

FIELD VERIFICATION REQUIREMENT:

TENANT, TENANT'S DESIGN TEAM, AND TENANT'S CONTRACTORS SHALL FIELD VERIFY ALL FIELD CONDITIONS PRIOR TO THE START OF ANY CONSTRUCTION. BE ADVISED THAT ALL CHANGES AND MODIFICATION TO THE LANDLORD'S APPROVED DRAWINGS SHALL BE RESUBMITTED TO LANDLORD FOR RE-APPROVAL. ANY CONSTRUCTION COMPLETED WITH OUT LANDLORD APPROVAL SHALL BE CORRECTED AS APPROVED BY LANDLORD AT TENANT'S EXPENSE.

SIMON GENERAL COMMENTS:

•PLANS REVIEWED AND APPROVED BY LANDLORD'S TENANT COORDINATOR MUST BE PRESENT ON THE JOB SITE AND BE ACCOMPANIED BY PLANS APPROVED FOR BUILDING PERMIT. ANY PROPOSED DEVIATION FROM THE LANDLORD APPROVED PLANS MUST BE NUMBERED AND CLOUDED ON THE PLANS, AND THEN RESUBMITTED BY THE TENANT TO THE LANDLORD FOR RE-APPROVAL
PRIOR TO ANY CONSTRUCTION CHANGES TAKING PLACE IN THE FIELD.

•TENANT'S GC IS REQUIRED TO CHECK IN WITH LANDLORD'S ON SITE PROPERTY MANAGER PRIOR TO THE START OF TENANT CONSTRUCTION. CONTACT MALL MANAGEMENT OFFICE.
•CONTACT PROPERTY MANAGEMENT FOR CONSTRUCTION BARRICADE REQUIREMENTS, INCLUDING BARRICADE GRAPHICS.
•TENANT'S GC IS RESPONSIBLE TO COMPLY WITH ALL MALL RULES AND REGULATIONS AND AS INSTRUCTED ON SITE BY MALL MANAGEMENT.
•ANY DAMAGE TO LANDLORD'S PROPERTY DURING TENANT DEMOLITION OR CONSTRUCTION (MALL FLOORING, BULKHEAD, NEUTRAL PIERS, ETC.) WILL BE REPAIRED PER MALL SPECIFICATIONS, AT TENANT'S EXPENSE.
•ANY LANDLORD EQUIPMENT, COMPONENT, AND / OR SERVICE FEEDING OTHER TENANT(S) THAT IS EXISTING IN THE SPACE MUST REMAIN VISIBLE AND ACCESSIBLE TO THE LANDLORD. TENANT SHALL INSTALL ACCESS PANELS AS REQUIRED TO MAINTAIN ACCESS. ACCESS PANELS SHALL BE LABELED TO PROPERLY IDENTIFY SYSTEM. COORDINATE WITH MALL OPERATIONS.
•ALL LANDLORD COMMENTS FROM PREVIOUS REVIEW(S) ARE TO BE INCORPORATED INTO THE FINAL SET OF APPROVED DRAWINGS AND ARE TO BE ADHERED TO IN THE FIELD.
•ALL LANDLORD COMMENTS ON THIS SET OF DRAWINGS SHALL APPLY TO THE ENTIRE DOCUMENT SET, EVEN IF NOT REPEATED ON EVERY SHEET IN DRAWING SET.

•THE RE-USE OF ANY EXISTING CONSTRUCTION, FINISHES, EQUIPMENT, OR ELECTRICAL, PLUMBING OR HVAC SYSTEMS CURRENTLY IN THE SPACE IS CONDITIONAL UPON IT BEING APPROPRIATE FOR RE-USE. ANY EXISTING CONDITION OR EQUIPMENT TO BE RE-USED MUST BE RESTORED TO LIKE NEW CONDITIONS. THE LANDLORD MAKES NO WARRANTY ON THE RE-USE OF ANY EXISTING CONDITION IN THE SPACE.

•IF AT ANY POINT A FAILURE, UPGRADES, AND / OR IMPROVEMENTS TO EXISTING SYSTEMS OCCUR, IT IS THE SOLE RESPONSIBILITY OF THE TENANT TO REPAIR OR REPLACE, AT TENANT EXPENSE.
•LANDLORD AND TENANT RESPONSIBILITIES ARE AS DEFINED IN LEASE AGREEMENT.
•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

DEMOLITION COMMENTS:

•ANY EXISTING EQUIPMENT OR COMPONENT IN OR PERTAINING TO THE PREMISES THAT IS BEING ABANDONED MUST BE DEMOLISHED COMPLETELY AND PROPERLY REMOVED FROM PREMISES.
•ALL ABOVE GROUND UTILITY LINES NOT TO BE RE-USED MUST BE REMOVED TO POINT OF ORIGIN. ALL UNDER SLAB UTILITY LINES TO BE CUT, CAPPED AND SEALED PER CODE.
•ALL ROOF MOUNTED EQUIPMENT ABOVE THE LEASED PREMISES NOT TO BE RE-USED MUST BE REMOVED BY TENANT GC AT TENANT EXPENSE. ROOF MUST BE PROPERLY PATCHED BY MALL REQUIRED ROOFER. ROOF CURBS MUST BE REMOVED AND ROOF PATCHED – DO NOT CAP. COORDINATE ALL WORK WITH MALL OPERATIONS DIRECTOR.

•SLAB REQUIREMENTS:
SLAB ON GRADE: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATION TEAM PRIOR TO ANY SLAB MODIFICATIONS OR REMOVAL. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION.

(NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.

ELEVATED SLABS: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATIONS TEAM PRIOR TO ANY SLAB MODIFICATION OR REMOVAL. IF ANY ELEVATED SLAB IS TO BE MODIFIED IN ANYWAY (DRILLED, CORED, OR PENETRATED), TENANT SHALL PROVIDE STAMPED AND CERTIFIED DRAWINGS BY A LICENSED STRUCTURAL ENGINEER CERTIFIED IN THE LOCAL JURISDICTION. ALL PENETRATIONS SHALL BE CORE BORED

ONLY. SAW CUTTING, JACK HAMMERING, AND TRENCHING IS STRICTLY PROHIBITED. ALL PENETRATIONS SHALL BE SLEEVED, SEALED, FIRE STOPPED, AND WATERPROOFED. THE PENETRATION SLEEVE SHALL EXTEND A MINIMUM OF 4" ON EITHER SIDE OF THE SLAB AND BE LABELED WITH THE REQUIRED NFPA RATING. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION. (NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.

SIMON FLOOR PLAN COMMENTS:

•TENANT IS RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE SPACE. FAILURE TO PROPERLY FIELD VERIFY EXISTING CONDITIONS DOES NOT RELIEVE THE TENANT OF ANY EXPENSES OR RESPONSIBILITIES RESULTING FROM THAT FAILURE.

•NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM, OR PENETRATE LANDLORD'S STRUCTURE, FLOOR DECK, OR ROOF DECK. YOU MAY ATTACH, NON-DESTRUCTIVELY, TO OR SUSPEND FROM THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS ABOVE THE TENANT SPACE. WHEN ATTACHING TO LANDLORD'S STRUCTURE, DO NOT DRILL, WELD, SCREW, OR SHOOT INTO STRUCTURE. ALTERNATIVE METHODS OF ATTACHMENT ONLY, NOTHING TO DAMAGE LANDLORD'S BASE BUILDING STRUCTURE. TENANT SHALL PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS, BY A STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION AS INDICATED BY ALL JURISDICTIONAL REQUIREMENTS, FOR ALL STRUCTURAL MODIFICATIONS FOR LANDLORD RECORDS.

•STRUCTURAL REINFORCING DETAILS MUST BE PROVIDED BY A REGISTERED STRUCTURAL ENGINEER TO TENANT COORDINATION FOR EQUIPMENT SUPPORT OR SUSPENSION, SERVICE PLATFORMS, DECK PENETRATIONS, ETC.
•ANY LANDLORD EQUIPMENT, COMPONENT, AND / OR SERVICE FEEDING OTHER TENANT(S) THAT IS EXISTING IN THE SPACE MUST REMAIN VISIBLE AND ACCESSIBLE TO THE LANDLORD. TENANT SHALL INSTALL ACCESS PANELS AS REQUIRED TO MAINTAIN ACCESS. ACCESS PANELS SHALL BE LABEL TO PROPERLY IDENTIFY SYSTEM, COORDINATE WITH MALL OPERATIONS.
•TENANT'S STOCKROOM MAY NOT BE VISIBLE FROM THE SALES AREA. DOOR(S) LEADING TO THE STOCKROOM MUST HAVE AN AUTOMATIC CLOSURE.
•ALL REAR ENTRIES MUST HAVE A DOORBELL FOR DELIVERIES.
•ALL CONCRETE PATCHING MUST BE LEVEL WITH THE EXISTING CONCRETE FLOOR.
•TENANT IS REQUIRED TO INSTALL A WATERPROOF MEMBRANE IN ALL WET AREAS (RESTROOMS, KITCHENS, FOOD SERVICES, ETC.,) OF THE SPACE. TENANT SHALL USE A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE (EQUAL TO NOBLESEAL TS) INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND ANSI A108. MEMBRANE MUST BE EXTENDED UP THE WALL A MINIMUM OF 4" OR EQUAL TO THE HEIGHT OF THE FLOOR BASE.

FINISH PLAN COMMENTS:

•TENANT SHALL PROVIDE A FINISH SAMPLE BOARD OR SIMILAR TO THE LANDLORD FOR APPROVAL.
•ALL FLOORING TRANSITIONS MUST BE SMOOTH AND FLUSH. THE USE OF PLASTIC, VINYL, OR RUBBER TRANSITIONS STRIPS IS STRICTLY PROHIBITED. TENANTS MUST UTILIZE A HARD SURFACE TRANSITION.

•TENANT IS REQUIRED TO INSTALL A WATERPROOF MEMBRANE IN ALL WET AREAS (RESTROOMS, KITCHENS, FOOD SERVICES, ETC.,) OF THE SPACE. TENANT SHALL USE A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE (EQUAL TO NOBLESEAL TS) INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND ANSI A108. MEMBRANE MUST BE EXTENDED UP THE WALL A MINIMUM OF 6" OR EQUAL TO THE HEIGHT OF THE FLOOR BASE.
•NO RUBBER OR VINYL BASE IS PERMITTED IN THE SALES AREA OF THE PREMISES.

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•ANY LANDLORD EQUIPMENT, COMPONENT, AND / OR SERVICE FEEDING OTHER TENANT(S) THAT IS EXISTING IN THE SPACE MUST REMAIN VISIBLE AND ACCESSIBLE TO THE LANDLORD. TENANT SHALL INSTALL ACCESS PANELS AS REQUIRED TO MAINTAIN ACCESS. ACCESS PANELS SHALL BE LABEL TO PROPERLY IDENTIFY SYSTEM, COORDINATE WITH MALL OPERATIONS.

•SIMON REQUIRES ALL TENANTS TO USE LANDLORD'S REQUIRED CONTRACTOR FOR ALL SPRINKLER WORK. REFER TO SPRINKLER COMMENTS FOR FURTHER REQUIREMENTS.

REFLECTED CEILING PLAN COMMENTS:
•IF NOT ALREADY EXISTING, TENANT MUST PROVIDE A SEALED PARTITION ABOVE THE STOREFRONT TO SEPARATE THE COMMON AREA CEILING FROM THE TENANT'S SPACE. (SHALL BE RATED IF REQUIRED BY CODE AND ALL PENETRATION SHALL COMPLY AND BE LABELED WITH THE REQUIRED NFPA RATING.)
•NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM, OR PENETRATE LANDLORD'S STRUCTURE, FLOOR DECK, OR ROOF DECK. YOU MAY ATTACH, NON-DESTRUCTIVELY, TO OR SUSPEND FROM THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS ABOVE THE TENANT SPACE. WHEN ATTACHING TO LANDLORD'S STRUCTURE, DO NOT DRILL, WELD, SCREW, OR SHOOT INTO STRUCTURE. ALTERNATIVE METHODS OF ATTACHMENT ONLY, NOTHING TO DAMAGE LANDLORD'S BASE BUILDING STRUCTURE. TENANT SHALL PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS, BY A STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION AS INDICATED BY ALL JURISDICTIONAL REQUIREMENTS, FOR ALL STRUCTURAL MODIFICATIONS FOR LANDLORD RECORDS.

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DISPLAY FIXTURES, RACKS, SHELVING, AND STORAGE UNIT REQUIREMENTS:

•TENANT SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND USE OF ANY DISPLAY OR STORAGE SYSTEM(S) WITHIN THE PREMISE INCLUDING ALL COMPLIANCE WITH APPLICABLE BUILDING CODES, FIRE CODES AND THE REQUIREMENTS OF ANY INSURANCE RATING BUREAUS. IF

ANYTHING DONE, OMITTED TO BE DONE OR SUFFERED TO BE DONE BY TENANT IN, UPON OR ABOUT THE PREMISES IN REGARD TO SUCH DISPLAY OR STORAGE SYSTEM(S) SHALL RESULT IN A FIRE CODE VIOLATION(S) AND THE TENANT FAILS TO TAKE CORRECTIVE ACTION AND / OR PAY THE ASSOCIATED FINE, REGARDLESS OF WHETHER ASSESSED AGAINST TENANT OR LANDLORD, WITHIN THE PRESCRIBED TIME PERIOD, THEN TENANT SHALL BE LIABLE FOR ALL COSTS AND EXPENSES RESULTING FROM SUCH VIOLATION(S) AND LANDLORD SHALL HAVE THE RIGHT TO CORRECT ANY SUCH CONDITION(S) AT TENANT'S EXPENSE.

•TENANT DISPLAY FIXTURES IN THE RETAIL SPACE AND RACK / SHELVING / STORAGE UNITS IN THE STOCKROOM SHALL BE DESIGNED TO PROVIDE ADEQUATE CLEARANCE FOR THE AUTOMATIC (FIRE) SPRINKLER SYSTEM. NO DISPLAYS OR STORAGE SHOULD EXCEED 12FT AND CEILINGS MUST BE INSTALLED TO PROVIDE A MINIMUM OF 18" OF CLEARANCE BETWEEN THE TOP OF THE STORAGE SYSTEM AND SPRINKLER DEFLECTORS.

•TENANT DISPLAYS OR STORAGE HIGHER THAN 12'-0" ARE CLASSIFIED AS "HIGH PILED STORAGE" WHICH REQUIRES HIGH HAZARDOUS AUTOMATIC (FIRE) SPRINKLER PROTECTION DESIGNED PER FM GLOBAL LOSS PREVENTION DATA SHEET AND NFPA REQUIREMENTS FOR THE STORAGE OF "GROUP A PLASTIC" COMMODITIES. HIGH PILED STORAGE ALSO REQUIRES A MINIMUM OF 36" OF CLEARANCE BETWEEN THE TOP OF STORAGE AND SPRINKLER DEFLECTORS.

•TENANT MOBILE / COMPACT STORAGE SYSTEMS SHALL BE CONSTRUCTED OF WIRE MESH SHELVES. HOWEVER, IF CONSTRUCTED WITH SOLID SHELVES (WOOD OR STEEL), THE UNITS SHALL BE INSTALLED WITH A MINIMUM OF A 3" SPACER TO PROVIDE SPACE BETWEEN UNITS AT MAXIMUM 5'-0" INTERVALS.

•TENANT'S ARCHITECT AND GENERAL CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE MALL REQUIRED SPRINKLER CONTRACTOR REGARDING STOCK / STORAGE AREA:

1. TYPE OF STORAGE SYSTEM(S). (INCLUDING DETAILS OF THE STORAGE SYSTEM(S)).
2. TYPE OF SHELVING, (WIRE MESH / SOLID WOOD / SOLID STEEL, ETC.)
3. TYPE OF COMMODITIES, (PLASTICS, AEROSOL'S, CLOTHING, ETC)
4. ELEVATION OF HIGHEST SHELF / CEILING HEIGHT.

•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

ELECTRICAL COMMENTS:

•TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRICAL SERVICE. ANY/ ALL MODIFICATIONS OR UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL, AND WILL BE COMPLETED BY TENANT/ TENANT'S GC, AT TENANT'S SOLE EXPENSE.

•EMT (ELECTRIC METALLIC TUBING) SHALL BE USED IN ALL DEMISING WALLS, HOME RUNS, AND BETWEEN J-BOXES AND PULL BOXES. MC CABLE MAY BE USED IN OTHER APPLICATION AS ALLOWED BY THE AUTHORITY HAVING JURISDICTION (AHJ), ALL EXPOSED CONDUIT, RIGID OR MC CABLE, SHALL BE INSTALLED IN TIGHT STRAIGHT LINES, PARALLEL OR IN RIGHT ANGLES TO THE BUILDING STRUCTURE. DO NOT LOOP EXCESS MC CABLE IN CEILING SPACE OR WALL CAVITY.
•ALL FEEDERS SHALL BE COPPER, TYPE AC AND NM (ROMEX) CABLES ARE NOT ACCEPTABLE.

•ALL PANELS SHALL BE UL LABELED WITH BOLT ON TYPE CIRCUIT BREAKERS. PANELS SHALL NOT BE RECESSED IN DEMISING AND SHALL BE MOUNTED ON PLYWOOD BACKER PANELS UNLESS RECESSED INTO A FURRED OUT OR INTERIOR WALL.
•PANEL PHASE LOADS TO BE BALANCED WITHIN 10%.

•ONLY 30 KVA AND SMALLER TRANSFORMERS MAY BE SUSPENDED FROM BUILDING STRUCTURE. ALL OTHER TRANSFORMERS MUST BE FLOOR SUPPORTED. STRUCTURAL SUPPORT DOCUMENTATION SHALL BE REQUIRED TO MEET AUTHORITIES HAVING JURISDICTION (AHJ).

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•DAY, 24 HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES
AND STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN LIT DURING ALL MALL BUSINESS HOURS.
•ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN COMPLIANCE WITH NEC AND UL REQUIREMENTS.

•SLAB REQUIREMENTS:
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LL NOTES

CERTIFIED IN THE LOCAL JURISDICTION. ALL PENETRATIONS SHALL BE CORE BORED ONLY. SAW CUTTING, JACK HAMMERING, AND TRENCHING IS STRICTLY PROHIBITED. ALL PENETRATIONS SHALL BE SLEEVED, SEALED, FIRE STOPPED, AND WATERPROOFED. THE PENETRATION SLEEVE SHALL EXTEND A MINIMUM OF 4" ON EITHER SIDE OF THE SLAB AND BE LABELED WITH THE REQUIRED NFPA RATING. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION. (NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.
•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

MECHANICAL COMMENTS:

•ANY CHANGES AND/ OR UPGRADES TO TENANT'S EXISTING MECHANICAL SYSTEMS SHALL COMPLY WITH ALL CODES AND MALL CRITERIA. EXISTING SYSTEMS SHALL POSSESS THE CAPACITY TO HANDLE ANY AND ALL CHANGES IN LOAD.
•NO PITCH POCKETS ARE PERMITTED ON THE ROOF FOR ANY CONDENSATE DRAINS, REFRIGERANT PIPING, POWER OR CONTROL WIRING. ALL CONNECTIONS ARE TO BE MADE INSIDE THE EQUIPMENT CURB OR THROUGH PRE-MANUFACTURED PIPING CURB.

•NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM, OR PENETRATE LANDLORD'S STRUCTURE, FLOOR DECK, OR ROOF DECK. YOU MAY ATTACH, NON-DESTRUCTIVELY, TO OR SUSPEND FROM THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS ABOVE THE TENANT SPACE. WHEN ATTACHING TO LANDLORD'S STRUCTURE, DO NOT DRILL, WELD, SCREW, OR SHOOT INTO STRUCTURE. ALTERNATIVE METHODS OF ATTACHMENT ONLY, NOTHING TO DAMAGE LANDLORD'S BASE BUILDING STRUCTURE. TENANT SHALL PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS, BY A STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION AS INDICATED BY ALL JURISDICTIONAL REQUIREMENTS, FOR ALL STRUCTURAL MODIFICATIONS FOR LANDLORD RECORDS.

•ALL PENETRATIONS TO ROOF MUST BE APPROVED BY LANDLORD. ALL RELATED ROOF WORK MUST BE DONE BY MALL'S DESIGNATED ROOFING CONTRACTOR, AT TENANT'S EXPENSE. COORDINATE ALL WORK WITH PROPERTY MANAGEMENT ON SITE.
•TENANT MUST REMOVE ALL ABANDONED ROOFTOP AND/ OR MECHANICAL EQUIPMENT ABOVE THE LEASED PREMISES AND WITHIN THE LEASED PREMISES, AT TENANT EXPENSE. PATCH AND REPAIR ROOF AS NEEDED.

•TENANT'S GC TO LABEL ALL ROOF TOP EQUIPMENT WITH TENANT NAME SPACE NUMBER AND EQUIPMENT IDENTIFICATION (RTU-1, EF-1), PER MALL SPECIFICATIONS/ STANDARDS.
•ALL PIPING ON ROOF SHALL BE SUPPORTED ON PRE-MANUFACTURED PIPE SUPPORTS INSTALLED ON CARRY TREAD, SPACED PROPERLY TO SUPPORT PIPING. TREATED WOOD SUPPORTS ARE NOT PERMITTED.

•ALL UNEXPOSED SUPPLY AIR AND OUTSIDE AIR DUCTWORK SHALL BE EXTERNALLY INSULATED WITH 1 1/2" THICK FOIL FACE INSULATION. INTERNALLY LINED DUCTWORK MAY BE USED FOR ACOUSTIC PURPOSES ONLY, NOT AS A SUBSTITUTE FOR EXTERNAL INSULATION.

•ALL DUCTWORK SHALL BE SHEET METAL. FLEX DUCT MAY ONLY BE USED IN RUNS OF 5'-0" OR LESS.

•AT CONCLUSION OF PROJECT, HVAC SYSTEM MUST BE TESTED AND BALANCED BY A LICENSED CONTRACTOR. COPY OF BALANCE REPORT MUST BE PROVIDED TO PROPERTY MANAGEMENT OFFICE ON-SITE.

•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

PLUMBING COMMENTS:

•ANY CHANGES AND/ OR UPGRADES TO TENANT'S EXISTING PLUMBING SYSTEMS SHALL COMPLY WITH ALL CODES AND MALL CRITERIA. EXISTING SYSTEMS SHALL POSSESS THE CAPACITY TO HANDLE ANY AND ALL CHANGES IN LOAD.

•ALL WATER LINES SHALL BE COPPER – PVC IS NOT PERMITTED. THERE SHALL BE NO PIPING JOINTS OF FITTINGS INSTALLED IN WATER PIPING BELOW THE FLOOR SLAB.

•ALL DRAIN, WASTE AND VENT FITTINGS ABOVE GRADE MUST BE CAST IRON PIPE.
•PLUMBING IS NOT PERMITTED IN ANY DEMISING PARTITIONS. FURR OUT THE WALL AS NECESSARY.

•EXHAUST AND PLUMBING VENTS SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKE, AND 5'-0" FROM ANY DEMISING WALL VERTICAL PLANE.

•ALL FLOOR DRAINS ARE REQUIRED TO HAVE TRAP PRIMERS.
•ANY UNUSED PLUMBING EQUIPMENT, PIPING, ETC., WITHIN OR SERVING THE PREMISES MUST BE COMPLETELY REMOVED TO POINT OF ORIGIN. DO NOT ABANDON IN PLACE.

•ALL FLOOR PENETRATIONS MUST BE CORE BORED, SLEEVED, GROUDED, SEALED AND MADE WATERPROOF. SLEEVES MUST EXTEND A MINIMUM OF 4" AFF.
•IF NOT ALREADY EXISTING, INSTALL A SHUT OFF VALVE ON DOMESTIC WATER LINE INSIDE SPACE.
•TENANT IS REQUIRED TO INSTALL A WATERPROOF MEMBRANE IN ALL WET AREAS OF THE SPACE. TENANT SHALL USE A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE (EQUAL TO NOBLESEAL TS) INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND ANSI A108. MEMBRANE MUST BE EXTENDED UP THE WALL A MINIMUM OF 6" OR EQUAL TO THE HEIGHT OF THE FLOOR BASE.

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SLAB ON GRADE: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATION TEAM PRIOR TO ANY SLAB MODIFICATIONS OR REMOVAL. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION. (NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.

ELEVATED SLABS: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATIONS TEAM PRIOR TO ANY SLAB MODIFICATION OR REMOVAL. IF ANY ELEVATED SLAB IS TO BE MODIFIED IN ANYWAY (DRILLED, CORED, OR PENETRATED), TENANT SHALL PROVIDE STAMPED AND CERTIFIED DRAWINGS BY A LICENSED STRUCTURAL ENGINEER CERTIFIED IN THE LOCAL JURISDICTION. ALL PENETRATIONS SHALL BE CORE BORED ONLY.

SAW CUTTING, JACK HAMMERING, AND TRENCHING IS STRICTLY PROHIBITED. ALL PENETRATIONS SHALL BE SLEEVED, SEALED, FIRE STOPPED, AND WATERPROOFED. THE PENETRATION SLEEVE SHALL EXTEND A MINIMUM OF 4" ON EITHER SIDE OF THE SLAB AND BE LABELED WITH THE REQUIRED NFPA RATING. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION. (NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.
•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

LANDLORD ROOF TOP EQUIPMENT COMMENTS:

•ROOF EQUIPMENT, INCLUDING BUT NOT LIMITED TO HVAC EQUIPMENT, KITCHEN EQUIPMENT, DUCTS, AND PIPING SHALL BE SHOWN ON A ROOF PLAN TO BE INCLUDED IN TENANT'S DRAWINGS SUBMISSION. SHALL NOT BE VISIBLE FROM THE OUTER RING ROAD OR FROM MALL SKYLIGHTS, LOCATED WITHIN THE ROOF AREA OF THE PREMISES AND MINIMUM OF 5'-0" FROM THE VERTICAL PLANE OF ANY DEMISING PARTITION LOCATED, AND SHALL BE COORDINATE WITH THE MALL OPERATIONS TEAM PRIOR TO THE START OF ANY WORK. EQUIPMENT SCREENS OR SCREEN WALLS MAYBE REQUIRED AND SHALL BE APPROVED IN WRITING BY LANDLORD UNDER SEPARATE COVER.

•TENANT SHALL PROVIDE A STRUCTURAL ENGINEER EVALUATION OF THE EXISTING CONSTRUCTION / STRUCTURE AND DETERMINES THAT IT IS SUFFICIENT FOR THE ADDITIONAL LOADS OF ALL NEW ROOF TOP EQUIPMENT IN ACCORDANCE WITH THE BUILDING CODE THAT HAS BEEN ADOPTED BY THE AUTHORITIES HAVING JURISDICTION (AHJ) AT TENANT'S SOLE EXPENSE. STRUCTURAL DETAILS ARE TO INCLUDE REFERENCE OF APPLICABLE BUILDING CODE(S), EXISTING BUILDING LOADS, AND ADDITIONAL LOADS THAT WILL BE ADDED TO THE STRUCTURE AND ANY REINFORCING THAT IS REQUIRED. STRUCTURAL DETAILS ARE TO BE SIGNED, SEALED, AND SUBMIT TO THE LANDLORD FOR THEIR RECORDS BY A LICENSED STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION IN THE STATE IN WHICH THE PROJECT IS LOCATED. LANDLORD RESERVE THE RIGHT TO HAVE 3RD PARTY ENGINEER REVIEW TENANT'S DESIGN AND MAY REQUIRE TENANT TO PROVIDE DOCUMENTATION BY A 3RD PARTY INSPECTOR TO VERIFY THAT STRUCTURAL INSTALLATION HAS BEEN INSTALLED CORRECTLY.

•ROOF EQUIPMENT REQUIRING DECK PENETRATION SHALL BE SET ON A FACTORY SUPPLIED CURB AND MUST EXTEND A MINIMUM OF 12" ABOVE HIGHEST ROOF MATERIAL. RE-USE OF EXISTING CURBS OR THE USE OF CURB ADAPTERS IS STRICTLY PROHIBITED. TENANT SHALL RE-SLOPE ROOF TO MAIN PROPER DRAINAGE AND PROVIDE ROOFING, FLASHING, AND WATERPROOFING FOR INSTALLATION OF NEW CURB PER LANDLORD'S CRITERIA TENANT'S SOLE EXPENSE.
•ALL CONDENSATION, ELECTRICAL, AND DUCTWORK SHALL BE SET INSIDE THE PERIMETER OF THE CURB. CONDENSATE SHALL DRAIN INTO AN INTERIOR FLOOR DRAIN OR MOP SINK WITHIN THE PREMISES. DAYLIGHTING CONDENSATE LINES DIRECTLY ONTO THE ROOF, DOWNSPOUT OR ROOF DRAIN IS STRICTLY PROHIBITED.

•TENANT SHALL PROVIDE "ROOF TRAFFIC / WALKWAY PADS" AROUND ALL ROOF TOP EQUIPMENT AND SHALL INDICATE LOCATION OF PADS ON A ROOF PLAN TO BE INCLUDED IN TENANT'S DRAWINGS SUBMISSION. COORDINATE FINAL LOCATION, MATERIAL, AND INSTALLATION OF PADS WITH THE MALL OPERATIONS TEAM PRIOR TO THE START OF ANY WORK

•TENANT SHALL LABEL ALL ROOF TOP EQUIPMENT INDICATING: TENANT NAME, SPACE NUMBER, AND EQUIPMENT IDENTIFICATION (RTU-1, EF-1) PER LANDLORD'S DESIGN CRITERIA.

•EQUIPMENT THAT UTILIZES CONDENSER COILS SHALL BE EQUIPPED WITH HAIL GUARDS.
•LANDLORD STRONGLY PREFERS USE OF ENERGY STAR PRODUCTS AND/OR EQUIPMENT WHENEVER POSSIBLE DURING TENANT BUILD OUT, WHICH CAN REDUCE ENERGY CONSUMPTION.

•NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM, OR PENETRATE LANDLORD'S STRUCTURE, FLOOR DECK, OR ROOF DECK. YOU MAY ATTACH, NON-DESTRUCTIVELY, TO OR SUSPEND FROM THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS ABOVE THE TENANT SPACE. WHEN ATTACHING TO LANDLORD'S STRUCTURE, DO NOT DRILL, WELD, SCREW, OR SHOOT INTO STRUCTURE. ALTERNATIVE METHODS OF ATTACHMENT ONLY, NOTHING TO DAMAGE LANDLORD'S BASE BUILDING STRUCTURE. TENANT SHALL PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS, BY A STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION AS INDICATED BY ALL JURISDICTIONAL REQUIREMENTS, FOR ALL STRUCTURAL MODIFICATIONS FOR LANDLORD RECORDS.

•ANY LANDLORD EQUIPMENT, COMPONENT, AND / OR SERVICE FEEDING OTHER TENANT(S) THAT IS EXISTING IN THE SPACE MUST REMAIN VISIBLE AND ACCESSIBLE TO THE LANDLORD. TENANT SHALL INSTALL ACCESS PANELS AS REQUIRED TO MAINTAIN ACCESS. ACCESS PANELS SHALL BE LABEL TO PROPERLY IDENTIFY SYSTEM. COORDINATE WITH MALL OPERATIONS.
•WHEN STOREFRONT GRILLES ARE PERMITTED BY LANDLORD, THEY MUST BE FLOOR SUPPORTED AND SHALL ATTACH TO LANDLORD'S STRUCTURE FOR LATERAL SUPPORT ONLY. WHEN IN OPEN POSITION, BOTTOM RAIL OF GRILLE MUST BE FULLY RECESSED INTO CEILING TREATMENT ABOVE. NO WELDING TO STRUCTURE IS PERMITTED.

•SLAT WALL MAY NOT BE USED WITHIN THE FIRST 5'-0" OF THE SPACE.
•VERTICAL GLASS JOINTS SHALL BE FRAMELESS BUTT JOINTS.
•NOTHING IS PERMITTED TO BE ATTACHED TO, SUSPENDED FROM, OR PENETRATE LANDLORD'S STRUCTURE, FLOOR DECK, OR ROOF DECK. YOU MAY ATTACH, NON-DESTRUCTIVELY, TO OR SUSPEND FROM THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS ABOVE THE TENANT SPACE. WHEN ATTACHING TO LANDLORD'S STRUCTURE, DO NOT DRILL, WELD, SCREW, OR SHOOT INTO STRUCTURE. ALTERNATIVE METHODS OF ATTACHMENT ONLY, NOTHING TO DAMAGE LANDLORD'S BASE BUILDING STRUCTURE. TENANT SHALL PROVIDE SIGNED AND SEALED STRUCTURAL DRAWINGS, BY A STRUCTURAL ENGINEER WITH LEGALLY ACTIVE REGISTRATION AS INDICATED BY ALL JURISDICTIONAL REQUIREMENTS, FOR ALL STRUCTURAL MODIFICATIONS FOR LANDLORD RECORDS.

•DAY, 24 HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES
AND STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN LIT DURING ALL MALL BUSINESS HOURS.
•ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN COMPLIANCE WITH NEC AND UL REQUIREMENTS.

•SLAB REQUIREMENTS:
SLAB ON GRADE: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATION TEAM PRIOR TO ANY SLAB MODIFICATIONS OR REMOVAL. TENANT GC SHALL VERIFY THAT WORK SHALL NOT CONFLICT WITH ANY EXISTING STRUCTURAL, UTILITY, OR OTHER UNDER-SLAB CONDITION. (NONDESTRUCTIVE VERIFICATION MAYBE REQUIRED.) ANY DAMAGE OR DOWNTIME CAUSED BY TENANT'S WORK SHALL BE REPAIRED AND REIMBURSED AT TENANT'S EXPENSE.

ELEVATED SLABS: TENANT'S GENERAL CONTRACTOR SHALL ADVISE THE OPERATIONS TEAM PRIOR TO ANY SLAB MODIFICATION OR REMOVAL. IF ANY ELEVATED SLAB IS TO BE MODIFIED IN ANYWAY (DRILLED, CORED, OR PENETRATED), TENANT SHALL PROVIDE STAMPED AND CERTIFIED DRAWINGS BY A LICENSED STRUCTURAL ENGINEER CERTIFIED IN THE LOCAL JURISDICTION. ALL PENETRATIONS SHALL BE CORE BORED ONLY.

•APPROVAL OF THE TENANT'S CONSTRUCTION / DESIGN DOCUMENTS

BY THE LANDLORD SHALL NOT CONSTITUTE REVIEW AND APPROVAL OF THE TENANT'S SIGNAGE. SIGNAGE SHOP DRAWINGS MUST BE SUBMITTED UNDER SEPARATE SUBMITTAL FOR LANDLORD REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION OF THE SIGN.

FIRE PROTECTION / SPRINKLER COMMENTS:

•SIMON REQUIRES ALL TENANTS TO USE ONE OF LANDLORD'S PRE-QUALIFIED SPRINKLER CONTRACTORS FOR TENANT'S SPRINKLER WORK.

TENANT MAY COMPETITIVELY BID TO ONLY THOSE SPRINKLER CONTRACTORS PRE-QUALIFIED BY LANDLORD (CONTACT THE MALL MANAGER OR OPERATIONS DIRECTOR FOR A LIST PRE-QUALIFIED SPRINKLER CONTRACTORS).

•THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DRAWINGS, DOCUMENTATION AND FLOW CALCULATIONS TO THE LOCAL AUTHORITY HAVING JURISDICTION IN ORDER TO OBTAIN ALL PROPER PERMITS.

•IF LOCAL FIRE DEPARTMENT AND/OR AHJ DETERMINES ADDITIONAL SPRINKLER HEADS AND FIRE ALARM DEVICES WILL BE REQUIRED BASED ON TENANT IMPROVEMENTS, IT IS THE TENANT'S RESPONSIBILITY TO HIRE THE LANDLORD REQUIRED FIRE ALARM & FIRE SPRINKLER CONTRACTOR FOR THIS WORK. TENANT IS RESPONSIBLE FOR ANY CODE REQUIRED CHANGES OR UPGRADES TO EXISTING CONDITIONS. EXISTING BUILDING MONITORING SYSTEM PULL STATIONS AND HORN/STROBES MUST BE KEPT CLEAR OF ALL OBSTRUCTIONS.
TENANT OR ITS GENERAL CONTRACTOR MUST VERIFY EXISTING LOCATIONS, AND MAKE ANY APPLICABLE CHANGES PER THE LOCAL JURISDICTION.

•SPRINKLER SYSTEM SHALL BE FULLY CHARGED AND OPERATIONAL WHENEVER CONSTRUCTION IS NOT ON SITE.

•FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING ALL PROGRAMMING OF ADDRESSABLE DEVICES, SYSTEMS, ETC. OF THE NEWLY INSTALLED FIRE ALARM DEVICES TO SATISFY THE REQUIREMENTS OF THE LOCAL AHJ.

•FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DRAWINGS, DOCUMENTATION, BATTERY CALCULATIONS, ETC. TO THE LOCAL AHJ TO OBTAIN ALL NECESSARY PERMITS.

•PLAN SUBMISSIONS FOR SIMON TENANT IMPROVEMENT PROJECTS MUST BE EMAILED TO GLOBAL RISK CONSULTANTS (GRC) AT SIMONPROJECTS@TUVSUD.COM. THE EMAIL WILL NEED TO INCLUDE THE FOLLOWING INFORMATION IN THE EMAIL SUBJECT LINE:

•IF YOU HAVE QUESTIONS REGARDING THE GRC REVIEW, PLEASE CONTACT:

TYLER ESTES, PE, CFPS
ACCOUNT ENGINEER/FIRE PROTECTION ENGINEERING
MOBILE: 971.412.7171

EMAIL ADDRESS: TYLER.ESTES@TUVSUD.COM

•TENANT DISPLAY FIXTURES IN THE RETAIL SPACE AND RACK / SHELVING / STORAGE UNITS IN THE STOCKROOM SHALL BE DESIGNED TO PROVIDE ADEQUATE CLEARANCE FOR THE AUTOMATIC (FIRE) SPRINKLER SYSTEM. NO DISPLAYS OR STORAGE SHOULD EXCEED 12FT AND CEILINGS MUST BE INSTALLED TO PROVIDE A MINIMUM OF 18" OF CLEARANCE BETWEEN THE TOP OF THE STORAGE SYSTEM AND SPRINKLER DEFLECTORS.

•TENANT DISPLAYS OR STORAGE HIGHER THAN 12'-0" ARE CLASSIFIED AS

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.

- 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.
- 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.
- 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.
- 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.
- CONTRACTORS SIGNS OR SIGNS OF ANY KIND MAY NOT BE DISPLAYED ON BARRICADES
- 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

- IMMEDIATELY AFTER DEMOLITION, GENERAL CONTRACTOR TO ADVISE TENANT OF ANY DISCREPANCIES IN OVERALL WIDTH, LENGTH, AVAILABLE CEILING HEIGHTS, COLUMN LOCATIONS, STOREFRONT, UTILITY LOCATIONS, ETC.
- 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.
- GENERAL CONTRACTOR IS TO LAYOUT WORK AND BE RESPONSIBLE FOR ALL LINES, MEASUREMENTS OF THE BUILDING, UTILITIES, AND OTHER WORK EXECUTED UNDER THE CONTRACT.
- 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

- 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. 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

- 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.
- MALL DOORS ARE NOT TO BE PROPPED OPEN BY CONSTRUCTION WORKERS AT ANY TIME.
- 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.
- ALL SUB TRADES SHALL COORDINATE REMOVAL OF DEBRIS AND GARBAGE GENERATED BY THEIR TRADES WITH THE G.C.
- THE G.C. SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEBRIS INCLUDING PACKAGING MATERIAL OF MILLWORK.

D. ROOF CUTTING AND PATCHING

- 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.
- THE LANDLORDS ROOFING CONTRACTOR WILL, AT SUBTRADES WRITTEN REQUEST AND COST, PROVIDE THE OPENINGS, ANCHORING DEVICES, 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.
- 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

- 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.
- THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE ACCEPTABLE HOURS FOR DELIVERY AND LOCATION OF DELIVERY OF BUILDING PRODUCTS AND TENANTS ITEMS WITH LANDLORD'S REPRESENTATIVE.

01041 PROJECT COORDINATION
PART 1 - GENERAL

A. ALL PROJECT COORDINATION SHALL BE THROUGH TENANT'S CONSTRUCTION MANAGER AS LISTED ON TITLE SHEET.

B. COMPLY WITH CONSTRUCTION MANAGER'S PROCEDURES FOR INTRA-PROJECT COMMUNICATIONS; SUBMITTALS, REPORTS AND RECORDS, SCHEDULES, COORDINATION DRAWINGS, RECOMMENDATIONS; AND RESOLUTION OF AMBIGUITIES AND CONFLICTS, INCLUDING REQUESTS FOR SUBSTITUTIONS AND CHANGE ORDERS.

01200 PRICE, PAYMENT, AND CONTRACT
PART 1 - GENERAL

A. BIDDING CONTRACTORS SHALL PREPARE A BID, WHICH SHALL BE SUBMITTED IN ACCORDANCE WITH INSTRUCTIONS TO BIDDERS CONTAINED WITHIN BID DOCUMENT PACKAGE.

B. PAYMENT SCHEDULE FOR PROJECT WILL BE ON A MONTHLY SUBMITTAL OF AIA DOCUMENT #G702 AND #G703 "APPLICATION AND CERTIFICATE FOR PAYMENT" UNLESS OTHERWISE REQUESTED BY TENANT.

C. CONTRACT SHALL BE AIA DOCUMENT #A107 "STANDARD FORM OF AGREEMENT BETWEEN OWNER AND CONTRACTOR".

01400 QUALITY/GUARANTEE
PART 1 - GENERAL

A. ALL WORK SHALL BE EXECUTED BY LICENSED TRADESMEN AND MECHANICS QUALIFIED, THROUGH EXPERIENCE, IN THEIR RESPECTIVE TRADES. SAID CONTRACTORS SHALL REMOVE AND REPLACE WITHOUT DELAY ANY WORK CONTRARY TO THE CONTRACT DOCUMENTS WHEN SPECIFICALLY DIRECTED.

B. GENERAL CONTRACTOR AND/OR SUB CONTRACTOR SHALL GUARANTEE HIS WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER.

01426 PROCEDURES
PART 1 - GENERAL

A. ALL ITEMS SHALL BE INSTALLED USING STANDARD PROFESSIONAL PRACTICES USING FASTENERS, ADHESIVES AND METHODS REQUIRED BY MANUFACTURER AND INDUSTRY MANUALS.

01510 TEMPORARY UTILITIES
PART 1 - GENERAL

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

01542 CRANES AND HOISTS
PART 1 - GENERAL

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

- IN-PLACE WORK IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

01700 CLEANING / ADJUSTING / MAINTENANCE / WARRANTIES
PART 1 - GENERAL

A. FINAL CLEANING

- 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.
- PROVIDE A PROFESSIONAL CLEANING SERVICE TO EXECUTE FINAL CLEANING PRIOR TO TURN-OVER.
- CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHED TO A DIRTY-FREE CONDITION, FREE OF STAIN, FILMS, AND SIMILAR FOREIGN SUBSTANCES.
- REPLACE AIR FILTERS.
- LEAVE PROJECT CLEAN AND READY FOR OCCUPANCY.

B. ADJUSTING

- ADJUST OPERATING PRODUCTS AND EQUIPMENT TO ENSURE SMOOTH AND UNHINDERED OPERATION.

C. OPERATION AND MAINTENANCE DATA

- SUBMIT DATA BOUND IN 8-1/2x11 INCH TEXT PAGES, THREE D SIDE RING BINDER WITH DURABLE PLASTIC COVERS.
- 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

- 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

- THIS SECTION IS INCLUDED FOR GENERAL REFERENCE OF WORK TO BE REMOVED BY THE GENERAL CONTRACTOR.
- CONSULT DEMOLITION PLANS INCLUDED WITH PROJECT DOCUMENTS FOR ADDITIONAL NOTES AND SITE SPECIFIC ITEMS.
- 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.
- 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.
- GC TO COMPLY WITH ANY DEBRIS/TRASH SEPARATION REQUIREMENTS IN PLACE WITH LL JURISDICTIONS, OR PROJECT REQUIREMENTS FOR CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL.
- 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
- 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.
- 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.
- SEE MECHANICAL AND ELECTRICAL PLANS FOR SPECIFIC DEMOLITION ITEMS UNDER THOSE TRADES.

PART 2 - PREPARATION / EXECUTION

A. ARRANGE WITH THE LANDLORD A CONVENIENT TIME TO PERFORM DEMOLITION WORK AND INSTALL TEMPORARY PROTECTED MEANS OF EGRESS FROM REQUIRED EXITS. INCLUDE TEMPORARY LIGHTING AND SAFETY DEVICES, ALL IN ACCORDANCE WITH GOVERNING STATE AND LOCAL CODES AND LAND-LORD REQUIREMENTS.

B. THE CONTRACTOR SHALL REMOVE, REPAIR, RESTORE, AND REPLACE WHERE ANY SUCH WORK IS NECESSARY OR AS INDICATED ON THE DRAWINGS. CUT ALL NECESSARY OPENINGS, AND PATCH/REPAIR/SEAL SAME TO DEGREE NECESSARY TO SATISFY ALL REQUIREMENTS. INSOFAR AS POSSIBLE, ALL PROTRUSIONS, MARKS, CRACKS OR OTHER EVIDENCE OF A DEFICIENT OR DAMAGED CONDITION SHALL BE ELIMINATED, UNLESS SPECIFICALLY NOTED OTHERWISE. ANY PARTS WHICH ARE SPLIT, CRACKED, CHIPPED, SPALLED, BROKEN, MISSING, OR OUT OF LINE OR ADJUSTMENT, MECHANICALLY OR STRUCTURALLY UNSAFE OR UNSOUND, BENT, TORN OR OTHERWISE DEFICIENT OR INJURED IN ANY MANNER, SHALL BE REMOVED, REPLACED, RESTORED OR REPAIRED. LANDLORD'S REPRESENTATIVE, ARCHITECT, AND TENANT'S CONSTRUCTION MANAGER MUST BE NOTIFIED IMMEDIATELY OF ANY STRUCTURAL OR SAFETY DEFECTS, AND ONLY THE TENANT'S CONSTRUCTION MANAGER IF THE DEFECT(S) ARE LIMITED TO COSMETIC FINISHES.

C. EXERCISE EXTREME CARE DURING DEMOLITION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITY OR SPRINKLER LINES WHICH MIGHT PASS THROUGH THIS SPACE TO SERVICE OTHER MALL SPACES OR TENANTS. GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.

D. ALL ABANDONED ELECTRICAL AND TELEPHONE CONDUIT, PLUMBING LINES, DRAIN LINES, AND ALL MECHANICAL ITEMS SHALL BE CAPPED AT SOURCE AND REMOVED IN A MANNER TO MEET ALL LANDLORD AND CODE REQUIREMENTS, UNLESS DIRECTED OTHERWISE.

E. GENERAL CONTRACTOR RESPONSIBILITIES

- 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.
- 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.
- 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)

- "SONOBOND" EPOXY CONCRETE BONDING AGENT OR EQUAL
 - MANUFACTURER: CHEMTREX, INC. 889 VALLEY PARK DRIVE SHAKOPEE, MINNESOTA 55379-1854
- CONSULT MANUFACTURER FOR APPLICATION PROCEDURE ASTM C881

F. VAPOR BARRIER

- SLAB ON GRADES TO RECEIVE 6 MIL. CLEAR OR BLACK POLYETHYLENE FILM WITH MINIMUM OF 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; SCREEN 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

- 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

- DO NOT PROCEED WITH WORK UNTIL VISITING THE SITE AND DETERMINING CONDITIONS TO DECIDE METHODS OF REPAIR. COORDINATE WITH TENANT'S CONSTRUCTION MANAGER.
- REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES WHERE INDICATED ON DEMOLITION PLAN.
- THOROUGHLY CLEAN FLOOR SLAB REMOVING CONDITIONS THAT WILL AFFECT BOND INCLUDING RESIDUE FROM REMOVAL OF ADHESIVES, UNDERLAYMENTS, STAINS, OILS, ETC.
- REMOVE HIGH FLOOR LEVELS AND LOOSE CONCRETE.
- ROUGH IN CONCRETE IN AREAS WHERE PATCHING IS REQUIRED, SUCH AS CRACKED, SPALLED, OR HOLES DUE TO REMOVAL OF EXISTING WORK.
- GRIND HIGH SPOTS.
- 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.
- 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.
- CLEAN AREAS REMOVING ALL WASTE MATERIAL, BROOM CLEAN.

DIVISION 04000 - MASONRY
NO WORK UNDER THIS SECTION

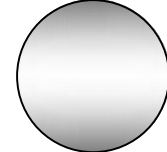
DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

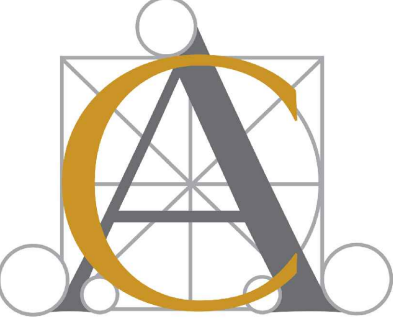
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A Brand of EssilorLuxottica



Revisions:

Mark	Date	By
△	02/20/2026	SA
ACCESSIBILITY PLAN REVIEW#1		
△	03/31/2026	SA
PLUMBING PLAN REVIEW		
△	04/08/2026	SA
DESIGN REV.12		
△		
△		
△		
△		

Architect / Engineer of Record



Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228
Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

**SPECIFICATIONS
1 OF 3**

Date 04/08/2026	Sheet No.:
Drawn By SA	G003
Checked By CC	

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.

- ERECT GWB IN A SINGLE LAYER WITH VERTICAL BUTT JOINT AND WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.
- WALLS, CEILINGS AND SOFFITS, AND ALL TRANSITIONS IN SAME, SHALL BE GIVEN A SMOOTH FINISH.
- 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.
- 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.
- 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.
- 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.
- 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.
- INSTALL CEMENTITIOUS BACKER BOARD AT ALL AREAS TO RECEIVE TILE OR MARBLE, OR AS SHOWN ON DRAWINGS.
- ACCESS PANELS:
 - 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).
 - 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, COVERED 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.

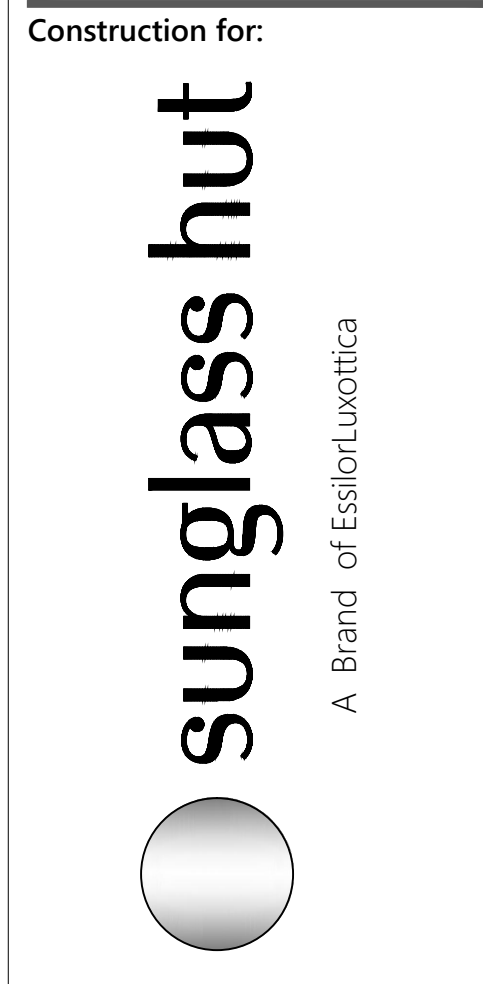
END OF DIVISION

FOR TRADE SPECIFIC SPECIFICATIONS, SEE RELATED SHEETS PER TRADE

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237



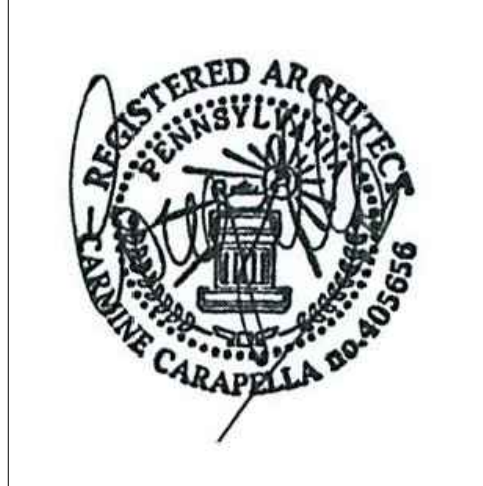
Revisions:

Mark	Date	By
△	02/20/2026	SA
	ACCESSIBILITY PLAN REVIEW#1	
△	03/31/2026	SA
	PLUMBING PLAN REVIEW	
△	04/08/2026	SA
	DESIGN REV 12	
△		
△		
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Architect / Engineer of Record



Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228
Brand Design Type: SGH

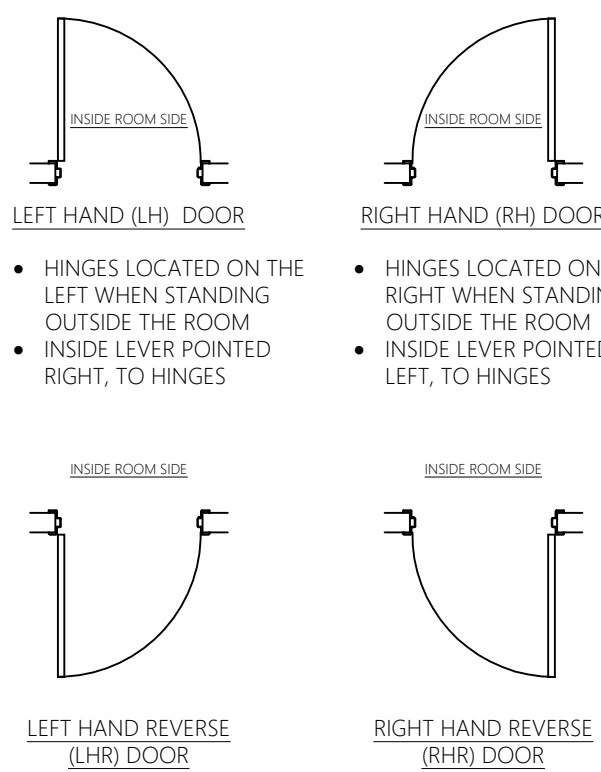
DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

SPECIFICATIONS
3 OF 3

Date	Sheet No.:
04/08/2026	G005
Drawn By	
SA	
Checked By	
CC	



1 DOOR SCHEDULE															
ROOM #	DOOR #	LOCATION	DOORS				HARDWARE	DOOR STOP	JAMB/HEADER			HAND	RATING	CUSTOM	REMARKS
			MATERIAL	FINISH	SIZE WIDTH x HEIGHT x THICK	ROUGH OPNING WIDTH x HEIGHT x THICK			TYPE	MAT'L	FINISH				
100/101	100	SECURITY GRILLE	EX-ALUM	EX-ALUM	EXISTING 10' 1 1/2" X 8' 11"	EXISTING 10' 1 1/2" X 8' 11"	N/A	N/A	N/A	N/A	N/A	-	-	-	EXISTING OVERHEAD GRILLE TO REMAIN CHECK PROPER WORKING
101/102	101	RETAIL SALES/BOH	EX-WOOD	P-57 SEE REMARKS	EXISTING	EXISTING	EX	EX	EX	EX	P-57	EX	RH	-	FINISH TO MATCH ADJACENT WALL (P-57 @ RETAIL SALES/ P-53 @ BOH)
102/103	102	BOH/RESTROOM	EX-WOOD	P-53 SEE REMARKS	EXISTING	EXISTING	EX	EX	EX	EX	P-53	EX	LH	-	FINISH TO MATCH ADJACENT WALL
103/104	103	RESTROOM/MOP CLOSET	EX-WOOD	P-53 SEE REMARKS	EXISTING	EXISTING	EX	EX	EX	EX	P-53	EX	LH	-	FINISH TO MATCH ADJACENT WALL

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: IVE5-FS436-438 - US26D	
WS: IVE5-WS406-407 - CCV - US26D	
HS: GRAINGER-1XNK6 - CHROME	
DOOR STOPS: SGH-G010-REV02	

2 DOOR TYPES

180

EXISTING (NO CHANGE)
 EXISTING (MODIFIED)
 NEW

NOT USED

180

EXISTING (NO CHANGE)
 EXISTING (MODIFIED)
 NEW

NOT USED

181

EXISTING (NO CHANGE)
 EXISTING (MODIFIED)
 NEW

NOT USED

182

EXISTING (NO CHANGE)
 EXISTING (MODIFIED)
 NEW

NOT USED

402

EXISTING (PAINTED)

NOT USED

402

EXISTING (PAINTED)

NOT USED

3 HARDWARE

HARDWARE SET 'A' (EGRESS / DELIVERY - EXTERNAL)

- HINGES - FOR EXTERIOR DOOR CONDITIONS DOOR MFG BUTT HINGES, STAINLESS STEEL 5 KNUCKLE, 4 1/2" X 4", NON-REMOVABLE PIN HINGES
- THRESHOLD - PEMKO MFG. CO. #175A / ALUMINUM ALLOY 6063-76 FOR EXTERIOR DOOR CONDITIONS
- PANIC / ALARM SEC. DEVICE - TRIDENT MODEL #1000000 AT DOORS OPENING TO EXTERNAL BUILDING AREAS. VERIFY MODEL # IS COMPATIBLE WITH PROJECT CONDITION PRIOR TO ORDERING
- INTERIOR LOCK CORES - BEST ACCESS SYSTEMS SK SERIES CONSTRUCTION CORE PROVIDED AT PUNCH. GENERAL LOCK
- DOOR CLOSERS - 4400 SERIES YALE COMMERCIAL, SATIN CHROME 626
- DOOR KICK - STANLEY DOOR SYSTEM, PULL WIDTH X 10" X 1/8" STAINLESS STEEL. INSTALLED 1" FROM BOTTOM OF DOOR ON PUSH SIDE. EXTERIOR DOOR CONDITIONS

REMARKS:

- SEE PLAN FOR DIRECTION OF SWING.
- STORE ID, SPACE, BUILDING ADDRESS NUMBERS; 2" H. BLACK VINYL @ 5'-6" AFF
- PEEP HOLE SCHLAGE WIDE ANGLE DOOR VIEWER #SC698 B 619 SATIN NICKEL
- DOOR BELL WITH SALES AREA BUZZER LOCATED AT CASHWRAP & ABOVE MANAGER'S DESK
- WEATHER STRIPPING NATIONAL GUARD PRODUCTS INC. #162 DKB AT HEAD & JAMB #15 DKBN OR APPROVED EQ. AT BOTTOM FOR EXTERIOR DOOR CONDITIONS.

HARDWARE SET 'D' (DOOR 182)

- 1/2" TEMPERED GLASS?
- DOOR RAIL W/LOCK - C. R. LAURENCE BRUSHED STAINLESS 1/2" SQUARE DOOR RAIL WITH LOCK. ITEM #: DR455A12SL
- BOTTOM PIVOT - C. R. LAURENCE DUAL-PURPOSE PIVOT OR THRESHOLD MOUNTED PIVOT. ITEM #: CRL8010DP
- TOP DOOR PATCH - C. R. LAURENCE SATIN ANODIZED 4" X 36" DOOR PATCH FITTING. ITEM #: PH202BA
- OVERHEAD CLOSURE - C. R. LAURENCE SATIN ANODIZED 4" X 36" SINGLE DOOR HEADER. ITEM #: DCH45AS
- OVERHEAD CLOSURE - C. R. LAURENCE SATIN ANODIZED 4" X 72" DOUBLE DOOR HEADER. ITEM #: DCH45AD
- OVERHEAD CLOSURE BODY - C. R. LAURENCE ADJUSTABLE SPRING POWER 90 DEGREE HOLD OPEN 3/4" LONG SPRING OVERHEAD CONCEALED DOOR CLOSER BODY ONLY. ITEM #: CRL9760
- DUST PROOF STRIKE - C. R. LAURENCE BRUSHED NICKEL DUST PROOF KEEPER LOCKING. OPTIONAL ITEM #: AMR209BN
- LADDER PULLS - C. R. LAURENCE BRUSHED STAINLESS 72" EXTRA LENGTH LADDER STYLE BACK-TO-BACK PULLS. ITEM #: 72LPBS

REMARKS:

- SEE PLAN FOR DIRECTION OF SWING.

HARDWARE SET 'B' (EGRESS / DELIVERY - INTERNAL)

- HINGES - FOR EXTERIOR DOOR CONDITIONS DOOR MFG BUTT HINGES, STAINLESS STEEL 5 KNUCKLE, 4 1/2" X 4", NON-REMOVABLE PIN HINGES
- THRESHOLD - PEMKO MFG. CO. #175A / ALUMINUM ALLOY 6063-76 FOR EXTERIOR DOOR CONDITIONS
- PANIC / ALARM SEC. DEVICE - DETEX V408R USED AT DOORS OPENING TO INTERNAL BUILDING AREAS. VERIFY MODEL # IS COMPATIBLE WITH PROJECT CONDITION PRIOR TO ORDERING.
- INTERIOR LOCK CORES - BEST ACCESS SYSTEMS SK SERIES CONSTRUCTION CORE PROVIDED AT PUNCH. GENERAL LOCK
- DOOR CLOSERS - 4400 SERIES YALE COMMERCIAL, SATIN CHROME 626
- DOOR KICK - STANLEY DOOR SYSTEM, PULL WIDTH X 10" X 1/8" STAINLESS STEEL. INSTALLED 1" FROM BOTTOM OF DOOR ON PUSH SIDE. EXTERIOR DOOR CONDITIONS

REMARKS:

- SEE PLAN FOR DIRECTION OF SWING.
- STORE ID, SPACE, BUILDING ADDRESS NUMBERS; 2" H. BLACK VINYL @ 5'-6" AFF
- PEEP HOLE SCHLAGE WIDE ANGLE DOOR VIEWER #SC698 B 619 SATIN NICKEL
- DOOR BELL WITH SALES AREA BUZZER LOCATED AT CASHWRAP & ABOVE MANAGER'S DESK
- WEATHER STRIPPING NATIONAL GUARD PRODUCTS INC. #162 DKB AT HEAD & JAMB #15 DKBN OR APPROVED EQ. AT BOTTOM FOR EXTERIOR DOOR CONDITIONS.

HARDWARE SET 'E' (DOOR 401)

- DOOR MATERIAL - STAIN GRADE SOLID CORE - UNFINISHED ROTARY NATURAL BIRCH
- FRAME MATERIAL - HOLLOW METAL / TRUDOR KD DRYWALL FRAME (OR EQUAL)
- HINGES - (3) INES 5881 - 4.5" X 4.5" BALL BEARING HINGE - FLAT BLACK FINISH
- CLOSURE - DOOR CLOSERS 4400 SERIES YALE COMMERCIAL 693 FINISH (BLACK PAINTED)

REMARKS:

- SEE PLAN FOR DIRECTION OF SWING.

HARDWARE SET 'F' (DOOR 402)

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

REMARKS:

- SEE PLAN FOR DIRECTION OF SWING.

HARDWARE SET 'C' (DOOR 181)

- FRAME TYPE - KAWNEER 190 NARROW STILE CENTER HUNG W/ 10" BOTTOM RAIL
- THRESHOLD - PEMKO MFG. CO. #175A / ALUMINUM ALLOY 6063-76
- LATCH DEVICE - GENERAL LOCK; DOOR HOOKBOLT; #18118 ALDU EXTERIOR LOCK CORES INSTA-KEY
- FUNCTION LOCK - EXTERIOR LOCK CORES INSTA-KEY
- HANDLES - 1 1/4" DIA. LADDER STYLE PULL AND LATCH OFFSET MOUNTING POSTS (VERIFY FINISH TO MATCH STOREFRONT FINISH PRIOR TO ORDERING)
- CLOSURE - HEAD CLOSER; CONCEALED CLOSURE MCN 5030 WITH A HOLD OPEN POSITION OF 90 DEGREES, SINGLE ACTION

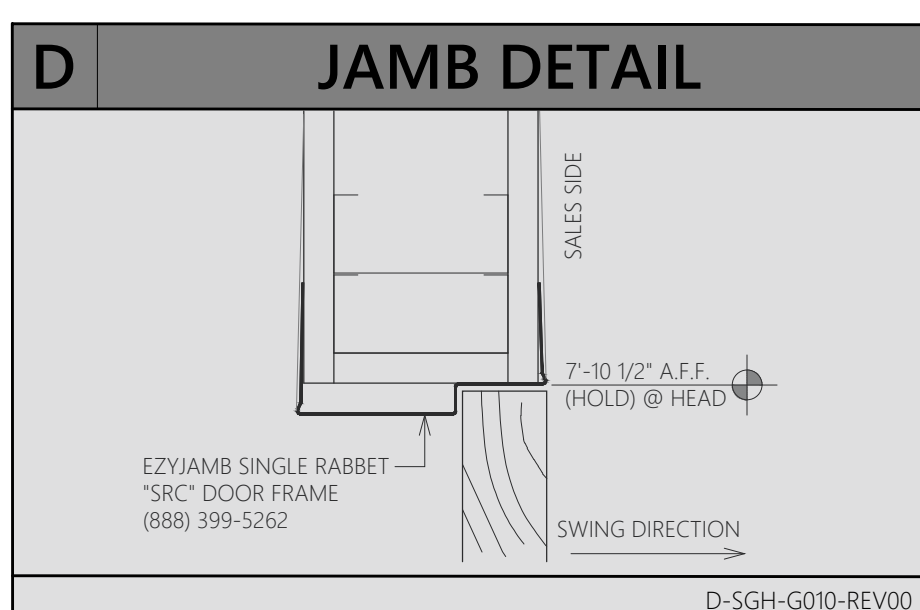
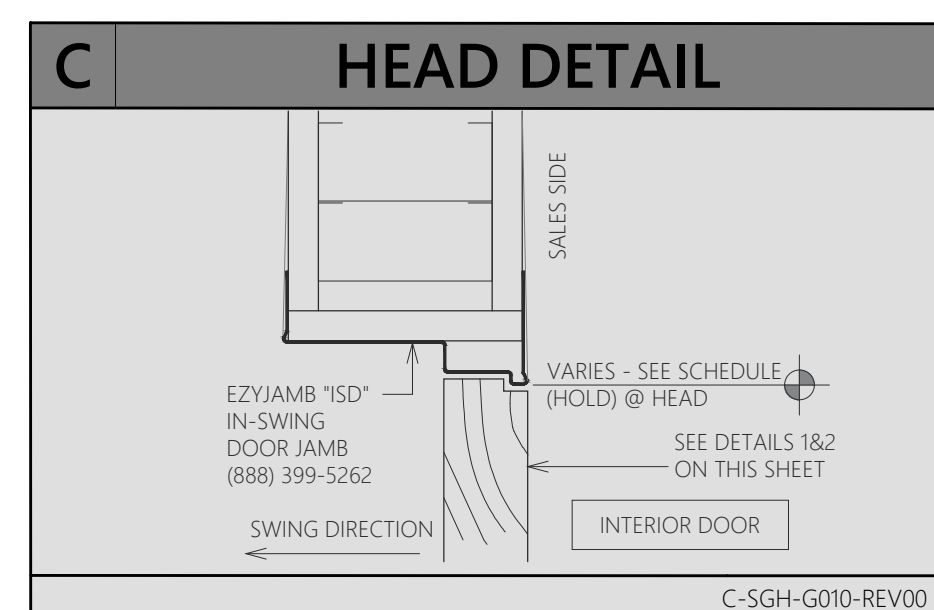
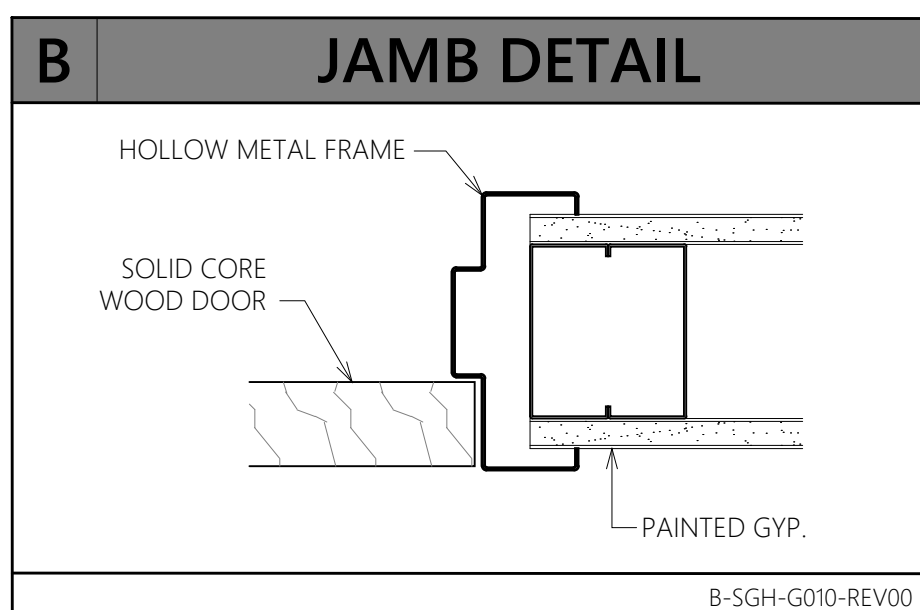
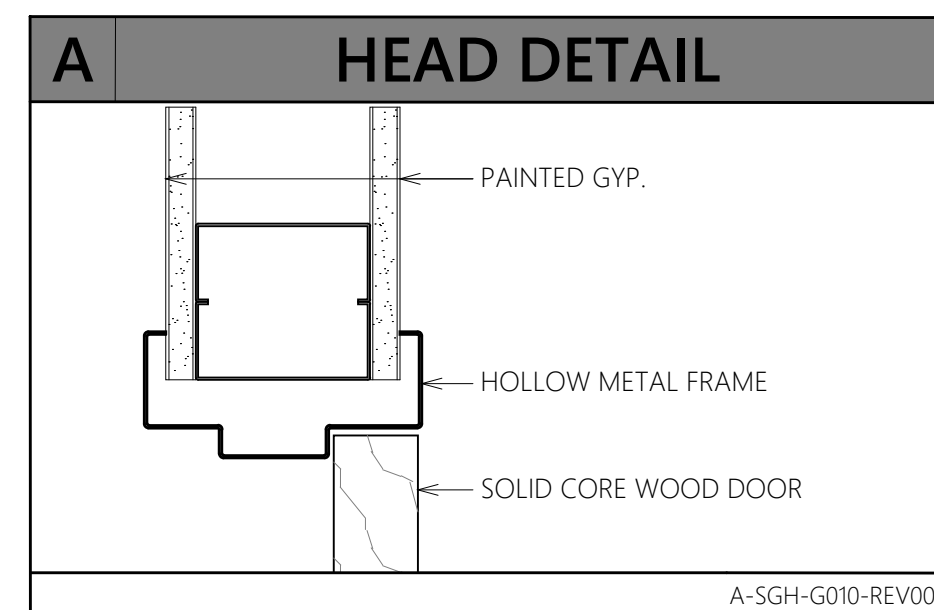
REMARKS:

- SHOP DRAWINGS TO BE APPROVED BY ESSILOR LUXOTTICA P.M.
- ALL FRAMES, HANDLES, LATCHES, ETC. TO MATCH STOREFRONT FINISH
- STORE ID, SPACE, BUILDING ADDRESS NUMBERS PER CRITERIA
- WEATHER STRIPPING NATIONAL GUARD PRODUCTS INC. #162 DKB AT HEAD & JAMB #15 DKBN OR APPROVED EQ. AT BOTTOM FOR EXTERIOR DOOR CONDITIONS.

4 COMPLIANCE NOTES FOR DOORS

- DOORS: GENERAL SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE & CURRENT EDITION OF THE LIFE SAFETY CODE.
- 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.
- 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.
- CLEAR WIDTH. DOORWAYS 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.
- MANEUVERING CLEARANCES AT DOORS. FLOOR WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR.
- 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.
- 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.
- DOOR OPENING FORCES. THE MAXIMUM FORCE FOR PUSHING OR PULLING OPEN A DOOR SHALL BE AS FOLLOWS:
 - FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.
 - OTHER DOORS.
 - EXTERIOR HINGED DOORS: (RESERVED).
 - INTERIOR HINGED DOORS: 5 LBF (22.2N).
 - SLIDING OR FOLDING DOORS: 5 LBF (22.2N).

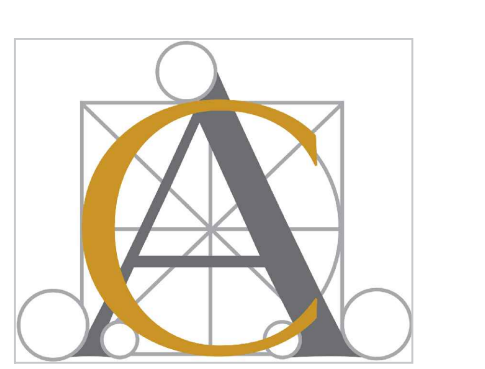
THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT MAY HOLD THE DOOR IN A CLOSED POSITION.



Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
		PLUMBING PLAN REVIEW
△	04/08/2026	SA
		DESIGN REV 12

Architect / Engineer of Record



Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:
DOOR AND HARDWARE SCHEDULE

Date 04/08/2026
Drawn By SA
Checked By CC
Sheet No.: G010

2 SGH06 - ACCESSORY SCHEDULE					SUPPLIED	RECEIVED	INSTALLED
CODE	ITEM	DESCRIPTION	ROOM	REMARKS			
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)	<ul style="list-style-type: none"> 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-CAB	STORAGE CABINET	MANUFACTURER: ULINE ARTICLE #: 1015541 MODEL #: H-1105 FINISH: BLACK	AS SHOWN ON FIXTURE PLAN IF APPLICABLE	<ul style="list-style-type: none"> SIZE: 36"Wx18"Dx72"H 	T	GC	GC
SGH06-SAFE	SAFE	MANUFACTURER: SENTRY ARTICLE #: 304182 MODEL #: UC-039K	ONE PER STORE	<ul style="list-style-type: none"> GC TO BOLT SAFE TO FLOOR SIZE: 8"Wx10"Dx12"H 	T	GC	GC
SGH06-BRTAB	TABLE	MANUFACTURER: SIT ON IT MODEL #: TENSOR TABLE - TOP (2321 TB19) BASE - 2322 TB19 TS3636 GF03 TH00 LS18 FINISH: TOP-BLACK, BASE-BLACK	AS SHOWN ON FIXTURE PLAN IF APPLICABLE	<ul style="list-style-type: none"> SIZE: 36"Wx36"Lx29"H 	GC	GC	GC
FL-00220-00	WOODEN CHAIR WITH STEEL SLED BASE	MANUFACTURER: TRUE MODEL #: MARINA-MA1005 FINISH: UPHOLSTERY - VALENCIA 107-5062 PETROL STRUCTURE: METAL PAINTED BLACK, WOOD PAINTED BLACK	AS SHOWN ON FIXTURE PLAN IF APPLICABLE	<ul style="list-style-type: none"> SIZE: 36"Wx36"Lx29"H 	T	GC	GC
SGH06-TRASH1	FREE-STANDING TRASH CAN	VENDOR: ABCO ARTICLE #: 3042095, VENDOR PART #: AAMAB08SQTJ5X 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-MH	24" MOP HOLDER	VENDOR: ABCO ARTICLE #: 3041934, VENDOR PART #: LEN-600MBR24 FINISH: STAINLESS STEEL	BOH	(1) PER MOP SINK	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-FHR	FULL HEIGHT REFRIGERATOR	VENDOR: ABCO ARTICLE #: 3066137 MODEL: AVANTI 10.0 CU STAINLESS STEEL	BOH/BREAK AREA	AS SHOWN ON FIXTURE PLAN IF APPLICABLE	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		

SIGNAGE TAKEOFF SCHEDULE			
CODE	DESCRIPTION	QUANTITY	PROVIDED BY SIGNAGE VENDOR?
SGH06-FLEL-WW-20	FACE-LIT / EDGE-LIT - WHITE FACE / WHITE RETURNS 20"	1	YES
SGH60-CUSSIGN-01	FACE-LIT / EDGE-LIT - DISK SIGN 54" DIAMETER	1	YES

1 SGH PURE - FINISH SCHEDULE										SUPPLY	RECEIVED	INSTALLED
ITEM	MARK	DESCRIPTION	MFG. / CONTACT	MODEL / COLOR	ALT.	REMARKS						
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-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-60	PAINT (GREY); ABOVE 8'-10 1/4"	BENJAMIN MOORE	866-708-9180	ULTRA SPEC® 500 INTERIOR LATEX COLOR: AF-700 STORM	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT TRIM SHEEN: SEMI-GLOSS SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING	GC	GC	GC	
	PAINT	P-60c	PAINT (GREY)	BENJAMIN MOORE	866-708-9180	LATEX DRY FALL 395 COLOR: AF-700 STORM	NONE	CEILING SHEEN: FLAT SEE SPECS FOR PRIMER, COATS AND PAINT SEQUENCING	GC	GC	GC	
BASE	FIBERGLASS REINFORCED PLASTIC	FRP-40	F.R.P. WALL PANELS (4'-0" X 8'-0" X 1/8")	MARLITE	800-377-1221	PEBBLED, P100 WHITE	NONE	ACCESSORIES: INSIDE CORNER #M350, OUTSIDE CORNER #M360, DIVIDERS #M365, EDGING #M370 (AT MOP SINK ONLY TO 4'-0" AFF)	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" (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-64	PORCELAIN FLOOR TILE (6CM X 60CM X 120CM, 24" X 23.625" X 47.25')	IRIS FMG, EU STONE PEAK (TRANSCERAMICA, NA)	NOREEN SCHEITLER (312-342-4689) nscheitler@transceramica.com	GREY BLOSSUM (FORMERLY PEACH BLOSSUM / FIORE DI PESCO) MARBLE EFFECT; FINISH: PRELUCIDATO (HONED)	NONE	GROUT (BY GC): 1/8" JOINT; LATICRETE SPECTRALOCK PRO PREMIUM, COLOR: 78 STERLING (REQ'S 7 DAYS OF PROTECTION)	T	GC	GC	
	TILE FLOOR	TF-63	PORCELAIN FLOOR TILE (6CM X 60CM X 120CM, 24" X 23.625" X 47.25')	IRIS FMG, EU STONE PEAK (TRANSCERAMICA, NA)	NOREEN SCHEITLER (312-342-4689) nscheitler@transceramica.com	VICTORIAN STONE; LIMESTONE BEIGE 8929993 FINISH: NATURAL PLUS	NONE	GROUT (BY GC): 1/8" JOINT; LATICRETE SPECTRALOCK PRO PREMIUM, COLOR: 39 MUSHROOM (REQ'S 7 DAYS OF PROTECTION)	T	GC	GC	
CEILING	WATERPROOF FLOOR MEMBRANE	WM-99	WATERPROOF FLOOR MEMBRANE	DALTILE	-	DAL-SEAL TS SHEET MEMBRANE	NONE	USED IN WET AREAS WHEN REQUIRED BY LANDLORD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	GC	GC	GC	
	ACOUSTICAL CEILING	AC-10	ACOUSTICAL CEILING TILE	ARMSTRONG	(800) 442-4212 TO ORDER: *SEE 'ORDERING NOTE' BELOW*	2824WH (WHITE) - CALLA 24"x24", TEGULAR CEILING TILE, FOR 9/16" SUPRAFINE SUSPENSION (GRID TO MATCH WHITE), 750TWH (MAIN), XL7540WH (4" CROSS TEE), XL7520WH (2" CROSS TEE) AND 7804WH (WALL MOLDING 9/16" FLANGE)	NONE	CLASS 'A', REFERENCE 'LUXOTTICA' AS ACCOUNT NAME	GC	GC	GC	
TRANSITION	GYPSON CEILING	GYP-1	GYPSON BOARD CEILING - LEVEL 5 FINISH	CERTAINTED	800-233-8990	PROROC® BRAND GYPSON BOARD	NONE		GC	GC	GC	
	TRANSITION STRIP	TS-1	TRANSITION STRIP (HARD TILE TO: HARD TILE, WOOD)	SCHLUTER	888-472-4588	SCHLUTER®-SCHIENE, MINIMAL HEIGHT AS APPROPRIATE FOR FLOORING TRANSITION ALUMINUM (A); 1/8" THICK EDGE.	NONE		GC	GC	GC	
METAL	MIRROR	MIR-02	MIRROR (BRONZE)	INTERGLASS	305-885-4442	INTERGLASS, M-6884130-C	SEE REMARK	ALTERNATE MIRROR MATERIAL: SAME SUPPLIER AS SITU-GROUP	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.	STOREFRONT	MF-61	METAL PANEL (BRASS)	RIMEX METALS	732-549-3800	18 GA. BRAKE METAL RIMEX, T22, AMBER BRASS HAIRLINE	SEE REMARKS	ALTERNATE PRISMATIC POWDERS, BRASS FINISH, MUST BE APPROVED BY ESSILOR LUXOTTICA BEFORE PROCEEDING. GC RESPONSIBLE FOR NEW AND/OR REFURBISH OF CONSTRUCTION FOR STOREFRONT VENDOR TO APPLY FINISHES.	GC	GC	GC	
	INPUT APPLICABLE TITLE											

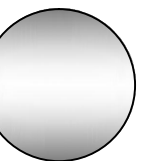
DESIGN & CONSTRUCTION
MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

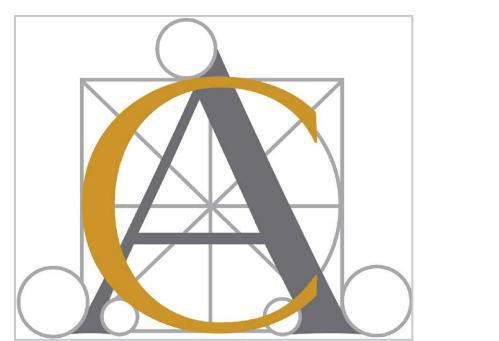
sunglass hut
A Brand of EssilorLuxottica



Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
		PLUMBING PLAN REVIEW
△	04/08/2026	SA
		DESIGN REV 12

Architect / Engineer of Record



Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

100% PRELIM CONSTRUCTION

100% FINAL (PERMIT, BID) BULLETIN

ADDENDUM

Sheet Name:

SCHEDULES

Date

04/08/2026

Drawn By

SA

Checked By

CC

Sheet No.:

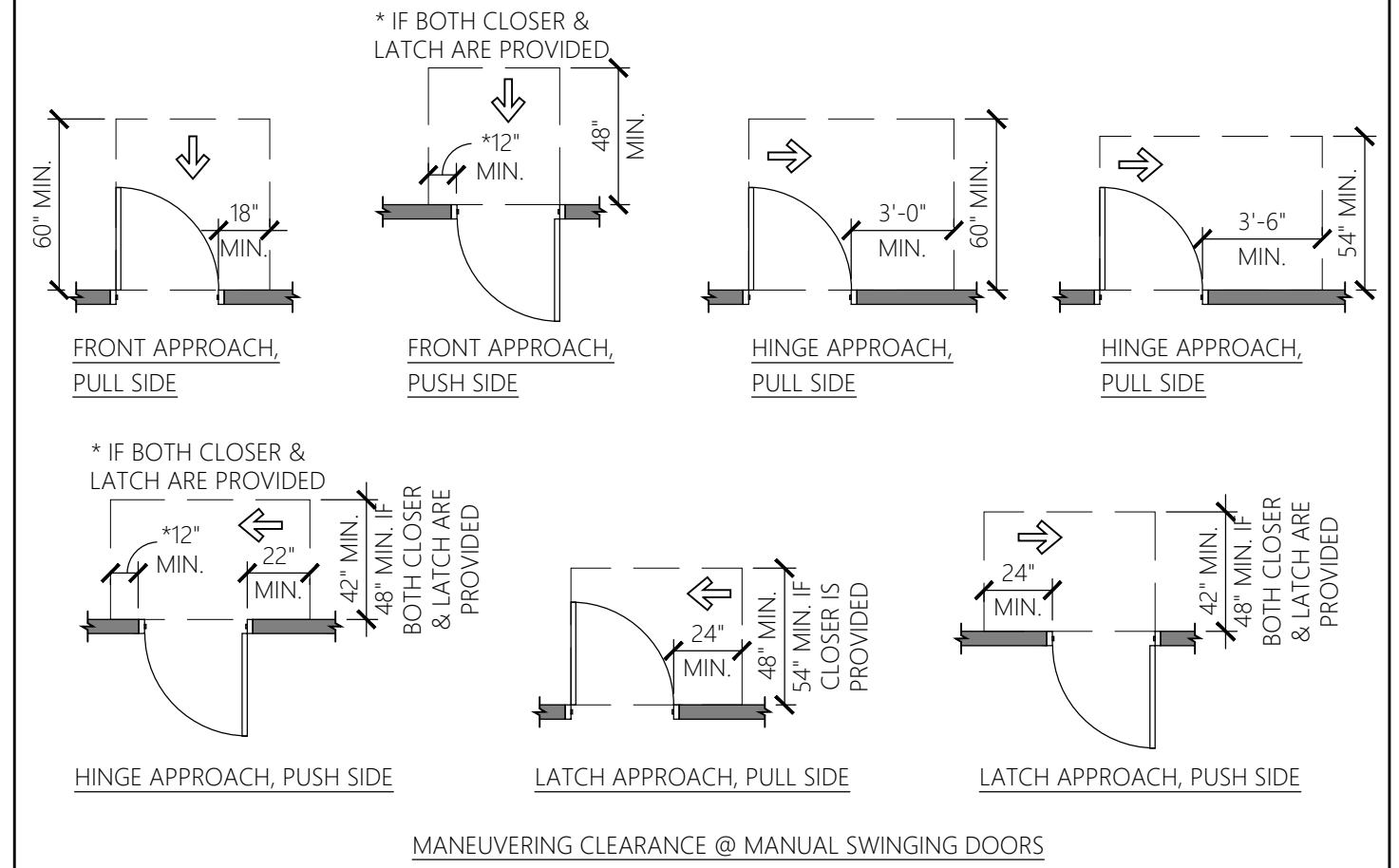
G020

4 LIFE SAFETY NOTES

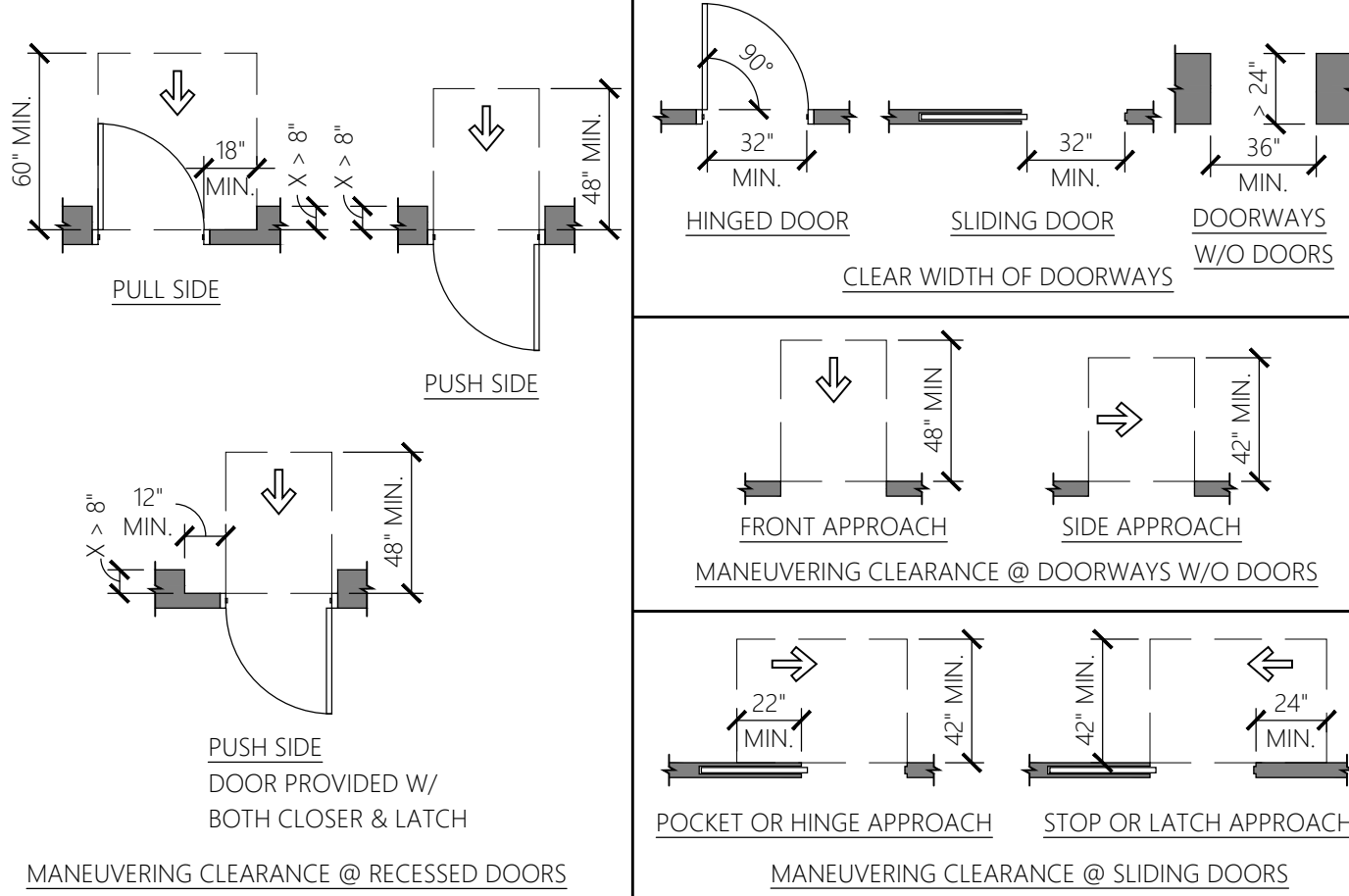
1. PROVIDE EXIT SIGNS AND DIRECTIONAL EXIT SIGNS AT LOCATIONS SHOWN ON THE FLOOR PLAN. EXIT SIGNS SHALL HAVE A MAXIMUM 6" HIGH BY 3/4" STROKE BLOCK LETTERS ON A CONTRASTING BACKGROUND.
2. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED BY TWO ELECTRIC LAMPS OR SHALL BE OF APPROVED SELF-LUMINOUS TYPE. IF TWO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

4-SGH-LS100-REV00

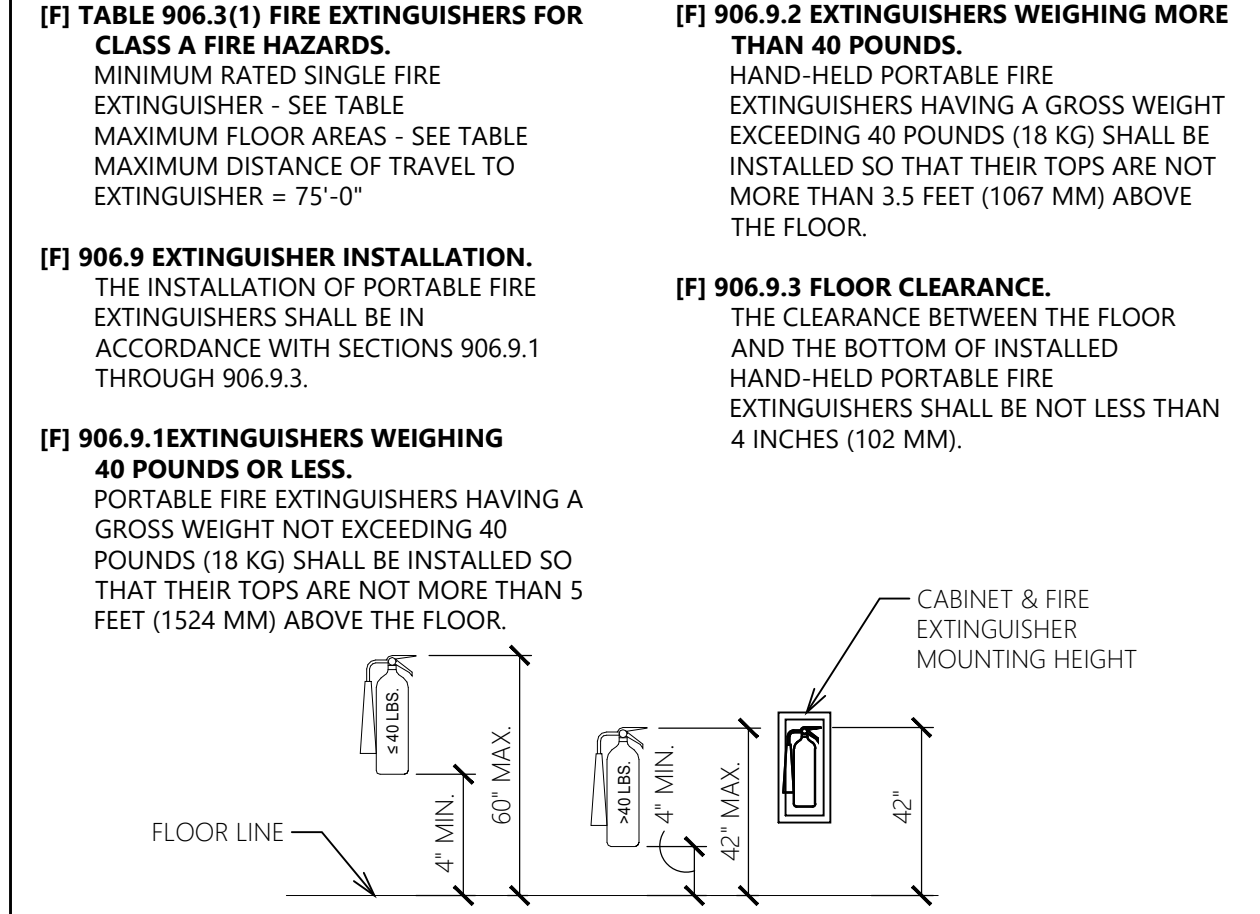
3 2009 ICC A117.1 ACCESSIBILITY MANEUVERING CLEARANCES



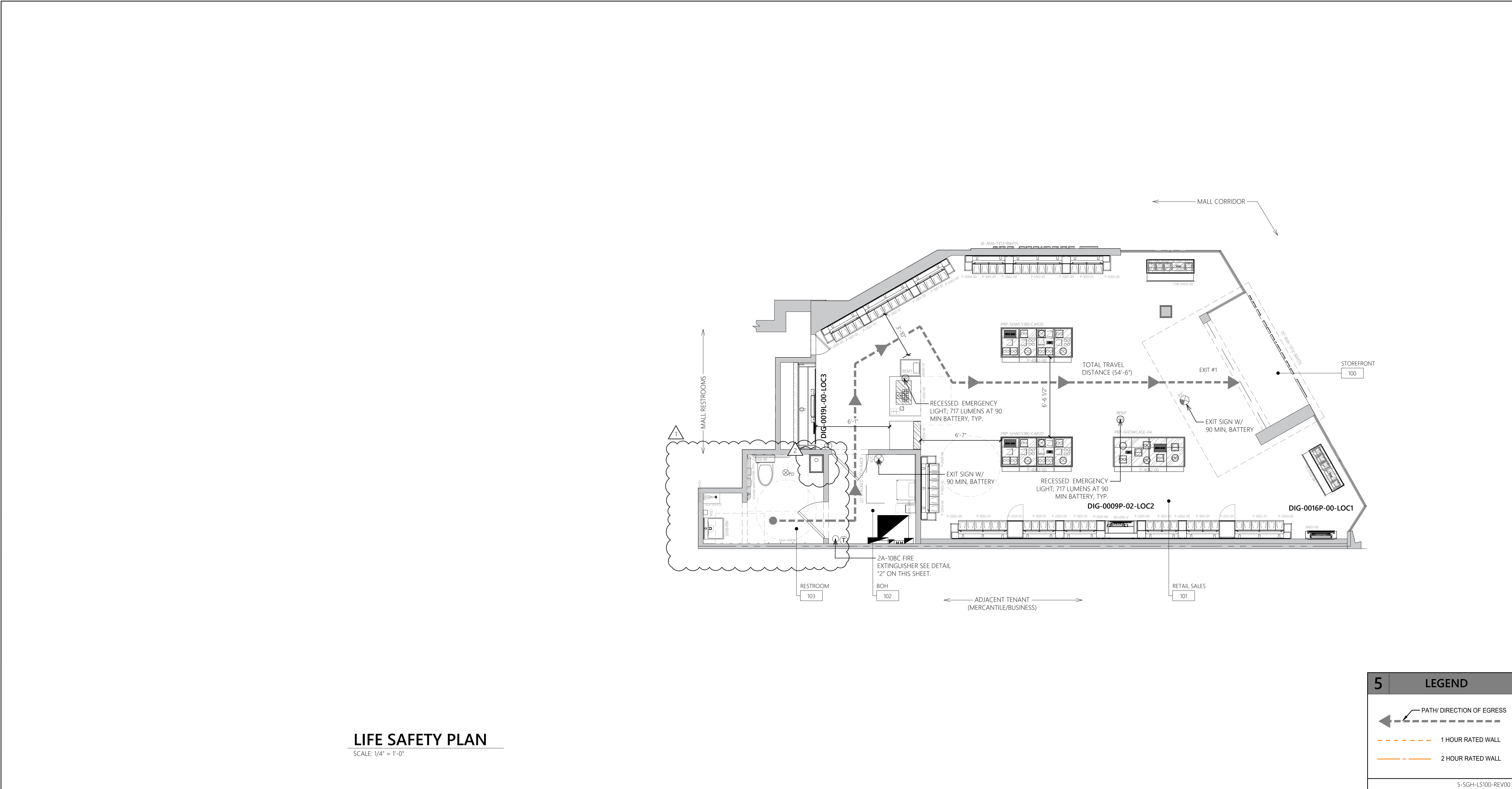
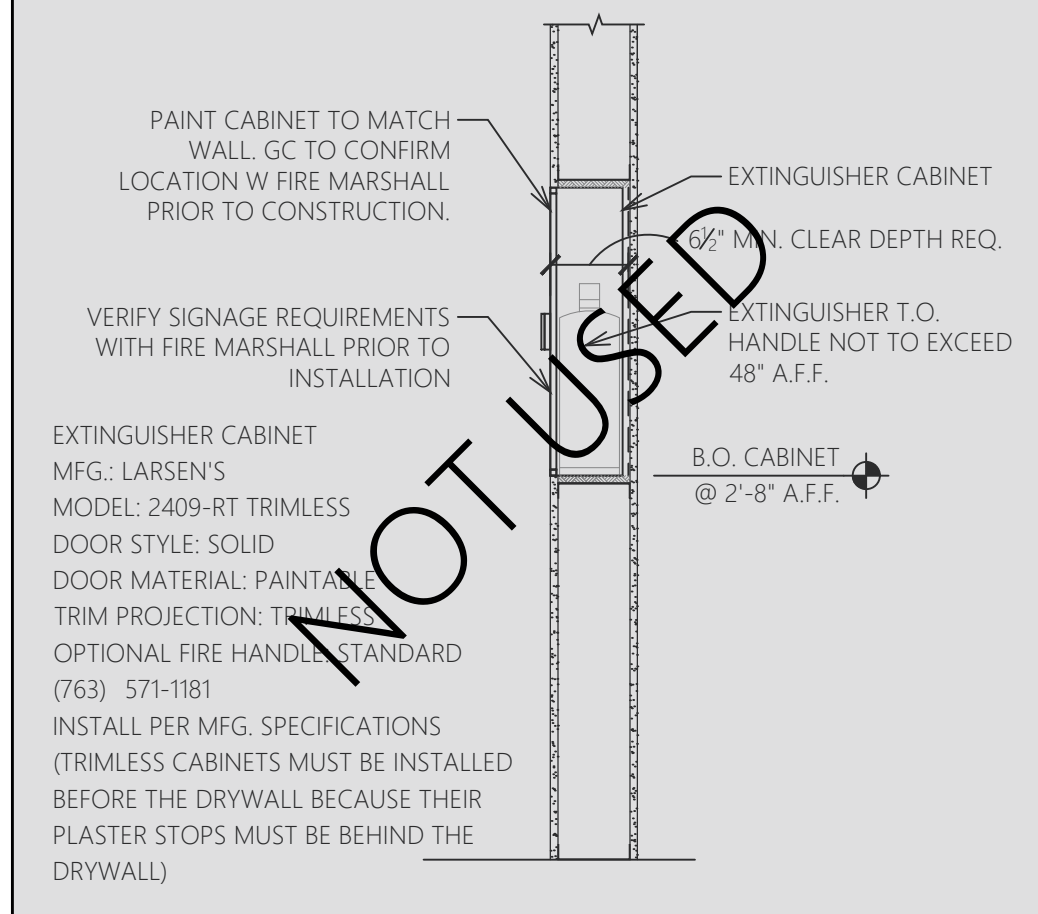
***SEE SHEET G002 FOR GENERAL ACCESSIBILITY INFORMATION**



2 2018 IBC: SECTION 906 PORTABLE FIRE EXTINGUISHERS



1 RECESSED FIRE EXTINGUISHER CABINET

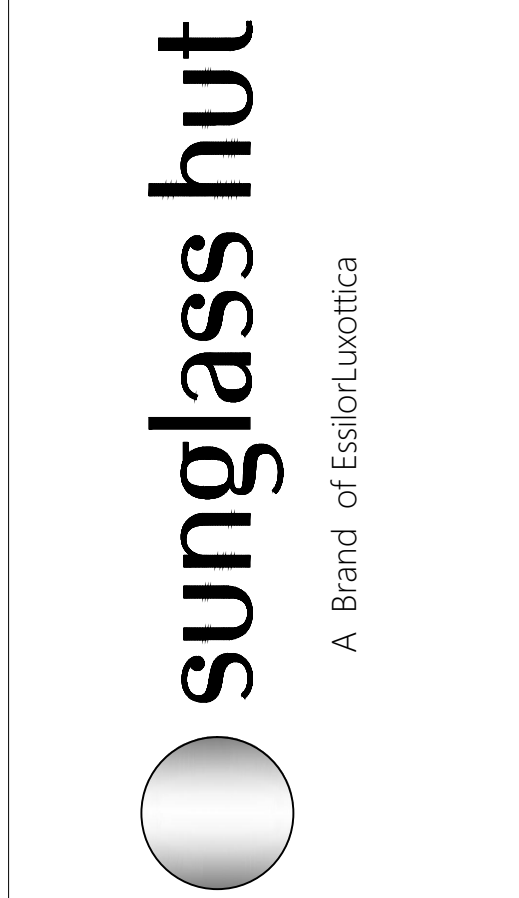


LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"

5 LEGEND

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

5-SGH-LS100-REV00



Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
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△	04/08/2026	SA
		DESIGN REV 12

Architect / Engineer of Record



Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

LIFE SAFETY PLAN

Date 04/08/2026
 Drawn By SA
 Checked By CC

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:	
<ul style="list-style-type: none"> 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	
CLEO HOLMES SENIOR ACCOUNT MANAGER BOSTON BARRICADE COMPANY, INC. 1151 19TH STREET VERY BEACH, FL 32960 DIRECT: 772-257-7316 CHOLMES@BOSTONRRS.COM	

5-SGH-AD101-REV00

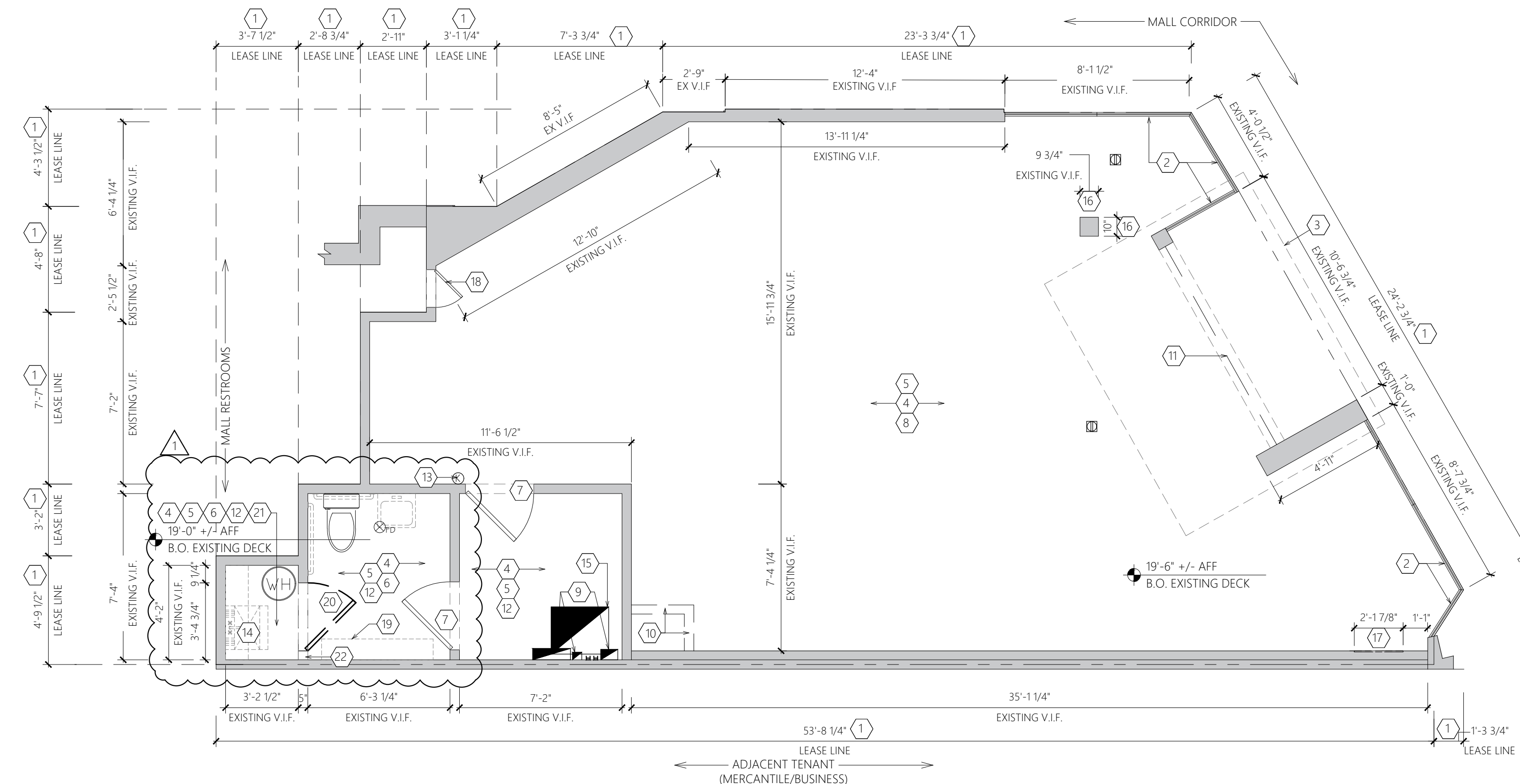
A LL NOTES	
LL COMMENT (N/D): BARRICADE: INSTALLATION OF BARRICADE SHALL BE COORDINATED AND APPROVED BY MALL MANAGEMENT TEAM WITH MALL'S REQUIRED BARRICADE CONTRACTOR OR PER MALL STANDARD BARRICADE CONSTRUCTION IF NO VENDOR REQUIRED. BARRICADE GRAPHICS SHALL BE SUBMITTED TO THE MALL MANAGEMENT TEAM FOR APPROVAL PRIOR TO INSTALLATION. A FLAT BARRICADE MAY BE AN OPTION SINCE YOU ARE NOT PERFORMING MAJOR STOREFRONT WORK.	

2 DEMOLITION PLAN - KEY NOTES	
1. LEASE LINE, G.C. TO VERIFY ACTUAL MEASUREMENTS AND REPORT ANY DISCREPANCIES IMMEDIATELY.	14. EXISTING MOP SINK AND SHELVING ABOVE TO BE REMOVED. SEE PLUMBING PLANS FOR ADDITIONAL INFORMATION. SEE FIXTURE AND CONSTRUCTION PLANS FOR NEW MOP SINK LOCATION.
2. EXISTING STOREFRONT GLAZING ASSEMBLY & FRAMING TO REMAIN. CLEAN AND RENDER TO "LIKE NEW". PREPARE STOREFRONT TO RECEIVE NEW FINISHES AS REQUIRED. SEE SHEET A300 FOR MORE INFORMATION.	15. EXISTING TRANSFORMER LOCATION. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.
3. REMOVE EXISTING STOREFRONT SIGNAGE. COORDINATE ELECTRICAL SERVICE W/ NEW STOREFRONT SIGNAGE. PATCH AND REPAIR STOREFRONT SUBSTRATE AS REQUIRED.	16. 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.
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.	17. OPEN UP EXISTING WALL TO ADD REQUIRED BLOCKING FOR DIGITAL MONITOR. PATCH AND REPAIR WALL TO LIKE NEW CONDITION AND PREP FOR NEW FINISHES. MAINTAIN ANY EXISTING RATINGS. REFER TO CONSTRUCTION PLAN AND FIXTURE PLAN FOR MORE INFO.
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.	18. ACCESS PANEL TO REMAIN AS IS PREP FOR NEW FINISH.
6. EXISTING TOILET ROOM: EXISTING TOILET AND FLOOR DRAIN TO REMAIN. REMOVE EXISTING SINK AND ALL EXISTING ACCESSORIES ONLY. REFER TO SHEET A210 AND THE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. REMOVE EXISTING FINISHES AS REQUIRED. PREPARE ALL EXISTING SURFACES TO RECEIVE NEW FINISHES AS REQUIRED AND BRING TO A LEVEL 4 FINISH WHERE APPLICABLE.	19. EXISTING TOILET ROOM SHELVES TO BE REMOVED. REFER TO SHEET A210 FOR ADDITIONAL INFORMATION.
7. EXISTING DOOR, FRAME AND HARDWARE TO REMAIN.	20. EXISTING DOOR, FRAME AND HARDWARE TO BE REMOVED.
8. REMOVE EXISTING CASHWRAP, FLOOR CASEWORK, FURNITURE, AND ASSOCIATED ELECTRICAL & DATA HOOK-UP. REMOVE WIRING AND CONDUIT BACK TO SOURCE.	21. EXISTING WATER HEATER LOCATED ABOVE THE CEILING TO REMAIN. SEE PLUMBING DRAWINGS FOR MORE INFO.
9. EXISTING ELECTRICAL PANEL LOCATIONS. REFER TO ELECTRICAL SHEETS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.	22. EXISTING PARTITIONS SHOWN DASHED ARE TO BE REMOVED. MAINTAIN THE EXISTING DOOR BULKHEAD TO KEEP THE CEILING INTACT. PATCH AND REPAIR THE OPENING AS REQUIRED. REFER TO DEMOLITION CEILING PLAN AND SHEET A210 FOR ADDITIONAL INFORMATION.
10. EXISTING PARTITIONS SHOWN DASHED ARE TO BE REMOVED AND DISCARDED.	
11. EXISTING SECURITY GRILLE TO REMAIN. GC TO ENSURE IN PROPER WORKING ORDER AND RENDER TO "LIKE NEW" CONDITION.	
12. EXISTING BOH & RESTROOM CEILING & LIGHTING TO REMAIN. REPLACE DAMAGED CEILING TILES AND RE-LAMP ALL EXISTING LIGHTING FIXTURES. SEE REFLECTED CEILING PLAN FOR EXISTING LIGHTING LAYOUT AD102.	
13. EXISTING THERMOSTAT TO BE REMOVED. REFER TO MECHANICAL SHEETS FOR MORE INFORMATION ON THE EXTENT OF DEMO AND NEW WORK.	

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.	N. GC SHALL VERIFY WITH MALL OPERATIONS MANAGER IF FLOOR X-RAYS OR SLAB SCANS ARE REQUIRED. PRIOR TO BID.
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.	O. ALL EXISTING AND NEW PENETRATIONS THROUGH RATED WALLS SHALL BE PROTECTED BY AN APPROVED FIRE STOP SYSTEM. SEE MALL OPERATIONS MANAGER.
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.	P. G.C. TO REPORT ACTUAL DIMENSIONS VS SHOWN DIMENSIONS TO PROJECT MANAGER PRIOR TO CONSTRUCTION LAYOUT.
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.	Q. INFILL EXISTING UNUSED CORE DRILL LOCATION USING CORE HOLE FILLING SYSTEM "HOLE MOLE" OR EQUAL.
E. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND/OR SPRINKLER DRAWINGS FOR ANY ADDITIONAL DEMOLITION NOTES.	R. G.C. TO COORDINATE THE TENANT PROVIDE AND INSTALLED TEMPORARY WINDOW GRAPHICS TO ACT AS CONSTRUCTION BARRICADE. COORDINATE REQUIREMENTS WITH LANDLORD.
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.	S. TEMPORARY BARRICADE TEMPORARY BARRICADE SHALL BE CONSTRUCTED PER ILD 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 GRAPHICS INSTALLATION. TEMPORARY BARRICADE MUST BE PRIMED AND PAINTED WITH (2) COATS OF EITHER EGGSHELL OR SEMI-GLOSS FINISH ONLY. GC IS RESPONSIBLE FOR MAINTAINING BARRICADE DURING CONSTRUCTION. REMOVE BARRICADE WHEN 100% OF STOREFRONT OR JOB IS COMPLETED ON THE EVENING BEFORE G.C.'S PUNCHLIST IS COMPLETED. PRIOR TO OWNER VERIFICATION, AND AFTER ILD 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.
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 ESSLOR LUXOTTICA'S PROJECT MANAGER'S APPROVAL.	T. 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.
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.	

1-SGH-AD101-REV00



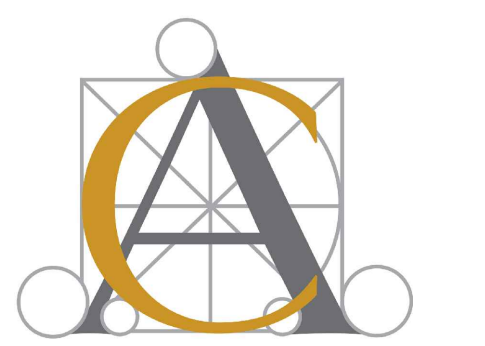
DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



Revisions:

Mark	Date	By
△	02/20/2026	SA
△		ACCESSIBILITY PLAN REVIEW#1
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△	04/08/2026	SA
△		DESIGN REV. 12

Architect / Engineer of Record



Seal



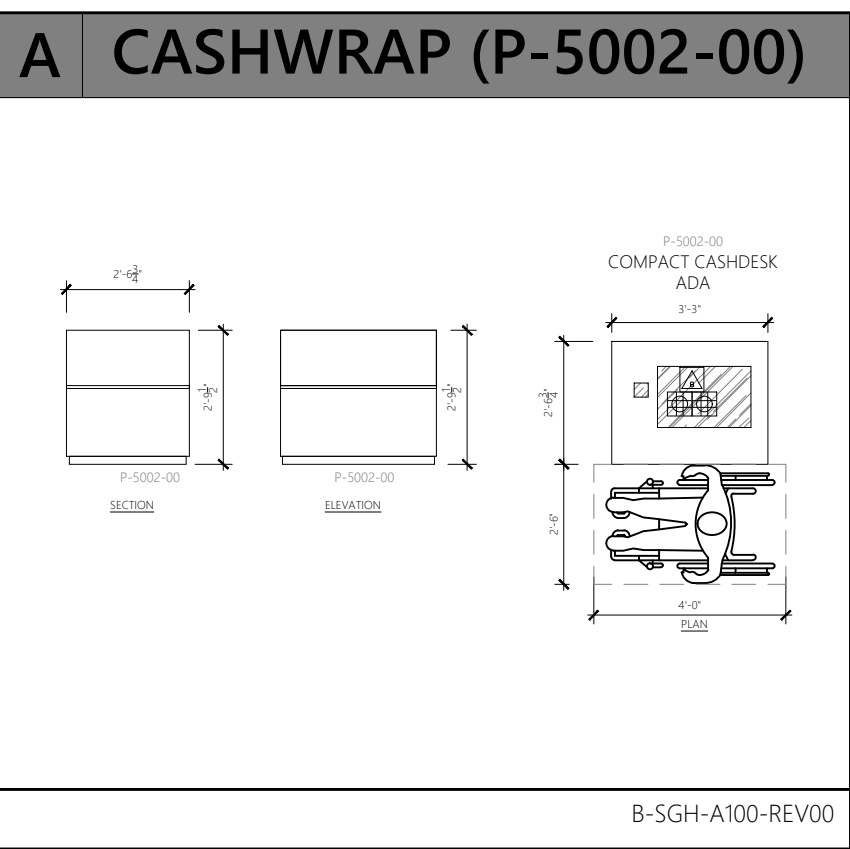
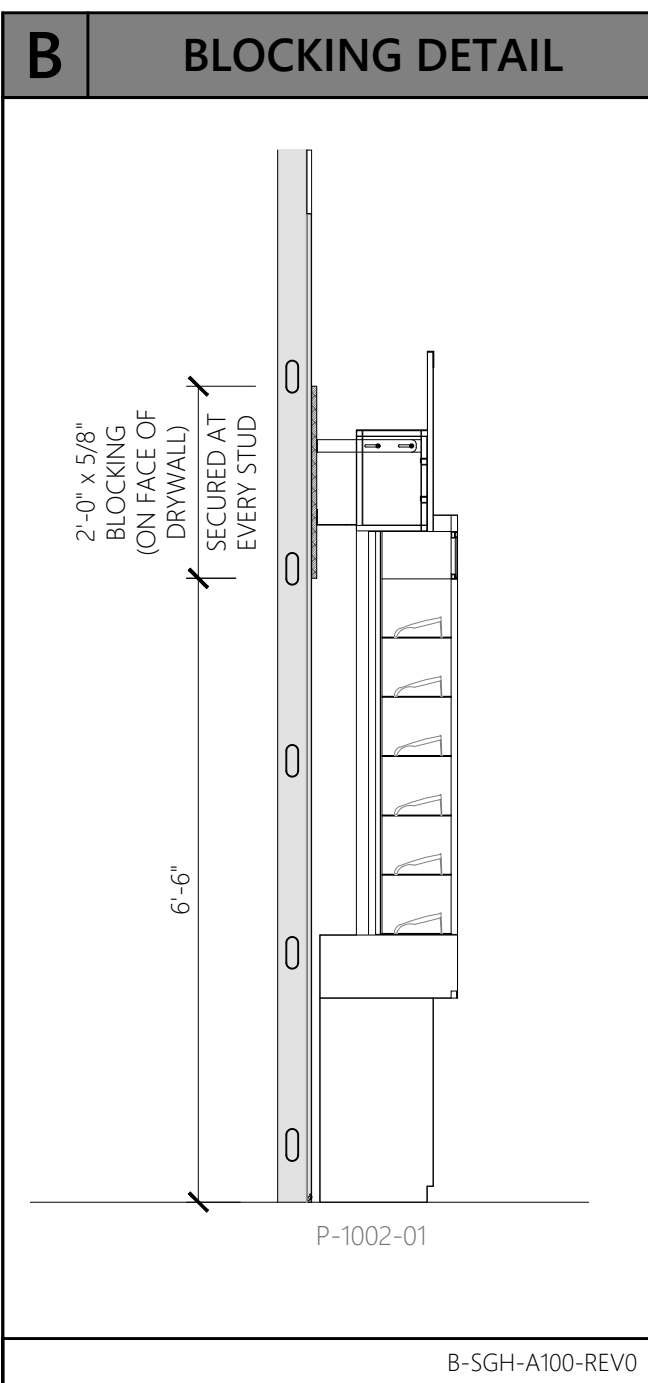
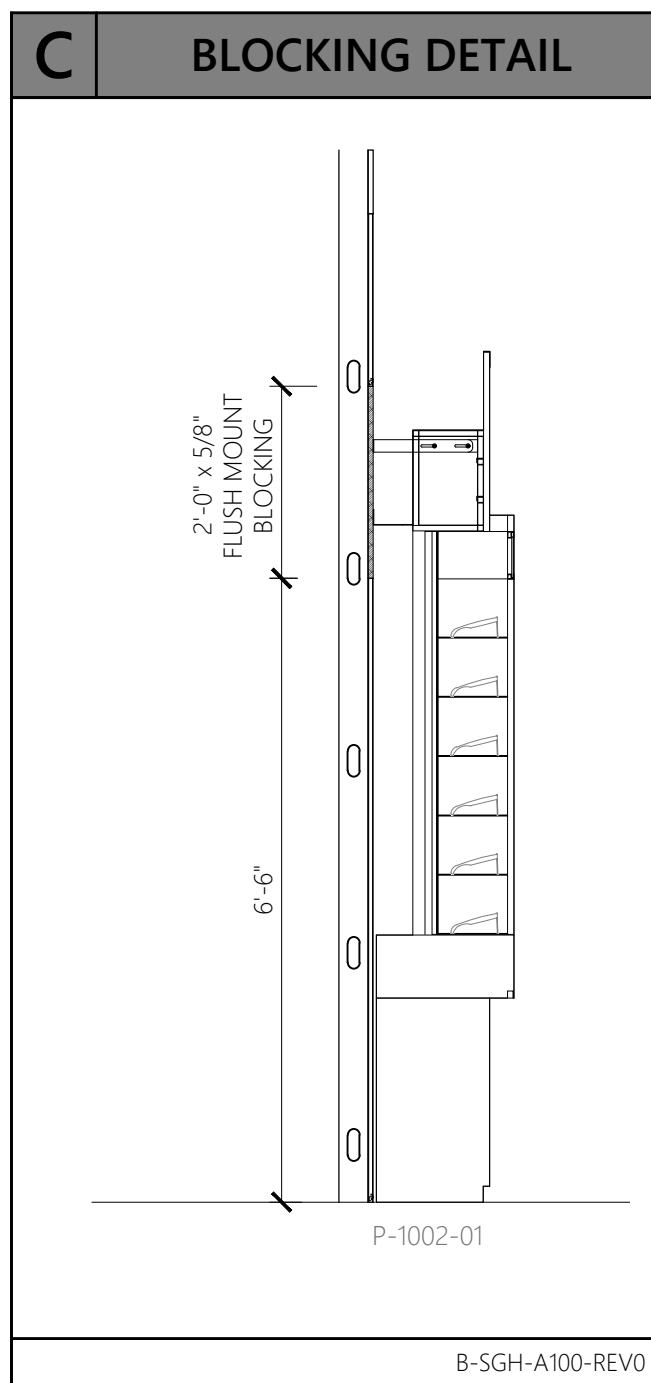
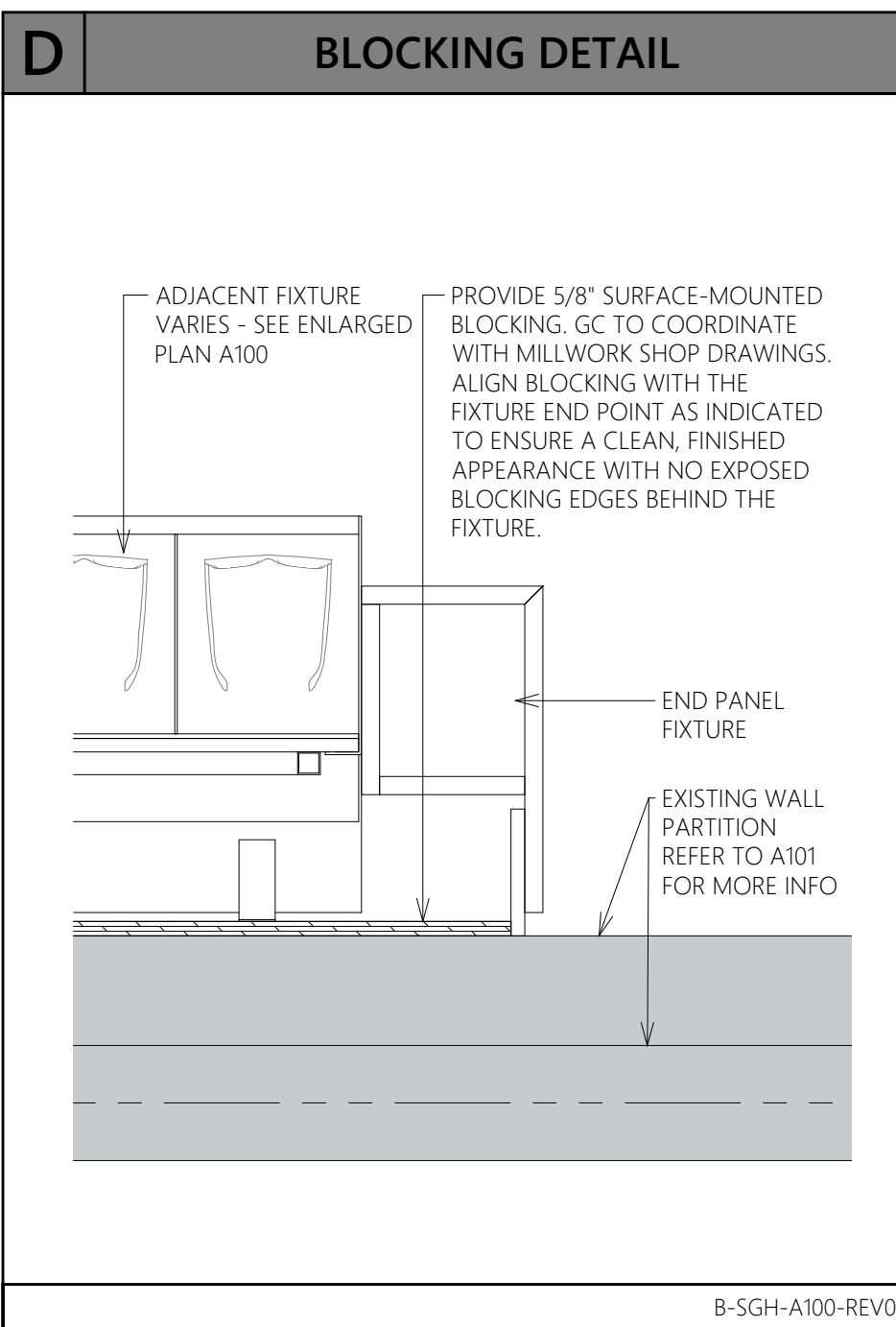
Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.: **REV 12**

EssilorLuxottica
Project Number 101228
Brand Design Type: SGH
DESIGN TYPE : SGH (PURE)
ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name: DEMOLITION PLAN

Date	04/08/2026	Sheet No.:	
Drawn By	SA		AD101
Checked By	CC		



TARGET FACINGS

BRAND	TARGET FACINGS	ACTUAL FACINGS
RAYBAN	250	140
SUN	700	616
TOTAL	950	756

MANUAL TAKEOFF ITEMS

CODE	DESCRIPTION	QUANTITY	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

- INSTALL SIGNAGE AND GRAPHICS PACKAGE ITEMS AS INDICATED. REFER TO RESPONSIBILITY SCHEDULE ON G002. REFER TO G002 SIGNAGE ACCESSIBILITY, INTERIOR AND EXTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS AS APPLICABLE. REQUEST SIGNAGE AND GRAPHICS STANDARD FROM ESSILOR LUXOTTICA PROJECT MANAGER.
- EXISTING WATER HEATER ABOVE THE CEILING TO REMAIN. COORDINATE WITH PLUMBING DRAWINGS FOR MORE INFO.
- COAT HOOKS AT 48" AND 72" TO CENTERLINE OF HOOKS. SEE ELEVATIONS FOR LOCATION DIMENSIONS.
- 2A-108C FIRE EXTINGUISHERS AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATIONS AND QUANTITIES ON PLAN) SEE SHEET L5100 FOR MORE INFORMATION.
- SURFACE MOUNTED FIXTURE (MONITORS IN A SHROULD). SEE SHEET A430 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
- CONTRACTOR TO BOLT SAFE TO FLOOR. CHECK WITH SAFE MANUFACTURER FOR KIT OR BOLTING INSTRUCTIONS.
- SURFACE MOUNTED BLOCKING IS REQUIRED FOR PERIMETER WALL FIXTURES. BLOCKING IS CONTINUOUS, SEE DETAIL 'B' ON THIS SHEET.
- FLUSH MOUNTED BLOCKING IS REQUIRED FOR PERIMETER WALL FIXTURES. BLOCKING IS CONTINUOUS, SEE DETAIL 'C' ON THIS SHEET.
- ACCESSIBLE COUNTER TO COMPLY WITH FEDERAL, STATE, & LOCAL CODES. SEE CORRESPONDING DETAILS 'A' ON THIS SHEET.
- EXISTING RESTROOM PLUMBING FIXTURES (TOILET AND FLOOR DRAIN) WILL REMAIN. A NEW SINK AND ASSOCIATED ACCESSORIES ARE TO BE INSTALLED. REFER TO THE ENLARGED RESTROOM PLANS AND TYPICAL RESTROOM ELEVATIONS ON SHEET A210, AS WELL AS THE PLUMBING SHEETS FOR ADDITIONAL INFORMATION. REFER TO RESPONSIBILITY SCHEDULE ON SHEET G002.
- 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.

NEW IT RACK REFER TO ELECTRICAL DRAWINGS FOR MORE INFO.

END OF SURFACE MOUNTED BLOCKING TO BE CONCEALED BY GC. REFER TO DETAIL D/A100 ON THIS SHEET FOR MORE INFORMATION.

TEMP SENSOR LOCATION. REFER TO MECHANICAL AND ELECTRICAL DWGS FOR MORE INFO.

THERMOSTAT LOCATION. REFER TO MECHANICAL AND ELECTRICAL DWGS FOR MORE INFO.

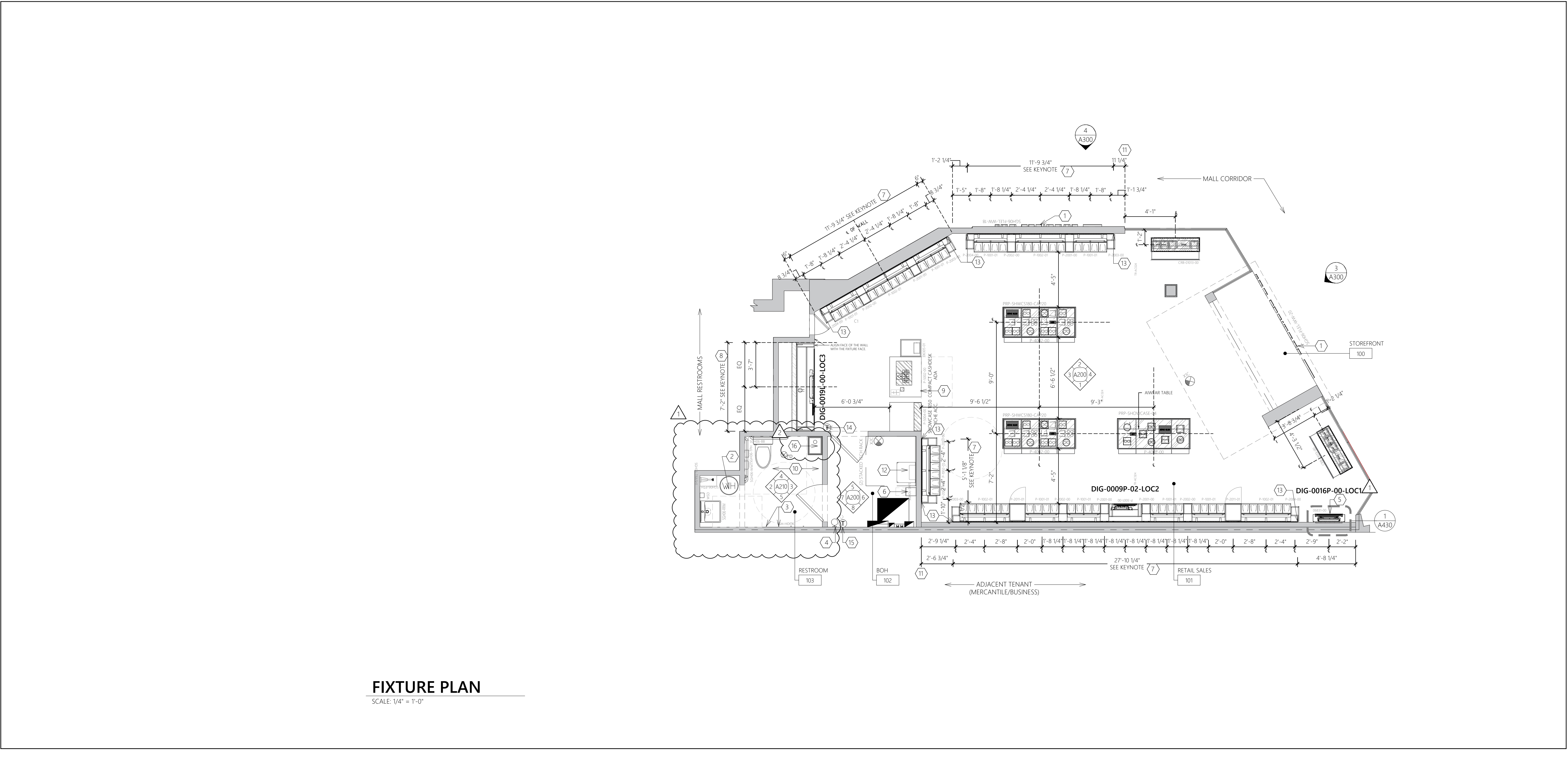
INSTALL NEW MOP SINK AS INDICATED. COORDINATE WITH PLUMBING DRAWINGS.

2-SGH-A100-REV1

1 GENERAL NOTES

- 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.
- ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.
- GC TO REFERENCE FIXTURE CONTRACTORS SHOP DRAWINGS FOR INSTALLATION INSTRUCTIONS FOR ALL FIXTURES, WALL CABINETS, BASE CABINETS, AND COUNTERTOPS. GC TO COORDINATE WITH FIXTURE CONTRACTOR TO ENSURE PROPER FIT OF ALL COMPONENTS.
- GC TO ENSURE FIXTURES ARE PROTECTED DURING CONSTRUCTION.
- GC TO PROVIDE ADEQUATE BRACING, AS REQUIRED, TO SUPPORT WALL CABINETS AND FIXTURES.
- GC TO SIGN FOR PACKAGES WITH A NOTE 'SUBJECT TO CONCEALED DAMAGES' ON IT.
- FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.
- 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



DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
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STORE 1818
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
		PLUMBING PLAN REVIEW
△	04/08/2026	SA
		DESIGN REV 12

Architect / Engineer of Record

Seal

Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.: **REV 12**

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

100% PRELIM CONSTRUCTION

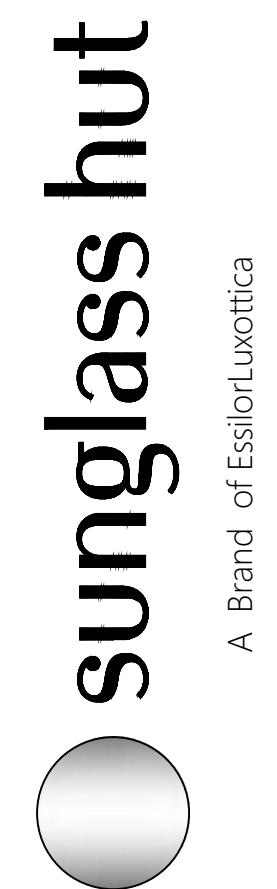
100% FINAL (PERMIT, BID) BULLETIN

ADDENDUM

Sheet Name: **FIXTURE FLOOR PLAN**

Date: 04/08/2026
Drawn By:
Checked By: SA
CC

Sheet No.: **A100**

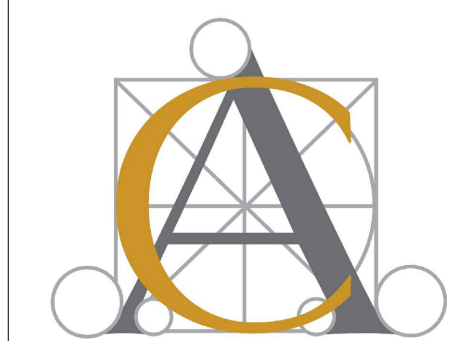


A Brand of EssilorLuxottica

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CONSTRUCTION FLOOR PLAN

Date 04/08/2026

Drawn By SA

Checked By CC

Sheet No.:

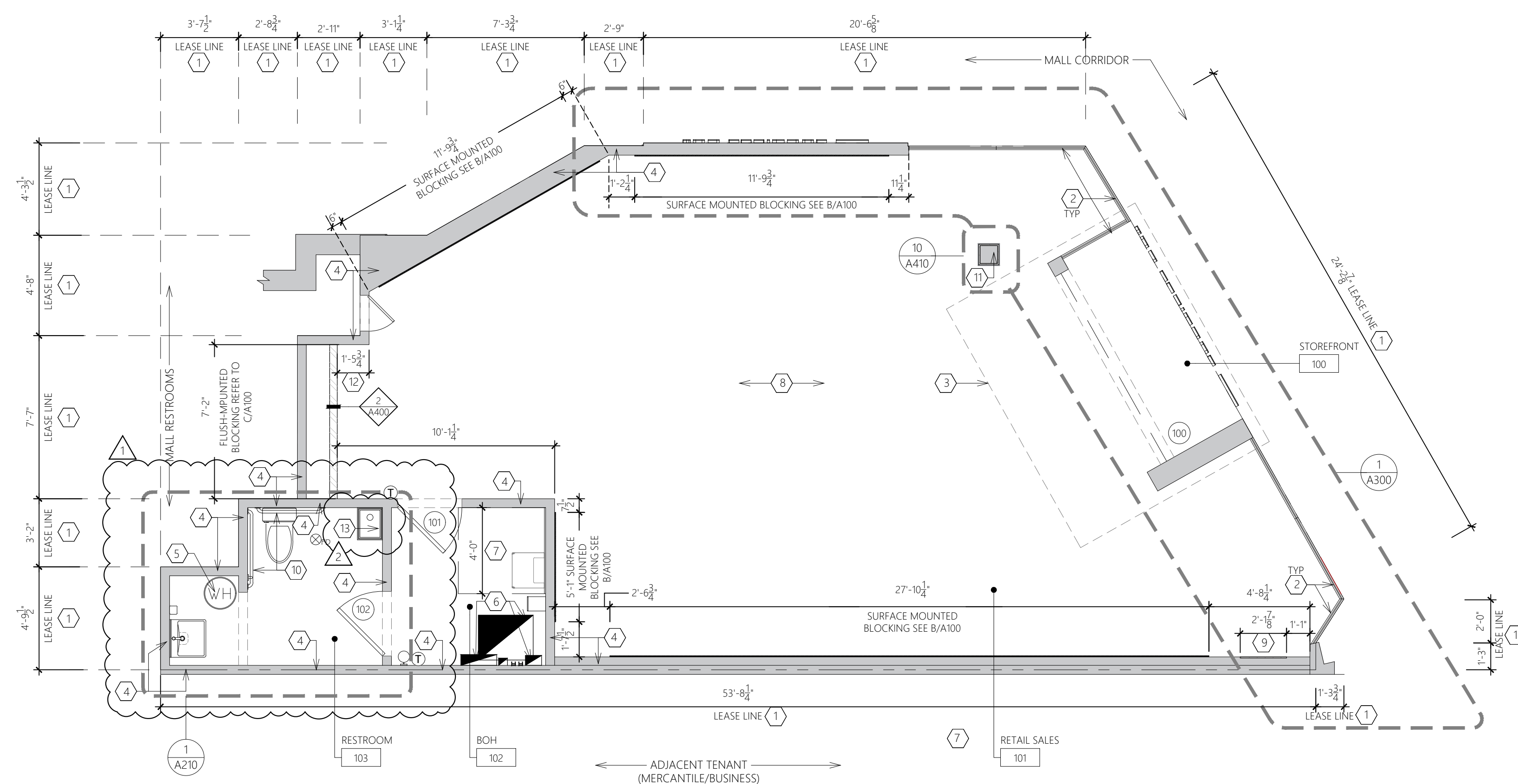
A101

A LL NOTES	
LL COMMENT (NID): CONSTRUCTION NOTES:	
1. TENANT'S CONTRACTOR MUST KEEP THIS SET OF DRAWINGS ON SITE AT ALL TIMES DURING CONSTRUCTION.	
2. ANY CHANGES REQUIRED DURING CONSTRUCTION TO THE SCOPE AS INDICATED ON THESE DRAWINGS SHALL BE PRESENTED TO THE TENANT COORDINATOR IN WRITING.	
3. PRIOR TO BEGINNING WORK TENANT AND/OR THEIR CONTRACTOR SHALL HAVE:	
A. AN APPROVED PERMIT FROM THE CITY	
B. THE CONSTRUCTION BARRICADE AND GRAPHICS INSTALLED	
C. A PRE-CONSTRUCTION MEETING WITH THE OPERATIONS DIRECTOR AND HAVE ALL DEPOSITS/FEES, ETC. PAID IN FULL.	
4. TENANT TO ENSURE HVAC UNIT IS FULLY FUNCTIONAL AND OPERATING AT OPENING. UNIT SHOULD BE SERVICED TO INCLUDE NEW FILTERS, BELTS AND CLEANING OILS.	
3-SGH-A101-REV00	

3 WALL LEGEND	
	CENTER LINE
	LEASE LINE
	NEW WALLS
	NEW WALL W/ SOUND BATTS
	EXISTING WALLS
	NEW/EXTG. BULKHEAD
	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 AND PREPARE FOR REGLAZING. SEE SHEET A300.
3.	EDGE OF STOREFRONT SOFFIT ABOVE. SEE REFLECTED CEILING PLAN A102.
4.	EXISTING PARTITION TO REMAIN. G.C. TO PATCH/REPAIR AS REQUIRED TO BRING TO LIKE NEW CONDITION, MAINTAIN REQUIRED FIRE RATING, WHERE APPLICABLE, AND BRING TO A LEVEL 4 FINISH (WHERE EXPOSED TO NEW LAYOUT), TYP.
5.	EXISTING WATER HEATER ABOVE THE CEILING TO REMAIN. REFER TO PLUMBING DRAWINGS FOR MORE INFORMATION.
6.	ELECTRICAL DISTRIBUTION EQUIPMENT. REFER TO ELECTRICAL DRAWINGS. SEE SHEET A103 FOR FLOOR MARKING FOR REQUIRED CLEARANCE.
7.	NEW PHONE BOARD/TECH RACKS MOUNTED ON GC PROVIDED AND INSTALLED (1) 4'X 7'-5 1/2" F.R. PLY INSTALLED 7'-5 1/2" SIDE VERTICAL STARTING @ 6" A.F.F. AND EXTENDING TO THE CEILING. 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.
8.	SEE SHEET A100 FOR EXTENT OF BLOCKING NEEDED FOR FIXTURES.
9.	OPEN UP EXISTING WALL AT LOCATION SHOWN. PROVIDE REQUIRED FLUSH-MOUNTED BLOCKING FOR DIGITAL MONITOR. ENSURE BLOCKING IS PROPERLY ALIGNED WITH EXISTING GYP/SUM BOARD. PATCH AND REPAIR WALL TO LIKE-NEW CONDITION AND PREPARE FOR NEW FINISHES. MAINTAIN ALL EXISTING WALL RATINGS. REFER TO SHEET A430 FOR ADDITIONAL INFORMATION ALSO REFER FOR ELECTRICAL DWGS FOR EXTENT ELECTRICAL REQUIREMENTS.
10.	REFER TO SHEET A210 FOR GRAB BAR INSTALLATION DETAILS, TYPICAL.
11.	EXISTING COLUMN BUILD OUT TO REMAIN. G.C. TO BUILD OUT AND WRAP ALL FOUR SIDES WITH A MIRROR. SEE DETAIL 10/A410.
12.	CONFIRM THE DEPTH AT THE LOCATION SHOWN WITH THE CUSTOM FIXTURE SHOP DRAWINGS TO ENSURE ALIGNMENT BETWEEN THE ADJACENT SIDE WALL FACE AND THE FACE OF THE FIXTURE ITSELF.
13.	INSTALL NEW MOP SINK AT THE INDICATED LOCATION. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
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	



CONSTRUCTION FLOOR PLAN

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

A CEILING LEGEND								
SYMBOL	TYPE	DESCRIPTION	SYMBOL	TYPE	DESCRIPTION	SYMBOL	TYPE	DESCRIPTION
	i1 i2 i3	TRACK LIGHT HEAD. COLOR TO MATCH TRACK.		XIRW	EXIT SIGN - EDGE LIT LED (SEE GENERAL NOTE 'B' FOR MOUNTING)			SUPPLY DIFFUSER PAINT TO MATCH CEILING FINISH
	w1 w2	RECESSED ADJUSTABLE 2-LIGHT DOWNLIGHT, RECTANGULAR, PAINTED TRIM TO MATCH CEILING.		T-SPK	TRACK MOUNT SPEAKER, COLOR TO MATCH TRACK			RETURN DIFFUSER PAINT TO MATCH CEILING FINISH
	i01: 19'-11" i02: 25'-4" i04: 27'-2" i04: 29'-1" i05: 26'-0"	SURFACE MTD. THREE CIRCUIT TRACK TRIM = TRACK COLOR BLACK LENGTH = LENGTH OF TRACK		C1	SECURITY CAMERA, PAINT ENTIRE ASSEMBLY TO MATCH CEILING EXCEPT FOR LENS SOURCE			CEILING ACCESS PANEL, FINISH TO MATCH CEILING FINISH - SEE PLAN FOR SIZE
	REM1	RECESSED EMERGENCY LIGHT, PAINT ENTIRE ASSEMBLY TO MATCH CEILING, EXCEPT FOR LIGHT SOURCE			CONCEALED HEAD, CUSTOM COLOR CAP TO MATCH CEILING FINISH PREFERRED LOCATIONS SHOWN ON PLAN			EXHAUST FAN
	i2	MICRO RECESSED ADJUSTABLE LIGHTS - SEE ELECTRICAL SHEETS			PENDANT HEAD		TC	TRAFFIC COUNTER (SHOPPER TRAK)
	p01	RECESSED 2X2 LAY-IN FIXTURE - SEE ELECTRICAL SHEETS			WIFI - RECESS/FLUSH MOUNT PAINT COVER TO MATCH CEILING FINISH			WIFI - RECESS/FLUSH MOUNT PAINT COVER TO MATCH CEILING FINISH

A-SGH-A102-REV02

3 SPRINKLER NOTES	
<p>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.</p>	
<p>SPRINKLER COVER PLATE, CUSTOM COLORED FINISH</p> <p>THIS IS A GC SUPPLIED AND INSTALLED ITEM.</p> <p>TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER." INFORMATION TO HAVE READY:</p> <ul style="list-style-type: none"> • 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 <p>THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED AT THE BEGINNING OF PROJECT.</p>	
<p>3-SGH-A102-REV1</p>	

2 KEY NOTES	
<p>1. NEW STOREFRONT SIGN BY SIGN CONTRACTOR. SIGN TO BE MOUNTED ON THE FRONT OF THE BUILDING. SEE A300.</p> <p>2. EXISTING GYP IN THE RETAIL AREA TO REMAIN AND TO BE REPAIRED AS NEEDED. REPLACE AT EXISTING HEIGHT IF FURTHER DAMAGE IS FOUND WITH GYP-1. INSTALL GYP. BD. CEILING AS INDICATED PER THE FINISH SCHEDULE ON SHEET G020. SEE SHEET A440 FOR CEILING INSTALLATION DETAILS.</p> <p>3. EXISTING ACoustICAL CEILING TO REMAIN. REPLACE DAMAGED CEILING TILES AS REQUIRED. RE-LAMP ALL EXISTING LIGHTING FIXTURES. REFER TO MECHANICAL DRAWINGS FOR DIFFUSER AND RETURN GRILLE INFORMATION.</p> <p>4. PROVIDE AND INSTALL 24"x24" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.</p> <p>5. EXISTING STOREFRONT SOFFIT AT 8'-11" A.F.F. TO BE PATCHED AND REPAIRED AS REQUIRED TO ACCOMMODATE NEW LIGHTING. UNDERSIDE, SIDES AND FACE TO BE RE-CLADDED WITH MF-62 PER FINISH SCHEDULE ON SHEET G020. REFER TO SHEET A300 FOR EXTENT OF STOREFRONT FINISHES.</p> <p>6. 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.</p> <p>7. TRACK MOUNTED AUDIO SPEAKER SYSTEM INSTALLED BY TENANT VENDOR. G.C. TO COORDINATE WITH VENDOR.</p> <p>8. INSTALL TRAFFIC COUNTER (SHOPPER TRAK). REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.</p> <p>9. EXISTING EXHAUST FAN IN THE TOILET ROOM AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR DETAILS.</p> <p>10. RECESSED WIRELESS ACCESS POINT, OBERON 109-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.</p>	
<p>11. DIFFUSERS AND RETURN GRILLES LOCATED IN GYP CEILING ARE TO BE REUSED AND RELOCATED AND TO BE PAINTED TO MATCH THE CEILING. ALL DIFFUSERS ARE TO BE PAINTED BEFORE BEING INSTALLED IN THE CEILING. REFER TO MECHANICAL DRAWINGS FOR MORE INFO.</p> <p>12. BULKHEAD IN THE LOCATION SHOWN TO BE PATCHED AS REQUIRED AND PREPARED FOR FINISH TO MATCH ADJACENT WALLS.</p>	
<p>2-SGH-A102-REV02</p>	

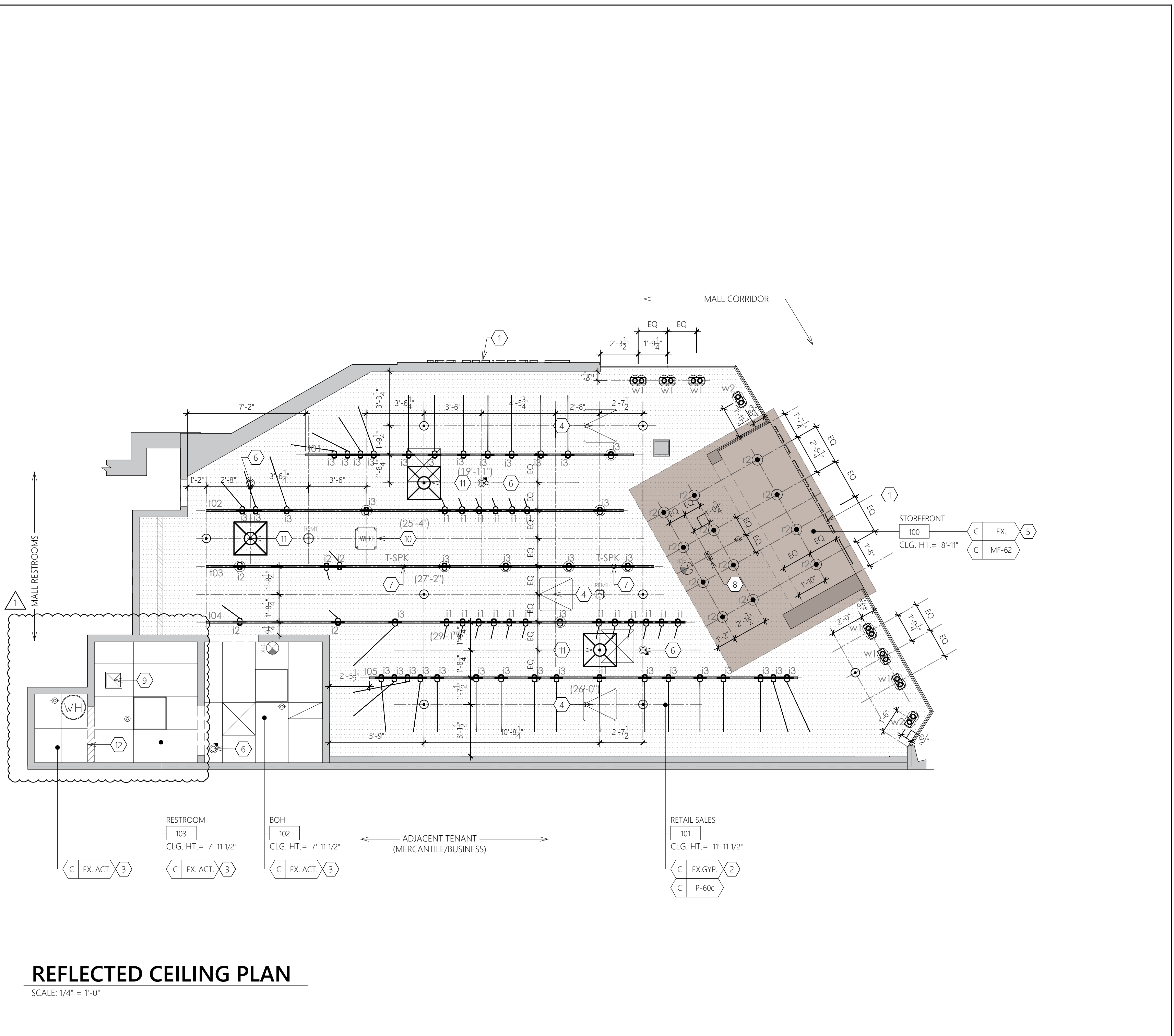
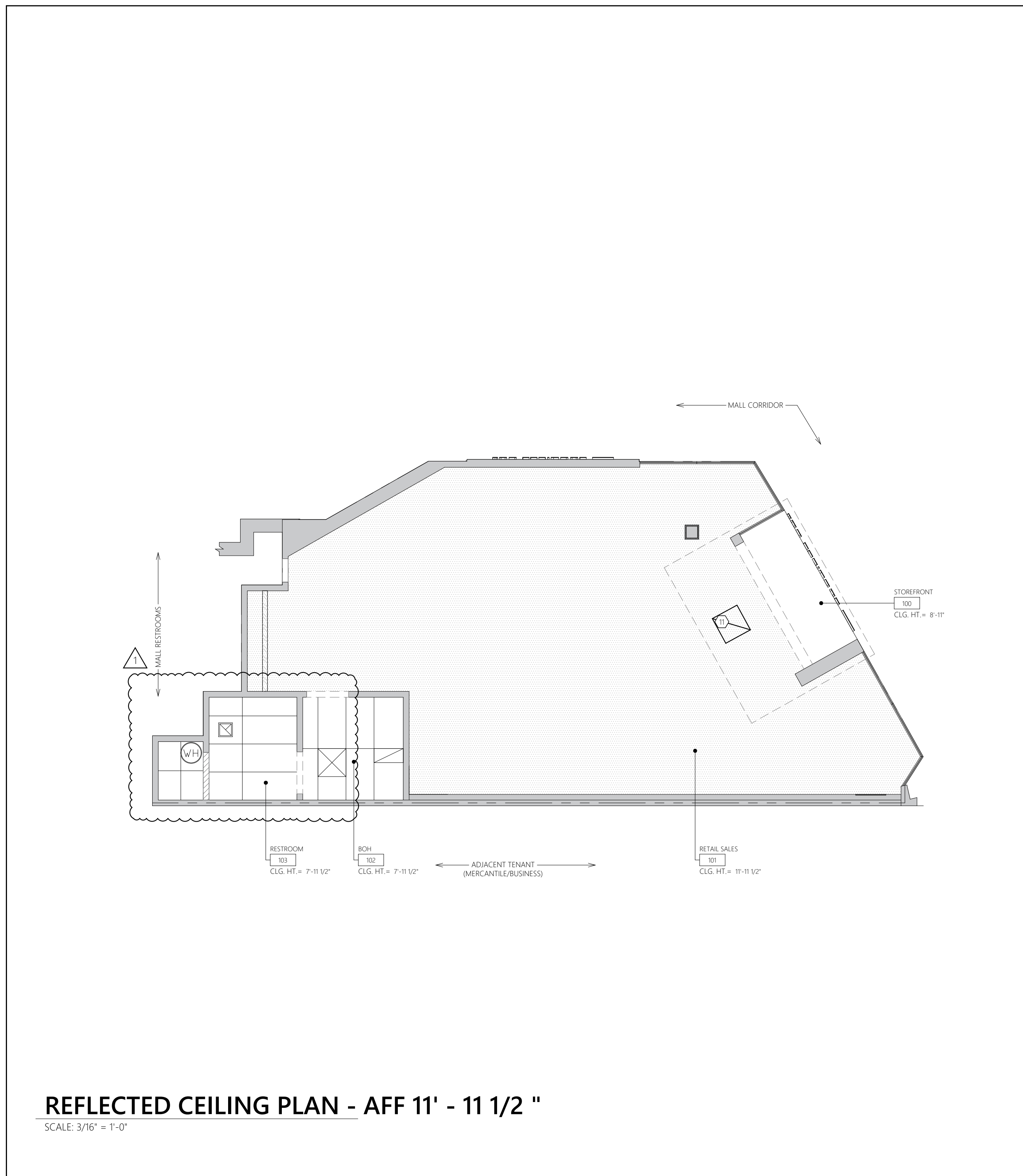
1 GENERAL NOTES	
<p>A. IT SHALL BE THE GC'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE GC SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR.</p> <p>B. EXIT LIGHTS AT THE STOREFRONT SHALL BE CEILING MOUNTED AND CENTERED OVER OPENINGS. EXIT/EMERGENCY LIGHTS AT DOOR TO NON-SALES AREAS SHALL BE CEILING MOUNTED AND CENTERED ABOVE DOOR OR OPENING. IF PLAN LOCATIONS ARE NOT ACCEPTABLE, IMMEDIATELY CONTACT ESSILOR LUXOTTICA PROJECT MANAGER FOR DIRECTION.</p> <p>C. GC'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINARIES AND ASSOCIATED LAMPS FURNISHED BY ESSILOR LUXOTTICA. SEE OR CODE ON THIS SHEET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS. GC IS RESPONSIBLE TO ENSURE THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL ALIGN 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.</p> <p>D. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED. LIGHTING AND ANY CEILING ELEMENT LOCATED WITHIN THE CEILING GRID SHALL BE CENTERED ON THE TILE UNLESS NOTED OTHERWISE.</p> <p>E. INSTALL ALL NEW LIGHTS AND TRACK AS INDICATED. COORDINATE WITH ELECTRICAL DRAWINGS.</p> <p>F. INSTALL SUPPLY AND RETURN AIR DIFFUSERS AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR SPECIFIC TYPES AND INSTALLATION DETAILS. DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING CEILING AREA. SEE KEYNOTE #11.</p> <p>G. INSTALL NEW SPRINKLER HEADS THROUGHOUT THE SPACE. COORDINATE WITH FIRE PROTECTION PLAN. GC TO ORDER FIRE SPRINKLER CAPS WITH CUSTOM COLOR TO MATCH CEILING COLORS. CODE REQUIRES ORDERING, NOT SELF PAINTING. (TYP) SEE NOTE ON THIS SHEET ABOUT ORDERING.</p> <p>H. GC TO PROVIDE AND INSTALL FIRE DAMPERS IN DUCTWORK AT ANY DEMISING WALL PENETRATIONS. TYP.</p> <p>I. ADEQUATE ACCESS PANELS OR DOORS SHALL BE INCORPORATED INTO TENANT WORK FOR INSPECTION SERVICE AND REPLACEMENT OF BOTH LANDLORD AND TENANT EQUIPMENT. COORDINATE PLACEMENT WITH LANDLORD'S ON-SITE REPRESENTATIVE.</p>	
<p>1-SGH-A102-REV1</p>	

OR CODE

- SPOTLINE, INSTALLATION MANUAL, CUTSHEETS, INSTALLATION VIDEO
- LIGHTING BOOK, CUTSHEETS, MOUNTING INSTRUCTIONS, VIDEO

ORC-001-REV00

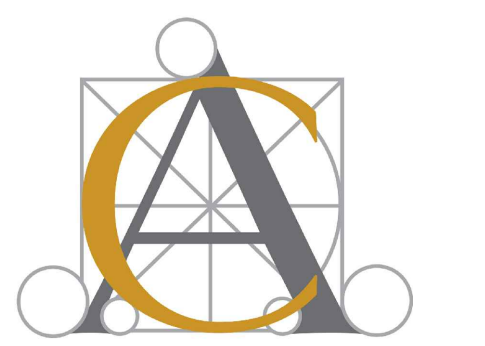
GC IS REQUIRED TO SUBMIT FIRE ALARM & SPRINKLER SHOP DRAWINGS TO THE ARCHITECT FOR APPROVAL BEFORE PROCEEDING WITH INSTALLATION, INSTALLATION WITHOUT ARCHITECTS APPROVAL IS SUBJECT TO FULL CORRECTION AT GC'S COST. GC MUST ALSO SUBMIT FOR APPROVAL ANY OTHER ITEM THAT IS ADDED TO THE CEILING OTHER THAN 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.



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Sheet Name:

REFLECTED CEILING PLAN

Date	Sheet No.:
04/08/2026	A102
Drawn By SA	
Checked By CC	

6 SGH ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE			
WALL FINISH	LUTRON DEVICE COLOR	WALL FINISH	LUTRON DEVICE COLOR
P-53	BRILLIANT WHITE (BW)		
P-57	LIGHT ALMOND (LA)		
P-61	MIDNIGHT (MN)	PWT-52	PEBBLE (PB)
P-62	MIDNIGHT (MN)		
P-501	MIDNIGHT (MN)		

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 ESSLOR LUXOTTICA PROJECT MANAGER.

ELECTRICIAN MUST COORDINATE WITH ARCHITECTURAL FINISH PLAN SHEET.

6-SGH-A103-REV00

5 SLAB CONDITION GENERAL NOTES

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 ROOMS, MOP SINK AND DRINKING FOUNTAIN. THE SLAB SHALL BE WATER PROOFED USING A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE EQUAL TO WIM-101 INSTALLED PER MANUFACTURER'S 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 LANDLORD'S 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.

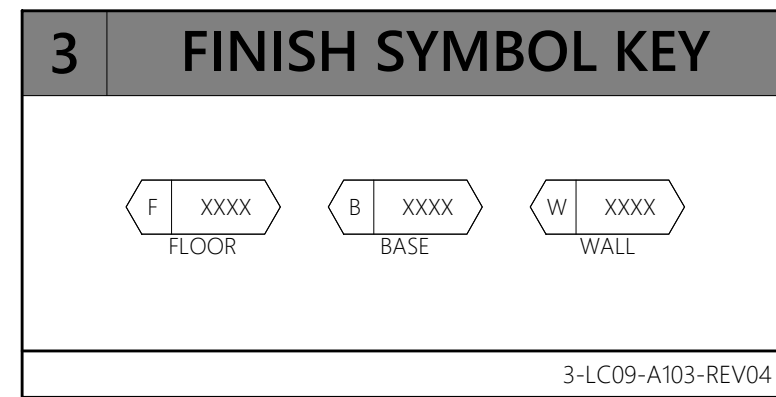
ALKALINITY AND ADHESION TESTING: PERFORM TESTS RECOMMENDED BY RESILIENT SHEET FLOORING MANUFACTURER. PROCEED WITH INSTALLATION ONLY AFTER SUBSTRATE ALKALINITY FALLS WITHIN RANGE ON PH SCALE RECOMMENDED BY MANUFACTURER PER TYPE OF FLOORING.

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 MANUFACTURER: 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



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

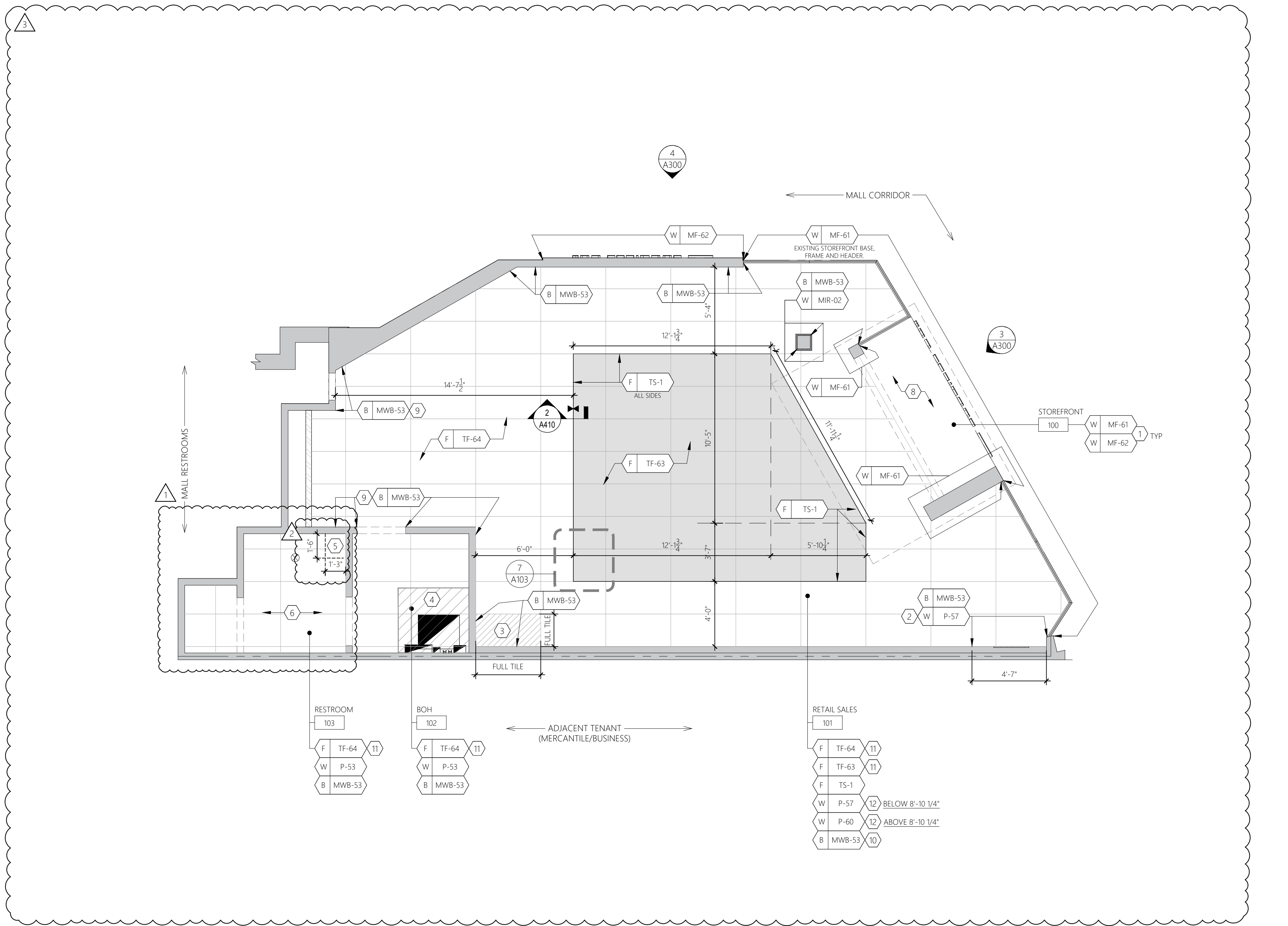
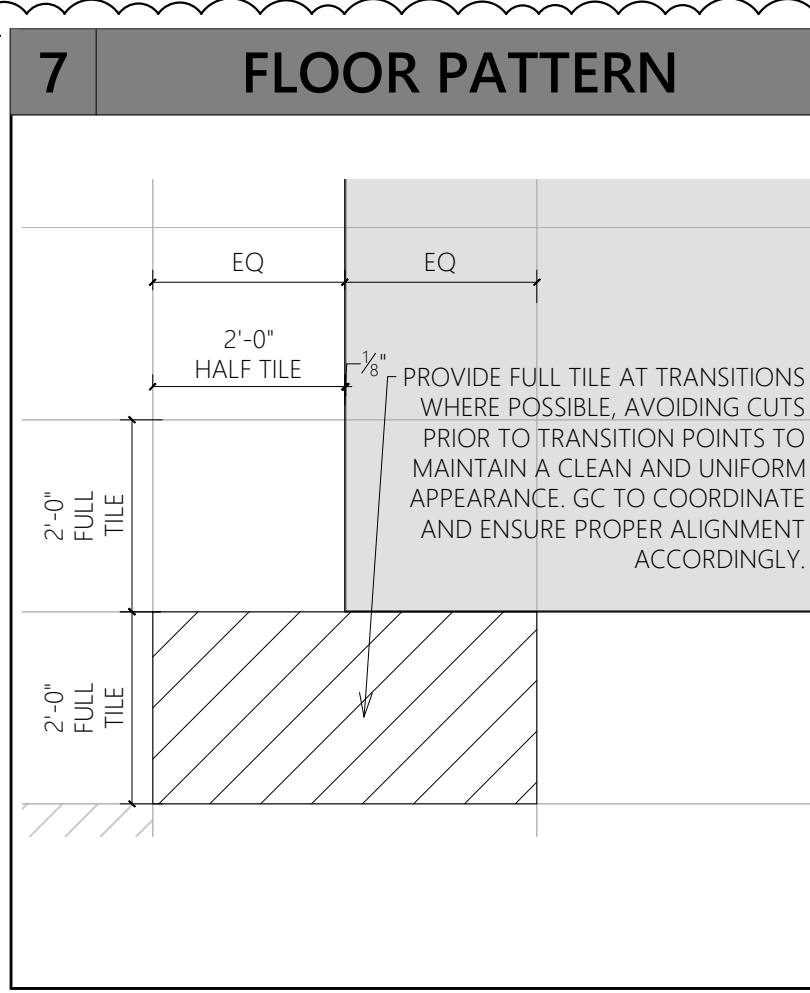
- EXISTING STOREFRONT TO REMAIN. RECLAD BASE AND GLAZING FRAME, INTERIOR AND EXTERIOR, AS WELL AS THE STOREFRONT HEADER WITH FINISH MF-61. RECLAD SIDE ELEVATION AND ENTRANCE BULKHEAD FACE, SIDES, AND UNDERSIDE WITH FINISH MF-62. REFER TO STOREFRONT SHEET A300 FOR ADDITIONAL INFORMATION.
- PAINT INTERIOR STOREFRONT AREA PARTITION IN THE LOCATION SHOWN (P-57) AS INDICATED. SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
- START FULL TILE AT THIS LOCATION.
- GC TO DEMARCATATE, 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.
- INSTALL NEW F.R.P. (FRP-40) TO 4'-0" AFF IN RESTROOM AND AT THE MOP SINK LOCATION, ARROWS AND DIMENSION INDICATES EXTENTS (2 SIDES). CAULK AROUND FRP TO THE WALLS WITH WHITE SILICONE CAULKING. REFER TO FINISH SCHEDULE AND ACCOUNT FOR ANY LEAD TIME ISSUES FOR COLOR SPECIFIC F.R.P.
- INSTALL WATERPROOF MEMBRANE (WM-101) MEMBRANE MUST EXTEND A MIN. OF 6" UP THE WALL. SEE WATERPROOFING NOTE THIS SHEET.
- PAINT INSIDE EDGE OF END PANEL P-501 BEFORE INSTALLATION OF SMART SHOPPER FIXTURE.
- EXISTING MALL FLOORING TO CLOSURE LINE TO REMAIN, IF DAMAGED DURING CONSTRUCTION GC TO REPLACE. COORDINATE WITH MALL OPERATIONS MANAGER FOR TILE SPEC.
- WALL BASE TO WRAP CORNER AND EXTEND 2" BEHIND PERIMETER FIXTURES.
- WALL BASE IS ONLY REQUIRED WHERE SHOWN. WALL BASE IS NOT REQUIRED BEHIND MILLWORK THAT GOES TO THE FLOOR.
- 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.
- PAINT RETAIL AREA PARTITIONS WITH P-57 UP TO 8'-10 1/4" A.F.F., ABOVE 8'-10 1/4" PAINT P-60. REFER TO SALES AREA ELEVATIONS FOR EXTENT OF WALL FINISHES.

2-SGH-A103-REV01

1 GENERAL NOTES

- 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.
- 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.
- REFER TO FINISH SCHEDULE ON SHEET G020 AND SPECIFICATIONS ON SHEET G003-G005.
- ALL TENANT FURNISHED ITEMS (MATERIAL & LABOR) TO BE SCHEDULED, COORDINATED & SUPERVISED BY G.C.
- 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.
- REFER TO DOOR SCHEDULE ON SHEET G010 FOR DOOR FINISHES. GC TO PREP EXISTING DOORS PRIOR TO RE-FINISHING.
- G.C. TO PROVIDE DURABLE FLOOR PROTECTION DURING CONSTRUCTION. PROVIDE WALK-OFF MAT AT BOTH SIDE OF ENTRY POINT(S) OF CONSTRUCTION AREA.
- REFER TO DETAIL S/A410 FOR SLAB POUR BACK DETAIL.
- G.C. TO PERFORM MOISTURE TEST. SEE SLAB CONDITIONS GENERAL NOTE ON THIS SHEET.
- 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 ESSLOR LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.
- INSTALL NEW FLOOR TILE AS SHOWN, G.C. TO MAINTAIN 1/8" GROUT JOINT FOR FLOORING. PROVIDE ALL FLOORING TRANSITIONS AS REQUIRED.
- 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.
- SEE DETAIL G/A410 FOR NEW WALL BASE.
- REFER TO REFLECTED CEILING PLAN ON SHEET A102 FOR CEILING AND SOFFIT FINISHES.

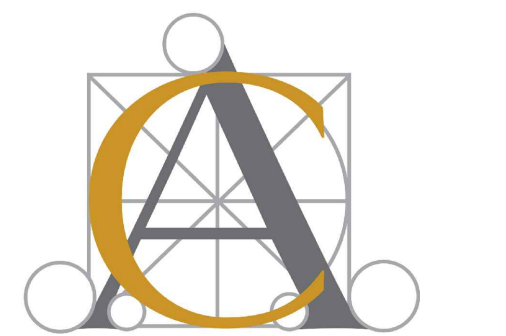
1-SGH-A103-REV01



Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
		PLUMBING PLAN REVIEW
△	04/08/2026	SA
		DESIGN REV 12

Architect / Engineer of Record



Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

FINISH PLAN

Date 04/08/2026

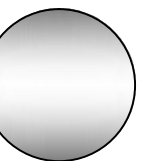
Drawn By SA

Checked By CC

Sheet No.: A103

Construction for:

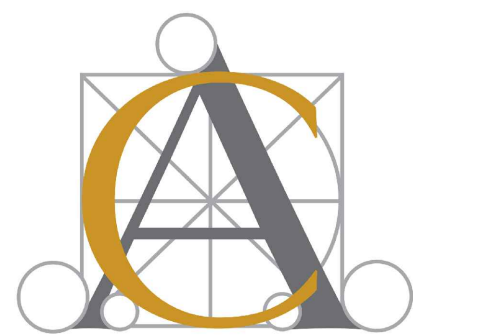
sunglass hut
 A Brand of EssilorLuxottica



Revisions:

Mark	Date	By
△	02/20/2026	SA
△		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
△		PLUMBING PLAN REVIEW
△	04/08/2026	SA
△		DESIGN REV. 12
△		
△		
△		

Architect / Engineer of Record



Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

- 100% PRELIM
- 100% FINAL (PERMIT, BID)
- BULLETIN
- ADDENDUM
- CONSTRUCTION

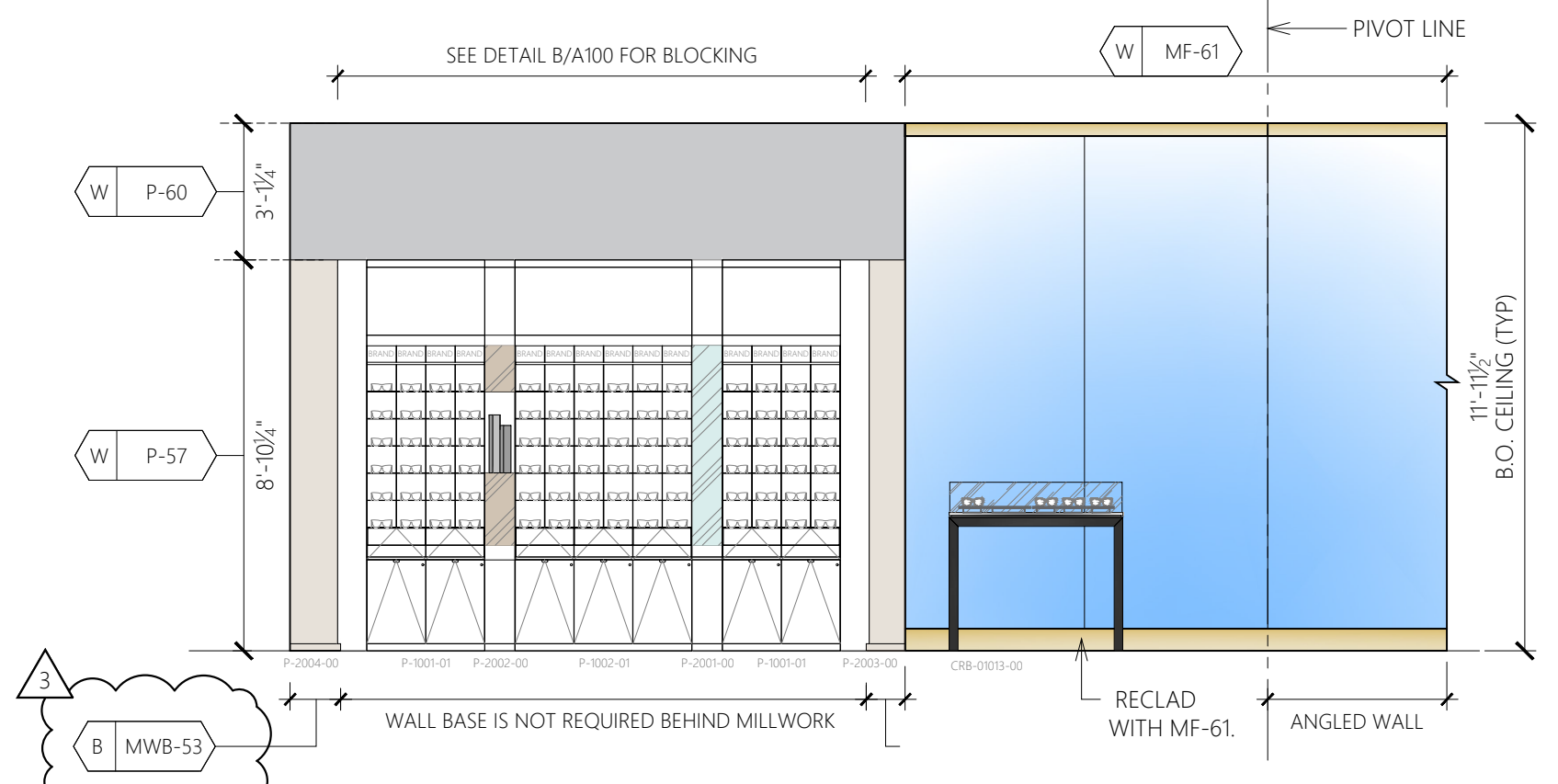
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INTERIOR ELEVATIONS

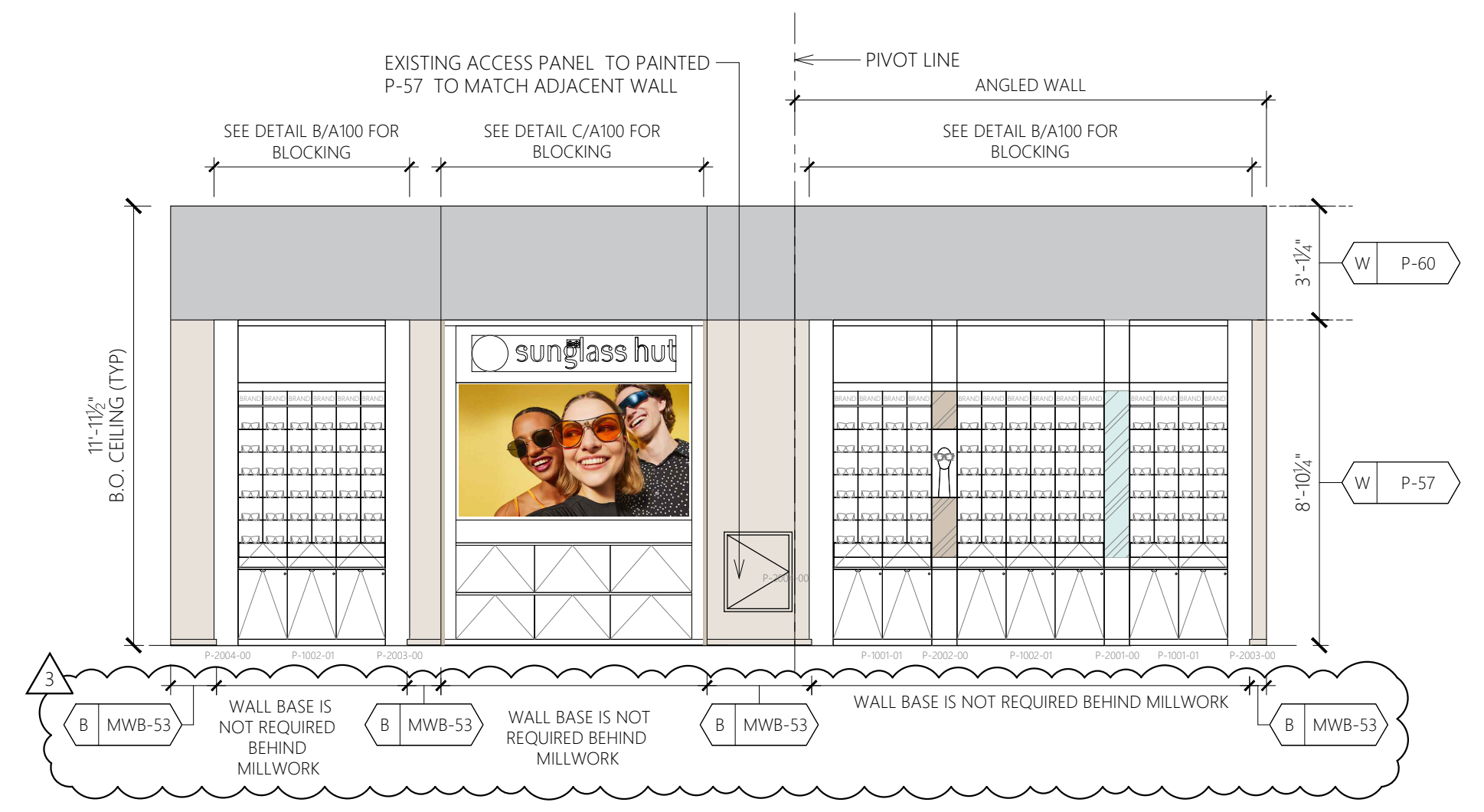
Date: 04/08/2026
 Drawn By: SA
 Checked By: CC
 Sheet No.: A200



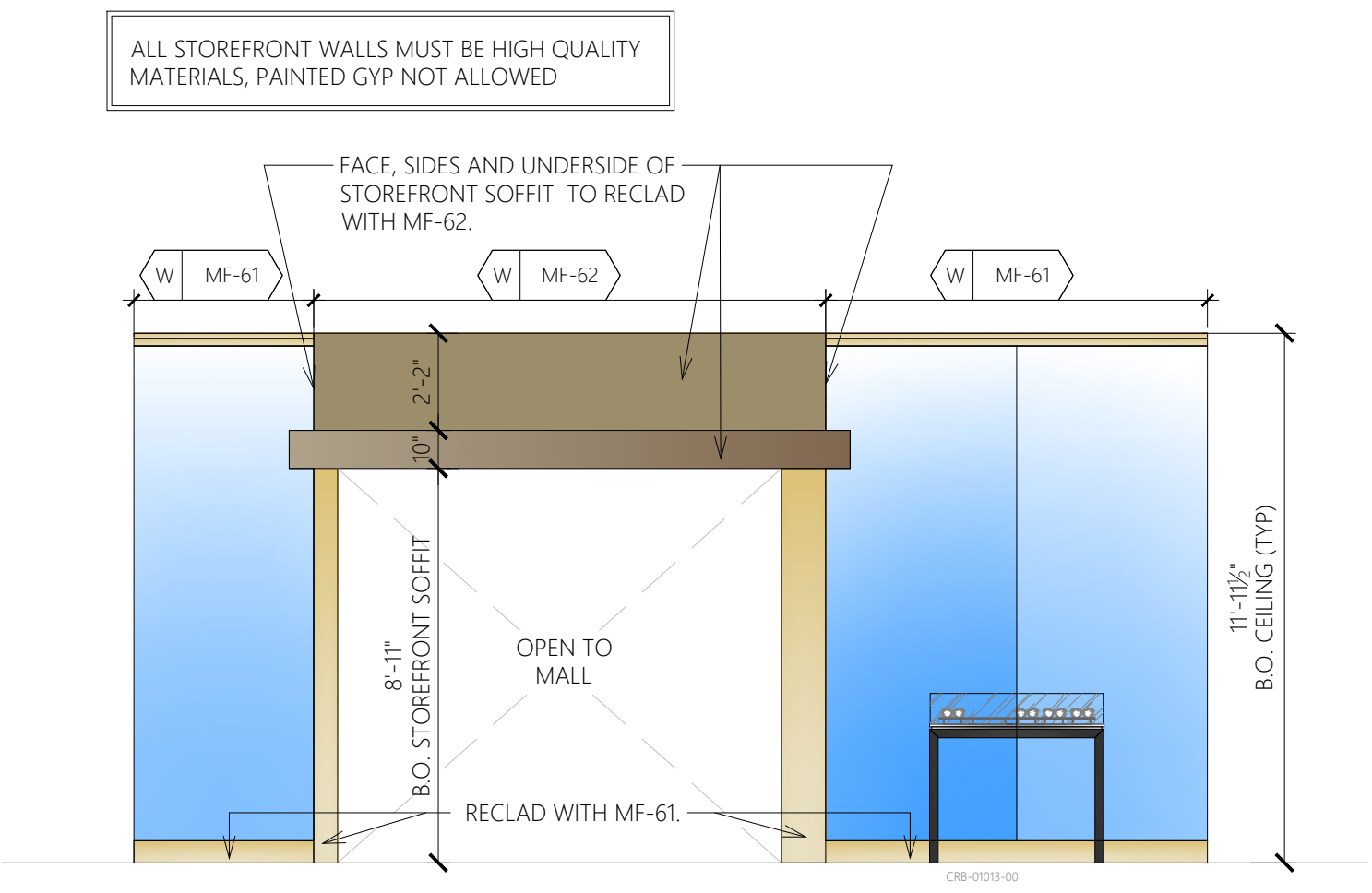
1 RETAIL SALES
 SCALE: 1/4" = 1'-0"



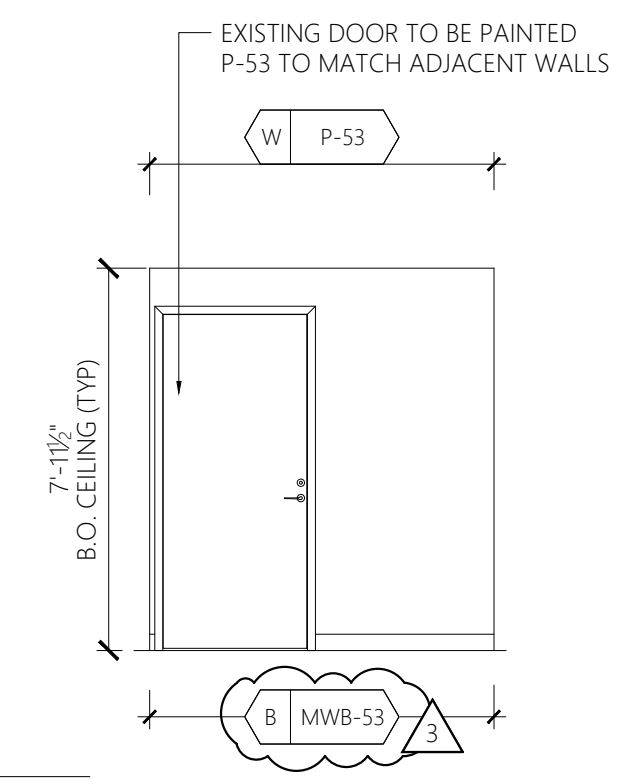
2 RETAIL SALES
 SCALE: 1/4" = 1'-0"



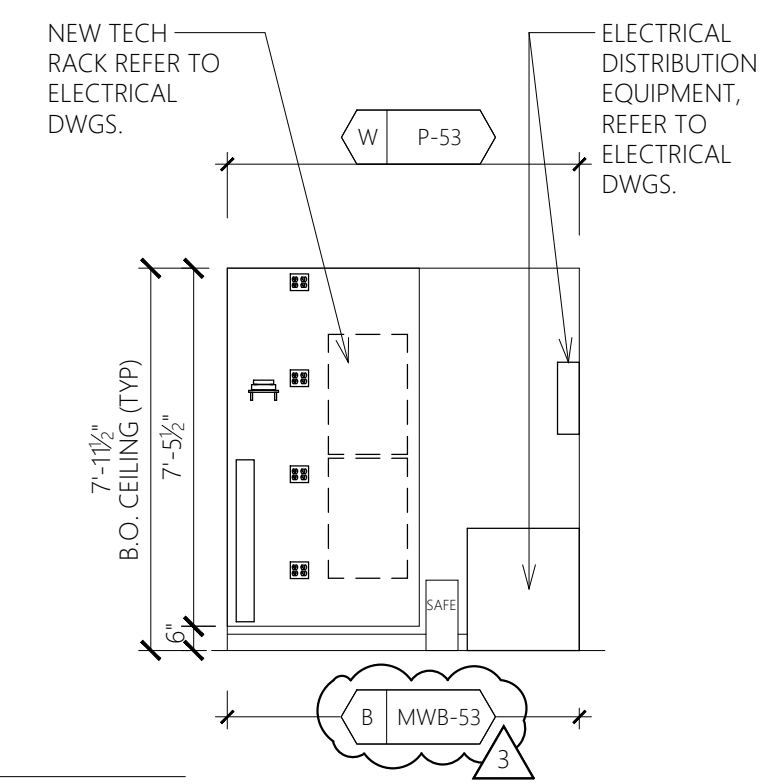
3 RETAIL SALES
 SCALE: 1/4" = 1'-0"



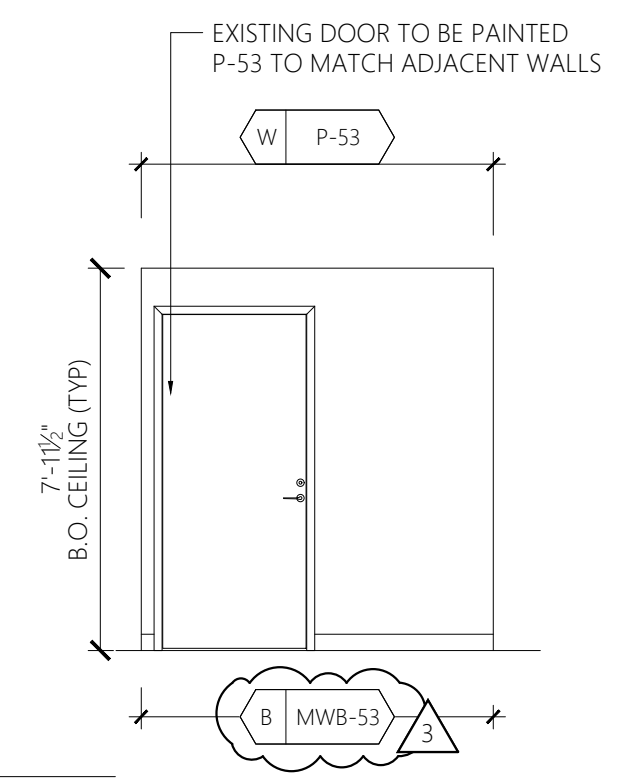
4 RETAIL SALES
 SCALE: 1/4" = 1'-0"



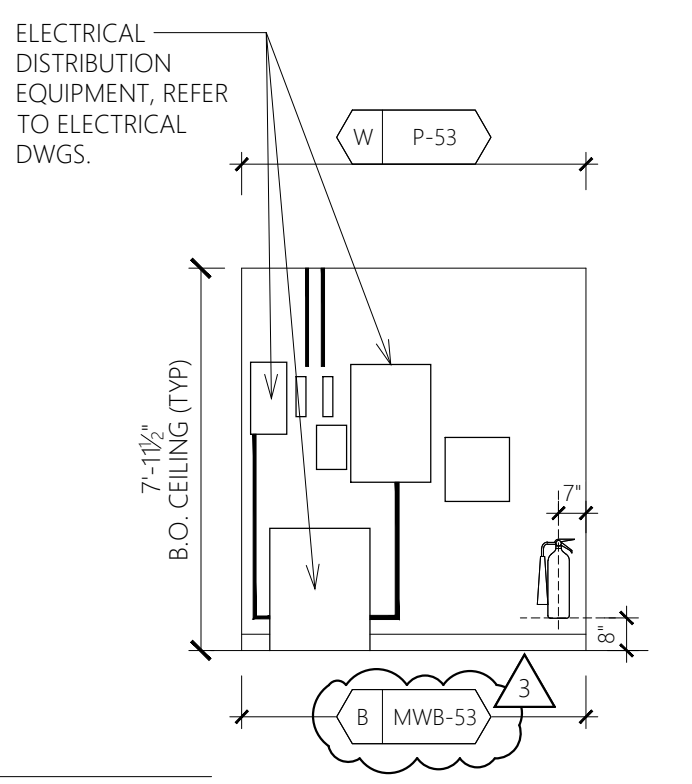
5 BOH
 SCALE: 1/4" = 1'-0"



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

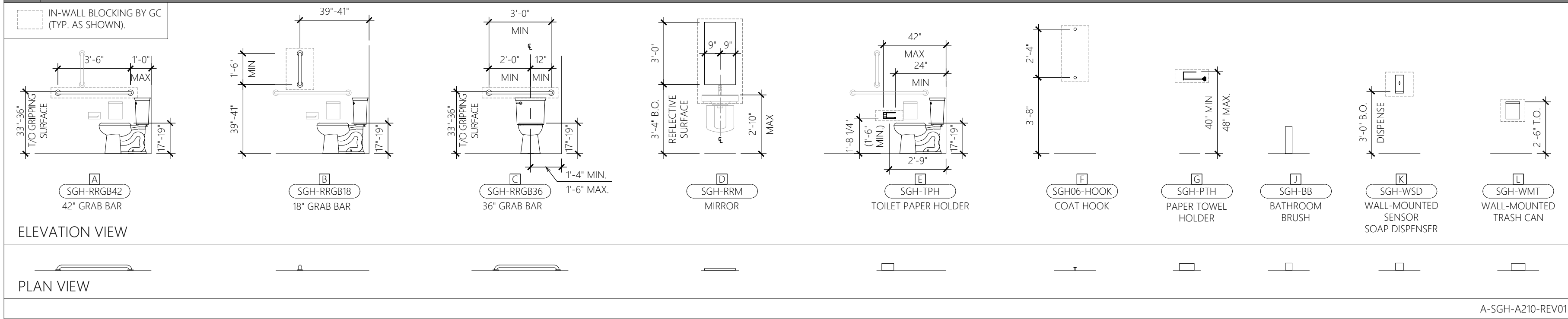


7 BOH
 SCALE: 1/4" = 1'-0"

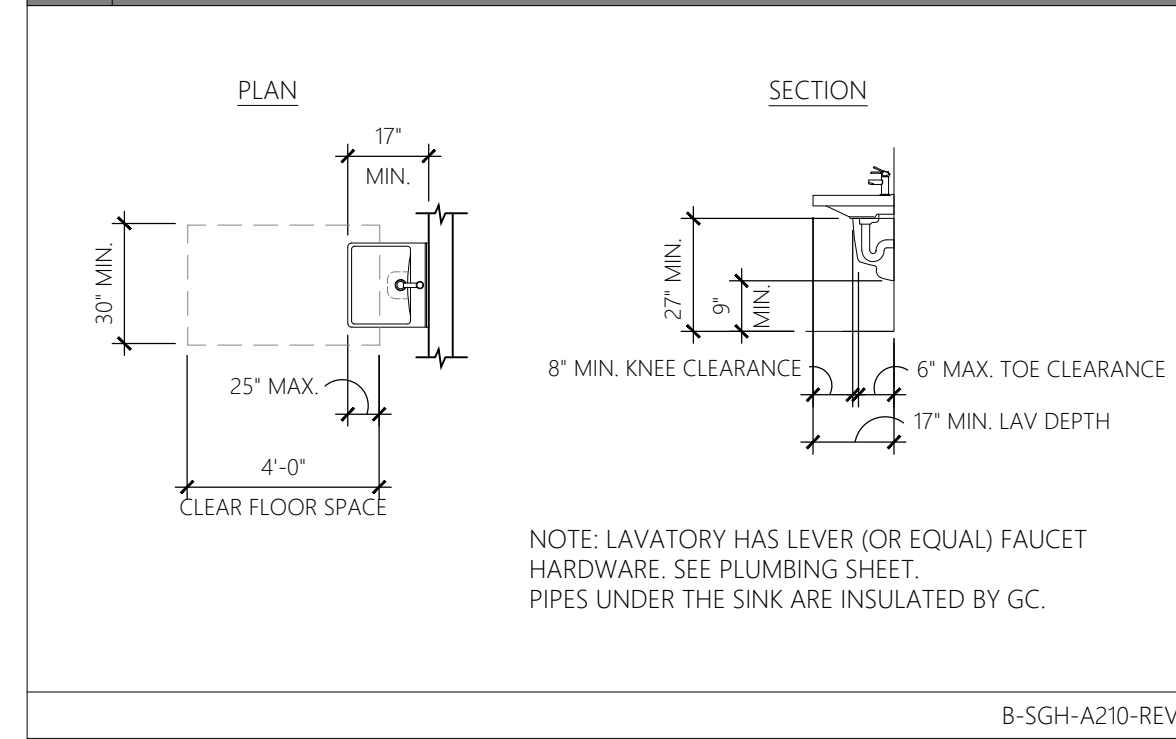


8 BOH
 SCALE: 1/4" = 1'-0"

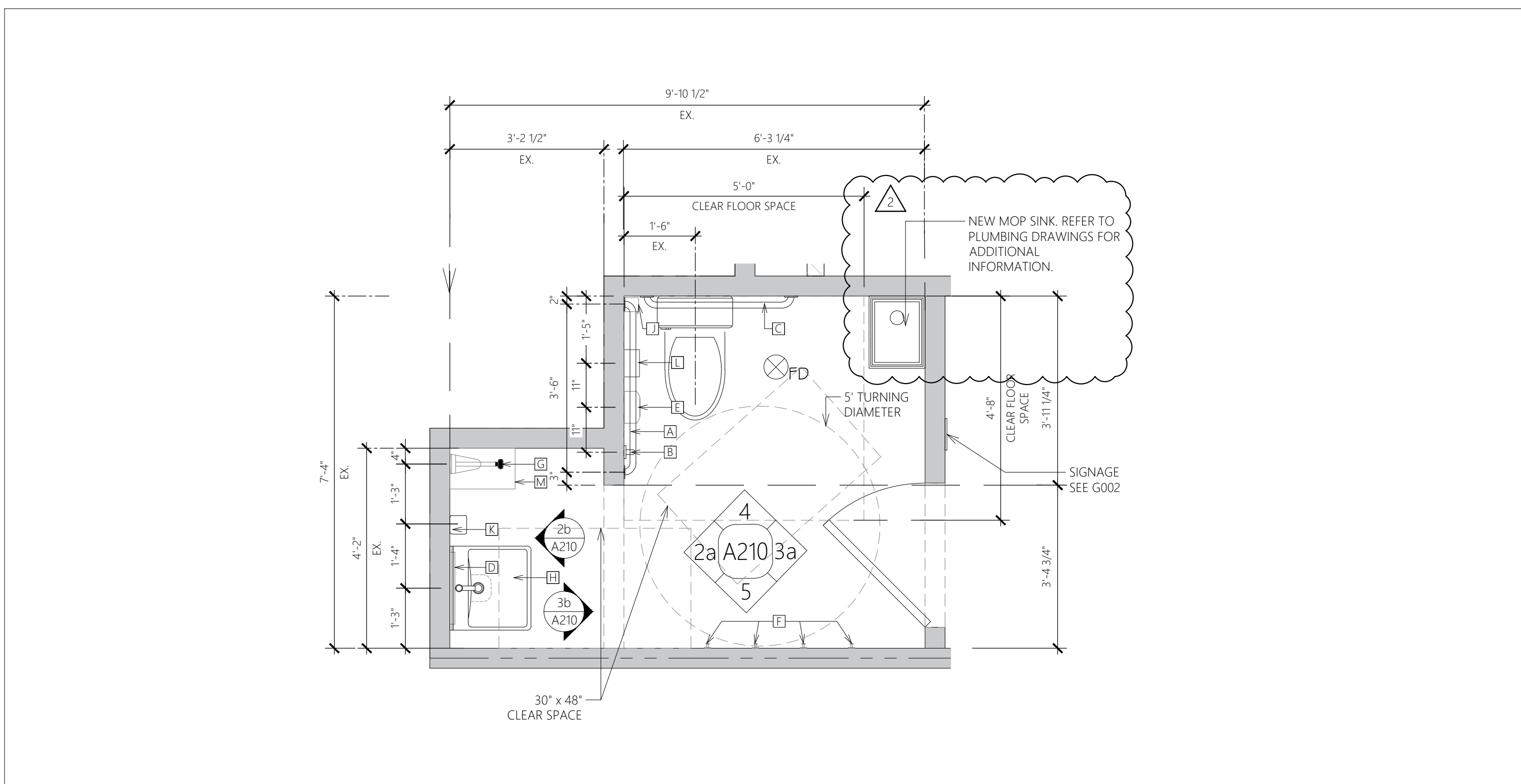
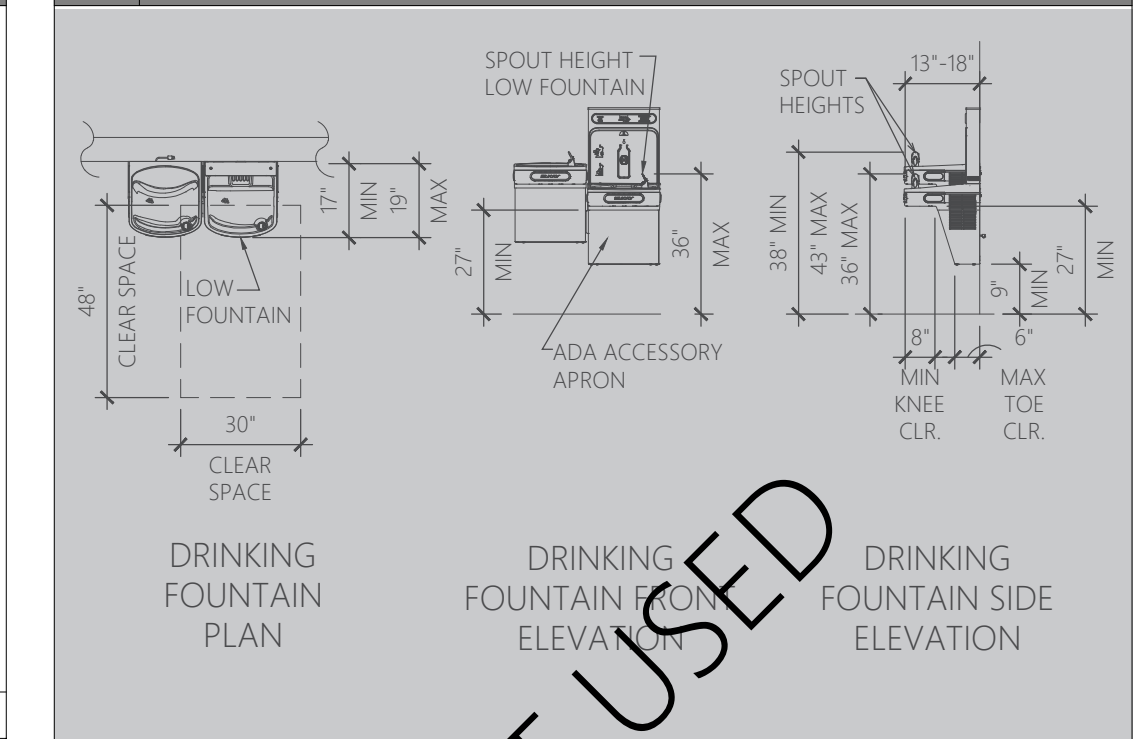
A TOILET ACCESSORIES MOUNTING HEIGHTS



B SINK ACCESSIBILITY CLEARANCES



C DRINKING FOUNTAIN

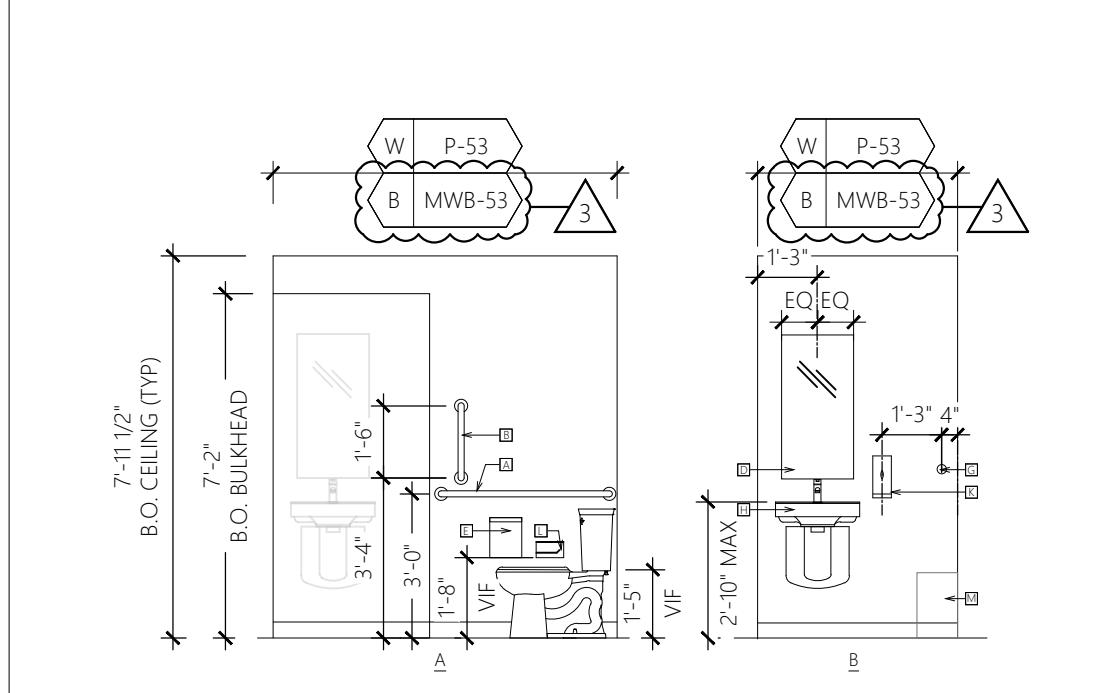


D TOILET ROOM ACCESSORY SCHEDULE (#) = QUANTITY

@	CODE	ITEM	DESCRIPTION	ROOM	REMARKS	SUPPLIED	RECEIVED	INSTALLED
A	SGH-RRGB42	42\"/>						

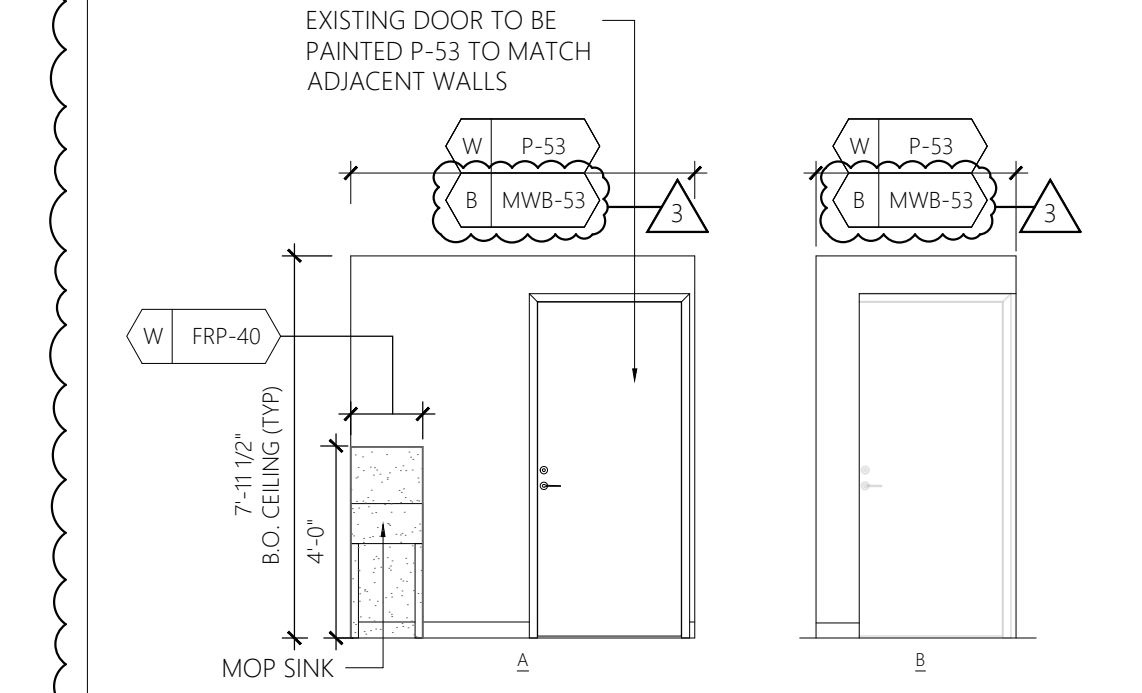
1 ENLARGED TOILET ROOM PLAN

SCALE: 1/2\"/>



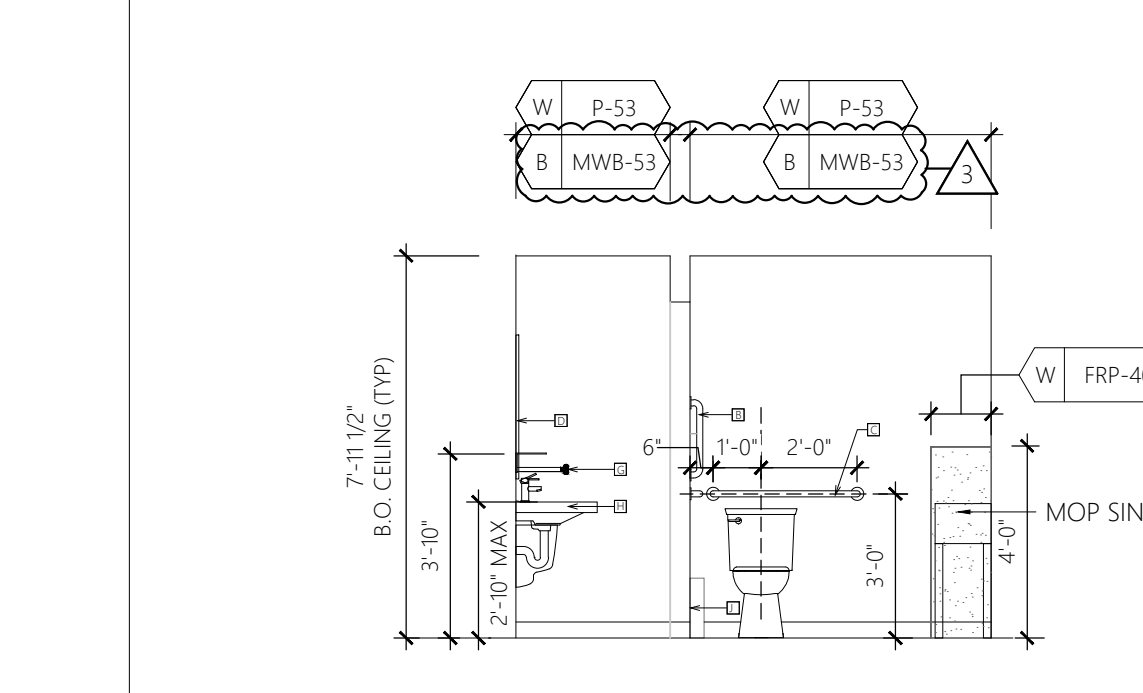
2 TOILET ROOM ELEVATION

SCALE: 1/4\"/>



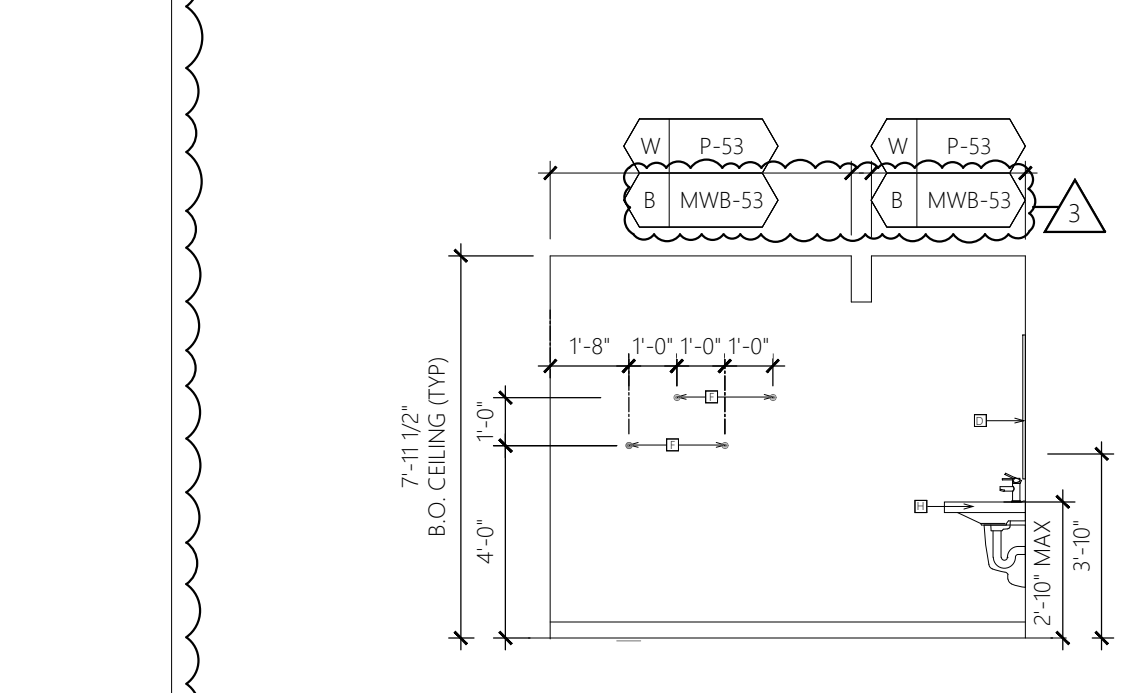
3 TOILET ROOM ELEVATION

SCALE: 1/4\"/>



4 TOILET ROOM ELEVATION

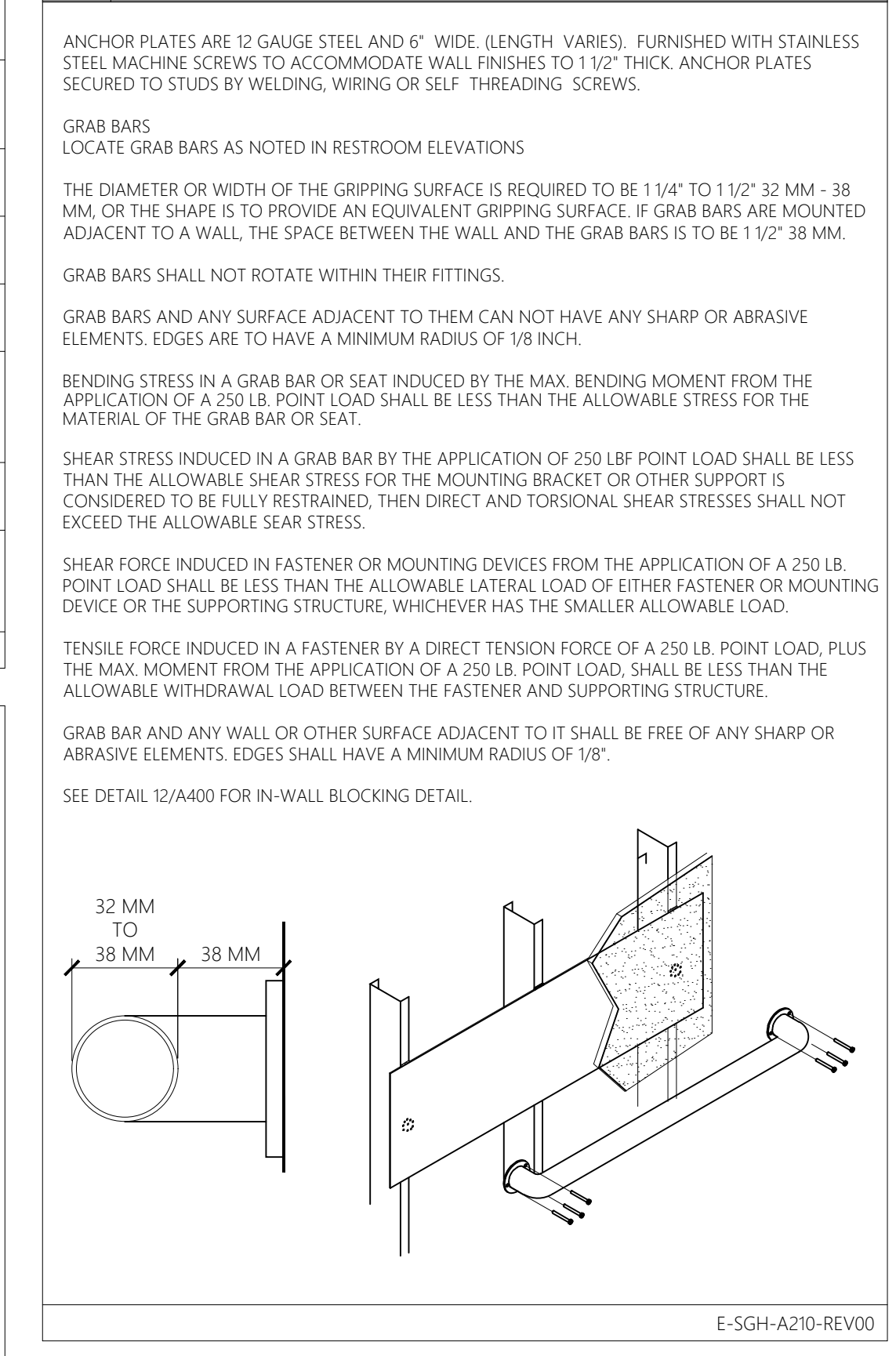
SCALE: 1/4\"/>



5 TOILET ROOM ELEVATION

SCALE: 1/4\"/>

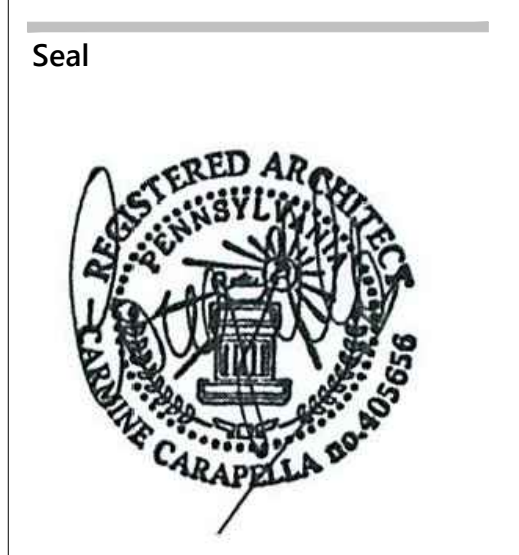
E GRAB BAR DETAIL



Revisions:

Mark	Date	By
△	02/20/2026	SA
△		ACCESSIBILITY PLAN REVIEW#1
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△		PLUMBING PLAN REVIEW
△	04/08/2026	SA
△		DESIGN REV. 12

Architect / Engineer of Record



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

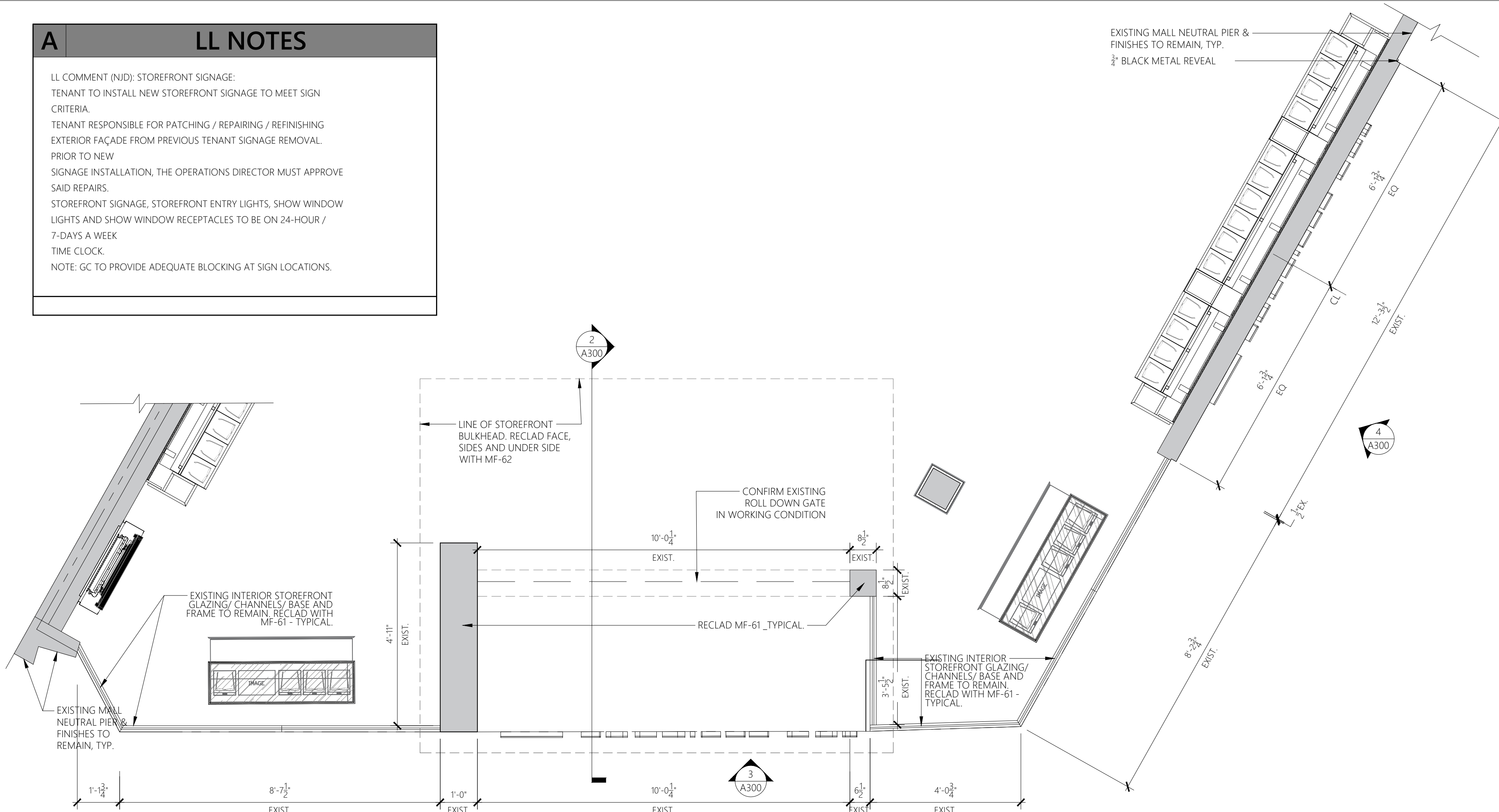
Sheet Name:
TOILET ROOM PLAN, ELEVATIONS & DETAILS

Date 04/08/2026
Drawn By SA
Checked By CC

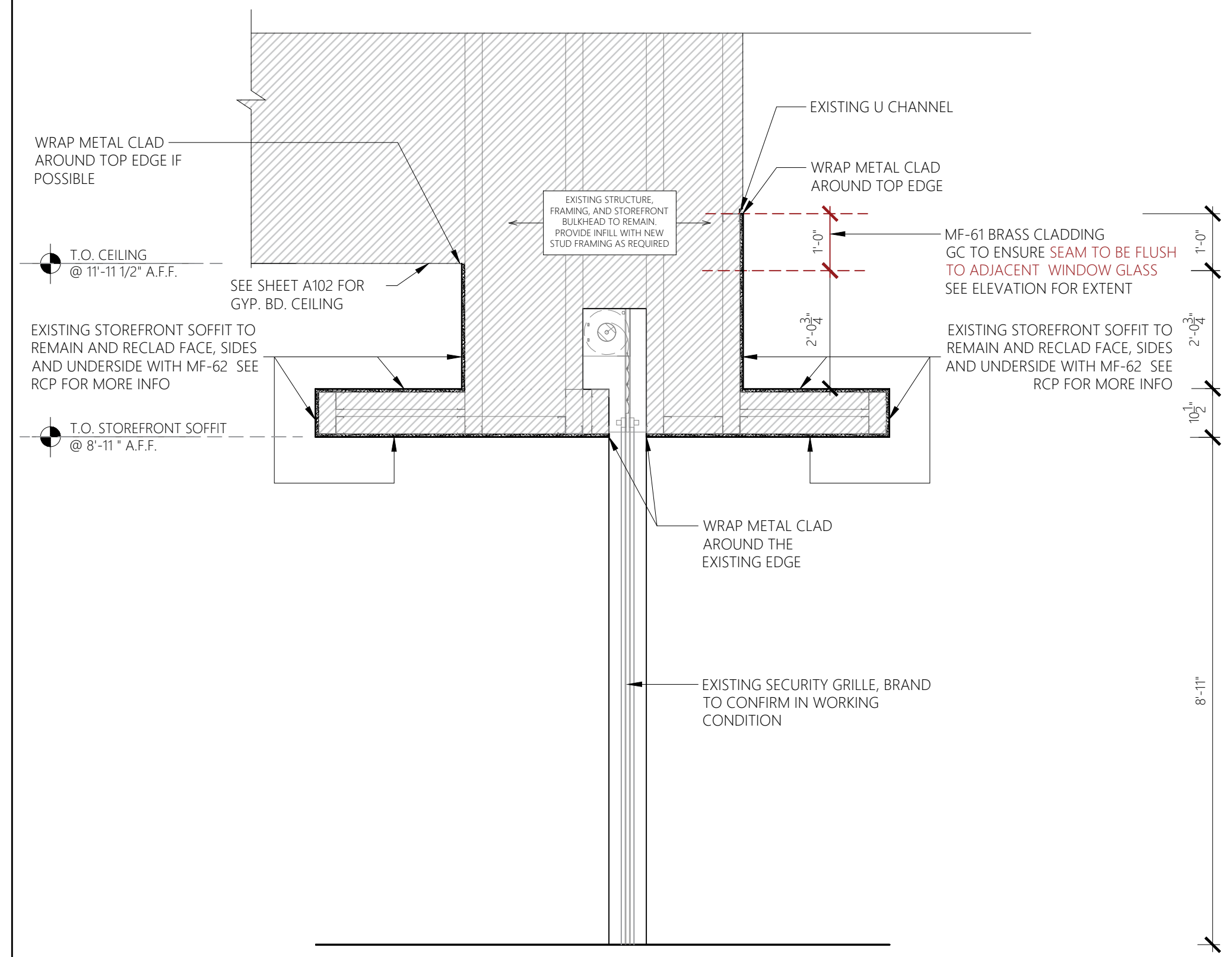
Sheet No.: A210

A LL NOTES

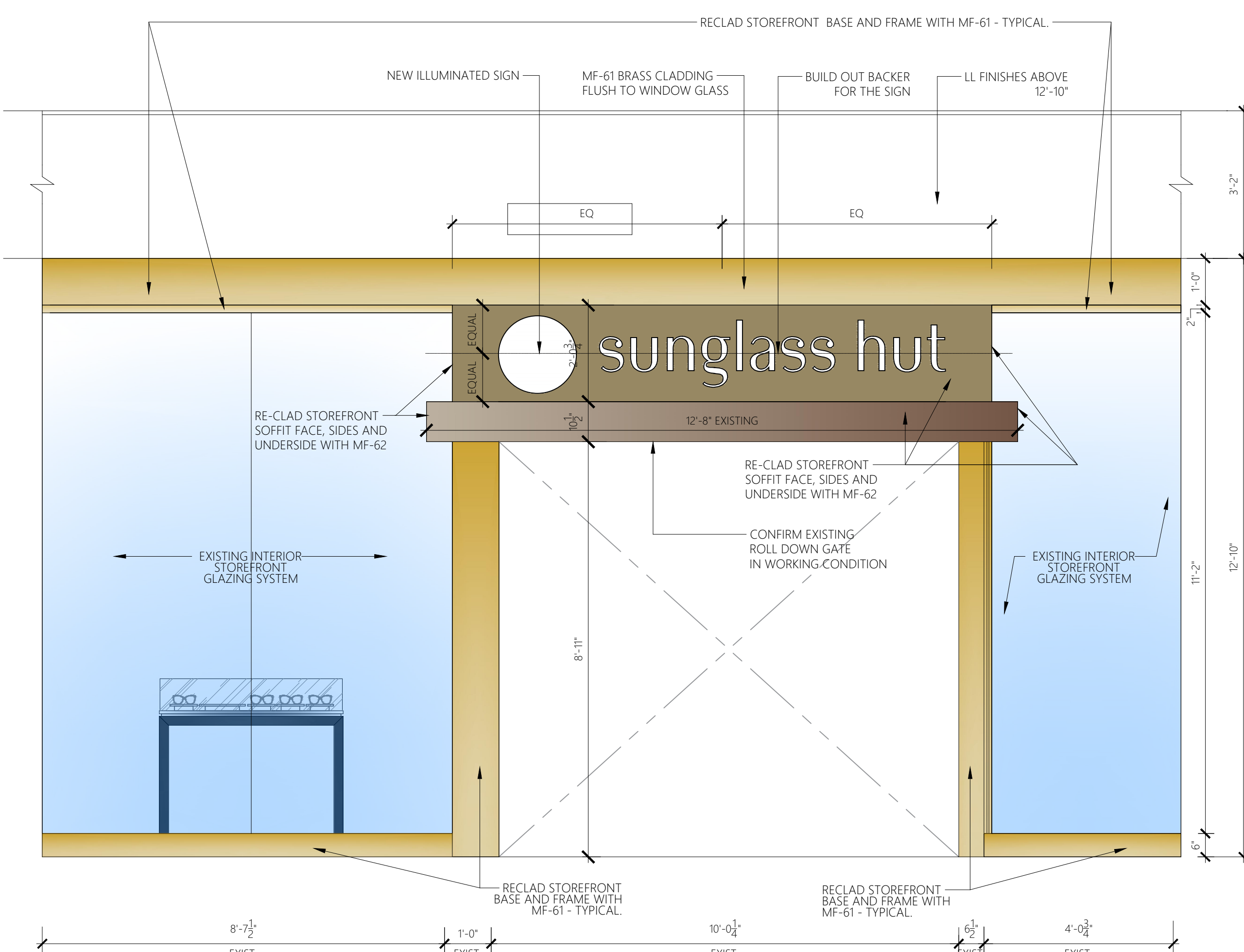
LL COMMENT (N/D): STOREFRONT SIGNAGE:
 TENANT TO INSTALL NEW STOREFRONT SIGNAGE TO MEET SIGN CRITERIA.
 TENANT RESPONSIBLE FOR PATCHING / REPAIRING / REFINISHING EXTERIOR FAÇADE FROM PREVIOUS TENANT SIGNAGE REMOVAL. PRIOR TO NEW SIGNAGE INSTALLATION, THE OPERATIONS DIRECTOR MUST APPROVE SAID REPAIRS.
 STOREFRONT SIGNAGE, STOREFRONT ENTRY LIGHTS, SHOW WINDOW LIGHTS AND SHOW WINDOW RECEPTACLES TO BE ON 24-HOUR / 7-DAYS A WEEK TIME CLOCK.
 NOTE: GC TO PROVIDE ADEQUATE BLOCKING AT SIGN LOCATIONS.



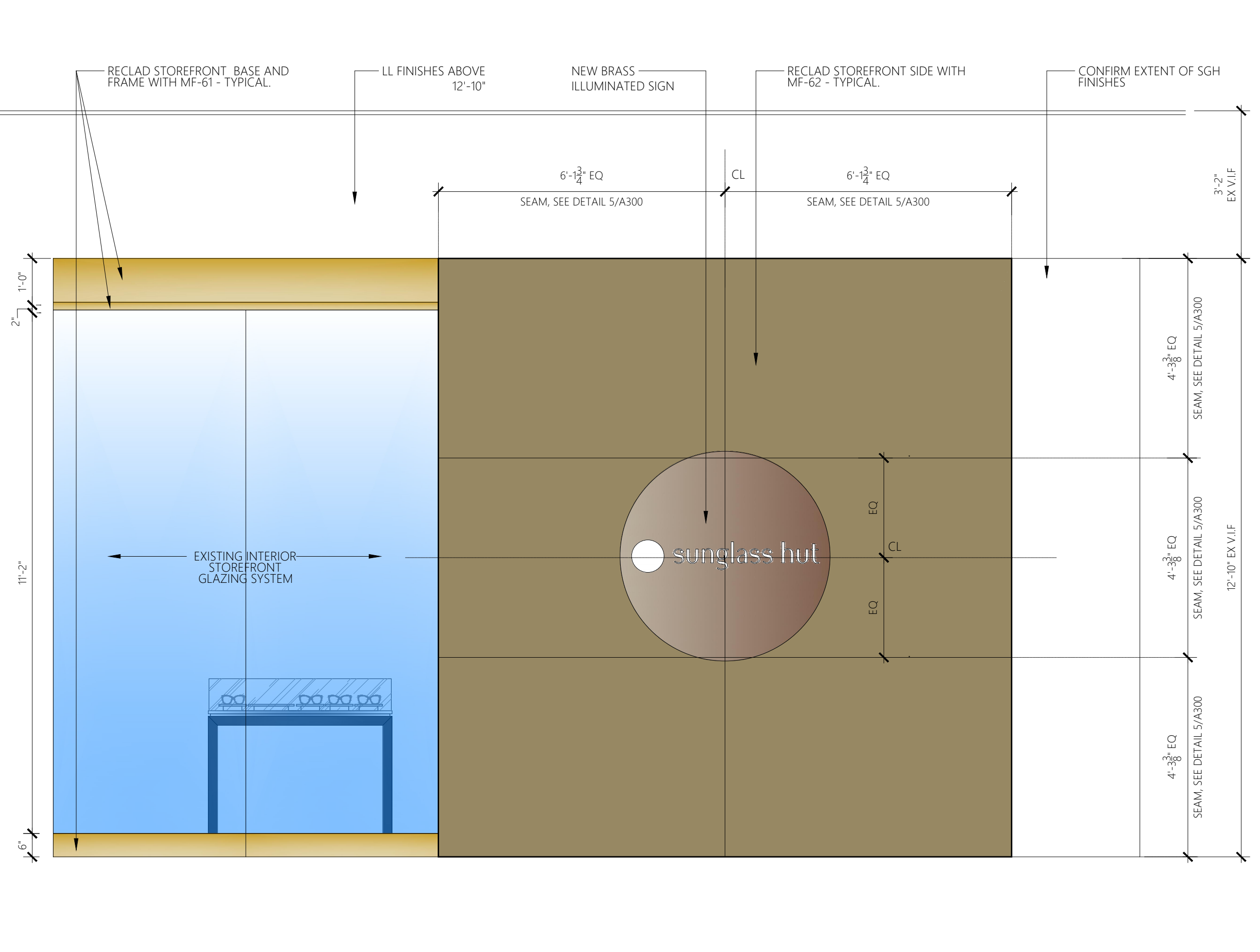
1 ENLARGED STOREFRONT PLAN
 SCALE: 1/2" = 1'-0"



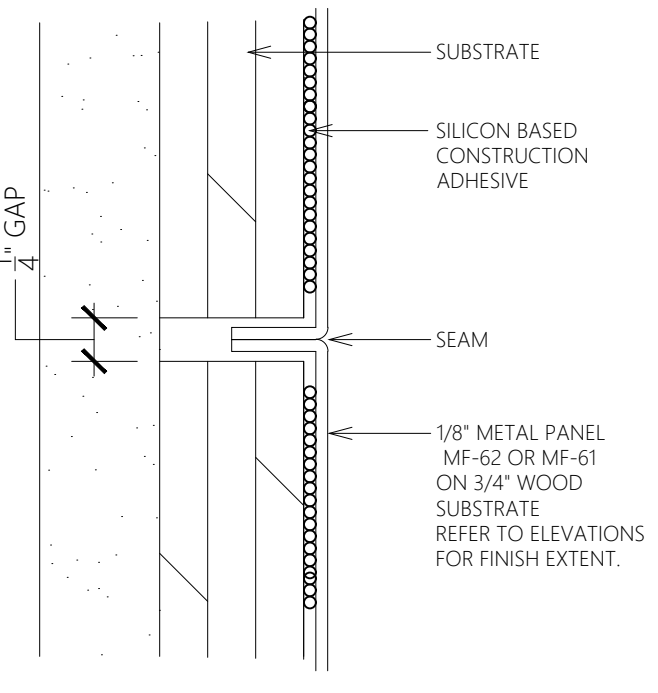
2 STOREFRONT SECTION
 SCALE: 1/2" = 1'-0"



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



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



5 SEAM-DETAIL
 NOT SCALED

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
 1000 ROSS PARK MALL DR
 SUITE: L17
 PITTSBURGH, PA 15237

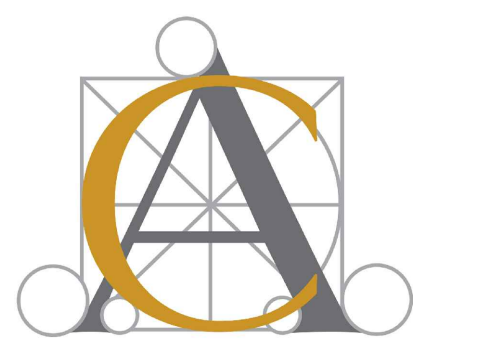
Construction for:

sunglass hut
 A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	02/20/2026	SA
△		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
△		PLUMBING PLAN REVIEW
△	04/08/2026	SA
△		DESIGN REV 12

Architect / Engineer of Record



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

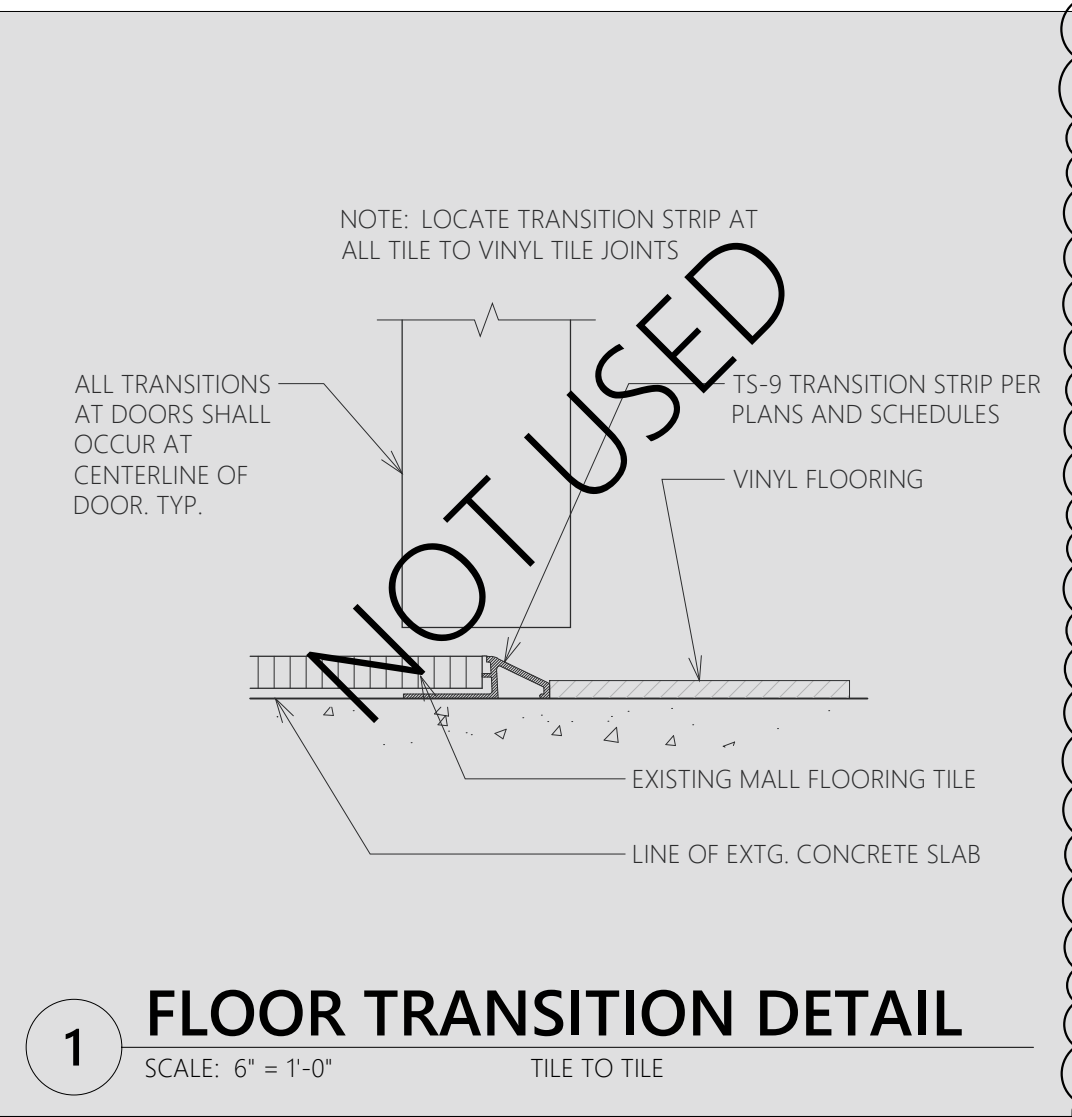
DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

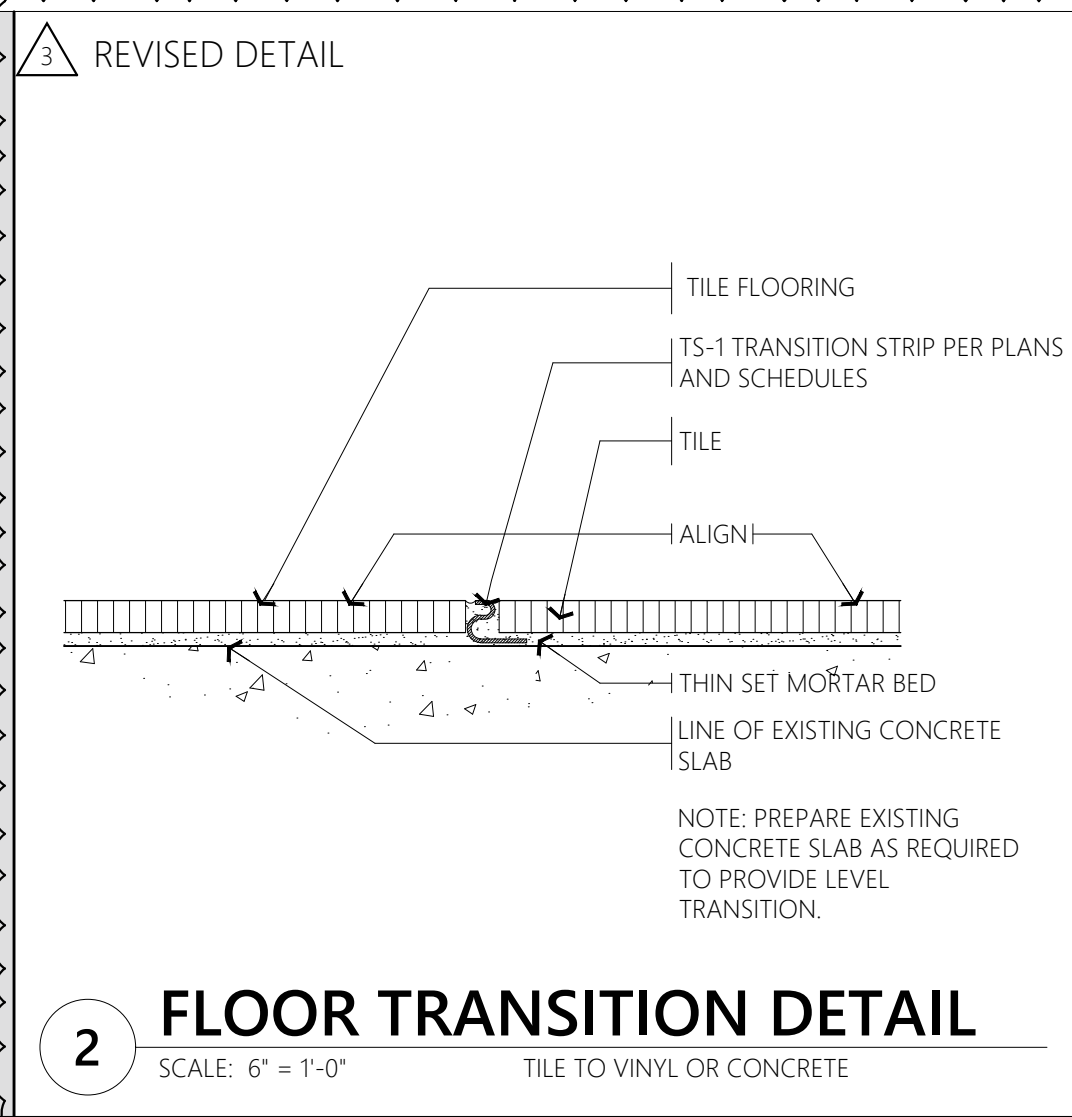
Sheet Name:
STOREFRONT PLAN, ELEVATIONS & SECTION

Date: 04/08/2026
 Drawn By: SA
 Checked By: SA
 CC: CC

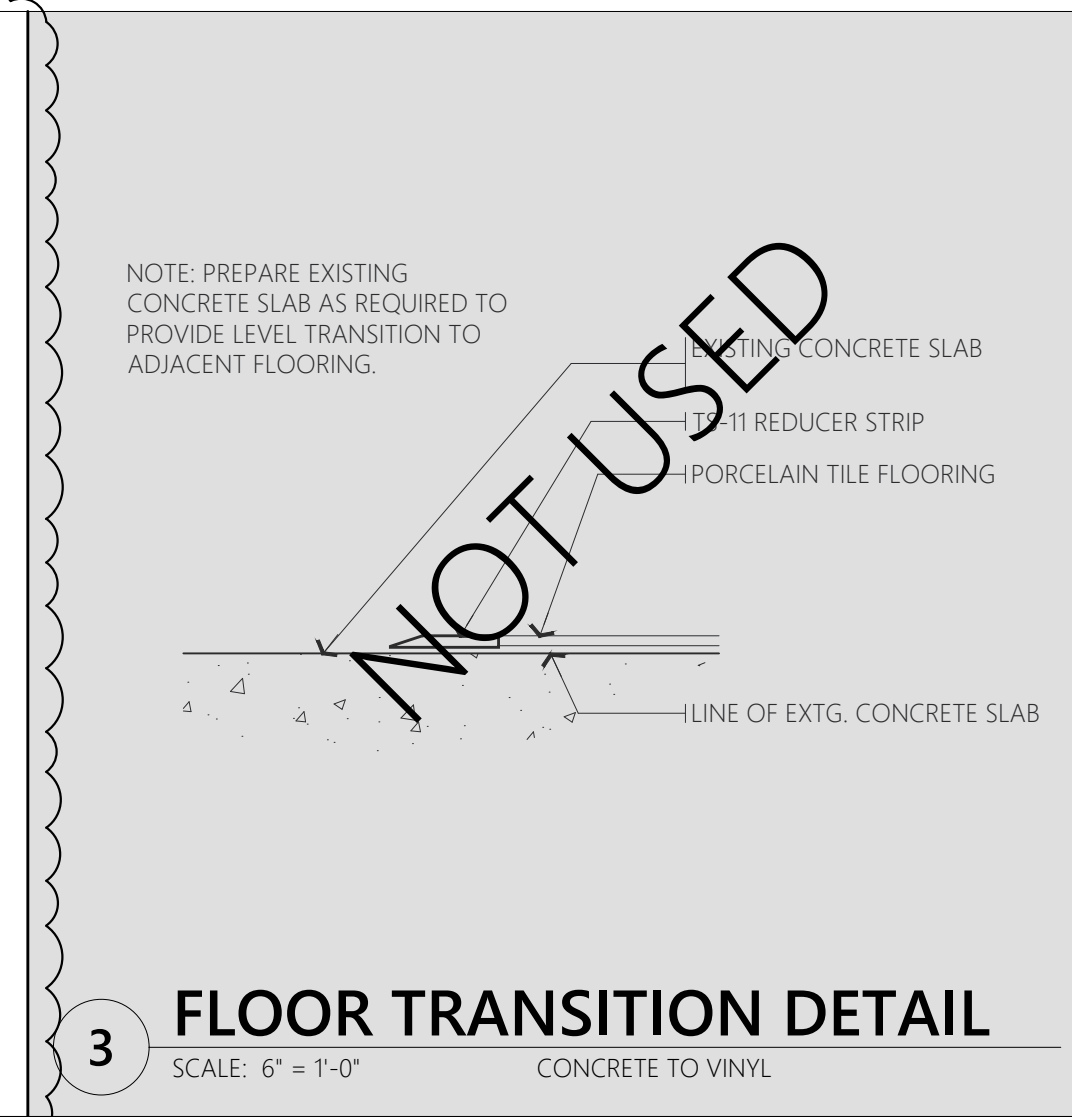
Sheet No.: A300



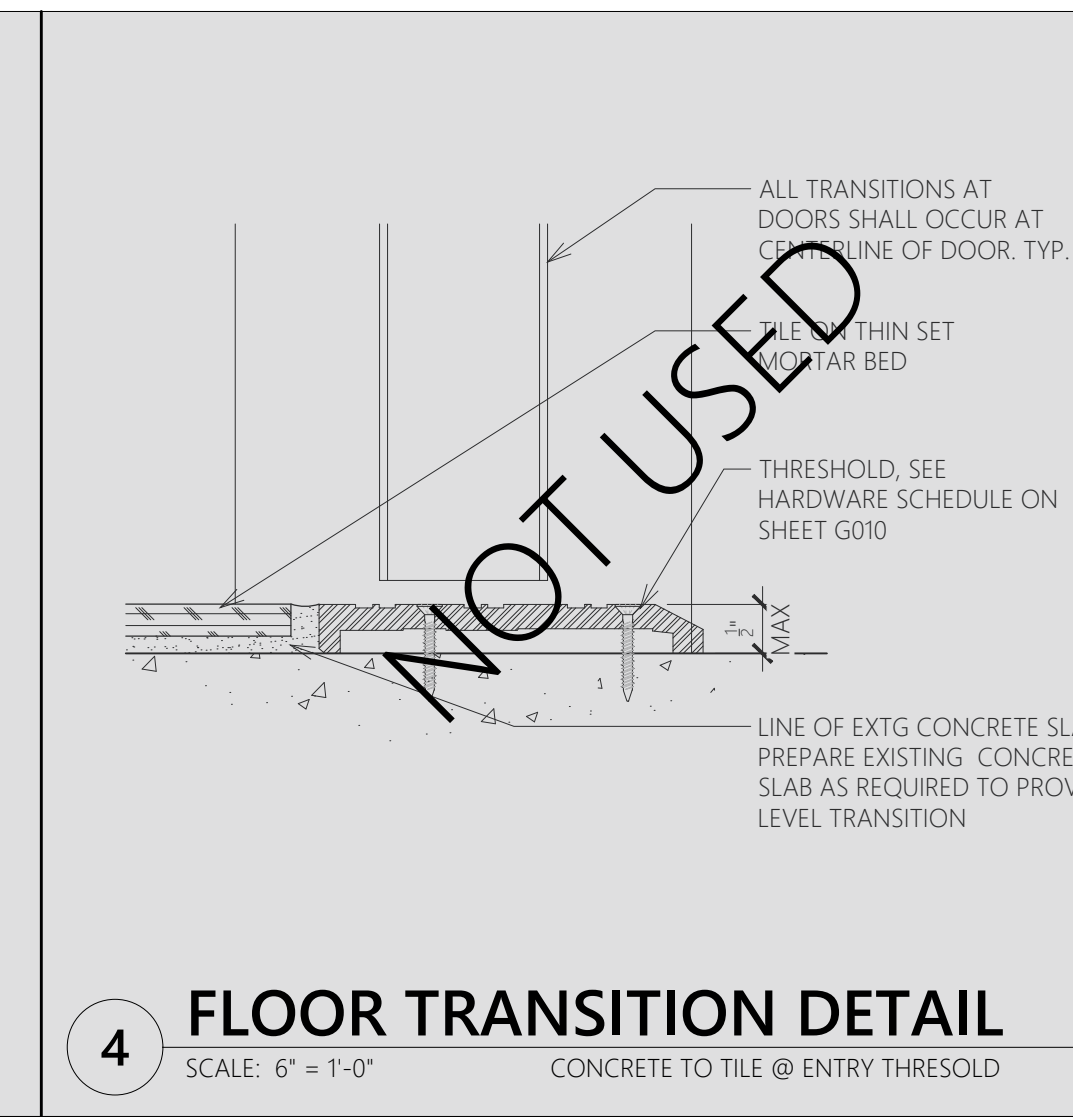
1 FLOOR TRANSITION DETAIL
SCALE: 6" = 1'-0" TILE TO TILE



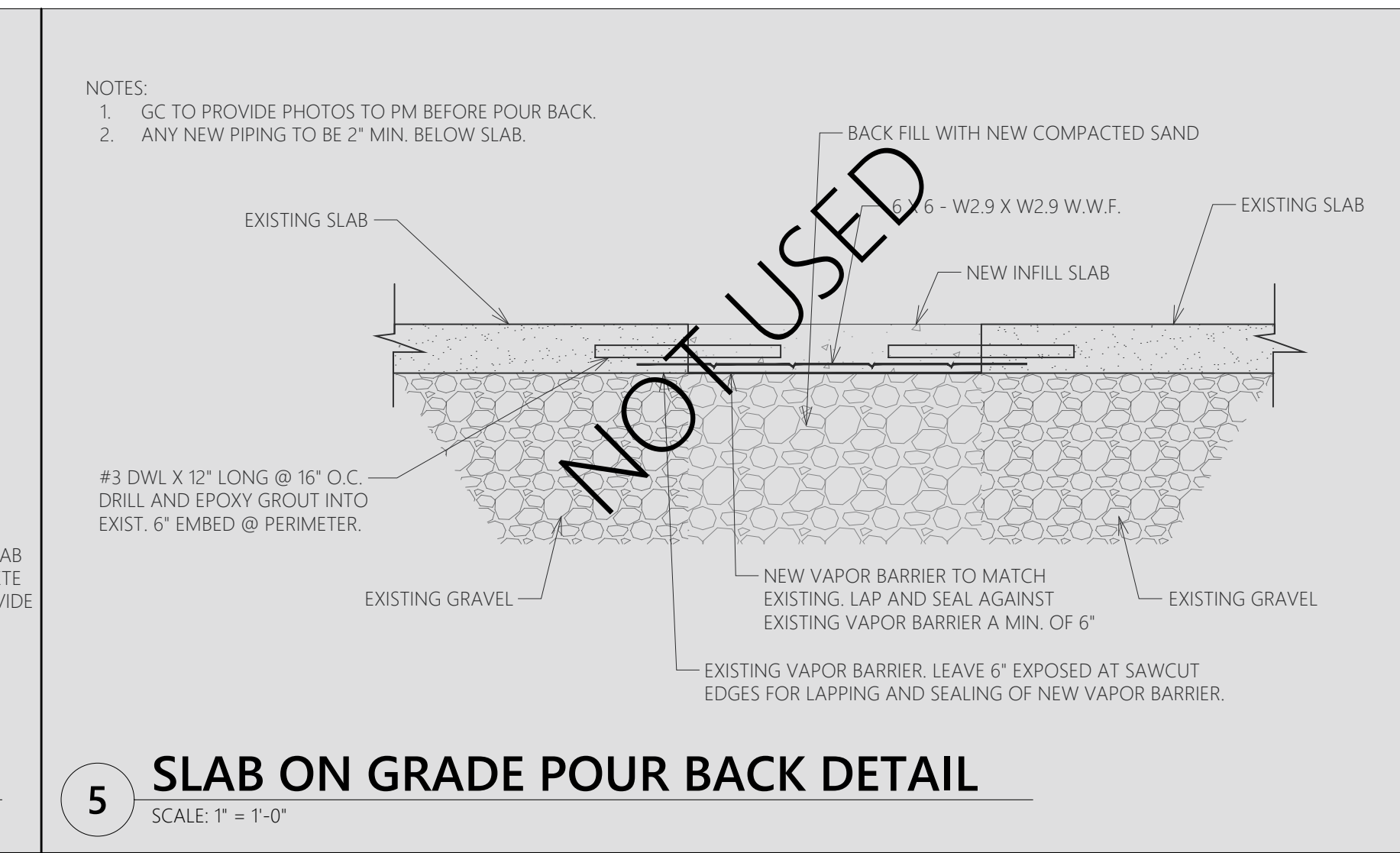
2 FLOOR TRANSITION DETAIL
SCALE: 6" = 1'-0" TILE TO VINYL OR CONCRETE



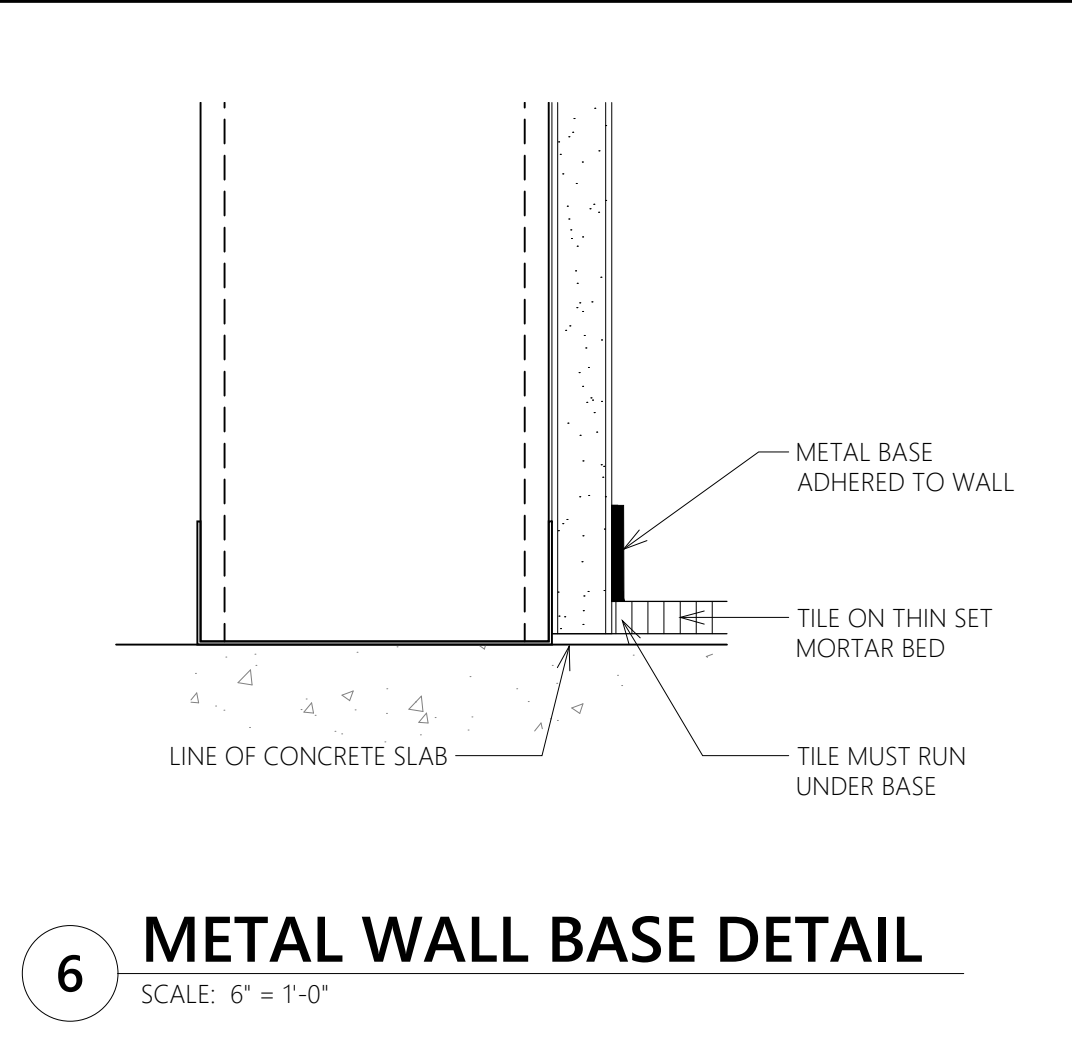
3 FLOOR TRANSITION DETAIL
SCALE: 6" = 1'-0" CONCRETE TO VINYL



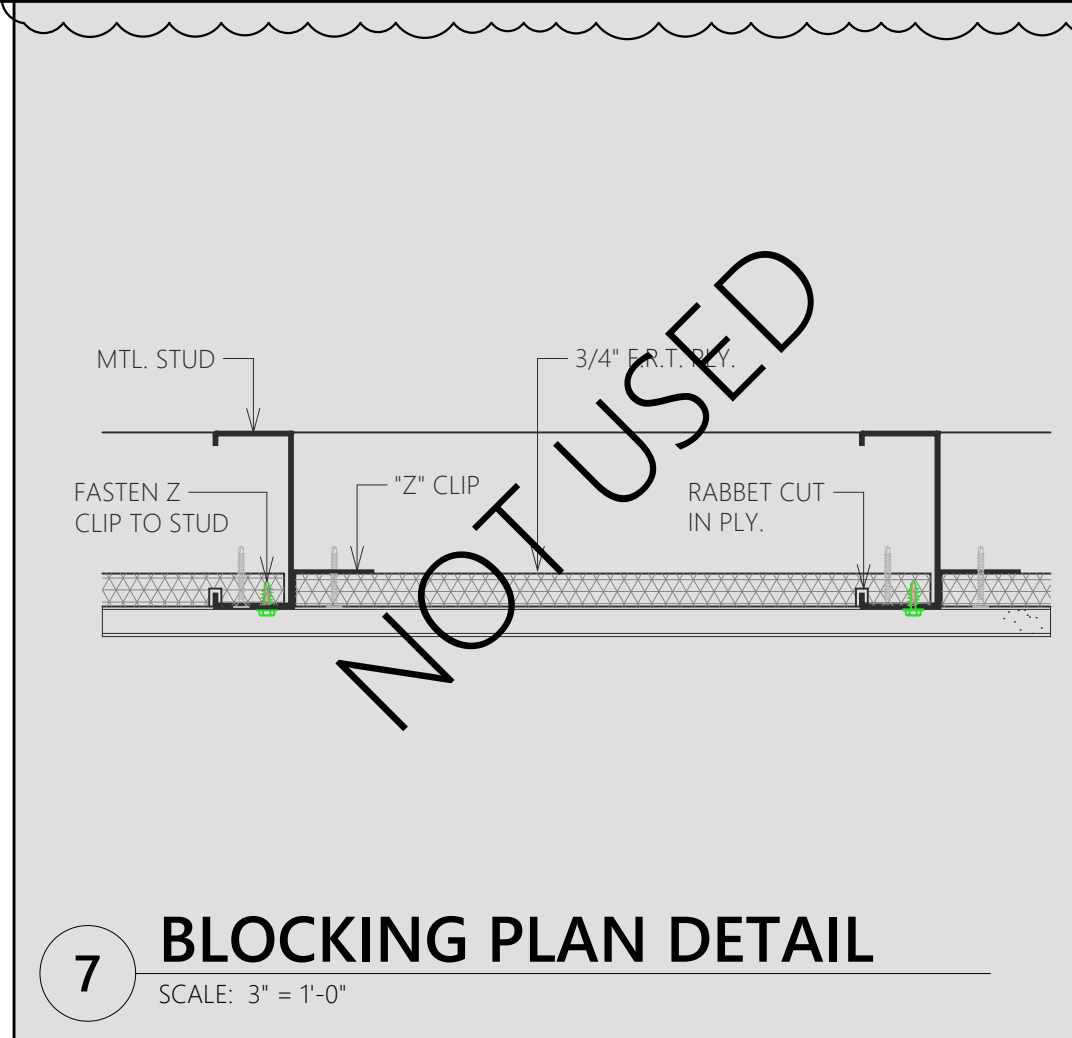
4 FLOOR TRANSITION DETAIL
SCALE: 6" = 1'-0" CONCRETE TO TILE @ ENTRY THRESHOLD



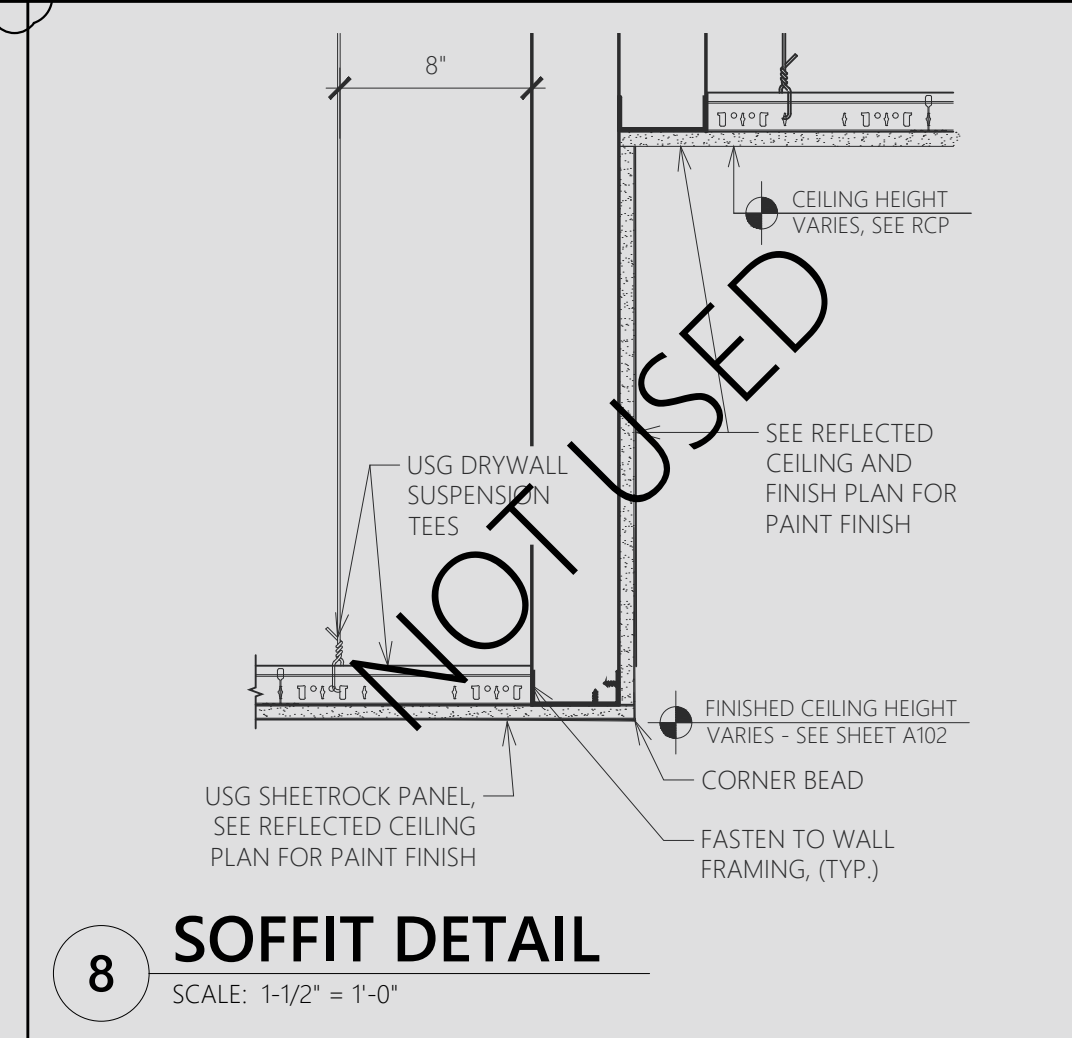
5 SLAB ON GRADE POUR BACK DETAIL
SCALE: 1" = 1'-0"



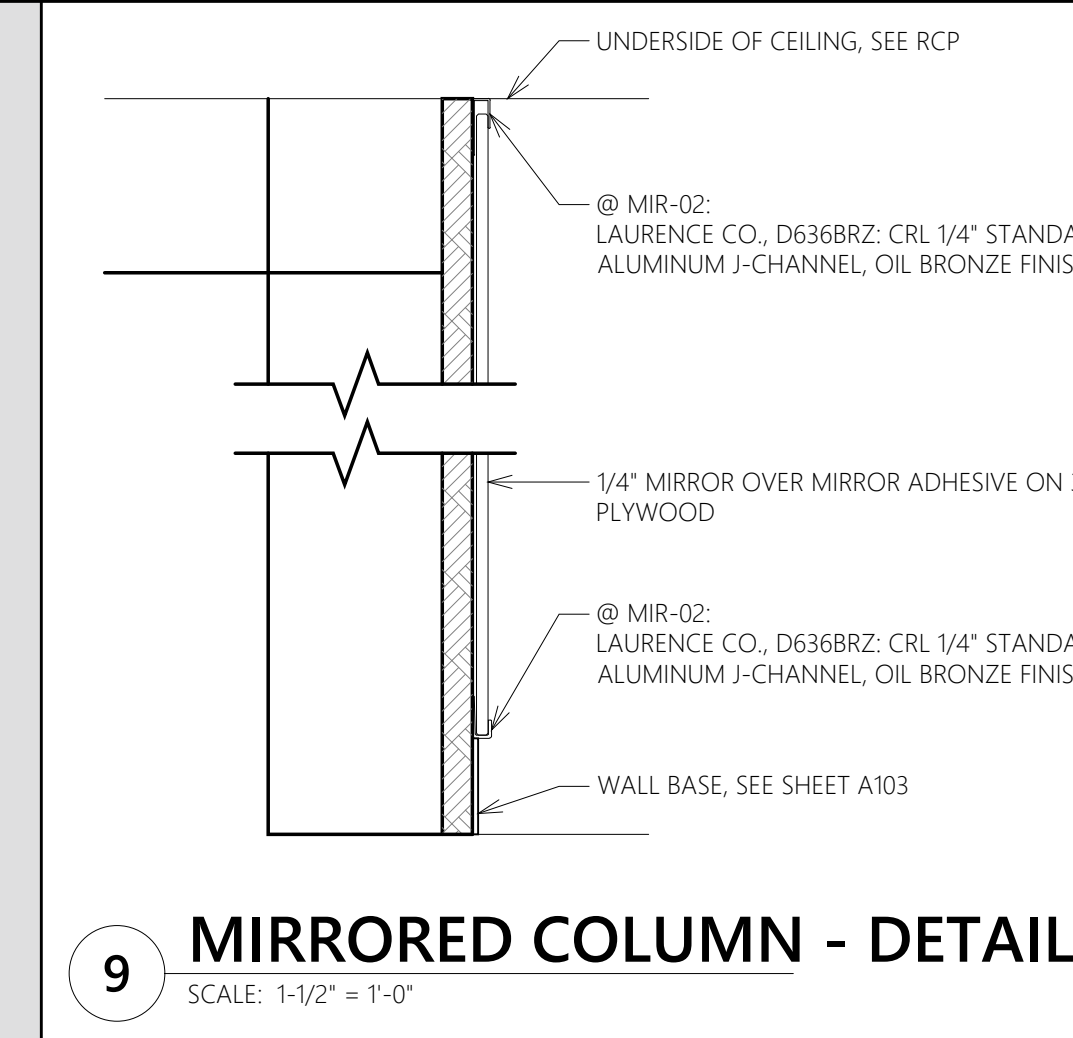
6 METAL WALL BASE DETAIL
SCALE: 6" = 1'-0"



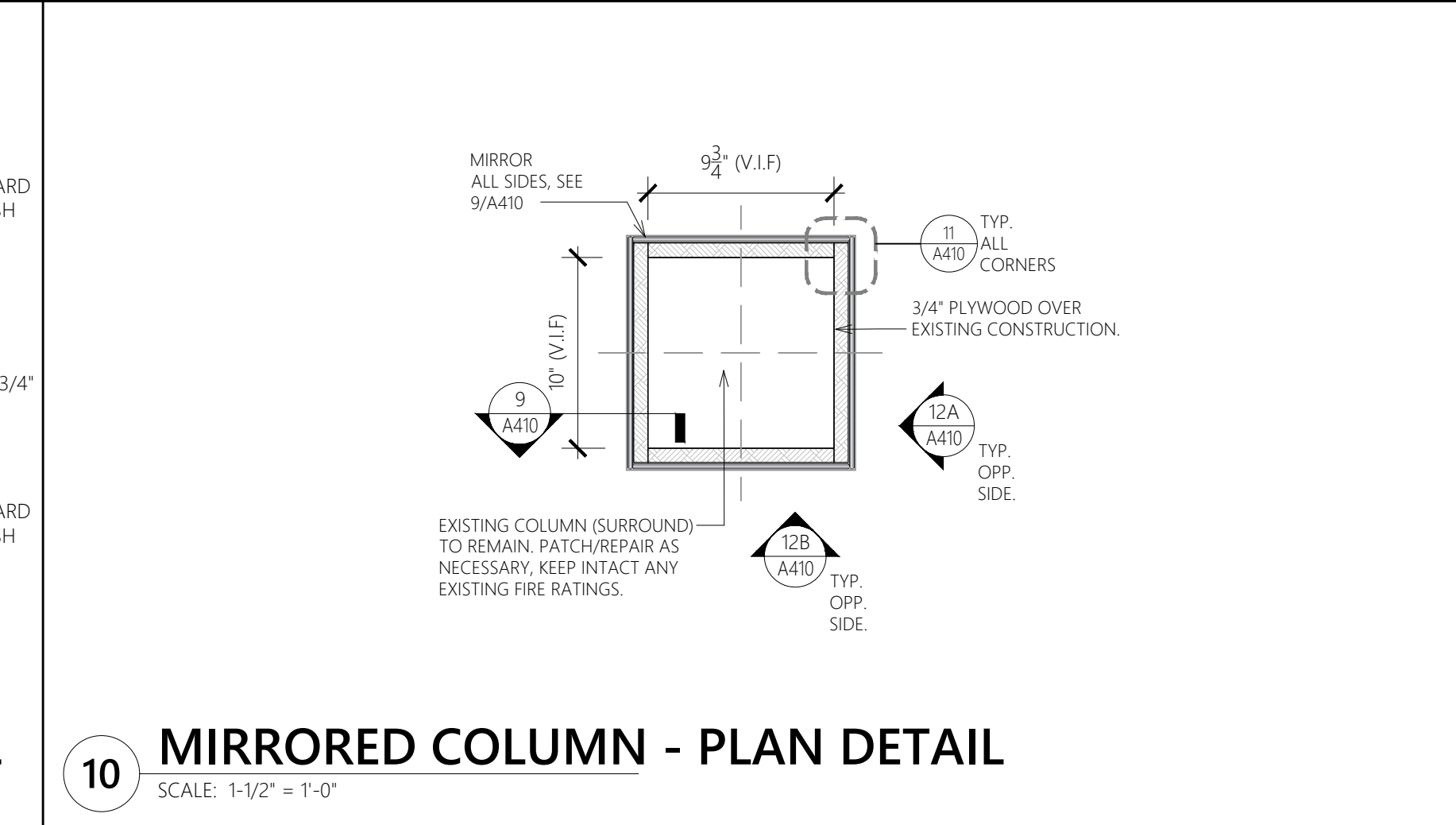
7 BLOCKING PLAN DETAIL
SCALE: 3" = 1'-0"



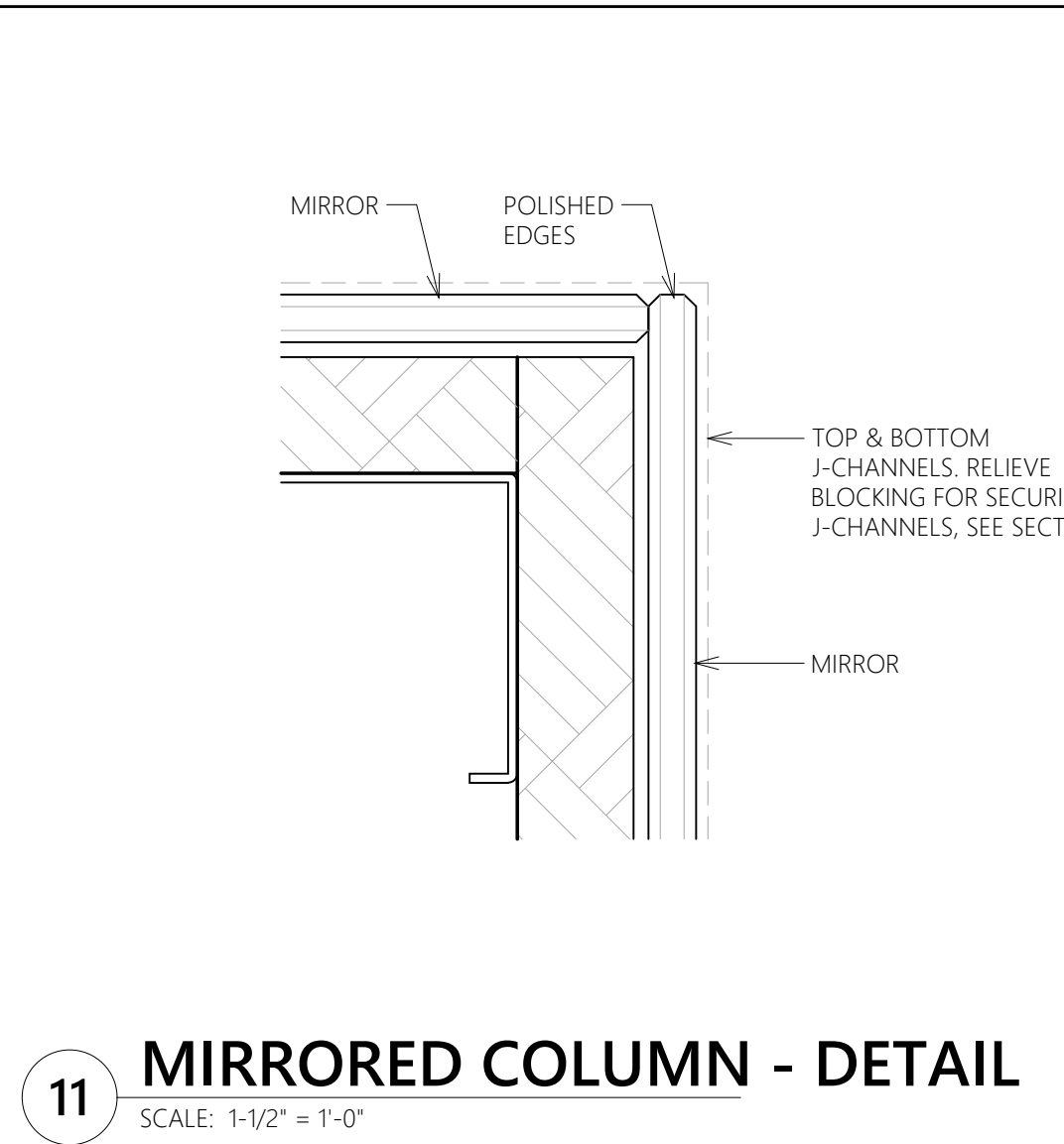
8 SOFFIT DETAIL
SCALE: 1-1/2" = 1'-0"



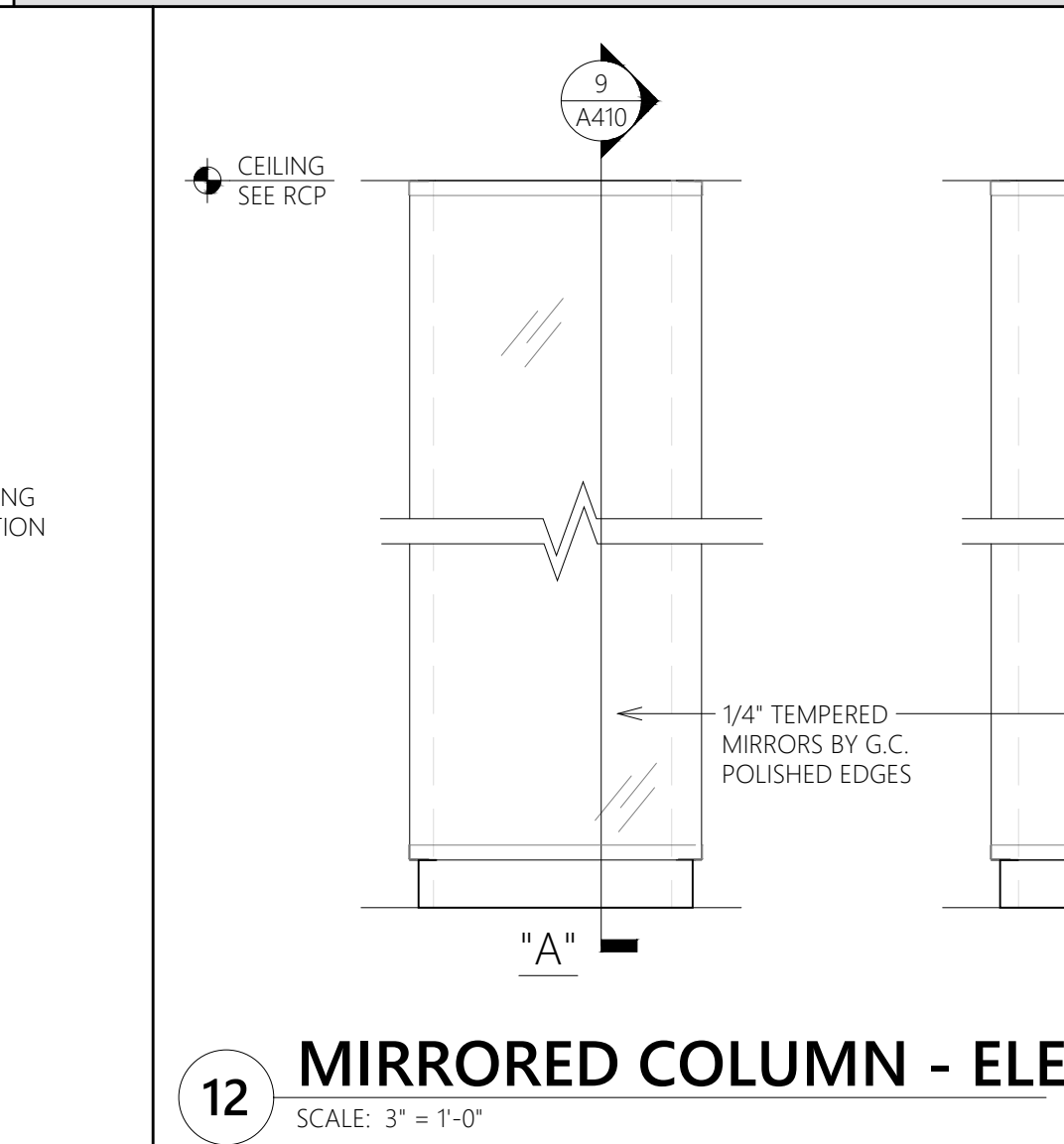
9 MIRRORED COLUMN - DETAIL
SCALE: 1-1/2" = 1'-0"



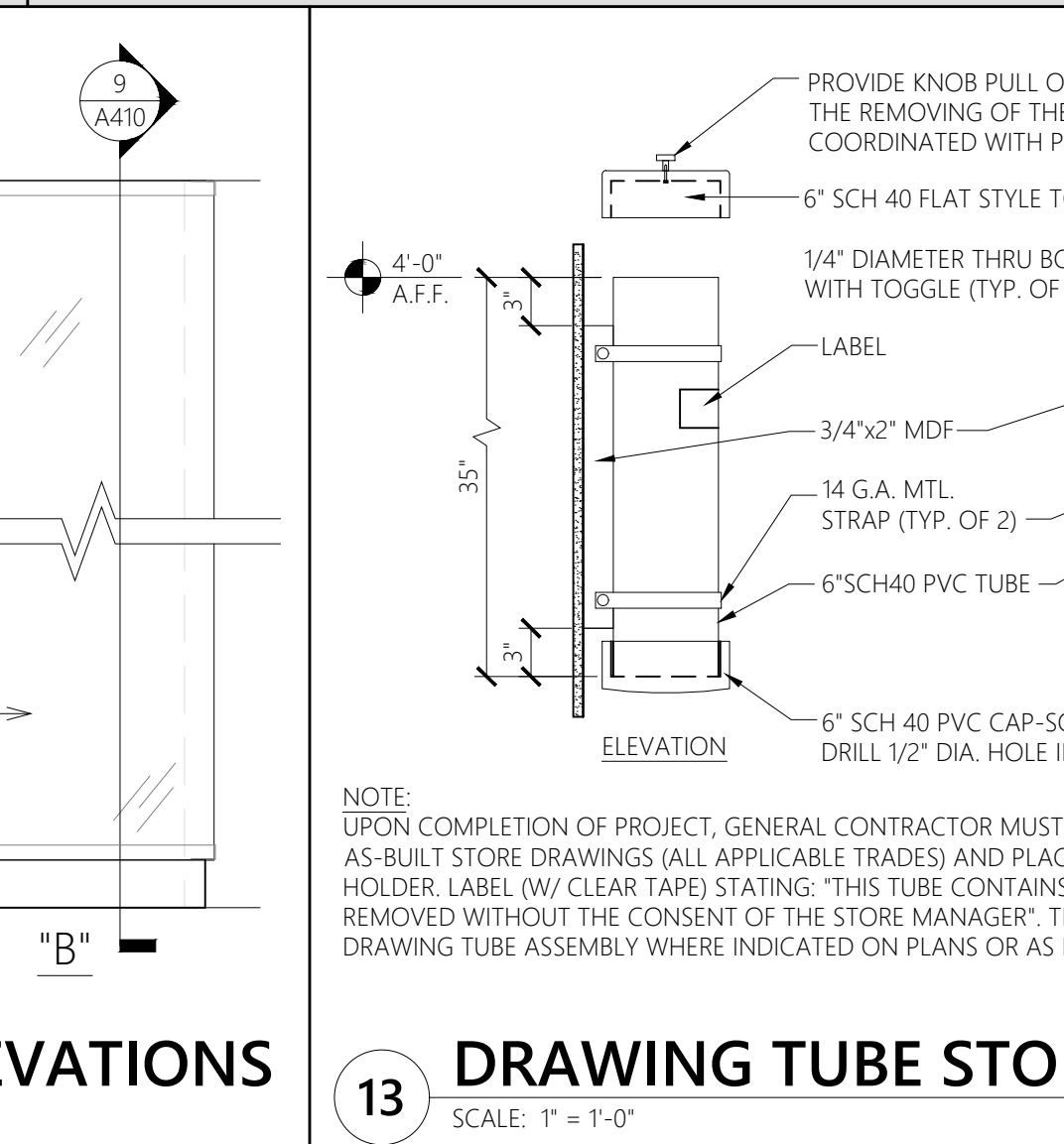
10 MIRRORED COLUMN - PLAN DETAIL
SCALE: 1-1/2" = 1'-0"



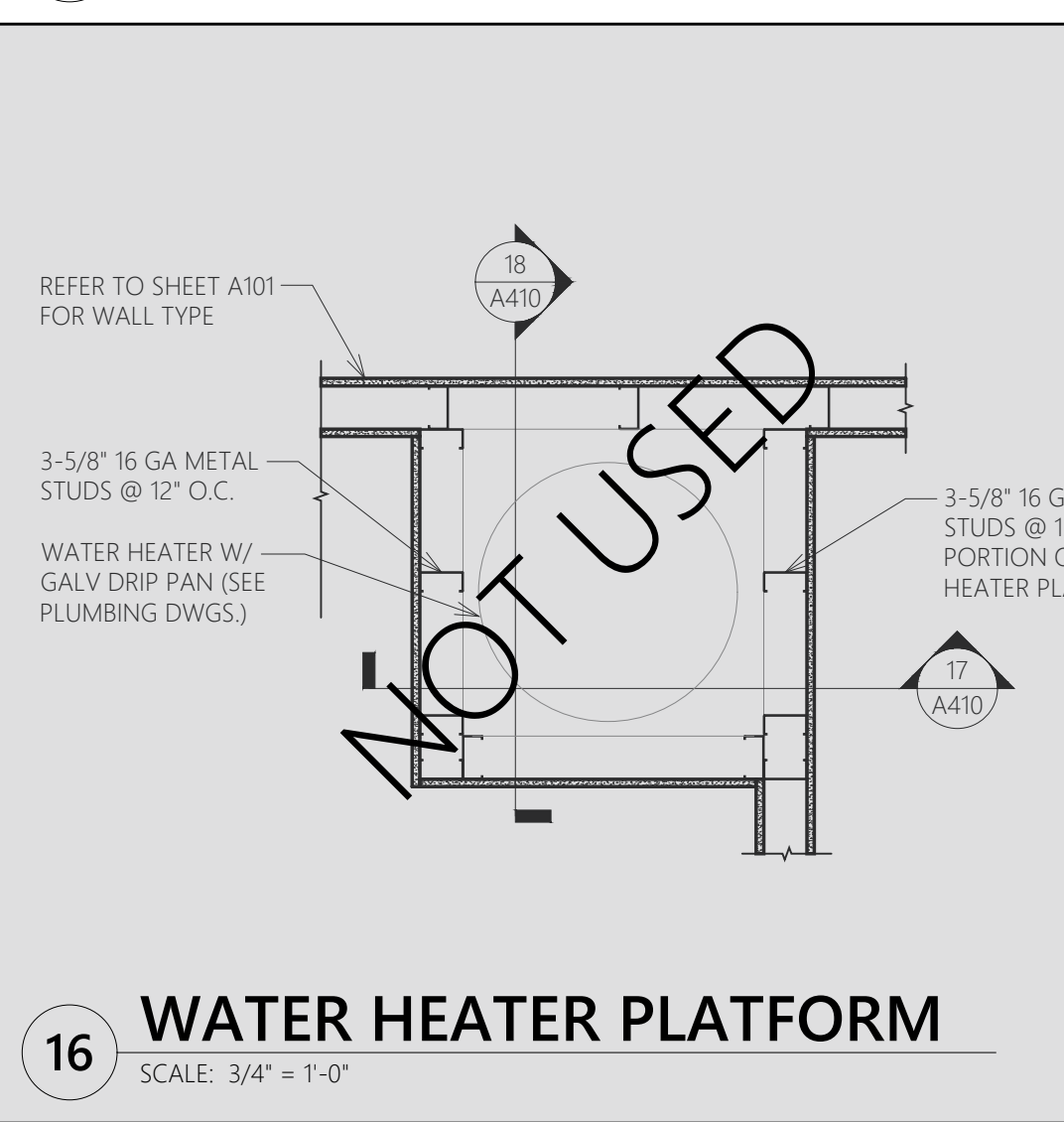
11 MIRRORED COLUMN - DETAIL
SCALE: 1-1/2" = 1'-0"



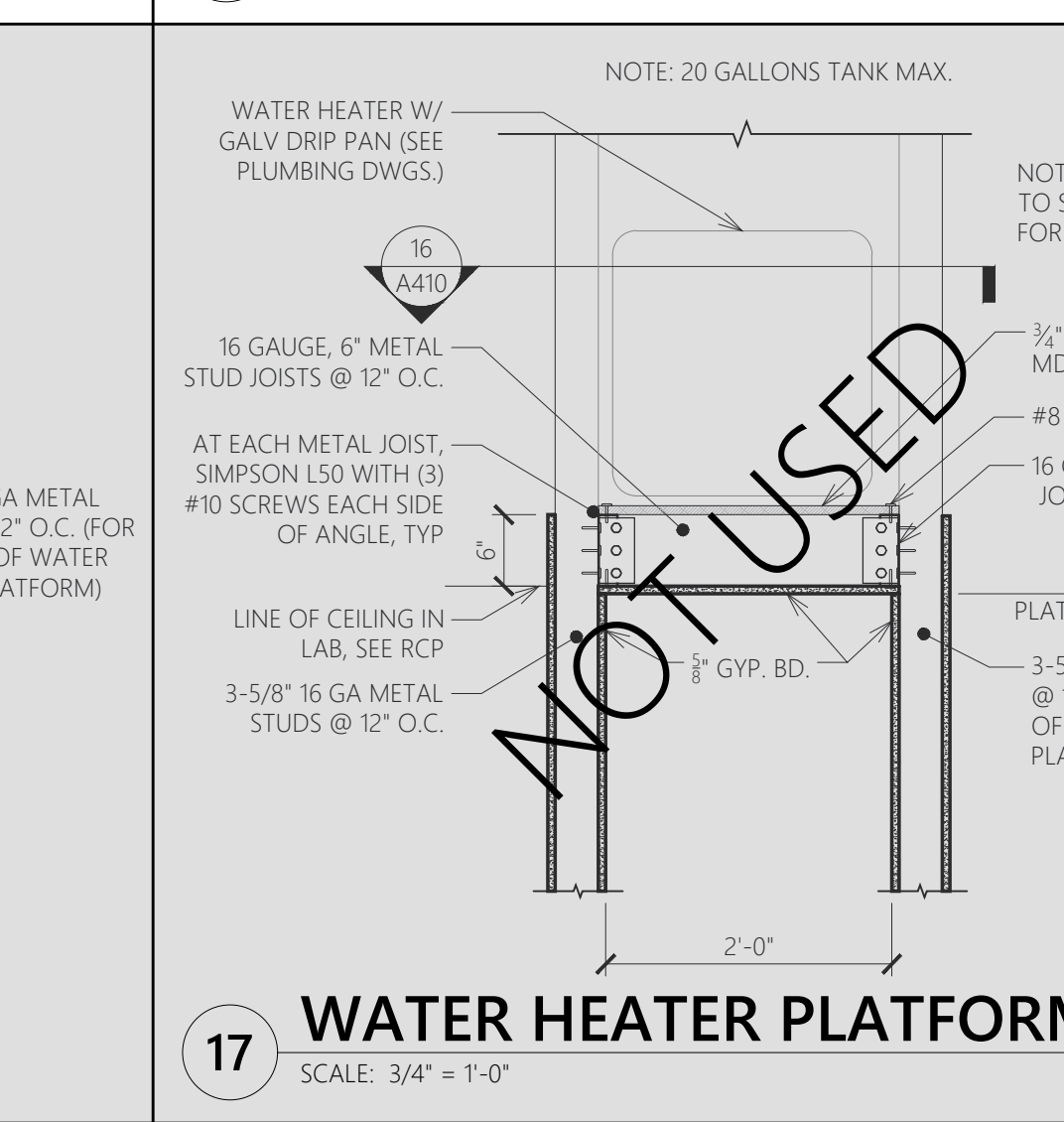
12 MIRRORED COLUMN - ELEVATIONS
SCALE: 3" = 1'-0"



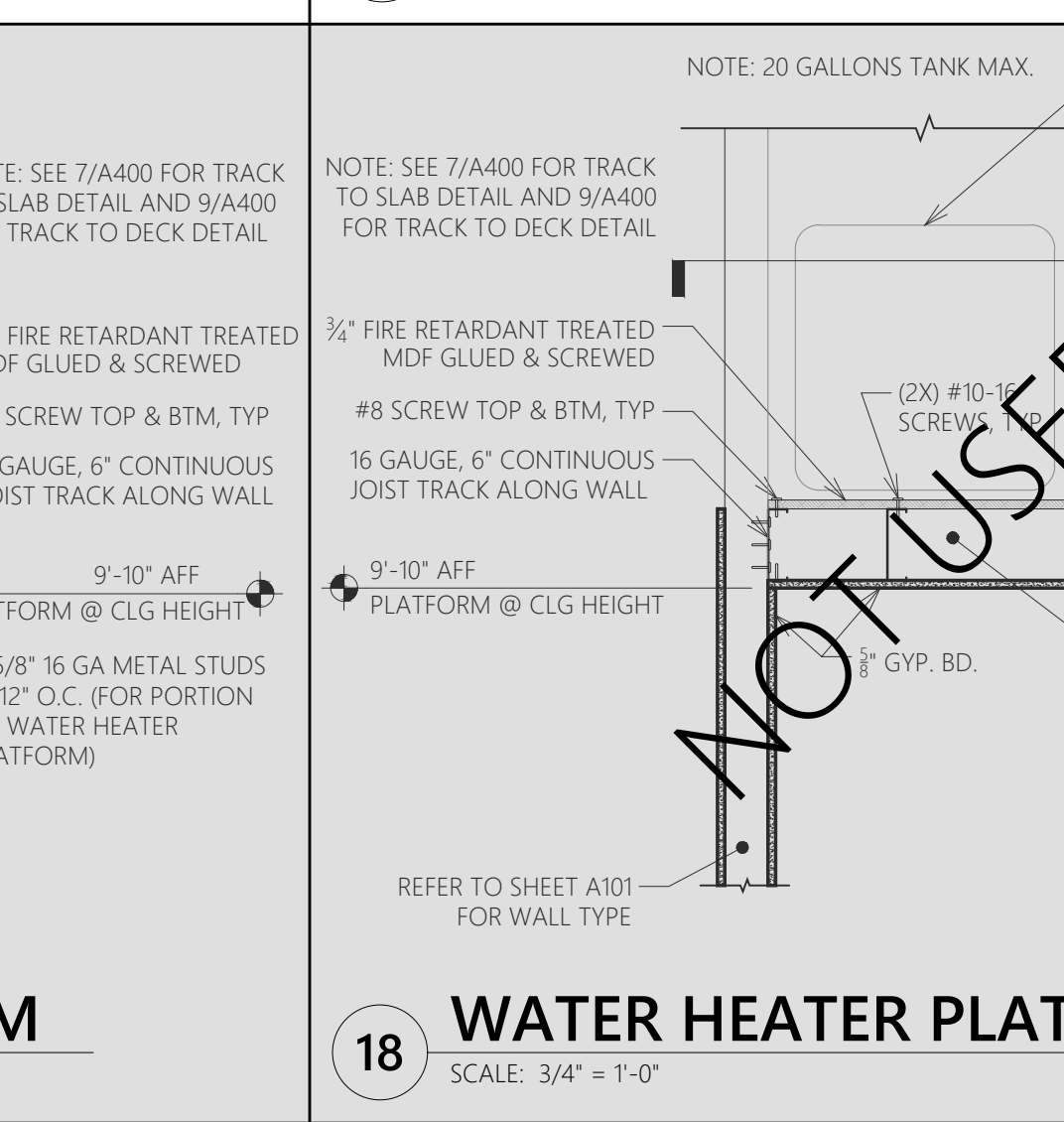
13 DRAWING TUBE STORAGE DETAIL
SCALE: 1" = 1'-0"



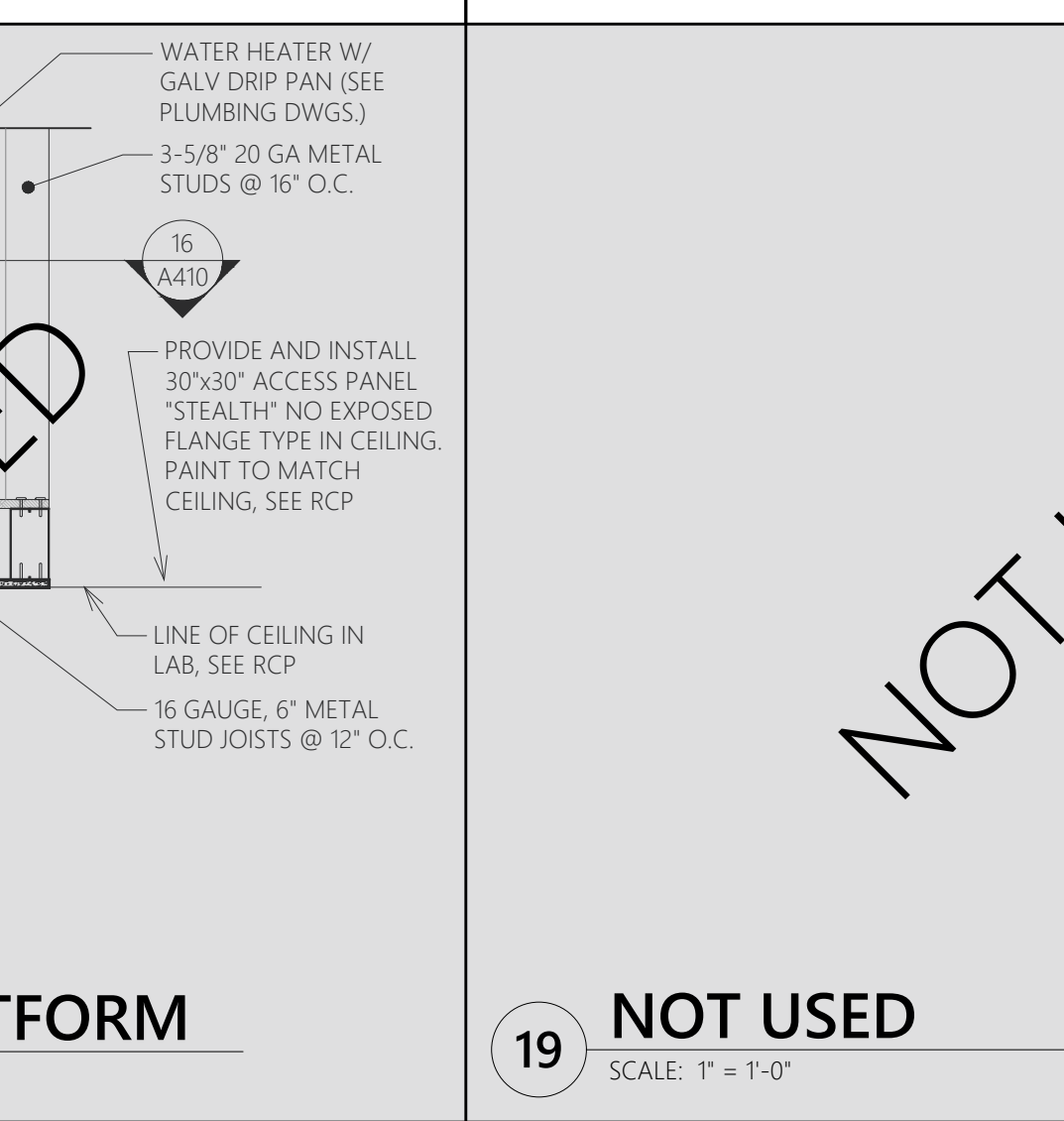
16 WATER HEATER PLATFORM
SCALE: 3/4" = 1'-0"



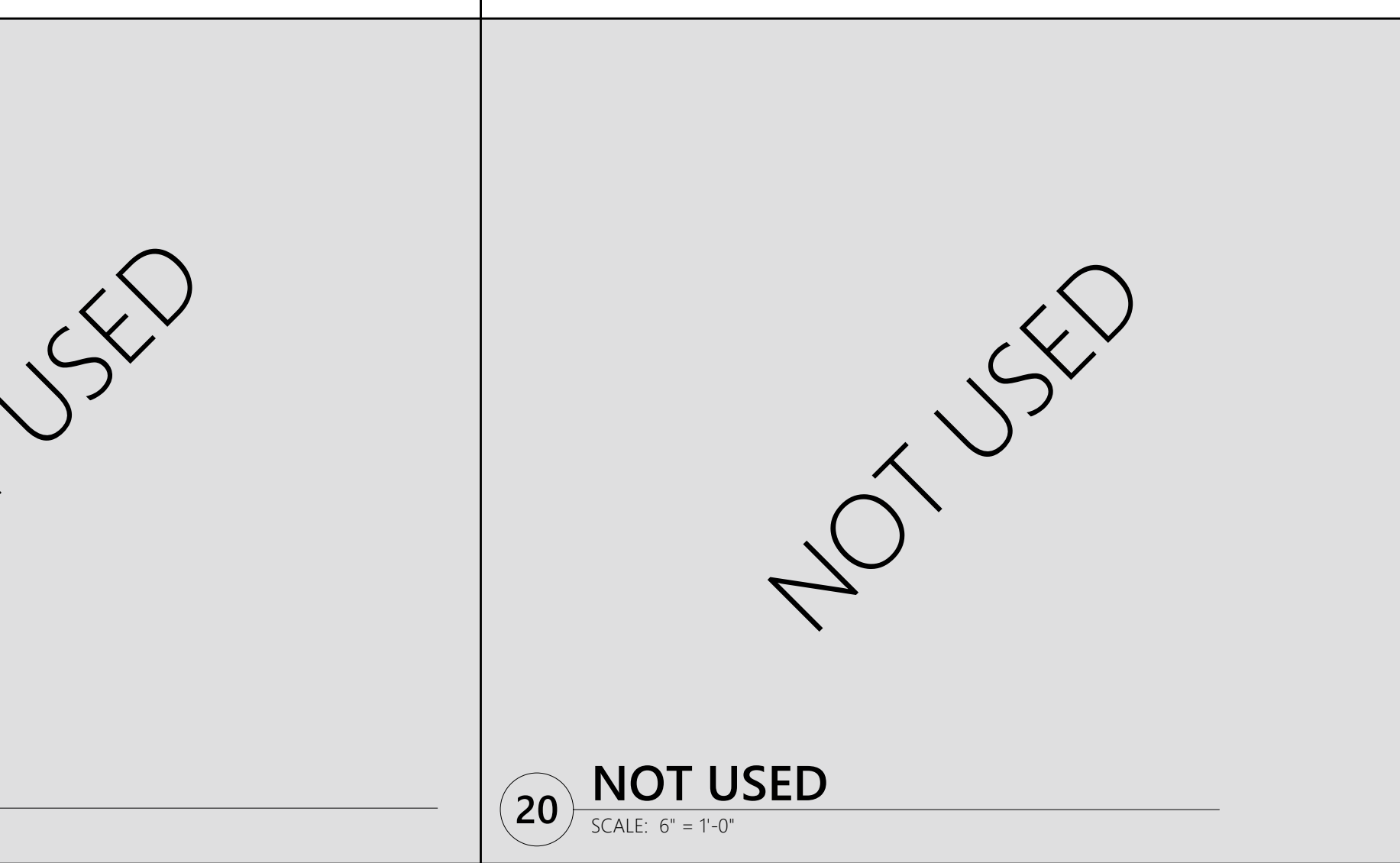
17 WATER HEATER PLATFORM
SCALE: 3/4" = 1'-0"



18 WATER HEATER PLATFORM
SCALE: 3/4" = 1'-0"



19 NOT USED
SCALE: 1" = 1'-0"



20 NOT USED
SCALE: 6" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

sunglass hut
A Brand of EssilorLuxottica

Revisions:

Mark	Date	By
△	02/20/2026	SA
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△		
△		
△		
△		

Architect / Engineer of Record

Seal

Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.: **REV 12**

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

100% PRELIM CONSTRUCTION

100% FINAL (PERMIT, BID) BULLETIN

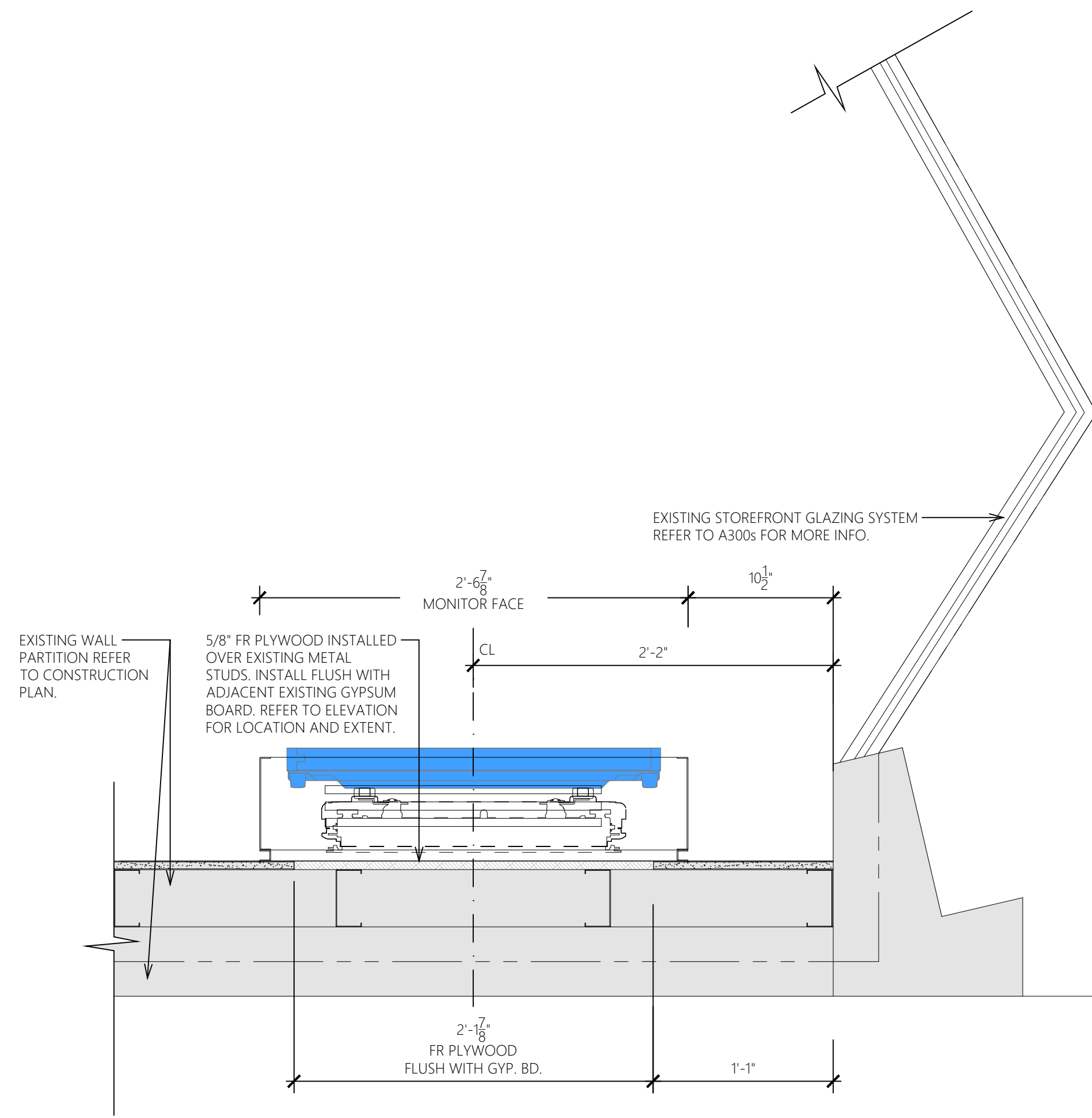
ADDENDUM

Sheet Name:

SECTIONS & DETAILS

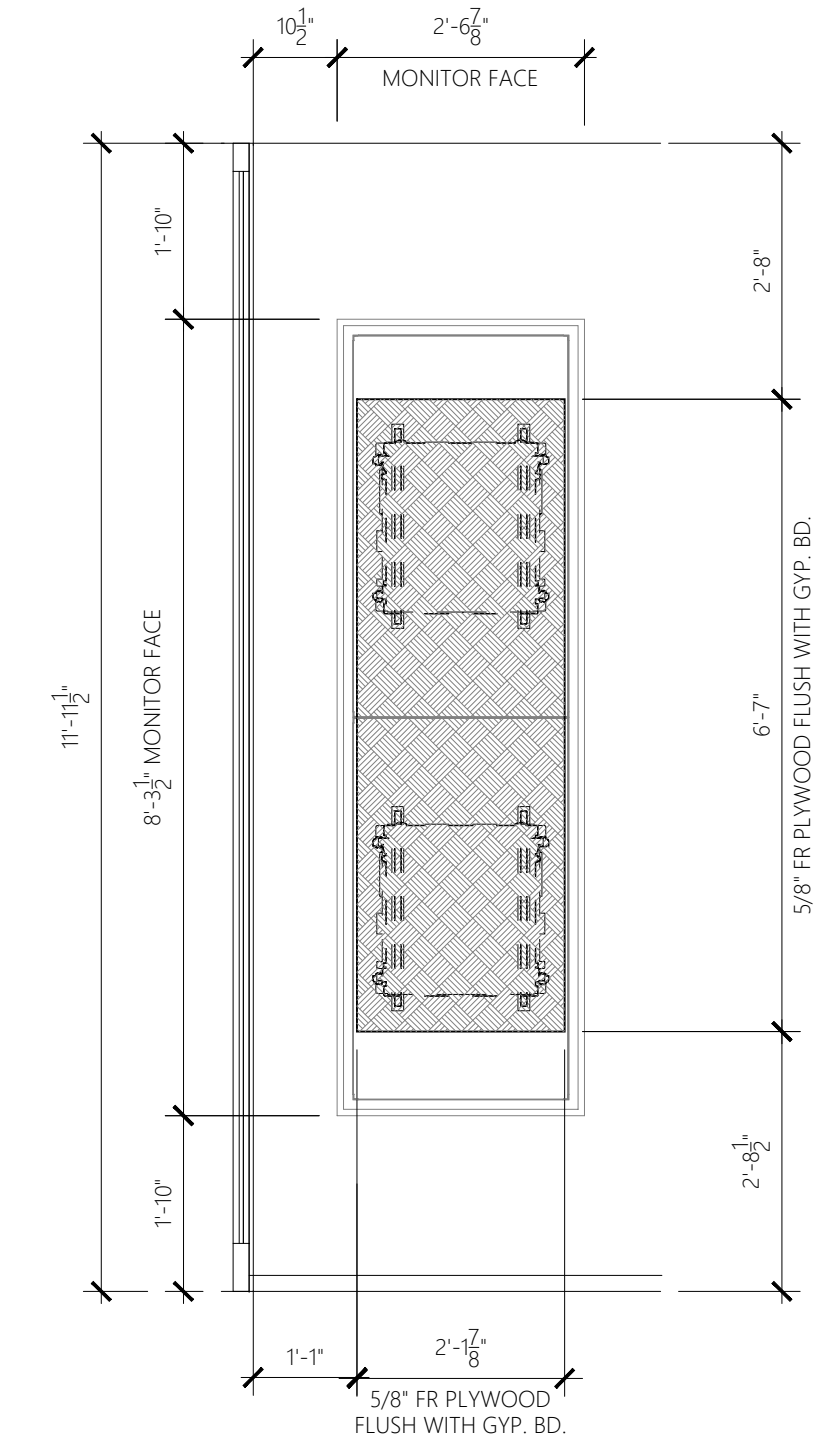
Date 04/08/2026
Drawn By SA
Checked By SA
CC

Sheet No.: A410



DIG-0016P-00-LOC1
(2) 55" MONITORS - ENLARGED PLAN

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

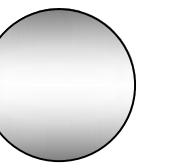


DIG-0016P-00-LOC1
(2) 55" MONITORS - ELEVATION

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

Construction for:

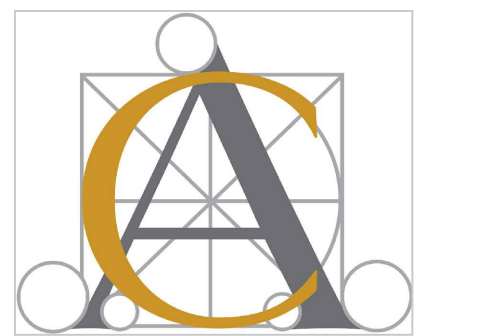
sunglass hut
 A Brand of EssilorLuxottica



Revisions:

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△	02/20/2026	SA
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		PLUMBING PLAN REVIEW
△	04/08/2026	SA
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△		
△		
△		
△		

Architect / Engineer of Record



Seal



Architect / Engineer Job No.:
 LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
 Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

- 100% PRELIM
- 100% FINAL (PERMIT, BID)
- ADDENDUM
- CONSTRUCTION
- BULLETIN

Sheet Name:

DIGITAL MONITOR
 DETAILS

Date

04/08/2026

Drawn By

SA

Checked By

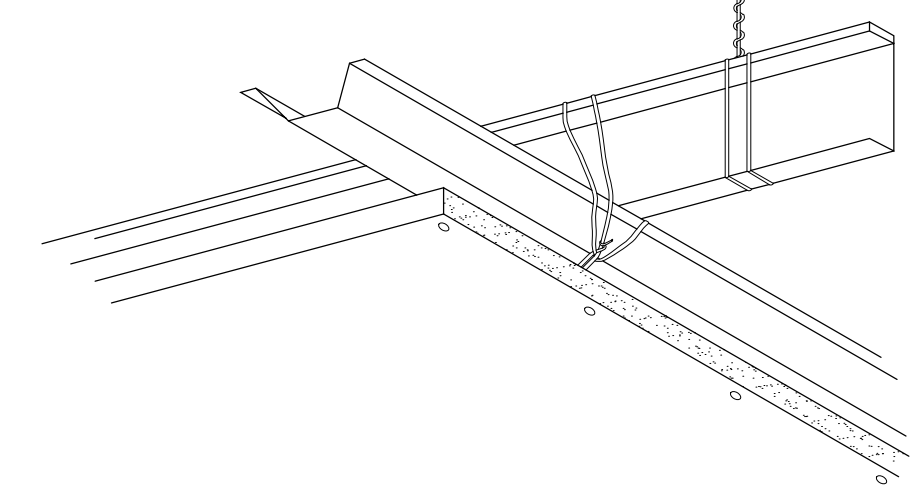
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Sheet No.:

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 VAAULT, 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 UL FIRE RATED FLOOR/CEILING ASSEMBLIES. ACOUSTICAL TILE AND ACOUSTICAL PLASTER PROVIDE GOOD SOUND ABSORPTION.

VERSATILITY:
THESE CEILINGS ARE BEST INSTALLED IN FLAT PLACES. HOWEVER, INSTALLING FACETED CEILINGS OF VARIOUS SHAPES AND AT ANY ANGLE, ALLOWS THICKER 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:

- 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.
- RUNNERS AND CROSS FURRING: DEFLECTION IS LIMITED TO 1/360 OF THE SHORTEST SPAN UNDER THE CEILING LOAD.

10. REFERENCE DOCUMENTS:

- ASTM STANDARDS
 - ASTM C-754 INSTALLATION OF STEEL FRAMING TO RECEIVE SCREW ATTACHED GYPSUM PANELS
 - ASTM C-840 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.15)
 - ASTM C-841 INSTALLATION OF INTERIOR LATHING AND FURRING (SECS. 7.2 & 7.4)
 - ASTM C-844 APPLICATION OF GYPSUM BASE TO RECEIVE GYPSUM VENEER PLASTER (SEC.15)
- RELATED STANDARDS:
 - GA 216 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.12)
 - GA 600 FIRE-RESISTANCE DESIGN MANUAL
 - KBO EVALUATION REPORT ER-4071
 - MANUFACTURERS SPECIFICATIONS FOR THE APPLICATION OF CEMENT BOARD TO CEILINGS.

2.0. MATERIALS:

- HANGER WIRE FOR CEILINGS WEIGHING 4 LBS PSF OR LESS SHALL BE #12 GA DIAMETER GALVANIZED, SOFT ANNEALED STEEL WIRE.
- HANGER WIRE FOR CEILINGS WEIGHING UP TO 10 LBS SHALL BE #9 GA GALVANIZED, SOFT ANNEALED STEEL WIRE.
- 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.
- FURRING SHALL BE 7/8" X 25 GAUGE HAT SHAPED SECTIONS. GALVANIZED OR CORROSION INHIBITING COATING FOR EXTERIOR OR HUMID CONDITIONS.
- TI WIRE SHALL BE 16 GAUGE AND/OR 18 GAUGE GALVANIZED, SOFT ANNEALED STEEL WIRE.

3.0. INSTALLATION:

- WIRE HANGERS SHALL BE ATTACHED TO, OR PRE-INSTALLED IN STRUCTURE CAPABLE OF SUPPORTING THE CEILING WEIGHT, PLUS SAFETY MARGIN, WITHOUT DEFLECTION. THE HANGER ATTACHMENT SHALL DEVELOP FULL HANGER STRENGTH. HANGERS SHALL BE STRAIGHT AND WITHIN A RATION OF 16 OF PLUMB. AVOID HANGER SPLICES. HANGER WIRES SHALL NOT CONTACT MECHANICAL OR ELECTRICAL ITEMS ABOVE THE CEILING. HANGER WIRES SHALL BE INSTALLED AT 4' OC, AND SHALL BE LOCATED WITHIN 6" OF THE ENDS OF MAIN RUNNERS.
- MAIN RUNNERS SHALL BE SPACED AT 4' OC. MAIN RUNNERS SHALL BE LOCATED WITHIN 6" OF PARALLEL WALLS. ATTACH HANGER WIRES TO THE 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.
- 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 NESTED LAP SCREWED OR WIRE TIED AT EACH END. THE REQUIRED FURRING SPACING IS 24" OC FOR 5/8" THICK GYPSUM PANELS AND 18" 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 MANUFACTURERS SPECIFICATIONS.
- 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.
- ACCESSORIES: ACCESSORIES APPROPRIATE TO THE CEILING TYPE SHALL BE USED, AND BE INSTALLED ACCORDING TO THE RELATED REFERENCE STANDARD.
- 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 HEAD AND THE ABUTTING SUBRACKS. 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:

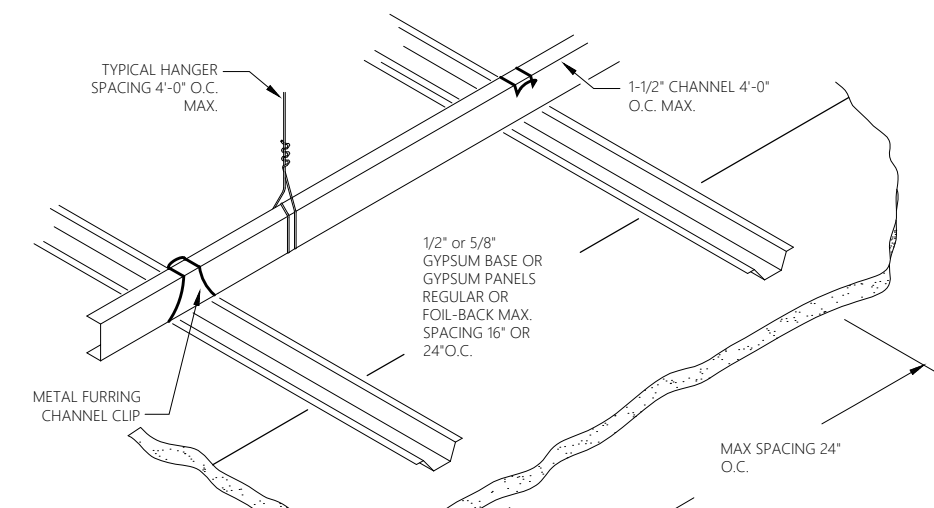
- RUNNERS: SHALL BE THE SAME SIZE AND GAUGE AS FRAMING MEMBERS. ANGEL RUNNER MAY BE USED TO SUPPORT HAT CHANNEL FRAMING.
 - FRAMING: THE FOLLOWING TABLE LISTS THE MAXIMUM SINGLE SPAN FOR FRAMING MEMBERS INSTALLED AT 16" OR 24" OC TO RECEIVE SINGLE LAYER CEILING PANELS.
- | MEMBERS | MAX. SINGLE SPAN |
|--------------------------|------------------|
| 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:

- ATTACH RUNNERS TO WALLS WITH 2 FASTENERS AT EACH WALL STUD
- CUT FRAMING MEMBERS TO WITHIN 1/4" OF CEILING WIDTH
- ATTACH FRAMING TO RUNNERS WITH SCREWS AT BOTH TOP AND BOTTOM FLANGES

5.0. FINISHING

- 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)

- 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 SPAY WIRES (SEE FIGURE 2).
- FOR CEILING AREAS EXCEEDING 1000 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 SPAY WIRES ARE TO BE FOUR 12 GAUGE WIRES ATTACHED TO THE MAIN BEAM. WIRES ARE ABRAVED 90° FROM EACH OTHER AND AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING.
- SEISMIC SPAY 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).

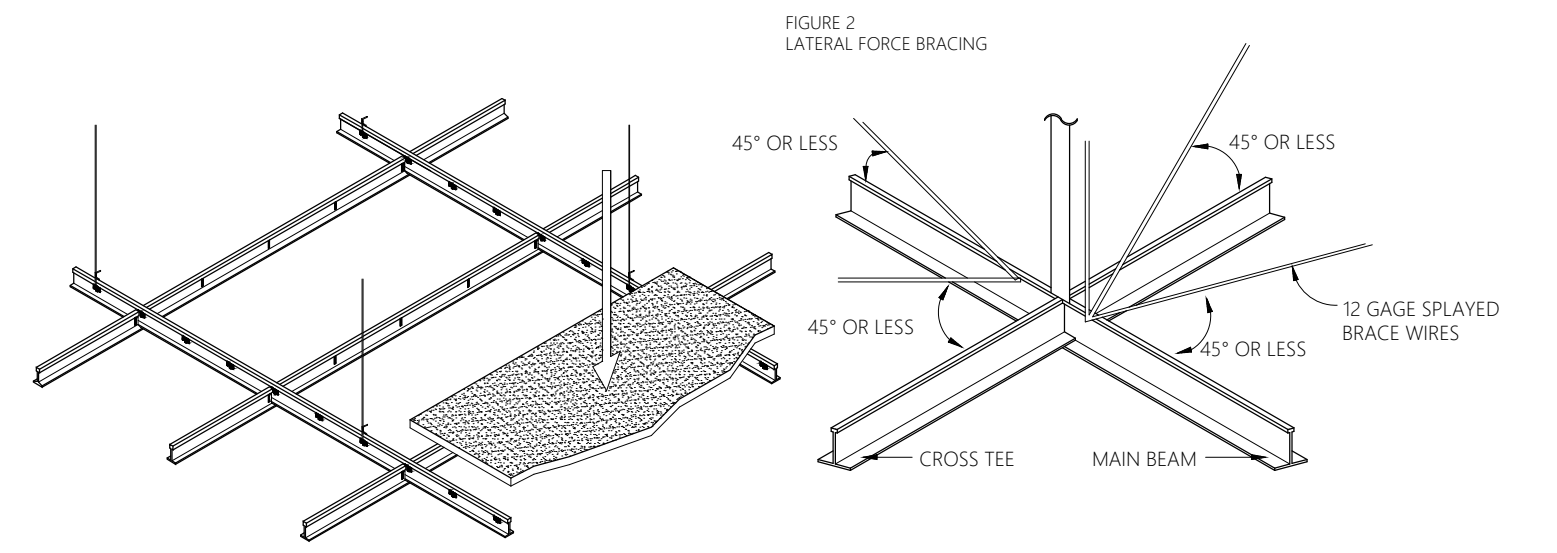


FIGURE 3 MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS

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" (20 gauge)
Back-to-back 1-5/8" metal stud	up to 15'-0" (20 gauge)
Single 2-1/2" metal stud (20 gauge)	up to 13'-6" (20 gauge)
Back-to-back 2-1/2" metal stud	up to 15'-0" (25 gauge)

SOURCE: PORTLAND BUILDING DEPARTMENT
NOTE: PLENUM AREAS GREATER THAN 15'-0" WILL REQUIRE ENGINEERING CALCULATIONS.

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 (ASCE 7-05) 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 SPAY 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 4.85 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 GAUGE 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 4a ATTACHED WALL MOLDING REQUIREMENTS

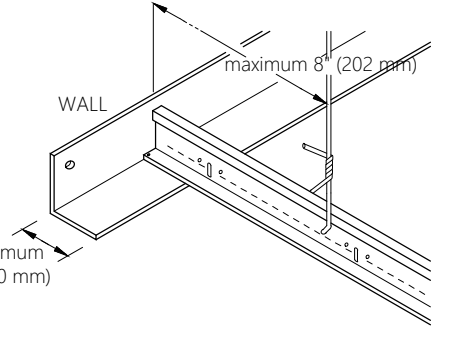
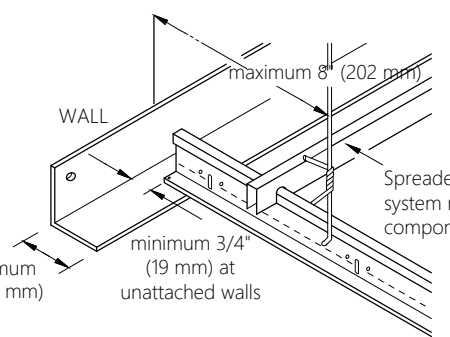


FIGURE 4b UNATTACHED WALL MOLDING REQUIREMENTS



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)

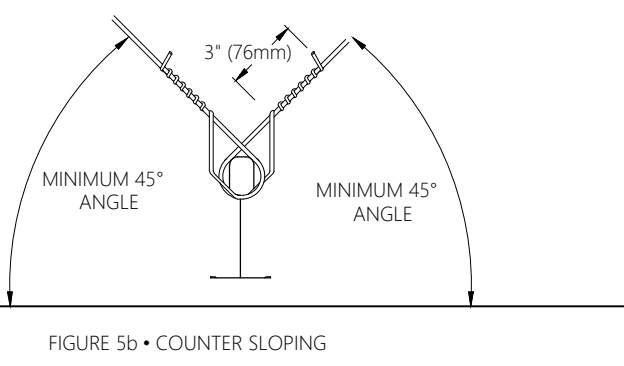
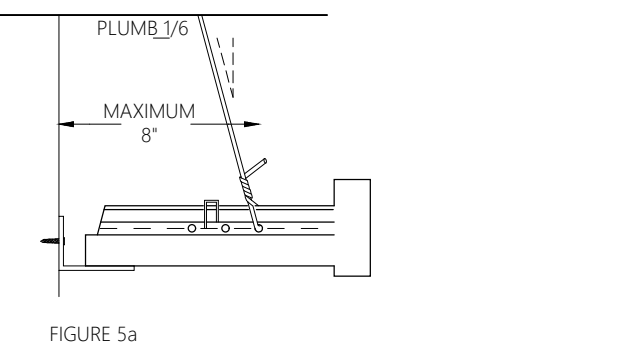
- SPREADER (SPACER) BARS SHALL BE USED TO PREVENT THE ENDS OF THE MAIN BEAMS AND CROSS TEES AT PERIMETER WALLS FROM SPREADING OPEN DURING A SEISMIC EVENT. PERIMETER WIRES SHALL NOT BE IN LIEU OF SPREADER BARS.
- SPREADER BARS ARE NOT REQUIRED AT PERIMETERS WHERE RUNNERS ARE ATTACHED DIRECTLY TO CLOSURE 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.

2 SUSPENDED SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS

NO SCALE

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 GAUGE AND SPACED 4 FEET ON CENTER OR 10 GAUGE HANG WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. THIS WIRE MAY BE SLACK.
- 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 TIE MUST BE SUPPORTED WITHIN 8 INCHES OF EACH WALL WITH A PERIMETER WIRE (SEE FIGURE 4 & 5b).
- WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. A TRAPEZE OR EQUIVALENT DEVICE SHALL BE USED WHERE OBSTRUCTIONS PRECLUDE DIRECT SUSPENSION. TRAPEZE SUSPENSIONS SHALL BE A MINIMUM OF BACK-TO-BACK, 1-1/4" COLD ROLLED CHANNELS FOR SPANS EXCEEDING 48 INCHES.



ELECTRICAL FIXTURES

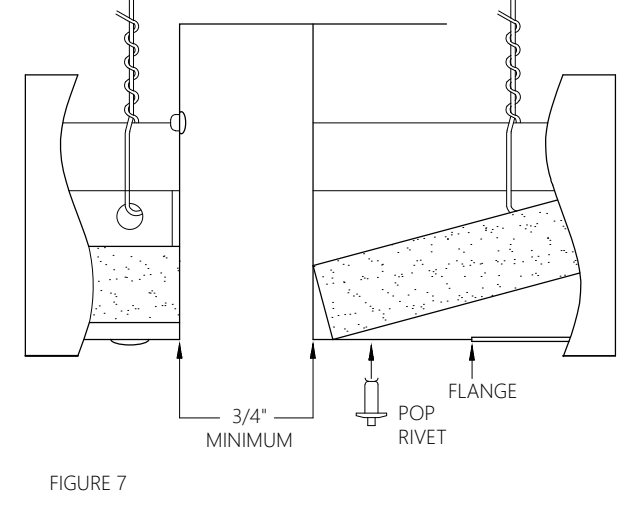
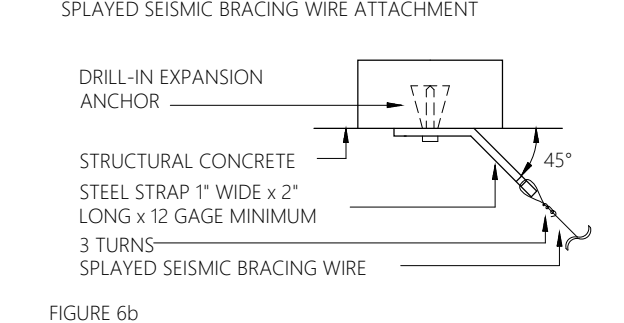
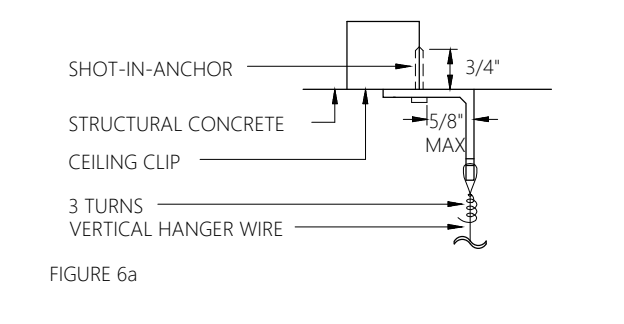
- LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE 1/2 GAGE HANG WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. THIS WIRE MAY BE SLACK.
- LIGHT FIXTURES WEIGHING MORE THAN 10 POUNDS AND LESS THAN 56 LBS. SHALL HAVE TWO 1/2 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE 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 1/2 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 1/2 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 CEILING 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.



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 TIES THE CROSS MEMBER THAT INTERLOCK WITH THE MAIN BEAMS, ALSO KNOWN AS CROSS RUNNERS OR CROSS T-BARS.	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 SPAY WIRES.	PERIMETER WIRES HANGER WIRES PLACED WITHIN EIGHT INCHES OF THE SURROUNDING WALLS.
DIFFUSER A CIRCULAR OR RECTANGULAR METAL GRID USED FOR THE PASSAGE OF AIR FROM A DUCTED SYSTEM.	MAIN BEAM THE PRIMARY SUSPENSION MEMBER SUPPORTING HANGER WIRES, ALSO KNOWN AS THE MAIN RUNNER.	PLENUM THE SPACE ABOVE A SUSPENDED CEILING.
ESSENTIAL SERVICE BUILDINGS ANY BUILDING DESIGNED TO BE USED BY PUBLIC AGENCIES AS A FIRE STATION, POLICE STATION, EMERGENCY OPERATIONS CENTER, STATE OFFICE, OR EMERGENCY COMMUNICATION DISPATCH CENTER.	MOLDING-CLOSURE ANGLE A LIGHT GAUGE METAL ANGLE OR CHANNEL FASTENED TO THE PERIMETER WALL OR PARTITION TO SUPPORT THE PERIMETER END OF AN ACOUSTICAL CEILING GRID.	SPACKER OR SPACER BAR A BAR WITH NOTCHES TO PREVENT THE SUSPENSION SYSTEM FROM SEPARATING, ALSO CALLED A STABILIZER BAR.
HANGER WIRE 10 OR 12 GAGE SOFT ANNEALED WIRE USED AS THE PRIMARY SUPPORT FOR THE GRID SYSTEM, ALSO CALLED SUSPENSION WIRES.	PERIMETER CLIPS PROPRIETARY ANGLE BRACKET ATTACHED DIRECTLY TO THE WALL MOLDING-CLOSURE ANGLE WHICH ALLOWS FOR 3/4\"/>	

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 (SPRAYED 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 BRACING WIRES, THE ADDITION OF COMPRESSION STRUTS WILL ONLY BE REQUIRED WHEN AND WHERE THE GRID IS REPLACED, ALTERED, RAISED OR LOWERED.

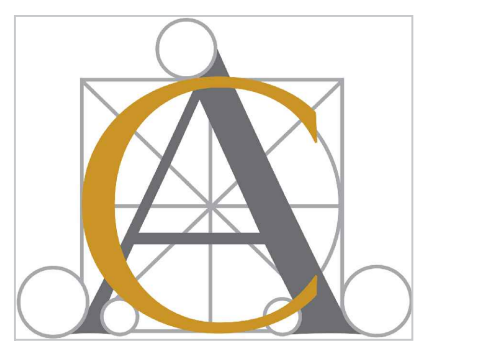
Construction for:



Revisions:

Mark	Date	By
△	02/20/2026	SA
		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
		PLUMBING PLAN REVIEW
△	04/08/2026	SA
		DESIGN REV.12
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Architect / Engineer of Record



Seal



Architect / Engineer Job No.: **LUX 26**

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number **10128**

Brand Design Type: **SGH**
DESIGN TYPE : **SGH (PURE)**

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

CEILING DETAILS

Date **04/08/2026** Sheet No.:

Drawn By

SA

Checked By

CC

A440



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

1 RENDERING - STOREFRONT
NOT TO SCALE



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

2 RENDERING - STOREFRONT
NOT TO SCALE



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

3 RENDERING - INTERIOR 1
NOT TO SCALE

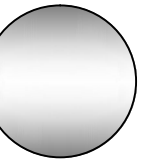
DESIGN & CONSTRUCTION
MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
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STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

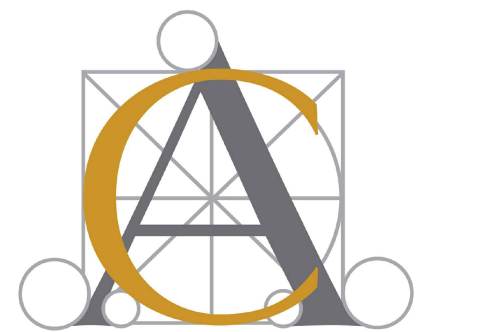
sunglass hut
A Brand of EssilorLuxottica



Revisions:

Mark	Date	By
△	02/20/2026	SA
	ACCESSIBILITY PLAN REVIEW#1	
△	03/31/2026	SA
	PLUMBING PLAN REVIEW	
△	04/08/2026	SA
	DESIGN REV 12	
△		
△		
△		
△		

Architect / Engineer of Record



Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 12

EssilorLuxottica
Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

RENDERINGS

Date	04/08/2026	Sheet No.:	
Drawn By	SA		A900
Checked By	CC		

Air System Sizing Summary for VAV (In Alternative: Default Alternative)			
Project: Ross Park Prepared by: WNA Engineering, Inc.		12/19/2025 1:30 PM	
Air System Information			
Air System Name	VAV	Number of zones	1
Equipment Class	PKG ROOF	Floor Area	1009.9 sqft
Air System Type	VAV	Location	Pittsburgh Intl, PA, USA
Sizing Calculation Information			
Calculation Months	Jan to Dec	Zone CFM Sizing	Peak zone sensible load
Sizing Data	Calculated	Space CFM Sizing	Individual peak space loads
Central Cooling Coil Sizing Data			
Total coil load	3.2 Tons	Peak coil load occurs at	July 0:00
Sensible coil load	38.9 MBH	OA DB / WB	75.6 / 68.1 F
Coil CFM at peak load	1585 CFM	Entering DB / WB	75.0 / 61.8 F
Sum of peak zone CFM	1619 CFM	Leaving DB / WB	53.6 / 53.2 F
Sensible heat ratio	0.920	Resulting RH	48 %
CFM/Ton	489.4	Design supply temp	55.0 F
sqft/Ton	311.8	Zone T-stat Check	1 of 1 OK
BTU/hr sqft	38.6	Max zone temperature deviation	0.0 F
Water flow @ 10.0 F rise	N/A		
Preheat Coil Sizing Data			
No heating coil loads occurred during this calculation.			
Supply Fan Sizing Data			
Design CFM	1619 CFM	Fan motor BHP	0.89 BHP
Design CFM occurs at	January 23:00	Fan motor KW	0.70 kW
Design CFM/sqft	1.60 CFM/sqft	Fan total static	2.00 in wg
Sum of peak zone CFM	1619 CFM		
VAV Fan Diversity	0.0 %		
Outdoor Ventilation Air Data			
Design airflow CFM	0 CFM	CFM/person	0.00 CFM/person
CFM/sqft	0.00 CFM/sqft		

Zone Heat Balance Summary for VAV (In Alternative: Default Alternative)						
Project: Ross Park Prepared by: WNA Engineering, Inc.			12/19/2025 1:30 PM			
Table 1. Heat Balance Loads for Zone VAV						
Zone Heat Balance Component	DESIGN COOLING - JANUARY 23:00			DESIGN HEATING		
	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	1010 sqft	3387	-	1010 sqft	0	-
Interior Wall Convection	1649 sqft	4105	-	1649 sqft	0	-
Ceiling Convection	1010 sqft	5470	-	1010 sqft	0	-
Overhead Lighting Convection	1525 W	2000	-	0 W	0	-
Task Lighting Convection	0 W	0	-	0 W	0	-
Electric Equipment Convection	6800 W	17402	-	0 W	0	-
Proprietary Convection	15	1122	3112	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	0
Safety Factor	0% / 0%	0	0	0%	0	0
Key:		33486	3112			
		Positive values are cooling loads			Positive values are heating loads	
		Negative values are heating loads			Negative values are cooling loads	

Note 1: Surface convection line items show the combined effects of conductive heat gain to the surface and radiative heat gains absorbed at the surface which are then convected to room air.

Note 2: Lighting, equipment, and people line items include only the direct convective heat gain from the heat source to the room air. The radiative portion of the heat gain is first absorbed by surfaces in the room and then later convected from the surface to the air. Therefore the effect of the radiative portion of the heat gain is found in the surface convection line items.

Note 3: Solar heat gain is absorbed by surfaces in the room, re-radiated to other surfaces, and finally convected from the surfaces to room air. Therefore, the effect of solar heat gain is found in the surface convection line items.

DIFFUSER NECK SIZE & RUNOUT SCHEDULE	
CFM RANGE	NECK/DUCT SIZE DIAMETER
0-100	6"
101-230	8"
231-400	10"
401-600	12"
601-900	14"

NOTES:
1. ALL BRANCH DUCT DIAMETERS SHALL EQUAL DIFFUSER NECK SIZE.

VAV WITH ELECTRIC REHEAT TERMINAL SCHEDULE									
TAG	SERVES	PRIMARY AIR			HEATING DATA			MANUFACTURER	MODEL
		DESIGN CFM	MIN. CFM	INLET DIA.	HEAT MAX CFM	KW	V/PH		
VAVH-1	ALL SPACES	1300	260	12	390	3	208 / 1	TRANE	VCEF12

NOTES:
1. UNITS SHALL HAVE 1/2" FIBER FREE LINER, SINGLE POINT POWER CONNECTION WITH DOOR INTERLOCK SWITCH, MULTI-POINT CENTER AVERAGING AIRFLOW SENSOR, GALVANIZED DAMPER WITH APPURTENANCES REQUIRED FOR DAMPER MODULATION, WALL THERMOSTAT, AIRFLOW SWITCH, AUTOMATIC THERMAL RESET, DISCHARGE TEMPERATURE SENSOR, INTEGRAL TRANSFORMER.
2. REFER TO PLANS FOR SUGGESTED HAND OF CONTROLS BOX AND ELECTRIC HEATER. CONTRACTOR SHALL VERIFY PRIOR TO PURCHASE.

DUCTWORK INSULATION SCHEDULE							
SYSTEM AIR TYPE	LOCATION	INSULATION					
		MATERIAL	TYPE	THICKNESS (IN)	MIN. R-VALUE	JACKET	
SUPPLY	RETURN AIR PLENUM	CONCEALED	NOT REQUIRED				
	PRIMARY (UPSTREAM OF VAV) IN RA PLENUM	CONCEALED	MINERAL-FIBER	BLANKET	1.5	4.0	FSK
EXHAUST/RELIEF	CONDITIONED	EXPOSED					

NOTES:
1. CONDITIONED AREAS INCLUDE: HEATED OR COOLED AREAS WITHIN THE BUILDING ENVELOPE, CEILING PLENUMS, INTERNAL MECHANICAL SHAFTS.
2. DO NOT INSULATE:
- TRANSFER AIR DUCTWORK (ACOUSTICALLY LINED, CLEAR INSIDE DIMENSIONS SHOWN ON PLANS, REFER TO DUCT CONSTRUCTION SCHEDULE)
- VISIBLE SUPPLY DUCTWORK LOCATED IN MECHANICALLY COOLED SPACES.
- LINED DUCTWORK IN CONDITIONED AREAS (WITHIN THE BUILDING ENVELOPE)
3. NOT ALL SYSTEM TYPES MAY BE USED ON PROJECT/PLANS.

DUCTWORK CONSTRUCTION SCHEDULE							
LOCATION IN DUCT SYSTEM	MATERIAL	SMACNA CLASS					REMARKS
		STATIC PRESSURE (IN W.C.)	SEAL CLASS	LEAKAGE CLASS (RECTANGULAR/ROUND)	POSITIVE(P) OR NEGATIVE(N)	DUCT TEST PRESSURE (IN W.C.)	
SUPPLY AIR DUCTS UPSTREAM OF VAV TERMINALS	GALVANIZED STEEL	4"	A	6/3	P	5	1
SUPPLY AIR DUCTS DOWNSTREAM OF VAV TERMINALS	GALVANIZED STEEL	1"	B	24/12	P	1	1
RETURN DUCTS (CONDITIONED SPACES)	GALVANIZED STEEL	1"	B	24/12	P & N	1	1
GENERAL EXHAUST DUCTS RUNS UNDER 100' LONG	GALVANIZED STEEL	1"	B	24/12	N	1	

NOTES:
1. PROVIDE ACOUSTICAL LINER FOR THE LOCATIONS BELOW. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND LINER DETAILS.
- ALL TRANSFER AIR DUCTWORK (1" THICK)
- ALL RECTANGULAR SUPPLY DUCTWORK DOWNSTREAM OF VAV/FPV/FCU FOR 15 FEET (1" THICK)
- INDOOR DUCTWORK INDICATED ON PLANS (1" THICK)
2. NOT ALL DUCT SYSTEMS MAY BE USED ON PROJECT/PLANS.

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 NEXTORE 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 MELIN. 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.

1-LC09-M001-REV04

PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS.
PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES IN A DEMISING WALL, OR OTHER FIRE WALL.

EXISTING FAN SCHEDULE														
TAG	SERVES	TYPE	CFM	SP (IN W.C.)	FAN RPM	W	MCA	MOCF	ELECTRIC VOLTS/PHASE	WEIGHT (LBS.)	MAX. SONES	CONTROL	MANUFACTURER	MODEL
EX. EF-1	103 - RESTROOM	CEILING	70	0.25	900	15	1/5	15	115/1	12	0.8	SWITCH	GREENHECK	SP-A90

NOTES:
1. GC TO FIELD-VERIFY CONDITION OF EXHAUST FAN. REFURBISH TO LIKE-NEW CONDITION.
2. IF THE EXISTING EXHAUST FAN IS UNABLE TO BE REUSED, THE NEW EXHAUST FAN SHALL FOLLOW THE ABOVE SPECIFICATIONS.
3. GC TO PROVIDE ADD ALT PRICING AS SEPARATE LINE ITEM AT TIME OF BID IN CASE THE EXHAUST FAN MUST BE REPLACED.

MECHANICAL VENTILATION SCHEDULE												
SPACE NAME	VENTILATION CLASSIFICATION	UNIT	SPACE VENTILATION EFFICIENCY	AREA (SF)	CFM /FT ²	OCCUPANTS	CFM/ PERSON	BREATHING ZONE OUTDOOR AIRFLOW (CFM)	EXHAUST CFM/FIXTURE	NUMBER OF FIXTURES	EA CFM REQUIRED	EA CFM PROVIDED
101 - RETAIL SALES	SALES	VAVH-1	92.1%	882.4	0.12	13	7.5	203	-	-	-	-
102 - BREAKROOM	BREAK ROOMS (LOW OCCUPANCY) (NOTE 2)	VAVH-1	89.0%	58.4	0.06	2	5	14	-	-	-	-
103 - RESTROOM	TOILET ROOMS (PUBLIC) (INTERMITTENT)	VAVH-1	100.0%	52.6	0	0	0	0	70	1	70	85
104 - UTILITY	UNOCCUPIED	VAVH-1	93.8%	17	0.06	0	0	1	-	-	-	-

NOTES:
1. MECHANICAL VENTILATION PROVIDED IN ACCORDANCE WITH 2021 IMC SECTION 403.
2. THIS SPACE UTILIZES 2016 ASHRAE 62.1.

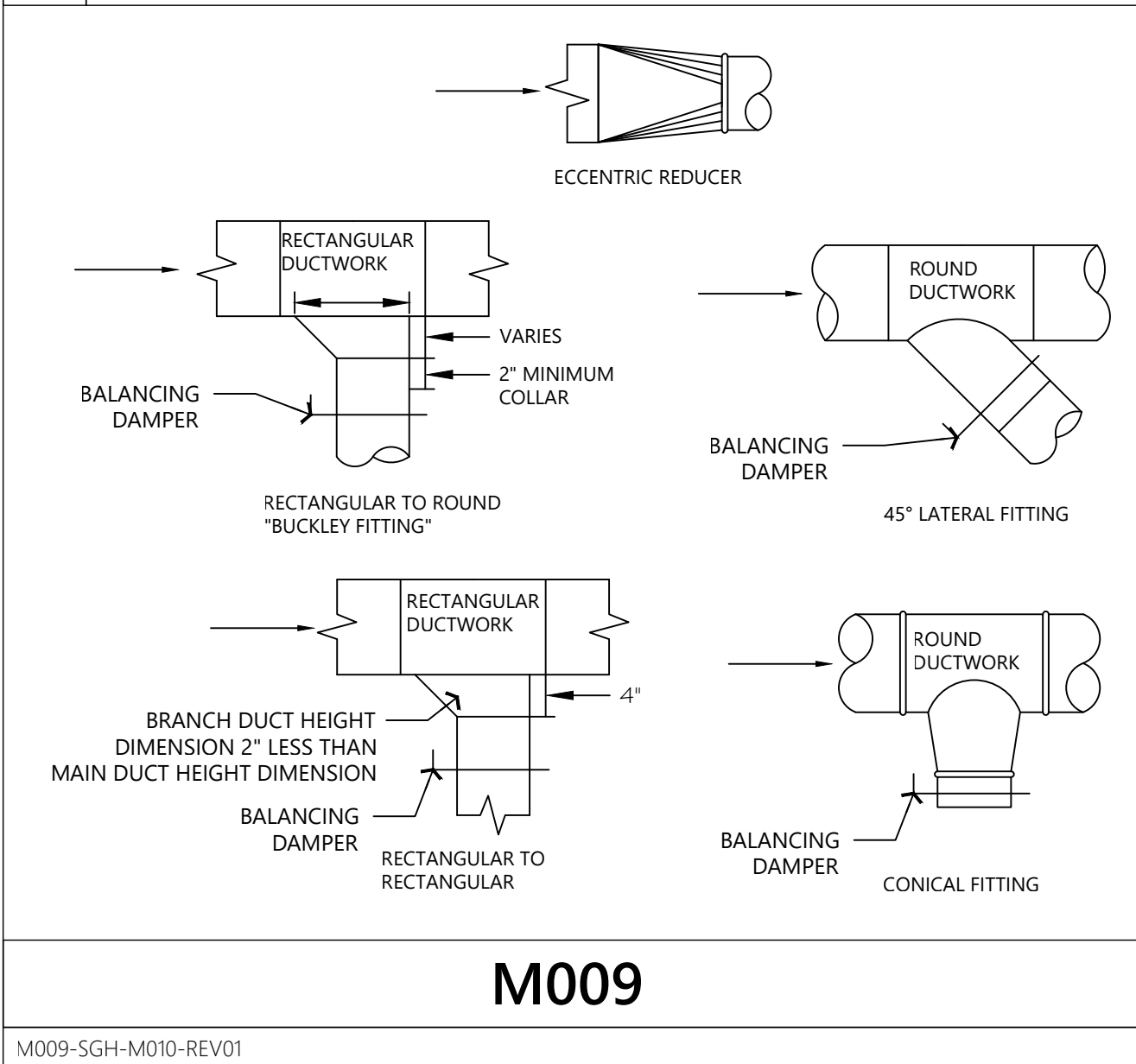
B RESPONSIBILITY SCHEDULE (HVAC)	
DIVISION 15000 - MECHANICAL	SUPP. REV. INCL. DES. P.A.R. REC. REMARKS
ACCESS PANELS	GC GC GC
HVAC DISTRIBUTION, DUCTWORK, DIFFUSERS	GC GC GC ● ●
HVAC UNITS - VAV	T GC GC
CONTROLS FOR HVAC UNITS	GC GC GC
STRUCTURAL SUPPORTS FOR VAV'S	GC GC GC
TOILET ROOM EXHAUST FAN	GC GC GC ●
MEP RESP SCHEDULE-REV01	

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

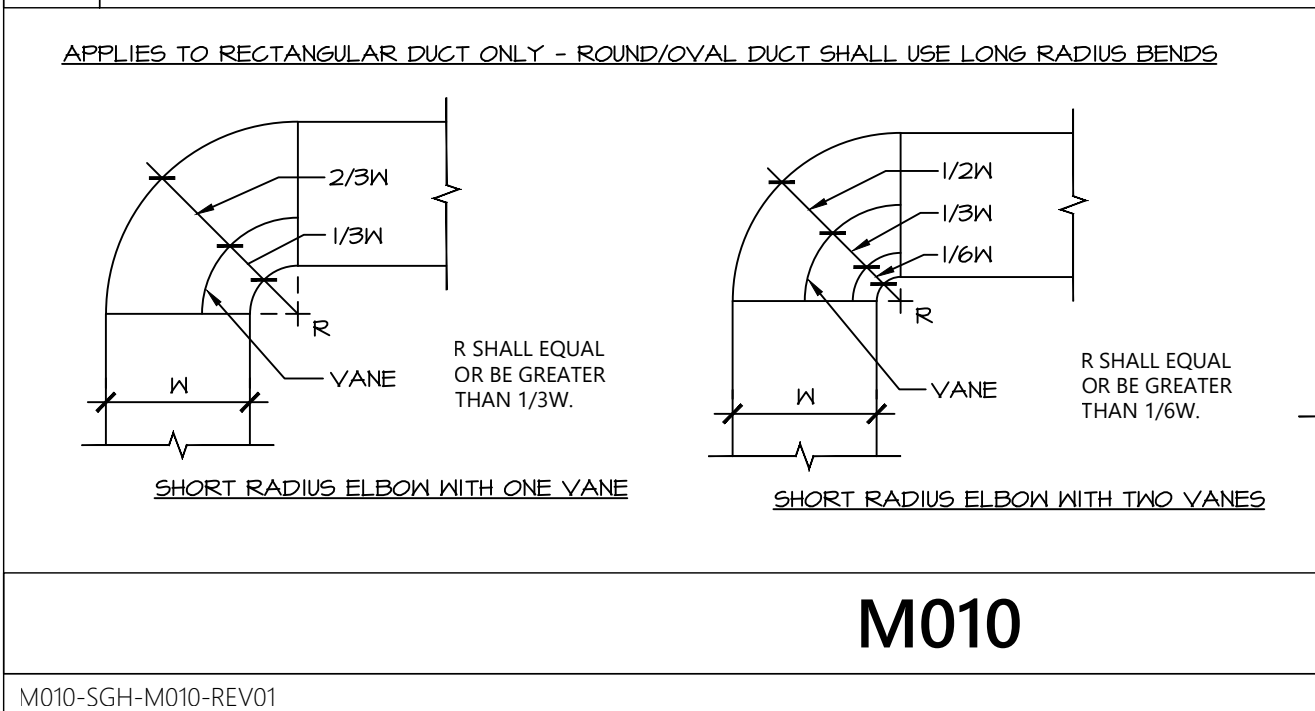
REMARKS:
● COORDINATE WITH TRADES FOR SIZE AND LOCATION.
● SEE PLANS FOR SCOPE OF WORK.
● PROVIDE NEW AIR HANDLING UNIT. SEE PLANS FOR SCOPE OF WORK.
● WHERE LANDLORD CONTROLS ARE REQUIRED, UTILIZE LANDLORD CONTROLS CONTRACTOR AT GC'S EXPENSE.
● COORDINATE NEED FOR STRUCTURAL ANALYSIS WITH ARCHITECT AS SOON AS POSSIBLE.
● REFURBISH TO LIKE-NEW CONDITION.

Revisions:		
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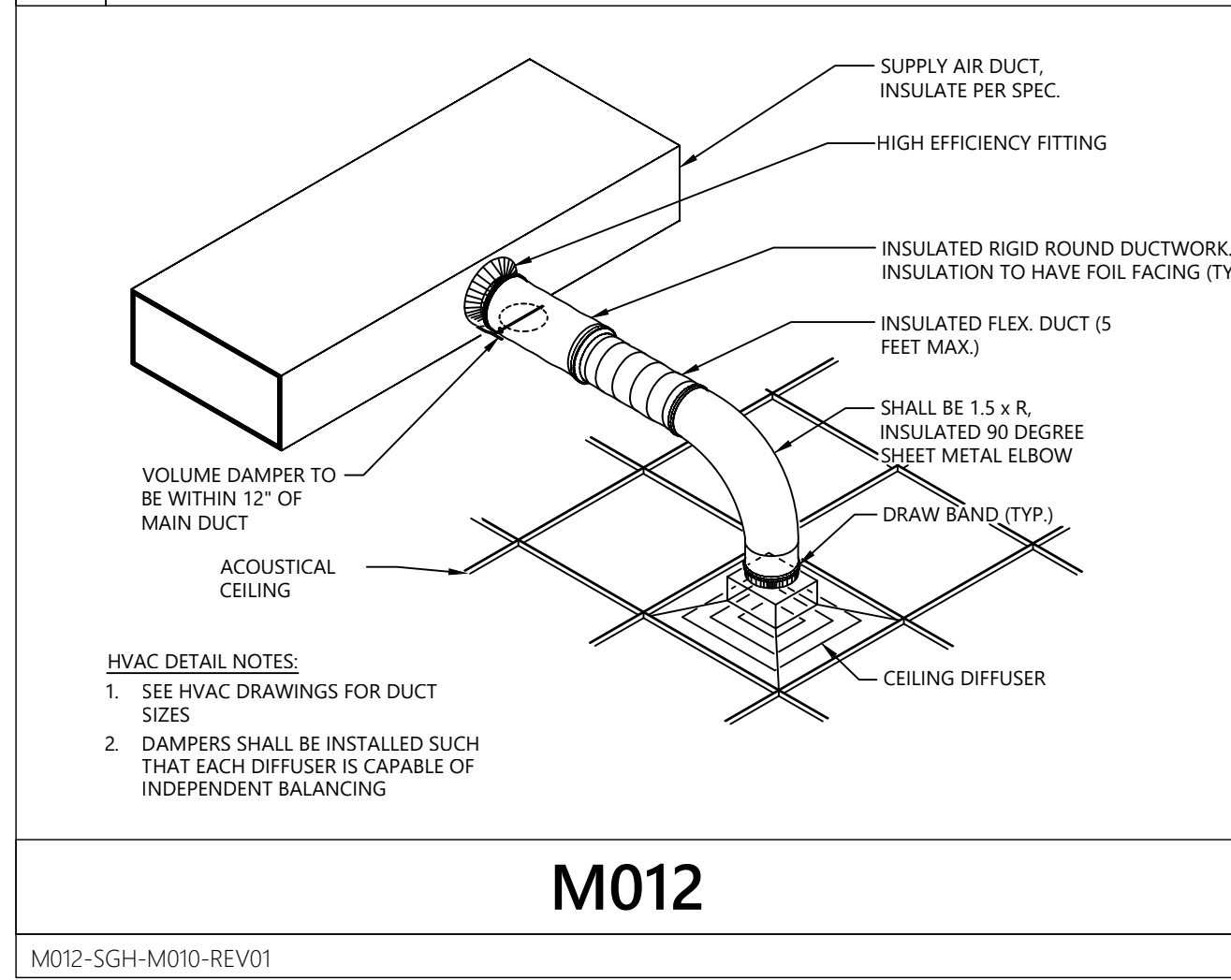
1 DUCT BRANCH TAKE-OFF DETAIL



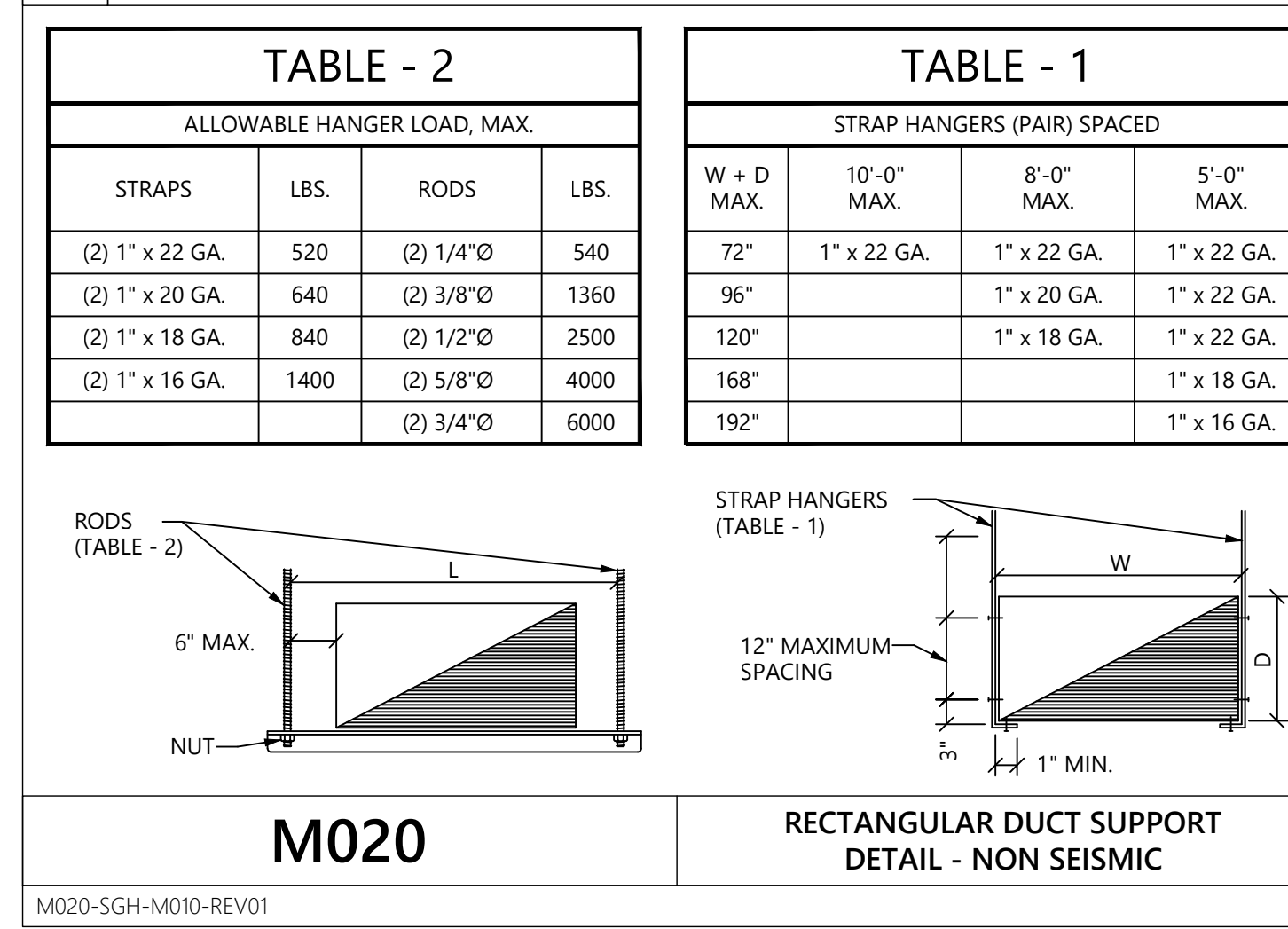
2 RADIUS ELBOW DETAIL



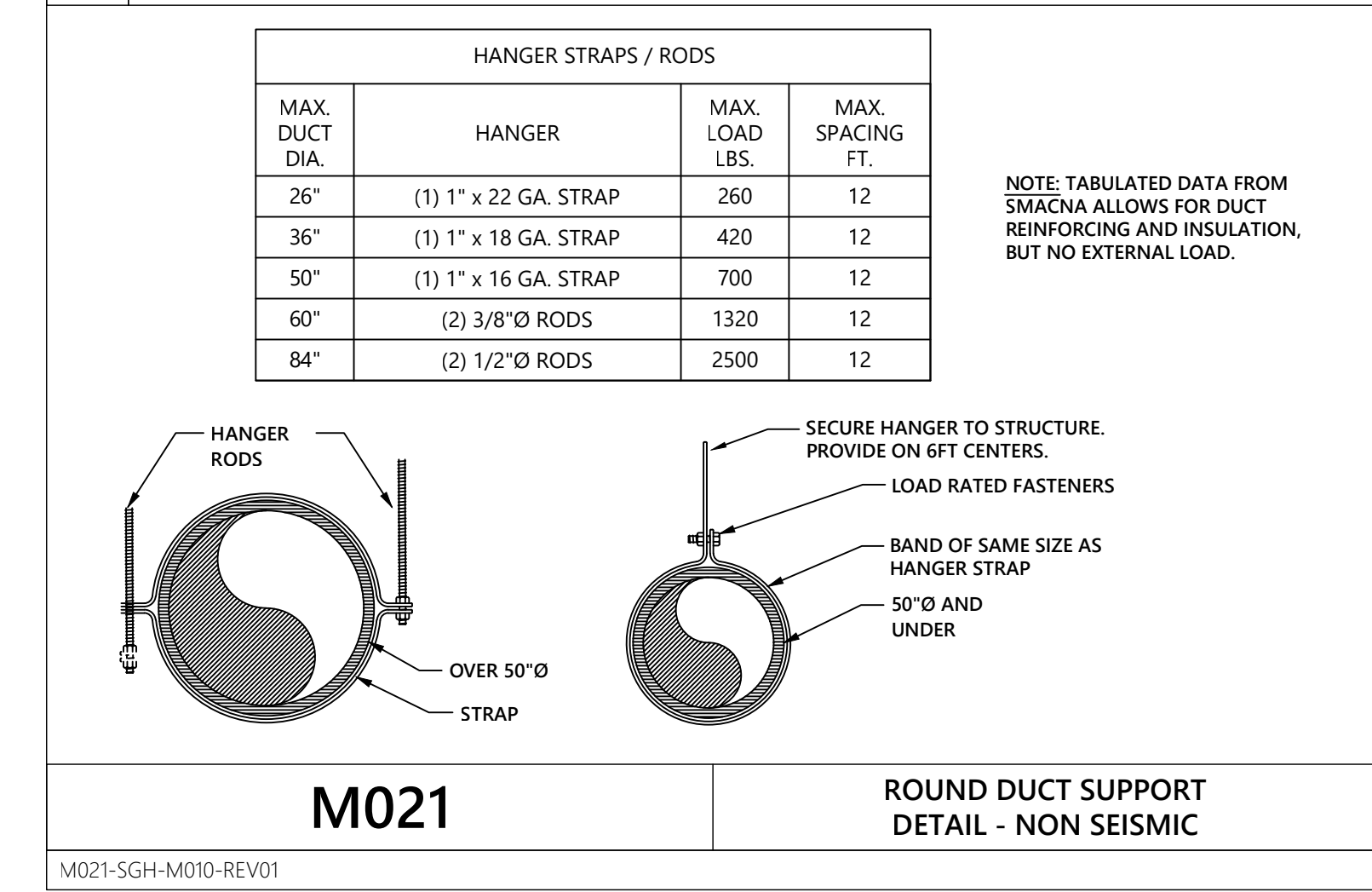
3 DUCT CONNECTION DETAIL



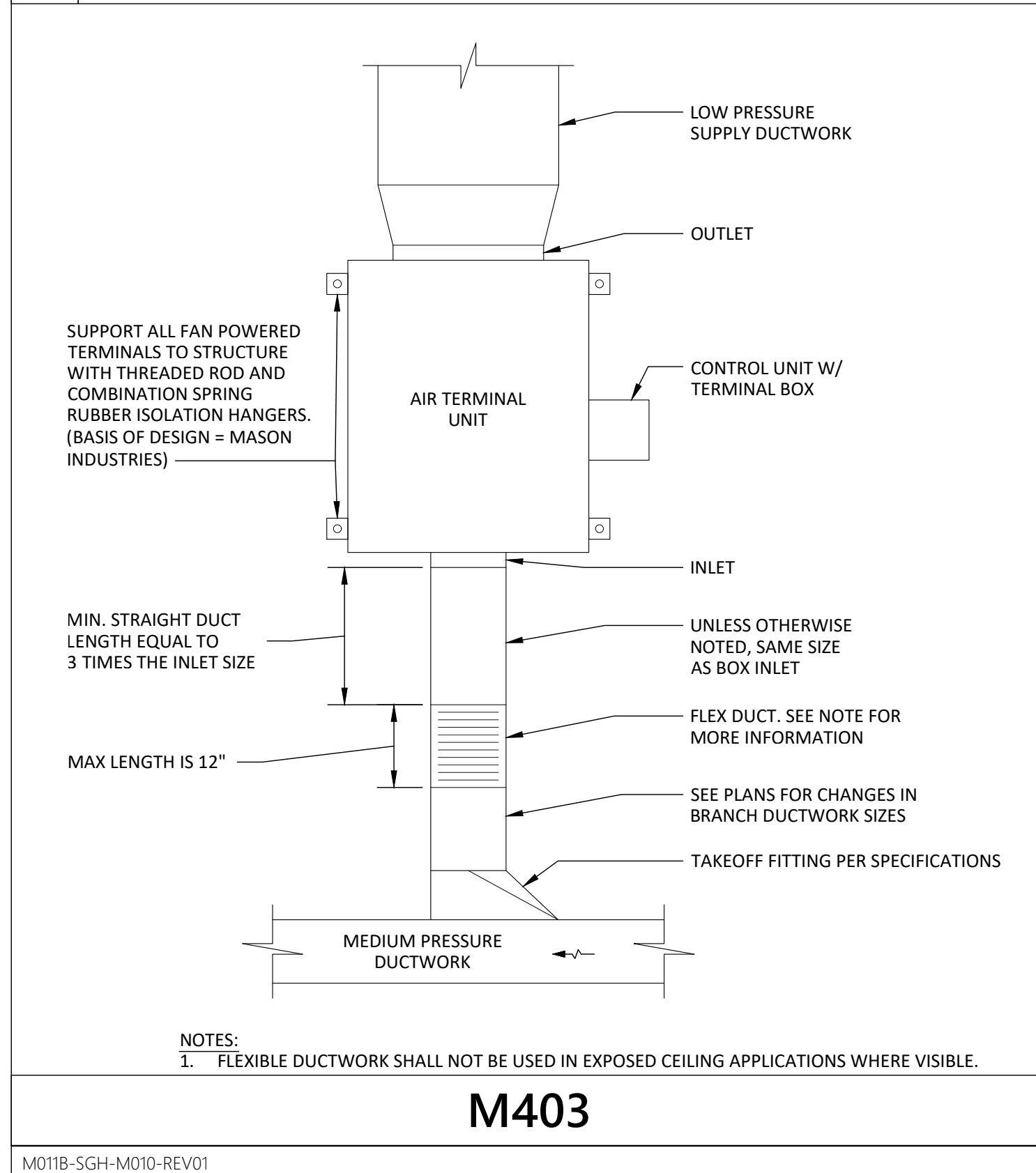
5 DUCT SUPPORT DETAIL



6 DUCT SUPPORT DETAIL



4 VAV TERMINAL INSTALLATION DETAIL



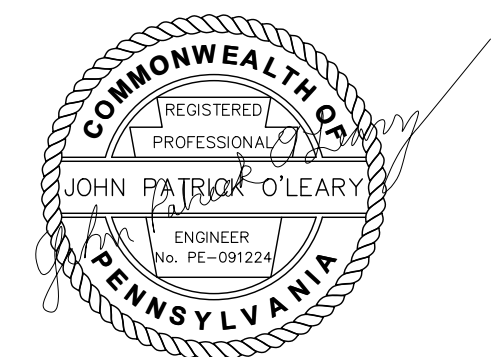
Revisions:

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Engineer of Record



Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

HVAC DETAILS

Date: 01/28/2026
 Drawn By: WNA
 Checked By: JPO
 Sheet No.: M010

MECHANICAL SPECIFICATIONS

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) (INSPIREC) AND ANY OF THE TENANT'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
 2. REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
 3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE TENANT REQUIREMENTS IN ADDITION TO THOSE SPECIFIED.

4. GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.

B. SCOPE OF WORK

1. THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE TENANT. GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE TENANT A COMPLETE, CODE APPROVED AND OPERATIONAL MECHANICAL SYSTEMS.

2. CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES WORK SCOPE. CONSULT WITH OTHER TRADES TO INSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE TENANT BEFORE WORK IS COMMENCED.

3. ALL CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCES SHALL BE MADE TO ALL CONTRACTORS BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.

4. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND THE DRAWINGS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE TENANT.

5. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED MECHANICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
 a. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL HVAC EQUIPMENT, PIPING, DUCTWORK, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE HVAC SYSTEMS FOR THE NEW RENOVATED AREAS.
 b. ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR.
 c. ALL ABOVE GROUND SERVICES SHALL BE REMOVED BACK TO THEIR RESPECTIVE MAIN AND CAPPED OR IF THE MAIN IS NOT REQUIRED, THE MAIN SHALL BE REMOVED IN ITS ENTIRETY.
 d. COORDINATE ALL DEMOLITION WITH ALL ARCHITECTURAL DOCUMENTS AND THE ARCHITECT AND THE TENANT'S GENERAL REQUIREMENTS.

7. ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND TENANT, WHERE AN EQUIPMENT MANUFACTURER SHALL HAVE A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC. ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE TENANT.
 2. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
 3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
 4. IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE TENANT FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DATE.

5. THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL.

a. SUBSTITUTIONS
 (1) THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EXACTLY AS INDICATED.
 (2) THE GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN WAS BASED. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, FEATURES, ETC. SUPPLIED WITH THE SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID.

b. IF THE GENERAL CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE TENANT SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS.
 (4) SUBSTITUTIONS AFTER CONTRACT AWARD SHALL NOT BE PERMITTED.

6. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

1. GENERAL CONTRACTOR SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION MECHANICAL, ELECTRICAL AND GENERAL TRADE WORK CURRENTLY EXISTING AND WORK WHICH MAY BE INSTALLED PRIOR TO CONTRACT AWARD. RELOCATION OF DUCTWORK, PIPING AND EQUIPMENT, AS REQUIRED, TO AVOID THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.

2. GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING SITE BEFORE STARTING ANY FABRICATION OR DOING ANY WORK IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECT AND PROPER MEASUREMENTS OF HIS WORK ALONG WITH RESOLUTIONS FOR ANY CONFLICT OF SPACE WITH OTHER TRADES.

3. WHERE THE WORK OF TWO OR MORE TRADES INTERFERE WITH EACH OTHER AND A DEVIATION FROM DESIGN IS NECESSARY, NEITHER WORK SHALL PROCEED UNTIL THE TENANT HAS BEEN NOTIFIED OF THE CONFLICT AND THEY HAVE RENDERED A DECISION AS TO WHAT CHANGES SHOULD BE MADE.

4. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.

5. IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AS SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE TENANT TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE WITH THE TENANT'S OPERATIONS.

6. AREAS TO BE USED FOR STORAGE SHALL BE ONLY AS DIRECTED BY THE TENANT. ALL STORED MATERIAL SHALL BE RELOCATED OR REMOVED FROM THE SITE AS DIRECTED BY THE TENANT.

7. DAILY, AND AT THE COMPLETION OF THE WORK, EACH GENERAL CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND DEBRIS CAUSED BY HIS WORK. UPON COMPLETION OF EACH GENERAL CONTRACTOR'S WORK, CONDITIONS OF THE SPACES SHALL BE THE SAME AS FOUND PRIOR TO COMMENCEMENT OF THE WORK. FAILURE TO DO SO MAY RESULT IN THE TENANT'S EMPLOYMENT OF A SEPARATE SERVICE TO OBTAIN THIS CONDITION AND REDUCING THE FACTOR'S CONTRACT AMOUNT BY THE COST OF SUCH A SERVICE.

8. EACH GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLIGENCE OF HIS OR HIS SUB-TRADE'S PERSONNEL. ALL PATCHING, REPAIRS AND REFINISHING AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE TENANT BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.

E. METHODS

1. EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. PIPING SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE PIPING. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE TENANT. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
 2. EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT OR DUCTWORK, ROOF DECK OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
 3. ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING SHALL BE PERFORMED BY THE LANDLORD'S ROOFING CONTRACTOR AT THE REQUESTING GENERAL CONTRACTOR'S COST.

II. INSULATION

A. GENERAL

1. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.
 2. CLEAN AND DRY SURFACES PRIOR TO INSULATING.
 3. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
 4. INSULATION JACKET AND FITTING COVER MUST BE PLENUM RATED.
 5. IT IS ESSENTIAL THAT THE INTEGRITY OF THE VAPOR BARRIER BE MAINTAINED. SEAL ALL PENETRATIONS OF THE VAPOR BARRIER BY STAPLES, HANGERS OR WHERE OTHERWISE DAMAGED.
 6. MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
 7. INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.
 8. ALL DUCTWORK AND PIPING SHALL BE INSULATED PER REQUIREMENTS OF ASHRAE 90.1, CHICAGO ENERGY CONSERVATION CODE, NFPA, AND LOCAL CODES. THE FIRST 18 FEET OF RETURN DUCTS SHALL BE INTERNALLY LINED FOR ACOUSTICAL ATTENUATION. OUTSIDE AIR DUCTWORK AND DUCTWORK IN UNCONDITIONED SPACES SHALL ALWAYS BE INSULATED WITH EXTERNAL INSULATION. PIPING SYSTEMS ALWAYS REQUIRING INSULATION INCLUDES, BUT IS NOT LIMITED TO, CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, AND STEAM. INTERNALLY INSULATED DUCTS SHALL HAVE 1/2 INCH THICK, 1-1/2 LB DENSITY ACOUSTICAL INSULATION (AIR SIDE BLACK COATED TO MEET NFPA). INSULATION SHALL BE INSTALLED PER THE REQUIREMENTS OF THE SMACNA GUIDE AND THE MANUFACTURER'S RECOMMENDATIONS. DUCT SIZES NOTED ON DRAWING ARE INSIDE CLEAR DIMENSIONS. INSULATION WRAP SHALL BE FIBERGLASS, FOIL BACKED WRAPPING. WHERE DUCTS OR PIPING IS EXPOSED, AND REQUIRES INSULATION, PROVIDE FIBERBOARD RIGID INSULATION AND PAINT. PAINT COLOR SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. LANDLORD, AND TENANT, WHERE DUCTS OR PIPES ARE OUTSIDE THE BUILDING, AN ALUMINUM JACKET SHALL BE PROVIDED AND INSTALLED OVER THE INSULATION, AND SEALED WEATHERTIGHT.

B. HVAC

1. INTERNALLY INSULATE WITH 1 INCH THICK, 1-1/2 LB DENSITY ACOUSTICAL INSULATION (AIR SIDE BLACK COATED TO MEET NFPA) ALL DUCTWORK NOTED AS REQUIRING SUCH. INTERNAL INSULATION SHALL BE INSTALLED PER THE REQUIREMENTS OF THE SMACNA GUIDE AND THE MANUFACTURER'S RECOMMENDATIONS. DUCT SIZES NOTED ON DRAWING ARE SHEET METAL DIMENSIONS.
 2. ALL SUPPLY AND OUTSIDE AIR DUCTWORK SHALL BE WRAPPED WITH 2 INCH OF 0.75 LB/CU FT. FIBERGLASS, FOIL BACKED DUCT WRAPPING.

C. PIPING

1. ALL ABOVE GROUND PIPING SHALL BE INSULATED WITH FIBERGLASS PIPING INSULATION WITH AN ALL SERVICE JACKET AND SELF SEALING LAP (ASJ/SSL).
 2. FITTINGS AND VALVES SHALL BE INSULATED WITH PRE-MOLDED FIBERGLASS FITTINGS AND COVERED WITH A PRE-FORMED PVC FITTING COVER.

IV. PIPING

A. GENERAL

1. THE ENTIRE PIPING INSTALLATION, MATERIALS, EQUIPMENT, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE LOCALLY ENFORCED BUILDING CODE, THE MECHANICAL CODE.
 2. TEST ALL PIPING IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
 3. FURNISH ACCESS DOORS FOR VALVES.
 4. THIS GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SERVICES FOR ALL EQUIPMENT WHETHER PROVIDED BY THIS GENERAL CONTRACTOR OR OTHERS. GENERAL CONTRACTOR SHALL COORDINATE HIS INSTALLATION WITH THE APPROPRIATE EQUIPMENT SUPPLIER AND SHALL REVISE THE DESIGN AS REQUIRED TO MATCH THE EQUIPMENT BEING SUPPLIED. THIS GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ALL EQUIPMENT TO THE PIPING SYSTEMS INCLUDING BUT NOT LIMITED TO, CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, STEAM, ETC.
 5. FIRE STOPPING - REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE AND UL CONSTRUCTION DESIGN NUMBER. FOR RATED MASONRY WALL AND FLOOR ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER C-AJ-175. FOR RATED GYPSUM BOARD ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER W-1-1003.

B. CONDENSATE DRAINS, CONDENSER WATER UP TO 2" ABOVE GRADE AND UNDER 125 PSIG

1. ASTM B88, TYPE L, HARD DRAWN COPPER PIPE; AND ASME B16.18, CAST BRASS, OR ASME B16.22, SOLDER WROUGHT COPPER FITTINGS.

V. HVAC EQUIPMENT

A. INSTALLATION OF ALL EQUIPMENT SHALL COMPLY WITH THE MANUFACTURER'S INSTALLATION INFORMATION AND INSTRUCTIONS, REQUIREMENTS AND ANY ADDITIONAL GUIDELINES. GENERAL CONTRACTOR SHALL PROVIDE ALL ADDITIONAL REQUIRED ACCESSORIES REQUIRED TO COMPLETE THE INSTALLATIONS.

B. HVAC EQUIPMENT SHALL BE "STARTED UP" BY A FACTORY TRAINED AND AUTHORIZED SERVICE TECHNICIAN. ALL FACTORY STARTUP FORMS, SHALL BE COMPLETED AND TURNED OVER TO THE TENANT WITH ALL COMPLETED WARRANTY CARDS PRIOR TO FINAL APPROVAL.

VI. AIR DISTRIBUTION

A. AIR DISTRIBUTION

1. DUCTWORK (ROUND OR RECTANGULAR OR SPIRAL) SHALL BE OF GALVANIZED STEEL CONSTRUCTION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA MANUAL AND THE FOLLOWING PRESSURE / SEAL SCHEDULE:
 a. DUCTWORK BETWEEN AHU (ROOFTOP UNIT) AND VAV BOXES - 3" W.G. POSITIVE PRESSURE, EA, CLASS A
 b. OTHER SUPPLY AIR DUCTWORK - 2" W.G. POSITIVE PRESSURE, SEAL CLASS B
 c. RETURN & EXHAUST DUCTWORK - 2" W.G. NEGATIVE PRESSURE, SEAL CLASS B
 2. ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS UNLESS CLEARANCE IS NOT AVAILABLE AT WHICH TIME MITERED ELBOWS WITH TURNING VANES SHALL BE UTILIZED.
 3. RECTANGULAR ELBOWS SHALL BE FURNISHED WITH DOUBLE THICKNESS TURNING VANES. TURNING VANES SHALL BE FASTENED WITH A DOUBLE ROW OF SCREWS.
 4. FLEXIBLE CONNECTIONS AT THE INLET AND OUTLET OF THE RTU. INSTALL FLEXIBLE CONNECTIONS WITH 2" WIDE DOUBLE NEOPRENE COATED FLAME RETARDANT, NFPA 90A APPROVED, FIBERGLASS FLEXIBLE CONNECTION. FLEXIBLE CONNECTION TO HAVE A MINIMUM OF 24 GAGE, 3" WIDE SHEET METAL COLLARS PERMANENTLY ATTACHED TO EACH SIDE.

5. MITERED OFFSETS GREATER THAN 30 DEGREES IN EITHER DIRECTION SHALL NOT BE PERMITTED.
 6. CHANGES IN DUCT SIZES SHALL BE MADE BY UNIFORM TAPER SECTION WITH A MAXIMUM INCLUDE ANGLE OF DIVERGENCE OF 15DEGREES.
 7. RECTANGULAR BALANCING DAMPERS - RUSKIN MD25 SHALL BE SINGLE BLADE UP TO 6" IN HEIGHT AND 36" IN WIDTH AND RUSKIN MD25 MULTI-BLADE FOR LARGER SIZES. ALL ROUND BALANCING DAMPERS SHALL BE COMMERCIAL GRADE SINGLE BLADE UP TO 16" IN DIAMETER. SHALL INCORPORATE LOCKING TYPE INDICATING ADJUSTMENT. BALANCING DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS OFF MAIN AND ON ALL TAPS OFF DUCTS TO DIFFUSERS UNLESS OTHERWISE NOTED ON DRAWINGS.
 8. FINAL CONNECTIONS TO DIFFUSERS MAY BE MADE WITH FLEXIBLE DUCTWORK BUT IT'S USE IS LIMITED TO STRAIGHT HORIZONTAL OR VERTICAL RUNS. ALL CHANGES OF DIRECTION IN A DUCT SYSTEM (GALVANIZED OR FLEXIBLE) SHALL BE MADE WITH AN APPROPRIATE GALVANIZED ELBOW. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT IS 5'-0".
 9. FLEXIBLE DUCTS TO DIFFUSERS SHALL BE ATCO RUBBER PRODUCTS, INC. MODEL UPC #070. INSULATED (R-4-2), UL-BI RATED AND CLASS 1 AIR CONNECTOR. MAXIMUM LENGTH OF FLEXIBLE DUCT TO DIFFUSER TO BE 5'-0".
 10. FIRE DAMPERS SHALL BE RUSKIN AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND SMACNA REQUIREMENTS FOR A U.L. APPROVED INSTALLATION. FIRE DAMPERS SHALL BE TYPE "B" (BLADES AND FRAME COMPLETELY OUT OF THE AIRSTREAM) FOR ALL WALL ASSEMBLIES AND SHALL BE INSTALLED WITH THE APPROPRIATE WALL SLEEVE AND ANGLES PER UL 555. FIRE DAMPERS SHALL BE INSTALLED IN ALL FIRE RATED WALLS. VERIFY FIRE RATED WALL LOCATIONS AND RATINGS ON THE ARCHITECTURAL DOCUMENTS. FOR ALL FLOOR PENETRATIONS PROVIDE RUSKIN TYPE "LR" FIRE DAMPERS. SEE DETAILS ON DRAWINGS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

11. DOUBLE THICKNESS INSULATED ACCESS DOORS SHALL BE PROVIDED AT ALL FIRE DAMPERS FOR ACCESS TO FURBLE LINK. DOOR SHALL BE SIZED TO ALLOW FOR EASY SERVICE AND ACCESSIBILITY. ACCESS DOORS SHALL BE A MINIMUM OF 24" IN THE LONGEST DIMENSION.
 12. PROVIDE 3"x3"x1/4" ANGLE FRAMING AROUND THE ROOF OPENINGS FOR THE SUPPLY AND RETURN AIR DUCTWORK.
 13. SUPPORT ALL SHEET METAL AND EQUIPMENT FROM ANGLE IRON. CONNECTED TO STRUCTURAL STEEL. DO NOT SUSPEND DUCT OR EQUIPMENT FROM METAL DECK OR JOIST BRIDGING.

VII. CONTROLS

A. CONTROL WIRING SHALL BE PLENUM RATED CABLE WITH COLOR CODED 18 AWG WIRES (MINIMUM).
 B. CONTROLS CONTRACTOR SHALL PROVIDE ALL WIRING BETWEEN THERMOSTAT AND EQUIPMENT (AIR HANDLER, ROOFTOP UNIT, CONDENSING UNIT, ETC.).

C. CONTROLS CONTRACTOR SHALL FURNISH AND INSTALL A 120 (24) VOLT SUPPLY AIR DUCT MOUNTED IONIZATION SMOKE DETECTOR. DETECTOR SHALL BE WIRED, BY THE ELECTRICAL (CONTROLS) CONTRACTOR, TO SHUT DOWN UNIT UPON ACTIVATION.

D. THERMOSTATS

1. FURNISH AND INSTALL A HONEYWELL 7 DAY PROGRAMMABLE HEATING/COOLING THERMOSTAT AND CLEAR LOCKABLE COVER WITH APPROPRIATE CONTROL WIRING BETWEEN THERMOSTAT, FURNACE AND CONDENSING UNIT (ROOFTOP) AS REQUIRED TO PROVIDE A COMPLETE OPERATING SYSTEM. WIRING SHALL BE MINIMUM 18 AWG.
 2. THERMOSTATS SHALL BE MOUNTED WHERE INDICATED ON THE DOCUMENTS.
 3. MECHANICAL CONTRACTOR SHALL PROGRAM THERMOSTAT PER THE TENANT'S REQUIREMENTS AND TRAIN TENANT'S PERSONNEL IN THE OPERATION AND PROGRAMMING OF THE THERMOSTAT AND SYSTEM.

VIII. TESTING AND BALANCING

A. TESTING AND BALANCING SHALL NOT BEGIN UNTIL THE SYSTEM HAS BEEN COMPLETED, IS IN FULL WORKING ORDER AND ALL EQUIPMENT START-UP HAS BEEN COMPLETED. ALL HVAC SYSTEMS AND EQUIPMENT SHALL BE PUT INTO FULL OPERATION AND THE OPERATION OF SAME CONTINUED DURING EACH WORKING DAY OF THE TESTING AND BALANCING.

B. AN INDEPENDENT "AABC" OR "NEBB" CERTIFIED AIR AND WATER BALANCE CONTRACTOR SHALL TEST AND BALANCE THE SYSTEM AND REPORT RESULTS TO THE ENGINEER TENANT AND THE LANDLORD.

1. ALL WORK SHALL BE DONE UNDER DIRECT SUPERVISION OF THE CERTIFIED BALANCING ENGINEER AND BY QUALIFIED BALANCING TECHNICIANS.
 2. METHODS AND FORMS SHALL BE IN ACCORDANCE WITH THE CERTIFICATION AGENCIES RECOMMENDATIONS AND REQUIREMENTS.
 3. COMPLY WITH ASHRAE RECOMMENDATIONS PERTAINING TO MEASUREMENTS, INSTRUMENTS, TESTING, ADJUSTING AND BALANCING.
 4. ALL QUANTITIES SHALL BE WITHIN 10% OF THE DESIGN VALUES.
 5. MECHANICAL CONTRACTOR SHALL PROVIDE ANY SHEAVE CHANGES REQUIRED ON THE HVAC UNIT.

C. PERFORMANCE TEST

1. AFTER ALL HVAC EQUIPMENT IS INSTALLED, TESTED AND BALANCED AS SPECIFIED HEREIN THEY SHALL BE OPERATED AND PLACED UNDER SURVEILLANCE FOR A PERIOD OF AT LEAST ONE (1) DAY. THIS MAY INCLUDE THE DAY OF STARTUP, TO VERIFY THAT ALL EQUIPMENT IS PRODUCING THE REQUIRED CAPACITY. THE HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR THE OPERATION OF THE EQUIPMENT DURING THE ENTIRE PERIOD.
 2. TEST SHALL BE PERFORMED WITH ALL CONTROLS IN THE AUTOMATIC POSITION AND BUILDING LIGHTS, DAMPERS, ETC. POSITIONED TO SIMULATE NORMAL OPERATION OF THE HVAC SYSTEM.
 3. DURING THE TEST, CONTROL SETTINGS MAY REQUIRE ADDITIONAL ADJUSTMENTS TO PRODUCE THE BEST BALANCED SYSTEM OPERATION. THEIR FINAL SETTING OF EACH OPERATING AND SAFETY CONTROL SHALL BE RECORDED. THEY SHALL INCLUDE, BUT NOT LIMITED TO, THERMOSTATS, LIMIT CONTROLS, AND OTHER SIMILAR ITEMS.
 4. SHOULD COMPLETION OF THE INSTALLATION OCCUR AT SUCH TIME THAT THE REQUIRED PERFORMANCE TEST MUST BE CONDUCTED DURING A SEASON WHEN THE FULL OPERATION OF EITHER THE HEATING OR COOLING SYSTEM CAN NOT BE CHECKED, THE TAB CONTRACTOR SHALL PERFORM THE TEST AND RECORD ALL SUCH DATA AS IS AVAILABLE WITH SYSTEM OPERATING AUTOMATICALLY UNDER THE PREVAILING WEATHER CONDITIONS. THAT PART OF THE SYSTEM WHICH CAN NOT BE TESTED SHALL BE DELAYED UNTIL THE WEATHER IS APPROPRIATE, AT WHICH TIME THE REMAINING PART OF THE REQUIRED TESTS SHALL BE CONDUCTED AND DATA RECORDED ACCORDINGLY.
 5. GC TO PROVIDE THE PROJECT MANAGER WITH A REPORT SHOWING ACCEPTABLE COMPLETION OF ALL MEKLIK FURNCLIST ITEMS PRIOR TO FINAL PAYMENT.

D. ACCEPTANCE AND CHECK-OUT - GENERAL CONTRACTOR SHALL PROVIDE QUALIFIED PERSONNEL, AT NO ADDITIONAL COST TO THE TENANT, AS MAY BE REQUIRED BY THE ENGINEER FOR THE PURPOSE OF VERIFYING PROPER OPERATION AND INSTALLATION OF THEIR WORK AT THE TIME OF REQUEST FOR ACCEPTANCE.

REPORTS TO INCLUDE THE FOLLOWING INFORMATION:

AIR TEMPERATURE OF RETURN AT UNIT, SUPPLY AT UNIT, SPACE TEMPERATURE OF OCCUPIED AREA, AIR TEMPERATURE AT SUPPLY DIFFUSERS (ALL OF THEM), AIR TEMPERATURE IN THE PLENUM, AND OUTSIDE AIR TEMPERATURE AT TIME OF BALANCING.

EQUIPMENT INFORMATION INCLUDING MANUFACTURER, MODEL, EXTERNAL STATIC PRESSURE ON THE MOTOR, RATED AMPS, USED AMPS, WHETHER THE SYSTEM AIR FLOW CAN BE ADJUSTED.

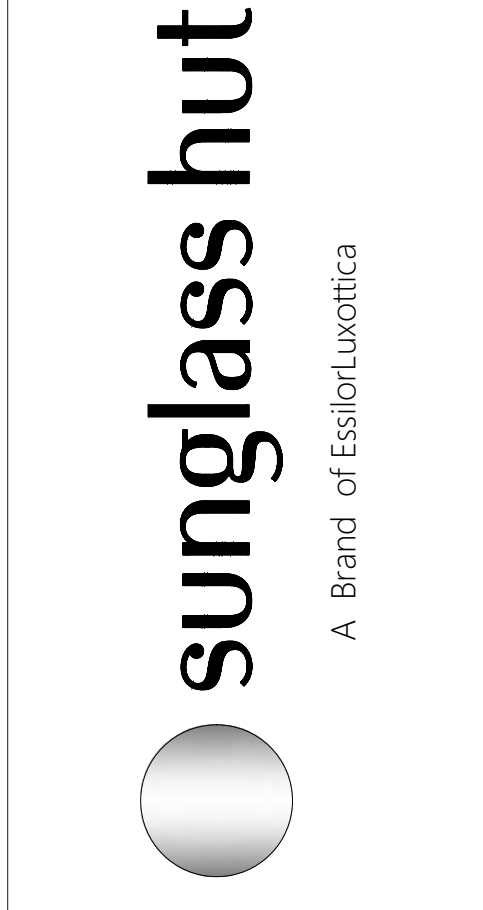
1	THERMOSTAT NOTES
THERMOSTAT PROCUREMENT INSTRUCTIONS	
THERMOSTAT: HONEYWELL TH8321R1001, AKA HONEYWELL VISION PRO WITH REDLINK THERMOSTAT, WI-FI CAPABLE WITH WIRED REMOTE SENSORS AS REQUIRED. WIRED SENSORS: BAPI BA20K-LPW-5. CONNECT TO THERMOSTAT WITH PLENUM-RATED CABLE AND PROGRAM EACH SENSOR TO THE THERMOSTAT WITH A UNIQUE NAME (IE BOB LAB, SALES FRONT), PAINT SENSOR TO MATCH THE MOUNTING SURFACE (MAXIMUM 2 COATS OF PAINT). REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ALL OTHER INSTALLATION REQUIREMENTS. PROCURE FROM HABEGGER CORP CONTACT INFO. CONTACT DOMINIC DIJULLO: CACORD1@HABEGGERCORP.COM: 513-612-4781	
THERMOSTAT INSTALLATION INSTRUCTIONS	
HVAC CONTRACTOR: 1. TAKE A PHOTO OF THE BACK OF EVERY T-STAT THAT IS INSTALLED, SHOWING THE MAC ADDRESS, CRC ID, AND 4 DIGIT PASSCOOE (DATE CODE), AND E-MAIL (WITH PROJECT MANAGER IN COPY) TO: WBALSAMO@LUXOTTICARETAIL.COM, COPYING BMULLEN@NEXTORERETAIL.COM. 2. WHEN INSTALLATION IS COMPLETED, EMAIL A LIST OF THE THERMOSTATS SHOWING THE AREA OF THE STORE WHERE EACH T-STAT IS INSTALLED, AND EACH T-STAT'S CRC ID AND 4 DIGIT DATE CODE. 3. A STICKER WITH THE CRC ID OF EACH T-STAT IS PACKED WITH THE T-STAT, AND IS TO BE PLACED ON THE BACK OF THE T-STAT, NOT ON THE FACEPLATE. E-MAIL THE T-STAT LIST AND THE PHOTOS TO WBALSAMO@LUXOTTICARETAIL.COM, COPYING BMULLEN@NEXTORERETAIL.COM, FOR EACH STORE ON ONE E-MAIL TO ALL. ONE PHOTO PER T-STAT IS REQUIRED. IT IS IMPORTANT TO PHOTOGRAPH THE BACK OF EACH T-STAT, SO THAT THE CRC ID, AND THE DATE CODE ARE READABLE.	
THERMOSTAT SET POINT INSTRUCTIONS	
FOR ALL LOCATIONS: FAN TO RUN CONTINUOUSLY DURING OCCUPIED PERIOD. OCCUPIED	
COOLING SET-POINT ALL AREAS = 72°F HEATING SET-POINT ALL AREAS = 68°F TIME PERIOD BEGINS 1 HOUR BEFORE STORE OPENS FOR BUSINESS OVERRIDE ADJUSTMENTS = +/-2°F FROM PROGRAMMED SET-POINTS OVERRIDE ADJUSTMENTS OF PROGRAMMED SET-POINT = 4 HRS.	
UNOCCUPIED	
COOLING SET-POINT, ALL AREAS = 80°F HEATING SET-POINT, ALL AREAS = 60°F TIME PERIOD BEGINS AT STORE CLOSING TIME OVERRIDE ADJUSTMENTS = +/-2°F FROM PROGRAMMED SET-POINTS OVERRIDE ADJUSTMENTS OF PROGRAMMED SET-POINT = 4 HRS.	
M010	MECHANICAL REQUIREMENTS FOR TEMPERATURE CONTROL - USING WIRED THERMOSTAT
1-LC09-M020-REV06	

DESIGN & CONSTRUCTION MANAGEMENT:

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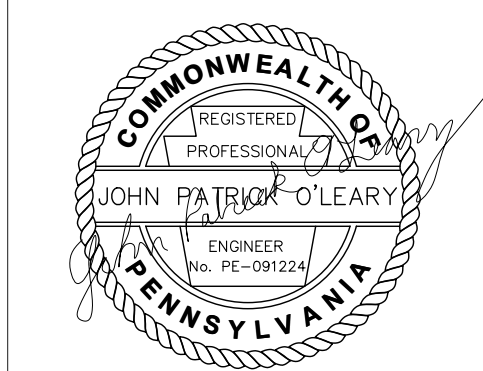
Revisions:

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Engineer of Record



Seal



Architect / Engineer Job No.:
 LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica
 Project Number 101228
 Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

MECHANICAL SPECIFICATIONS

Date 01/28/2026	Sheet No.:
Drawn By WNA	M020
Checked By JPO	

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.	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.
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.	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.
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.	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 AN APPROVED MANNER AS DIRECTED BY OWNER.
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.	J. TERMINATE DEMOLISHED SYSTEM SERVICES IN A CONCEALED LOCATION IN AN APPROVED MANNER. COORDINATE WITH NEW AND EXISTING CONSTRUCTION.
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.	K. FIELD VERIFY EXISTING PIPING LOCATIONS PRIOR TO WORK.
F. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL NOT USED WATER PIPING, WASTE AND VENT, DUCTWORK EQUIPMENT IN THE REMODEL AREA.	L. WHERE REQUIRED, COORDINATE EQUIPMENT ELECTRICAL TERMINATION REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

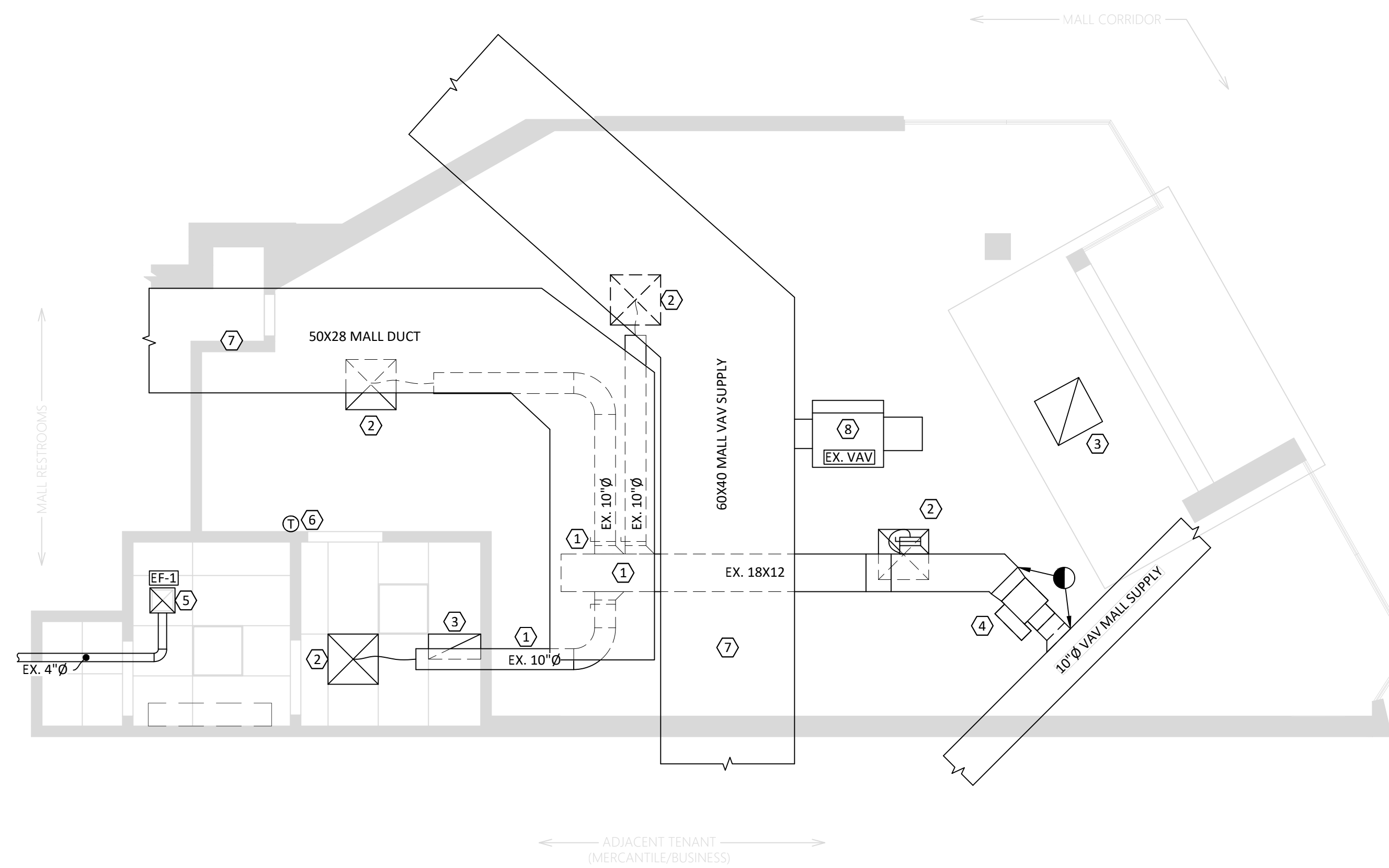
A-SGH-M100-REV01

B HVAC SYMBOLS	
	SUPPLY AIR DIFFUSER
	RETURN AIR OR EXHAUST GRILLE (SEE TAG)
	ROUND DUCTWORK
	RECTANGULAR DUCTWORK. SIZE IN INCHES. FIRST NUMBER IS SIDE SHOWN.
	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
	THERMOSTAT
	TEMPERATURE SENSOR
	DUCT SMOKE DETECTOR

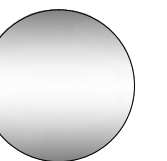
B-SGH-M100-REV01

C KEY NOTES - DEMOLITION	
1.	ALL EXISTING SUPPLY DUCTWORK IN THIS AREA TO REMAIN. DISCONNECT AND REMOVE EXISTING SUPPLY DIFFUSERS IN THIS AREA. REFURBISH DIFFUSER TO LIKE NEW CONDITION AND RE-INSTALL.
2.	DISCONNECT AND REMOVE EXISTING RETURN GRILLE IN THIS AREA. REFURBISH GRILLE TO LIKE NEW CONDITION AND RE-INSTALL.
3.	DISCONNECT AND REMOVE EXISTING VAV UNIT EX-VAV-1 AND ASSOCIATED COMPONENTS.
4.	REMOVE EXISTING EXHAUST FAN AND REFURBISH TO LIKE NEW CONDITION. REINSTALL.
5.	DISCONNECT AND REMOVE EXISTING THERMOSTAT.
6.	EXISTING LL DUCT TO REMAIN.
7.	EXISTING VAV TO REMAIN.
8.	EXISTING VAV TO REMAIN.

C-SGH-M100-REV01



1 MECHANICAL - HVAC DEMOLITION
SCALE: 1/4" = 1'-0"



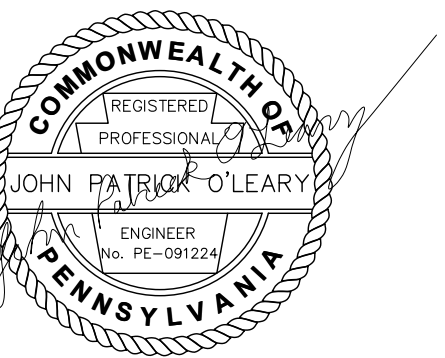
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PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica
Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
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 ADDENDUM

Sheet Name:

HVAC DEMOLITION PLAN

Date: 01/28/2026
Drawn By: WNA
Checked By: JPO

Sheet No.: M100

3 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.	K. BRANCH DUCTS SERVING DIFFUSERS SHALL BE SIZED TO MATCH DIFFUSER NECK SIZE INDICATED.
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.	L. ALL ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS.
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.	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.
D. G.C. SHALL BE RESPONSIBLE FOR ALL CUTTING/PATCHING RELATED TO THEIR WORK.	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.
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.	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.
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.	P. DUCTWORK SHALL NOT BE ROUTED OVER ELECTRIC PANELS AND TRANSFORMER.
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 NEXTORE REPRESENTATIVE.	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.
H. NO PVC PIPING ALLOWED IN PLENUM AREAS.	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.
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.	

4-LCM-H200-REV 0.0

2 KEY NOTES - MECHANICAL PLAN	
1. LOCATION OF FACTORY PROVIDED THERMOSTAT. INSTALL THERMOSTAT AT 44" AFF. VERIFY FINAL LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH IN. PROGRAM AS REQUIRED, SEE DETAIL M010 ON THIS SHEET. IF REQUIRED, HVAC CONTRACTOR TO HIRE LANDLORD'S REQUIRED CONTROLS CONTRACTOR.	
2. LOCATION OF WIRED TEMPERATURE SENSOR. MOUNT SENSOR AT 72" AFF. IF ADJACENT TO A LIGHT SWITCH, ALIGN THE SENSOR VERTICALLY WITH THE LIGHT SWITCH.	
3. INSTALL NEW VAV UNIT VAVH-1 IN LOCATION SHOWN.	
4. RE-INSTALL REFURBISHED EXHAUST FAN EF-1 IN LOCATION SHOWN. RECONNECT TO EXISTING 4" EXHAUST DUCT CONNECTION IN THIS AREA. FIELD VERIFY EXACT ROUTING AND CONNECTION.	
5. RE-INSTALL EXISTING REFURBISHED SUPPLY GRILLE.	
6. RE-INSTALL EXISTING REFURBISHED RETURN GRILLE.	
7. EXISTING MALL VAV UNIT TO REMAIN.	

3-SGH-M200-REV01

6 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

4 AIR BALANCE REPORTS	
G.C. RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM OWNER'S TAB VENDOR, MELINK.	
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.	

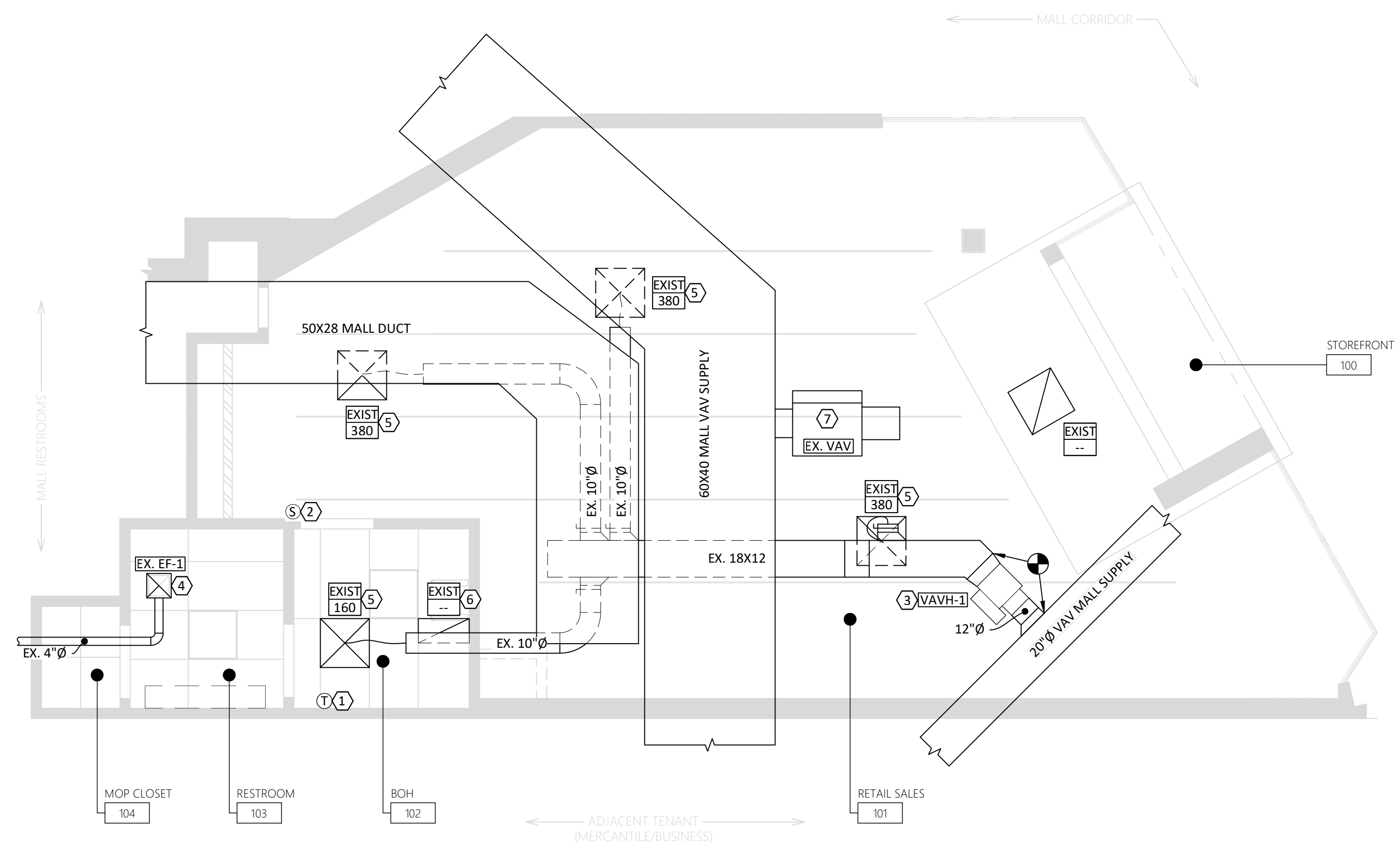
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5 FIRE STOPPING NOTE	
PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES ARE LOCATED IN A DEMISING WALL, OR OTHER FIRE WALL.	

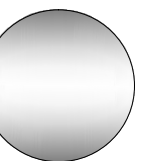
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1 HVAC SYMBOLS	
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	RETURN AIR OR EXHAUST GRILLE (SEE TAG)
	ROUND DUCTWORK
	RECTANGULAR DUCTWORK. SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
	DIFFUSER/GRILLE LABEL: A - TYPE/DESIGNATION B - AIRFLOW (CFM)
	POINT OF CONNECTION - NEW TO EXISTING
	POINT OF DISCONNECTION
	MANUAL VOLUME DAMPER
	SHEET KEYNOTE REFERENCE
	CEILING EXHAUST FAN
	THERMOSTAT
	TEMPERATURE SENSOR
	DUCT SMOKE DETECTOR

1-SGH-M200-REV01



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



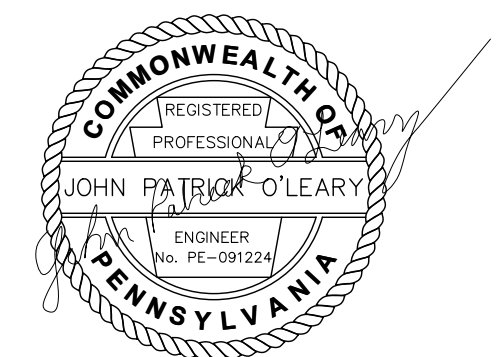
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PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.:
LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

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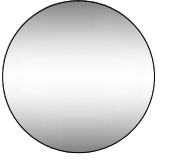
HVAC PLAN

Date 01/28/2026

Drawn By WNA

Checked By JPO

Sheet No.: M200



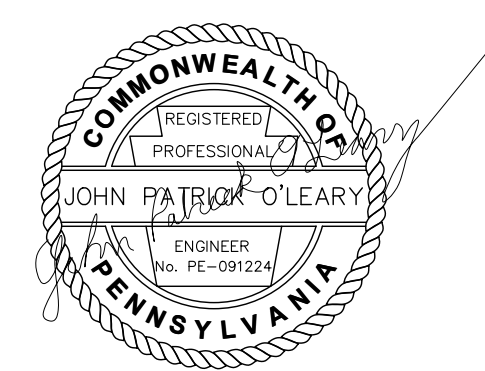
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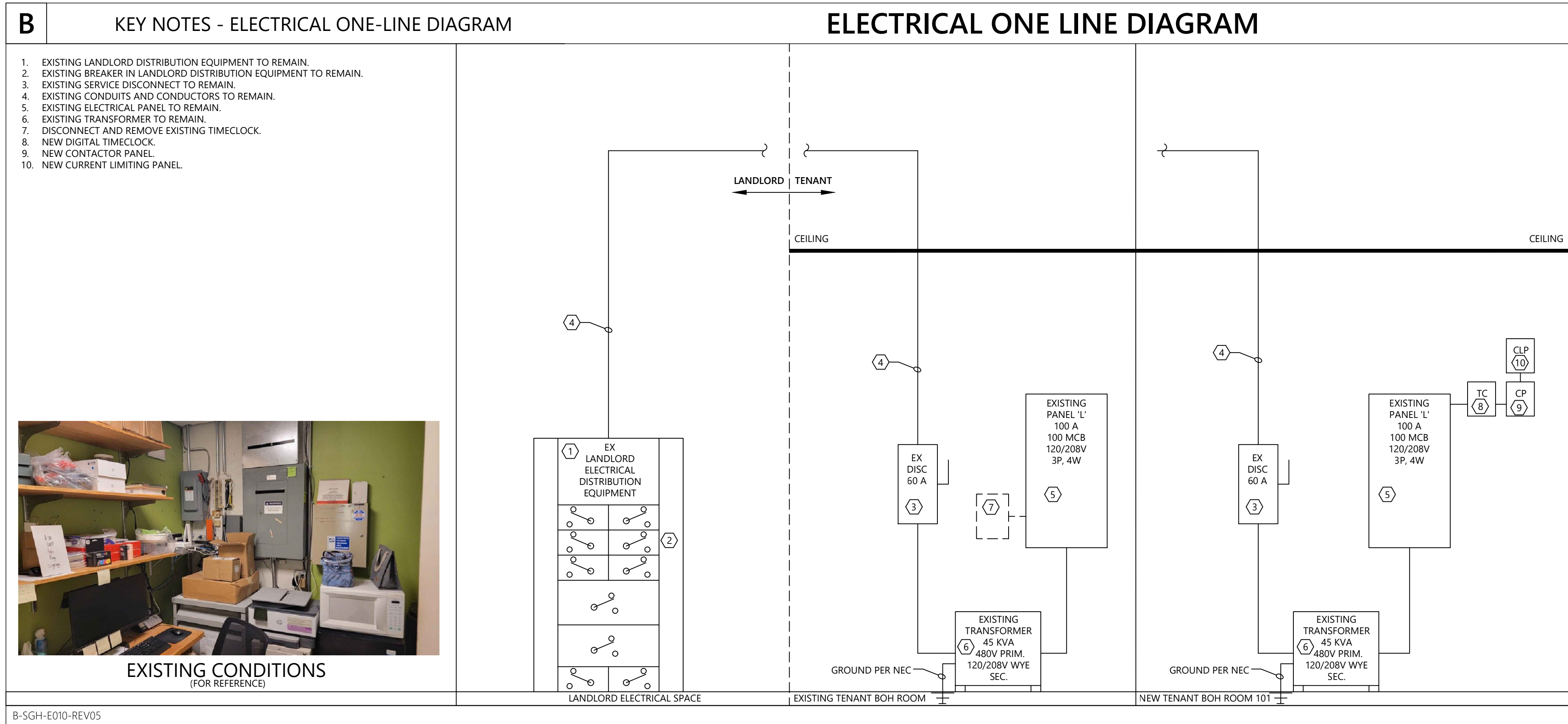
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ELECTRICAL PANEL SCHEDULE(S)

Date	01/28/2026	Sheet No.:	E010
Drawn By	WNA	Checked By	JPO



A FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THE GENERAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE GENERAL CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT GENERAL CONTRACTORS COST.

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

A-SGH-E010-REV01

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:

- AT THE START OF CONSTRUCTION THE GC IS TO CONTACT SCHNEIDER ELECTRIC AT: LUXOTTICA@SE.COM, CC'ING JASON WATKINS@SE.COM AND LEO GARCIA@SE.COM SO THAT SCHNEIDER MAY TRANSFER AND ESTABLISH THE UTILITY OVER TO ESSLOR LUXOTTICA. WHEN CONTACTING SCHNEIDER, THE GC SHALL CONVEY THE FOLLOWING INFORMATION:
 - STORE ADDRESS AND SPACE NUMBER.
 - EACH UTILITY COMPANY'S NAME AND PHONE NUMBERS FOR NATURAL GAS OR PROPANE, ELECTRIC, WATER, SEWER, AND WASTE.
 - THE METER AND SOCKET NUMBERS (WHICHEVER IS APPLICABLE), FOR EACH UTILITY ACCOUNT TO BE ESTABLISHED IN LUXOTTICA'S NAME.
 - A PHOTOGRAPH OF EACH METER, ITS METER NUMBER AND SERIAL NUMBER IS BEST, AND THEN E-MAILED TO SCHNEIDER: LUXOTTICA@SE.COM

FOR OPEN/CLOSE REQUESTS OUTSIDE OF THE STANDARD SOR PROCESS, AN EMAIL SHOULD BE SENT TO LUXOTTICA@SE.COM INCLUDE IN THE EMAIL:

- METER NUMBERS AND UTILITY NAMES FOR ALL REQUESTED SERVICES.
- SITE NAME, NUMBER AND ADDRESS.
- ACTION REQUESTED (OPEN ACCOUNT, CLOSE ACCOUNT, ETC.)

ONCE THE ABOVE INFORMATION IS PROVIDED, THE OPEN TEAM WILL:

- CONTACT THE UTILITY AND ESTABLISH NEW ACCOUNTS
- PAY DEPOSITS IF REQUIRED
- REQUEST APPLICATION SIGNATURE FROM BILL BALSAMO (IF REQUIRED)
- FOLLOW UP UNTIL THE FIRST INVOICE IS RECEIVED AT CASS.
- CONTACT THE PM IF ADDITIONAL INFORMATION IS NEEDED.

E017 UTILITY ACCOUNT TRANSFER/SET UP

E017-SGH-E010-REV05

ELECTRICAL LOAD SUMMARY 'L'			
LOAD DESCRIPTION	CONNECTED LOAD (KW)	DEMAND FACTOR	DEMAND FACTOR (KW)
LIGHTING	0.62	1.25	0.78
TRACK LIGHTING	1.68	CURRENT LIMITED *1.25	2.10
SHOW WINDOW RECEPTACLES	0.36	1	0.36
SIGNAGE	2.40	1.25	3.00
RECEPTACLES	6.18	<10k=100%; >10k=10k+50%>10k	8.09
EQUIPMENT	0.10	1	0.10
WATER HEATING	1.50	1.25	1.88
HVAC	3.00	1.25*(LARGEST MOTOR)+1*(REST OF HVAC LOAD)	4.25
TOTALS:	15,840		20.55
AMPS (208V)	44.0		AMPS (208V) 57.1

C **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 E010, E100, E200, E210) AND EXISTING AS-BUILT ELECTRICAL DRAWINGS FOR THE SPACE (PROVIDED BY LANDLORD/ARCHITECT), TO PROVIDE A BID BASED ON THE MATERIALS AND LABOR ASSOCIATED WITH THIS METHOD.

AS A SEPARATE LINE ITEM ON THE BID FORM THE GC SHALL ALSO FORMULATE AN ALTERNATE BID BASED ON THE USE OF NEW WIRING FOR THE UNKNOWN CIRCUITS IN THE SPACE. THIS BID SHALL ALSO INCLUDE ALL MATERIALS AND LABOR ASSOCIATED WITH THIS ALTERNATE METHOD.

C-SGH-E010-REV01

D FIRESTOP SCHEDULE - ELECTRICAL

TYPE OF PENETRANT	F-RATING (HR)	CONCRETE FLOOR	CONCRETE OR BLOCK WALLS	GYPSUM WALLS	WOOD FLOORS	BASIS OF DESIGN HILTI PRODUCTS
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, 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-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-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-3006	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-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	-	
CABLE TRAY	1	C-AJ-4034, C-AJ-4035	C-AJ-4034, C-AJ-4035, W-J-4027	W-L-4011, W-L-4019, W-L-4081	-	CFS-BL, CFS-COS, CP 617, CP 618, CP 619 T, CP 620, CP 660, FS-ONE MAX
	2	C-AJ-4034, C-AJ-4035, C-AJ-4107	C-AJ-4034, C-AJ-4035, W-J-4027	W-L-4011, W-L-4019, W-L-4081	-	
	3	C-AJ-4034, C-AJ-4035, C-AJ-4107	C-AJ-4034, C-AJ-4035	W-L-8014	-	
	4	C-AJ-4107	C-AJ-4107, W-J-4060, W-J-8007	W-L-8014	-	
ELECTRICAL BUSWAY	1	C-AJ-6006, C-AJ-6017, C-AJ-6036, F-A-6002	C-AJ-6006, C-AJ-6017, C-AJ-6036	W-L-6019	-	CFS-BL, CFS-S SIL GG, CFS-S SIL SL, CP 618, CP 620, CP 637, CP 660, FS-ONE MAX, MINERAL WOOL
	2	C-AJ-6006, C-AJ-6017, C-AJ-6036, F-A-6002	C-AJ-6006, C-AJ-6017, C-AJ-6036	W-L-6019	-	
	3	C-AJ-6006, C-AJ-6017	C-AJ-6006, C-AJ-6017	-	-	

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 AVAILABLE FOR INSPECTION BY AHJ AND/OR ENGINEER.
10. ALL NON METALLIC PIPE OR CONDUIT PENETRATIONS ARE APPROVED FOR USE ONLY IN UNITED STATES.

D-SGH-E010-REV01

Panel Name: L

Voltage: 120/208
Amps: 100
MCB: 100 Main Circuit breaker amps

Panel Type: PANELBOARD
AIC Rating: 10K

NOTE: **INDICATED A GFCI TYPE CIRCUIT BREAKER

WATTS PER PHASE			DESCRIPTION OF LOAD	OCPD	CKTH	CKTR	OCPD	DESCRIPTION OF LOAD	WATTS PER PHASE		
A	B	C							A	B	C
			MAIN	100/3	1	2	20/1	STOREFRONT EXTERIOR SIGANGE	1200		
			ENTRY WAY LIGHTS	20/1	9	10	20/1	SHOW WINDOW RECEPTACLES		360	
			202 STOREFRONT RECESSED LIGHTS	20/1	11	12	20/1	STOREFRONT EXTERIOR SIGANGE			1200
			SALES AREA TRACK LIGHTS	20/1	13	14	20/1	RESTROOM RECEPTACLE	180		
			SALES AREA TRACK LIGHTS	20/1	15	16	20/1	CASH DESK RECEPTACLES		720	
			120 BOH/ RESTROOM LIGHTS	20/1	17	18	20/1	CASH DESK RECEPTACLES			720
			SPARE	20/1	19	20	20/1	TECH RACK	360		
			SPARE	20/1	21	22	20/1	TECH RACK		360	
			SPARE	20/1	23	24	20/1	TECH RACK			360
			SPARE	20/1	25	26	20/1	TECH RACK	360		
			1500 VAVH-1	20/2	27	28	20/1	WATER HEATER		1500	
			1500	20/2	29	30	20/1	SPARE			
1060	2518	1822	Totals					Totals	3300	3660	3480

Load Characteristics:
Total Load, Phase A: 4360 Amps per Phase A: 36
Total Load, Phase B: 6178 Amps per Phase B: 51
Total Load, Phase C: 5302 Amps per Phase C: 44
Total Panel Load: 15840 Total Amps (assumes balanced): 44

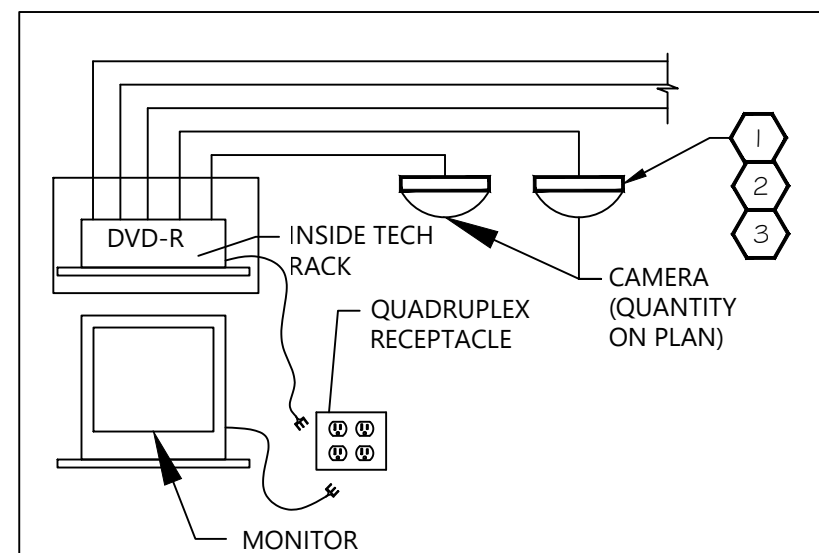
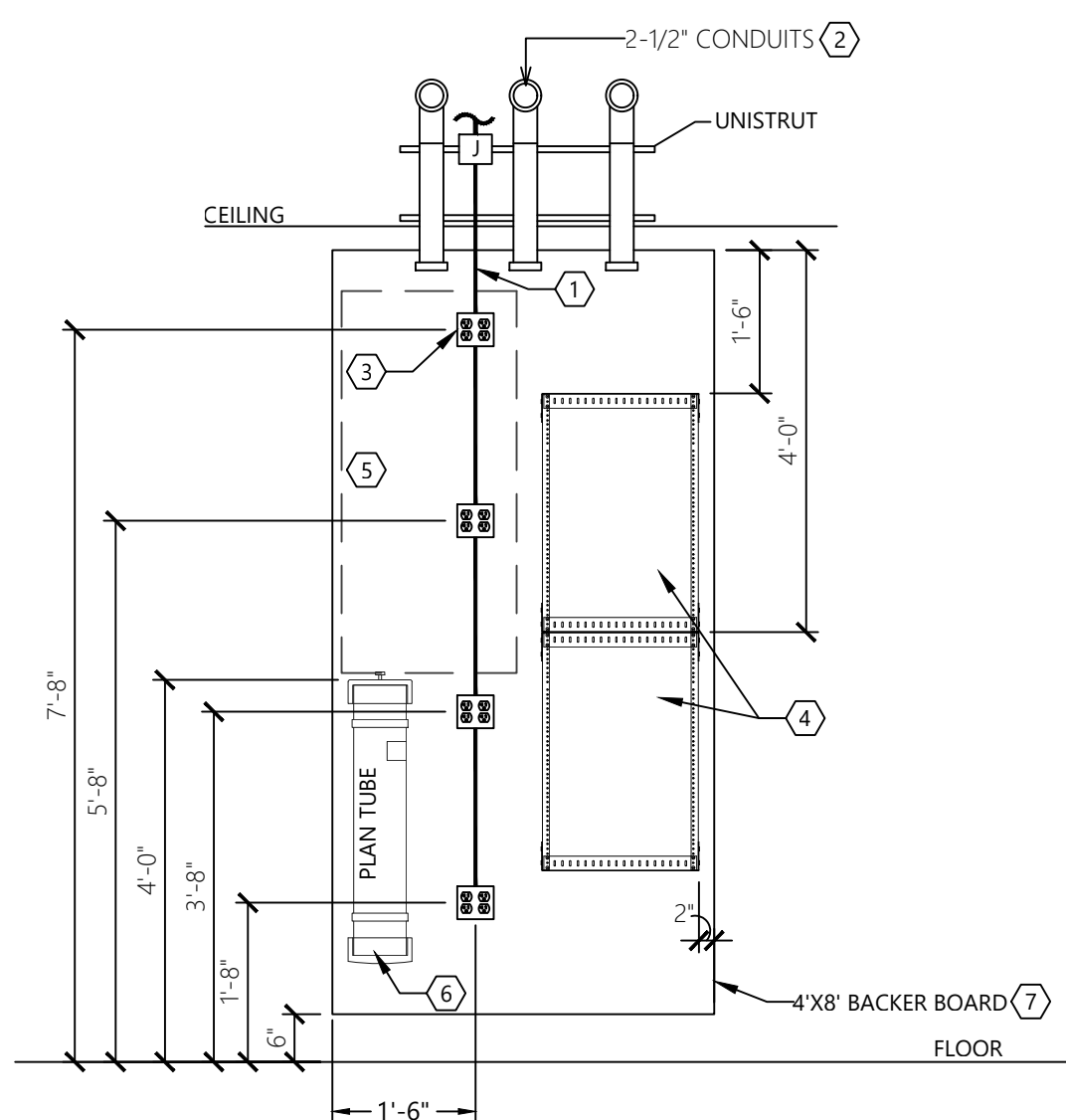
A

TECH RACK DETAIL

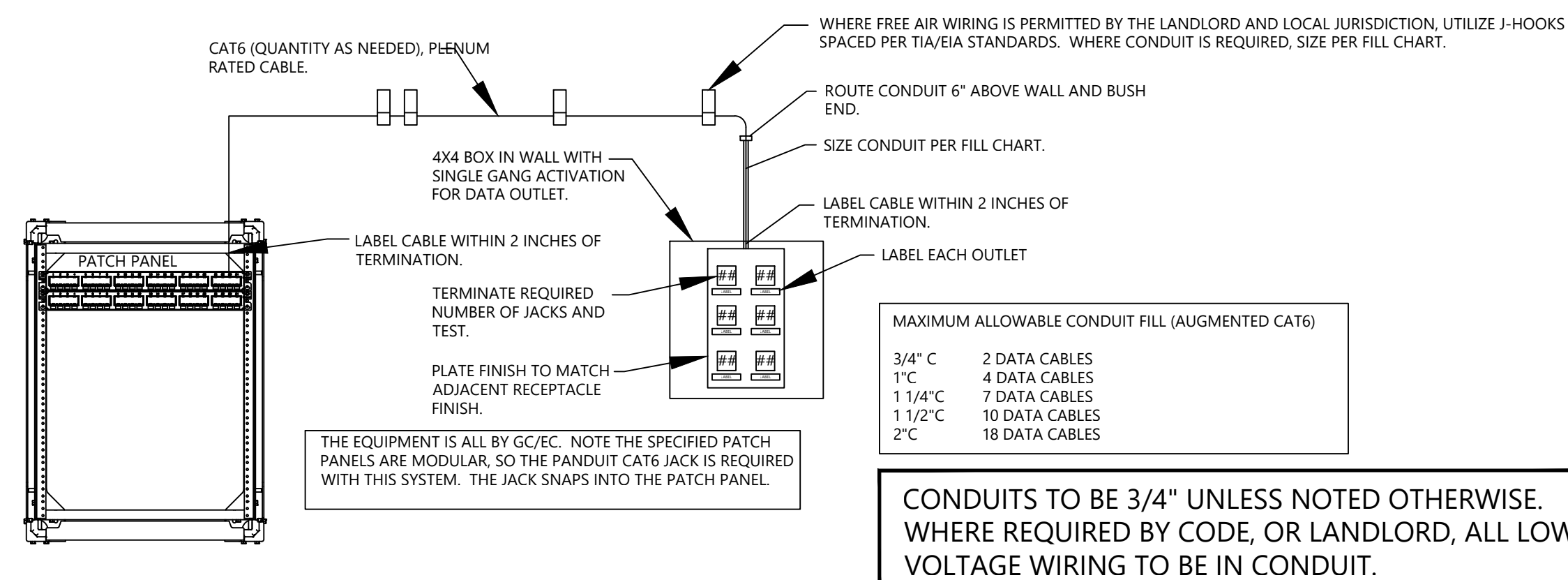
DETAIL NOTES

- 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.
- 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.
- SURFACE MOUNT QUAD OUTLET WITH DEDICATED 20A CIRCUIT AND DEVICES. PROVIDE 1 INCH CONDUIT FROM ABOVE CEILING TO DEVICE LOCATIONS, TO BE USED FOR VOICE/DATA/SECURITY EQUIPMENT. NOTE THE CONDUITS, BOXES AND OUTLETS ARE TO BE INSTALLED AFTER THE CABINET BACKPAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT.
- RACKS PROVIDED BY ELECTRICAL CONTRACTOR TO BE AS SPECIFIED IN THE RESPONSIBILITY SCHEDULE. INSTALL RACKS AT 11'-6" AND 4'-0" FROM TOP OF BOARD, AND 2 INCHES FROM THE RIGHT EDGE OF THE BOARD. USE 2 INCH X 1/4 INCH LAG BOLTS IN PROPER KEYHOLE MOUNTS WITH WASHER.
- DEMARC AREA FOR TELCO AND BROADBAND PROVIDERS. RESERVED TOP OF BOARD AREA 22 INCHES BY 48 INCHES.
- 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 BY THE PROJECT MANAGER. SEE DETAIL 13 ON SHEET A411 FOR MORE INFORMATION.
- MOUNT 4FT X 8FT HIGH, 3/4" THICK VOID-FREE, FIRE RATED PLYWOOD AT 6 INCHES ABOVE FINISHED FLOOR. PAINT TO MATCH WALL BUT DO NOT PAINT OVER FIRE RATED LABELING ON THE PLYWOOD FOR INSPECTOR TO VERIFY PLYWOOD IS RATED. IF FIRE RATED PLYWOOD IS NOT AVAILABLE, PAINT WITH 2 COATS OF WHITE, FIRE RATED PAINT AND RETAIN PAINT INFORMATION FOR FIRE INSPECTION.

PLAN VIEW



- EXTEND CABLE TO PROPOSED HEAD END EQUIPMENT LOCATION, AND TERMINATE IN PATCH PANEL.
- FOR CAMERAS, PROVIDE WHITE PLENUM RATED CAT 6 CABLING. COIL 15' OF CABLING AT EACH CAMERA LOCATION FOR CONNECTIONS.
- PROVIDE RJ-45 CONNECTORS AT CAMERA LOCATIONS ONLY. CONNECTORS NOT NEEDED AT THE HEAD END EQUIPMENT LOCATION.



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	POS STATION #2 - CASH DESK	13	PPA13	SALES FIXT. DIG DISPLAY #1	19	PPA19	SPACE FOR FUTURE
2	PPA2	POS STATION #1 - CASH DESK	8	PPA8	POS STATION #2 - CASH DESK	14	PPA14	SALES FIXT. DIG DISPLAY #1	20	PPA20	SPACE FOR FUTURE
3	PPA3	POS STATION #1 - CASH DESK	9	PPA9	POS STATION #2 - CASH DESK	15	PPA15	SALES FIXT. DIG DISPLAY #2	21	PPA21	SPACE FOR FUTURE
4	PPA4	POS STATION #1 - CASH DESK	10	PPA10	POS STATION #2 - CASH DESK	16	PPA16	SALES FIXT. DIG DISPLAY #2	22	PPA22	SPACE FOR FUTURE
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.

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

POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION	POS	LABEL	DESCRIPTION
1	PPB1	SURVEILLANCE CAMERA	7	PPB7	SPACE FOR FUTURE	13	PPB13	SPACE FOR FUTURE	19	PPB19	SPACE FOR FUTURE
2	PPB2	SURVEILLANCE CAMERA	8	PPB8	SPACE FOR FUTURE	14	PPB14	SPACE FOR FUTURE	20	PPB20	SPACE FOR FUTURE
3	PPB3	SURVEILLANCE CAMERA	9	PPB9	SPACE FOR FUTURE	15	PPB15	SPACE FOR FUTURE	21	PPB21	SPACE FOR FUTURE
4	PPB4	SURVEILLANCE CAMERA	10	PPB10	SPACE FOR FUTURE	16	PPB16	SPACE FOR FUTURE	22	PPB22	SPACE FOR FUTURE
5	PPB5	SPACE FOR FUTURE	11	PPB11	SPACE FOR FUTURE	17	PPB17	SPACE FOR FUTURE	23	PPB23	SPACE FOR FUTURE
6	PPB6	SPACE FOR FUTURE	12	PPB12	SPACE FOR FUTURE	18	PPB18	SPACE FOR FUTURE	24	PPB24	SPACE FOR FUTURE

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-SGH-E011-REV02

1 **FIXTURE DETAIL**

DIG-0019L-00

DIG-0019P-00 BACKWRAP MONITOR

1-E011-REV07

2 **FIXTURE DETAIL**

SGH06-FLEL-WW-18 STOREFRONT SIGN

2-E011-REV07

3 **FIXTURE DETAIL**

DIG-0016P-00-LOC1

DIG-0016P-00-LOC1 DIGITAL MONITOR

3-E011-REV07

4 **FIXTURE DETAIL**

SGH06-FLEL-WW-20 STOREFRONT SIGN

4-E011-REV07

5 **FIXTURE DETAIL**

DIG-0009P-02-LOC2

DIG-0009P-02-LOC2 DIGITAL MONITOR

4-SGH-E011-REV02

DESIGN & CONSTRUCTION MANAGEMENT:

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

STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:



A Brand of EssilorLuxottica

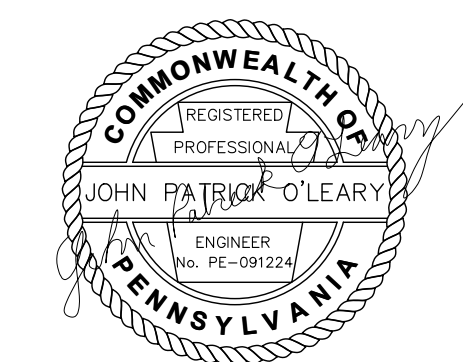
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PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number 101228

Brand Design Type: SGH

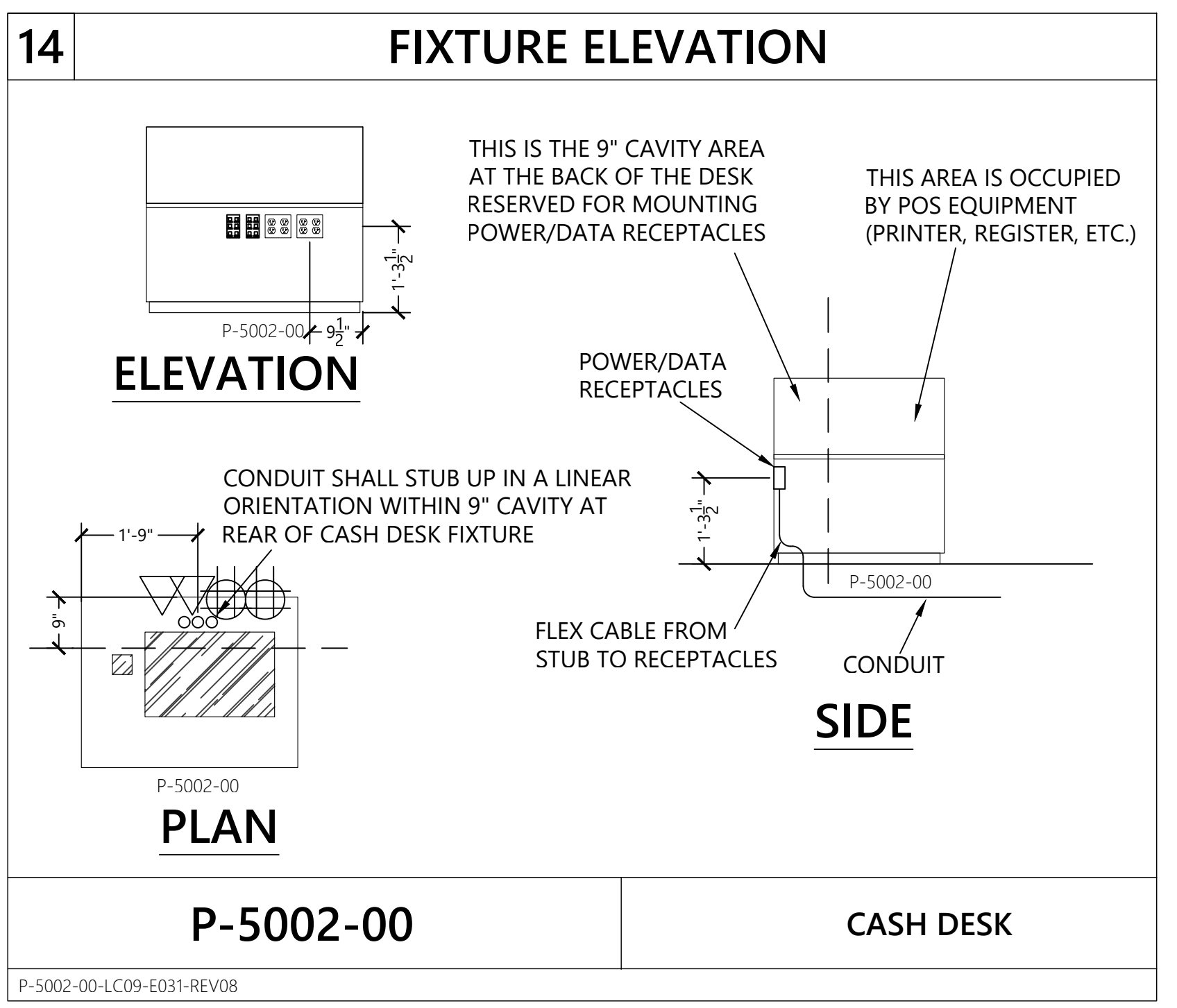
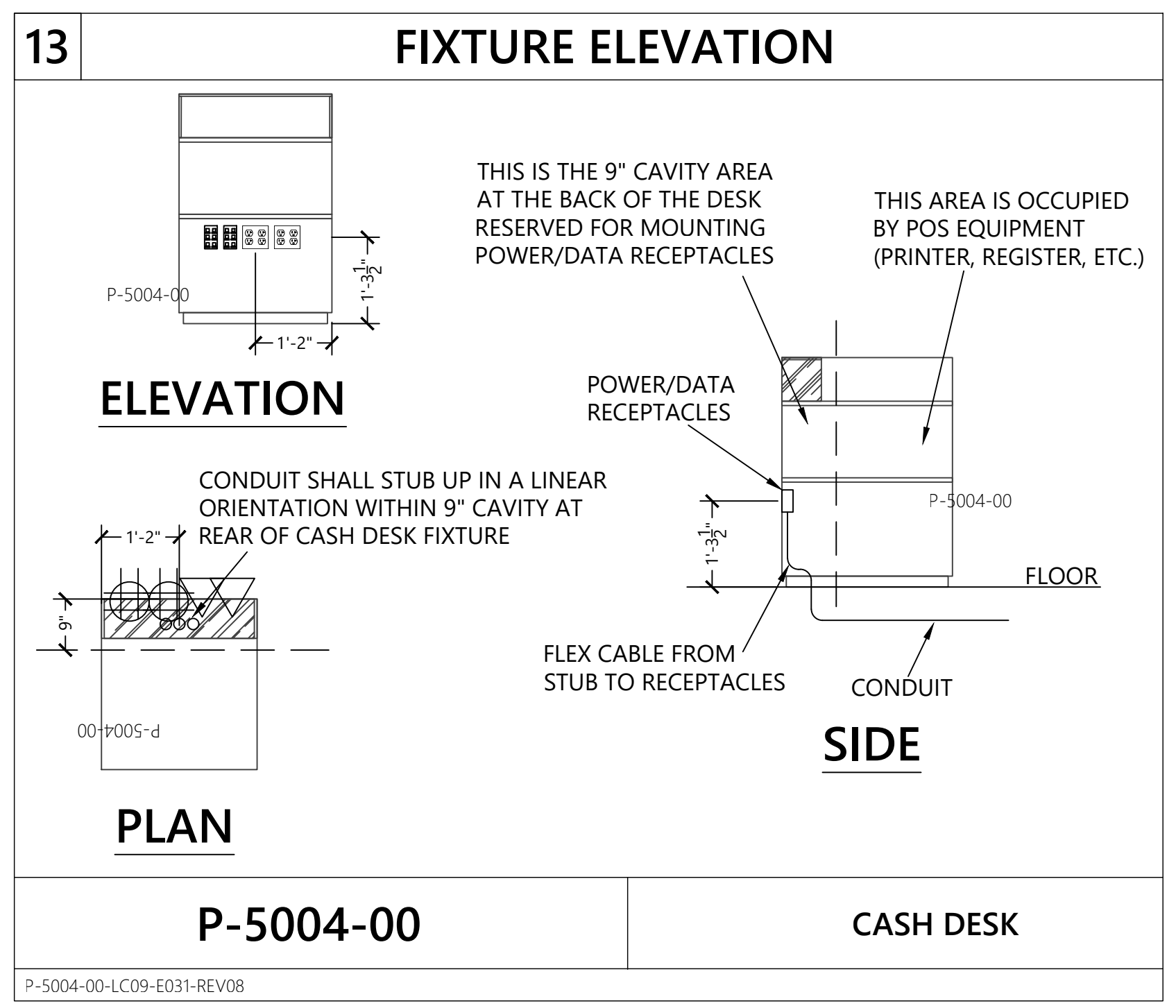
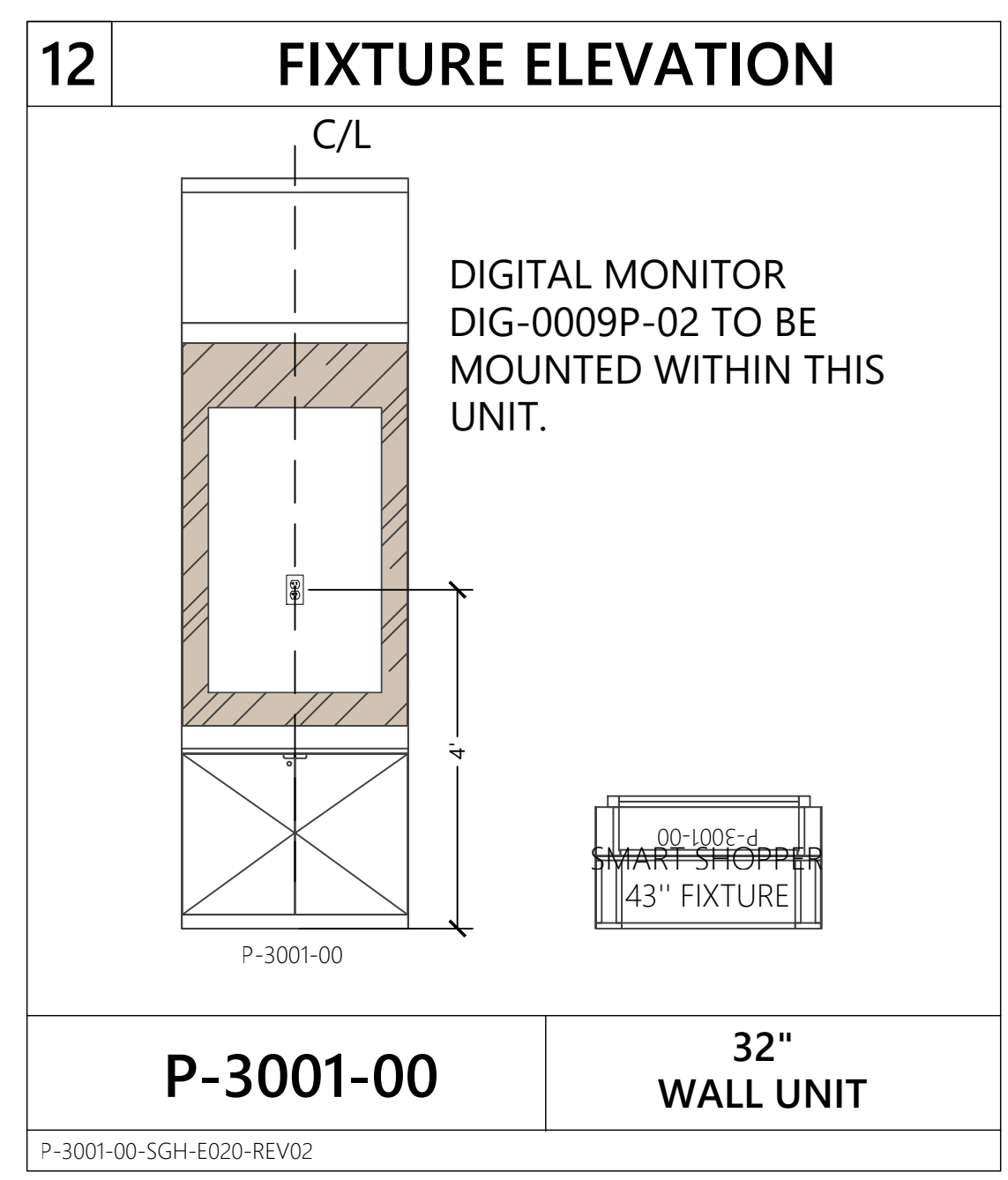
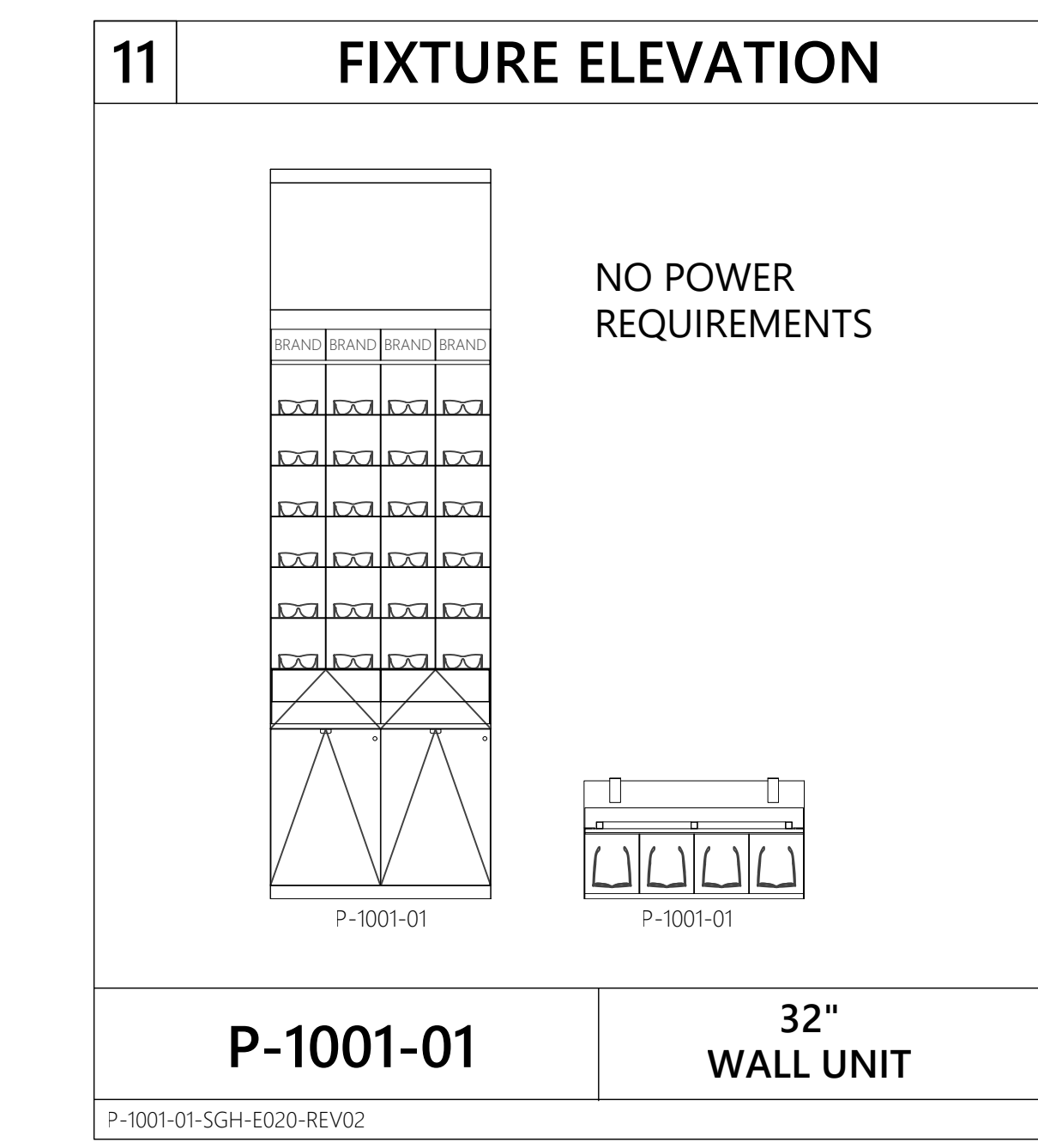
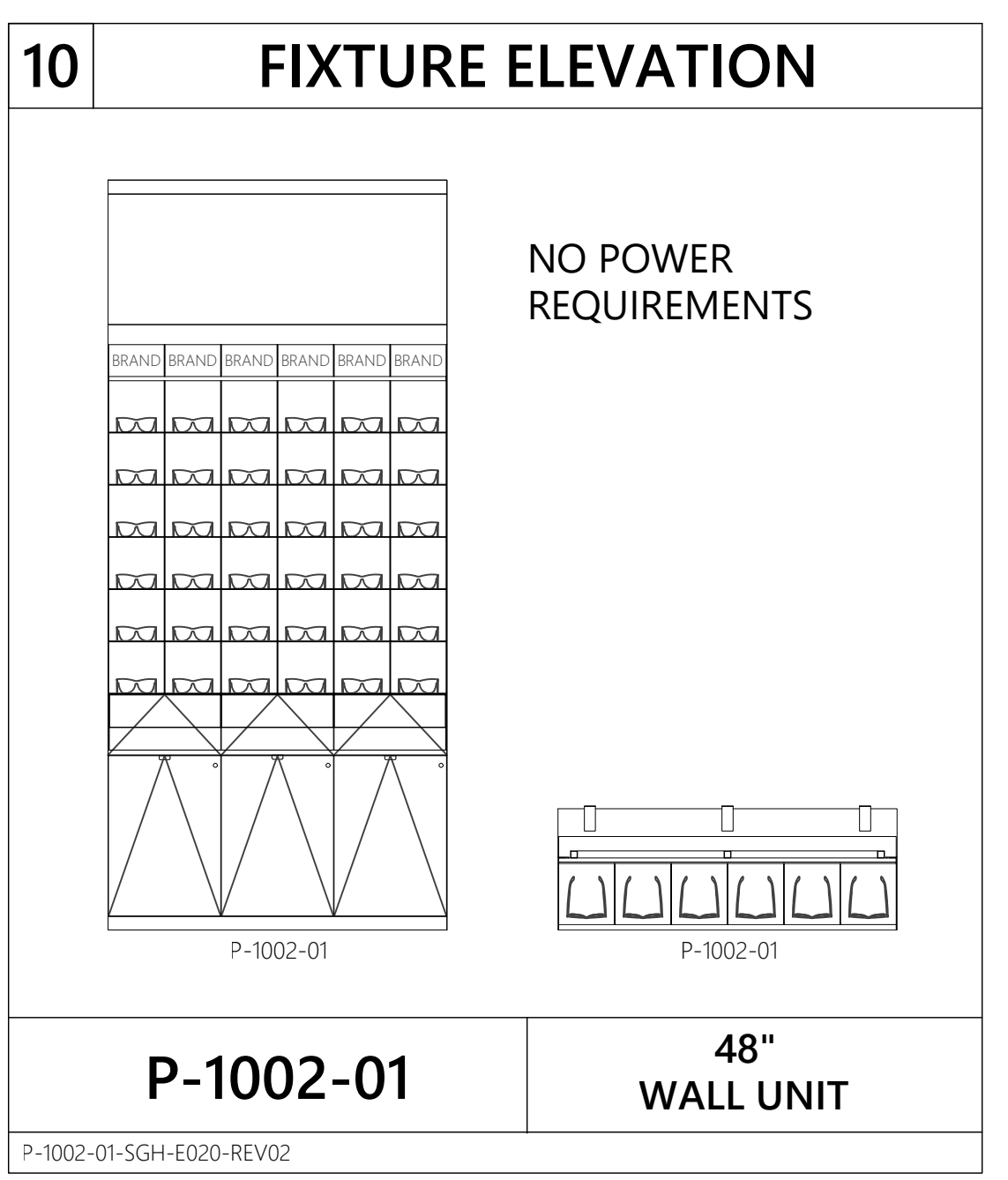
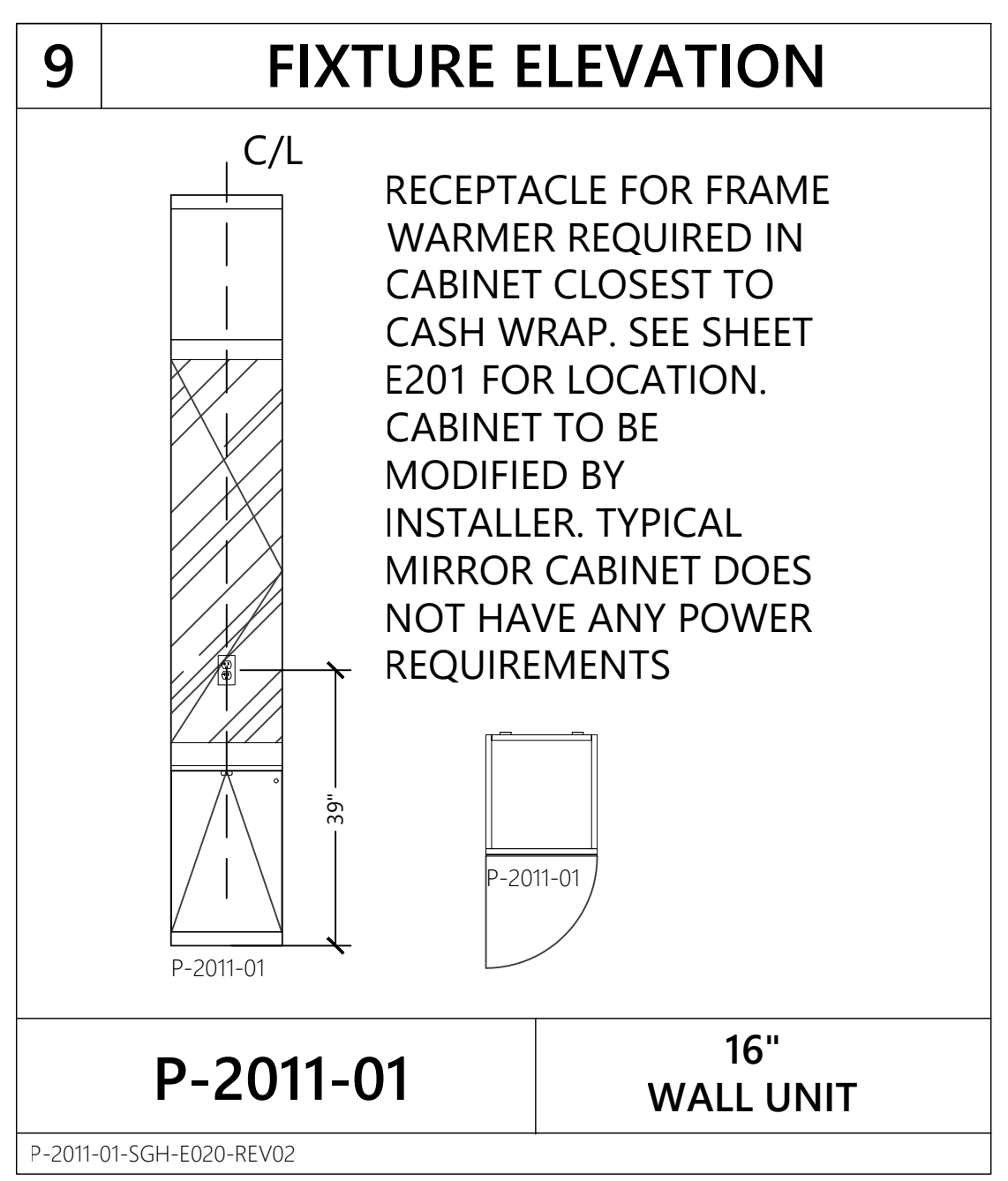
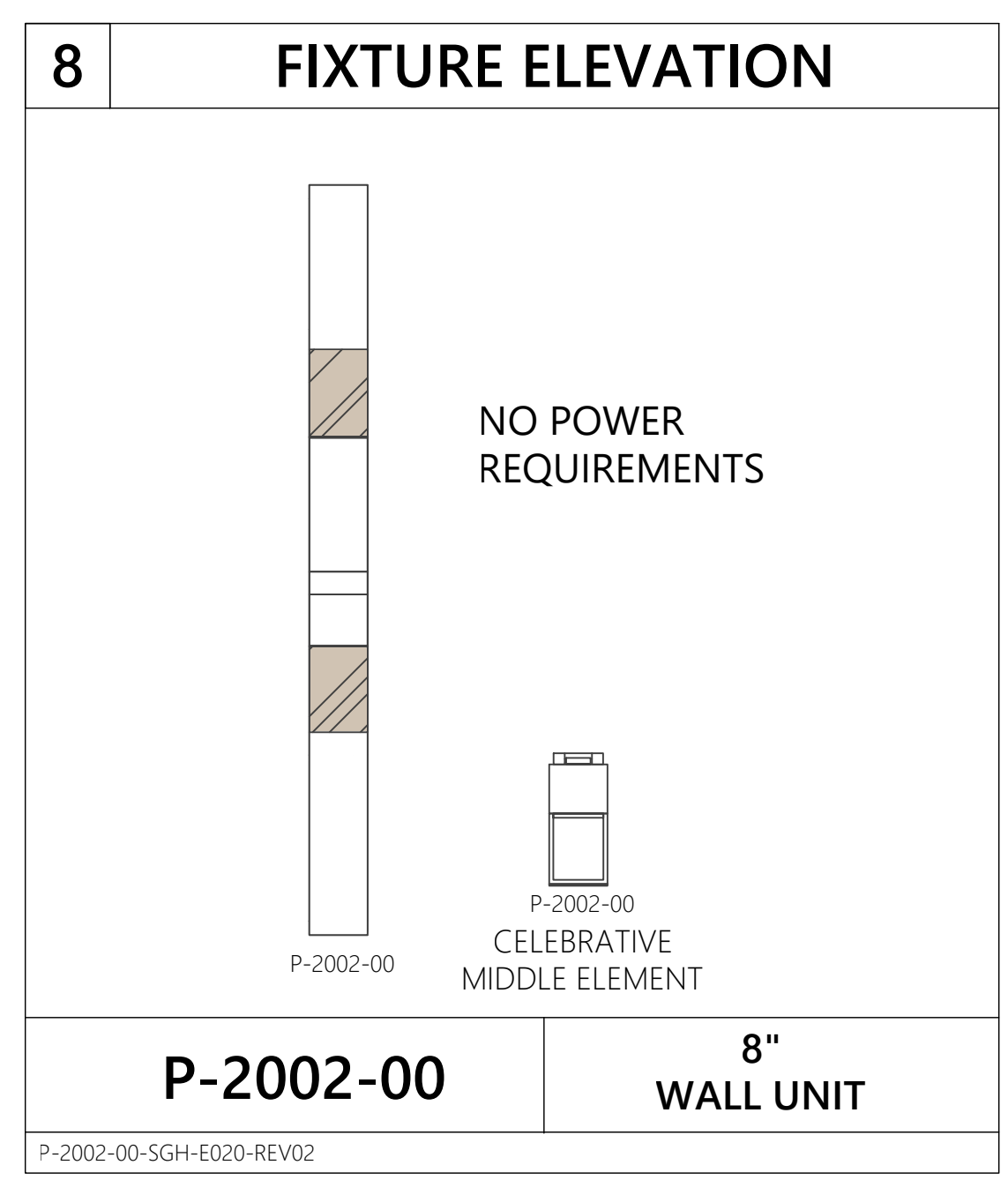
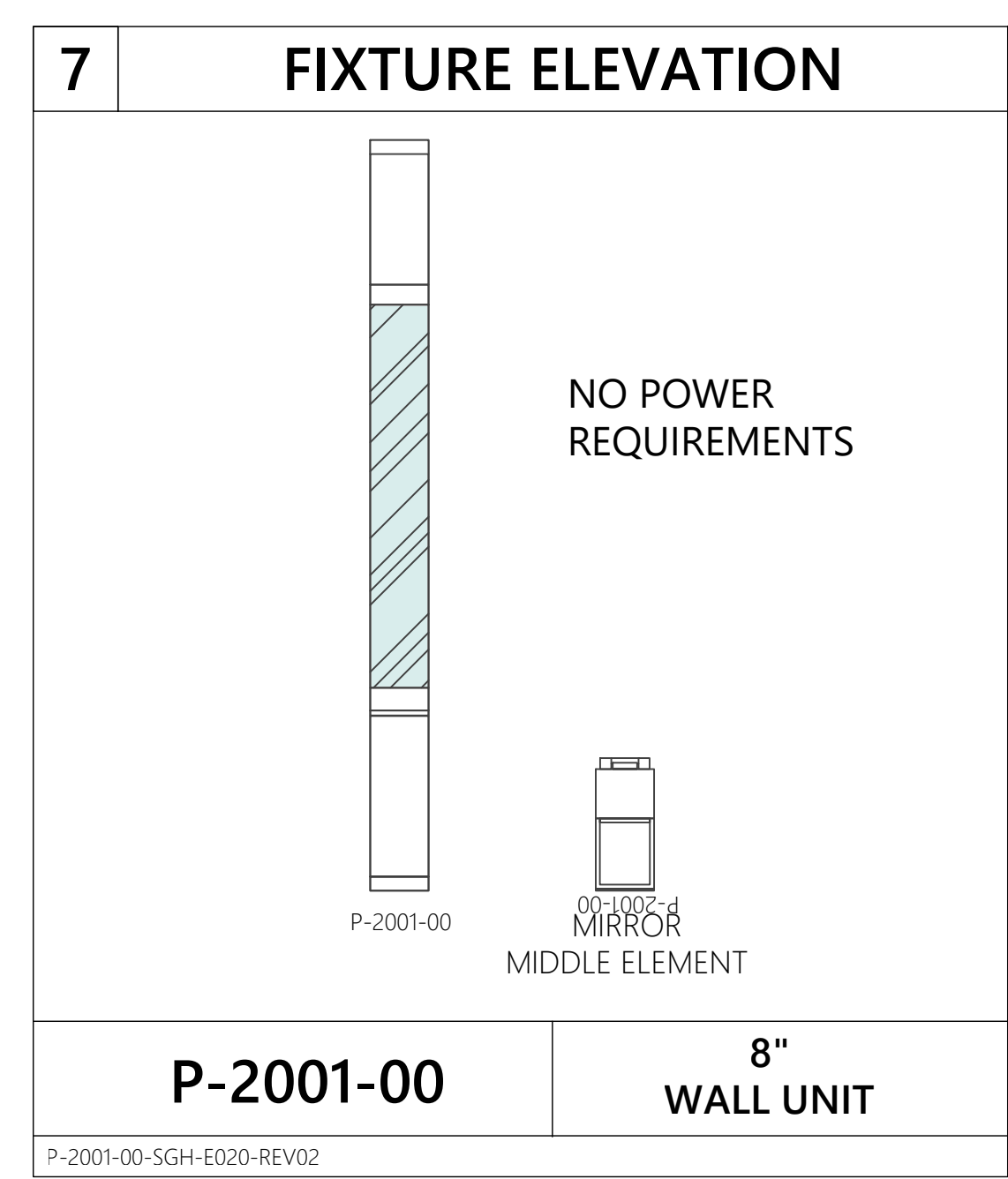
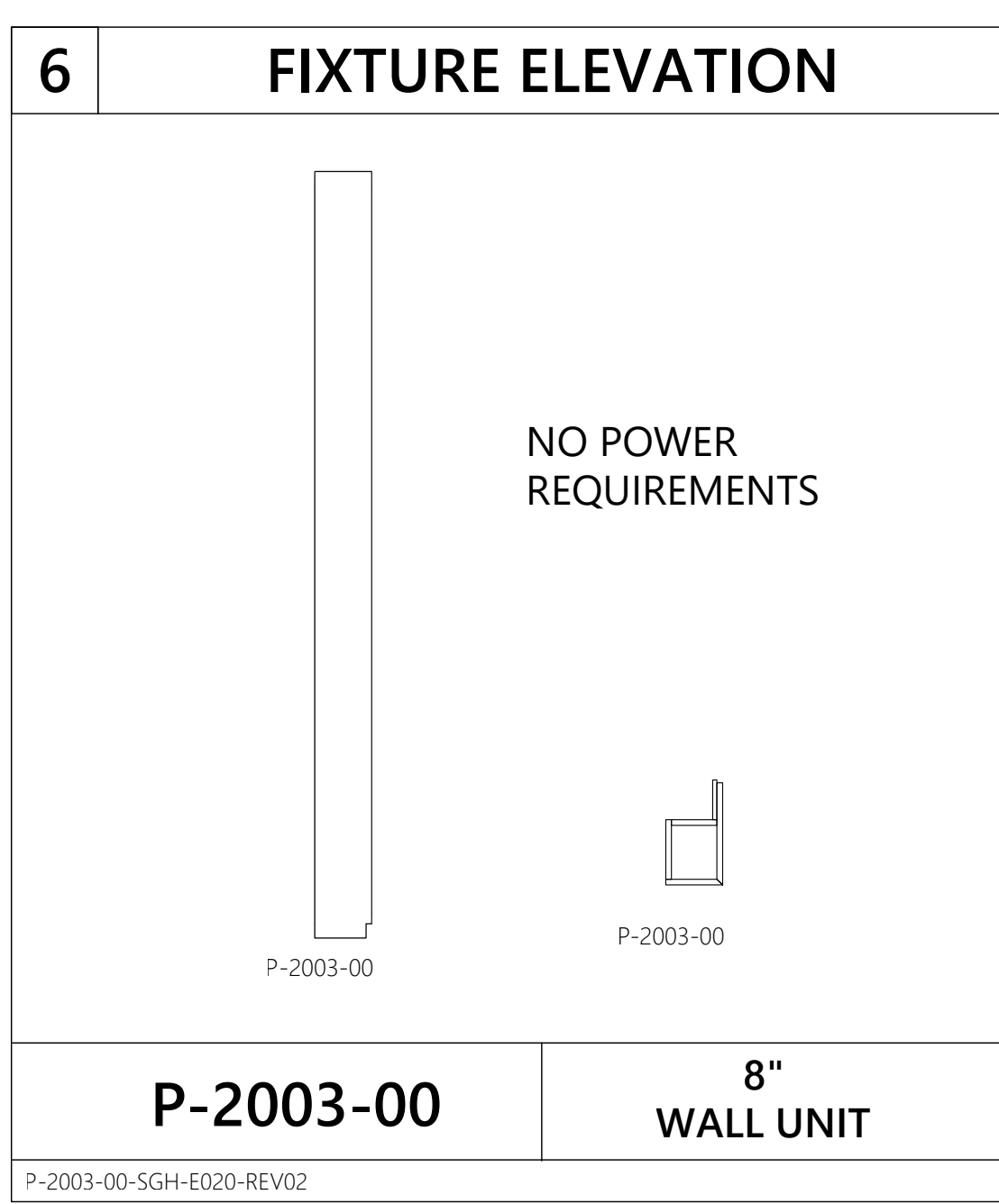
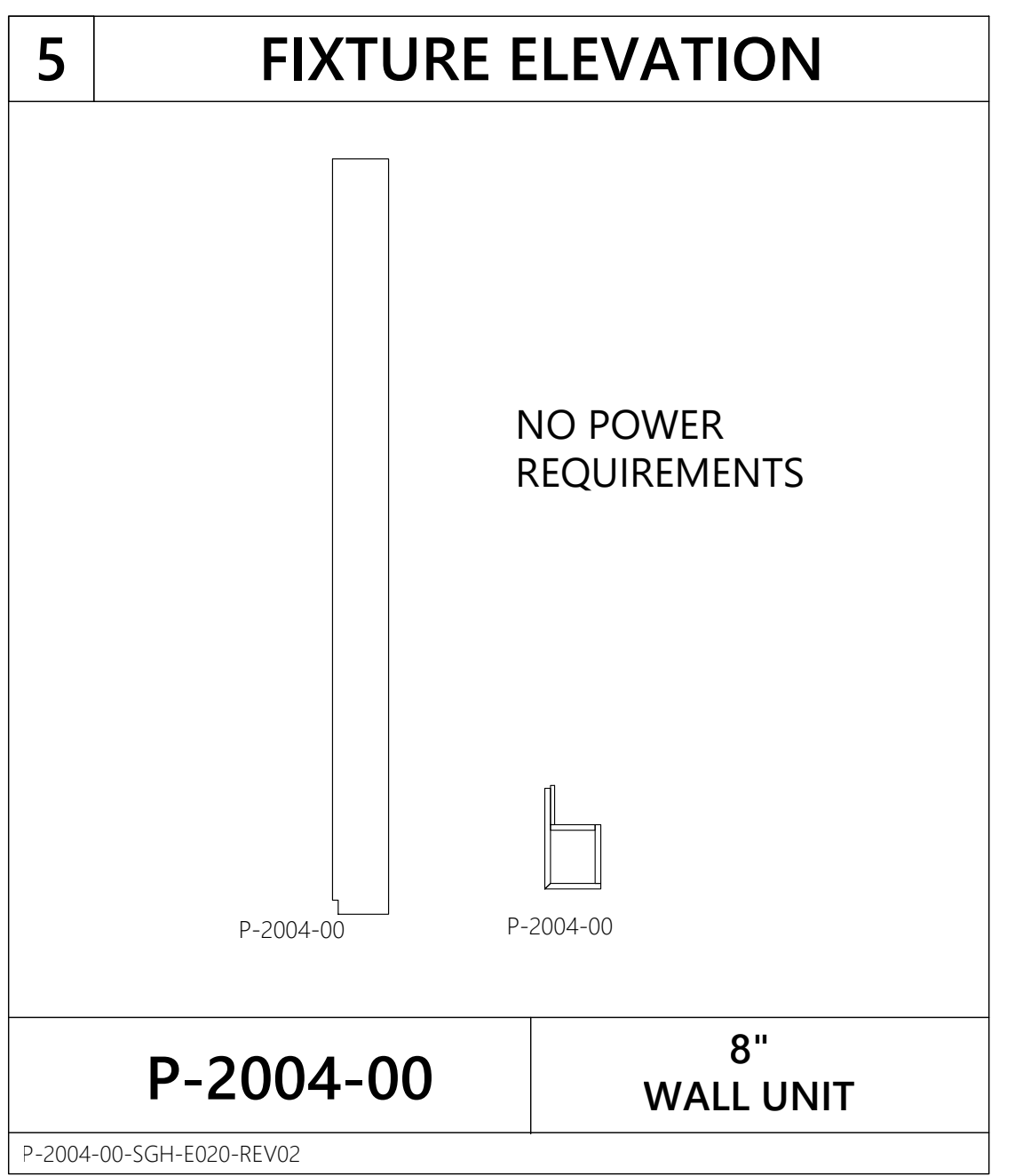
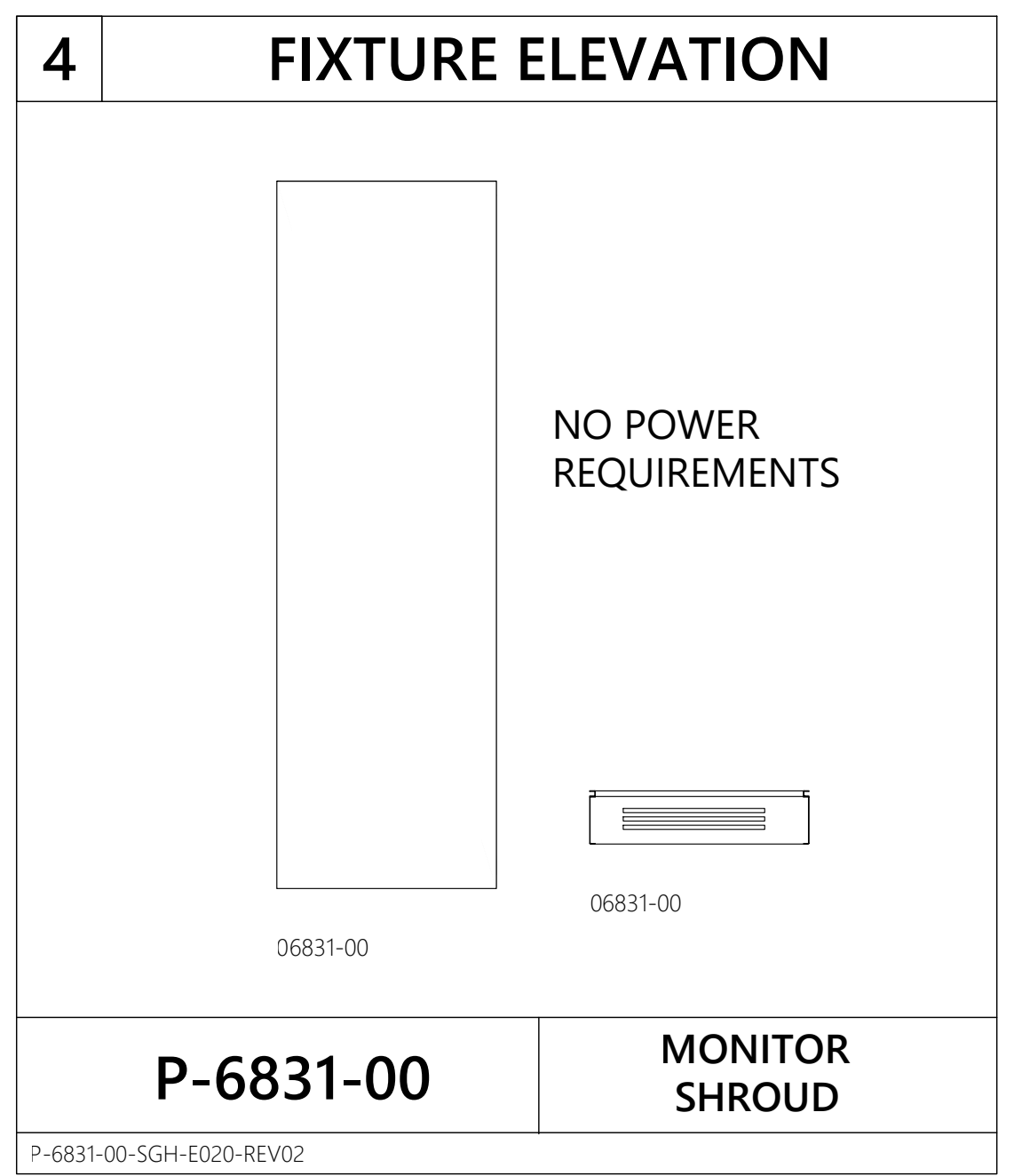
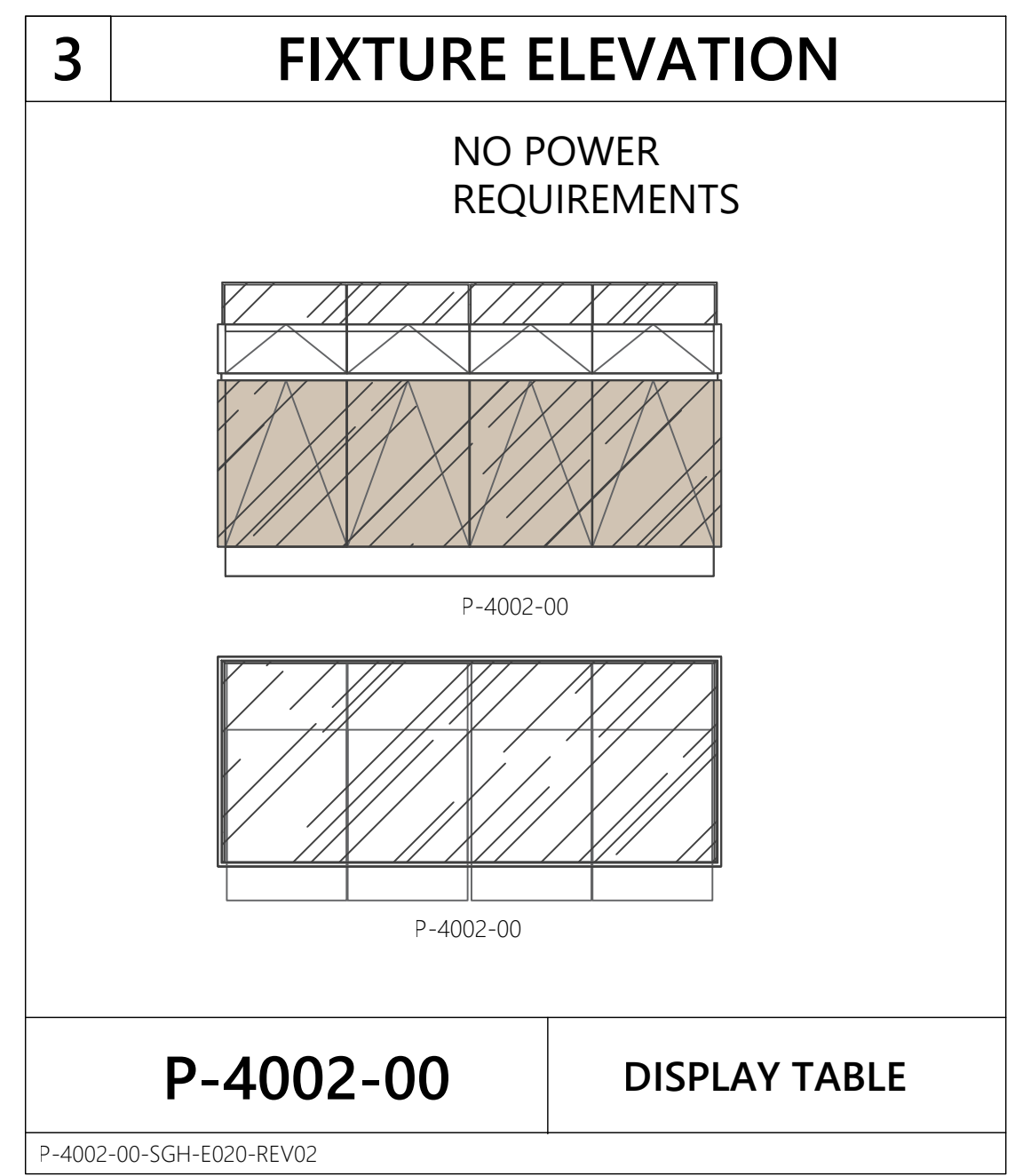
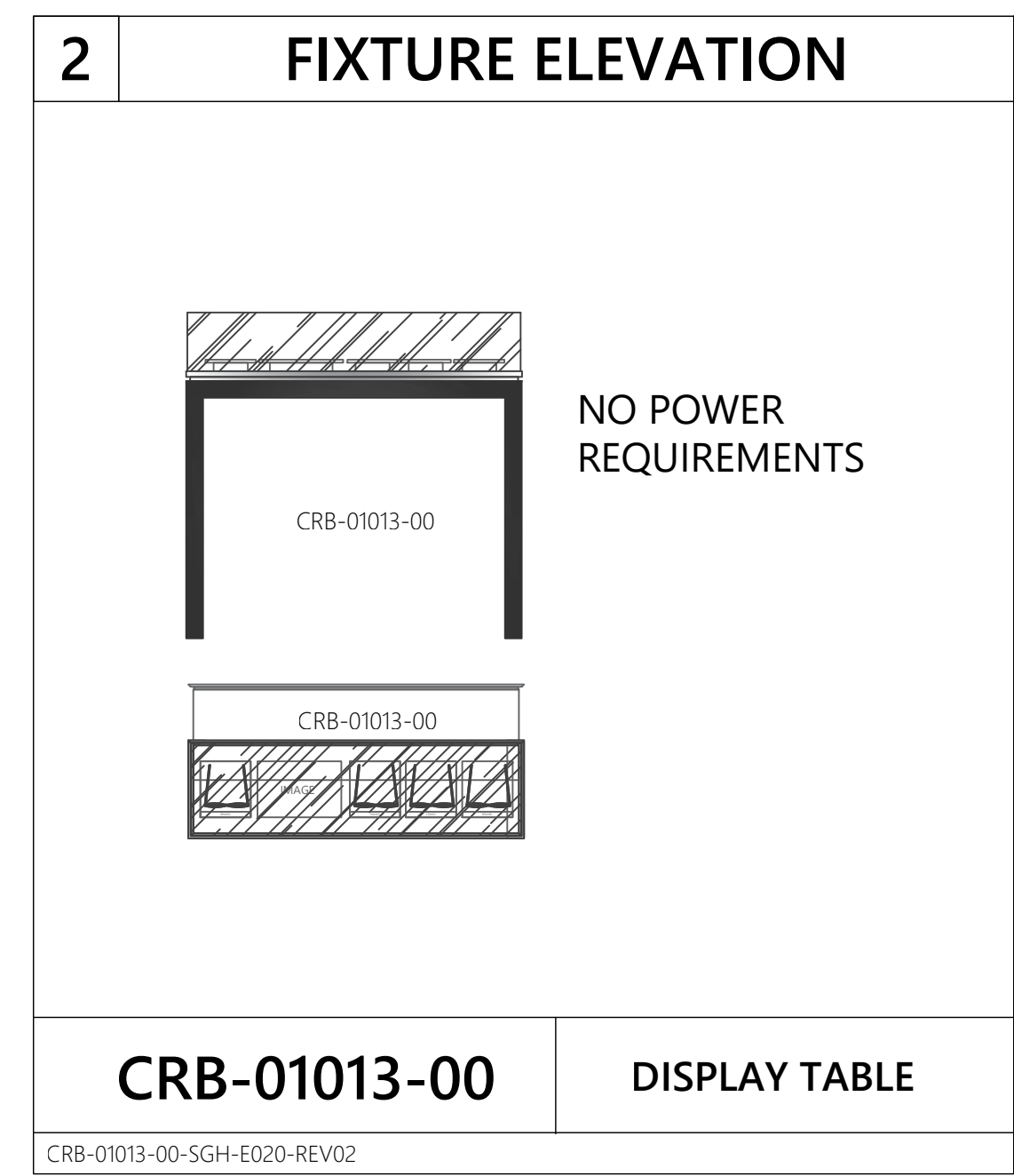
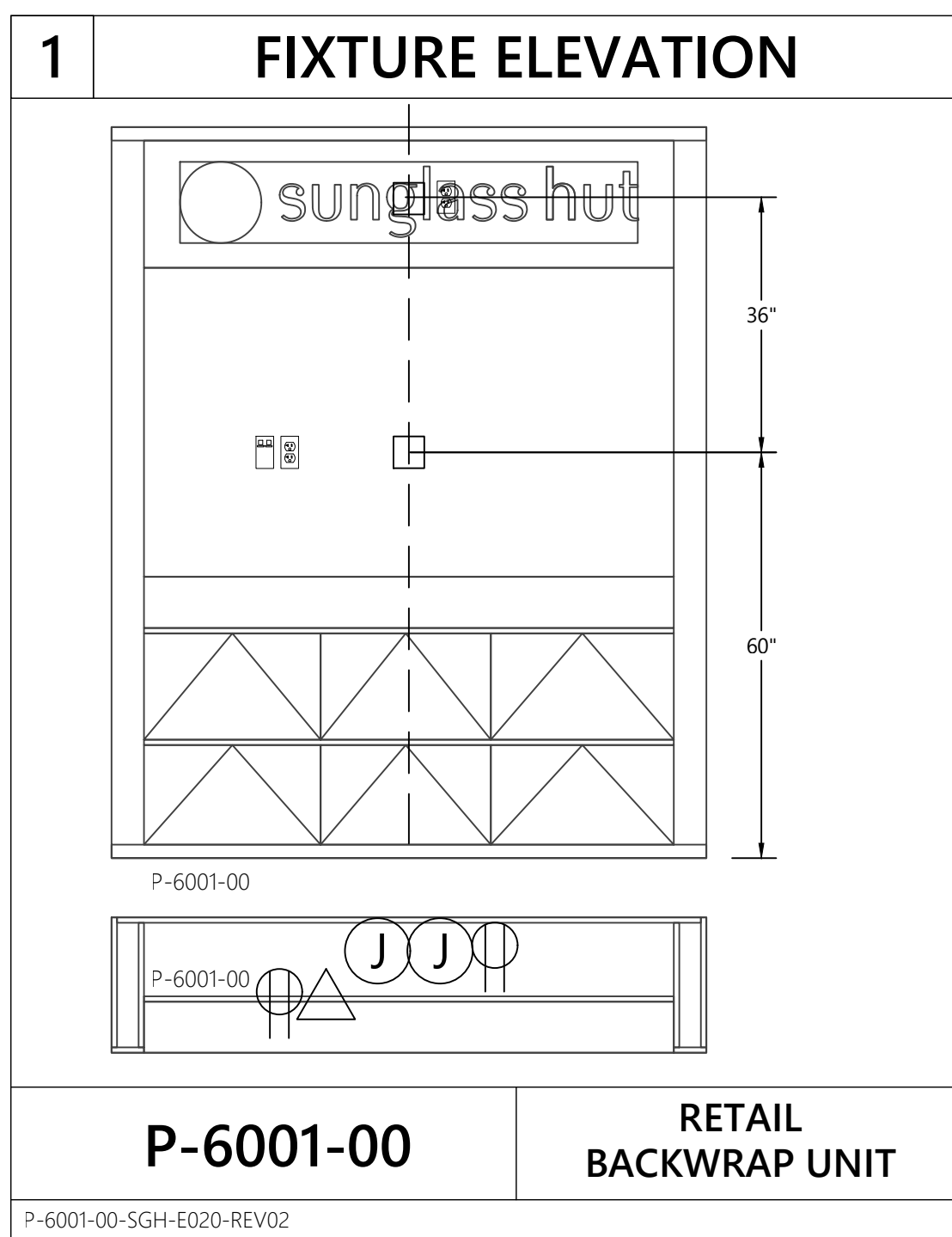
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ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

ELECTRICAL DETAILS

Date 01/28/2026	Sheet No.:
Drawn By WNA	E011
Checked By JPO	



Revisions:

Mark	Date	By
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Engineer of Record

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 PROJECT NUMBER: 24-0472

Seal

Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.: **REV 10**

EssilorLuxottica Project Number 101228
 Brand Design Type: SGH
DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name: **ELECTRICAL CASEWORK DETAILS**

Date: 01/28/2026
 Drawn By: WNA
 Checked By: JPO

Sheet No.: **E020**

A KEY NOTES - ELECTRICAL DEMOLITION

1. DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES IN THIS AREA.
2. EXISTING LIGHT FIXTURE TO REMAIN. RELAMP FIXTURE PRIOR TO STORE OPENING BUT AFTER HEAVY CONSTRUCTION.
3. DISCONNECT AND REMOVE ALL EXISTING SPEAKERS IN THIS AREA.
4. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES, SWITCHES ETC AS REQUIRED TO PROVIDE THE ELECTRICAL AS SHOWN ELSEWHERE ON THESE PLANS.
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 DISCONNECT, TRANSFORMER, AND ELECTRICAL PANEL TO REMAIN.
7. REMOVE EXISTING POWER AND LOW VOLTAGE WIRING FROM EXISTING CASH WRAP. CUT STUB UPS TO BELOW FINISHED FLOOR LEVEL AND COORDINATE WITH GC FOR PATCHING.
8. DISCONNECT AND REMOVE EXISTING TIMECLOCK. REPLACE WITH NEW TIMECLOCK - SEE SHEET E200 FOR NEW DEVICE LOCATION.
9. DISCONNECT AND REMOVE EXISTING EXIT SIGN.
10. EXISTING FAN TO REMAIN.
11. DISCONNECT AND REMOVE SHOW WINDOW RECEPTACLE(S).
12. REMOVE POWER TO EXISTING STORE SIGN. NEW STOREFRONT SIGN WILL BE INSTALLED.
13. DISCONNECT AND REMOVE EXISTING SECURITY KEYPAD AND OR PANEL IF PRESENT.

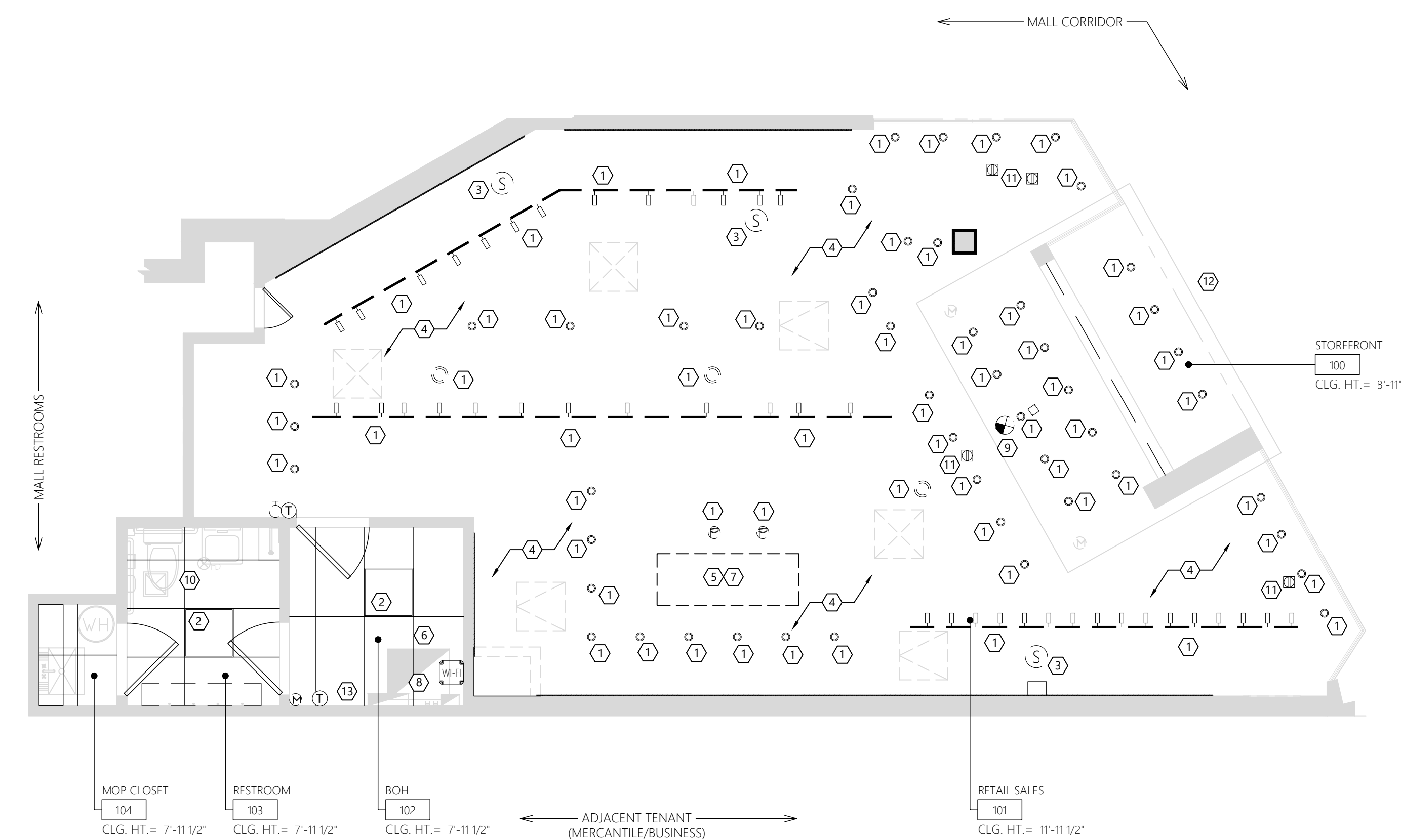
A-SGH-E100-REV01

B GENERAL DEMOLITION NOTES

- A. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE E.C. SHALL FIGURE A COMPLETE JOB AS NONE OTHER SHALL BE ACCEPTED.
- B. THE DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE E.C. MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB & INCLUDE THE COST OF SUCH WORK IN HIS BID.
- C. THE E.C. SHALL MAINTAIN EXISTING SERVICES TO & 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 CORE DRILLING. 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 DRILLING.
- O. COORDINATE ANY NECESSARY SYSTEMS SHUTDOWNS WITH LANDLORD PRIOR TO SHUTDOWN. INCLUDE THE COST OF THE SYSTEMS SHUTDOWNS IN THE BID.

B-SGH-E100-REV04

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



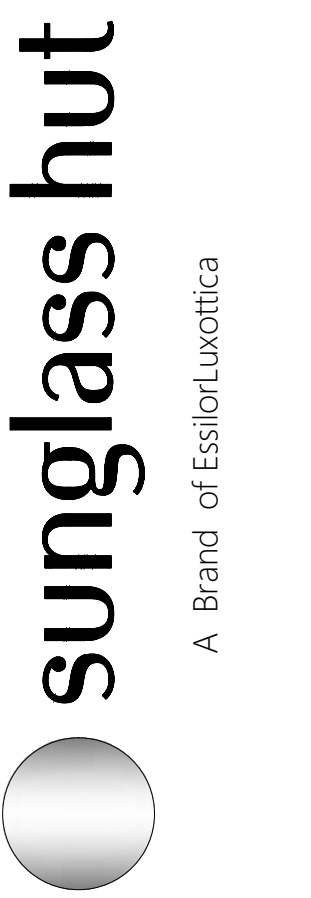
1 ELECTRICAL - DEMOLITION
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
NORTH AMERICA STORE DEVELOPMENT
1 West 37th Street New York, NY 10018
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STORE 2018
ROSS PARK MALL
1000 ROSS PARK MALL DR
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PITTSBURGH, PA 15237

Construction for:



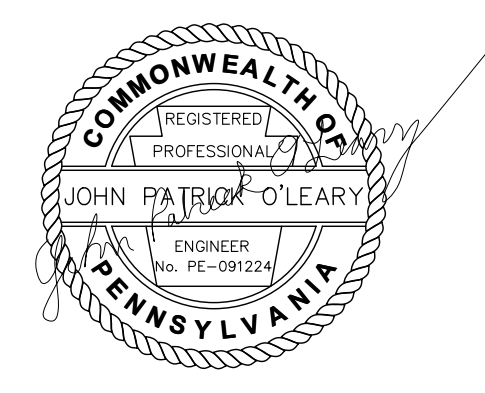
Revisions:

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Engineer of Record

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PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.: **REV 10**

EssilorLuxottica Project Number 101228
Brand Design Type: SGH
DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:
ELECTRICAL DEMOLITION PLAN

Date	01/28/2026	Sheet No.:	E100
Drawn By	WNA		
Checked By	JPO		

LIGHT FIXTURE SCHEDULE										
TAG	DESCRIPTION	SUPPLIER	MANUFACTURER	MODEL NUMBER	FINISH/COLOR	VOLTAGE	LAMP TYPE	LAMP QTY	FIXTURE WATTS	NOTES
i1	ISI SPOT TRACK BLACK, 15" HEAD ANGLE, LED 3000K Ra95 1970m 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	517.001.n.3097.15.u	black	120	non-dimmable LED	1	18.3	1,3
i2	ISI SPOT TRACK BLACK, 24" HEAD ANGLE, LED 3000K Ra95 1970m 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	517.001.n.3097.24.u	black	120	non-dimmable LED	1	18.3	1,3
i3	ISI SPOT TRACK BLACK, 36" HEAD ANGLE, LED 3000K Ra95 1970m 120V, NON DIMMABLE POWER SUPPLY ONBOARD	Viabizzuno	Viabizzuno	517.001.n.3097.36.u	black	120	non-dimmable LED	1	18.3	1,3
i2	micro recessed ADJUSTABLE Fixture, 3000K Ra98 LED, REMOTE DIMMABLE POWER SUPPLY	Viabizzuno	Viabizzuno	Vb6.608.49.30.n.u	black	120	3000K Ra98 LED	1	16.8	3
REM1	RECESSED EMERGENCY LIGHT	CAPITOL LIGHT	LIGHTALARMS	RPWVPSQ	WHITE	120/277	4 LED W/UNIT, 717 LUMENS AT 90 MIN	1	7	3
T-SPK	SPOTTUNE TRACK SPEAKER	VIABIZZUNO	VIABIZZUNO	spot01b	BLACK	100-240	-	-	18	-
st	SPOTTUNE STREAM TRANSMITTER	VIABIZZUNO	VIABIZZUNO	spot1f0	BLACK	100-220	-	-	-	-
t01	track Vbb 3"-120V 16A black, total length 19'-11"	Viabizzuno	Viabizzuno		black	120	-	-	-	-
t02	track Vbb 3"-120V 16A black, total length 25'-4"	Viabizzuno	Viabizzuno		black	120	-	-	-	-
t03	track Vbb 3"-120V 16A black, total length 27'-2"	Viabizzuno	Viabizzuno		black	120	-	-	-	-
t04	track Vbb 3"-120V 16A black, total length 29'-1"	Viabizzuno	Viabizzuno		black	120	-	-	-	-
t05	track Vbb 3"-120V 16A black, total length 26'-0"	Viabizzuno	Viabizzuno		black	120	-	-	-	-
X1C	WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, CEILING MOUNTED, WITH BATTERY	CAPITOL LIGHT	LIGHTALARMS	SPLEDNWRCD (WHITE)	WHITE	120/277	LED W/UNIT	1	3	3
X2C	WHITE, SEMI-RECESSED EXTRUDED ALUMINUM LED EDGE LIT EXIT SIGN, RED LETTERS, CEILING MOUNTED, WITH BATTERY	CAPITOL LIGHT	LIGHTALARMS	SPLEDNWRCD (WHITE)	WHITE	120/277	LED W/UNIT	1	3	3
w1	LUX.002.01.UL - minitraffic lux black 2x15" led 3000K Ra98 R9 98 2x18.6W 2x1950m 120V, no dimmable power supply on board, frame included	Viabizzuno	Viabizzuno	LUX.002.01.UL	black	120	LED	2	37.2	1,3
w2	LUX.002.02.UL - minitraffic lux black 2x24" led 3000K Ra98 R9 98 2x18.6W 2x1950m 120V, no dimmable power supply on board, frame included	Viabizzuno	Viabizzuno	LUX.002.02.UL	black	120	LED	2	37.2	1,3
CONTROLS AND LIMITERS										
CLP-#A	TRACK CURRENT LIMITER PANEL. THE "I" INDICATES THE AMPACITY OF THE CURRENT LIMITER. SEE PLANS.	GC	ACUTY/SILVER BULLET	T24M-1077UL-#BP-4A# etc-5M	STANDARD	120			N/A	2
OS	WALL OCCUPANCY SENSOR	GC	LUTRON	MS-8102	SEE CHART ON E201 LCO9 ELEC./ DATA FACEPLATE COLOR					
D	DIMMER	GC	LUTRON	MA-PRO	SEE CHART ON E201 LCO9 ELEC./ DATA FACEPLATE COLOR					
NOTES:										
1. REFER TO VIABIZZUNO LIGHTING PLAN FOR LAMP DIRECTIONAL ANGLE.										
2. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.										
3. SCAN QR CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEETS AND INSTALLATION INSTRUCTIONS.										

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

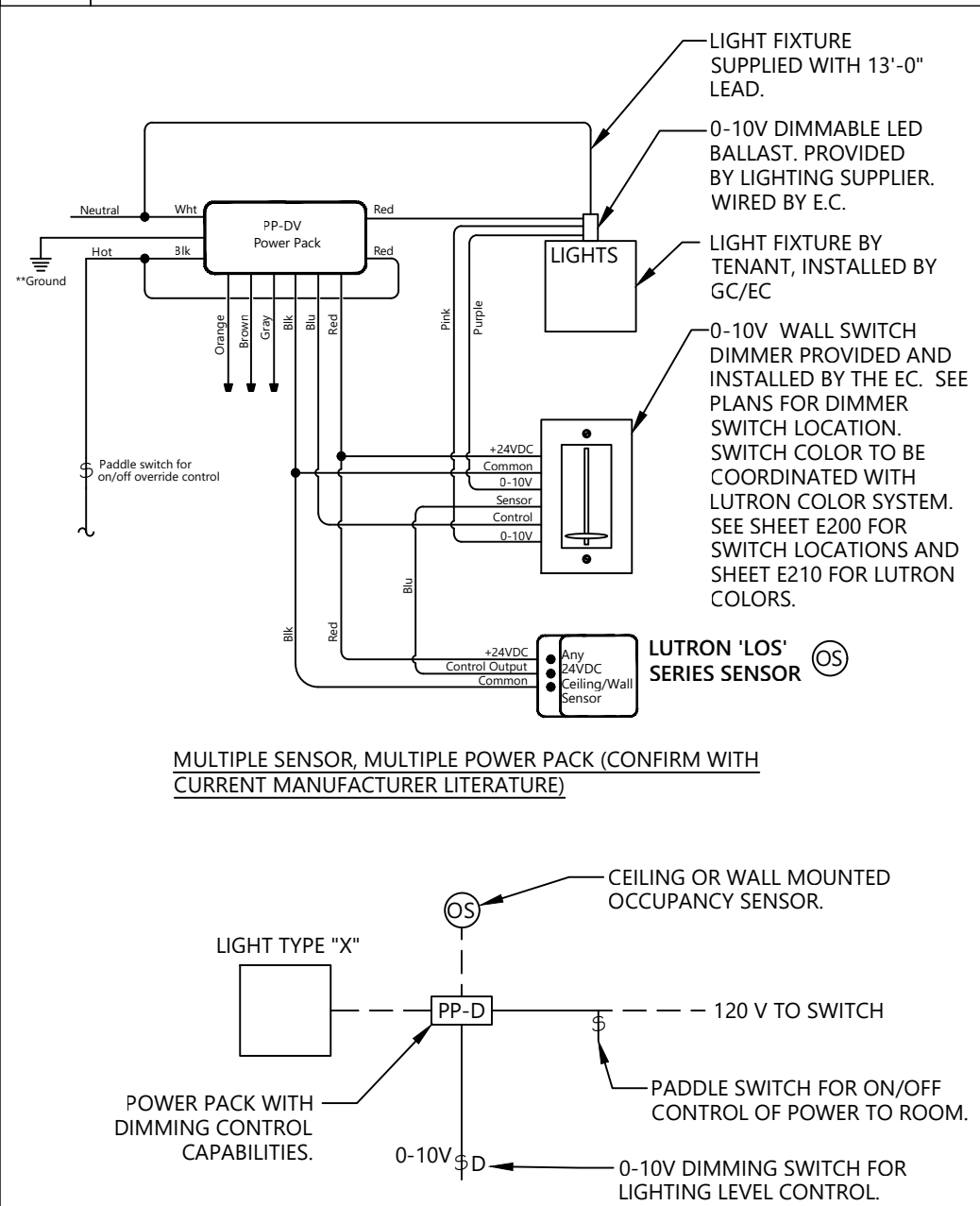
INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES.

FIELD VERIFICATION NOTE-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

C OCCUPANCY SENSOR DETAIL



E010 OCCUPANCY SENSOR SCHEMATICS

E010-SGH-E200-REV02



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

QRC-SGH-E200-REV02

B GENERAL NOTES

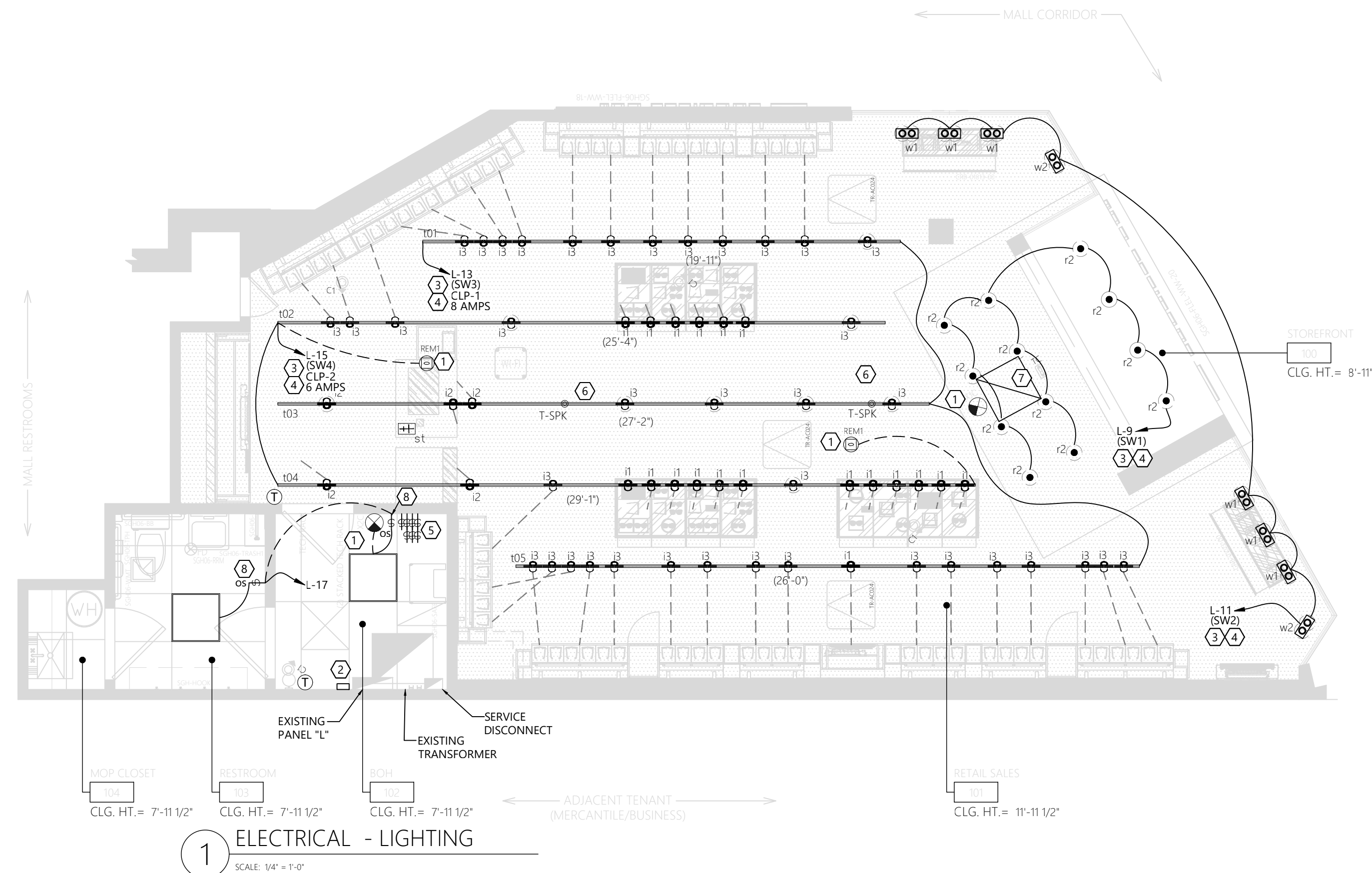
- EMERGENCY LUMINAIRES THAT ARE NOT WIRED TO A CENTRAL INVERTER SYSTEM SHALL BE CIRCUITED WITH AN "UNSWITCHED HOT" TO PROVIDE CONTINUOUS POWER TO BATTERY PACK EVEN WHEN LUMINAIRE IS OFF.
- IT SHALL BE THE E.C.'S RESPONSIBILITY TO UNLOAD INVENTORY AND STORE LIGHTING PACKAGE. THE E.C. SHALL ALSO SHIP ANY EXCESS MATERIALS BACK TO THE ELECTRICAL PACKAGE DISTRIBUTOR AT THE G.C.'S EXPENSE.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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).
- EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. SEE QR CODE ON THIS SET FOR LIGHT CUT SHEET AND INSTALLATION INSTRUCTIONS.
- 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.
- REPLACE EXISTING EMERGENCY BATTERY PACKS PRIOR TO TURN OVER.
- 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.
- SCAN QR CODE ON THIS SHEET FOR LIGHT FIXTURE CUT SHEET AND INSTALLATION INSTRUCTIONS.

B-SGH-E200-REV05

A KEY NOTES - ELECTRICAL PLAN

- FIXTURE HAS EMERGENCY BALLAST/DRIVER. PROVIDE UN-SWITCHED CONNECTION, ALONG WITH THE SWITCHED CONNECTION, FOR THE BATTERY TO SENSE A POWER FAILURE.
- NEW CURRENT LIMITER PANEL CLP##. MOUNT AT APPROXIMATELY 8'-0" AFF.
- ROUTE THROUGH NEW TIMECLOCK.
- ROUTE TO THROUGH NEW SWITCH BANK
- NEW LIGHTING SWITCH BANK. SEE DETAIL E033 ON SHEET E210. IF LOCATION IS UNDESIRABLE, FIELD VERIFY EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER PRIOR TO ROUGH-IN.
- E.C. SHALL 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. COORDINATE WORK WITH THE VENDOR PRIOR TO LIGHTING TRACK INSTALLATION. SEE DETAIL E068 ON SHEET E011.
- LOCATION OF TRAFFIC COUNTER. E.C. SHALL PROVIDE DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO SHOPPERTRAK SYSTEM(BY OTHERS). PROVIDE MINIMUM 6 FT COILED CABLE AT BOTH ENDS.
- NEW OCCUPANCY SENSOR SWITCH.

A-SGH-E200-REV05



1 ELECTRICAL - LIGHTING

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

Construction for:

sunglass hut

A Brand of EssilorLuxottica

Revisions:

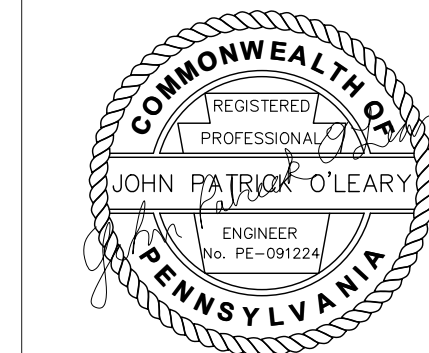
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Engineer of Record



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 PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.:

LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number

101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

ELECTRICAL LIGHTING PLAN

Date

01/28/2026

Drawn By

WNA

Checked By

JPO

Sheet No.:

E200

A	COORDINATION NOTES
DO NOT ROUGH IN ANY RECEPTACLES OR DATA OUTLETS ON THE SALES FLOOR WITHOUT FIRST CONFIRMING EXACT LOCATION WITH ESSILOR LUXOTTICA PROJECT MANAGER.	
DO NOT PURCHASE FLOOR BOXES WITHOUT FIRST VERIFYING FINISH (FROM MANUFACTURER'S STANDARD) FOR A PARTICULAR BOX IN A PARTICULAR LOCATION. 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-E210-REV01	

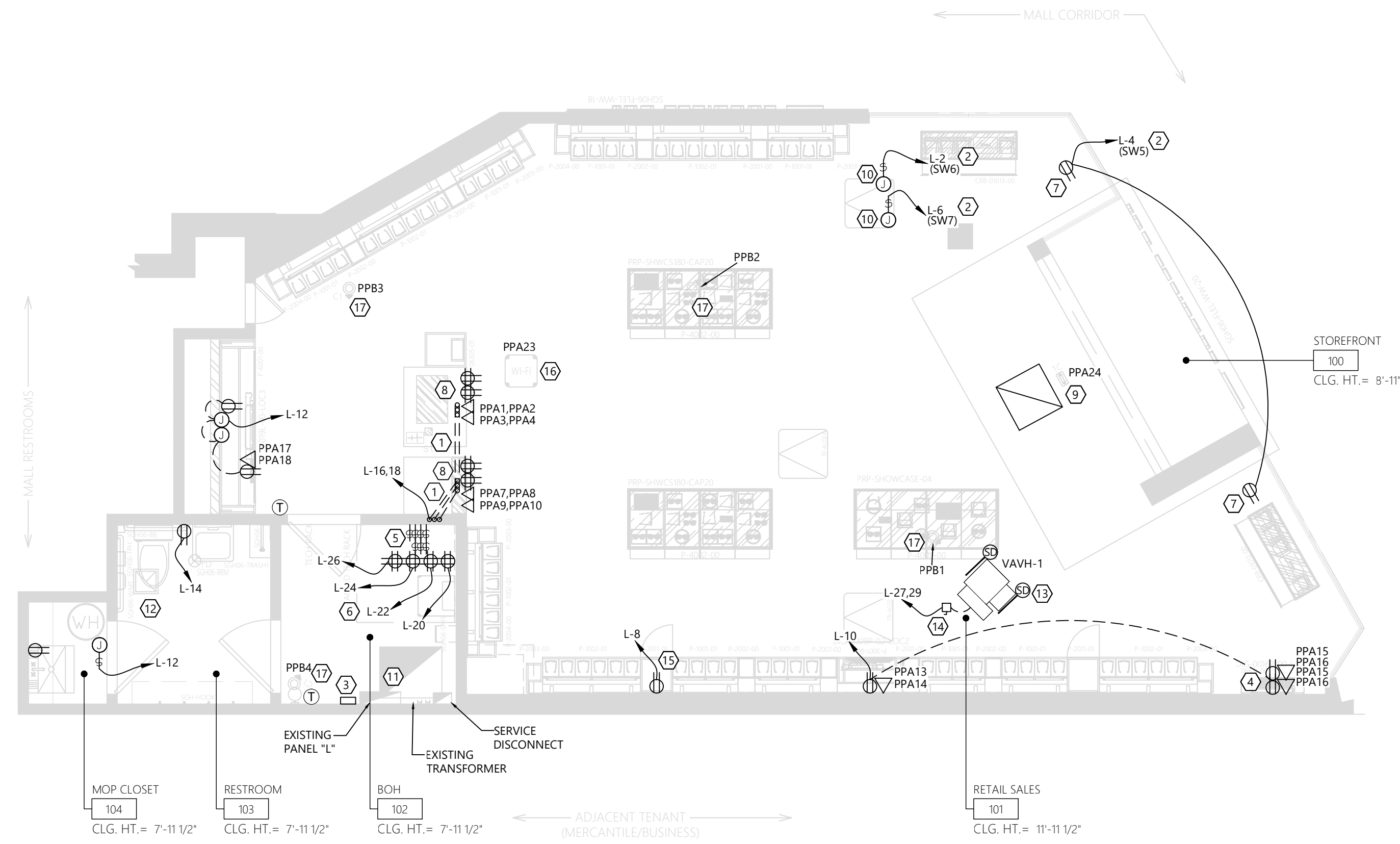
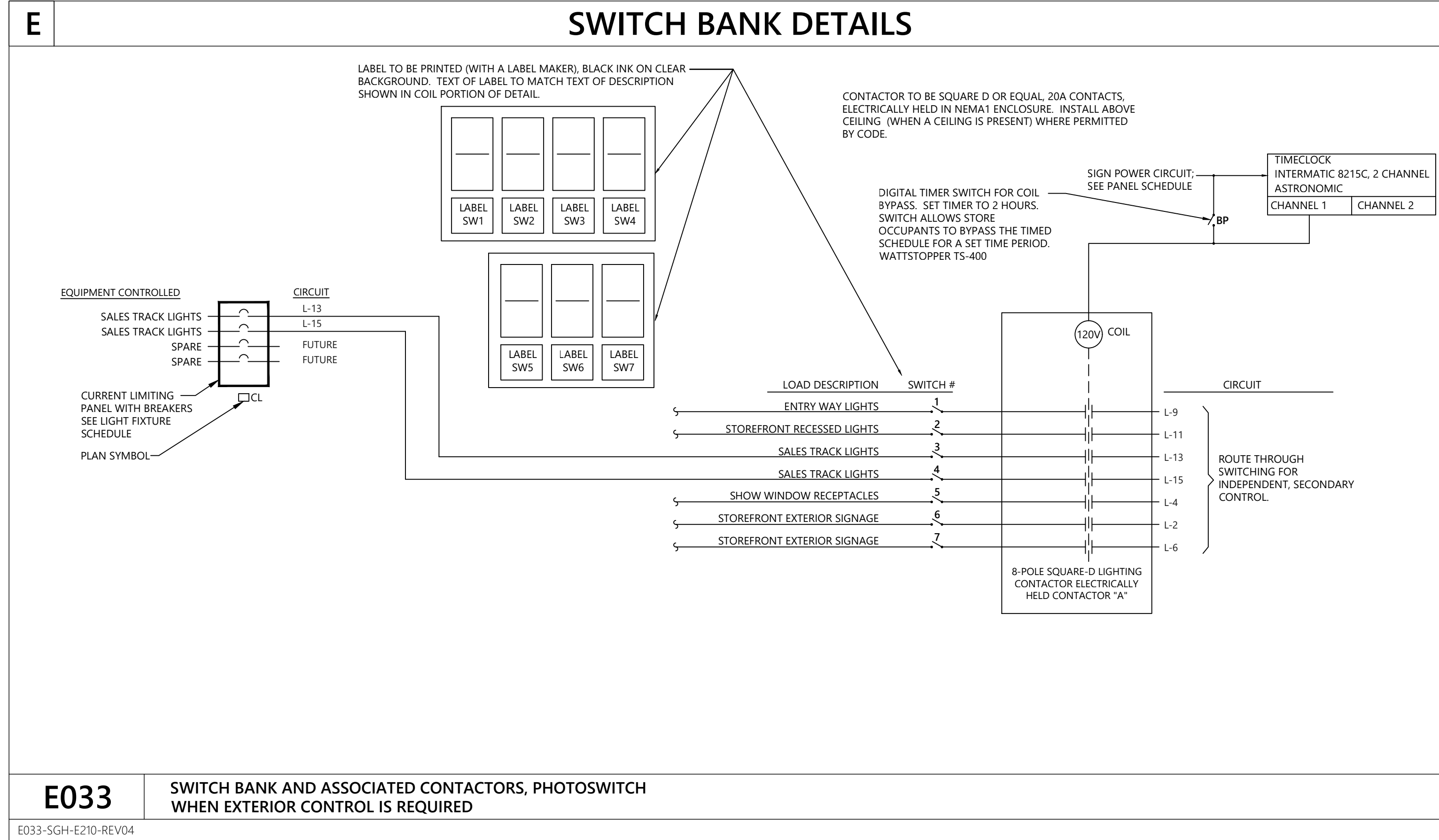
B	GENERAL NOTES
<ul style="list-style-type: none"> DO NOT INSTALL JUNCTION BOXES (WITH OR WITHOUT COVERS) VISIBLE TO THE PUBLIC IN THE SALES AND PUBLIC BACK OF HOUSE AREAS. IF THIS IS DONE, THE GC IS REQUIRED TO REMOVE THE JUNCTION BOX AT HIS/HER EXPENSE. INFORMATION IS BASED ON SURVEY PICTURES. VERIFY ALL WORK IN FIELD. ADVISE ESSILOR LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES. 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. 	
B-SGH-E210-REV05	

C SGH ELEC. / DATA FACEPLATE, SWITCHES & PLUGS COLOR SCHEDULE	
WALL FINISH	LUTRON DEVICE COLOR
P-53	BRILLIANT WHITE (BW)
P-57	LIGHT ALMOND (LA)
P-61	MIDNIGHT (MN)
P-62	MIDNIGHT (MN)
P-501	MIDNIGHT (MN)
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 RF TO THE ESSILOR LUXOTTICA PROJECT MANAGER.	
ELECTRICIAN MUST COORDINATE WITH ARCHITECTURAL FINISH PLAN SHEET.	
C-SGH-E210-REV05	

BOX CALL OUT ON PLANS	
POKE THRU	
WIREMOLD EVOLUTION 6AT SERIES POKE THRU	
TWO DUPLEX RECEPTACLES AND ONE DATA OUTLET	
6CT2AL (CARPET) / 6CT2AL (TILE)	
E008	FLOOR BOX SCHEDULE
E008-SGH-E210-REV01	

F	NOTES
NOTE: ALL TRENCHED CONDUIT TO BE 3/4" UNLESS NOTED OTHERWISE.	
TRENCHED CONDUIT NOTE-SGH-E210-REV01	
NOTE: ROUTE ALL CAT6 WIRING TO TECH RACK UNLESS NOTED OTHERWISE.	
DATA WIRE NOTE-SGH-E210-REV01	
FIRE ALARM DEFERRED SUBMITTAL REQUIREMENTS	
The fire alarm plans provided in this set of drawings is for design intent. The General Contractor shall engage the fire alarm contractor (when required, the Landlord required contractor shall be used) to complete the installation that is compliant with applicable codes. Include submittals to the jurisdiction as required to secure permit and certificate of occupancy. Include all design and jurisdictional fees as required for this work.	
FIRE ALARM SUBMITTAL NOTE-SGH-E210-REV01	

D	KEY NOTES - ELECTRICAL PLAN
<ol style="list-style-type: none"> POWER NEW CASHWRAP THRU FLOOR. CONDUITS TO BE ONE 1" FOR POWER AND TWO 1-1/4" FOR COMMUNICATIONS. PROVIDE NEW CAT6 CABLING AND ROUTE TO NEW TECH RACK LOCATION. SEE DETAIL 06802-00 ON SHEET E220 FOR CASH DESK DETAILS AND E068 ON SHEET E011 FOR TECH RACK DETAILS. ROUTE CIRCUIT THROUGH SWITCH BANK. SEE DETAIL E033 ON THIS SHEET. NEW TIME CLOCK. SEE DETAIL E033 ON THIS SHEET. PROVIDE A RECESSED CLOCK STYLE OUTLET BOX FOR THE RECEPTACLE AND DATA OUTLET BEHIND MONITOR. SEE MONITOR DETAILS ON SHEET E011. NEW SWITCH BANK LOCATION. PROVIDE TECH RACKS AND SUPPORTING EQUIPMENT. SEE DETAIL E068 ON SHEET E011. STOREFRONT CEILING RECEPTACLE LOCATION. MATCH RECEPTACLE AND FACEPLATE TO ADJACENT CEILING. SEE FACEPLATE COLOR SCHEDULE ON THIS SHEET. PROVIDE CORE DRILLING (AS APPLICABLE) FOR POWER AND TELE/DATA. FLOOR X-RAY REQUIRED PRIOR TO ANY SLAB PENETRATIONS. 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. 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. SEE ARCHITECTURAL PLANS FOR LOCATION. PROVIDE JUNCTION BOX AND LOCAL DISCONNECTING MEANS TO POWER EXTERIOR BUILDING SIGNAGE. JUNCTION BOX AND LOCAL DISCONNECT MUST BE LOCATED WITHIN 6' OF THE EXTERIOR SIGNAGE BROUGHT TO THE INTERIOR OF THE SPACE TO THE JBOX REACHABLE FROM THE ACCESS PANEL. COORDINATE PATH ROUTE WHILE VISITING THE SITE PRIOR TO BID AND COORDINATE WITH SIGNAGE VENDOR EXACT CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN. NEW CONTACTOR PANEL LOCATION. SEE DETAIL E033 ON THIS SHEET. EXHAUST FAN TO BE CONTROLLED WITH LOCAL LIGHTING SWITCH. PROVIDE NEW DUCTWORK SMOKE DETECTOR IN NEW SUPPLY AND RETURN RETURN DUCTWORK. VERIFY EXACT LOCATION IN THE FIELD. GC SHALL PROVIDE ALL WIRING, CONDUITS, AND COMPONENTS NECESSARY FOR LOCATION OF DISCONNECT. FRAME WARMER TO BE PLACED IN MIRROR CABINET. CABINET TO BE MODIFIED ONSITE BY MILLWORK INSTALLER. PROVIDE DUPLEX AS SHOWN. RECESSED WIRELESS ACCESS POINT. EC SHALL HAVE A STRUCTURED CABLING CONTRACTOR PROVIDE A CAT6 DATA CABLE FROM TECH RACK TO 24" ABOVE CEILING FOR CONNECTION TO WIRELESS ACCESS POINT. WIRELESS ACCESS POINT VENDOR TO INSTALL OBERON 1019-RM PER MANUFACTURERS INSTALLATION REQUIREMENTS. GC WILL PROVIDE CUTOOUT FOR INSTALL AND WILL PAINT THE COVER ONCE INSTALLED. SEE ARCHITECTURAL PLANS FOR LOCATION. INSTALL CATEGORY 6 CABLING FOR OWNER FURNISHED/INSTALLED SURVEILLANCE SYSTEM. WHERE THE SPACE HAS A GYP CEILING, OR IS EXPOSED TO STRUCTURE, THE ELECTRICAL CONTRACTOR PROVIDES A RACEWAY SYSTEM AS WELL. ELECTRICAL CONTRACTOR PROVIDES BACK BOXES, CONDUITS AND UN-TERMINATED CATEGORY 6 CABLING. WHERE THERE ARE SOLID BEAMS TO PASS, DO SO WITH LB FITTINGS AND FOLLOW THE STRUCTURE, KEEPING CONDUIT CLOSE. PROVIDE 3/4" CONDUITS. SEE DETAIL E068 ON SHEET E011. 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. 	
D-SGH-E210-REV04	



1 ELECTRICAL - POWER/SYSTEMS
SCALE: 1/4" = 1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

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NORTH AMERICA STORE DEVELOPMENT
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1000 ROSS PARK MALL DR
SUITE: L17
PITTSBURGH, PA 15237

Construction for:

sunglass hut
A Brand of EssilorLuxottica

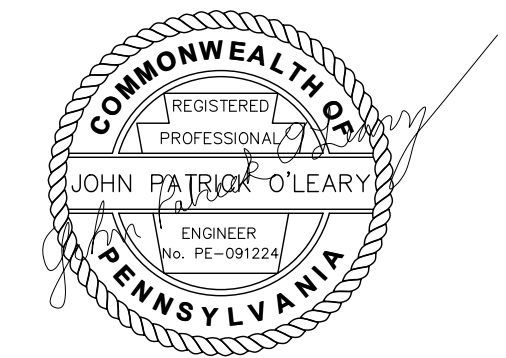
Revisions:

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PROJECT NUMBER: 24-0472

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Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:
 100% PRELIM CONSTRUCTION
 100% FINAL (PERMIT, BID) BULLETIN
 ADDENDUM

Sheet Name:

ELECTRICAL
POWER/SYSTEMS
PLAN

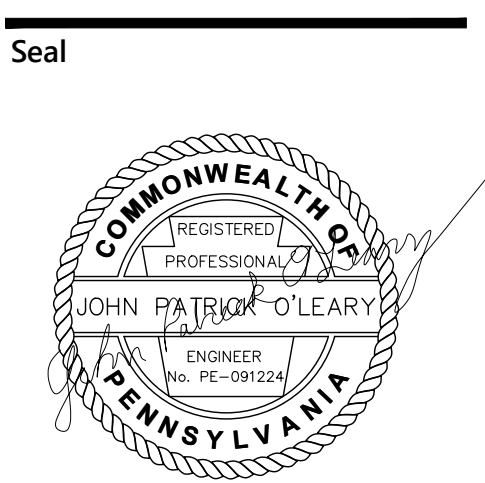
Date	01/28/2026	Sheet No.:	E210
Drawn By	WNA	Checked By	JPO



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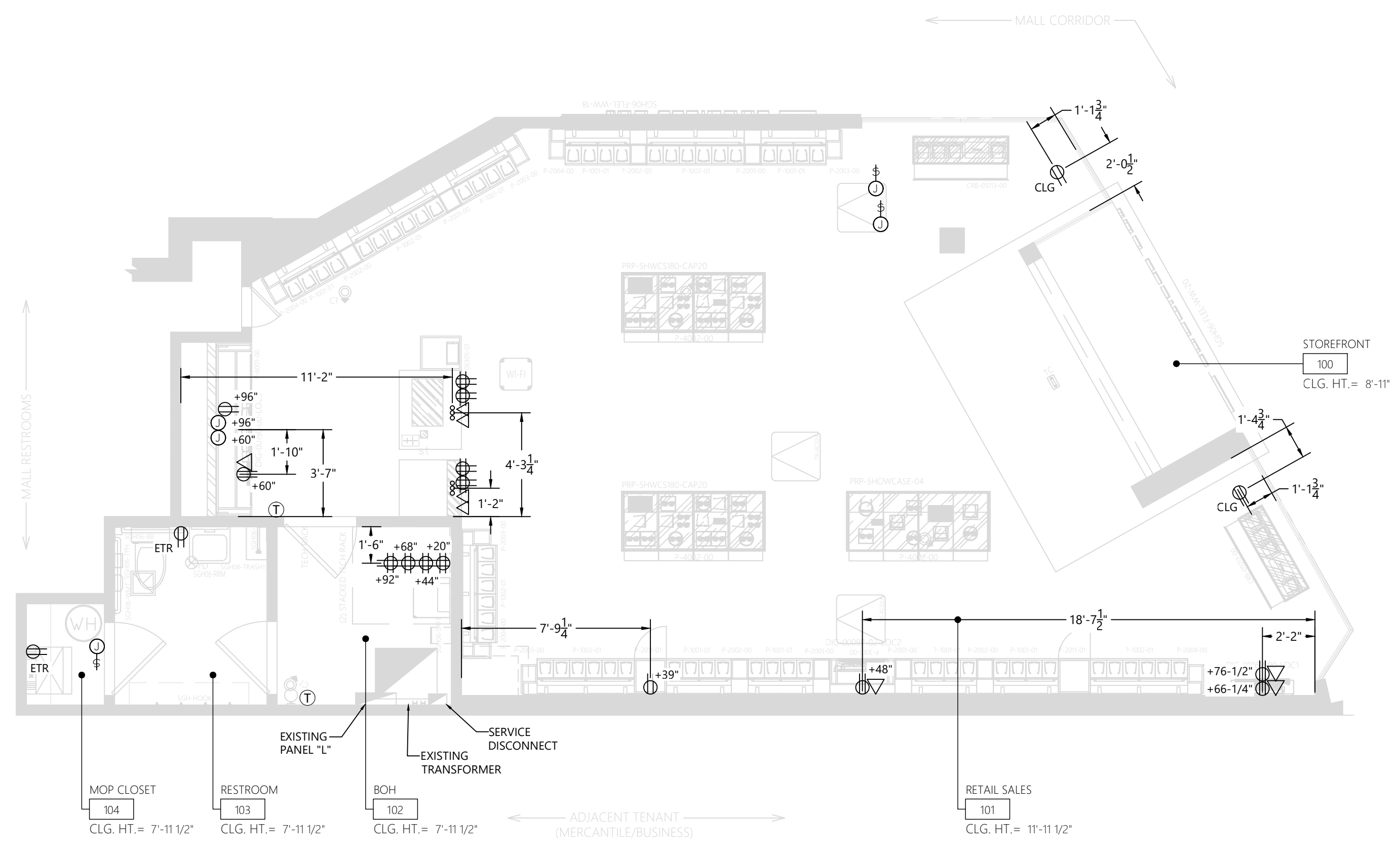
ELECTRICAL DIMENSION PLAN

Date: 01/28/2026 Sheet No.: E220
 Drawn By: WNA
 Checked By: JPO

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 ESSLOR 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. DATA OUTLETS TO BE LOCATED ADJACENT TO RECEPTACLE.
- F. VERIFY ALL DIGITAL MONITOR LOCATIONS PRIOR TO ROUGH-IN OF MONITOR DEVICES.
- G. IF MOUNTING HEIGHT FOR RECEPTACLE IS NOT EXPLICITLY NOTED, RECEPTACLE CAN BE ASSUMED TO BE MOUNTED AT 18".

A-SGH-E220-REV01



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

A FIRE PROTECTION LEGEND	
SYMBOL	DESCRIPTION
	CONCEALED QUICK RESPONSE HEAD SUPPLY FACTORY FINISHED CUSTOM COLOR FACE PLATES FOR THE CONCEALED HEADS. PLACE ORDER FOR FACE PLATES UPON AWARD. ITEM IS A LONG LEAD TIME. COLOR TO MATCH ADJACENT CEILING COLOR (SEE NOTE ON THIS SHEET).
	SEMI RECESSED CHROME QUICK RESPONSE HEAD
	PENDENT SPRINKLER HEAD
	NEW FIRE PROTECTION PIPING
	EXISTING FIRE PROTECTION PIPING
	PIPE RISERS
	POINT OF CONNECTION (POC)
	CAPPED PIPING
A-SGH-FP200-REV01	

B FIRE PROTECTION SPECIFICATIONS	
<p>SCOPE: OVERVIEW: THE WORK SHOWN ON THIS DRAWING IS REFLECTING THE GENERAL SCOPE OF WORK FOR THE FIRE PROTECTION CONTRACTOR. ACTUAL AND FINAL DESIGN, INCLUDING ANY SUBMITTALS AND ALL RELATED COSTS, ARE TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.</p> <p>THE SCOPE OF THIS INSTALLATION IS TO MODIFY THE EXISTING SPRINKLER SYSTEM THROUGHOUT THE TENANT SPACE AND INSTALL NEW SPRINKLER HEADS FOR THIS TENANT FROM THE EXISTING DISTRIBUTION SYSTEM. DURING BIDDING, VISIT PROJECT FACILITY AND REVIEW THE DRAWINGS FOR ALL OTHER TRADES TO DETERMINE EXISTING CONDITIONS AND THE SCOPE AND EXTENT OF THE REQUIRED WORK. HEADS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE EXACT PLACEMENT AND CODE COMPLIANCE. COORDINATE WITH ALL OTHER TRADES.</p> <p>WHERE APPLICABLE, ALL PIPING SHALL BE CONCEALED ABOVE HUNG CEILINGS AND WITHIN CHASSES AND FURRED IN PASSAGES. PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH LIGHTS, DUCTS, ETC. NO STRUCTURAL MEMBER SHALL BE CUT OR DRILLED WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM THE ENGINEER OR OWNERS REPRESENTATIVE.</p> <p>OBTAIN AND PAY FOR ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS AND TESTS ASSOCIATED WITH THIS WORK. PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AS REQUIRED FOR APPROVALS FROM STATE AND LOCAL AUTHORITIES. OBTAIN ALL APPROVALS PRIOR TO UNDERTAKING ANY WORK.</p> <p>PROVIDE ALL REQUIRED SIGNS. PROVIDE ALL REQUIRED SYSTEM ACCESSORIES.</p> <p>DURING BIDDING, THE CONTRACTOR SHALL MEET WITH THE LOCAL FIRE DEPARTMENT AND LANDLORD TO REVIEW ALL DRAWINGS AND TO DETERMINE THE CRITERIA AND ALL RELATED DETAILS AS REQUIRED TO MEET THE APPROVAL OF THE FIRE DEPARTMENT FOR THE DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM AND COVERAGE. CONTRACTORS FAILURE TO VERIFY REQUIREMENTS AND CRITERIA DURING BIDDING SHALL NOT RELIEVE THE CONTRACTOR OF COMPLYING WITH THE CRITERIA WITHOUT ADDITIONAL COST TO THE OWNER.</p>	<p>ALL FIRE PROTECTION WORK SHALL BE GOVERNED BY ALL APPLICABLE PORTIONS OF THE SPECIFICATIONS.</p> <p>THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF NFPA 13, THE BUILDING TENANT'S INSURANCE COMPANY, THE LOCALLY ENFORCED BUILDING CODE, LOCAL BUILDING AND FIRE OFFICIALS AND ALL OTHER LOCAL AUTHORITIES HAVING JURISDICTION.</p> <p>PIPE SUPPORTS: HANGERS, CLAMPS, RODS, AND OTHER ACCESSORIES OF AN APPROVED TYPE AND IN SUFFICIENT NUMBER TO PROPERLY SUPPORT ALL PIPING SHALL BE FURNISHED AND INSTALLED. PIPING SHALL BE SUPPORTED BY ROUND WROUGHT U-TYPE APPROVED ADJUSTABLE HANGERS.</p> <p>ALL SPRINKLER PLANS SHALL BEAR THE STAMP OF A REGISTERED PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED WITH THE STATE WHERE THE STORE IS LOCATED.</p> <p>ALL SPRINKLER HEADS LOCATED IN CEILING TILE SHALL BE CENTERED IN 2X2 TILE.</p> <p>BUILDING IS MERCANTILE OCCUPANCY.</p> <p>ACCEPTANCE TESTING SHALL INCLUDE: HYDRO-TESTING OF PIPING AT 200 PSI FOR 2 HOURS. OPERATIONAL TEST OF FLOW SWITCH, VIA THE INSPECTORS TEST CONNECTION. OPERATIONAL TEST OF TAMPER SWITCHES. MAIN DRAIN TEST. OPERATIONAL TEST OF CONTROL VALVES, WHILE UNDER SYSTEM PRESSURE.</p> <p>PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRE-CAULKED PER AN UL LISTED DETAIL, TO BE SHOWN ON THE SHOP DWGS.</p> <p>DESIGN APPROACH: INDICATE A HYDRAULICALLY CALCULATED FIRE PROTECTION SPRINKLER SYSTEM IN ACCORDANCE WITH LANDLORD'S INSURANCE UNDERWRITERS FIRE RATING INSPECTION BUREAU AND ALL CODES. SUBMIT SHOP DRAWINGS. VERIFY AVAILABLE WATER SUPPLY STATIC, RESIDUAL PSI, AND GPM OF FLOW NUMBERS WITH MALL OPERATIONS DIRECTOR PRIOR TO BID</p> <p>PIPING TO BE STEEL WITH COMPATIBLE FITTINGS PER NFPA 13. USE SCH-40 FOR BRANCHLINES, AND SCH-10 FOR MAINS. OTHER DEVICES AND MATERIALS TO BE PER NFPA 13.</p>
B-SGH-FP200-REV03	

H RESPONSIBILITY SCHEDULE (FIRE PROTECTION)					
DIVISION	SUBMITTED BY				REMARKS
	DATE	PREPARED BY	REVIEWED BY	DATE	
DIVISION 15000 - FIRE PROTECTION					
ACCESS PANELS	GC	GC	GC		COORDINATE WITH TRADES FOR SIZE AND LOCATION.
SPRINKLER SYSTEM MODIFICATIONS	GC	GC	GC		BY LL. DESIGNATED CONTRACTOR AT G.C. EXPENSE. GC RESP. FOR MODIFICATIONS, DRAWINGS, AND APPROVALS.
FIRE SPRINKLER MAIN	GC	GC	GC		
SPRINKLER SYSTEM SHOP DRAWINGS AND SUBMITTALS	GC	GC	GC		FIRE PROTECTION CONTRACTOR TO PROVIDE DOCUMENTS FOR AND IS RESPONSIBLE FOR BUILDING DEPARTMENT SUBMITTALS, INCLUDING ASSOCIATED FEES.
H-SGH-FP200-REV01					

C GENERAL FIRE PROTECTION NOTES	
1.	PROVIDE FIRE STOPPING FOR ALL PENETRATIONS OF FIRE WALLS. PROVIDE THROUGH WALL FIRE STOPPING FOR ALL LOCATIONS WHERE JUNCTION BOXES IN A DEMISING WALL, OR OTHER FIRE WALL.
C-SGH-FP200-REV01	

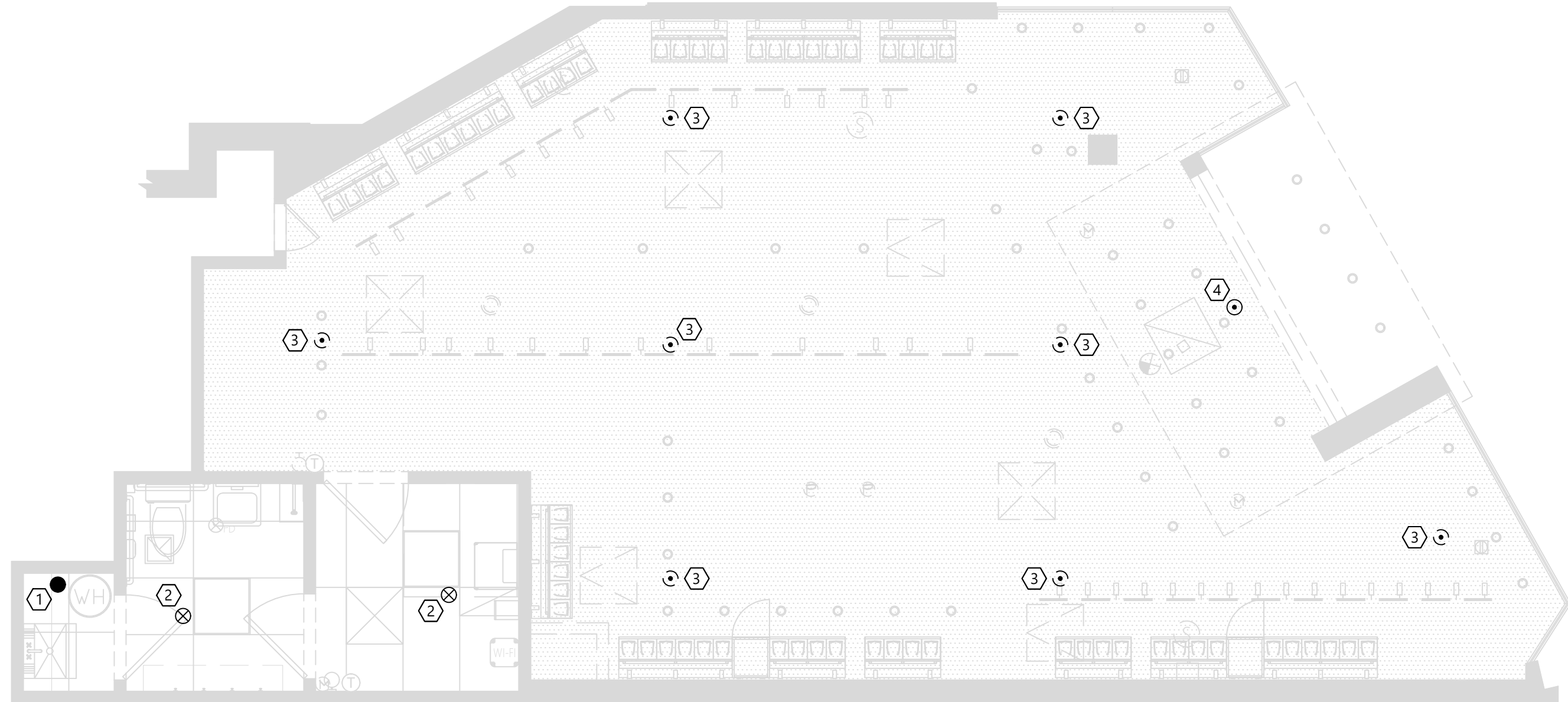
D SPRINKLER COVER PLATE CUSTOM FINISH	
THIS IS A GC SUPPLIED AND INSTALLED ITEM. TO ORDER, CONTACT QUICK RESPONSE FIRE SUPPLY (888) 361-6662. THERE WILL BE A PAINT SETUP FEE "PER ORDER". INFORMATION TO HAVE READY: <ul style="list-style-type: none"> SPRINKLER IDENTIFICATION NUMBER OR SIN (TYPICALLY ON SPRINKLER HEAD BEGINNING WITH 1-2 LETTERS FOLLOWED BY 3-4 #S.) QUANTITY BENJAMIN MOORE PAINT #, PAINT NAME, & PAINT SHEEN. 	
THIS IS A 6-8 WEEK LEAD TIME AND MUST BE ORDERED UPON AWARD OF THE PROJECT.	
D-SGH-FP200-REV01	

E DEFERRED SUBMITTAL REQUIREMENTS	
A.	THE FIRE PROTECTION PLANS IN THIS SET OF DRAWINGS IS FOR DESIGN INTENT.
B.	THE GENERAL CONTRACTOR SHALL ENGAGE THE FIRE SPRINKLER CONTRACTOR (WHERE REQUIRED, THE LANDLORD REQUIRED CONTRACTOR) TO COMPLETE AN INSTALLATION THAT IS COMPLIANT WITH APPLICABLE CODES. INCLUDE SUBMITTALS TO THE JURISDICTION AS REQUIRED TO SECURE PERMIT AND CERTIFICATE OF OCCUPANCY. INCLUDE ALL DESIGN AND JURISDICTIONAL FEES AS REQUIRED FOR THIS WORK.
C.	FIRE SPRINKLER SHOP DRAWINGS MUST BE SUBMITTED TO ESSILOR LUXOTTICA FOR APPROVAL. THE ARCHITECT AND ESSILOR LUXOTTICA PROJECT MANAGER MUST APPROVE THE SHOP DRAWINGS BEFORE ANY INSTALLATION CAN OCCUR. THE DESIGN INTENT OF THE CEILING IS FOR ALL CEILING ELEMENTS TO BE IN ALIGNMENT WITH EACH OTHER, INCLUDING FIRE ALARM DEVICES AND SPRINKLER HEADS. IF FIRE ALARM AND SPRINKLER HEADS ARE INSTALLED WITHOUT THE PROJECT MANAGER OR ARCHITECT'S APPROVAL, THE GENERAL CONTRACTOR IS SUBJECT TO RELOCATING THESE ITEMS, TO ACHIEVE THE DESIRED ALIGNMENT, AT THE GENERAL CONTRACTORS COST.
E-SGH-FP200-REV01	

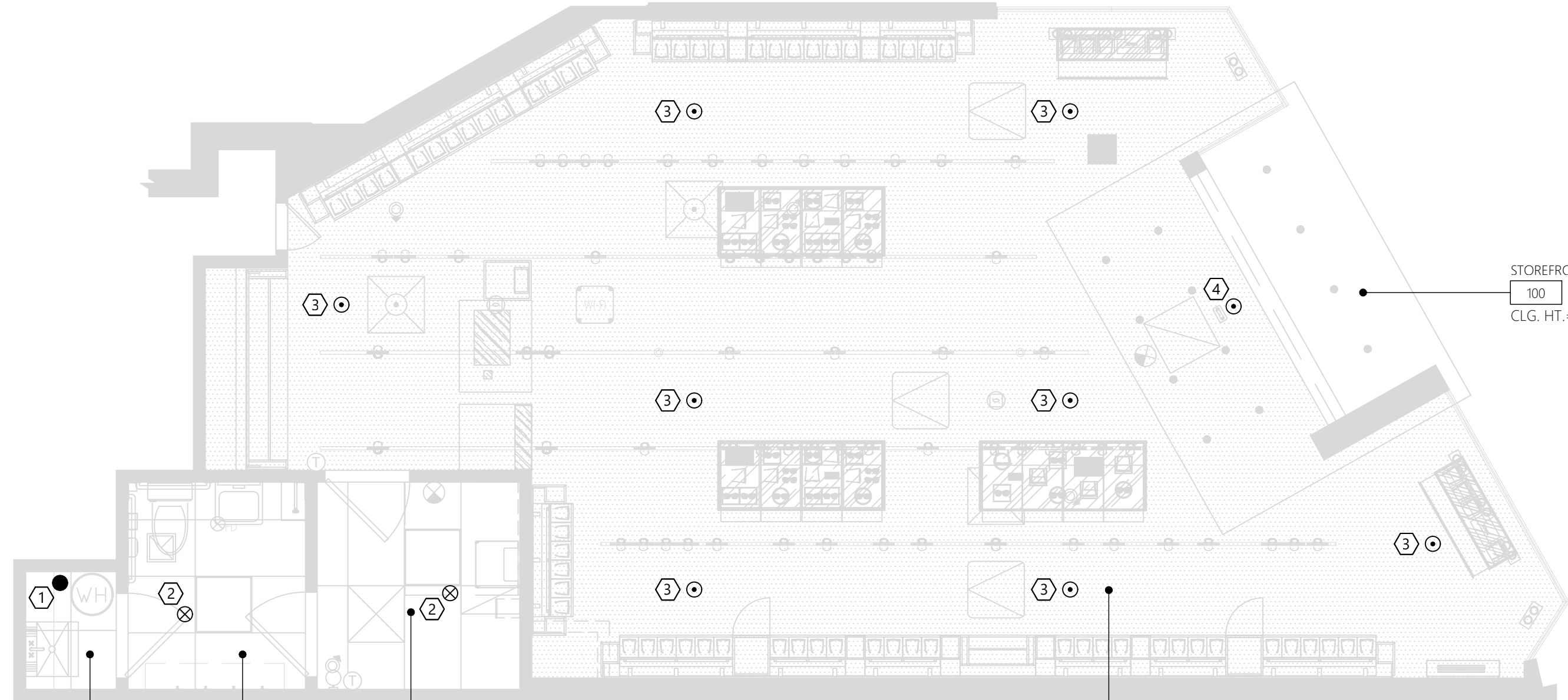
F KEY NOTES - FIRE PROTECTION PLAN	
1.	EXISTING PENDENT SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
2.	EXISTING SEMI RECESSED SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
3.	PROVIDE NEW SPRINKLERS IN SPACE. NOTE PLACEMENT OF HEADS ON THIS PLAN IS FOR UNIFORMITY, STYLE OF HEAD AND CEILING APPEARANCE. FIRE PROTECTION CONTRACTOR HAS THE LATITUDE TO ADJUST THE HEADS WHERE REQUIRED BY CODE OR CALCULATION. WHEN HEADS ARE RELOCATED, MAINTAIN SYMMETRY IN TILES AND IN SOFFITS. ALL WORK IS TO BE COMPLETED BY THE LANDLORD'S SPRINKLER CONTRACTOR AT THE GC'S EXPENSE. SPRINKLER CONTRACTOR TO INCLUDE ALL WORK, INCLUDING BUT NOT LIMITED TO, LANDLORD COORDINATION, SUBMITTALS AND CALCULATIONS, DRAIN DOWNS, ETC., AS REQUIRED TO COMPLETE THE SPRINKLER SYSTEM REVISIONS TO SUPPORT THE NEW SUNGLASS HUT.
4.	EXISTING CONCEALED SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
F-SGH-FP200-REV01	

G KEY NOTES - FIRE PROTECTION DEMOLITION	
1.	EXISTING PENDENT SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
2.	EXISTING SEMI RECESSED SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
3.	DISCONNECT AND REMOVE EXISTING CONCEALED SPRINKLER HEAD IN THIS AREA. RE-WORK PIPING AS REQUIRED FOR NEW LAYOUT.
4.	EXISTING CONCEALED SPRINKLER HEAD AND PIPING TO REMAIN IN THIS AREA.
G-SGH-FP200-REV01	

J LANDLORD NOTES	
1.	SIMON REQUIRES ALL TENANTS TO USE ONE OF LANDLORD'S PRE-QUALIFIED SPRINKLER CONTRACTORS FOR TENANT'S SPRINKLER WORK. TENANT MAY COMPETITIVELY BID TO ONLY THOSE SPRINKLER CONTRACTORS PRE-QUALIFIED BY LANDLORD (CONTACT THE MALL MANAGER OR OPERATIONS DIRECTOR FOR A LIST PRE-QUALIFIED SPRINKLER CONTRACTORS).
2.	THE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DRAWINGS, DOCUMENTATION AND FLOW CALCULATIONS TO THE LOCAL AUTHORITY HAVING JURISDICTION IN ORDER TO OBTAIN ALL PROPER PERMITS.
3.	IF LOCAL FIRE DEPARTMENT AND/OR AHJ DETERMINES ADDITIONAL SPRINKLER HEADS AND FIRE ALARM DEVICES WILL BE REQUIRED BASED ON TENANT IMPROVEMENTS, IT IS THE TENANT'S RESPONSIBILITY TO HIRE THE LANDLORD REQUIRED FIRE ALARM & FIRE SPRINKLER CONTRACTOR FOR THIS WORK. TENANT IS RESPONSIBLE FOR ANY CODE REQUIRED CHANGES OR UPGRADES TO EXISTING CONDITIONS. EXISTING BUILDING MONITORING SYSTEM PULL STATIONS AND HORN/STROBES MUST BE KEPT CLEAR OF ALL OBSTRUCTIONS. TENANT OR ITS GENERAL CONTRACTOR MUST VERIFY EXISTING LOCATIONS, AND MAKE ANY APPLICABLE CHANGES PER THE LOCAL JURISDICTION.
4.	SPRINKLER SYSTEM SHALL BE FULLY CHARGED AND OPERATIONAL WHENEVER CONTRACTOR IS NOT ON SITE.
5.	FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR UPDATING ALL PROGRAMMING OF ADDRESSABLE DEVICES, SYSTEMS, ETC. OF THE NEWLY INSTALLED FIRE ALARM DEVICES TO SATISFY THE REQUIREMENTS OF THE LOCAL AHJ.
6.	FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL DRAWINGS, DOCUMENTATION, BATTERY CALCULATIONS, ETC. TO THE LOCAL AHJ TO OBTAIN ALL NECESSARY PERMITS.
7.	TENANT DISPLAY FIXTURES IN THE RETAIL SPACE AND RACK / SHELVING / STORAGE UNITS IN THE STOCKROOM SHALL BE DESIGNED TO PROVIDE ADEQUATE CLEARANCE FOR THE AUTOMATIC (FIRE) SPRINKLER SYSTEM. NO DISPLAYS OR STORAGE SHOULD EXCEED 12FT AND CEILINGS MUST BE INSTALLED TO PROVIDE A MINIMUM OF 18" OF CLEARANCE BETWEEN THE TOP OF THE STORAGE SYSTEM AND SPRINKLER DEFLECTORS.
8.	TENANT DISPLAYS OR STORAGE HIGHER THAN 12'-0" ARE CLASSIFIED AS "HIGH PILED STORAGE", WHICH REQUIRES HIGH HAZARDOUS AUTOMATIC (FIRE) SPRINKLER PROTECTION DESIGNED PER FM GLOBAL LOSS PREVENTION DATA SHEET AND NFPA REQUIREMENTS FOR THE STORAGE OF "GROUP A PLASTIC" COMMODITIES. HIGH PILED STORAGE ALSO REQUIRES A MINIMUM OF 36" OF CLEARANCE BETWEEN THE TOP OF STORAGE AND SPRINKLER DEFLECTORS.
9.	TENANT SHALL NOT DRILL, WELD, SCREW, SHOOT, AND / OR PENETRATE LANDLORD'S BUILDING STRUCTURE, FLOOR DECK, AND / OR ROOF DECK. TENANT MAY NON-DESTRUCTIVELY ATTACH OR SUSPEND FROM, UTILIZING ALTERNATIVE METHODS OF ATTACHMENT, THE TOP CHORD OF THE JOIST OR THE STRUCTURAL STEEL WHICH EXISTS WITHIN THE PREMISES WITH AN EVALUATION COMPLETED BY THE TENANT'S STRUCTURAL ENGINEER OF THE EXISTING STRUCTURE AND DETERMINATION THAT IT IS SUFFICIENT FOR THE ADDITIONAL LOAD IN ACCORDANCE WITH THE BUILDING CODE THAT HAS BEEN ADOPTED BY THE AUTHORITIES HAVING JURISDICTION (AHJ). REFER TO STRUCTURAL MODIFICATION REQUIREMENTS.
10.	ALL LANDLORD EQUIPMENT, COMPONENT, AND / OR SERVICES FEEDING OTHER TENANT(S) THAT ARE EXISTING IN THE SPACE SHALL REMAIN VISIBLE AND ACCESSIBLE TO THE LANDLORD. TENANT SHALL INSTALL ACCESS PANELS AS REQUIRED TO MAINTAIN ACCESS AND SHALL BE LABELED TO PROPERLY IDENTIFY SYSTEMS. TENANT SHALL COORDINATE LOCATION WITH MALL OPERATIONS TEAM.
PLAN SUBMISSIONS FOR SIMON TENANT IMPROVEMENT PROJECTS MUST BE EMAILED TO GLOBAL RISK CONSULTANTS (GRC) AT SIMONPROJECTS@TUVSUD.COM. THE EMAIL WILL NEED TO INCLUDE THE FOLLOWING INFORMATION IN THE EMAIL SUBJECT LINE: SOUTH HILLS VILLAGE MALL: SIMON TPR - GRC FILE #: 1935-0146 - ROSS PARK MALL, PITTSBURGH, PA IF YOU HAVE QUESTIONS REGARDING THE GRC REVIEW, PLEASE CONTACT: TYLER ESTES, PE, CFPS ACCOUNT ENGINEER/FIRE PROTECTION ENGINEERING MOBILE: 971.412.7171 EMAIL ADDRESS: TYLER.ESTES@TUVSUD.COM	
J-SGH-FP200-REV01	



1 FIRE SPRINKLER - DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"



2 FIRE SPRINKLER - FLOOR PLAN
SCALE: 1/4" = 1'-0"

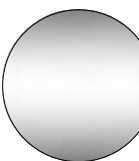
DESIGN & CONSTRUCTION MANAGEMENT:

EssilorLuxottica
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STORE 1818
ROSS PARK MALL
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SUITE: L17
PITTSBURGH, PA 15237

Construction for:

sunglass hut
A Brand of EssilorLuxottica



Revisions:

Mark Date By

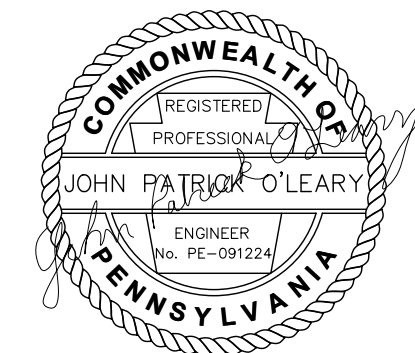
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Engineer of Record



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PROJECT NUMBER: 24-0472

Seal



Architect / Engineer Job No.:

LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number

101228

Brand Design Type: SGH

DESIGN TYPE : SGH (PURE)

ISSUED FOR:

100% PRELIM CONSTRUCTION

100% FINAL (PERMIT, BID) BULLETIN

ADDENDUM

Sheet Name:

FIRE PROTECTION PLANS
(FOR REFERENCE ONLY)

Date

01/28/2026

Drawn By

WNA

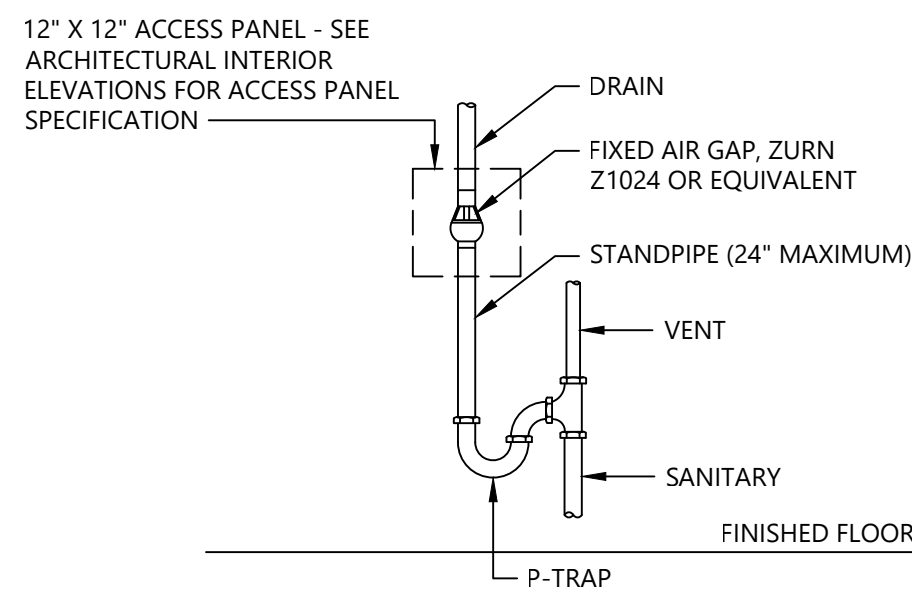
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Sheet No.:

FP200

7 INDIRECT WASTE CONNECTION DETAIL



PD7

PD7-SGH-P001-REV01

C PLUMBING SYMBOLS

	ELBOW UP		WATER METER
	ELBOW DOWN		CIRCULATION PUMP
	VALVE IN DROP		SANITARY PIPING (SAN)
	TEE OUTLET UP		VENT PIPING (V)
	TEE OUTLET DOWN		COLD WATER PIPING (CW)
	UNION		HOT WATER PIPING (HW)
	BALL VALVE		NATURAL GAS PIPING (G)
	PIPE BREAK		EXISTING SANITARY PIPING
	CHECK VALVE		EXISTING VENT PIPING
	CAP		EXISTING COLD WATER PIPING
	WALL CLEANOUT		EXISTING HOT WATER PIPING
	FLOOR CLEANOUT		EXISTING NATURAL GAS PIPING
	P-TRAP		CONNECT TO EXISTING
	FLOOR DRAIN		KEYED NOTE
	TRAP PRIMER		EQUIPMENT TAG

C-SGH-P001-REV02

D GENERAL PLUMBING NOTES

- FIELD VERIFY EXACT CONDITIONS AND ROUTING OF WORK. CONTACT ENGINEER OR ARCHITECT IMMEDIATELY SHOULD ANY CONFLICT ARISE.
- EXISTING PLUMBING 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.
- G.C. TO VERIFY EXISTING CONDITIONS AND COORDINATE CONFLICTS PRIOR TO BIDDING.
- ANYTHING NOT NOTED AS EXISTING IS TO BE FURNISHED AND INSTALLED AS PART OF THIS PROJECT.
- REFER TO DRAWINGS, GENERAL NOTES OF OTHER DISCIPLINES, AND PROJECT SPECIFICATIONS FOR ADDITIONAL PROJECT INFORMATION AND REQUIREMENTS. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THE INFORMATION PRESENTED AND FIELD CONDITIONS.
- PIPING IS NOT PERMITTED IN DEMISING WALLS.
- PRIOR TO ANY ISOLATION OF SYSTEMS, SHUTDOWNS OR DEMOLITION THE G.C. SHALL PROVIDE NECESSARY INVESTIGATION AND NOTIFY THE FACILITIES ENGINEERING/MAINTENANCE PERSONNEL OF WORK TO BE PERFORMED SO AS TO AVOID ANY DETRIMENTAL SHUTDOWN OF SYSTEMS TO ADJACENT SPACES.
- NO PLUMBING OR FIRE PROTECTION PIPING OR EQUIPMENT MAY BE SUPPORTED FROM THE SUSPENDED CEILING SYSTEM, BUT MUST BE INDEPENDENTLY SUPPORTED FROM THE BUILDING STRUCTURE.
- COORDINATE ANY SYSTEM SHUTDOWNS WITH LANDLORD AND INCLUDE COSTS OF SHUTDOWN IN THE BID.
- ALL PLUMBINGS LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE PRIOR TO CONSTRUCTION START. G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M. AT END OF CONSTRUCTION. ALL PLUMBING LINES (SANITARY AND SEWER) TO BE VIDEO RECORDED FOR ANY BLOCKAGE. UPON CONSTRUCTION COMPLETION, G.C. TO SEND VIDEO FOOTAGE TO ESSILOR LUXOTTICA P.M.

D-SGH-P001-REV02

E KEY NOTES - DEMOLITION

- EXISTING WATER HEATER ABOVE CEILING TO REMAIN.
- EXISTING WATER CLOSET TO REMAIN.
- EXISTING FLOOR DRAIN TO REMAIN.
- REMOVE EXISTING LAVATORY. REMOVE EXISTING HOT AND COLD WATER, AND VENT PIPING BACK TO INSIDE WALL AND TEMPORARILY CAP FOR FUTURE CONNECTION. REMOVE EXISTING SANITARY PIPING BACK TO BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- REMOVE EXISTING MOP SINK. TEMPORARILY CAP EXISTING HOT AND COLD WATER, AND SANITARY PIPING FOR FUTURE CONNECTION. TEMPORARILY CAP WATER HEATER DRAIN FOR FUTURE CONNECTION.

E-SGH-P001-REV01

F KEY NOTES - PLUMBING

- EXISTING WATER HEATER ABOVE CEILING TO REMAIN.
- EXISTING WATER CLOSET TO REMAIN.
- EXISTING FLOOR DRAIN TO REMAIN.
- CONNECT NEW 1-1/2" SANITARY PIPING TO EXISTING SANITARY PIPING IN WALL NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
- PROVIDE 1-1/2" SAFEWASTE IN WALL FOR WATER HEATER DRAIN. REROUTE EXISTING DRAIN PIPING WITHIN WALL TO CONNECT TO NEW SAFEWASTE. SEE DETAIL PD7 ON THIS SHEET.
- CONNECT NEW LAVATORY TO EXISTING HOT AND COLD WATER, AND SANITARY PIPING AT WALL SERVING PREVIOUS FIXTURE.
- ROUTE ALL PIPING CONCEALED.
- CONNECT NEW 2" SANITARY PIPING TO EXISTING 2" OR LARGER SANITARY MAIN IN THE AREA AREA. CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION PRIOR TO START OF WORK.
- CONNECT NEW 1-1/2" VENT PIPING TO EXISTING VENT PIPING SERVING PREVIOUS LAVATORY ABOVE CEILING NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
- CONNECT NEW 1/2" HOT AND COLD WATER TO EXISTING HOT AND COLD WATER PIPING SERVING PREVIOUS LAVATORY IN WALL NEAR THIS AREA. CONTRACTOR TO VERIFY EXACT LOCATION PRIOR TO START OF WORK.
- PROVIDE NEW HOT AND COLD SHUTOFF VALVES AT EACH FIXTURE.
- INTERCEPT EXISTING COLD WATER MAIN SERVING THE SPACE AND ROUTE NEW COLD WATER PIPING DOWN WALL TO NEW BACKFLOW PREVENTER. CONTRACTOR TO VERIFY SIZE AND LOCATION OF MAIN.
- NEW BACKFLOW PREVENTER (BFP) INSTALLED MAXIMUM 72" A.F.F.
- ROUTE NEW COLD WATER PIPING FROM BACKFLOW PREVENTER UP TO ABOVE CEILING AND RECONNECT TO EXISTING MAIN SERVING THE SPACE. CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION.

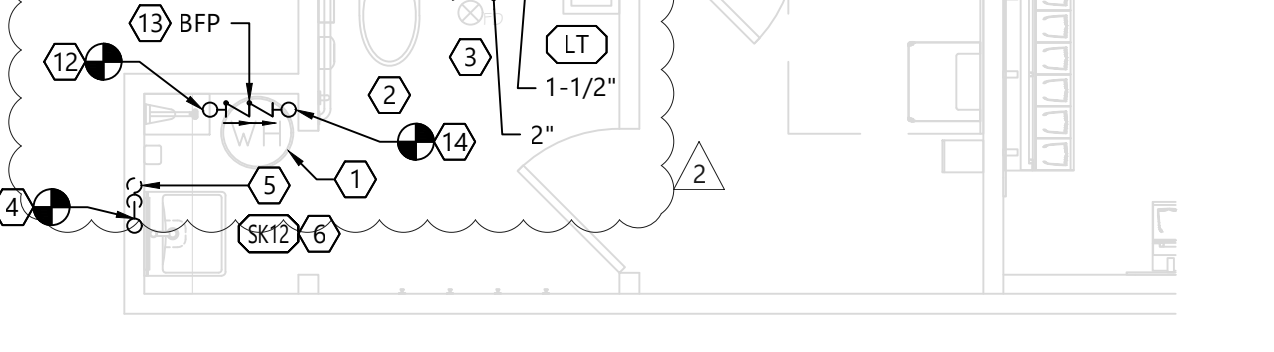
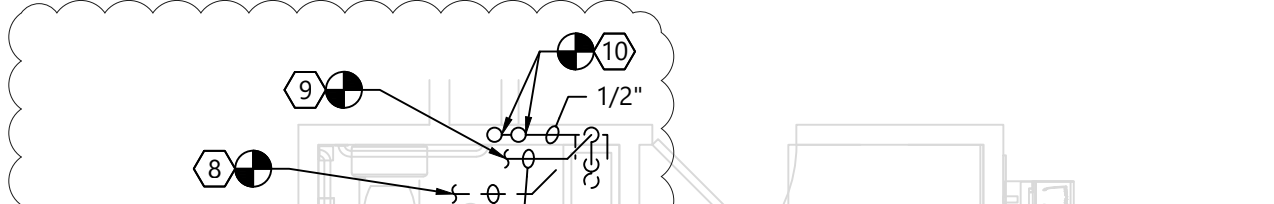
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A PLUMBING SPECIFICATIONS

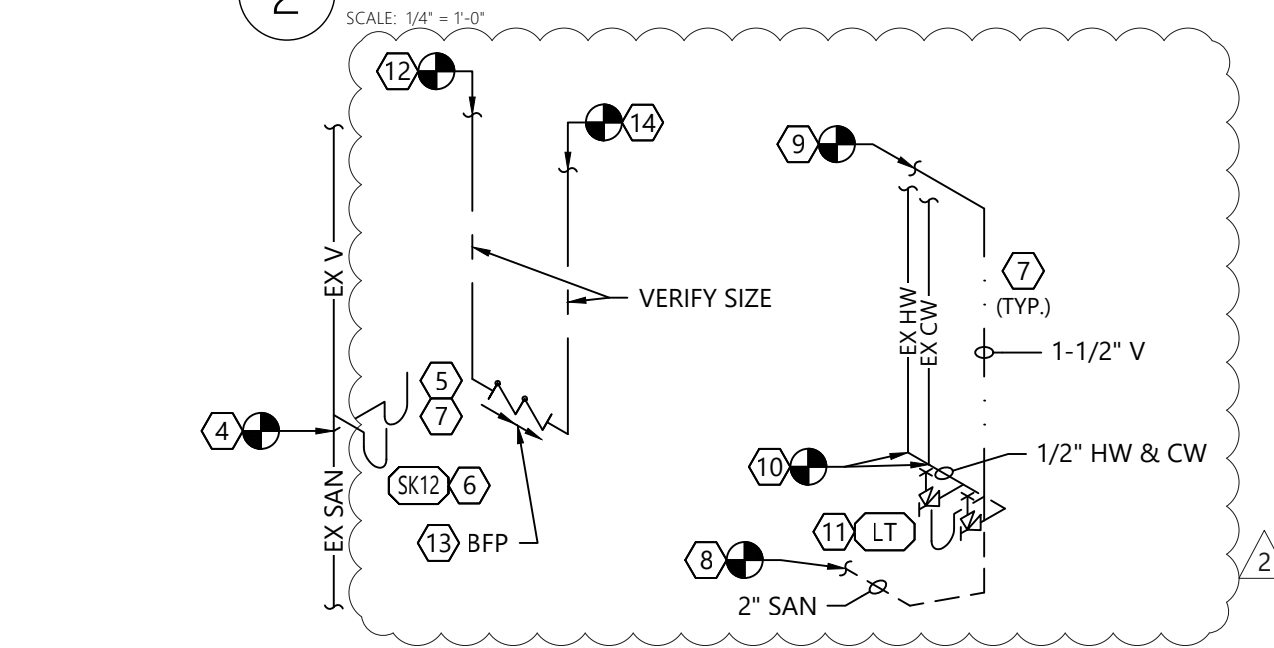
- GENERAL PROVISIONS
 - GENERAL CONDITIONS, CODES & STANDARDS
 - GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) (NSPE/INCE) AND ANY OF THE TENANT'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
 - REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA. FOR ADDITIONAL REQUIREMENTS REGARDING SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
 - ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE TENANT REQUIREMENTS IN ADDITION TO THOSE SPECIFIED.
 - GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.
 - SCOPE OF WORK
 - THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE PLUMBING SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS, ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE TENANT. GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE TENANT A COMPLETE, CODE APPROVED AND OPERATIONAL PLUMBING SYSTEMS.
 - CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO INSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE TENANT BEFORE WORK IS COMMENCED.
 - ALL CONTRACTORS SHALL BE HELD TO HAVE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO ANY CONTRACTOR BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
 - 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.
 - ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE TENANT.
 - THIS GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE FINAL LOCATIONS AND SIZES OF ALL DUCT AND LOUVER OPENINGS SHALL BE PROVIDED BY THIS CONTRACTOR.
 - THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED PLUMBING DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
 - THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL PLUMBING EQUIPMENT, PIPING, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE PLUMBING SYSTEMS FOR THE NEW RENOVATED AREAS.
 - ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR.
 - ALL ABOVE GROUND SERVICES SHALL BE REMOVED BACK TO THEIR RESPECTIVE MAIN AND CAPPED OR IF THE MAIN IS NOT REQUIRED, THE MAIN SHALL BE REMOVED IN ITS ENTIRETY.
 - COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS AND THE ARCHITECT AND THE TENANT'S GENERAL REQUIREMENTS.
 - ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF ACCEPTANCE BY THE ENGINEER AND THE TENANT. WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.
 - DOCUMENTS
 - THE DRAWINGS ARE DIAGRAMMATIC. ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE TENANT.
 - ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
 - THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
 - IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME, BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE TENANT FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
 - THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE METHOD IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL.
 - SUBSTITUTIONS
 - THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASIC LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EXACTLY AS INDICATED.
 - THE GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN WAS BASED. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, FEATURES, ETC. SUPPLIED WITH THE SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID.
 - IF THE GENERAL CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE TENANT SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS.
 - SUBSTITUTIONS AFTER CONTRACT AWARD SHALL NOT BE PERMITTED.
 - MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.
 - COORDINATION
 - GENERAL CONTRACTOR SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION MECHANICAL, ELECTRICAL AND GENERAL TRADE WORK CURRENTLY EXISTING AND WORK WHICH MAY BE INSTALLED PRIOR TO CONTRACT AWARD. RELOCATION OF DUCTWORK, PIPING AND EQUIPMENT, AS REQUIRED, TO AVOID THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
 - GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING SITE BEFORE STARTING ANY FABRICATION OR DOING ANY WORK IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECT AND PROPER MEASUREMENTS OF HIS WORK ALONG WITH RESOLUTIONS FOR ANY CONFLICT OF SPACE WITH OTHER TRADES.
 - WHERE THE WORK OF TWO OR MORE TRADES INTERFERE WITH EACH OTHER AND A DEVIATION FROM DESIGN IS NECESSARY, NEITHER WORK SHALL PROCEED UNTIL THE TENANT HAS BEEN NOTIFIED OF THE CONFLICT AND THEY HAVE RENDERED A DECISION AS TO WHAT CHANGES SHOULD BE MADE.
 - 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.
 - IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AS SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE TENANT TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE WITH THE TENANT'S OPERATIONS.
 - AREAS TO BE USED FOR STORAGE SHALL BE ONLY AS DIRECTED BY THE TENANT. ALL STORED MATERIAL SHALL BE RELOCATED OR REMOVED FROM THE SITE AS DIRECTED BY THE TENANT.
 - DAILY, AND AT THE COMPLETION OF THE WORK, EACH GENERAL CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND DEBRIS CAUSED BY HIS WORK. UPON COMPLETION OF EACH GENERAL CONTRACTOR'S WORK, THE CONDITIONS OF THE SPACE(S) SHALL BE THE SAME AS FOUND PRIOR TO COMMENCEMENT OF THE WORK. FAILURE TO DO SO MAY RESULT IN THE TENANT'S EMPLOYMENT OF A SEPARATE SERVICE TO OBTAIN THIS CONDITION AND REDUCING THE FACTOR'S CONTRACT AMOUNT BY THE COST OF SUCH A SERVICE.
 - EACH GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLECT OF HIS, OR HIS SUB-TRADE'S PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE TENANT BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.
 - METHODS
 - EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. PIPING SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE PIPING. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE TENANT. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
 - EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, CONDUIT OR DUCTWORK, ACCESS TRUCK OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
 - ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING SHALL BE PERFORMED BY THE TENANT'S ROOFING CONTRACTOR AT THE REQUESTING GENERAL CONTRACTORS COST.
 - INSULATION
 - GENERAL
 - INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.
 - CLEAN AND DRY SURFACES PRIOR TO INSULATING.
 - EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
 - INSULATION JACKET AND FITTING COVER MUST BE PLENUM RATED.
 - IT IS ESSENTIAL THAT THE INTEGRITY OF THE VAPOR-BARRIER BE MAINTAINED. SEAL ALL PENETRATIONS OF THE VAPOR BARRIER BY STAPLES, HANGERS OR WHERE OTHERWISE DAMAGED.
 - MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
 - INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.
 - PLUMBING
 - ALL ABOVE GROUND PIPING SHALL BE INSULATED WITH FIBERGLASS PIPING INSULATION WITH AN ALL SERVICE JACKET AND SELF SEALING LAP (AS/SSL).
 - DOMESTIC HOT AND COLD WATER PIPING UP TO 3/4 INCH DIAMETER - 1/2 INCH THICK.
 - FITTINGS AND VALVES SHALL BE INSULATED WITH PRE-MOLDED FIBERGLASS FITTINGS AND COVERED WITH A PRE-FORMED PVC FITTING COVER.
 - PLUMBING
 - THE ENTIRE PLUMBING INSTALLATION, MATERIALS, EQUIPMENT, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE LANDLORD, LOCALLY ENFORCED BUILDING CODE, THE PLUMBING CODE, THE AMERICAN DISABILITIES ACT GUIDELINES, ANSI A117.1 REQUIREMENTS FOR THE PHYSICALLY CHALLENGED AND THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS). GENERAL CONTRACTOR TO VERIFY ALL PLUMBING ROUGH IN DIMENSIONS MEET THE ABOVE NOTED REQUIREMENTS. VERIFY FINAL ROUGH IN WITH ARCHITECT PRIOR TO BACKFILLING OR WALL INSTALLATION.
 - TEST ALL SEWER AND WATER PIPING IN ACCORDANCE WITH LOCAL CODES AND ORDINANCES.
 - FURNISH ACCESS DOORS FOR WALL CLEAN OUTS AND VALVES IN WALLS.
 - ALL FIXTURES AND EQUIPMENT NOT SPECIFIED HERE-IN ARE BEING PROVIDED BY OTHERS. THIS GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ROUGHING IN ALL SERVICES FOR ALL EQUIPMENT WHETHER PROVIDED BY THIS GENERAL CONTRACTOR OR OTHERS. GENERAL CONTRACTOR SHALL COORDINATE HIS INSTALLATION WITH THE APPROPRIATE EQUIPMENT SUPPLIER FOR PROPER ROUGH IN INFORMATION AND SHALL REVISION THE DESIGN AS REQUIRED TO MATCH THE EQUIPMENT BEING SUPPLIED. THIS GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ALL FIXTURES TO THE PLUMBING SYSTEMS INCLUDING BUT NOT LIMITED TO: ALL WATER OR NATURAL GAS CONNECTIONS FROM APPROPRIATE STOP VALVE, ALL DIRECT SANITARY CONNECTIONS, ALL INDIRECT WASTE CONNECTIONS TO FLOOR DRAINS OR SINKS FROM SINKS OR EQUIPMENT, COOLER AND FREEZER COIL CONDENSATE DRAIN PIPING, ETC.
 - FIRE STOPPING - REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE AND UL CONSTRUCTION DESIGN NUMBER. FOR RATED MASONRY WALL AND FLOOR ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER C-AJ-1175. FOR RATED GYPSUM BOARD ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER W-L-1003.
 - PIPING
 - PIPE HANGERS FOR THE PLUMBING SYSTEM SHALL BE ADJUSTABLE CLEVIS HANGERS WITH APPROPRIATE CLAMP. ALL PIPING SHALL BE SUPPORTED ON A MAXIMUM SPACING OF:
 - 6" CENTERS FOR PIPING 3/4" AND SMALLER.
 - 8" CENTERS FOR 1" PIPING.
 - 10" CENTERS FOR PIPING LARGER THAN 1".
 - PIPING ABOVE THE ROOF SHALL BE SUPPORTED PER THE DETAIL ON THE DRAWINGS.
 - PIPE HANGERS FOR INSULATED PIPING SYSTEMS SHALL BE SIZED FOR THE GROSS OUTSIDE DIMENSION OF THE PIPE AND INSULATION. SEE INSULATION SPECIFICATIONS FOR INSULATION REQUIREMENTS.
 - SANITARY AND VENT
 - ALL PIPING SHALL PITCH TO ITS APPROPRIATE MAIN AT NO LESS THAN 1/4" PER FOOT SLOPE.
 - UNDERGROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 DWV-PVC WITH SOLVENT WELD SOCKET FITTINGS UNLESS OTHERWISE RESTRICTED BY LANDLORD OR LOCAL MUNICIPALITIES. PVC SHALL NOT BE USED IN ANY RETURN AIR PLENUM SPACES.
 - ABOVE GROUND WASTE AND VENT PIPING (3" AND LARGER) SHALL BE HUB AND SPIGOT CAST IRON PIPE WITH LEAD AND OAKUM JOINTS AND BE HUNG PER C.I.S.P.I. REQUIREMENTS.
 - DOMESTIC WATER
 - GENERAL CONTRACTOR SHALL COORDINATE WITH THE BUILDING TENANT AND THE LOCAL WATER COMPANY FOR THE INSTALLATION OF A NEW WATER METER. THIS SHALL INCLUDE THE FEES/COSTS AND INSTALLATION OF A NEW WATER METER AS SHOWN ON THE PLANS AND THE ASSOCIATED REMOTE READER. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL WATER COMPANY. LOCATE REMOTE READER AT BUILDING TENANT'S AND WATER COMPANY'S DIRECTION.
 - TEST WATER PIPING TO HYDROSTATIC PRESSURE OF 100 PSIG. FOR TWO HOURS. STERILIZE ALL DOMESTIC WATER PIPING IN ACCORDANCE WITH A WWA STANDARDS.
 - ABOVE GROUND WATER PIPING 3" AND SMALLER, SHALL BE TYPE "L" HARD DRAWN COPPER PIPE WITH WROUGHT COPPER FITTINGS AND 95-5 SOLDERED JOINTS. AS AN ALTERNATE THE GENERAL CONTRACTOR MAY UTILIZE COPPER PIPING FITTINGS (PRESSURE SYSTEM) AS MANUFACTURED BY VIEGA. FITTINGS SHALL CONFORM TO THE MATERIAL AND SIZING REQUIREMENTS OF ASME B16.18 OR ASME B16.22. O-RINGS FOR FITTINGS SHALL BE EPDM. INSTALLATION OF FITTINGS SHALL CONFORM TO CODE AND THE MANUFACTURER'S SPECIFICATIONS REQUIREMENTS. WATER PIPING JOINTS BETWEEN DIFFERENT MATERIALS SHALL BE PER THE LOCALLY ENFORCED PIPING CODE SECTION 605.22.
 - DOMESTIC WATER VALVES SHALL BE MILWAUKEE VALVE #8A-100 OR #8A-150 BALL VALVE. ALL VALVES SHALL BE LEAD-FREE.

A-SGH-P001-REV03

1 MECHANICAL - PLUMBING DEMOLITION



2 MECHANICAL - PLUMBING



A PLUMBING ISOMETRIC



G PLUMBING EQUIPMENT SCHEDULE

GENERAL NOTE: FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

ITEM	MARK	DESCRIPTION	MANUF.	MODEL # / COLOR	REMARKS
LAVATORY	SK12	WALL HUNG, WHITE VITREOUS CHINA LAVATORY, SINGLE HOLE, CENTER SET, ACRYLIC KNEE SHROUD, ADA COMPLIANT with DELTA MANUAL FAUCET	AMERICAN STANDARD & DELTA	SINK: AMERICAN STANDARD DECORUM 9134001EC, WHITE, SINGLE HOLE, WALL MOUNTED FAUCET: DELTA 559F-SSPP and 0.5 GPM AERATOR	COORDINATE WITH MANUFACTURER FOR FIXTURE SUPPORT AND PROVIDE. INSTALL THERMOSTATIC MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1 (WATTS OR EQUAL).
VALVES	TMV-1	THERMOSTATIC MIXING VALVE	SYMMONS	C-225-CK "MAXLINE"	CERTIFIED TO MEET ANSI/ASSE 1070 AND LOW LEAD REQUIREMENTS OF WETTED SURFACE AREA CONTAINING LESS THAN .25% LEAD BY WEIGHT
LAUNDRY TUB	LT	FREE STANDING STAINLESS STEEL SINK, 2" DRAIN	EMPURA STAINLESS, T&S BRASS, & FIAT	TUB: EB18101410, FAUCET: T&S BRASS B-1115 W/B-GFE AERATOR ADAPTER & B-0972 VACUUM BREAKER PROVIDE 30" HOSE & BRACKET: FIAT #832-AA, & MOP HANGER: FIAT #889-CC	COORDINATE LOCATION OF MOP HOLDER.
BACKFLOW PREVENTER	BFP	DOUBLE CHECK VALVE ASSEMBLY W/SHUTOFF VALVES	WATTS	LF007	CERTIFIED TO MEET ASSE 1015 AND LOW LEAD REQUIREMENTS OF WETTED SURFACE AREA CONTAINING LESS THAN .25% LEAD BY WEIGHT

G-SGH-P001-REV02

B RESPONSIBILITY SCHEDULE (PLUMBING)

DIVISION	REV	DATE	BY	CHECKED BY	REMARKS	REVISIONS	
						DATE	BY
DIVISION 15000 - PLUMBING							
ACCESS PANELS	GC	GC	GC				COORDINATE WITH ARCHITECT FOR SIZE AND LOCATION.
ROOF WORK	N/A	N/A	N/A				
PLUMBING FIXTURES	GC	GC	GC				PROVIDE NEW WHERE NOTED. SEE THIS SHEET FOR SCOPE OF WORK
DRAINS / FAUCETS	GC	GC	GC				PROVIDE NEW WHERE NOTED. SEE THIS SHEET FOR SCOPE OF WORK.
FLOOR DRAINS / PIPING / SUPPORTS	GC	GC	GC				
WATER AND SEWER CONNECTION	GC	GC	GC				SEE THIS SHEET FOR SCOPE OF WORK.
WATER HEATER							EXISTING TO REMAIN.
WATER METER	N/A	N/A	N/A				
GAS METER	N/A	N/A	N/A				
GAS PIPING AND SUPPORTS	N/A	N/A	N/A				
WATER COOLER AND/OR DRINKING FOUNTAIN	N/A	N/A	N/A				
CAMERA / VIDEO OF EXISTING SANITARY LINES	GC	GC	GC				FOOTAGE TO BE SENT TO LUXOTTICA P.M. AT START OF JOB AND UPON COMPLETION OF JOB.

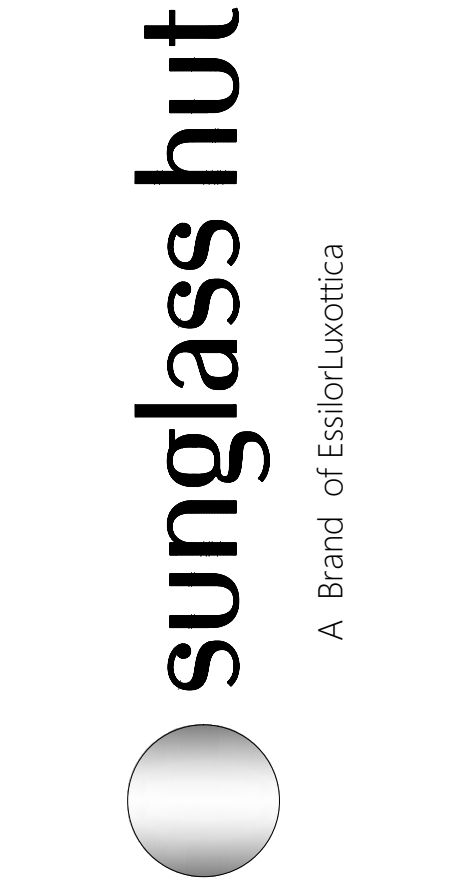
B-SGH-P001-REV01

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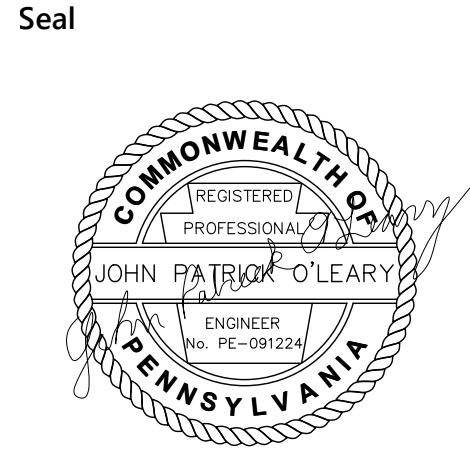


Revisions:

Mark	Date	By
△	02/20/2026	SA
△		ACCESSIBILITY PLAN REVIEW#1
△	03/31/2026	SA
△		PLUMBING PLAN REVIEW
△		
△		
△		
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△		
△		

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Architect / Engineer Job No.: LUX 26

EssilorLuxottica DD Set Layout No.:

REV 10

EssilorLuxottica Project Number 101228
Brand Design Type: SGH
DESIGN TYPE : SGH (PURE)
ISSUED FOR:
□ 100% PRELIM □ CONSTRUCTION
□ 100% FINAL (PERMIT, BID) □ BULLETIN
□ ADDENDUM
Sheet Name:

PLUMBING DETAILS

Date 04/06/2026 Sheet No.:
Drawn By WNA
Checked By JPO
P001