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 ITS 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 ORDINANCES, THE LANDLORD'S TENANT DESIGN CRITERIA, THE LANDLORD'S CONSTRUCTION RULES AND REGULATIONS, ESSILOR LUXOTTICA STANDARD SPECIFICATIONS, ESSILOR LUXOTTICA'S STANDARD CONSTRUCTION CRITERIA 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. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM.

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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 ARCHITECTS APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.

1A-SGH-G001-REV00

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 DIVISION 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.

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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

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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

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5 SCOPE OF WORK

- NEW FLOOR, WALL FINISHES AT RETAIL.
- NEW LIGHTING FIXTURES AT RETAIL.
- NEW FLOORING AND PAINT AT BOH
- NEW ACCESSORIES AT RESTROOM
- NEW RETAIL RACK, SECURITY CAMERAS, TRAFFIC COUNTER, SOUND SYSTEM AND HVAC UNITS
- NEW BLADE SIGN.
- RECLADDING OF STOREFRONT AT BOTH SIDES OF ENTRY.

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6 JOB SITE ADDRESS

NAME	FREEHOLD RACEWAY MALL
STREET ADDRESS	3710 ROUTE 9 S, SUITE SPC F228
CITY, STATE, ZIP	FREEHOLD, NJ 07728
PHONE	732-409-3229

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7 JURISDICTION

DEPARTMENT	FREEHOLD TOWNSHIP BUILDING AND CONSTRUCTION
STREET ADDRESS	1 MUNICIPAL PLAZA
CITY, STATE, ZIP	FREEHOLD, NJ 077287
PHONE	732-294-2050

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8 LANDLORD'S ADDRESS

LANDLORD	THE MACERICH COMPANY
SR. TENANT COORD.	LISA KENNEDY
STREET ADDRESS	401 WILSHIRE BLVD, SUITE 700
CITY, STATE, ZIP	SANTA MONICA, CA 90401
PHONE	(582) 249-4462
EMAIL	LISA.KENNEDY@MACERICH.COM

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9 DEFERRED SUBMITTALS

1. SPRINKLER
2. FIRE ALARM

9-SGH-G001-REV00

10 CODE INFORMATION

CONSTRUCTION TYPE:	II-B, SPRINKLED
EXISTING OCCUPANCY:	M (MERCANTILE)
PROPOSED OCCUPANCY:	M (MERCANTILE)
BUILDING:	2021 INTERNATIONAL BUILDING CODE 2021 INTERNATIONAL EXISTING BUILDING CODE NEW JERSEY ADMINISTRATIVE CODES (NJAC) RELATED STATUTES ANNOTATED (NJSA)
MECHANICAL:	2021 INTERNATIONAL MECHANICAL CODE
FIRE:	2018 INTERNATIONAL FIRE CODE
PLUMBING:	2021 NATIONAL STANDARD PLUMBING CODE
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NFPA 70)
ENERGY:	2021 INTERNATIONAL ENERGY CONSERVATION CODE (ASHRAE 90.1-2019)
ACCESSIBILITY CODE:	2017 ICC A117.1 BARRIER FREE SUBCODE (CHAPTER 11 OF IBC/2021 & NJAC 5:23-7) ICC A117.1-2017

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

OCCUPANT LOAD: TABLE 1004.5 GROSS LEASE AREA 1009 SQ. FT.

RETAIL STORE	AREA	OCCUPANCY
RETAIL	761 SQ. FT.	SQ. FT / 60 PERSON = 13
EMPLOYEE RESTROOM	69 SQ. FT.	SQ. FT / 0 PERSON = 0
B.O.H.	179 SQ. FT.	SQ. FT / 300 PERSON = 1
	1009 TOTAL SQ. FT.	TOTAL OCCUPANT LOAD: 14

IEBC 2021
SECTION 602 - ALTERATION LEVEL 1

602.1. SCOPE
Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment or fixtures using new materials, elements, equipment or fixtures that serve the same purpose

602.2 APPLICATION
Level 1 alterations shall comply with the provisions of Chapter 7

EGRESS WIDTH PER OCCUPANT: 0.15 INCHES PER PERSON
1.) 1005.3.2 EGRESS COMPONENTS SPRINKLERED
0.15 INCHES PER OCCUPANT x 14 OCCUPANTS = 2.1 INCHES (REQUIRED)
2.) ACTUAL WIDTH PROVIDED:
THROUGH ENTRY (1) PAIR 3'-0" DOORS = 68" CLEAR

1006.3.3 SINGLE EXITS
A SINGLE EXIT OR ACCESS TO A SINGLE EXIT SHALL BE PERMITTED FROM ANY STORY WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:
1. THE OCCUPANT LOAD AND COMMON PATH OF EGRESS TRAVEL DISTANCE DO NOT EXCEED THE VALUES IN TABLE 1006.3.3(1) OR 1006.3.3(2).

TABLE 1006.3.3(2) STORIES WITH ONE EXIT
MAX OCCUPANT LOAD PER STORY: 49 ACTUAL: 14
MAX COMMON PATH OF TRAVEL: 75 FT ACTUAL: 54 FT

402.8.3 NUMBER OF MEANS OF EGRESS
TWO EXITS ARE REQUIRED WHEN THE DISTANCE OF TRAVEL IS GREATER THAN 75 FT OR THE OCCUPANT LOAD IS 50 PEOPLE OR MORE
MAX DISTANCE OF TRAVEL: 54 FT
OCCUPANT LOAD: 14 PEOPLE
1 EXIT REQUIRED

SECTION 1018.3 AISLES IN GROUP M & TABLE 1020.3.
44" MIN CLEAR AISLE WIDTH (UNLESS UNDER 50 OCCUPANTS, THEN 36")

1024.2 EXIT PASSAGEWAY WIDTH:
44" MIN. WIDTH SERVING AN OCCUPANT LOAD OF 50 OR MORE
36" MIN. WIDTH SERVING AN OCCUPANT LOAD OF LESS THAN 50.

PLUMBING FIXTURES: 14 OCCUPANTS TOTAL (7 OCCS MEN / 7 OCCS WOMEN)

WATER CLOSETS	REQUIRED: 1 (MERCANTILE): 1 PER 500 OCCUPANTS PROVIDED: 1
LAVATORIES	REQUIRED: 1 (MERCANTILE): 1 PER 750 OCCUPANTS PROVIDED: 1
DRINKING FOUNTAIN	REQUIRED: 0 (MERCANTILE): 1 PER 100-1000 PROVIDED: 0

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11 LANDLORD NOTES

1. ---

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12 LONG LEAD ITEMS

ITEMS BELOW ARE KNOWN LONG LEAD ITEMS. GC TO COORDINATE ORDERING AT THE TIME OF AWARD TO AVOID DELAYS:

1. RIOT GLASS
2. ELECTRICAL GEAR, FLOOR BOXES AND PANELS
3. LUTRON COLOR MATCH ELECTRICAL DEVICES/COVER PLATES
4. IT RACK (ANIXTER)
5. LINEAR DIFFUSERS
6. BRONZE MIRROR (MIR-02)
7. METAL WALL BASE
8. FIXTURE BULB FOR WALL SCONCE FIXTURE 00110-00

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13 DRAWING INDEX

SHEET	TITLE	ACTIVE REVISION #
ARCHITECTURAL		
G001	GENERAL INFORMATION / COVER SHEET	-
G002	RESPONSIBILITY SCHEDULE & TYPICAL INFO	-
G003	SPECIFICATIONS 1 OF 3	-
G004	SPECIFICATIONS 2 OF 3	-
G005	SPECIFICATIONS 3 OF 3	-
G010	DOOR AND HARDWARE SCHEDULE	-
G020	SCHEDULES	-
LS100	LIFE SAFETY PLAN	-
AD101	DEMOLITION PLAN	-
A100	FIXTURE FLOOR PLAN	-
A101	CONSTRUCTION FLOOR PLAN	-
A102	REFLECTED CEILING PLAN	-
A103	FINISH PLAN	-
A200	INTERIOR ELEVATIONS	-
A300	STOREFRONT PLAN, ELEVATIONS & SECTION	-
A410	SECTIONS & DETAILS	-
A430	LIGHTBOX SECTIONS & DETAILS	-
A440	CEILING DETAILS	-
A900	RENDERINGS	-
		-
		-
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MECHANICAL, ELECTRICAL		
M001	MECHANICAL GENERAL NOTES & SCHEDULES	-
M002	MECHANICAL SCHEDULES	-
M100	HVAC DEMOLITION PLAN	-
M200	HVAC CONSTRUCTION MECHANICAL PLAN	-
E001	ELECTRICAL GENERAL NOTES & DETAILS	-
E002	ELECTRICAL GENERAL NOTES & DETAILS	-
E003	ELECTRICAL GENERAL NOTES & DETAILS	-
E004	ELECTRICAL DETAILS	-
E100	ELECTRICAL DEMOLITION PLAN	-
E200	ELECTRICAL LIGHTING PLAN	-
E201	ELECTRICAL POWER / SYSTEMS PLAN	-
E202	ELECTRICAL DIMENSION PLAN	-
		-
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13-SGH-G001-REV02

14 PROJECT DIRECTORY

NOTE: ANY QUESTIONS REGARDING THESE CONSTRUCTION DOCUMENTS SHOULD BE DIRECTED TO THE PROJECT MANAGER FOR APPROPRIATE DIRECTION OF COMMUNICATION.

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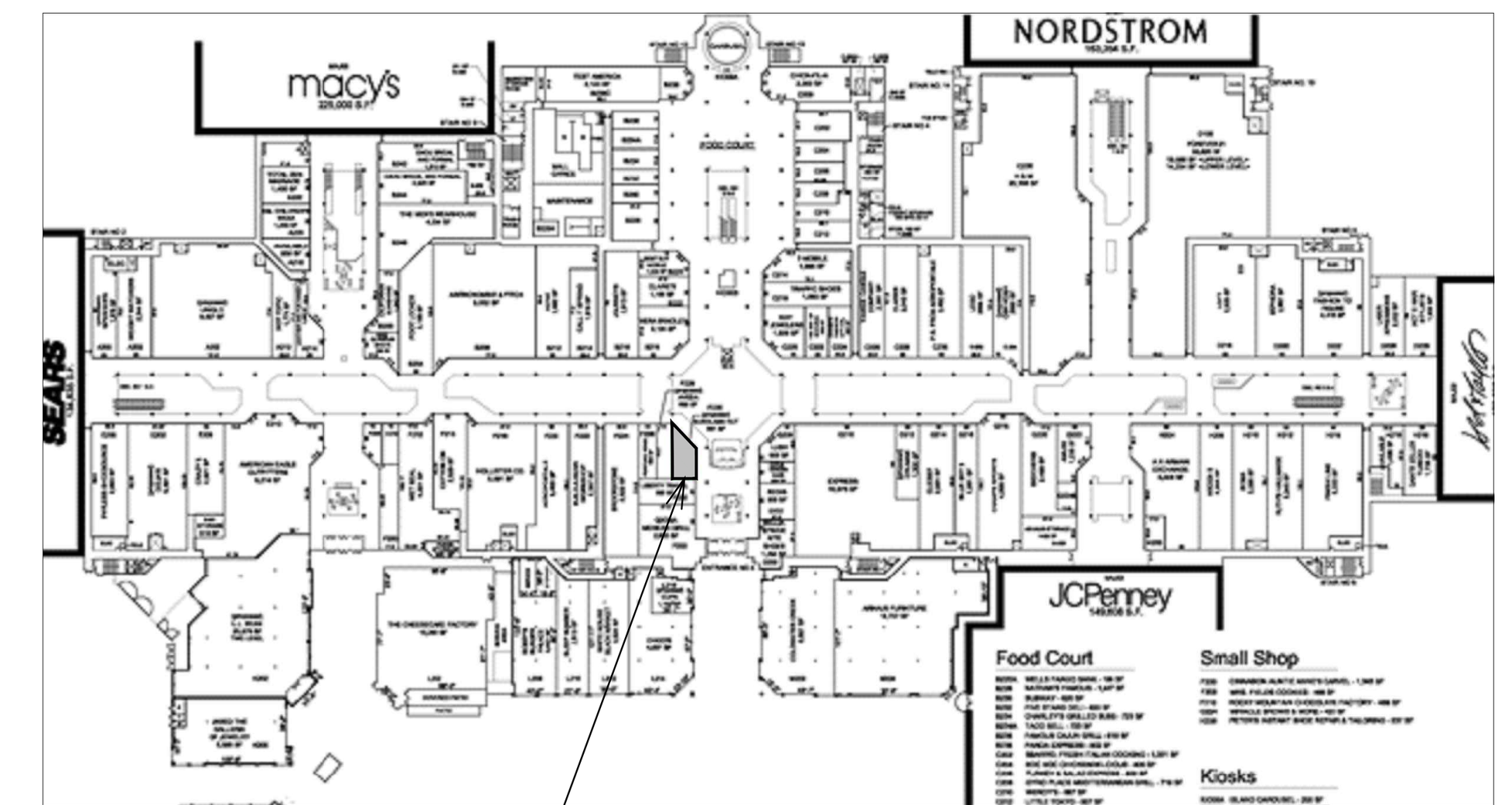
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14-SGH-G001-REV03

15 KEY PLAN

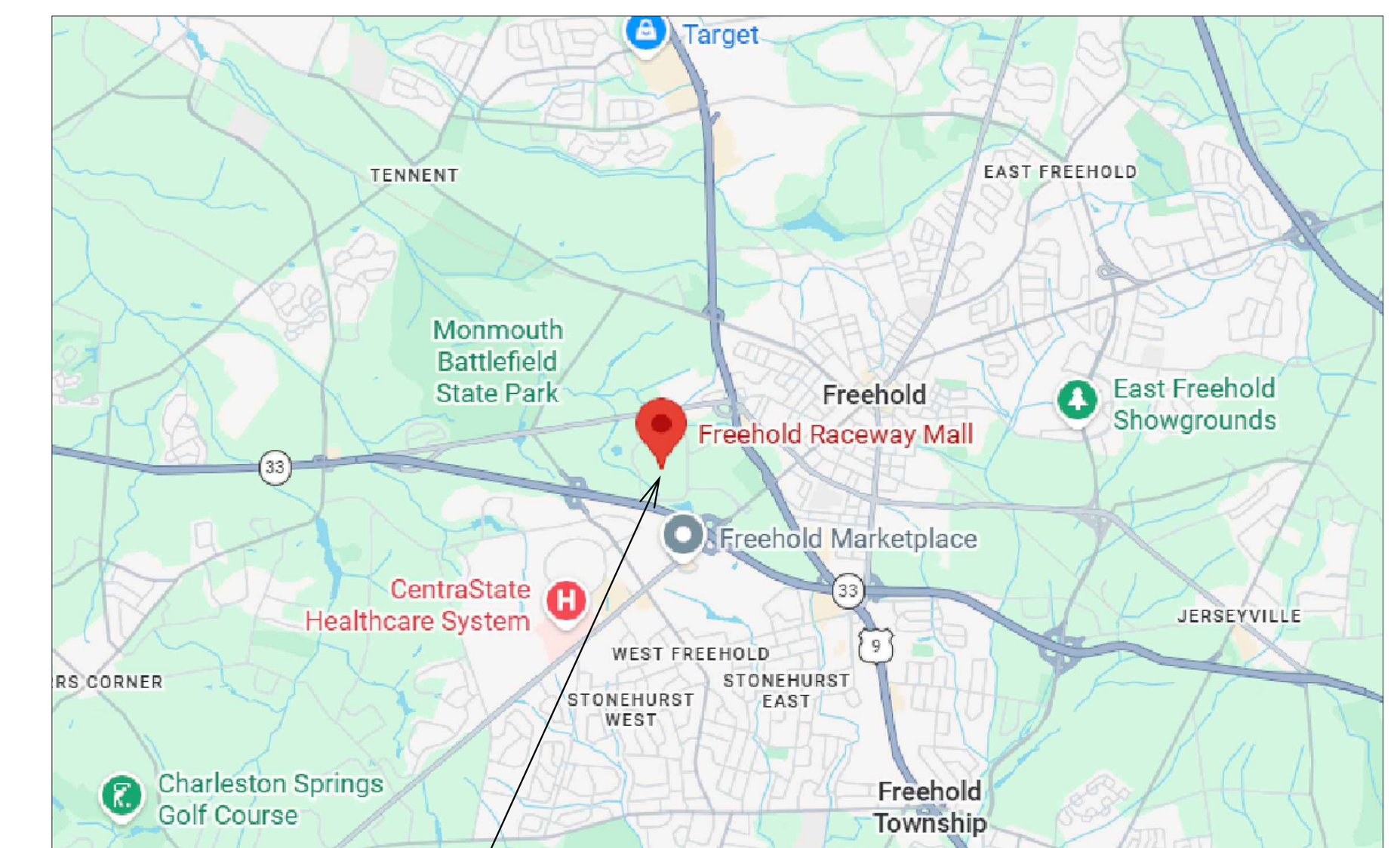


PROJECT LOCATION:
SUNGLASS HUT
SPACE NUMBER F228
AREA: 1009 S.F.
LEVEL 2 OF 2

NORTH

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16 VICINITY PLAN



SUNGLASS HUT
FREEHOLD RACEWAY MALL
FREEHOLD, NJ

NORTH

16-SGH-G001-REV00

Drawings for:

sunglass hut

A Brand of Essilor Luxottica

FREEHOLD RACEWAY MALL
FREEHOLD, NJ

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 100% OWNER REVIEW	
△	08/17/2026 100% CDs	
△		
△		
△		
△		
△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number: 102671

Brand Design Type: SGHBX

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

Sheet Name: GENERAL INFORMATION / COVER SHEET

Date: 08/03/2026
Drawn By: AA
Checked By: JM
Sheet No.: G001

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

DIVISION 01000 - GENERAL	SUPL	RCV.	INSTL	EXIS	P & R	RELO	REMARKS
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.
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				COORDINATE WITH LANDLORD.
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	●			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
METAL FABRICATIONS							N/A
METAL STAIRS							N/A
ORNAMENTAL HANDRAILS AND RAILINGS							N/A
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 5/A103 GENERAL WATERPROOFING NOTE.
MOISTURE TEST	GC	GC	GC				SEE SHEET A103 FOR MORE INFORMATION
SPRAYED FIRE RESISTIVE MATERIALS	GC	GC	GC				PATCHING OF EXISTING. SEE DEMOLITION DRAWINGS.
DIVISION 08000 DOORS & WINDOWS	SUPL	RCV.	INSTL	EXIS	P & R	RELO	REMARKS
DOORS, FRAMES, HARDWARE	GC	GC	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				
STOREFRONT GLAZING (GL-40)	GC	GC	GC				
STOREFRONT SWINGING DOORS AND HARDWARE	GC	GC	GC				
SECURITY FILM (GP-2)	GC	GC	GC				RECOMMENDED SUPPLIER & INSTALLER: QMI SECURITY SOLUTIONS. INTERIOR SIDE OF GLAZING APPLICATION
GLAZING FILM - LIFESTYLE GRAPHIC (GF-5)	*	*	*				*SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS
MIRRORS (MIR-01, MIR-02 & MIR-03)	*	*	*				*SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS
RIOT GLASS (GP-01)	*	*	*				*SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS. USE VENDOR QMI - SEE G001 FOR CONTACT INFORMATION
INTERIOR GLAZING CHANNELS & GLASS	GC	GC	GC				
CUSTOM STOREFRONT DOOR PULLS	T	GC	GC				
DIVISION 09000 - FINISHES	SUPL	RCV.	INSTL	EXIS	P & R	RELO	REMARKS
DEMISING PARTITIONS (STUDS & INSULATION)	GC	GC	GC	●			SEE PLANS FOR SCOPE OF WORK.
DEMISING PARTITIONS (GYPSUM WALLBOARD)	GC	GC	GC	●			SEE PLANS FOR SCOPE OF WORK.
DRYWALL: CEILING, WALLS, ENCLOSURES & REC'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-9 *OR* AC-10)	*	*	*				*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
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 '7' FOR GROUT TOLERANCE
WALK-OFF MAT (WM-50 & WM-52)	*	*	*				*SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS
WALL BASE	*	*	*				*SEE SHEET G020 FOR GC VS TENANT SUPPLIED ITEMS
FIBERGLASS REINFORCED PANELS (FRP-40)	*	*	*				*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				
WOOD PANELING (WSP-190)	*	*	*				GC TO CUT AS NEEDED FOR INSTALL. *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 (SGH-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				G.C. TO COORDINATE AWNING INSTALLATION. GC RESPONSIBLE FOR ANY PRE-CONSTRUCTION REQUIRED FOR INSTALLATION.
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	GC				GC RESPONSIBLE FOR ANY PRE-CONSTRUCTION REQUIRED FOR MONITOR INSTALLATION.
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 (EMPLOYEE AREA)	T/GC	GC	GC				SEE SHEET A100 FOR GC PROVIDED FURNITURE
POS EQUIPMENT	T	GC	T				G.C. TO COORDINATE TIMING FOR SCHEDULING
MERCHANDISE PROPS	T	GC	T				
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
REFRIGERATOR & MICROWAVE	T	GC	GC				
SAFE	T	GC	GC				G.C. TO BOLT TO FLOOR PER MANUFACTURER

1-SGH-G002-REV01

2 MECHANICAL, ELECTRICAL, PLUMBING, RESPONSIBILITY SCHEDULE

SEE RELATED SHEETS PER TRADE

2-SGH-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.

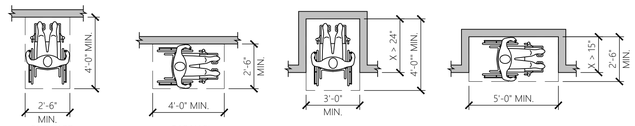
3-SGH-G002-REV00

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-SGH-G002-REV01

5 ACCESSIBILITY DETAILS



WHEELCHAIR CLEAR FLOOR SPACE

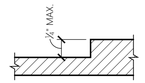
ICC 117.1 - SECTION 303 NOTES

303.1 GENERAL - CHANGES IN LEVEL IN FLOOR SURFACES SHALL COMPLY WITH SECTION 303.

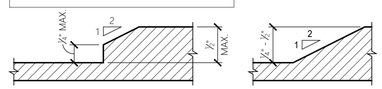
303.2 VERTICAL - CHANGES IN LEVEL OF ¼" MAXIMUM IN HEIGHT SHALL BE PERMITTED TO BE VERTICAL.

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 ¼" IN HEIGHT SHALL BE RAMPED AND SHALL COMPLY WITH SECTION 405 & 406.



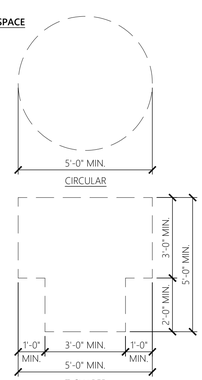
CARPET ON FLOOR SURFACES



BEVELED CHANGES IN LEVEL

CHANGES IN LEVEL

TURNING SPACE



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.

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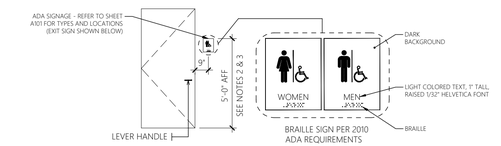
6 SYMBOLS

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
MATERIAL (REFER TO SCHEDULE) / T T102 / FINISH (REFER TO SCHEDULE)	FINISH

SYMBOL	DESCRIPTION
-	ROOM NUMBER
-	DOOR
-	WALL TYPE
-	KEY NOTE
-	REVISION

6-SGH-G002-REV00

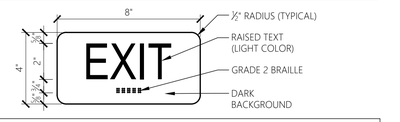
7 ACCESSIBILITY SIGNAGE



TYPICAL ADA MOUNTING LOCATION

NOTES, ICC A117.1 - SECTION 703 SIGNS:

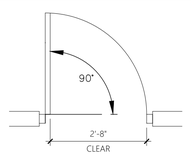
1. ALL SIGNAGE SHALL CONFORM WITH ADA ACCESSIBILITY GUIDELINES, INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 BRAILLE REQUIREMENTS.
2. INSTALL WALL-MOUNTED SIGNS 48 INCHES MINIMUM ABOVE THE FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER 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.

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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.

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DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
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+1 212.302.1200

STORE 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026	100% OWNER REVIEW
△	08/17/2026	100% CDs
△		
△		
△		
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

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

Sheet Name: RESPONSIBILITY SCHEDULE & TYPICAL INFO

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

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.
   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
1. 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. 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 ANIY 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
A. 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. 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
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Construction for:
sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026	100% OWNER REVIEW
△	08/17/2026	100% CDs
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Architect / Engineer of Record
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NOT FOR BID OR CONSTRUCTION

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EssilorLuxottica DD Set Layout No.: 5
EssilorLuxottica Project Number: 102671
Brand Design Type: SGHBX

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

Sheet Name: SPECIFICATIONS 1 OF 3

Date: 08/03/2026
Drawn By: A.A.
Checked By: J. M.
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.

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.

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A Brand of EssilorLuxottica

Revisions:

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Architect / Engineer of Record

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Sheet Name: SPECIFICATIONS 2 OF 3

Date: 08/03/2026
Drawn By: A.A.
Checked By: J. M.

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 VINYL RESILIENT TILES, AS SHOWN AND SPECIFIED ON THE DRAWINGS.
B. INSTALL 4" HIGH X 1/8" THICK, TOP SET, COVED VINYL BASE, AT WALLS SPECIFIED ON DRAWINGS.
C. 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.

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

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Architect / Engineer of Record

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Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

☐ 100% PRELIM ☐ CONSTRUCTION
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Sheet Name: SPECIFICATIONS 3 OF 3

Date 08/03/2026
Drawn By A.A.
Checked By J. M.

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 #	LOCATION	DOORS				HARD WARE	DOOR STOP	JAMB/HEADER				HAND	RATING	CUSTOM	REMARKS
			MATERIAL	FINISH	SIZE WIDTH x HEIGHT x THICK	ROUGH OPENING WIDTH x HEIGHT x THICK			TYPE	MAT'L	FINISH	LEVERSET				
101	181	EXTERIOR STOREFRONT ENTRY	ETR ALUM / GLASS	EXISTING TO REMAIN	EXISTING	EXISTING	ETR	ETR	ETR	EXISTING ALUMINUM	EXIST TO REMAIN	EXISTING	N/A	NONE	N/A	
102	402	RETAIL SALES/BOH	WOOD	P-64 / P-53	3'-0" X 8'-0" X 2-1/4"	3' 1-3/4" X 8'-1" x 4-7/8"	F	HS	C,D/G010	-	P-64	CLASSROOM	LH	NONE	N/A	DOOR FINISH TO MATCH ADJACENT WALL
103	401	TOILET ROOM	EXISTING WOOD	EXISTING	EXISTING	EXISTING	ETR	ETR	ETR	EXISTING	EXISTING	EXISTING	LHR	NONE	N/A	

1-SGH-G010-REV01

LEVERSETS

CLASSROOM HANDLE: LAWRENCE -8705-119 LOGAN

PRIVACY HANDLE: LAWRENCE -8722-119 LOGAN

PASSAGE HANDLE: LAWRENCE -8701-119 LOGAN

LEVERSETS: SGH-G010-REV01

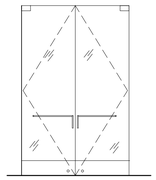
DOOR STOPS

FS: IVES-FS436-438 - US26D
WS: IVES-WS406-407 - CCV - US26D
HS: GRAINGER-1XNK6 - CHROME

DOOR STOPS: SGH-G010-REV02

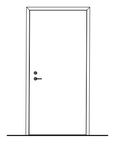
2 DOOR TYPES

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



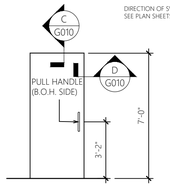
401

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



402

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



2-SGH-G010-REV02

3 HARDWARE

HARDWARE SET 'F' (DOOR 402)

- DOOR MATERIAL - STAIN GRADE SOLID CORE - UNFINISHED ROTARY NATURAL BIRCH
- FRAME MATERIAL - EZCONCEPT 888-399-5262
- HINGES - CONCEALED PER EZCONCEPT (QTY. PER DOOR MFG. PER HEIGHT & WEIGHT)

REMARKS
- SEE PLAN FOR DIRECTION OF SWING.

3-SGH-G010-REV03

4 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.

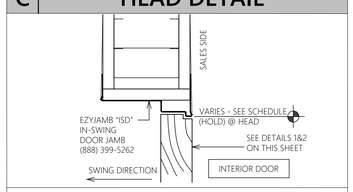
7. DOOR CLOSURES, IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN. (75 MM) FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.

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.

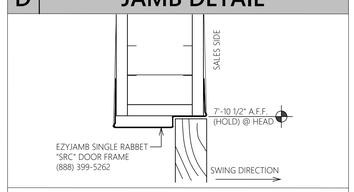
COMPLIANCE NOTE-SGH-G010-REV02

C HEAD DETAIL



C-SGH-G010-REV00

D JAMB DETAIL



D-SGH-G010-REV00

DESIGN & CONSTRUCTION MANAGEMENT:

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Construction for:

sunglass hut
A Brand of EssilorLuxottica

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Sheet Name: DOOR AND HARDWARE SCHEDULE

Date: 08/03/2026
Drawn By: A.A.
Checked By: J.M.

Sheet No.: G010

2 SGH06 - ACCESSORY SCHEDULE

CODE	ITEM	DESCRIPTION	ROOM	REMARKS	SUPPLIED	RECEIVED	INSTALLED
SGH06-HOOK	COAT HOOK ROUND WALL-MOUNTED HOOKS	VENDOR: NA ARTICLE #: 3042090; VENDOR PART #: 3524806 FINISH: MATTE STAINLESS STEEL	BOH/BREAK AREA (4) RESTROOM (2)	• INSTALL @ 48" A.F.F. & @ 72" A.F.F. • ROUND HOOK ONLY (INSTALL WITHOUT PROVIDED BACKPLATE) • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
SGH06-SAFE	SAFE	MANUFACTURER: SENTRY ARTICLE #: 3041182 MODEL #: UC-039K	ONE PER STORE	• GC TO BOLT SAFE TO FLOOR • SIZE: 8"Wx10 3/4"Dx12"H	T	GC	GC
SGH06-TRASH1	FREE-STANDING TRASH CAN	VENDOR: ABCO ARTICLE #: 3042095, VENDOR PART #: AAMAB08SQTJS2X SIZE: 13 GALLON FINISH: STAINLESS STEEL	ONE PER ROOM: BOH/BREAK AREA RESTROOM	(1) PER BOH/BREAK AREA (1) PER RESTROOM	T	GC	GC
SGH-FRIDGE	REFRIGERATOR	VENDOR: ABCO ARTICLE #: 3041467 MODEL: AVANTI 3.3 CU BLACK RM3316B	BOH/BREAK AREA	(1) PER STORE	T	GC	GC
SGH-MICRO	MICROWAVE	VENDOR: ABCO ARTICLE #: 3041466 VENDOR PART #: LEN-MICROWAVE1	BOH/BREAK AREA	(1) PER STORE	T	GC	GC

'SGH' AND 'SGH06' PREFIX IS NOT REFLECTED ON PLAN.
SEE A210 FOR TOILET ROOM ACCESSORIES.

2-SGH06-G020-REV01

1 SGH 102671 - FINISH SCHEDULE

	ITEM	MARK	DESCRIPTION	MFG. / CONTACT		MODEL / COLOR	ALT.	REMARKS	SUPPLY	RECEIVED	INSTALLED
APPLIED FINISHES	PAINT	P-53	PAINT (WHITE)	BENJAMIN MOORE	866-708-9180	ULTRA SPEC® 500 INTERIOR LATEX COLOR: PM-1 SUPER WHITE	NONE	WALL SHEEN: EGGSHELL CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-56	ACRYLIC PAINT (DARK BEIGE)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC PAINT COLOR: AF - 95 HUSH	NONE		GC	GC	GC
	PAINT	P-57	PAINT (BEIGE)	BENJAMIN MOORE	866-708-9180	ULTRA SPEC® 500 INTERIOR LATEX COLOR: PEBBLE ROCK 945	NONE	WALL SHEEN: EGGSHELL CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-64	ACRYLIC PAINT (BROWN)	BENJAMIN MOORE	866-708-9180	ULTRA SPEC® 500 INTERIOR LATEX COLOR: TOPEKA TAUPE 1463	NONE	WALL SHEEN: EGGSHELL CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-501	PAINT (BLACK)	BENJAMIN MOORE	866-708-9180	ULTRA SPEC® 500 INTERIOR LATEX COLOR: BLACK PM-9	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT TRIM SHEEN: SEMI-GLOSS SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING	GC	GC	GC
BASE	VINYL WALL BASE	VB-40	4" H - VINYL BASE	JOHNSONITE	CDC DISTRIBUTORS (513) 560-1040	TRADITIONAL, COILED COLOR: 38-PEWTER	NONE		GC	GC	GC
	METAL WALL BASE	MWB-53	1/8" x 1" METAL WALL BASE FINISH: POLISHED STAINLESS STEEL	N/A: GC OBTAINED METAL WALL BASE, SEE REMARKS	-	1/8" x 1"H (25MM) METAL WALL BASE FINISH: POLISHED STAINLESS STEEL	NONE	SEE DETAIL: 6/A410 (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
FLOORING	TILE FLOOR	TF-195a	PORCELAIN FLOOR TILE (.6CM X 60CM X 60CM, .24" X 23.625" X 23.625")	IRIS FMG, EU STONE PEAK (TRANSCERAMICA, NA)	NOREEN SCHERTLER (312-342-4689) nschertler@transceramica.com	MARMI, MAXFINE - CUSTOM BLACK MARQUINIA FINISH: SILKY (HONED)	NONE	GROUT (BY GC): 1/8" JOINT; LATICRETE SPECTRALOCK PRO PREMIUM, 45 RAVEN (REQ'S 7 DAYS OF PROTECTION)	T	GC	GC
	TILE FLOOR	TF-196a	PORCELAIN FLOOR TILE (.6CM X 60CM X 60CM, .24" X 23.625" X 23.625")	IRIS FMG, EU STONE PEAK (TRANSCERAMICA, NA)	NOREEN SCHERTLER (312-342-4689) nschertler@transceramica.com	MARMI, MAXFINE - CUSTOM CALACATTA ORO FINISH: SILKY (HONED)	NONE	GROUT (BY GC): 1/8" JOINT; LATICRETE SPECTRALOCK PRO PREMIUM, 90 LIGHT PEWTER (REQ'S 7 DAYS OF PROTECTION) **IF THIS TILE IS USED IN CONJUNCTION WITH BLACK TILES (TF-195a, TF-195b, TF-195c, TF-195d) THEN 45 RAVEN GROUT IS USED THROUGHOUT**	T	GC	GC
	VINYL FLOOR TILE	VFT-61	LUXURY VINYL TILE (1/8" x 18"x36")	MANNINGTON COMMERCIAL	800-241-2262 KEVIN.OBRYAN@MANNINGTON.COM	THE DRIFT STONE COLLECTION - COLOR: TERRA GRAPHITE D216 TILE PATTERN: STRAIGHT (STACK BOND)	NONE	SCRUB AND SEAL VINYL FLOORING SUBSEQUENT TO INSTALLATION. REFER TO MANUFACTURER'S SPECS. *SEE FLOORING NOTE BELOW*	T	GC	GC
TRANSITION	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 STRIP	TS-9	TRANSITION STRIP (HARD TILE TO VINYL)	SCHLUTER	888-472-4588	SCHLUTER®-RENO-U, STAINLESS STEEL	NONE		GC	GC	GC
GLAZING	MIRROR	MIR-02	MIRROR (BRONZE)	INTERGLASS	305-885-4442	INTERGLASS, M-6B84130-C	SEE REMARK	ALTERNATE MIRROR MATERIAL: SAME SUPPLIER AS SITU-GROUP	GC	GC	GC
METAL	STOREFRONT	MF-51	METAL PANEL (BLACK)	PRISMATICPOWDERS.COM	866-774-7628	18 GA. BRAKE METAL W/ APPLIED PRISMATIC POWDER COAT: BLACK JACK (FLAT) USS-1522	NONE	GC RESPONSIBLE FOR NEW AND/OR REFURBISH OF CONSTRUCTION FOR STOREFRONT VENDOR TO APPLY FINISHES.	GC	GC	GC
	STOREFRONT	MF-62	METAL PANEL (BRONZE)	PRISMATICPOWDERS.COM	866-774-7628	18 GA. BRAKE METAL W/ APPLIED PRISMATIC POWDER COAT: TRIPLE BRONZE UMB-454	NONE	GC RESPONSIBLE FOR NEW AND/OR REFURBISH OF CONSTRUCTION FOR STOREFRONT VENDOR TO APPLY FINISHES.	GC	GC	GC
MISC.											

INPUT APPLICABLE TITLE

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Sheet Name:
SCHEDULES

Date 08/03/2026
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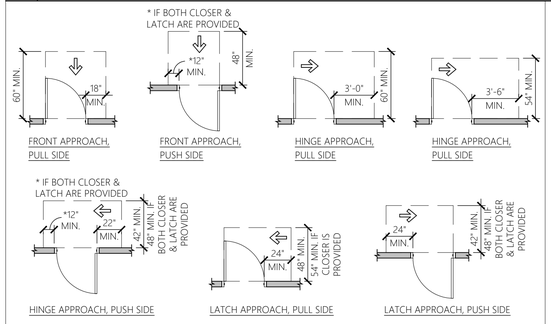
4 LIFE SAFETY NOTES

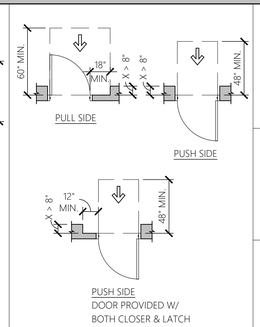
1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS AT LOCATIONS SHOWN ON THE FLOOR PLAN. EXIT SIGNS SHALL HAVE A MAXIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND.
2. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL- BE OF APPROVED SELF-LUMINOUS TYPE. IF 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. FIRE MARSHAL TO DETERMINE FINAL QUANTITIES AND LOCATION OF FIRE EXTINGUISHERS.

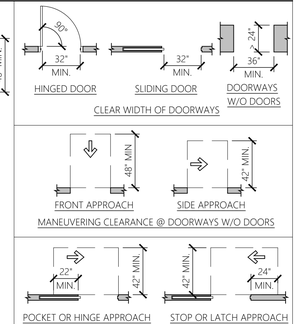
4-SGH-LS100-REV00

3 2009 ICC A117.1 ACCESSIBILITY MANEUVERING CLEARANCES

*SEE SHEET G002 FOR GENERAL ACCESSIBILITY INFORMATION







3-SGH-LS100-REV00

2 2018 IBC: SECTION 906 PORTABLE FIRE EXTINGUISHERS

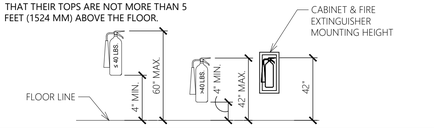
[F] TABLE 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS.
MINIMUM RATED SINGLE FIRE EXTINGUISHER - SEE TABLE
MAXIMUM FLOOR AREAS - SEE TABLE
MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75'-0"

[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).



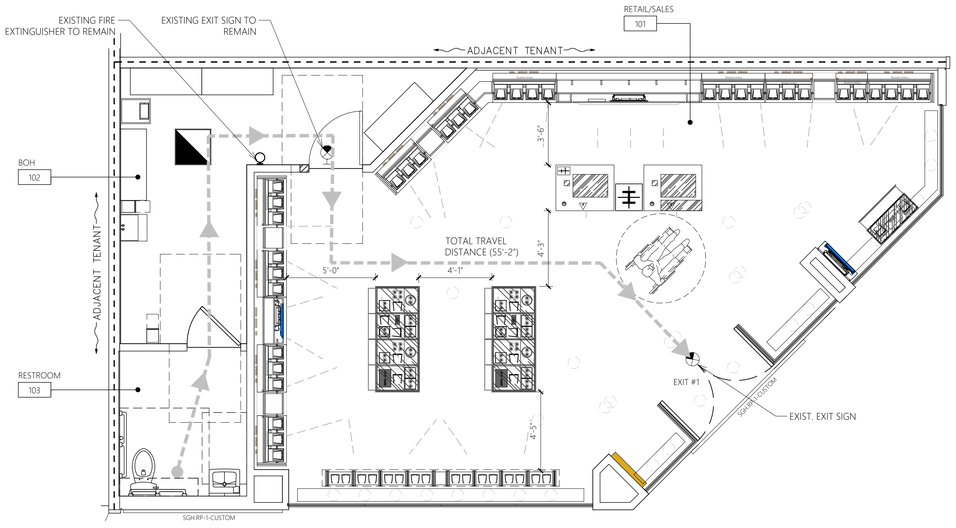
2-SGH-LS100-REV00

1 LEGEND

PATH/ DIRECTION OF EGRESS

1 HOUR RATED WALL

5-SGH-LS100-REV00



LIFE SAFETY PLAN

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

NORTH

5 LEGEND

PATH/ DIRECTION OF EGRESS

1 HOUR RATED WALL

2 HOUR RATED WALL

5-SGH-LS100-REV00

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Sheet Name:
LIFE SAFETY PLAN

Date 08/03/2026
Drawn By A.A.
Checked By J.M.
Sheet No.: LS100

3 DEMOLITION PLAN LEGEND

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

3-SGH-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-SGH-AD101-REV00

5 BOSTON BARRICADE CONTACT

DOUG GUERRA
GENERAL MANAGER
BOSTON BARRICADE NY LOCAL TEAM
DIRECT: 772-257-7330
DGUERRA@BOSTONRS.COM

5-SGH-AD101-REV01

2 DEMOLITION PLAN - 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".
3. EXISTING SIGN TO REMAIN.
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 PERIMETER WALLS TO REMAIN. PROTECT IN PLACE AND KEEP INTACT. ANY EXISTING FIRE RATINGS. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.
6. EXISTING TOILET ROOM FLOOR DRAIN, PLUMBING FIXTURES AND FINISHES TO REMAIN. EXISTING ACCESSORIES TO BE REMOVED. TOILET ROOM FLOORING AND BASE TO REMAIN. PATCH AND REPAIR, IN KIND, AS NEEDED FOR LIKE NEW CONDITION.
7. EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED.
8. REMOVE EXISTING CASHWRAP, FLOOR CASEWORK, FURNITURE, AND ASSOCIATED ELECTRICAL & DATA HOOK-UP , REMOVE WIRING AND CONDUCT BACK TO SOURCE.
9. EXISTING ELECTRICAL PANEL LOCATIONS. REFER TO ELECTRICAL SHEETS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.
10. EXISTING PARTITIONS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED.
11. EXISTING SAFE TO BE REMOVED.
12. EXISTING CEILING IN SALES TO REMAIN. REMOVE ALL EXISTING LIGHTING FIXTURES, SECURITY CAMERAS, SOUND SYSTEM ETC .
13. EXISTING MICRO WAVE AND FRIDGE TO BE REMOVED.
14. EXISTING CEILING & LIGHTING TO REMAIN IN BOH & RESTROOMS. REPLACE DAMAGED CEILING TILES AND RE-LAMP ALL EXISTING LIGHTING FIXTURES. SEE REFLECTED CEILING PLAN FOR EXISTING LIGHTING LAYOUT.
15. EXISTING CEILING TO REMAIN AT SALES. EXISTING LIGHTS TO BE REMOVED
16. EXISTING THERMOSTAT TO BE REMOVED. REFER TO MECHANICAL SHEETS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.
17. NOT USED.
18. NOT USED.
19. EXISTING TOILET ROOM DOOR TO REMAIN. SEE DOOR SCHEDULE.
20. OPEN UP EXISTING WALL 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.
21. NOT USED.
22. EXISTING COLUMN (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.
23. NOT USED.
24. EXISTING SHELF TO BE REMOVED.
25. EXISTING TECH RACK TO BE REMOVED
26. EXISTING SPRINKLERS TO REMAIN. COORDINATE WITH ARCHITECT IF ANY MODIFICATION IS REQUIRED. SEE CEILING PLAN FOR EXISTING SPRINKLERS LOCATION.

2-SGH-AD101-REV00

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. SEE MALL OPERATIONS MANAGER.

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

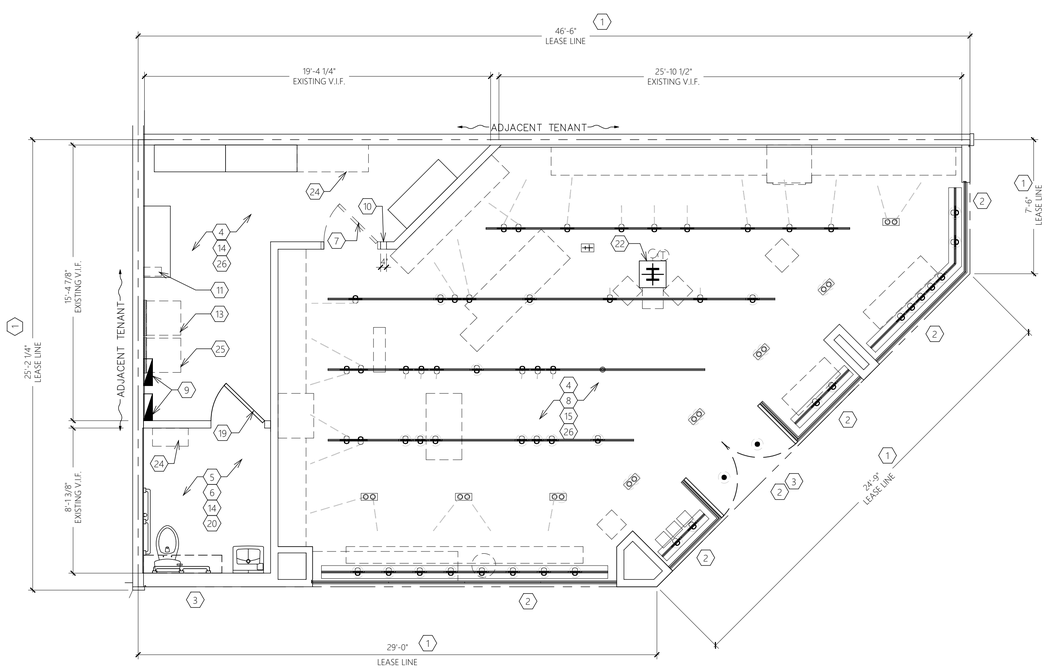
Q. PATCH EXISTING CONCRETE AS REQUIRED. INFILL EXISTING UNUSED CORE DRILL LOCATION USING CORE HOLE FILLING SYSTEM 'HOLE MOLE' OR EQUAL.

R. G.C. TO COORDINATE THE TENANT PROVIDE AND INSTALLED TEMPORARY WINDOW GRAPHICS TO ACT AS CONSTRUCTION BARRICADE. COORDINATE REQUIREMENTS WITH LANDLORD.

S. 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 OWNER'S REPRESENTATIVE UPON COMPLETION TO COORDINATE GRAPHIC'S 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-SGH-AD101-REV00



DEMOLITION 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 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 100% OWNER REVIEW	
△	08/17/2026 100% CDs	
△		
△		
△		
△		
△		
△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

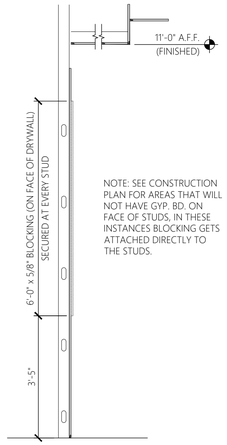
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☒ 100% FINAL	☐ ADDENDUM
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Sheet Name: DEMOLITION PLAN

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

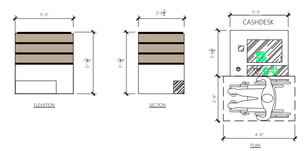
Sheet No.: AD101

B BLOCKING DETAIL



B-SGH-A100-REV0

A CASHWRAP (BX0604)



B-SGH-A100-REV00

TARGET FACINGS - PLATINUM / 800

BRAND	TARGET FACINGS	ACTUAL FACINGS
RAYBAN	150	188
SUN	700	618
TOTAL	850	806

MANUAL TAKEOFF ITEMS

CODE	DESCRIPTION	QTY	UOM
SGH-06850-01	HARDWARE KIT (1 REQUIRED PER STORE)	1	PCS
TBD	PROP KIT-LOGOS (1 REQUIRED PER STORE)	1	PCS

2 KEY NOTES

1. EXISTING SIGNAGE TO REMAIN
2. NOT USED.
3. END OF SURFACE MOUNTED BLOCKING TO BE CONCEALED WITH U-CHANNEL BY G.C. REFER TO DETAIL 19 & 20 ON A420 FOR MORE INFORMATION..
4. COAT HOOKS AT 48" AND 72" TO CENTERLINE OF HOOKS. SEE ELEVATIONS FOR LOCATION DIMENSIONS.
5. PROVIDE 3/4" F.R.T. PLY. BLOCKING ABOVE CEILING FOR FULL HEIGHT FREE STANDING FIXTURES TO ATTACH. INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES TO MINIMALLY COVER SIZE AS SHOWN. SEE SHEET A102 FOR SIZE AND LOCATIONS.
6. EXISTING FIRE EXTINGUISHERS TO REMAIN
7. EXISTING BOH SHELVING TO REMAIN.
8. G.C TO PROVIDE IN WALL BLOCKING FOR MONITOR/SHROUD SUPPORT. SEE INTERIOR ELEVATIONS.
9. FRAME WARMERS TO BE PLACED IN MIRROR CABINET. CABINET TO BE MODIFIED ONSITE BY MILLWORK INSTALLER. SEE ELECTRICAL PLANS FOR POWER REQUIREMENTS.
10. CONTRACTOR TO BOLT SAFE TO FLOOR. CHECK WITH SAFE MANUFACTURER FOR KIT OR BOLTING INSTRUCTIONS.
11. SURFACE MOUNTED BLOCKING IS REQUIRED FOR PERIMETER WALL FIXTURES. BLOCKING IS CONTINUOUS, SEE DETAIL 'B' ON THIS SHEET.
12. LIGHT BOX. SEE SHEET A402 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEET FOR REQUIRED ELECTRICAL INFORMATION.
13. NEW RESTROOM ACCESSORIES TO BE INSTALLED. ACCESSORIES INCLUDE TRASH CANS AND SOAP DISPENSER. SEE RESTROOM ELEVATIONS ON SHEET A200
14. ACCESSIBLE COUNTER TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES. SEE CORRESPONDING DETAILS 'A' ON THIS SHEET.
15. 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.
16. SURFACE MOUNTED FIXTURE (MONITORS IN A SHROUD). SEE SHEET A430 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
17. FREE STANDING FIXTURE SHELVES HAVE UNDER SHELVING LIGHTS. INSTALL ON RETAIL SALE SIDE.

2-SGH-A100-REV1

1 GENERAL NOTES

A. NEW STOREFRONT SIGNAGE 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.

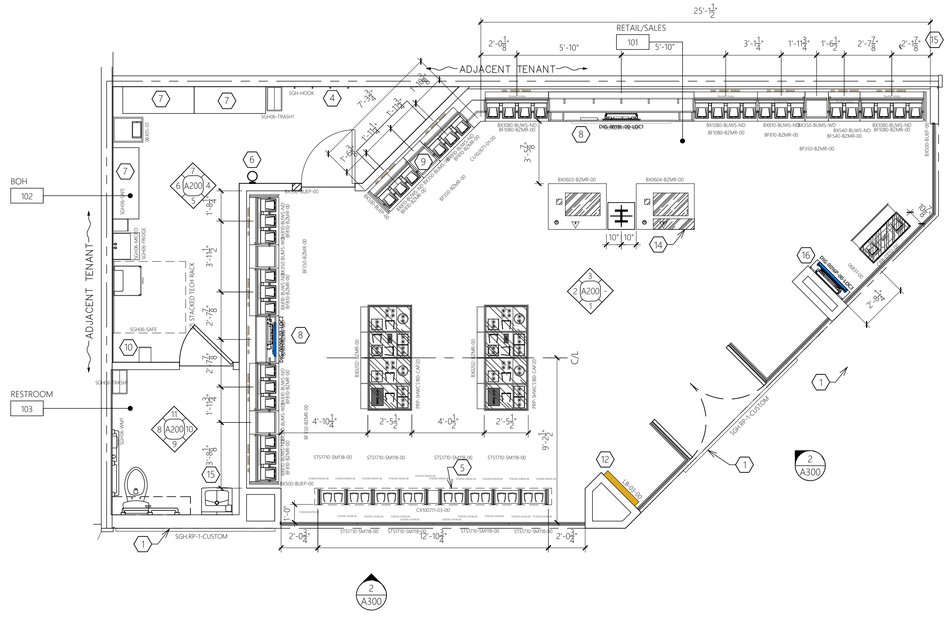
E. G.C. TO PROVIDE ADEQUATE BRACING, AS REQUIED, TO SUPPORT WALL CABINETS AND FIXTURES.

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-SGH-A100-REV0



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 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 100% OWNER REVIEW	
△	08/17/2026 100% CDs	
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△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

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

Sheet Name: FIXTURE FLOOR PLAN

Date 08/03/2026
Drawn By A.A.
Checked By J.M.
Sheet No.: A100

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-SGH-A101-REV00

2 KEY NOTES

1. LEASE LINE; G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.
2. EXISTING STOREFRONT GLAZING SYSTEM AND CHANNELS TO REMAIN.
3. NEW PARTITION EXTENSION. MATCH ADJACENT EXISTING WALL CONSTRUCTION
4. EDGE OF CEILING SOFFIT ABOVE, SEE REFLECTED CEILING PLAN A102.
5. PROVIDE 3/4" F.R.T. PLY. BLOCKING ABOVE CEILING FOR FULL HEIGHT FREE STANDING FIXTURES TO ATTACH. INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES TO MINIMALLY COVER SIZE AS SHOWN.
6. 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.
7. NOT USED
8. NOT USED.
9. ELECTRICAL DISTRIBUTION EQUIPMENT, REFER TO ELECTRICAL DRAWINGS. SEE SHEET A103 FOR FLOOR MARKING FOR REQUIRED CLEARANCE.
10. 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/A410.
11. SEE SHEET A100 FOR EXTENT OF BLOCKING NEEDED FOR FIXTURES.
12. NOT USED.
13. NOT USED.
14. EXISTING COLUMN TO REMAIN. G.C. TO BUILD OUT AND WRAP ALL FOUR SIDES WITH A MIRROR, SEE DETAIL xx/A410.
15. NOT USED.
16. NOT USED

2-SGH-A101-REV01

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.

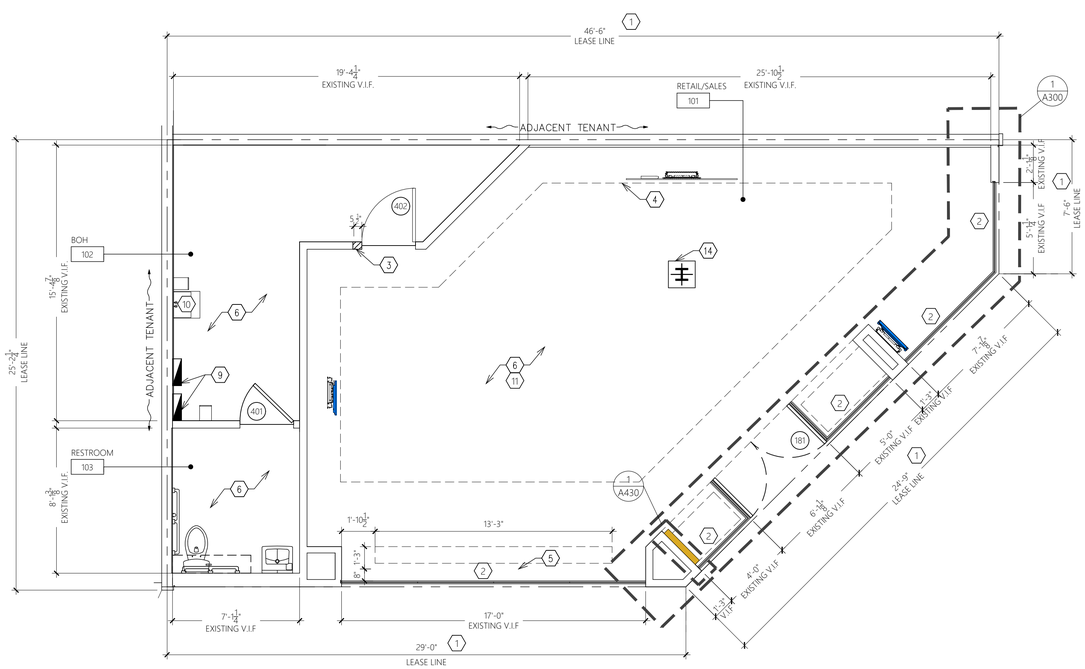
H. ANY QUESTIONS CONCERNING THESE SPECIFICATIONS SHALL BE DIRECTED TO THE ARCHITECT FOR DOCUMENT CLARIFICATION.

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.

1-SGH-A101-REV01



NORTH

CONSTRUCTION FLOOR PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

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Architect / Engineer of Record

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EssilorLuxottica DD Set Layout No.: 5

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Brand Design Type: SGHBX

ISSUED FOR:

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

Sheet Name: CONSTRUCTION FLOOR PLAN

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

Sheet No.: A101

A CEILING LEGEND

SYMBOL	TYPE	DESCRIPTION	SYMBOL	TYPE	DESCRIPTION	SYMBOL	TYPE	DESCRIPTION
	c1 h1 c2 h2 c3 h3	LINEAR LED LIGHT		X1RW	EXIT SIGN - EDGE LIT LED (SEE GENERAL NOTE 'B' FOR MOUNTING)			CEILING ACCESS PANEL. FINISH TO MATCH CEILING FINISH - SEE PLAN FOR SIZE
	e1 i1 e2 i2 e3 i3	TRACK LIGHT HEAD. COLOR TO MATCH TRACK.		T-SPK	TRACK MOUNT SPEAKER, COLOR TO MATCH TRACK		TC	TRAFFIC COUNTER (SHOPPER TRAK)
	m1 w1 m2 w2 m3 w3	RECESSED ADJUSTABLE 2-LIGHT DOWNLIGHT, RECTANGULAR, PAINTED TRIM TO MATCH CEILING.		C1	SECURITY CAMERA, PAINT ENTIRE ASSEMBLY TO MATCH CEILING EXCEPT FOR LENS SOURCE	Wi-Fi		WIFI - RECESS/FLUSH MOUNT PAINT COVER TO MATCH CEILING FINISH
	t#:LENGTH	SURFACE MTD. THREE CIRCUIT TRACK t# = TRACK COLOR BLACK LENGTH = LENGTH OF TRACK			CONCEALED HEAD, CUSTOM COLOR CAP TO MATCH CEILING FINISH PREFERRED LOCATIONS SHOWN ON PLAN			
	u#:LENGTH	PENDANT MTD. THREE CIRCUIT TRACK u# = TRACK COLOR BLACK LENGTH = LENGTH OF TRACK						
	p01	RECESSED 2X2 LAY-IN FIXTURE - SEE ELECTRICAL SHEETS			PENDANT HEAD			
		SUPPLY DIFFUSER PAINT TO MATCH CEILING FINISH			EXISTING CONCEALED PENDANT SPRINKER			
		RETURN DIFFUSER PAINT TO MATCH CEILING FINISH						

A-SGH-A102-REV01

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-SGH-A102-REV1

2 KEY NOTES ⟨#⟩

1. PROVIDE 3/4" F.R.T. PLY. BLOCKING ABOVE CEILING FOR FULL HEIGHT FREE STANDING FIXTURES TO ATTACH. INFILL GYP-1 GRID WITH PLYWOOD ABOVE FIXTURES TO MINIMALLY COVER SIZE AS SHOWN.
2. TRACKS SHIP WITH SPACERS. SPACERS ARE ONLY INSTALLEDON ACT CEILING. DO NOT INSTALL SPACERS ON A GYP. BD. CEILING.
3. EXISTING EXHAUST FAN LOCATED IN GYP-1 CEILING ARE TO BE PAINTED TO MATCH THE NEW CEILING PAINT. EXISTING DIFFUSERS LOCATED IN ACT ARE TO BE PAINTED TO MATCH THE NEW CEILING PAINT.
4. CEILING OUTLETS THAT FALL IN THE STOREFRONT SOFFIT AREA ARE TO BE ORDERED IN A BLACK FINISH TO MATCH (P-501) FOR BOTH OUTLET AND COVER PLATE.
5. EXISTING LIGHTING TO REMAIN. COORDINATE WITH ELECTRICAL.
6. NEW LIGHT IN EXISTING LOCATION. PATCH AND REPAIR CEILING WHERE NEW LIGHT FIXTURE IS SMALLER THAN EXISTING.
7. EXISTING EXIT SIGNS TO REMAIN. COORDINATE WITH ELECTRICAL.
8. EXISTING STOREFRONT SIGN, MOUNTED ON THE FACADE, TO REMAIN, SEE A300.
9. EXISTING GYP BD SOFFIT TO REMAIN.
10. EXISTING ACT CEILING TO REMAIN.
11. EXISTING GYP. BD. CEILING TO REMAIN.
12. EXISTING ACCESS PANEL TO REMAIN.
13. 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.
14. TRACK MOUNTED AUDIO SPEAKER SYSTEM INSTALLED BY TENANTVENDOR. G.C. TO COORDINATE WITH VENDOR.
15. INSTALL TRAFFIC COUNTER (SHOPPER TRAK). REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
16. 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.
17. RECESSED TRACK LIGHTS. REFER TO X/A410 FOR ACCESS DETAIL.

2-SGH-A102-REV01

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. 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.

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

D. 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 #17.

E. 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.

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

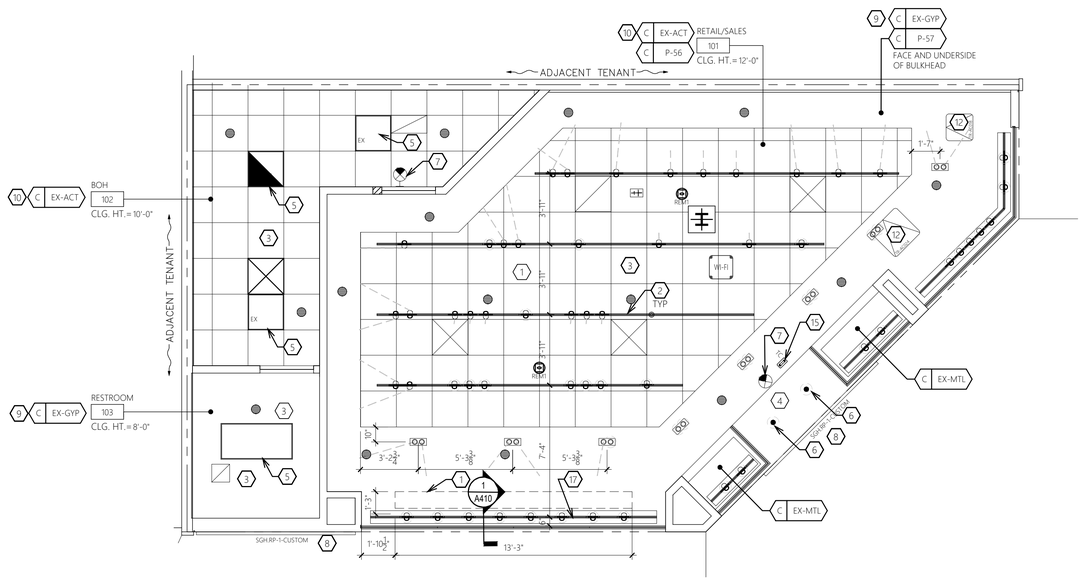
G. ADEQUATE ACCESS PANELS OR DOORS SHALL BE INCORPORATED INTO TENANT WORK FOR INSPECTION SERVICE AND REPLACEMENT OF BOTH LANDLORD AND TENANT EQUIPMENT, COORDINATE PLACEMENT WITH LANDLORD'S ON-SITE REPRESENTATIVE.

1-SGH-A102-REV1

QR CODE

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

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.



NORTH

REFLECTED CEILING PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

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SUITE: SPC F228
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Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

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EssilorLuxottica DD Set Layout No.:
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EssilorLuxottica Project Number 102671

Brand Design Type:
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Sheet Name:
REFLECTED CEILING PLAN

Date 08/03/2026
Drawn By A.A.
Checked By J.M.
Sheet No.: A102

5 FLOOR PENETRATIONS & WATERPROOFING

FLOOR PENETRATIONS:

WHERE FLOOR PENETRATIONS ARE OVER OPEN SPACE BELOW; FLOOR PENETRATIONS SHALL BE CORE-BORED, SLEEVED, SEALED, FIRE STOPPED, AND WATER PROOFED. ALL PIPING SLEEVES SHALL EXTEND A MIN. OF FOUR INCHES IN HEIGHT. PROVIDE TEMPORARY PROTECTION UNTIL CONSTRUCTION IS COMPLETE.

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 ROOM(S), MOP SINK AND DRINKING FOUNTAIN. 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 HUMIDITY LEVEL MEASUREMENT.

5-SGH-A103-REV01

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-SGH-A103-REV00

2 KEY NOTES

1. EXISTING STOREFRONT TO REMAIN. SEE STOREFRONT SHEET A300 FOR ADDITIONAL INFORMATION. EXISTING STOREFRONT TO REMAIN, RECLAD WITH MF-62 FINISH. SEE STOREFRONT SHEET A300 FOR ADDITIONAL INFORMATION.
2. START FULL TILE AT THIS LOCATION. CENTER FULL TILE ON CENTER OF DOOR.
3. 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.
4. PAINT INSIDE EDGE OF END PANEL P-501 BEFORE INSTALLATION OF SMART SHOPPER FIXTURE.
5. EXISTING PAINT TO REMAIN BEHIND WALL FIXTURES. 9'-9 ¼" A.F.F TO CEILING, INCLUSIVE OF UNDERSIDE OF BULKHEAD, TO BE PAINTED P-57, UNLESS NOTED OTHERWISE.
6. EXISTING MALL FLOORING TO CLOSURE LINE TO REMAIN, IF DAMAGED DURING CONSTRUCTION GC TO REPLACE.
7. WALL BASE IS ONLY REQUIRED WHERE SHOWN, WALL BASE IS NOT REQUIRED BEHIND MILLWORK THAT GOES TO THE FLOOR.
8. 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.
9. SCRUB AND SEAL VINYL FLOORING PRIOR TO TURNOVER. REFER TO MANUFACTURER'S SPECIFICATIONS.
10. EXISTING BLACK METAL CLADDING AT STOREFRONT TO REMAIN
11. WALL BASE TO WRAP CORNER AND EXTEND 2" BACK BEHIND PERIMETER FIXTURES.

2-SGH-A103-REV01

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.

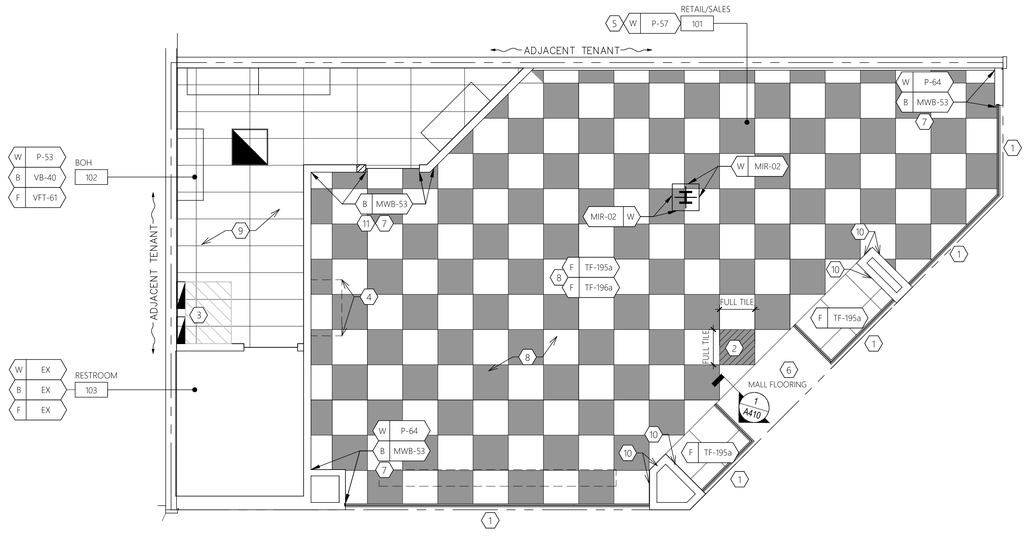
K. INSTALL NEW FLOOR TILE AS SHOWN, G.C. TO MAINTAIN 1/8" GROUT JOINT FOR FLOORING. PROVIDE ALL FLOORING TRANSITIONS AS REQUIRED.

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 DETAIL 6/A410 FOR NEW WALL BASE.

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

1-SGH-A103-REV01



NORTH

FINISH PLAN

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

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Construction for:

sunglass hut
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Revisions:

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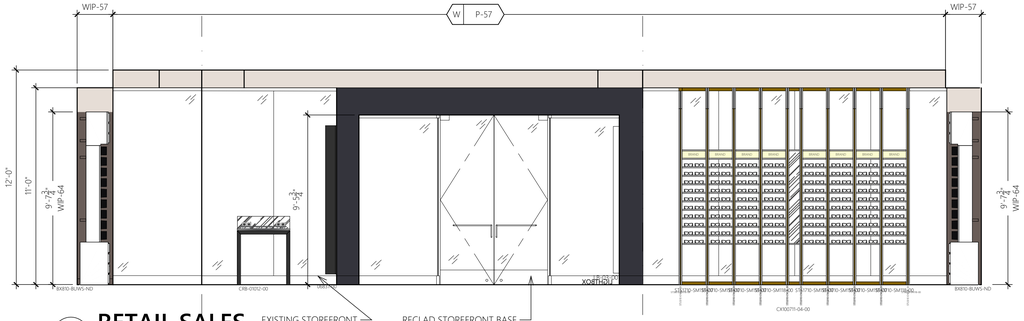
EssilorLuxottica Project Number 102671

Brand Design Type:
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FINISH PLAN

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Sheet No.: A103

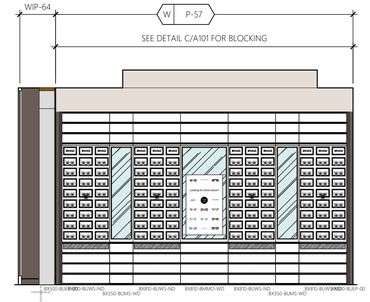


1 RETAIL SALES

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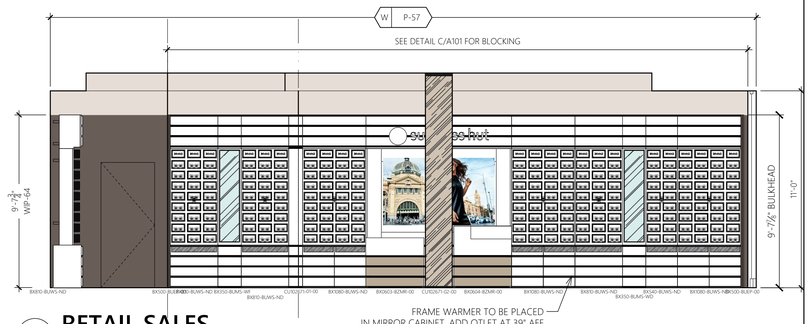
EXISTING STOREFRONT METAL FINISH TO REMAIN

RECLAD STOREFRONT BASE AND BOTTOM OF DOOR WITH MF-51



2 RETAIL SALES

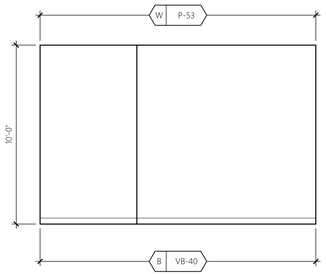
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FRAME WARMER TO BE PLACED IN MIRROR CABINET. ADD OTLET AT 39" AFF

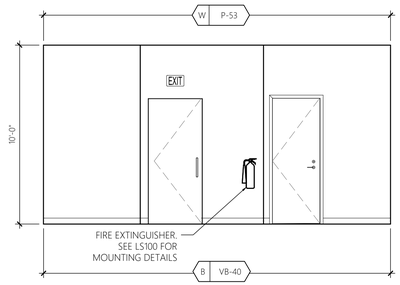
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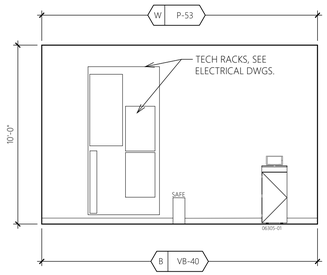
4 BOH

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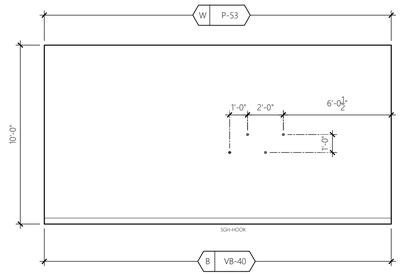
5 BOH

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



6 BOH

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



7 BOH

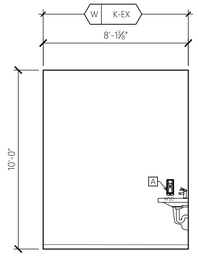
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D TOILET ROOM ACCESSORY SCHEDULE

(#) = QUANTITY

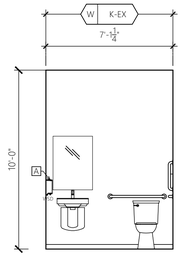
@	CODE	ITEM	DESCRIPTION	ROOM	REMARKS	SUPPLIED	RECEIVED	INSTALLED
A	SGH06-WSD					T	GC	GC
B	SGH06-WMT	WALL-MOUNTED TRASH CAN	VENDOR: BRADLEY ARTICLE #: 3042086; VENDOR PART #: 6A00-110000 FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE & INSTALLS IN-WALL BLOCKING*	T	GC	GC
C	SGH06-TRASH1	FREE-STANDING TRASH CAN	VENDOR: ABCO ARTICLE #: 3042095 VENDOR PART #: AAMA808SQTJS2X SIZE: 13 GALLON FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM	T	GC	GC
D	-	TOILET PAPER HOLDER	EXISTING TO REMAIN	RESTROOM (1)				

D-SGH-A210-REV01



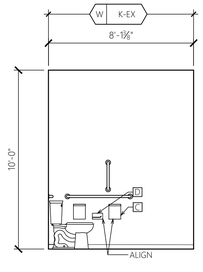
8 RESTROOM

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



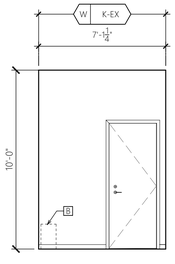
9 RESTROOM

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



10 RESTROOM

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



11 RESTROOM

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

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EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number: 102671

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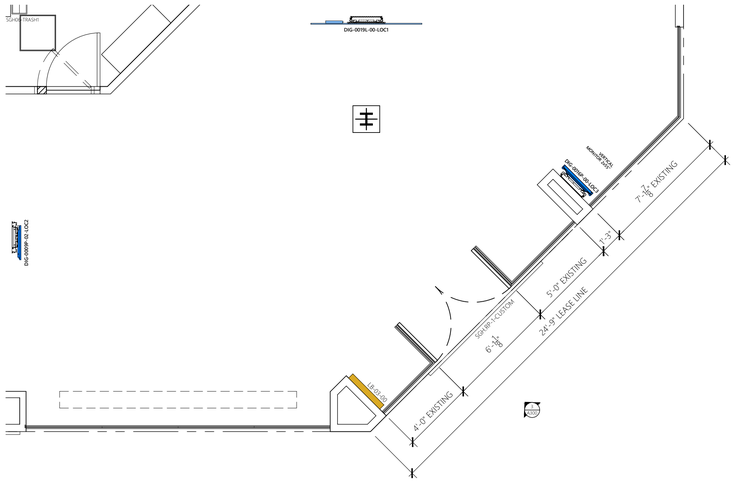
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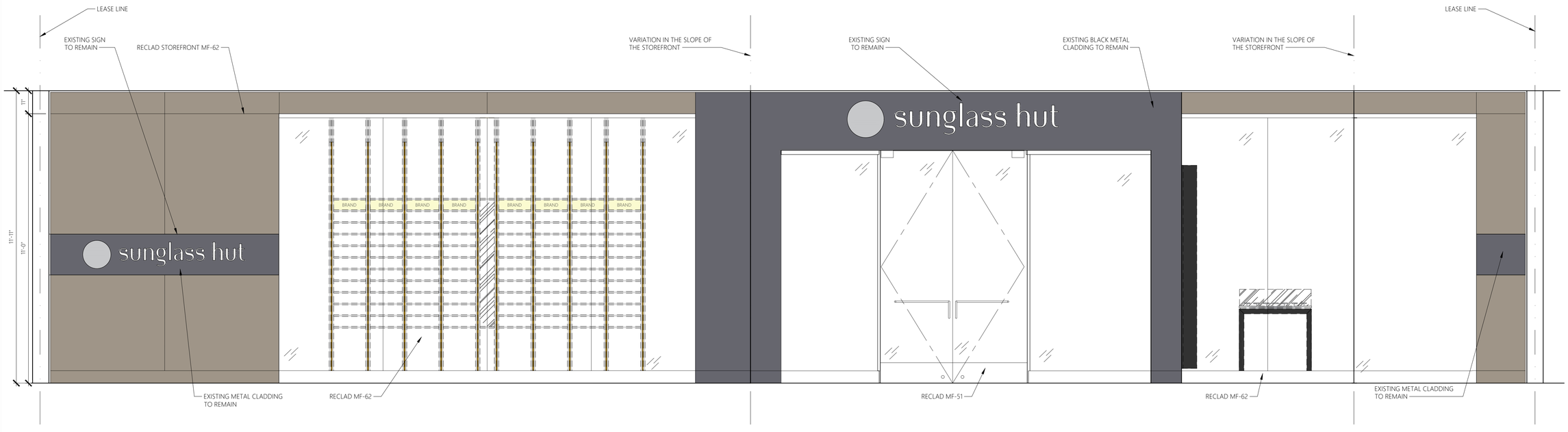
Date 08/03/2026
Drawn By A.A.
Checked By J.M.

Sheet No.: A200



1 ENLARGED STOREFRONT PLAN

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



3 STOREFRONT ELEVATION

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

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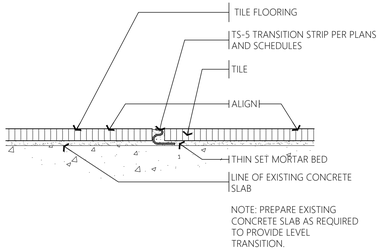
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Sheet Name:
STOREFRONT PLAN, ELEVATIONS & SECTION

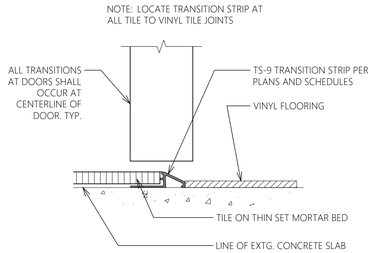
Date 08/03/2026
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Sheet No.: A300



1 FLOOR TRANSITION DETAIL

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



2 FLOOR TRANSITION DETAIL

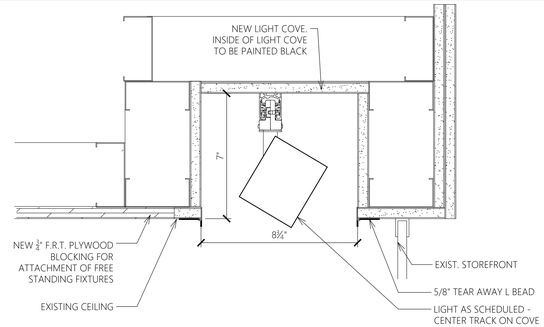
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3 NOT USED

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

4 NOT USED

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



5 RECESSED LIGHT DETAIL

SCALE: 3" = 1'-0"

6 METAL WALL BASE DETAIL

SCALE: 6" = 1'-0"

7 END PANEL FIXTURE

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

8 END PANEL FIXTURE

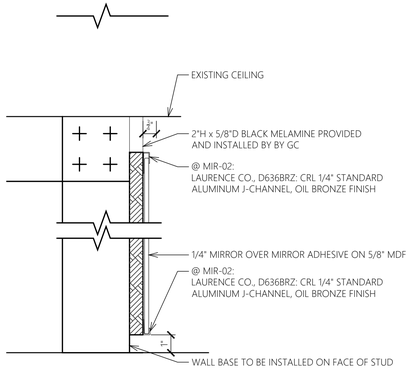
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9 BLOCKING PLAN DETAIL

SCALE: 3" = 1'-0"

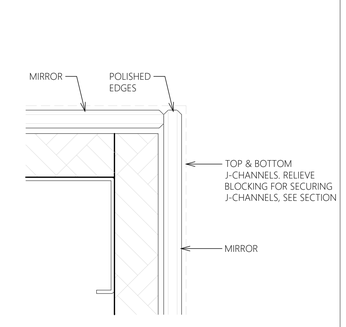
10 NOT USED

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



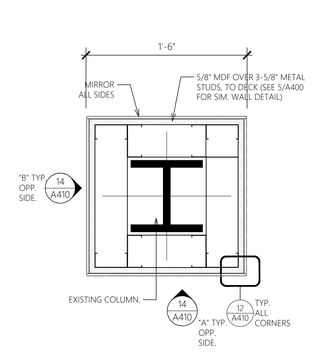
11 MIRROR DETAIL

SCALE: 3" = 1'-0"



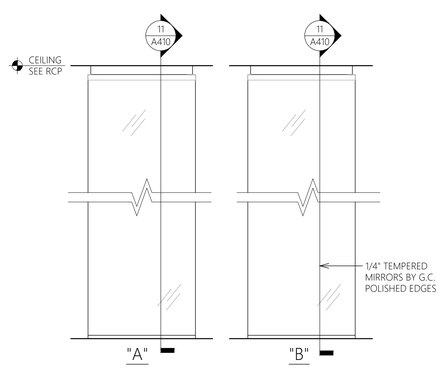
12 MIRRORED COLUMN - DETAIL

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



13 MIRRORED COLUMN - PLAN

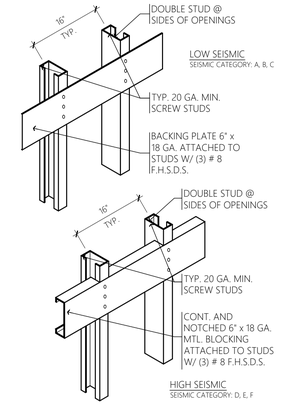
SCALE: 1-1/2" = 1'-0"



14 MIRRORED COLUMN ELEVATIONS

SCALE: 1-1/2" = 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.



20 IN-WALL BLOCKING DETAIL

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

16 NOT USED

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

17 NOT USED

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

18 NOT USED

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

19 NOT USED

SCALE: 6" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

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SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026	100% OWNER REVIEW
△	08/17/2026	100% CDs
△		
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number: 102671

Brand Design Type: SGHBX

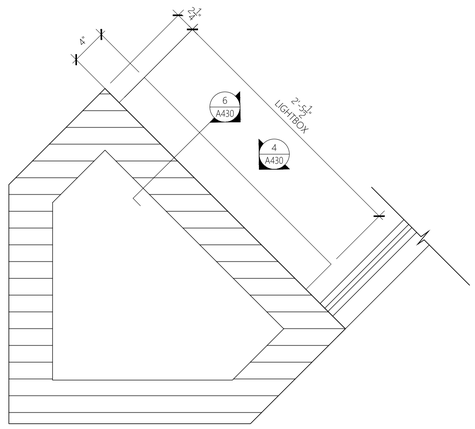
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- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
- ☐ PERMIT
- ☐ BULLETIN

Sheet Name: SECTIONS & DETAILS

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

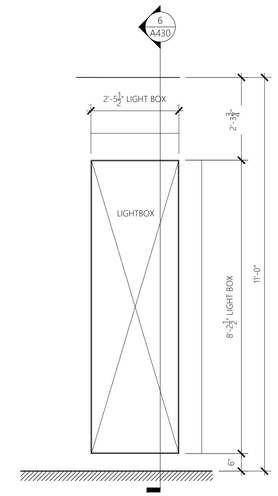
Sheet No.: A410



LB## LIGHT BOX ENLARGED PLAN

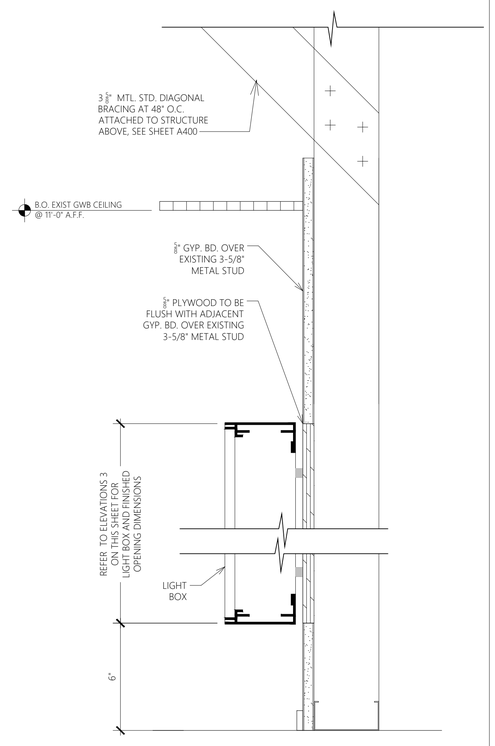
1 SCALE: 1-1/2" = 1'-0"

LIGHTBOX SCHEDULE				
CODE	DIMENSIONS (mm)	DIMENSIONS (inch)	LOCATION	PROVIDED BY L. BOX VENDOR?
LB-03-00	750W x 2500H	29.53 W x 98.43 H	STOREFRONT	NO



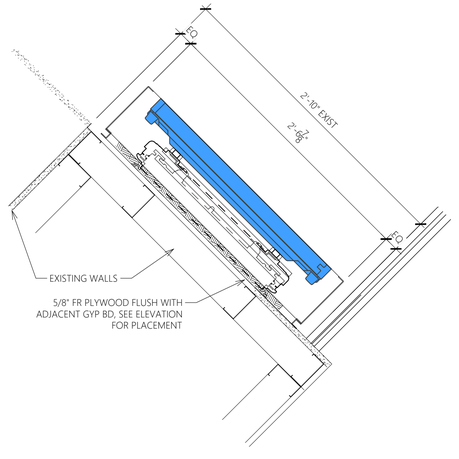
LB## LIGHT BOX ELEVATION

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



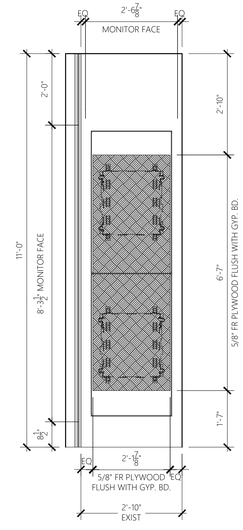
LB## LIGHT BOX SIDE SECTION

6 SCALE: 3" = 1'-0"



DIG-0016P-00-LOC# (2) 55" MONITORS - ENLARGED PLAN

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



DIG-0016P-00-LOC# (2) 55" MONITORS - ELEVATION

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

DESIGN & CONSTRUCTION MANAGEMENT:

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△	08/03/2026	100% OWNER REVIEW
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△		
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
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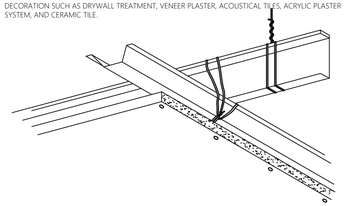
Sheet Name: LIGHTBOX SECTIONS & DETAILS

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

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 1:6 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:

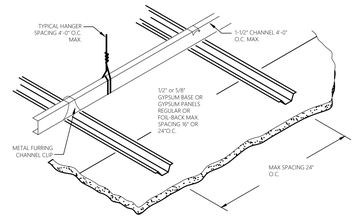
4.2.1 ATTACH RUNNERS TO WALLS WITH 2 FASTENERS AT EACH WALL STUD

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

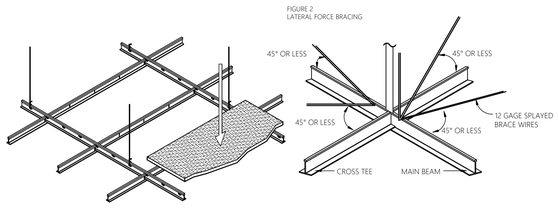
5.1 APPLICATION OF PANELS AND FINISHING SHALL BE IN ACCORDANCE WITH THE APPROPRIATE RELATED SPECIFICATION.



1 SUSPENDED GYPSUM BOARD CEILING
NO SCALE

LATERAL FORCE BRACING (FIGURES 2 AND 3)

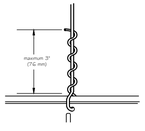
FIGURE 2
LATERAL FORCE BRACING



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

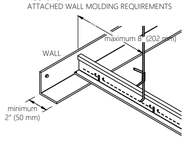
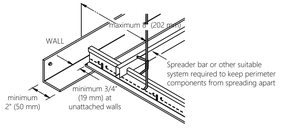


FIGURE 4b
UNATTACHED WALL MOLDING REQUIREMENTS



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 90° FROM 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 OF 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 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 FOLLOWS: 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

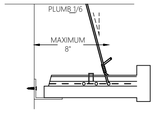
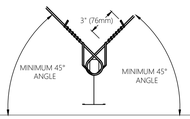


FIGURE 5b • COUNTER SLOPING



VERTICAL HANGER WIRE ATTACHMENT

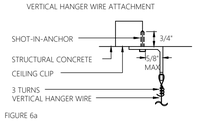


FIGURE 6a

SPLAYED SEISMIC BRACING WIRE ATTACHMENT

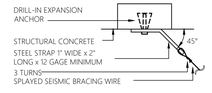


FIGURE 6b

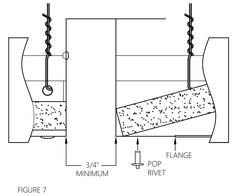


FIGURE 7

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 BUILDING 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
10 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, CARRYING TEE, CARRYING RUNNER OR MAINS.

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 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026	100% OWNER REVIEW
△	08/17/2026	100% CDs
△		
△		
△		
△		
△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

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

Sheet Name: CEILING DETAILS

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

Sheet No.: A440



NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

1 **RENDERING - STOREFRONT 1**
NOT TO SCALE



NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

2 **RENDERING - STOREFRONT 2**
NOT TO SCALE



NOTE: RENDERINGS ARE PROVIDED FOR REFERENCE ONLY.
CONSTRUCTION DRAWINGS PREVAIL

3 **RENDERING - INTERIOR**
NOT TO SCALE

DESIGN & CONSTRUCTION MANAGEMENT:

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1 West 37th Street New York, NY 10018
+1 212.302.1200

STORE 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

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△	08/03/2026 100% OWNER REVIEW	
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△		
△		
△		
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.:
RT2325-0350

EssilorLuxottica DD Set Layout No.:
5

EssilorLuxottica Project Number 102671

Brand Design Type:
SGHBX

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

Sheet Name:
RENDERINGS

Date 08/03/2026
Drawn By A.A.
Checked By J.M.

Sheet No.:
A900

Air System Information

Air System Name RTU-1
Equipment Class ..... PKG ROOF
Air System Type ..... SZCAV

Number of zones 1
Floor Area ..... 1000.4 sqft
Location ..... Monmouth Executive, NJ, USA

2. Space Ventilation Analysis

Zone Name / Space Name	Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 1									
101 Retail Space	372	749.4	0.12	11.2	7.50	0.80	218	174	0.858
102 BOH	30	179.0	0.06	0.0	5.00	0.80	13	11	0.993
103 RR	15	71.9	0.00	0.0	0.00	0.80	0	0	1.443
Totals	418							185	0.858

Table 2. Zone Heat Balance Loads

	DESIGN COOLING - JULY 16:00 OA DB / WB 91.0 F / 73.9 F			DESIGN HEATING OA DB / WB 11.6 F / 9.1 F		
Zone Heat Balance Component	Details	Sensible [BTU/hr]	Latent [BTU/hr]	Details	Sensible [BTU/hr]	Latent [BTU/hr]
Exterior Wall Convection	0 sqft	0	-	0 sqft	0	-
Roof Convection	0 sqft	0	-	0 sqft	0	-
Window Convection	0 sqft	0	-	0 sqft	0	-
Skylight Convection	0 sqft	0	-	0 sqft	0	-
Door Convection	0 sqft	0	-	0 sqft	0	-
Floor Convection	1000 sqft	1094	-	1000 sqft	257	-
Interior Wall Convection	2419 sqft	1800	-	2419 sqft	777	-
Ceiling Convection	1000 sqft	2866	-	1000 sqft	1415	-
Overhead Lighting Convection	608 W	921	-	0 W	0	-
Task Lighting Convection	0 W	0	-	0 W	0	-
Electric Equipment Convection	403 W	1033	-	0 W	0	-
People Convection	11	826	2303	0	0	0
Infiltration	0 CFM	0	0	0 CFM	0	0
Miscellaneous Equipment	-	0	0	-	0	0
Air Internal Energy Change	-	0		-	0	0
Safety Factor	5% / 5%	427	115	10%	245	0
>> Total Zone Loads	-	8966	2418	-	2695	0
Key:	Positive values are cooling loads Negative values are heating loads			Positive values are heating loads Negative values are cooling loads		

VAV BOX SCHEDULE

TAG	SERVICE	MFR	MODEL No.	AIR FLOW DATA				ELECTRIC HEATING COIL DATA			NOTES/ACCESSORIES
				INLET SIZE (IN)	DESIGN AIR (CFM)	DESIGN EAT (F)	MIN AIR (CFM)	COIL EAT/LAT (F)	INPUT (kW)	VOLTAGE (V-ϕ-Hz)	
FPVAV-1	RETAIL SPACE	TRANE	VPEF	12"	1000	55	260	55/75	6.5	480-3-60	1 - 14

NOTES/ ACCESSORIES

1. 1" MATTE FACED INSULATION
2. ROUND INLET CONNECTION
3. SLIP AND DRIVE OUTLET CONNECTION
4. DOOR INTERLOCK DISCONNECT SWITCH
5. MERCURY CONTRACTORS
6. AIRFLOW SWITCH
7. MAIN POWER FUSING
8. TRANSFORMER FOR 24 VOLT CONTROL SWITCH
9. THROWAWAY FILTER
10. MOTOR STARTER
11. REHEAT CONTACTS
12. FLOW RING
13. DIRECT DIGITAL CONTROLS - PRESSURE INDEPENDENT - WITH DDC ACTUATOR, DDC CONTROLLER AND DDC ZONE SENSOR TO BE FACTORY INSTALLED BY BUILDING CONTROL SYSTEM VENDOR AT THIS CONTRACTOR'S EXPENSE. SENSOR TO BE FIELD INSTALLED WHERE SHOWN ON PLA. COORDINATE WITH MALL REQUIREMENTS, BEFORE ORDERING UNIT, AND PROVIDE AS REQUIRED. REFER TO "SPECIFICATIONS FOR THE COMPATIBILITY OF VAV CONTROLS WITH THE MACERICH TRIDIUM NETWORK" ON DRAWING M2.0
14. SENSOR INSTALLED BY TRANE

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.

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. 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.

F. 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.

G. 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 LUXOTICA REPRESENTATIVE.

H. NO PVC PIPING ALLOWED IN PLENUM AREAS.

I. DUCT SIZES INDICATED REPRESENT CLEAR INTERIOR SHEET METAL DIMENSIONS.

J. 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.

K. BRANCH DUCTS SERVING DIFFUSERS SHALL BE SIZED TO MATCH DIFFUSER NECK SIZE INDICATED.

L. ALL ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS.

M. G.C. MUST REPLACE ALL AIR FILTERS IN HVAC UNITS WITH NEW CLEAN FILTERS BEFORE AIR BALANCING AND PRIOR TO FINAL TURNOVER TO TENANT.

N. 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.

O. THE TENANT RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE TENANT FIND CORRECTIVE WORK NECESSARY, HE WILL NOTIFY G.C. 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.

P. DUCTWORK SHALL NOT BE ROUTED OVER ELECTRIC PANELS AND TRANSFORMER.

Q. 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

R. 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.

S. GENERAL CONTRACTOR SHALL EXAMINE THE PLENUM SPACE FOR ANY PVC PIPING, COMBUSTIBLE MATERIAL, OR ANY OTHER NON-PLENUM-RELATED MATERIALS IN THE PLENUM AREAS AND REPORT TO ARCHITECT AND ENGINEER ANY COMBUSTIBLE ITEMS FOUND.

1-LC09-M001-REV04

B RESPONSIBILITY SCHEDULE (HVAC)

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

DIVISION 15000 - MECHANICAL	SUPPLIED BY SUPL	RECEIVED BY RCV	INSTALLED BY INSTL	EXISTING EXG	STOCK & REPAIR P & R	RELOCATE RELO	REMARKS
ACCESS PANELS				●			COORDINATE WITH TRADES FOR SIZE AND LOCATION.
ROOF WORK	NA	NA	NA				GC TO COORD. W/ LANDLORD WHEN REQUIRED
HVAC DISTRIBUTION, DUCTWORK, DIFFUSERS	GC	GC	GC				SEE SHEET M200 FOR SCOPE OF WORK.
HVAC UNIT(S) - RTU, VAV, HAV, ETC.	NA	NA	NA				NEW RTU PROVIDED FROM TENANT INVENTORY. GC TO INSTALL. SEE PLANS FOR SCOPE OF WORK.
HVAC UNIT CURB(S)	NA	NA	NA				GC TO PROVIDE NEW CURB.
CONTROLS FOR HVAC UNIT(S)	GC	GC	GC				WHERE LANDLORD CONTROLS ARE REQUIRED, UTILIZE LANDLORD CONTROLS CONTRACTOR AT GC'S EXPENSE
STRUCTURAL SUPPORTS FOR VAV'S				●			
STRUCTURAL SUPPORTS FOR AIR HANDLERS	N/A	N/A	N/A	N/A			
TOILET ROOM EXHAUST FAN				●			
LANDLORD ENERGY MANAGEMENT SYSTEM	N/A	N/A	N/A	N/A			
SMOKE EVACUATION SYSTEM & CONTROLS	N/A	N/A	N/A	N/A			
SMOKE DETECTORS	N/A	N/A	N/A	N/A			SEE PLANS FOR SCOPE OF WORK.

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 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 100% OWNER REVIEW	
△	08/17/2026 100% CDs	
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

ISSUED FOR:

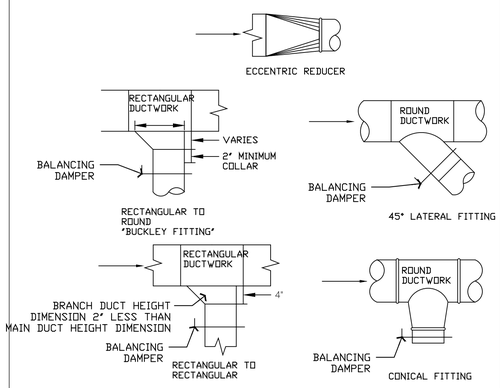
- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
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- ☐ BULLETIN

Sheet Name: MECHANICAL GENERAL NOTES & DETAILS

Date 08/03/2026
Drawn By J.LEUNG
Checked By B.SPRINKLE

Sheet No.: M001

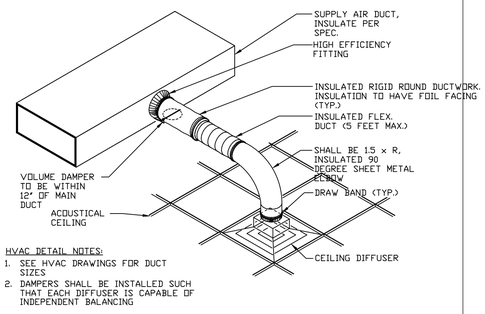
2 DUCT BRANCH TAKE-OFF DETAIL



M009

M009-SGH-M010-REV01

6 DUCT CONNECTION DETAIL



HVAC DETAIL NOTES:

1. SEE HVAC DRAWINGS FOR DUCT SIZES
2. DAMPERS SHALL BE INSTALLED SUCH THAT EACH DIFFUSER IS CAPABLE OF INDEPENDENT BALANCING

M012

M012-SGH-M010-REV01

8 DUCT SUPPORT DETAIL

TABLE - 2

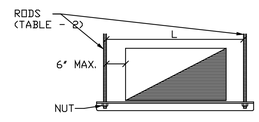
ALLOWABLE HANGER LOAD, MAX.

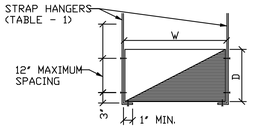
STRAPS	LBS.	RODS	LBS.
(2) 1" x 22 GA.	520	(2) 1/4"ø	540
(2) 1" x 20 GA.	640	(2) 3/8"ø	1360
(2) 1" x 18 GA.	840	(2) 1/2"ø	2500
(2) 1" x 16 GA.	1400	(2) 5/8"ø	4000
		(2) 3/4"ø	6000

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.





M020 | **RECTANGULAR DUCT SUPPORT DETAIL - NON SEISMIC**

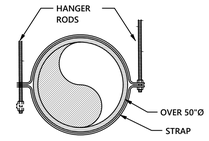
M020-SGH-M010-REV01

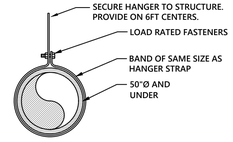
10 DUCT SUPPORT DETAIL

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: TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

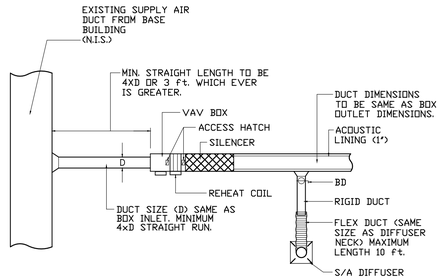




M021 | **ROUND DUCT SUPPORT DETAIL - NON SEISMIC**

M021-SGH-M010-REV01

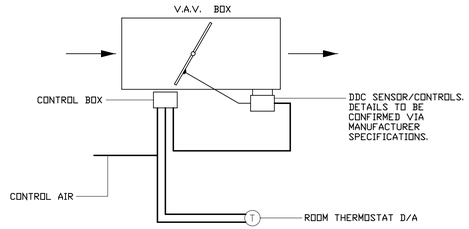
11 TYPICAL V.A.V. INSTALLATION DETAIL



M022

M022-SGH-M010-REV01

12 SCHEMATIC OF V.A.V. BOX CONTROL



SEQUENCE OF OPERATION:

ON A RISE IN SPACE TEMPERATURE, THE ROOM THERMOSTAT SHALL MODULATE THE V.A.V. BOX OPEN TO SATISFY THE SET SPACE TEMPERATURE. ON A DROP IN SPACE TEMPERATURE, THE THERMOSTAT SHALL MODULATE THE V.A.V. BOX TO THE MINIMUM SETTING.

M023

M023-SGH-M010-REV01

DESIGN & CONSTRUCTION MANAGEMENT:

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sunglass hut
A Brand of EssilorLuxottica

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2	08/17/2026 100% CDs	
3		
4	8/19/2025 PERMIT RESPONSE 1	
5	10/6/2025 IFC SET	
6		
7		

Architect / Engineer of Record

NORR

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NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.:
RT2325-0350

EssilorLuxottica DD Set Layout No.:
5

EssilorLuxottica Project Number 102671

Brand Design Type:
SGHBX

ISSUED FOR:

- ☐ 100% PRELIM
- ☐ CONSTRUCTION
- ☒ 100% FINAL
- ☐ ADDENDUM
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Sheet Name:
MECHANICAL SCHEDULES

Date 08/03/2026
Drawn By J.LEUNG
Checked By B.SPRINKLE

Sheet No.:
M002

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 CONTINUING OWNER OCCUPATION OF ADJACENT SPACES. ALL DEMOLITION WORK TO BE COORDINATED WITH OWNER 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 OWNER.

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 OWNER.

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. WHERE REQUIRED, COORDINATE EQUIPMENT ELECTRICAL TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

A-SGH-M100-REV01

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

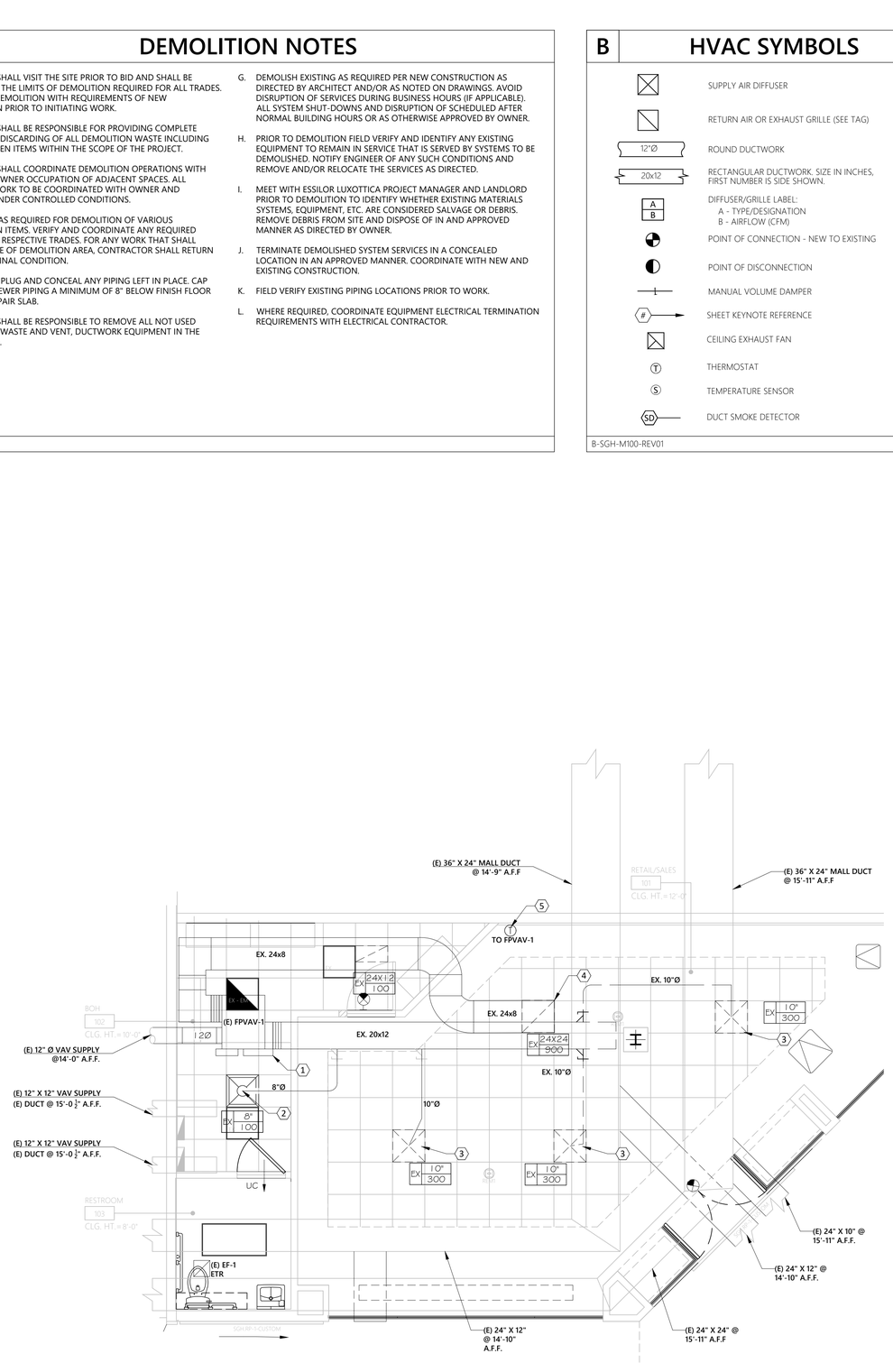
B-SGH-M100-REV01

C KEY NOTES - DEMOLITION

1. EXISTING VAV TO BE REPLACED WITH NEW. SEE PROPOSED NEW WORK HVAC PLAN AND MECHANICAL SCHEDULE FOR MORE DETAILS. DISCONNECT FROM EXISTING SUPPLY INLET/OUTLET AND RETURN AIR DUCT.
2. EXISTING SUPPLY AIR GRILLE / RETURN AIR GRILLE TO REMAIN.
3. EXISTING SUPPLY AIR GRILLE TO BE REPLACED WITH NEW. DISCONNECT FROM EXISTING SUPPLY AIR BRANCH DUCT.
4. EXISTING RETURN AIR GRILLE TO BE REPLACED WITH NEW. DISCONNECT FROM EXISTING RETURN AIR DUCT ABOVE.
5. EXISTING THERMOSTAT TO BE REMOVED AND REPLACED WITH NEW.

C-SGH-M100-REV01

TEST AND RECORD THE EXISTING CFM DISCHARGING FROM EACH DIFFUSER PRIOR TO START OF WORK. REPORT CFM TO ESSILOR LUXOTTICA PROJECT MANAGER.



1 MECHANICAL DEMO PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

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NORTH AMERICA STORE DEVELOPMENT
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Construction for:

sunglass hut
A Brand of EssilorLuxottica

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△	08/03/2026 100% OWNER REVIEW	
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: **5**

EssilorLuxottica Project Number: 102671

Brand Design Type: **SGHBX**

ISSUED FOR:

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

Sheet Name: HVAC DEMOLITION PLAN

Date: 08/03/2026
Drawn By: J.LEUNG
Checked By: B.SPRINKLE

Sheet No.: M100

4 GENERAL NOTES

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.

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. NOT USED.

F. 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.

G. 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 LUXOTTICA REPRESENTATIVE.

H. NOT USED.

I. DUCT SIZES INDICATED REPRESENT CLEAR INTERIOR SHEET METAL DIMENSIONS.

J. 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.

K. BRANCH DUCTS SERVING DIFFUSERS SHALL BE SIZED TO MATCH DIFFUSER NECK SIZE INDICATED.

L. ALL ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS.

M. G.C. MUST REPLACE ALL AIR FILTERS IN HVAC UNITS WITH NEW CLEAN FILTERS BEFORE AIR BALANCING AND PRIOR TO FINAL TURNOVER TO TENANT.

N. 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.

O. THE TENANT RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD THE TENANT FIND CORRECTIVE WORK NECESSARY, HE WILL NOTIFY G.C. 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.

P. DUCTWORK SHALL NOT BE ROUTED OVER ELECTRIC PANELS AND TRANSFORMER.

Q. GC RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM MELINK. GC TO COORDINATE WITH MELINK REGARDING THE SITE READINESS AND DATES OF INSPECTIONS AROUND TAB REPORTS, PRE-GRID WALK THROUGH AND COMMISSIONING. IF SITE IS NOT READY AND MELINK REPRESENTATIVE NEEDS TO RETURN TO PERFORM THEIR WORK, THE GC WILL BE RESPONSIBLE FOR ANY COSTS INCURRED FOR A REVISIT AS REQUIRED.

R. 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.

4-LCM-H200-REV 0.0

3 KEY NOTES - MECHANICAL PLAN

1. INSTALL NEW VAV PER LOCATION SHOWN. RE CONNECT EXISTING SUPPLY INLET / OUTLET, RETURN AIR INLET DUCTWORK AS NECESSARY.
2. CONNECT NEW THERMOSTAT TO NEW VAV. MOUNT AT 48" A.F.F.
4. NEW SUPPLY DIFFUSER TO REPLACE EXISTING. RECONNECT INTO EXISTING DUCTWORK ABOVE.
5. NEW RETURN AIR GRILLE TO REPLACE EXISTING. RECONNECT INTO EXISTING DUCT ABOVE.

3-SGH-M200-REV01

2 GRILLE, REGISTER AND DIFFUSER SCHEDULE

TAG	SERVICE	MOUNTING	MFR	MODEL No.	MODULE SIZE	FINISH	NOTES
S1	SUPPLY AIR	MATCH CEILING	TITUS	OMNI	24" X 24"	PAINT TO MATCH CLG	1,2
S1	RETURN AIR	MATCH CEILING	TITUS	50F	24" X 24"	WHITE	2

NOTES/ACCESSORIES

1. PROVIDE YOUNGS REGULATOR TO CONTROL BALANCING DAMPER. LOCATE CONTROLLER ABOVE CEILING AT ACCESS PANEL OR ABOVE ADJACENT ACT CEILINGS.
2. RAPID MOUNT FRAME (IF SURFACE MOUNTING)

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 LUXOTTICA PM FOR APPROVAL.

2-SGH-M200-REV01

1 HVAC SYMBOLS

- SUPPLY AIR DIFFUSER
- RETURN AIR OR EXHAUST GRILLE (SEE TAG)
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- 20x12 — RECTANGULAR DUCTWORK. SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
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1-SGH-M200-REV01

7 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.

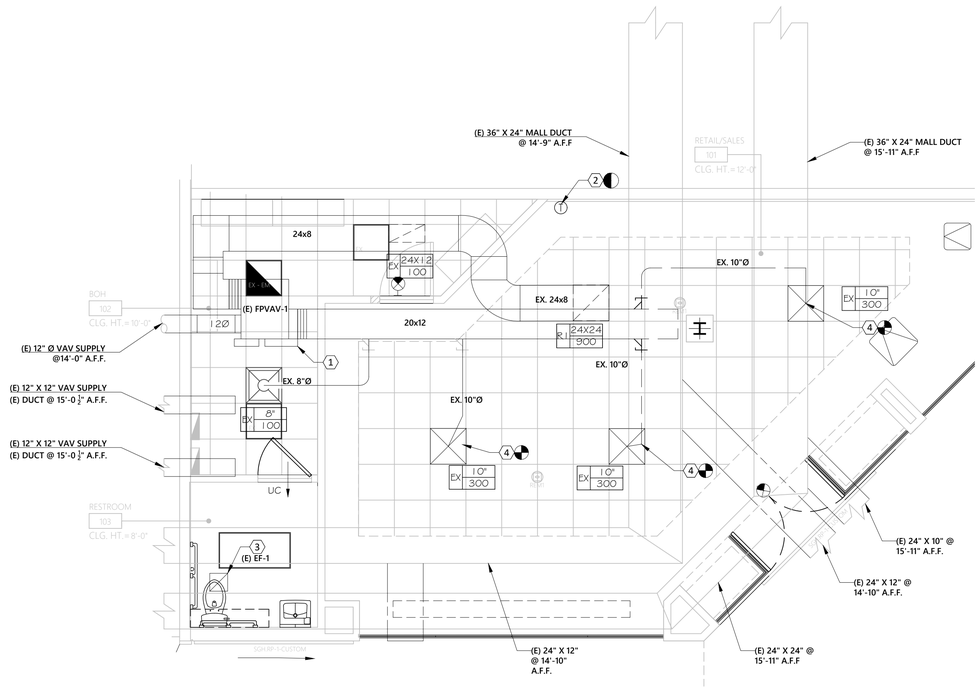
7-SGH-M200-REV02

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-SGH-M200-REV01



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

DESIGN & CONSTRUCTION MANAGEMENT:

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Sheet Name: HVAC CONSTRUCTION MECHANICAL PLAN

Date: 08/03/2026
Drawn By: J.LEUNG
Checked By: B.SPRINKLE

Sheet No.: M200

E ELECTRICAL SPECIFICATIONS

DIVISION 16000 - ELECTRICAL

PART 1 - GENERAL

A. GENERAL CONDITIONS, CODES & STANDARDS

1. ALL WORK SHOWN ON THE ELECTRICAL DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
2. 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.
3. 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.
4. 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.
5. TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.

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.
2. DURING BIDDING:
   2.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.
   2.3. 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.
3. 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.

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 #CAR-15 SERIES OR APPROVED EQUAL, HEAVY DUTY; COLOR TO BE COORDINATED WITH SCHEDULES.
   1.3. GROUND FAULT CIRCUIT INTERRUPTER (GFI) DUPLEX RECEPTACLES SHALL BE PROVIDED WHERE INDICATED.
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.
   2.1. SINGLE POLE SWITCHES SHALL BE LUTRON CA-1PS OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V; COLOR TO BE COORDINATED WITH SCHEDULES.
   2.2. THREE POLE SWITCHES SHALL BE LUTRON CA-3PS SERIES OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V, COLOR TO BE COORDINATED WITH SCHEDULES.
3. DIMMERS SHALL BE LUTRON SLIDING DIMMER SWITCH, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED. COLORS OF DEVICES AND COVERPLATES SHALL BE COORDINATED WITH SCHEDULES.
4. COMBINATION WALL DIMMER/OCCUPANT SENSOR SHALL BE LUTRON MAESTRO 0-10V DIMMER WITH INTEGRAL PASSIVE INFRARED OCCUPANT SENSING, AVAILABLE IN 1-WAY OR 3-WAY CONFIGURATIONS. COLOR TO BE COORDINATED WITH SCHEDULES. VERIFY LOAD SERVED IS COMPATIBLE PRIOR TO ORDERING.
5. WIRING DEVICES SHALL BE SPECIFICATION GRADE.
6. COVERPLATES FOR POWER, DATA & TELEPHONE SHALL BE LUTRON OR APPROVED EQUAL, PLASTIC. COLOR TO BE COORDINATED WITH SCHEDULES.
7. LIGHTING CONTRACTORS 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. FIRE ALARM SYSTEM

1. ALL WORK RELATED TO THE FIRE ALARM SYSTEM IS BY THE ELECTRICAL CONTRACTOR. OWNER'S REPRESENTATIVE WILL PROVIDE SPECIFICS ON THE SYSTEM.

PART 3 - EXECUTION

A. GENERAL MISCELLANEOUS

1. ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED. 2.
2. PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANELBOARDS. PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.
3. INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.
4. ALL FLUSH MOUNTED LOADCENTERS 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 CODE.

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.

E-SGH-E001-REV02

C ELECTRICAL SYMBOLS

(ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS)

- XX-## — HOMERUN TO PANEL AND CIRCUIT INDICATED
  - XX = PANEL
  - ## = CIRCUIT
- INFLOOR/UNDERFLOOR CONDUIT/WIRE
- JUNCTION BOX
- DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, GROUNDING TYPE, 20 AMPERE, MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED:
  - "2" INDICATES CIRCUIT NUMBER
  - "E" EXISTING TO REMAIN
  - "WP" INDICATES WEATHERPROOF COVER
  - "D" DEDICATED CIRCUIT
  - "GFI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE
  - "R" INDICATES RECESSED
- DOUBLE DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, GROUNDING TYPE, 20 AMPERE, MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
- DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, 20 AMPERE MOUNTED IN FLOOR BOX.
  - "CLG" INDICATES MOUNTED IN CEILING
- COMBINATION DUPLEX RECEPTACLE AND VOICE/DATA OUTLET MOUNTED IN FLOOR BOX.
- DOUBLE DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, 20 AMPERE MOUNTED IN FLOOR BOX.
- COMMUNICATIONS FLOOR BOX
- SWITCH - SINGLE POLE TOGGLE TYPE - 120/277 VOLT, 1-HP RATED, 20 AMPERE, MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED:
  - "3" INDICATES THREE WAY SWITCH
  - "4" INDICATES FOUR WAY SWITCH
  - "C" INDICATES SWITCH MOUNTED 8" ABOVE COUNTER
  - "OS" INDICATES OCCUPANCY SENSOR SWITCH
  - "D" INDICATES 0-10V DIMMER SWITCH - WATTAGE AS INDICATED ON PANEL SCHEDULE. EACH BRANCH CIRCUIT SHALL INCLUDE A SEPARATE NEUTRAL CONDUCTOR
  - "M" INDICATES A MASTER SWITCH THAT OVERRIDES THE OTHER SWITCHES CONNECTED TO IT.
  - "OSD" INDICATES 0-10V DIMMER SWITCH WITH INTEGRAL PIR OCCUPANCY SENSOR - WATTAGE AS INDICATED ON PANEL SCHEDULE. EACH BRANCH CIRCUIT SHALL INCLUDE A SEPARATE NEUTRAL CONDUCTOR. 1 OR 3 WAY AS INDICATED.
- OS — CEILING MOUNTED OCCUPANT SENSOR
- PP — LIGHTING CONTROL POWER PACK
- a — LIGHT FIXTURE: "AD" INDICATES FIXTURE TYPE "a" INDICATES SWITCH CONTROL, REFER TO LUMINAIRE SCHEDULE FOR DESCRIPTION.
- TL #1-S — TRACK AND TRACK MOUNTED LIGHT FIXTURE (DESIGNATIONS VARY - SEE PLANS)
- T-SPK — TRACK MOUNTED SPEAKER.
- D — RECESSED DOWNLIGHT. DESIGNATIONS VARY - SEE PLANS.
- ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE. CEILING MOUNTED OR WALL MOUNTED. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS.
- x1 — SPEAKER SYSTEM STREAM TRANSMITTER
- TC — LIGHTING TIME CLOCK
- DATA OUTLET: MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. PROVIDE SINGLE GANG BOX WITH PLASTER RING AND 3/4" CONDUIT TO ABOVE THE ACCESSIBLE CEILING. "W" INDICATES WALL MOUNTED AT 54" AFF, "C" INDICATES MOUNTED 8" ABOVE COUNTER. CLG INDICATES CEILING MOUNTED.
- C1 — IP CAMERA LOCATION.
- SWITCHED WIRING
- BRANCH CIRCUIT WIRING
- HOMERUN
- MOTOR
- POWER/DATA STUB-UP

A RESPONSIBILITY SCHEDULE (ELECTRICAL)

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

	SUPPLIED BY	RECEIVED BY	INSTALLED BY	EXISTING	P & R	RELOCATE	REMARKS
DIVISION 26 - ELECTRICAL	SUPL	RCV.	INSTL	EXIS.	P & R	RELO	REMARKS
CONNECTION AND WIRING @ MILLWORK THROUGHOUT	GC	GC	GC				ALL MILLWORK LIGHTING IS PLUG & PLAY. - FOLLOW UP REQUIRED BY ESSILOR LUXOTTICA-
ELECTRICAL SERVICE, FEEDERS, CONDUIT, METERS	GC	GC	GC	●			SEE ONE-LINE DIAGRAM ON SHEET E002
ELECTRICAL PANELS / TRANSFORMERS	GC	GC	GC				GC TO REFER TO ELECTRICAL ONE-LINE DIAGRAM ON SHEET E004. SEE SHEET E201 FOR LOCATIONS AND QUANTITIES.
ELECTRICAL WIRING, CIRCUITING, RECEPTACLES, SWITCHES	GC	GC	GC				SEE SHEET E201 FOR DEVICE QUANTITIES AND LOCATION.
RECEPTACLES IN MILLWORK	GC	GC	GC				SEE SHEET E201 FOR DEVICE QUANTITIES AND LOCATION.
EMERGENCY LIGHTING	T	GC	GC				SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATION.
EXIT SIGNS	T	GC	GC				SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATION.
NEW LIGHT FIXTURES & LAMPS	T	GC	GC				SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATION.
REPLACEMENT OR MATCHING EXISTING LIGHT FIXTURES & LAMPS							SEE SHEET E200 FOR DEVICE QUANTITIES AND LOCATION.
TIME CLOCK/ CONTACTORS/ CURRENT LIMITER	GC	GC	GC				SEE SHEET E201 FOR DEVICE LOCATION. SEE DETAIL E033 ON SHEET E201 FOR DEVICE CONNECTION AND INFORMATION.
CONDUITS - DATA, COMMUNICATION, ALARMS, PHONES	GC	GC	GC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS.
BUZZER AT REAR DOOR	GC	GC	GC				N/A
WIRELESS EQUIPMENT	T	T	T				
SECURITY - HARDWARE	T	GC	T				SEE SHEET E003 FOR PATCH PANEL SCHEDULE.
SECURITY - WIRING	GC	GC	T				WIRING TO BE PLENUM RATED
POS AND DATA WIRING (TEMPORARY)	GC	GC	GC				
POS AND DATA WIRING (PERMANENT)	GC	GC	GC				WIRING TO BE PLENUM RATED
WIRING TO WIRELESS ACCESS POINTS	GC	GC	GC				PROVIDE NEW. SEE PLANS FOR SCOPE OF WORK.
BACKBOARD TERMINATION - DATA	GC	GC	GC				SEE DETAIL E068 ON SHEET E003.
BACKBOARD TERMINATION - PHONE	T	T	T				SEE DETAIL E068 ON SHEET E003.
FIRE ALARM SYSTEM	N/A						
PRODUCT SECURITY SYSTEM	GC	GC	GC				GC TO COORDINATE WITH VENDOR
LOW VOLTAGE EQUIMENT & WIRING	GC	GC	GC				SEE SPECIALIZED LOW VOLTAGE SCHEDULE ON ELECTRICAL SHEET E003.

MEP RESP
SCHEDULE-REV00
A-SGH-E001-REV03

B RESPONSIBILITY SCHEDULE (LOW VOLTAGE)

T= TENANT
GC= GENERAL CONTRACTOR
LL= LANDLORD
EC= ELECTRICAL CONTRACTOR
N/A= NOT APPLICABLE
U = UTILITY VIA VENDOR

	SUPPLIED BY	RECEIVED BY	INSTALLED BY	EXISTING	P & R	RELO	REMARKS
DIVISION 28 - LOW VOLTAGE	SUPL	RCV.	INSTL	EXIS.	P & R	RELO	REMARKS
DATA/TECH RACK	EC	EC	EC				
DATA/TECH RACK - DATA WIRING	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
DATA/TECH RACK - PATCH PANELS	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS.
DATA/TECH RACK - DATA JACKS	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS.
DATA - LABELING BOTH ENDS OF CABLE	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS.
TRAFFIC COUNTER	T	EC	T				
TRAFFIC COUNTER - DATA WIRING	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
SURVEILLANCE CAMERA	T	EC	T				
SURVEILLANCE CAMERA - DATA WIRING	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
SOUND SYSTEM	T	T	T				
SOUND SYSTEM - RECEPTACLES (UNSWITCHED)	EC	EC	EC				SEE SHEET E201 FOR LOCATIONS AND REQUIREMENTS.
SOUND SYSTEM - STREAM TRANSMITTER	T	T	T				SEE SHEET E201 FOR LOCATIONS AND REQUIREMENTS.
SOUND SYSTEM - TRACK MOUNTED SPEAKER	T	T	T				SEE SHEET E201 FOR LOCATIONS AND REQUIREMENTS.
LED WALLS	T	T	T				
LED - RECEPTACLES (UNSWITCHED)	EC	EC	EC				SEE SHEET E201 FOR LOCATIONS AND REQUIREMENTS.
LED - DATA OUTLETS, TERMINATED AND TESTED	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS.
LED - DATA WIRING BACK TO PATCH PANEL	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
LED - POWER WIRING BETWEEN COMPONENTS	T	T	T				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
LED - DATA WIRING BETWEEN COMPONENTS	T	T	T				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
LED - MEDIA PLAYER	T	T	T				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
LED - MEDIA PLAYER SHELF	EC	EC	EC				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
LED - PROGRAMMING	T	T	T				SEE SHEETS E002 AND E201 FOR LOCATIONS AND REQUIREMENTS. WIRING TO BE PLENUM RATED.
TELEPHONE FIRE RATED PLYWOOD BACKBOARD (TELE BCKBRD)	EC	EC	EC				PROVIDE NEW. SEE PLANS FOR SCOPE OF WORK.
TELE BCKBRD - CONDUIT FROM LL ROOM TO TENANT SPACE	LL	LL	LL	●			EXISTING TO REMAIN
TELE BCKBRD - WIRING FROM LL ROOM TO TENANT SPACE	EC	EC	EC	●			EXISTING TO REMAIN
TELE BCKBRD - PLYWOOD BACKBOARD	EC	EC	EC	●			EXISTING TO REMAIN
TELE BCKBRD - UNSWITCHED RECEPTACLES	EC	EC	EC	●			EXISTING TO REMAIN
BACKWRAP - DLINK SWITCH (WHERE USED)	T		T				
EQUIPMENT SPECIFICATIONS							
SUNGLASS HUT INLINE AND OUTLET RACK KIT'S							
RETAIL EQUIPMENT RACK KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part# LUX-SUNMODEL-1. 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. 5-7 Day Lead Time. Reference Luxottica Part # LUXFTR-CABLING-1. Includes Field cabling for low voltage Retail data network, includes all cabling and termination jacks required for site.
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 Manufacturer Part # CJ688TGWH
CAT6 TERMINATION JACK - BLUE	EC	EC	EC				Order from Anixter. Reference Manufacturer Part # CJ688TGBU
4 PORT WHITE FACEPLATE - MINICOM	EC	EC	EC				Order from Anixter. Reference Manufacturer Part # CFP4WH
2 PORT WHITE FACEPLATE - MINICOM	EC	EC	EC				Order from Anixter. Reference Manufacturer 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							
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-REV00
B-SGH-E001-REV01

F 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. 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.

E. 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 ADJUST ABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION SHOWN ON PLAN.

F. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

G. 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".

H. 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.

I. IT IS THE E.C.'S RESPONSIBILITY TO PROPERLY BALANCE ALL BRANCH CIRCUITS BETWEEN THE PHASES OF THE SYSTEM (WITH-IN 10%).

J. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES AND ORDINANCES.

K. ALL OUTLETS ARE TO BE LABELED WITH WHITE LABEL AND BLACK LETTERING ON THE FACEPLATE WITH PANEL AND CIRCUIT NUMBER.

L. SEE DATA RACK, PATCH PANEL SCHEDULE, AND ASSOCIATED DETAILS ON SHEET E003 FOR ADDITIONAL INFORMATION.

M. 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 OR CUTTING REQUIREMENTS SHALL BE VERIFIED WITH LANDLORD. CONTRACTOR SHALL SIZE CONDUIT PER NEC. PROVIDE FOR X-RAY OF FLOOR WHERE REQUIRED BY THE LANDLORD. SEE ARCHITECTURAL SHEETS FOR CONCRETE POUR-BACK DETAIL.

N. E.C. TO PROVIDE AND INSTALL ALL DISCONNECTS FOR MECHANICAL AND PLUMBING EQUIPMENT THAT ARE NOT SUPPLIED BY THOSE CONTRACTORS OR THE EQUIPMENT SUPPLIER.

O. ANY DISCREPANCIES, ERRORS, OR OMISSIONS DISCOVERED IN THE CONTRACT DOCUMENTS BY THE GC SHALL BE BROUGHT TO THE ATTENTION OF 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.

F-SGH-E001-REV01

D CODE NOTES

FOLLOW APPLICABLE CODES AS A MINIMUM OF WORK. WORK SHOWN ON THE DRAWINGS IS INTENTED TO MEET OR EXCEED CODE AND SHALL NOT BE INTERPRETED OTHERWISE.

MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FC AT THE WALKING SURFACE AND SHALL BE EQUIPPED WITH THE CODE MINIMUM BATTERY BACK UP WHERE REQUIRED. MINIMUM SHALL BE 90 MINUTES WHERE THE APPLICABLE CODES REQUIRE LESS THAN 90 MINUTES OF BACK UP.

EXIT SIGNS SHALL BE ILLUMINATE AT ALL TIMES AND EQUIPPED WITH THE CODE MINIMUM BATTERY BACK UP WHERE REQUIRED. MINIMUM SHALL BE 90 MINUTES WHERE THE APPLICABLE CODES REQUIRE LESS THAN 90 MINUTES OF BACK UP.

D-SGH-E001-REV01

DESIGN & CONSTRUCTION MANAGEMENT:

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Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 - 100% OWNER REVIEW	
△	08/17/2026 - 100% CDs	
△		
△		
△		
△		
△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.:
RT2325-0350

EssilorLuxottica DD Set Layout No.:
5

EssilorLuxottica Project Number: 102671

Brand Design Type:
SGHBX

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

Sheet Name:
ELECTRICAL GENERAL NOTES & DETAILS

Date: 08/03/2026
Drawn By: BAS
Checked By: M.G

Sheet No.: E001

B 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.

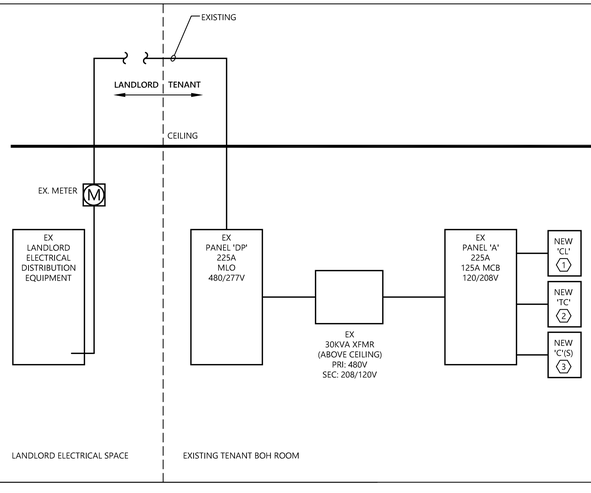
BIDDING GENERAL CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

B-SGH-E002-REV01

A ⟨XX⟩ KEY NOTES - ELECTRICAL ONE-LINE DIAGRAM

1. NEW CURRENT LIMITER
2. NEW TIME CLOCK
3. NEW CONTACTORS

ELECTRICAL ONE LINE DIAGRAM



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 E002, E100, E200, E201) 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-SGH-E002-REV01

D FIRESTOP SCHEDULE

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOOR	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	WOOD FLOORS	BASIS OF DESIGN HILTI PRODUCTS
		BASIS OF DESIGN UL 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	-	
NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (SEE NOTE 10)	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-2167, 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	CFS-S SIL GG, CFS-S SIL SL, CP 643 N, CP 644, CP 648-E, CP 648-S, CP 680-P, FS-ONE MAX, MINERAL WOOL
	2	C-AJ-2098, C-AJ-2109, C-AJ-2167, C-A-2271, C-AJ-2342, C-BJ-2021, F-A-2025, F-A-2054	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, FS-ONE MAX, MINERAL WOOL
	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 UL 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 UL-CLASSIFIED SYSTEM SELECTED.
4. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN SCHEDULE ABOVE, CONTACT HILTI FOR ALTERNATIVE SYSTEMS.
5. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL 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 AVALIABLE FOR INSPECTION BY AHJ AND/OR ENGINEER.
10. ALL NON METALIC PIPE OR CONDUIT PENETRATIONS ARE APPROVED FOR USE ONLY IN UNITED STATES.

D-SGH-E002-REV01

Panel Name: DP
Voltage: 277/480
Amps: 225
MCB: 14.0
Panel Type: PANELBOARD
A/C Rating: XXXX

WATTS PER PHASE A	B	C	DESCRIPTION OF LOAD	OCP/1	CKT#	CKT#	OCP/1	DESCRIPTION OF LOAD	WATTS PER PHASE A	B	C
3720					1	2	20/1	PPVW-1	180		
	2700		30 KVA TRANSFORMER	50/3	3	4				2.0	
		3080			5	6					2.0
			SPARE	20/1	7	8	20/1	SPARE			
			SPARE	20/1	9	10	20/1	SPARE			
			SPARE	20/1	11	12	20/1	SPARE			
			SPARE	20/1	13	14	20/1	SPARE			
			SPARE	20/1	15	16	20/1	SPARE			
			SPARE	20/1	17	18	20/1	SPARE			
			SPARE	20/1	19	20	20/1	SPARE			
			SPARE	20/1	21	22	20/1	SPARE			
			SPARE	20/1	23	24	20/1	SPARE			
			SPARE	20/1	25	26	20/1	SPARE			
			SPARE	20/1	27	28	20/1	SPARE			
			SPARE	20/1	29	30	20/1	SPARE			
3720	2965	3080	Totals					Totals	2.0	2.0	2.0

Load Characteristics:
Total Load, Phase A: 3722
Total Load, Phase B: 2702
Total Load, Phase C: 3082
Total Panel Load: 9507
Amps per Phase A: 13
Amps per Phase B: 10
Amps per Phase C: 11
Total Amps (assumes balanced): 11

ELECTRICAL LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED LOAD (KW)	DEMAND FACTOR	DEMAND FACTOR (KW)
LIGHTING	4.76	1.25	5.95
TRACK LIGHTING	3.9C	CURRENT UNITS* 1.25	3.75
SHOW WINDOW RECEPTACLES	0.72	1	0.72
SIGNAGE	0.5E	1.25	0.63
RECEPTACLES	4.8E	=30K+100%, =10K+5%+25%=30K	8.4E
EQUIPMENT	3.9C	1	3.9E
WATER HEATING		1.25	
HVAC		1.25*2.4#SIZE* MOTOR(+)*2#ST OF HVAC LOAD	3.9E
TOTALS:	15.62E	TOTALS:	22.17
AMPS (208V):	43.4	AMPS (208V):	61.6

Panel Name: A (EXISTING)
Voltage: 120/208
Amps: 225
MCB: 125 Main Circuit breaker amps
Panel Type: PANELBOARD
A/C Rating: 22K

NOTE: * = GFCI BREAKER

WATTS PER PHASE A	B	C	DESCRIPTION OF LOAD	OCP/1	CKT#	CKT#	OCP/1	DESCRIPTION OF LOAD	WATTS PER PHASE A	B	C
1500			TRACK LIGHTING	20/1	1	2	20/6	TIMECLOCK	200		
	500		ENTRANCE LIGHTING	20/1	3	4	20/5	TECH RACK		360	
		200	BOH LIGHTING	20/1	5	6	20/4	TECH RACK			360
1500			TRACK LIGHTING	20/1	7	8	20/3	TECH RACK	360		
	500		DIGITAL DISPLAY	20/1	9	10	20/2	TECH RACK		360	
		500	DIGITAL DISPLAY	20/1	11	12	20/1	MICROWAVE			1000
720			CASHWRAP RECEPTACLES	20/1	13	14	20/0	REFRIGERATOR	1000		
	720		CASHWRAP RECEPTACLES	20/1	15	16	20/1	BOH RECEPTACLES		360	
			SPARE	20/1	17	18	20/1	SIGNAGE			500
			SPARE	20/1	19	20	20/1	SHOW RECEPTACLES	720		
			SPARE	20/1	21	22	20/1	LIGHTBOX		180	
			SPARE	20/1	23	24	20/1	DIGITAL DISPLAY			500
			SPARE	20/1	25	26	20/1	SALES FIXTURE RECEPTACLES	720		
			SPARE	20/1	27	28	20/1	SALES FIXTURE RECEPTACLES		720	
			SPARE	20/1	29	30	20/1	SALES FIXTURE RECEPTACLES			720
			SPARE	20/1	31	32	20/1	SALES FIXTURE RECEPTACLES	720		
			SPARE	20/1	33	34	20/1	SALES FIXTURE RECEPTACLES		720	
			SPARE	20/1	35	36	20/1	SPARE			
			SPARE	20/1	37	38	20/1	SPARE			
			SPARE	20/1	39	40	20/1	SPARE			
			SPARE	20/1	41	42	20/1	SPARE			
3720	1720	700	Totals					Totals	3720	2700	3080

Load Characteristics:
Total Load, Phase A: 7440
Total Load, Phase B: 4420
Total Load, Phase C: 3780
Total Panel Load: 15640
Amps per Phase A: 62
Amps per Phase B: 37
Amps per Phase C: 32
Total Amps (assumes balanced): 43

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
1	08/03/2026 100% OWNER REVIEW	
2	08/17/2026 100% CDs	

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

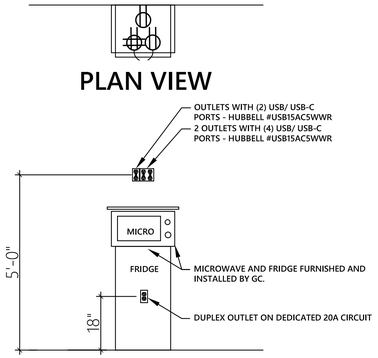
Brand Design Type: SGHBX

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Sheet Name: ELECTRICAL GENERAL NOTES & DETAILS

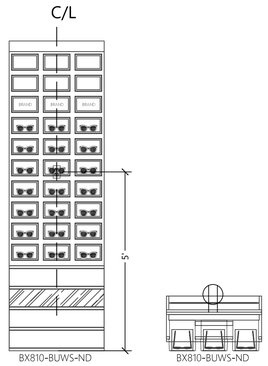
Date 08/03/2026
Drawn By BAS
Checked By M.G.

Sheet No.: E002



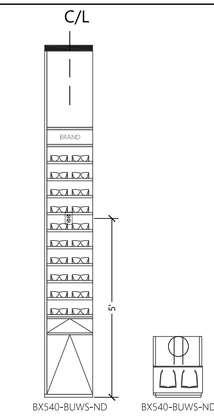
E010	MICROWAVE, REFRIGERATOR, USB ELEVATION

E010-SGH-E003-REV02



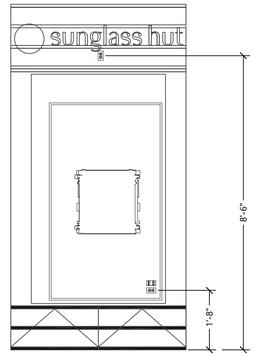
BX810-BUWS-ND	31" WALL UNIT	BX810-BUWS-ND

BX810-BUWS-ND-SGH-E004-REV02

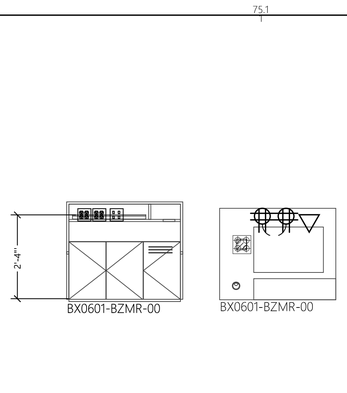


BX540-BUWS-ND	16" WALL UNIT	BX540-BUWS-ND

BX540-BUWS-ND-SGH-E004-REV02



DIG-0019P-00-LOC2 CX102672-03-00	85" MONITOR	DIG-0002P-01-LOC2



BX0601-BZMR-00	CASH DESK	BX0601-BZMR-00

BX0601-BZMR-00-SGH-E004-REV02

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△	08/03/2026 100% OWNER REVIEW	
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Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.:
RT2325-0350

EssilorLuxottica DD Set Layout No.:
5

EssilorLuxottica Project Number 102671

Brand Design Type:
SGHBX

ISSUED FOR:

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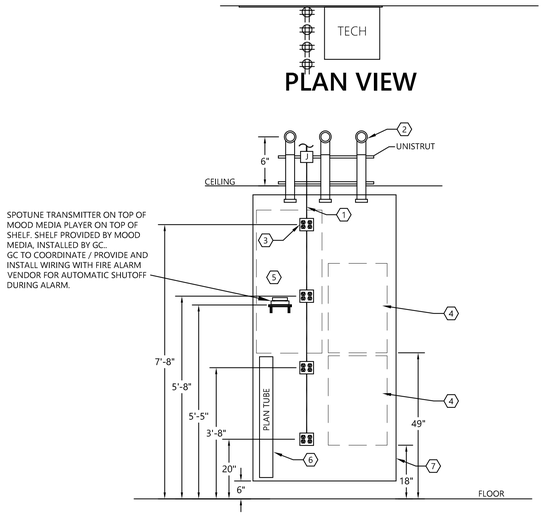
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ELECTRICAL DETAILS

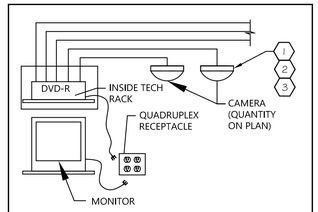
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Checked By M.G.

Sheet No.:
E004

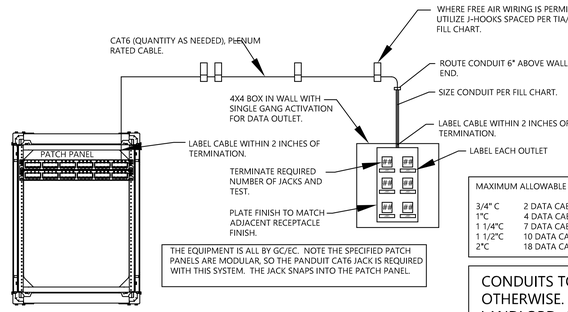
DETAIL NOTES

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 BACKPAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT
2. MINIMUM TWO 2-1/2" EMT CONDUITS FROM 15 INCHES BELOW CEILING, ABOVE TOP OF BOARD AS INDICATED FOR IT/TELECOM EQUIPMENT. EXTEND CONDUITS TO 24 INCHES ABOVE CEILING FOR CABLE PATHWAY. PROVIDE 90 DEGREE RADIUS SWEEPS ABOVE CEILING, 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 CEILING TO DEVICE LOCATIONS, LOCATED AT 30 INCH AND 60 INCH FROM TOP OF BACKBOARD, 6 INCHES FROM LEFT SIDE OF BACKBOARD, 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. INSTALL RACKS AT 18 INCHES AND 49 INCHES FROM FLOOR, AND 3 INCHES FROM THE LEFT EDGE OF THE BOARD. USE 2 INCH X ¾ INCH LAG BOLTS IN PROPER KEYHOLE MOUNTS WITH WASHER FOR MIN 40 LBS.
5. DEMARC AREA FOR TELCO AND BROADBAND PROVIDERS. RESERVED TOP OF BOARD AREA 22 INCHES BY 48 INCHES.
6. 36 INCH LONG X 6 INCH DIAMETER PVC TUBE FOR AS BUILT PLANS (BY GC). 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 B THE PROJECT MANAGER. SEE DETAIL 13 ON SHEET A401 FOR MORE INFORMATION.
7. 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.





1. EXTEND CABLE TO PROPOSED HEAD END EQUIPMENT LOCATION. AND TERMINATE IN PATCH PANEL.
2. FOR CAMERAS, PROVIDE WHITE PLENUM RATED 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.



THE EQUIPMENT IS ALL BY GC/EC. NOTE THE SPECIFIED PATCH PANELS ARE MODULAR, SO THE PANDUIT CAT6 JACK IS REQUIRED WITH THIS SYSTEM. THE JACK SNAPS INTO THE PATCH PANEL.

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

CONDUITS TO BE 3/4" UNLESS NOTED OTHERWISE. WHERE REQUIRED BY CODE, OR LANDLORD, ALL LOW VOLTAGE WIRING TO BE IN CONDUIT.

▽ PATCH PANEL "PPA" - 24 PORT (LOCATED AT TECH RACK)

POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION
1	PPA1	POS STATION #1 - CASH DESK	7	PPA7	SPACE FOR FUTURE	13	PPA13	SALES FIXT. DIG DISPLAY #1	19	PPA19	SPACE FOR FUTURE
2	PPA2	POS STATION #1 - CASH DESK	8	PPA8	SPACE FOR FUTURE	14	PPA14	SALES FIXT. DIG DISPLAY #1	20	PPA20	SPACE FOR FUTURE
3	PPA3	POS STATION #1 - CASH DESK	9	PPA9	SPACE FOR FUTURE	15	PPA15	SPACE FOR FUTURE	21	PPA21	SPACE FOR FUTURE
4	PPA4	POS STATION #1 - CASH DESK	10	PPA10	SPACE FOR FUTURE	16	PPA16	SPACE FOR FUTURE	22	PPA22	AI TABLE
5	PPA5	SPACE FOR FUTURE	11	PPA11	SPACE FOR FUTURE	17	PPA17	BACKWRAP MONITOR	23	PPA23	WIFI
6	PPA6	SPACE FOR FUTURE	12	PPA12	SPACE FOR FUTURE	18	PPA18	BACKWRAP MONITOR	24	PPA24	TRAFFIC COUNTER

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.

E068 WALL MOUNTED TECH RACK(TR)/COMM. BOARD ELEVATION

E068

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SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

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Architect / Engineer of Record

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Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number: 102671

Brand Design Type: SGHBX

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☒ 100% FINAL	☐ ADDENDUM
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Sheet Name: ELECTRICAL GENERAL NOTES & DETAILS

Date: 08/03/2026
Drawn By: BAS
Checked By: M.G.
Sheet No.: E003

B KEY NOTES - ELECTRICAL DEMOLITION PLAN

1. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ASSOCIATED CONTROLS THROUGHOUT THE SALES FLOOR.
2. DISCONNECT AND REMOVE EXISTING EXIT SIGN.
3. DISCONNECT AND REMOVE ALL EXISTING SPEAKERS IN THIS AREA.
4. DISCONNECT AND REMOVE ALL EXISTING SECURITY DEVICES IN THIS AREA.
5. DISCONNECT AND REMOVE EXISTING FLOOR BOXES IN THIS AREA AND PATCH FLOOR AS REQUIRED. SEE ARCHITECTURAL PLANS FOR CONCRETE POUR BACK DETAIL.
6. EXISTING BOH LIGHTING AND CONTROLS TO REMAIN.
7. NOT USED.
8. NOT USED.
9. NOT USED.
10. NOT USED.
11. EXISTING MECHANICAL EQUIPMENT CONNECTIONS SHALL REMAIN.

B-SGH-E100-REV01

INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

FIELD VERIFICATIONNOTE-SGH-E100-REV01

A 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 & IN THE EXISTING AREA AS REQUIRED.

D. IF NECESSARY, THE E.C. SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.

E. THE E.C. SHALL DISCONNECT & REMOVE ELECTRIC SERVICE TO ALL MECHANICAL EQUIPMENT BEING REMOVED AS A RESULT OF THE REMODELING (OR TENANT FIT OUT).

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.

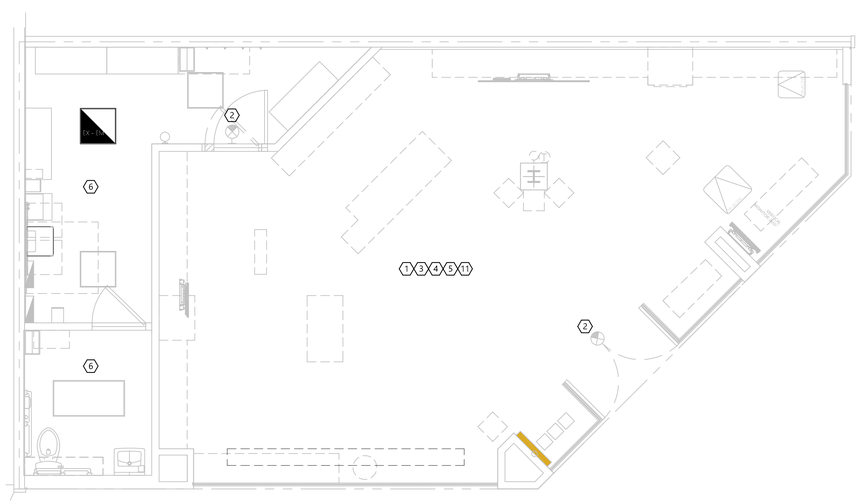
K. EXISTING MATERIALS SHALL BE TURNED OVER TO THE OWNER. IF NOT REQUIRED BY OWNER, THE E.C. SHALL REMOVE THESE MATERIALS FROM THE PREMISES.

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. X-RAY OF FLOOR IS REQUIRED PRIOR TO ANY SAW CUTTING OR TRENCHING. 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.

A-SGH-E100-REV01



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

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Sheet Name:

ELECTRICAL DEMOLITION PLAN

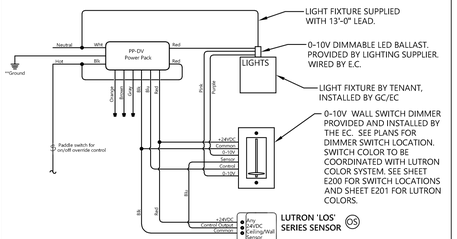
Date 08/03/2026
Drawn By BAS
Checked By M.G.
Sheet No.: E100

ENERGY CODE - COMMISSIONING

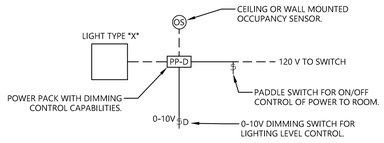
1. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE OFFICE AREA:
   - 1.1. OCCUPANCY SENSORS DETECT MOTION AND ENERGIZE THE LOCAL SWITCHING.
   - 1.2. OCCUPANCY SENSORS DE-ENERGIZE AFTER NO MOTION IS DETECTED AFTER A 30 MINUTE DELAY.
2. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE SALES AREA:
   - 2.1. SIGNS, PERIMETER SHELVING AND SALES FLOOR DISPLAY CABINETS ARE ENERGIZED AND DE-ENERGIZED WITH THE TIMER SWITCH OR CONTACTOR CONTROLLED BY TIMECLOCK.

E012 — ENERGY CODE - COMMISSIONING SMALL PROJECTS

E012-SGH-E200-REV01



MULTIPLE SENSOR, MULTIPLE POWER PACK (CONFIRM WITH CURRENT MANUFACTURER LITERATURE)



E002 — OCCUPANCY SENSOR SCHEMATICS

E002

E002-SGH-E200-REV02

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	SUPPLIER	MANUFACTURER	MODEL NUMBER	FINISH/COLOR	VOLTAGE	LAMP TYPE	LAMP QTY	FIXTURE WATTS	NOTES
/1	ISI SPOT TRACK BLACK, 15° HEAD ANGLE, LED 3000K Ra95 1970lm 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	97.001.=.3097.11-u	black	120	non-dimmable LED	1	18.3	1
/2	ISI SPOT TRACK BLACK, 24° HEAD ANGLE, LED 3000K Ra95 1970lm 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	97.001.=.3097.24-u	black	120	non-dimmable LED	1	18.3	1
/3	ISI SPOT TRACK BLACK, 36° HEAD ANGLE, LED 3000K Ra95 1970lm 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	97.001.=.3097.36-u	black	120	non-dimmable LED	1	18.3	1
/2	micro recessed ADJUSTABLE Fixture, 3000K Ra98 LED, REMOTE DIMMABLE POWER SUPPLY	Viabizzuno	Viabizzuno	V36.608.49.30.=.u	black	120	3000K Ra98 LED	1	16.8	
REM1	RECESSED EMERGENCY LIGHT	CAPITOL LIGHT	LIGHTALARMS	RPW - PSQ WITH REMOTE CONTROL TEST	WHITE	120/277	4 LED W/UNIT, 717 LUMENS AT 90 MIN	1	7	2
T-SPK	SPOTLITE TRACE SPEAKER	VIABIZZUNO	VIABIZZUNO	sport01s	BLACK	100-240	-	-	18	
/t	SPOTLITE STREAM TRANSMITTER	VIABIZZUNO	VIABIZZUNO	sport27s	BLACK	100-220	-	-	-	
t01	track VIAB 3'-120V 16A black, surface mounted total length 10'-0 1/3" (3080mm	Viabizzuno	Viabizzuno	V38	black	120		-		
t02	track VIAB 3'-120V 16A black, surface mounted total length 3'-4" (1015mm)	Viabizzuno	Viabizzuno	V38	black	120				
t03	track VIAB 3'-120V 16A black, surface mounted total length 6'-4" (1756mm)	Viabizzuno	Viabizzuno	V38	black	120				
t04	track VIAB 3'-120V 16A black, surface mounted total length 9'-8" (2930mm)	Viabizzuno	Viabizzuno	V38	black	120				
t05	track VIAB 3'-120V 16A black, surface mounted total length 17'-1" (5210mm)	Viabizzuno	Viabizzuno	V38	black	120				
t06	track VIAB 3'-120V 16A black, surface mounted total length 25'-1" (8475mm	Viabizzuno	Viabizzuno	V38	black	120				
t07	track VIAB 3'-120V 16A black, surface mounted total length 25' (7620mm	Viabizzuno	Viabizzuno	V38	black	120				
t08	track VIAB 3'-120V 16A black, surface mounted total length 20'-4" (6200mm)	Viabizzuno	Viabizzuno	V38	black	120				
X1RW	WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, CEILING MOUNTED, WITH BATTERY	CAPITOL LIGHT	LIGHTALARMS	SPLEDWARCD (WHITE)	WHITE	120/277	LED W/UNIT	1	3	2
w1	LUX.002.01.UL - minitraffic iai black 2x15" led 3000k Ra98 R9 98 2x18.6W 2x1950lm 120V, no dimmable power supply on board, frame included	Viabizzuno	Viabizzuno	LUX.002.01.UL	black	120	LED	2	37.2	1
w2	LUX.002.02.UL - minitraffic iai black 2x24" led 3000k Ra98 R9 98 2x18.6W 2x1950lm 120V, no dimmable power supply on board, frame included	Viabizzuno	Viabizzuno	LUX.002.02.UL	black	120	LED	2	37.2	1
w3	LUX.002.03.UL - minitraffic iai black 2x31" led 3000k Ra98 R9 98 2x18.6W 2x1950lm 120V, no dimmable power supply on board, frame included	Viabizzuno	Viabizzuno	LUX.002.03.UL	black	120	LED	2	37.2	1
CONTROLS AND LIMITERS										
CLP-#A	TRACK CURRENT LIMITER PANEL. THE "#" INDICATES THE AMPACITY OF THE CURRENT LIMITER. SEE PLANS.	GC	ACUITY/SLVER BULLET	TTAM-1077UL #6SP-4AM-etc-SM	STANDARD	120			N/A	3
COS	CEILING OCCUPANCY SENSOR	GC	SENSORSWITCH	CM-PDT-10	SEE CHART ON E201 LC09 ELEC./ DATA FACEPLATE COLOR SCHEDULE					
OS	WALLOCCUPANCY SENSOR	GC	LUTRON	MS-A102	SEE CHART ON E201 LC09 ELEC./ DATA FACEPLATE COLOR SCHEDULE					
D	DIMMER	GC	LUTRON	MA-PRO	SEE CHART ON E201 LC09 ELEC./ DATA FACEPLATE COLOR SCHEDULE					
NOTES:										
2.	GC TO PAINT FIXTURE HOUSING (EXCEPT LIGHT SOURCE) TO MATCH ADJACENT CEILING FINISH. SEE ARCHITECTURAL SHEETS FOR WALL/CEILING COLORS									
3.	PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.									

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.

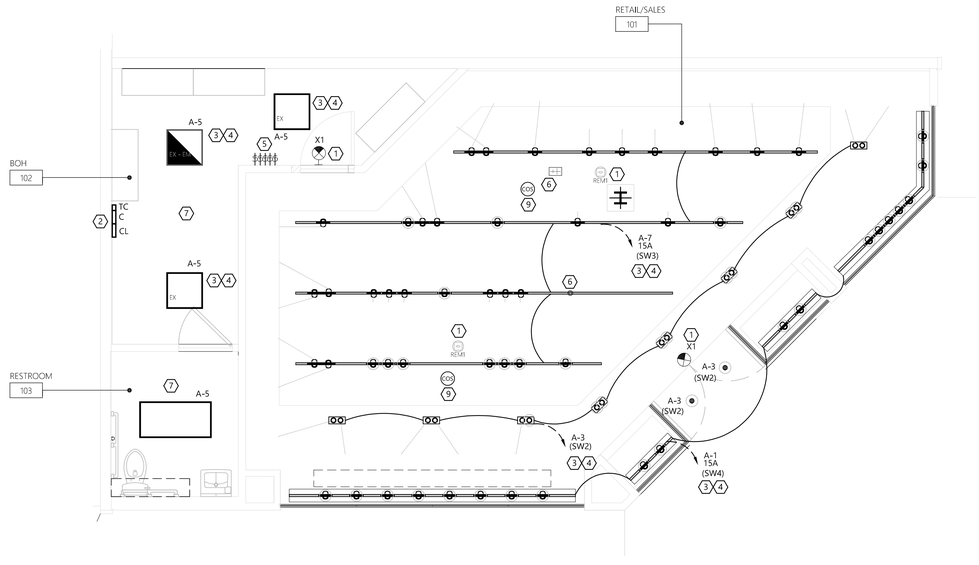
JUNCTION BOX NOTE-SGH-E200-REV01

INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

FIELD VERIFICATIONNOTE-SGH-E200-REV01

NOTE: 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.

SECURITY CAMERA NOTE-SGH-E200-REV01



1 ELECTRICAL - LIGHTING

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

A — GENERAL NOTES

A. EMERGENCY LUMINAIRES THAT ARE NOT WIRED TO A CENTRAL INVERTER SYSTEM SHALL BE CIRCUITED WITH AN "UNSWITCHED HOT" TO PROVIDE CONTINUOUS POWER TO BATTERY PACK EVEN WHEN LUMINAIRE IS OFF.

B. 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.

C. 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.

D. 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.

E. IN THE CASE OF EXISTING LIGHT FIXTURES TO REMAIN, E.C. SHALL RELAMP ALL FIXTURES PRIOR TO STORE OPENING BUT NOT DURING HEAVY CONSTRUCTION PERIOD.

F. 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.

G. 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.

H. 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 ADJUST ABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM PLAN (LINE SHOWN DASHED FROM TRACK HEAD FIXTURE).

I. EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES.

J. E.C. SHALL MAKE ALL FINAL CONNECTIONS AS REQUIRED FOR A FULLY COMPLETE AND OPERABLE SYSTEM. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

K. REPLACE EXISTING EMERGENCY BATTERY PACKS PRIOR TO TURN OVER.

L. 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.

A-SGH-E200-REV01

B — KEY NOTES - ELECTRICAL LIGHTING PLAN

1. ROUTE UNSWITCHED CONNECTION TO EXIT SIGNS AND WHERE FIXTURES ARE SWITCHED, ROUTE ADDITIONAL POWER FROM THE SAME CIRCUIT AHEAD OF ALL SWITCHING FOR POWER LOSS SENSING.
2. NEW CURRENT LIMITER PANEL CLP. MOUNT AT APPROXIMATELY 8'-0" AFF.
3. ROUTE CIRCUIT THROUGH NEW TIMECLOCK.
4. ROUTE TO THROUGH NEW SWITCH BANK.
5. NEW LIGHTING SWITCH BANK. SEE DETAIL E033 ON SHEET E201. IF LOCATION IS UNDESIRABLE, FIELD VERIFY EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH-IN.
6. INSTALL OWNER FURNISHED AUDIO SYSTEM INCLUDING CABLE, TRANSMITTERS, 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. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE SOUND SYSTEM VENDOR. COORDINATE WORK WITH THE VENDOR PRIOR TO LIGHTING TRACK INSTALLATION. SEE DETAIL E068 ON SHEET E003.
7. LIGHTING AND CONTROLS WITHIN AREA SHALL BE EXISTING TO REMAIN.
8. NOT USED.
9. NEW OCCUPANCY SENSOR SWITCH.

B-SGH-E200-REV01

DESIGN & CONSTRUCTION MANAGEMENT:

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Architect / Engineer of Record

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Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: **5**

EssilorLuxottica Project Number: 102671

Brand Design Type:

SGHBX

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Sheet Name: ELECTRICAL LIGHTING PLAN

Date: 08/03/2026
Drawn By: BAS
Checked By: M.G.

Sheet No.: E200

A COORDINATION NOTES

C01. DO NOT ROUGH IN ANY RECEPTACLES OR DATA OUTLETS ON THE SALES FLOOR WITHOUT FIRST CONFIRMING EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER.

C02. DO NOT PURCHASE FLOOR BOXES WITHOUT FIRST VERIFYING FINISH (FROM MANUFACTURER'S STANDARD) FOR A PARTICULAR BOX IN A PARTICULAR LOCATION.
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.

A-SGH-E201-REV01

B NOTE

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.

INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

B-SGH-E201-REV01

C 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.

C-SGH-E201-REV01

D KEY NOTES - ELECTRICAL POWER/SYSTEMS PLAN

1. POWER NEW CASHWRAP THRU FLOOR. CONDUITS TO BE ONE 1" FOR POWER AND THREE 1-1/4" FOR COMMUNICATIONS. PROVIDE NEW CAT6 CABLING AND ROUTE TO NEW TECH RACK LOCATION. SEE DETAIL BX0601-BZMR-00 ON SHEET E004 FOR CASH DESK DETAILS AND E068 ON SHEET E003 FOR TECH RACK DETAILS.
2. ROUTE CIRCUIT THROUGH SWITCH BANK. SEE DETAIL E033 ON THIS SHEET.
3. NEW TIME CLOCK. SEE DETAIL E033 ON THIS SHEET.
4. CONNECT TO NEW CIRCUIT BREAKER IN PANEL 'A'. PROVIDE NEW BREAKERS FOR MECHANICAL EQUIPMENT AS SHOWN IN PANEL SCHEDULE.
5. POWER FOR FRAME WARMER. COORDINATE FINAL REQUIREMENTS WITH VENDOR.
6. PROVIDE TECH RACKS AND SUPPORTING EQUIPMENT. SEE DETAIL E068 ON SHEET E003.
7. EXISTING POWER IN RESTROOM SHALL REMAIN.
8. NOT USED.
9. PROVIDE TRENCHING (AS APPLICABLE) FOR POWER AND TELE/DATA. FLOOR X-RAY REQUIRED PRIOR TO ANY CUTTING OR TRENCHING. E.C. SHALL VERIFY ALL TRENCHING REQUIREMENTS WITH THE LANDLORD PRIOR TO THE START OF WORK. PROVIDE DEVICES AND DEVICE QUANTITIES AS SPECIFIED ON PLANS. E.C. SHALL COORDINATE INSTALLATION AND CONNECTION REQUIREMENTS WITH FURNITURE MANUFACTURER REPRESENTATIVE.
10. NOT USED
11. EC 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. PROVIDE DUPLEX RECEPTACLE LOCATED NEAR ACCESS PANEL TO SERVE TRAFFIC COUNTER. SEE ARCHITECTURAL PLANS FOR LOCATION
12. NEW JUNCTION BOX LOCATION FOR CONNECTION TO EXTERIOR STORE SIGNAGE.
13. NEW CONTACTOR PANEL LOCATION. SEE DETAIL E033 ON THIS SHEET.
14. EC SHALL PROVIDE DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO WIFI (BY OTHERS). PROVIDE MINIMUM 6 FT COILED CABLING AT BOTH ENDS.
15. PROVIDE NEW DUCTWORK SMOKE DETECTOR IN NEW SUPPLY AND RETURN RETURN DUCTWORK. VERIFY EXACT LOCATION IN THE FIELD.
16. RECEPTACLES TO HAVE INTEGRATED USB/ USB-C OUTLETS. SEE DETAIL E010 ON SHEET E004.

D-SGH-E201-REV01

BOX CALL OUT ON PLANS	
FLOOR BOX	POKE THRU
	WIREMOLD EVOLUTION 6AT SERIES POKE THRU
SYSTEMONE FLOOR BOX HUBBELL CFBS1R4PFB W/CUP	
SYSTEMONE SUB-PLATE S1R4SP2X2DUPLEX	TWO DUPLEX RECEPTACLES AND ONE DATA OUTLET
CFBS1R4CVRALU (CARPET)	6CTC2AL (CARPET) / 6CT2AL (TILE)

E008 FLOOR BOX SCHEDULE

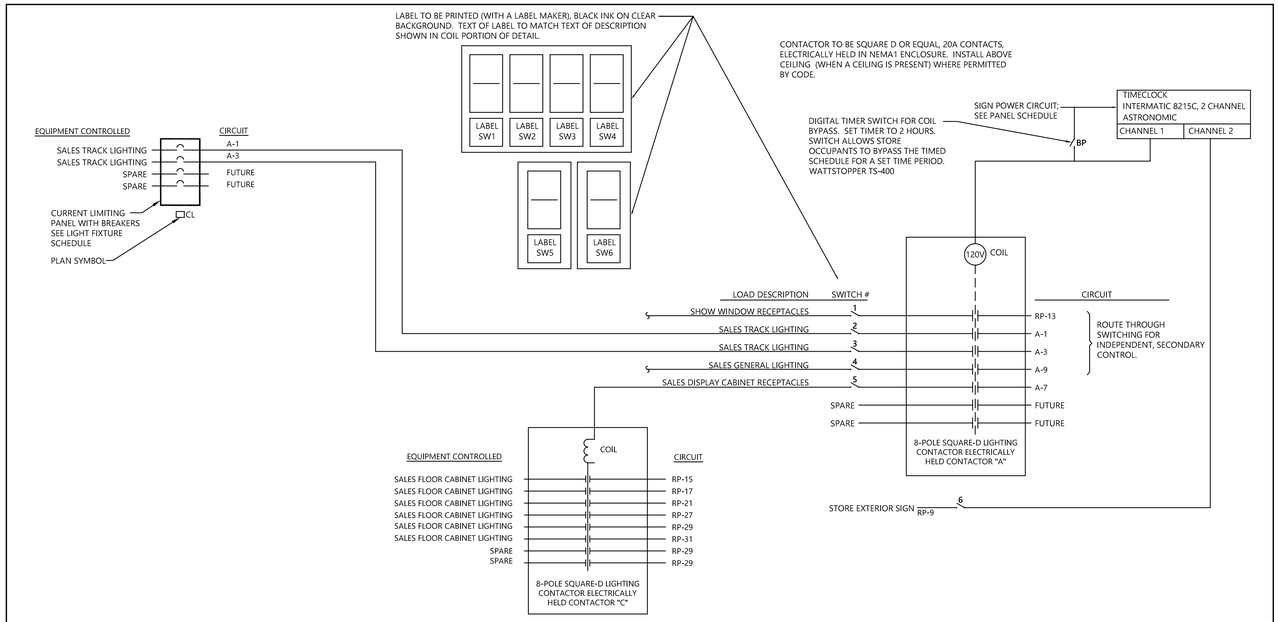
E008-SGH-E201-REV01

SGH ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE			
WALL FINISH	LUTRON DEVICE COLOR	WALL FINISH	LUTRON DEVICE COLOR
P-53	BRILLIANT WHITE (BW)	WC-60	---
P-57	LIGHT ALMOND (LA)	WC-61	---
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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.

COLOR SCHEDULE-SGH-E201-REV01



E033 SWITCH BANK AND ASSOCIATED CONTACTORS, PHOTOSWITCH WHEN EXTERIOR CONTROL IS REQUIRED E033

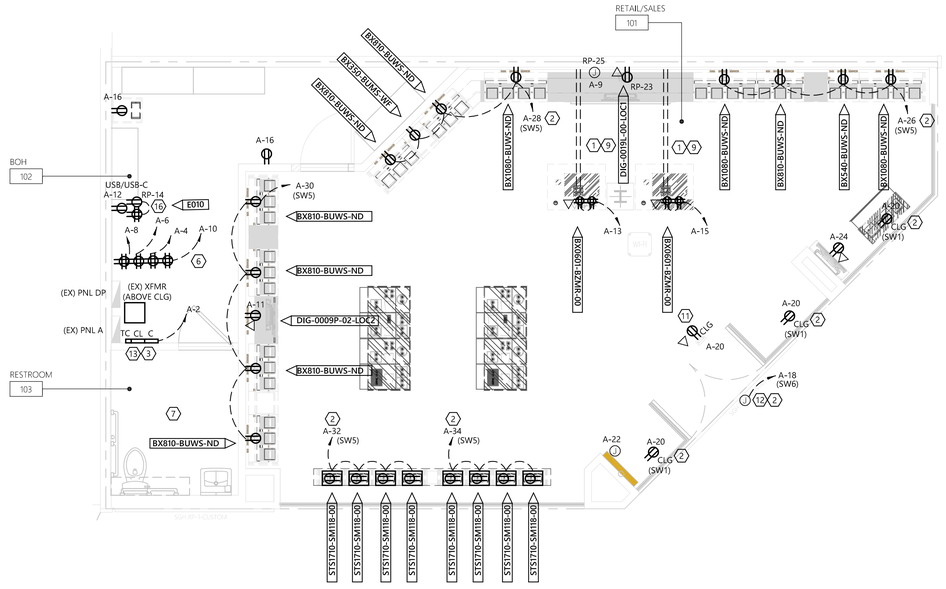
E033-SGH-E201-REV02

NOTE: ALL TRENCHED CONDUIT TO BE 3/4" UNLESS NOTED OTHERWISE.

TRENCHED CONDUIT NOTE-SGH-E201-REV01

NOTE: ROUTE ALL CAT6 WIRING TO TECH RACK UNLESS NOTED OTHERWISE.

DATA WIRE NOTE-SGH-E201-REV01



1 ELECTRICAL - POWER/SYSTEMS
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 4474
FREEHOLD RACEWAY MALL
3710 ROUTE 9 S
SUITE: SPC F228
FREEHOLD, NJ 07728

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	08/03/2026 100% OWNER REVIEW	
△	08/17/2026 100% CDs	
△		
△		
△		
△		
△		

Architect / Engineer of Record

NORR

Seal

NOT FOR BID OR CONSTRUCTION

Architect / Engineer Job No.: RT2325-0350

EssilorLuxottica DD Set Layout No.: 5

EssilorLuxottica Project Number 102671

Brand Design Type: SGHBX

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

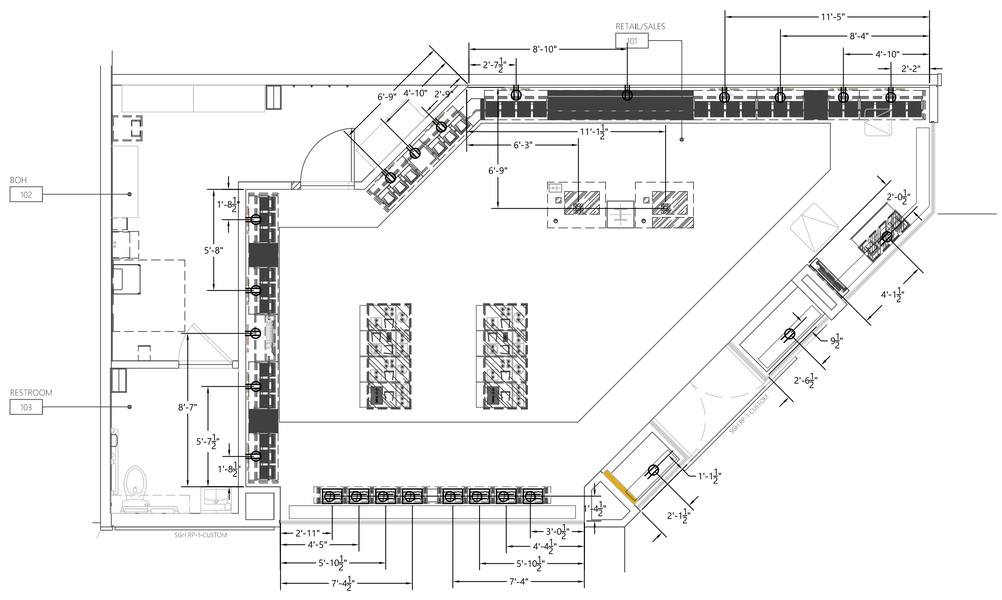
Sheet Name: ELECTRICAL POWER/SYSTEMS PLAN

Date 08/03/2026
Drawn By BAS
Checked By M.G.
Sheet No.: E201

A GENERAL NOTES - ELECTRICAL DIMENSION

A. 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.
B. VERIFY ALL MONITOR LOCATIONS AND EXACT HEIGHT REQUIREMENTS FOR THE ELECTRICAL DEVICES.
C. HEIGHTS LISTED ARE TO CENTER OF BOX.
D. SEE ARCHITECTURAL PLANS TO COORDINATE DEVICE HEIGHTS FOR ALL CASEWORK.
E. HAND DRYERS: VERIFY FINAL MOUNTING HEIGHT WITH ARCHITECTURAL PLANS AND MANUFACTURER RECOMMENDATIONS.
F. ELECTRICAL WATER COOLER: VERIFY FINAL MOUNTING LOCATION WITH THE PLUMBING CONTRACTOR.
G. DATA OUTLETS TO BE LOCATED ADJACENT TO RECEPTACLE.
H. VERIFY ALL DIGITAL MONITOR LOCATIONS PRIOR TO ROUGH-IN OF MONITOR DEVICES.
I. IF MOUNTING HEIGHT FOR RECEPTACLE IS NOT EXPLICITLY NOTED, RECEPTACLE CAN BE ASSUMED TO BE MOUNTED AT 18".

A-SGH-E202-REV01



1 ELECTRICAL - DIMENSION PLAN
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:
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Sheet Name: ELECTRICAL DIMENSION PLAN

Date: 08/03/2026
Drawn By: BAS
Checked By: MG
Sheet No.: E202