Drawings for:

LENSCRAFTERS

A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

SUMMITWOODS CROSSING
LEE'S SUMMIT, MISSOURI

1 GENERAL NOTES

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

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

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

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

E. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INDICATE ON THESE PLANS ALL APPROVED CHANGES TO THE WORK. THIS SET OF DRAWINGS SHALL BE UPLOADED VIA PROJECT READY IN PDF FORMAT TO THE NEXTORE PROJECT MANAGER UPON COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE MARKED UP TO REPRESENT A COMPLETE AND ACCURATE SET OF "AS-BUILT" DRAWINGS. ANY AND ALL CHANGES SHALL BE NOTED ON SAID PLANS. PROVIDE MARKED UP PLANS TO NEXTORE PROJECT MANAGER AT PUNCH.

F. IF ANY ERRORS, DISCREPANCIES OR OMISSIONS APPEAR OR ARE EVIDENT ON ANY OF THE DOCUMENTS, THE GENERAL CONTRACTOR, SUBCONTRACTOR, VENDOR OR SUPPLIER SHALL IMMEDIATELY NOTIFY THE NEXTORE PROJECT MANAGER.

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

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

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

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

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

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

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

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

O. THE GENERAL CONTRACTOR SHALL MAINTAIN EGRESS AT ALL TIMES DURING STORE OPERATION / CONSTRUCTION.
P. THE GENERAL CONTRACTOR SHALL COORDINATE CONSTRUCTION TIMES AND NOISE REQUIREMENTS WITH LANDLORD PRIOR TO CONSTRUCTION START, NO EXTRA COSTS WILL BE ALLOWED TO ACCOMMODATE ANY RESTRICTIONS OR LIMITATIONS.

Q. UPON COMPLETION OF CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CLEAN ALL SURFACES / FIXTURES PER MANUFACTURER'S INSTRUCTIONS AND TO EMPLOY THE SERVICES OF A PROFESSIONAL CLEANING COMPANY TO ASSURE DELIVERY TO THE TENANT OF AN ABSOLUTELY CLEAN STORE. (2) CLEANINGS REQUIRED. (1) PRIOR TO PUNCH & (1) AT TURNOVER. THE FINAL CLEANING IS TO BE PERFORMED NO MORE THAN ONE DAY PRIOR TO THE TURN OVER. IF AN UNTIDY STORE IS TURNED OVER, NEXTORE RESERVES THE RIGHT, WITHOUT NOTICE TO THE GENERAL CONTRACTOR, TO EMPLOY PROFESSIONAL CLEANING SERVICES AND DEDUCT THE COST PLUS 15% FROM THE BALANCE OF THE GENERAL CONTRACTOR.

R. THE GENERAL CONTRACTOR SHALL PROVIDE PROTECTIVE COVERING FOR ALL EQUIPMENT, FINISHES, MERCHANDISE, CARPET, ETC., INCLUDING THE WORK OF OTHERS, THROUGHOUT THE DURATION OF THE PROJECT.

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

T. THE GENERAL CONTRACTOR SHALL INSTALL A LANDLORD AND CODE COMPLIANT TEMPORARY BARRICADE AS REQUIRED BY THE LANDLORD OR NEXTORE PROJECT MANAGER, UNLESS THE PLANS SPECIFICALLY CALL OUT FOR THIS WORK TO BE BY OTHERS.

U. GENERAL CONTRACTOR SHALL INSTALL A TEMPORARY ENTRANCE WITH DOORS, FRAMES AND LOCKS, UNLESS THE PLANS SPECIFICALLY CALL OUT FOR THIS WORK TO BE BY OTHERS.

V. ALL CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES, THE LANDLORD'S TENANT DESIGN CRITERIA, THE LANDLORD'S CONSTRUCTION RULES AND REGULATIONS, NEXTORE STANDARD SPECIFICATIONS, NEXTORE'S STANDARD CONSTRUCTION CRITERIA AND ACCEPTED BEST CONSTRUCTION PRACTICES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO FILE ANY NEEDED "NOTICE OF COMMENCEMENT" OR OTHER FILINGS RELATED TO THE PROJECT IN THE APPROPRIATE OFFICES AND SHALL BE RESPONSIBLE TO POST SUCH NOTICES AT THE JOB SITE.

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

X. THE GENERAL CONTRACTOR SHALL, PRIOR TO BEGINNING ANY WORK, COORDINATE WITH THE LANDLORD OR ANY AUTHORITY HAVING JURISDICTION, AND BEAR THE COSTS FOR, ALL EXPLORATIONS / X-RAYS REQUIRED FOR CUTTING/CORING OF THE SLAB OR EXCAVATING.

Y. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL THEIR WORK AND THE WORK OF THEIR SUBCONTRACTORS WITH THE STRUCTURE AND SHELL BUILDING ELEMENTS. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY THE NEXTORE PROJECT MANAGER OF ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND THE BUILDING SHELL.

Z. THE GENERAL CONTRACTOR SHALL PROVIDE ALL FIRE EXTINGUISHERS, CONCEALED BLOCKING AND SIGNAGE FOR SAME AS REQUIRED. QUANTITIES, SIZES AND LOCATIONS SHOWN IN THE DRAWINGS ARE ONLY SUGGESTED QUANTITIES, SIZES AND LOCATIONS, THE MOST STRINGENT REQUIREMENT OF ANY BODY HAVING JURISDICTION SHALL PREVAIL.

AA. THE GENERAL CONTRACTOR SHALL DESIGN, INSTALL, LOCATE, RELOCATE, RECONFIGURE THE FIRE SPRINKLER AND FIRE ALARM SYSTEMS AS REQUIRED BY THE INTENT OF THESE CONSTRUCTION DOCUMENTS OR ANY CODE OR BODY HAVING JURISDICTION OVER THE WORK. ALL FIRE SPRINKLER AND FIRE ALARM SYSTEM WORK SHALL BE 'DESIGN BUILD' BY THE GENERAL CONTRACTOR, UNLESS CALLED OUT TO BE PERFORMED SPECIFICALLY BY OTHERS IN THE DOCUMENTS (SEE FIRE SPRINKLER SYSTEM / FIRE ALARM SYSTEM NOTES. GC TO COORDINATE WITH LANDLORD REQUIRED VENDOR.

AB. THE GENERAL CONTRACTOR SHALL, WITHOUT EXCEPTION, PROVIDE AND INSTALL ANY AND ALL DUST PROTECTION, REQUIRED DURING CONSTRUCTION.

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

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

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

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

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

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

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

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

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

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

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

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2 GENERAL CONTRACTOR NOTES

1. BUILDING PERMIT AND CERTIFICATE OF OCCUPANCY:
   - A. THE GC SHALL CONTACT THE NEXTORE P.M. OR THE PERMIT EXPEDITOR TO SECURE THE PERMIT. PERMIT SHALL BE MOUNTED IN A VISIBLE, LOCATION AT THE SITE. PERMITS SHALL BE PAID FOR BY THE GC AND SUBMITTED TO TENANT AS A NET COST.
   - B. THE GC SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS.
   - C. THE GC SHALL DETERMINE IF THE INSPECTORS WILL BE CHECKING LAB / LENS PROCESSING ROOM EQUIPMENT FOR UL OR ETL LABELS AND NOTIFY THE CONSTRUCTION MANAGEMENT TEAM NO LATER THAN 4 WEEKS BEFORE "PUNCH".
   - D. IF REQUIRED, A "TEMPORARY C OF O" OR BUILDING DEPARTMENT APPROVAL SHALL BE RECEIVED TO SET DOWN EQUIPMENT.

2. DIMENSIONS:
THE WORD 'HOLD' REFERS TO A CRITICAL DIMENSION AND MUST BE ADHERED TO. IF THESE DIMENSIONS CAN NOT BE MET, SUBMIT IN WRITING & CALL NEXTORE P.M. FOR DIRECTION.

3. ON-SITE COMMUNICATION:
   - A. THE GC SHALL CONTACT THE NEXTORE P.M. TO RESOLVE ALL FIELD ISSUES.
   - B. GC TO HAVE CELL PHONE WITH VOICEMAIL CAPABILITIES.
   - C. GC TO HAVE LAPTOP ON SITE WITH WIFI CAPABILITIES.
   - D. GC TO HAVE PRINTER ON SITE.

4. CHANGE ORDERS:
NO ADDITIONAL COSTS OR DESIGN CHANGES WILL BE ACCEPTED WITHOUT THE WRITTEN APPROVAL OF THE NEXTORE P.M. AND THE EXECUTION OF THE NEXTORE CHANGE ORDER PROCEDURE, PRIOR TO THE COMMENCEMENT OF SUCH WORK. CHANGE ORDER WORK COMPLETED WITHOUT SIGNED APPROVAL TO DO SAME, IS DONE SO AT THE GC'S RISK.

5. SUBCONTRACTOR COORDINATION:
THE GC MUST BE PRESENT AT ALL TIMES FOR THE DURATION OF CONSTRUCTION. THE GC SHALL GIVE SUBCONTRACTORS APPROPRIATE NOTICE BEFORE REQUIRING THEM ON SITE, COORDINATE INSTALLATION DATES, AND COMMUNICATE SITE SPECIFIC DETAILS. THE GC SHALL COORDINATE THE INSTALLATION SCHEDULE AND DIVISION OF WORK WITH THE NEXTORE P.M. SUBCONTRACTORS SHOULD CONTACT THE GC FOR SCHEDULE CLARIFICATIONS.

MILLWORK / CASEWORK: GC SHALL COORDINATE CRITICAL DIMENSIONS PRIOR TO WALL CONSTRUCTION AND HAVE THE AREA READY PRIOR TO FIXTURE DELIVERY. READY SHALL BE DEFINED AS FLOORING DOWN THRU-OUT THE RETAIL AND OPTOMETRIC DOCTOR (OD) RECEPTION, LIGHTING SOFFITS BUILT OUT, DRYWALLED, FINISHED, PAINTED AND LIGHTING FIXTURES INSTALLED, ALL WALLS IN THE RETAIL AND OD RECEPTION MUST BE FINISHED AND PAINTED, ALL ELECTRICAL AND MECHANICAL ROUGH-OUTS MUST BE COMPLETED, STORE MUST BE SECURED FROM THE OUTSIDE. ONCE THE PRE-CONSTRUCTION MILLWORK DROP / INSTALL DATE HAS BEEN ESTABLISHED, ANY CHANGES TO THE ESTABLISHED DATE MUST BE COMMUNICATED AT LEAST 7 DAYS PRIOR.

6. DATA-POS / PHONES:
   - A. NEW T.I. & RELO STORES: BACKBOARD TO BE INSTALLED WITHIN 7 CALENDAR DAYS OF THE CONSTRUCTION START DATE. ACCESS TO BACKBOARD SHALL BE AFFORDED TO ALL TENANT VENDORS. TELEPHONE, ELECTRIC AND DATA CABLING INSTALLED ONE WEEK BEFORE "PUNCH" FOR HARDWARE INSTALLATION AND TESTING. CONTACT NEXTORE P.M. IF NEEDED.
   - B. REMODEL STORES: GC TO COORDINATE ALL TEMPORARY AND PERMANENT DATA AND PHONE CABLING DURING THE OPEN REMODEL. KEEPING STORE POS AND PHONE SYSTEMS ON LINE AND ACTIVATED AT ALL TIMES. COORDINATE WORK WITH TENANT LOW VOLTAGE VENDOR.

7. ELECTRICAL AND LIGHTING DELIVERIES
GC SHALL BE RESPONSIBLE FOR THE COORDINATION OF DELIVERIES, FOR THE OFF-LOADING OF SAME, AND TO VERIFY / REPORT ANY DAMAGE AND FOR THE SAFE STORAGE OF ALL MATERIALS RECEIVED. THE GC SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

8. METER INSTALLATION (WATER / ELECTRIC / GAS):
UTILITY ACCOUNT TRANSFER / SETUP (FOR CORPORATE NEW AND RELOCATION STORES ONLY):
GC SHALL CONTACT THE NEXTORE RETAIL STORE MAINTENANCE HOTLINE (513)765-3500 UPON ARRIVAL AT THE SITE. GC WILL NOT BE RESPONSIBLE FOR ANY UTILITY COSTS DURING CONSTRUCTION. GC TO CONTACT NEXTORE TO CONVERT METERS TO NEXTORE NAME IMMEDIATELY UPON CONSTRUCTION START UP. GC TO PROVIDE THE FOLLOWING INFORMATION WHEN CALLING:
   - A. STORE ADDRESS AND SPACE #
   - B. UTILITY COMPANY (S) NAME AND PHONE # (I.E., GAS, ELECTRIC, WATER AND POSSIBLY SEWER)
   - C. METER AND SOCKET # (IF USED)
   - D. EXPECTED "PUNCH" DATE (TIMING FOR NEW INSTALLATION OR UTILITY ACCOUNT TRANSFER WILL BE EXECUTED ON/OR BEFORE THE "PUNCH" DATE).

9. TURNOVER PROCEDURE:
   - A. THE GC SHALL CALL THE THE NEXTORE P.M. TO CONFIRM THE TURNOVER DATE NO LATER THAN 10 WORKING DAYS BEFORE TURNOVER.
   - B. ALL CONSTRUCTION ITEMS, INCLUDING ITEMS ON THE INSTALLATION SCHEDULE ARE TO BE COMPLETED BEFORE TURNOVER DAY.
   - C. THE GC AND NEXTORE P.M. TO CONDUCT THE PUNCH WALKTHROUGH, NOTING ALL DEFICIENCIES AND TIMING FOR RESOLUTION.
   - D. A "SUBSTANTIAL COMPLETION" DOCUMENT WILL BE DISTRIBUTED TO THE GC. THE GC SHALL REMAIN ON SITE UNTIL ALL "PUNCH LIST" ITEMS ARE COMPLETE AND THE NEXTORE PM HAS APPROVED ITEMS CONFIRMING COMPLETION OF THE "PUNCH LIST" BY GC.
   - E. A COPY OF THE "CONFIRMED COMPLETION OF PUNCH LIST" WILL BE GIVEN TO THE NEXTORE P.M. BY THE GC.

10. SETDOWN FOR NEW CORPORATE STORES:
NEXTORE'S NEW STORE TEAM WILL DELIVER ALL REMAINING OWNER FURNISHED ITEMS TO THE STORE ON THE EVENING OF "TURNOVER" DAY. THE GC SHALL BE ON SITE ON THE DAY AFTER "TURNOVER", WITH ONE (1) PLUMBER AND ONE (1) ELECTRICIAN TO ASSIST THE SETDOWN TEAM TO RESOLVE ANY ISSUES. THE GC SHALL SUPPLY DUMPSTER FOR REMOVAL OF SETDOWN DEBRIS.

11. SOUND SYSTEM:
   - A. THE GC SHALL BE RESPONSIBLE TO CONTACT NEXTORE PROJECT MANAGER 4 WEEKS PRIOR TO THE SCHEDULED DATE TO ARRANGE FOR INSTALLATION.
   - B. REMODELS AND RELOCATIONS: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, STORAGE AND REINSTALLATION OF SYSTEM (INCLUDING CD PLAYERS AND SPEAKERS) AT NEXTORE STORES DURING DURATION OF CONSTRUCTION.

12. SECURITY ALARM TRANSFER/MODIFICATION
   - A. ALARM TRANSFER / MODIFICATION - GC SHALL CONTACT THE SECURITY VENDOR DURING ANY POINT IN CONSTRUCTION THE GC DETERMINES THEY WILL NEED TO DISABLE OR RELOCATE ANY ALARM SYSTEM COMPONENTS. GC SHALL AWAIT INSTRUCTIONS FROM THE "NEXTORE SECURITY LIAISON" BEFORE TAKING ANY ACTION ON THE SECURITY SYSTEM.
   - B. CAMERAS - GC SHALL CONTACT THE "NEXTORE LOSS PREVENTION MANAGER" TO COORDINATE THE REINSTALLATION OF SECURITY CAMERAS ON REMODEL OR RELOCATION STORES THAT ALREADY HAVE CAMERAS IN PLACE AND ARE BEING DISTURBED DURING CONSTRUCTION.

13. AIR BALANCE REPORTS:
G.C. RESPONSIBLE TO OBTAIN CERTIFIED AIR BALANCING REPORT FROM A VENDOR INDEPENDENT FROM THE HVAC CONTRACTOR.

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3 LANDLORD NOTES

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4 JOB SITE ADDRESS

NAME	LENSCRAFTERS
STREET ADDRESS	1700 NW CHIPMAN RD, SPACE M-6B
CITY, STATE, ZIP	LEE'S SUMMIT, MO 64081

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5 JURISDICTION

DEPARTMET	DEVELOPMENT SERVICES
STREET ADDRESS	220 SE GREEN LEE'S SUMMIT
CITY, STATE, ZIP	LEE'S SUMMIT, MO 64063
PHONE	816-989-1200

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6 LANDLORD'S ADDRESS

LANDLORD	RED DEVELOPMENT, LLC
SR. TENANT COORD.	DUSTIN CLEVELAND
STREET ADDRESS	ONE EAST WASHINGTON STREET, SUITE 300
CITY, STATE, ZIP	PHOENIX, AZ 85004
PHONE	480-556-7732
EMAIL	DCLEVELAND@REDDEVELOPMENT.COM

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7 STORE INFO.

STORE CONTACT 3	SUMMITWOODS CROSSING
STREET ADDRESS	1752 NW CHIPMAN RD, SPACE M-6B
CITY, STATE, ZIP	LEE'S SUMMIT, MO 64081
PHONE	

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8 CODE INFORMATION

CONSTRUCTION TYPE:	II B NON-COMBUSTIBLE 1
PROJECT OCCUPANCY:	M (MERCANTILE) [3,293 SQ. FT.]
BUILDING:	2018 INTERNATIONAL BUILDING CODE
MECHANICAL:	2018 INTERNATIONAL MECHANICAL CODE
FIRE:	2018 INTERNATIONAL FIRE CODE
PLUMBING:	2018 INTERNATIONAL PLUMBING CODE
ELECTRICAL	2017 NATIONAL ELECTRICAL CODE
ENERGY:	N/A
ACCESSIBILITY CODE:	ICC/ANSI A117.1-2009
ADDITIONAL CODES	AMENDMENTS: ORDINANCE #8536/#8537

SPRINKLERED: YES
FIRE ALARM: YES
FIRE EXTINGUISHERS: YES

OCCUPANT LOAD: TABLE 1004.5 GROSS LEASE AREA 3,293 SQ. FT.

RETAIL STORE	AREA	OCCUPANCY	
100 RETAIL SALES AREA	1,763 SQ. FT.	60 SQ. FT. / PERSON	= 29.4
106 OD CORRIDOR	218 SQ. FT.	60 SQ. FT. / PERSON	= 3.63
108 EMPLOYEE AREA (BOH)	68 SQ. FT.	300 SQ. FT. / PERSON	= 0.27
109 ELECTRICAL ROOM	52 SQ. FT.	300 SQ. FT. / PERSON	= 0.17
110 UNISEX TOILET ROOM #2	55 SQ. FT.	60 SQ. FT. / PERSON	= 0.92
111 UNISEX TOILET ROOM #1	55 SQ. FT.	60 SQ. FT. / PERSON	= 0.92
112 ALCOVE	67 SQ. FT.	150 SQ. FT. / PERSON	= 0.45
113 URGENT CARE LAB	157 SQ. FT.	300 SQ. FT. / PERSON	= 0.52
SUBTOTAL A:	2,435 SQ. FT.	OCCUPANT LOAD:	36.28

OPTOMETRY	AREA	OCCUPANCY	
101 OD RECEPTION AREA	182 SQ. FT.	60 SQ. FT. / PERSON	= 3.03
102 CONTACT LENS	113 SQ. FT.	100 SQ. FT. / PERSON	= 1.13
103 PRETEST #1	134 SQ. FT.	100 SQ. FT. / PERSON	= 1.34
104 EXAM #1	145 SQ. FT.	100 SQ. FT. / PERSON	= 1.45
105 FUTURE EXAM	145 SQ. FT.	100 SQ. FT. / PERSON	= 1.45
107 BUSINESS OFFICE	66 SQ. FT.	100 SQ. FT. / PERSON	= 0.66
PERIMETER WALLS	73 SQ. FT.	N/A SQ. FT. / PERSON	= 0
SUBTOTAL B:	940 SQ. FT.	OCCUPANT LOAD:	9.06

A+B SUBTOTAL:	3,293 SQ. FT.	45.34 OCCUPANTS
LEASE SPACE TOTALS:	3,293 SQ. FT.	46 OCCUPANTS

EGRESS WIDTH PER OCCUPANT: 0.2 INCHES PER PERSON
1.) EGRESS COMPONENTS SPRINKLERED
0.2 INCHES PER OCCUPANT x 46 OCCUPANTS = 9.2 INCHES (REQUIRED)
2.) ACTUAL WIDTH PROVIDED:
THROUGH ENTRY (1) PAIR 3'-0" DOORS = 68" CLEAR
THROUGH REAR DOOR (1) 3'-0" DOOR = 34" CLEAR

TABLE 1006.2.1 SPACES WITH ONE EXIT ACCESS DOORWAY.
"M" 49 Occupants
TABLE 1006.3.2 MINIMUM NUMBER OF EXITS: 1-500 Occupants / 2 Exits required

1007.1.1 (2) TWO EXIT ACCESS DOORWAYS: Where sprinklered Not located less than one-third of the overall diagonal dimension of the area being served.
TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:
(M) 250 feet sprinklered / (B) 300 feet sprinklered

1018.3 AISLE SPACING (M&B) 44" min.

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

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

PLUMBING FIXTURES: (47 OCCUPANTS: 24 FEMALE, 23 MALE)

PLUMBING FIXTURES: MERCANTILE OCCUPANCY		REQUIRED	PROVIDED
WATER CLOSETS:	1/500 MALE	1	1
	1/500 FEMALE	1	1
LAVATORIES:	1/750 MALE	1	1
	1/750 FEMALE	1	1
DRINKING FOUNTAIN:		1	2
SERVICE SINK:		1	1

AS PER IPC TABLE 403.1 FOR MERCANTILE CLASSIFICATION

LANDLORD REQUIREMENTS:

REQUIRED SUBMITTALS
1. SIGN SHOP DRAWINGS

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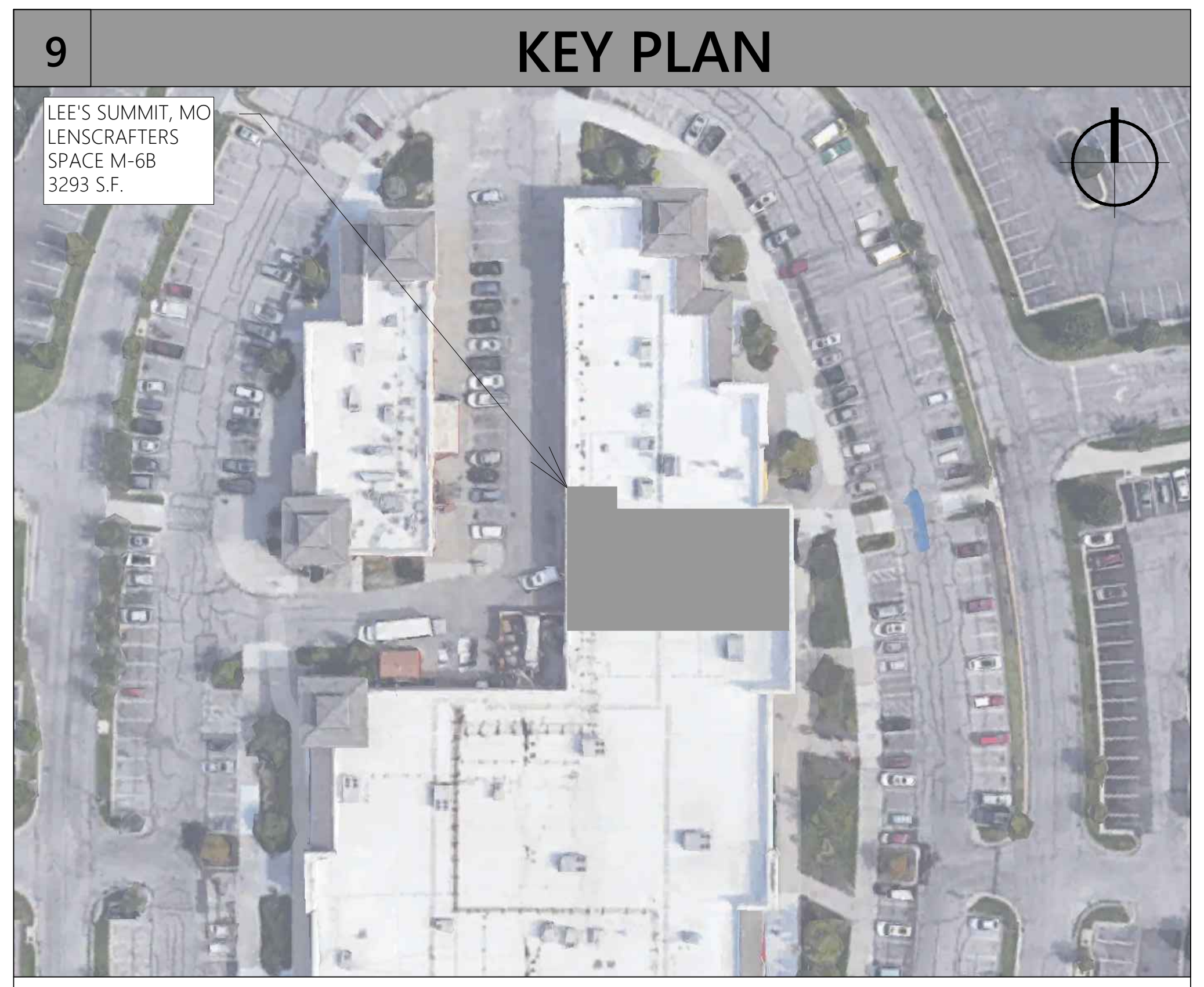
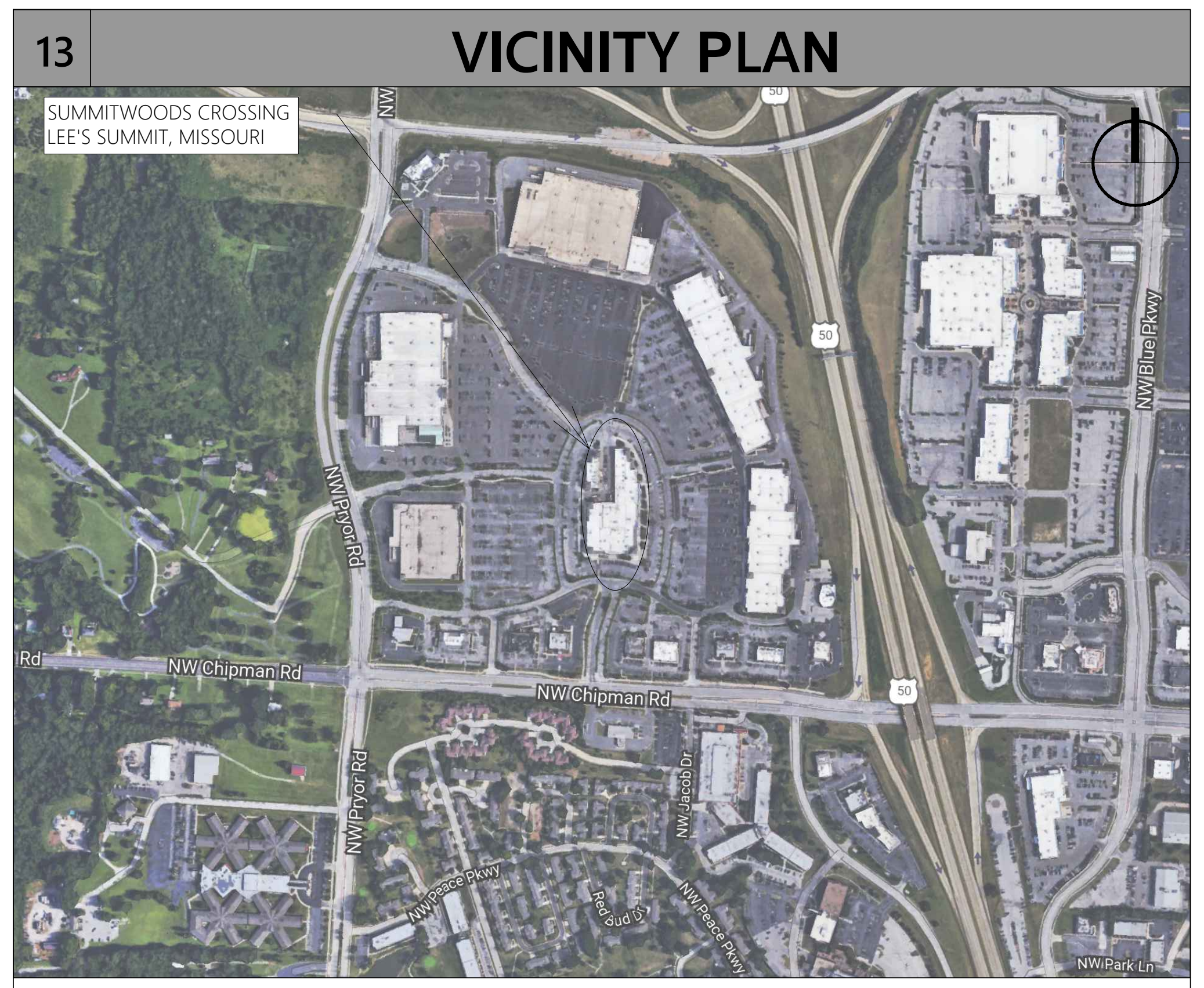
9 KEY PLAN



9-LC05-G001-REV00

13 VICINITY PLAN



13-LC05-G001-REV00

10 PROJECT DIRECTORY

NEXTORE
6 CREAMERY BROOK
EAST GRANBY, CT 06026
516.393.2484

NEXTORE
4000 LUXOTTICA PLACE
MASON, OH 45040
513.765.6000

DESIGN AND CONSTRUCTION MANAGEMENT

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

NEXTORE PROJECT MGR.
JANIE IOANNOU
(708) 846-4093
JIOANNOU@NEXTORERETAIL.COM

NEXTORE STORE PLANNER
ANGELA MARSH
(860) 431-9659
AMARSH@NEXTORERETAIL.COM

NEXTORE STORE DESIGNER
CHRISTOPHER NEEB
(860) 431-9656
CNEEB@NEXTORERETAIL.COM

PERMIT EXPEDITOR
BURNHAM NATIONWIDE, INC.
111 W. WASHINGTON STREET, SUITE 1700
CHICAGO, IL 60602
POC: MIKE PROVENZANO
MPROVENZANO@
BURNHAMNATIONWIDE.COM
(312) 260-7088

ARCHITECT OF RECORD
JLL ARCHITECTURE, LLC
AMY SJURSEN, AIA, NCARB
(718) 887-1220
AMY.SJURSEN@AM.JLL.COM
51 WEST 3RD STREET
2ND FLOOR, SUITE 201
TEMPE, AZ 85281
POC: JON H. MORTON, CM, CSBA
(480) 277-4030

ENGINEER OF RECORD
LBI, LLC
310 WEST 20TH STREET, SUITE 200
KANSAS CITY, MO 64108
POC: BRAD EISENBARTH, PE
(816) 997-9582

10-LC05-G001-REV00

11 SCOPE OF WORK

- NEW INTERIOR PARTITION WALLS
- NEW WALL, CEILING & FLOOR FINISHES
- NEW STOREFRONT SIGNAGE
- NEW SALES AREA GYP. BD. CEILING AND LIGHTING.
- ELECTRICAL WORK FOR NEW LIGHTING AND DISPLAY FIXTURES
- NEW HVAC DIFFUSERS & DISTRIBUTION
- NEW MOP SINK
- NEW RESTROOMS
- NEW ELECTRICAL PANELS & DISTRIBUTION

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12 DEFERRED SUBMITTALS

FIRE ALARM
FIRE SPRINKLER
SIGNAGE

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14 DRAWING INDEX

SHEET	TITLE	ACTIVE REVISION #
ARCHITECTURAL		
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G003	SPECIFICATIONS 1 OF 4	
G004	SPECIFICATIONS 2 OF 4	
G005	SPECIFICATIONS 3 OF 4	
G006	SPECIFICATIONS 4 OF 4	
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G007b	GLAZING DETAILS	
G008	FINISH & ACCESSORY SCHEDULES	
G009	LIFE SAFETY PLAN	
AD100	BARRICADE FLOOR PLAN & ELEVATION	
A100	FIXTURE FLOOR PLAN	
A101	CONSTRUCTION PLAN	
A102	REFLECTED CEILING PLAN	
A103	FINISH PLAN	
A104	ELECTRIC / DATA DIMENSION PLAN	
A200	INTERIOR ELEVATIONS	
A201	INTERIOR ELEVATIONS	
A202	INTERIOR ELEVATIONS	
A203	TOILET ROOM PLAN, ELEVATIONS, & DETAILS	
A300	STOREFRONT ELEVATION	
A400	SECTIONS & DETAILS	
A401	SECTIONS & DETAILS	
A402a	LED DISPLAY WALL SECTION AND DETAILS	
A402b	SMART SHOPPER WALL SECTIONS AND DETAILS	
A403	CEILING DETAILS	
MECHANICAL, ELECTRICAL, PLUMBING		
M001	MECHANICAL DETAILS, NOTES & SCHEDULES	
M002	MECHANICAL SPECIFICATIONS	
M200	MECHANICAL PLAN	
P001	PLUMBING GENERAL NOTES & DETAILS	
P002	PLUMBING GENERAL NOTES & DETAILS	
P003	PLUMBING ISOMETRIC DIAGRAMS	
P200	PLUMBING PLAN WASTE & VENT	
P201	PLUMBING PLAN DOMESTIC WATER	
P202	PLUMBING PLAN NATURAL GAS & CONDESATE	
E001	ELECTRICAL GENERAL NOTES & DETAILS	
E002	ELECTRICAL GENERAL NOTES & DETAILS	
E003	ELECTRICAL GENERAL NOTES & DETAILS	
E004	ELECTRICAL GENERAL NOTES & DETAILS	
E005a	ELECTRICAL GENERAL NOTES & DETAILS	
E005b	ELECTRICAL GENERAL NOTES & DETAILS	
E006	TYPICAL PRETEST & OFFICE ROOMS	
E007	TYPICAL EXAM ROOM	
E008	TYPICAL CONTACT LENS ROOM	
E009	TYPICAL URGENT REPAIR LAB ROOM	
E010	TYPICAL TOILET ROOM & LIGHT FIXTURE SCHEDULE	
E200	ELECTRICAL LIGHTING PLAN	
E201	ELECTRICAL POWER/SYSTEMS PLAN	
FIRE PROTECTION		
FP200	FIRE SPRINKLER PLAN (FOR REFERENCE ONLY)	

14-LC05-G001-REV00

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1	11/23/2021 CITY COMMENTS	BRR
2	11/23/2021 OWNER CHANGES	BRR
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
GENERAL INFORMATION / COVER SHEET

Date 10/01/21
Drawn By STAFF
Checked By JHM

Sheet G001

1 RESPONSIBILITY SCHEDULE

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

SUPPLIED BY / RECEIVED BY / INSTALLED BY / EXISTING / PATCH & REPAIR / RELOCATE / REMARKS

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

DIVISION 01000 - GENERAL	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
BUILDING PERMIT	T	GC					GC SHALL AMEND / PICK UP PERMIT & PAY ADD'TL FEES; FEES BILLABLE TO NEXTORE AT NET COST; VIA CHANGE ORDER #1
PROFESSIONAL CLEAN-UP, FINAL CLEANING	GC	GC					(2) CLEANINGS REQUIRED. (1) PRIOR TO PUNCH & (1) AT TURNOVER
DEMOLITION	GC	GC					FIELD VERIFY EXISTING CONDITIONS AND SEE PLANS FOR SCOPE
TEMPORARY FACILITIES / UTILITIES	GC	GC	GC				IF REQUIRED
OTHER PERMITS, FEES, INSURANCE	GC	GC					INCLUDING ALL TRADE PERMITS ,LOCAL PEST CONTROL REQUIREMENTS, PERMITS, VERIFY REQUIREMENTS
TEMPORARY BARRICADES (W/ LUX BRAND SPECIFIC LOGO)	T		T				COORDINATE WITH LANDLORD. VERIFY BARRICADE REQUIREMENTS PRIOR TO SUBMITTING BID, WITH NEXTORE PROJECT MANAGER.
TRASH REMOVAL AND DUMPSTERS	GC	GC					VERIFY TOWN AND LANDLORD REQUIREMENTS. GC. TO REMOVE/DISPOSE OF ALL BOXES/CRATES/TRASH OF TENANT SUPPLIED AND INSTALLED ITEMS, INCL. DISPLAY FIXTURES & PACKAGING AND CRATING. DAILY CLEAN REQUIRED.
DIVISION 03000 - CONCRETE	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
CONCRETE SLAB (NEW OR PATCH FILL)	GC	GC	GC	●			G.C. TO FIELD VERIFY EXIST. COND. TO DETERMINE EXTENT OF SCOPE. GC TO REPORT TO PROJECT MANAGER.
CUTTING OF EXISTING SLAB-TRENCHING OR CORE DRILLING	GC	GC	GC				COORD. W/ LANDLORD & AFFECTED TENANTS. VERIFY W OPERATIONS PRIOR TO ANY CORING OR TRENCHING.
STRUCTURAL CONCRETE & REINFORCING	GC	GC	GC		GC		GC TO FIELD VERIFY FOR ANY DEFECTS WHICH REQUIRE ATTENTION. VERIFY WITH LANDLORD OPERATIONS.
SIDEWALK / ENTRY	GC	GC	GC	●			GC TO FIELD VERIFY FOR ANY DEFECTS WHICH REQUIRE ATTENTION
DIVISION 04000 - MASONRY	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
STOREFRONT FACADE	GC	GC	GC	●			
CLEANING OF MASONRY	GC	GC	GC				
CONCRETE MASONRY UNIT WALLS	GC	GC	GC	●	GC		GC TO FIELD VERIFY FOR ANY DEFECTS WHICH REQUIRE ATTENTION
DIVISION 05000 - MISC. METALS	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
BASE BUILDING STRUCTURAL STEEL				●			
STRUCTURAL STEEL AS REQUIRED FOR TENANT BUILD-OUT	GC	GC	GC				
METAL FABRICATIONS							IF APPLICABLE
EXPANSION JOINTS	GC	GC	GC				
DIVISION 06000 - WOOD & PLASTICS	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
BLOCKING (INCL. FOR FIXTURES, SHELVES, SIGNS	GC	GC	GC				FIRE RETARDENT WOOD AND OR METAL PER AUTHORITY JURISDICTION / LL
ROUGH CARPENTRY, FIRE RETARDANT LUMBER & PLYWD	GC	GC	GC				
FLOOR PROTECTION (IF REQUIRED)	GC	GC	GC				DURABLE PROTECTION REQUIRED. PROVIDE WALK-OFF MAT AT BOTH SIDE OF ENTRY POINT(S) OF CONSTRUCTION AREA
FINISH CARPENTRY	GC	GC	GC				
FLOOR PREP	GC	GC	GC				
DIVISION 07000 - THERMAL & MOISTURE PROTECTION	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
SEALANTS, INSULATION, FIRE CAULKING & BLOCKING	GC	GC	GC				SEE SPECIFICATIONS
SPRAYED FIRE RESISTIVE MATERIALS	GC	GC	GC				IF REQUIRED BY LL
THROUGH PENETRATIONS FIRE STOP SYSTEM	GC	GC	GC				PATCHING OF EXISTING SHALL BE BY GENERAL CONTRACTOR, USING LL VENDOR IF NECESSARY.
BATT INSULATION AND/OR SOUND ATTENUATION	GC	GC	GC				
WATERPROOF MEMBRANE	GC	GC	GC				EXTENT OF WATERPROOF MEMBRANE SHALL BE VERIFIED WITH LL BY THE GC
DIVISION 08000 DOORS & WINDOWS	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
NEW DOORS, FRAMES, HARDWARE	GC	GC	GC				UNLESS NOTED OTHERWISE. (SEE DOOR SCHEDULE SHEET G007)
PANIC / SECURITY ALARM	GC	GC	GC				SEE DOOR HARDWARE SCHEDULE
ALL DOOR LOCK CORES AND KEYS	T	GC	GC				
ACCESS DOORS AND FRAMES	GC	GC	GC				
MILLWORK MIRRORS	GC	GC	GC				
SECURITY GRILLE / SHUTTERS							N/A
SECURITY ALARM & SYSTEM	T	GC	T				
EXTERIOR & INTERIOR METAL STOREFRONT CLADDING	GC	GC	GC				
NEW STOREFRONT ALUMINUM FRAME OR CHANNELS 3	GC	GC	GC				GC TO DEMO EXISTING STOREFRONT SYSTEM AND PREP SURFACES TO RECEIVE NEW SYSTEM, F.V. CONDITION
NEW STOREFRONT GLAZING	GC	GC	GC				GC TO DEMO EXISTING STOREFRONT SYSTEM AND PREP SURFACES TO RECEIVE NEW SYSTEM, F.V. CONDITION
NEW STOREFRONT SWINGING DOORS AND HARDWARE	GC	GC	GC				GC TO DEMO EXISTING STOREFRONT SYSTEM AND PREP SURFACES TO RECEIVE NEW SYSTEM, F.V. CONDITION
INTERIOR GLAZING CHANNELS & GLASS	GC	GC	GC				LAB WINDOW / CONTACTS WINDOW
GLAZING FILM - SECURITY; FINISH: GF-4	GC	GC	GC				INSTALL ON INTERIOR FACE OF GLASS
DIVISION 09000 - FINISHES	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
NEW DEMISING PARTITIONS (STUDS & INSTALLATION)	GC	GC	GC	●			SEE PLANS FOR SCOPE OF WORK
NEW DEMISING PARTITIONS (GYPSUM WALLBOARD)	GC	GC	GC	●			SEE PLANS FOR SCOPE OF WORK.
DRYWALL CEILING, WALLS, ENCLOSURES & REQ'D FRAMING	GC	GC	GC				PER USG AESTHETIC ASSEMBLIES, ALL WALLS (INCLUDING EXISTING TO REMAIN), SHALL RECEIVE "LEVEL 4" FINISH, & CEILING "LEVEL 5"
ACOUSTICAL CEILING TILES & GRID	GC	GC	GC				SEE FINISH SCHEDULE
PAINTING, FINISHING, VARNISH, SEALER, ETC.	GC	GC	GC				
FLOOR TRANSITIONS	GC	GC	GC				
CARPETING	T	GC	GC				
FLOOR TILE	T	GC	GC				GC MUST INSTALL FLOOR PER FLOORING MFG SPECS.
GROUT AND THINSET FOR TILE & ACCESSORIES	GC	GC	GC				
WALK-OFF MAT	GC	GC	GC				
STOREFRONT BULKHEAD - MALL				●	GC		
WALL BASE	GC	GC	GC				
FIBERGLASS REINFORCED PANELS	GC	GC	GC				
LAMINATE WALL CAPS PARTIAL HEIGHT WALLS							N/A
WOOD PANELING (WSP-101)	T	GC	GC				
DIVISION 10000 - SPECIALTIES	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
RETAIL WALL SIGNAGE	T	T	T				G.C. TO COORDINATE SIGN INSTALLATION. GC SHALL WIRE AND POWER AS NECESSARY".
GRAPHIC HOLDER	T	GC	GC				SEE FIXTURE PLAN FOR MORE INFORMATION
GRAPHICS	T	GC	T				SEE FIXTURE PLAN FOR MORE INFORMATION
ACCESSIBILITY SIGNAGE	T	GC	GC				SEE FIXTURE PLAN FOR MORE INFORMATION
SHELVES & SURFACE MTD. STANDARDS	GC	GC	GC				
FIRE EXTINGUISHERS	GC	GC	GC				SUGGESTED LOCATION ON PLAN - VERIFY LOCAL REQUIREMENTS. FURNISH WITH CURRENT TAGS.
STOREFRONT SIGNAGE	T	T	T				
AWNINGS							N/A
RESTROOM ACCESSORIES & HARDWARE	GC	GC	GC				BLOCKING TO BE FURNISHED AND INSTALLED BY GC.
LOCKERS	T	GC	GC				
LED PANELS & ACCESSORIES	T	GC	T				GC TO PROVIDE SECURE AREA FOR STORAGE. GC TO DISPOSE OF PACKAGING FOLLOWING VENDOR UNPACKAGEING.
SIGN (GRAPHIC) BOXES	T	GC	GC				GC TO INSTALL PER MFG. SPECIFICATIONS.
DIVISION 12000 - FURNISHINGS	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
MILLWORK (RETAIL)	T	GC	T				RECEIVED & OFFLOADED BY G.C. / UNCRATED & INSTALLED BY TENANT.
MILLWORK (O.D.)	T	GC	T				RECEIVED & OFFLOADED BY G.C. / UNCRATED & INSTALLED BY TENANT
OD EQUIPMENT	T	T	T				G.C. TO COORDINATE
POS EQUIPMENT	T	GC	T				G.C. TO COORDINATE
LENS PROCESS EQUIPMENT	T	T	T				
MERCHANDISE PROPS	T	GC	GC				
FURNITURE (CHAIRS, BENCHES, TABLES, ETC.)	T	GC	GC				
STAPLES ACCESSORIES	T	GC	GC				SEE SHEET A100
DOCTOR'S CERTIFICATES / LICENSE FRAMES	T	GC	GC				
LAB TABLE	T	GC	GC				ASSEMBLY OF LAB TABLES TO BE BY GC.
MILLWORK (EMPLOYEE AREA)	T	GC	GC				
METAL STORAGE CABINETS FOR LENS AND LAP TOOLS	T	GC	GC				G.C. TO COORDINATE
REFRIGERATOR & MICROWAVE	T	GC	GC				
LENS DELIVERY DROP BOX	T	GC	GC				WHEN APPLICABLE, VERIFY WITH NEXTORE PM
DISPLAY MONITORS	T	T	T				

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2 MECHANICAL, ELECTRICAL, PLUMBING, RESPONSIBILITY SCHEDULE

SEE RELATED SHEETS PER TRADE

2-LC05-G002-REV00

3 ACCESSIBILITY NOTES

1. THIS PROJECT WILL COMPLY WITH ALL IAC 400.310 REQUIREMENTS UNDER IAC 400.320(n) - TENANT FINISHING WORK AND IAC 400.320(h) - BUSINESS AND MERCANTILE.
2. THIS PROJECT WILL COMPLY WITH ALL FEDERAL REQUIREMENTS UNDER ADAAG 4.1.3 - NEW CONSTRUCTION AND ADAAG 140 - BUSINESS AND MERCANTILE.
3. ALL DOORS LEADING TO REQUIRED ACCESSIBLE ROOMS AND SPACES SHALL BE A MIN. OF 3'-0" WIDE, HAVE LEVER OPERATED HARDWARE (OR EQUAL), HAVE A MIN. OPENING FORCES OF 5 LBF, AND FULLY COMPLY WITH IAC 400.310 (j).
4. ALL NEW OR ALTERED ENVIRONMENTAL CONTROL AND OPERATING MECHANISMS WILL COMPLY WITH IAC 400.310(r) (FRONT REACH BETWEEN 15" ANF 48" A.F.F.)
5. ANY NEW EMERGENCY WARNING ALARMS, WHERE PROVIDED, SHALL BE BOTH AUDIBLE AND VISUAL AND COMPLY WITH IAC 400.810(s). THE VISUAL ALARMS WILL BE FLASHING TYPE WHERE THE FLASHING IS SYNCHRONIZED AND IN COMPLIANCE FOR INTENSITY AND FREQUENCY.

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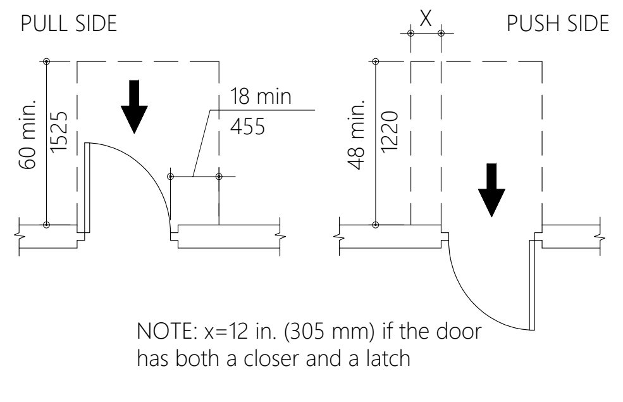
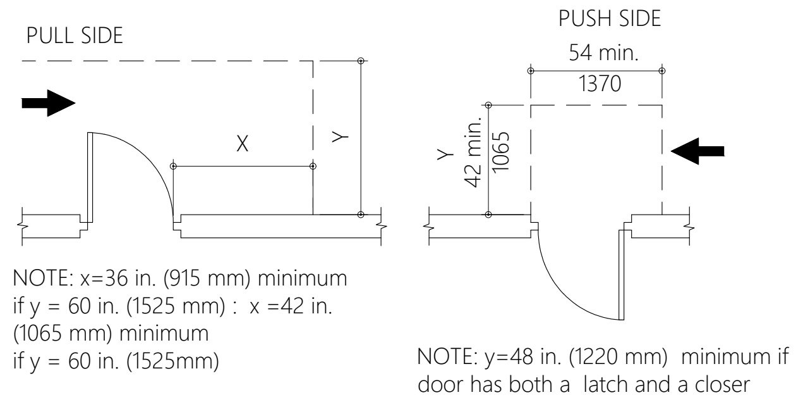
4 ACCESSIBILITY CLEARANCES



NOTE: x=12 in. (305 mm) if the door has both a closer and a latch

Front Approaches - Swinging Doors

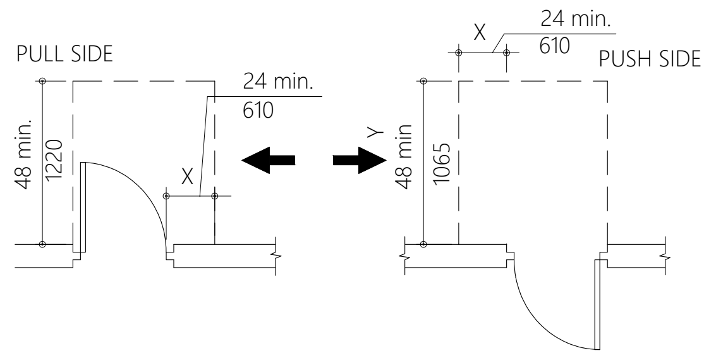


NOTE: x=36 in. (915 mm) minimum
if y = 60 in. (1525 mm) : x =42 in.
(1065 mm) minimum
if y = 60 in. (1525mm)

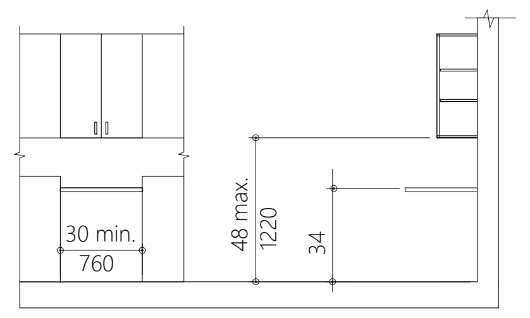
NOTE: y=48 in. (1220 mm) minimum if door has both a latch and a closer

Hinge-side Approaches - Swinging Doors

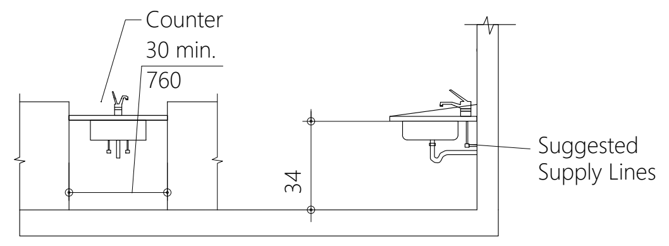
NOTE: All doors in alcoves shall comply with clearances for front approaches.



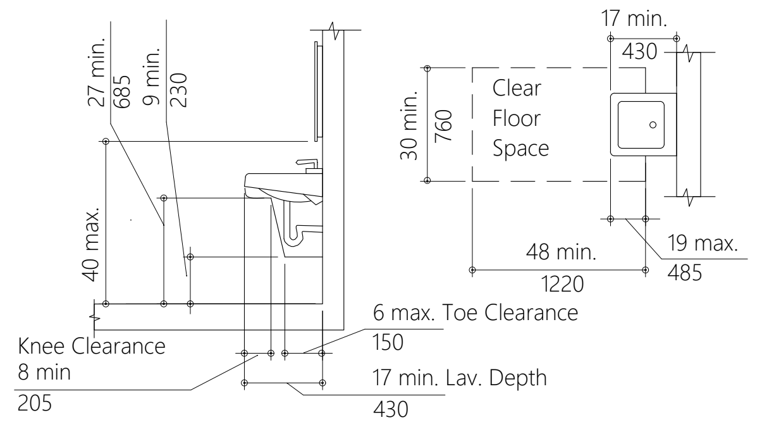
Latch-side Approaches - Swinging Doors



Cabinet Heights



Base Height



Lavatory Clearances

NOTE:
LAVATORY HAS LEVER (OR EQUAL) FAUCET HARDWARE. SEE PLUMBING SHEET. PIPES UNDER THE SINK ARE INSULATED BY GC.

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5 DOOR/HARDWARE DETAIL

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

DOOR WIDTHS AND HEIGHTS.
REQUIRED EXIT DOORWAYS ARE REQUIRED TO HAVE A CLEAR OPENING NOT LESS THAN 34 INCHES WIDE. FOR HINGED DOORS, THE OPENING IS MEASURED WITH THE DOOR AT A 90 DEGREE ANGLE FROM ITS CLOSED POSITION. AT LEAST ONE OF A PAIR OF DOORS, INCLUDING AUTOMATIC DOORS, HAS TO PROVIDE THE 32 INCH CLEAR OPENING. DOOR HEIGHTS ARE REQUIRED TO BE A MINIMUM OF 80 INCHES.

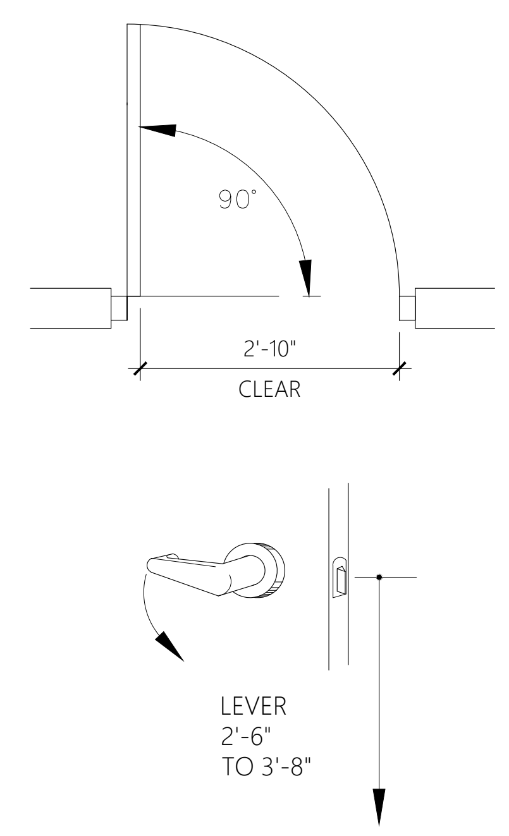
HARDWARE.
HAND ACTIVATED DOOR OPENING HARDWARE IS REQUIRED TO BE CENTERED BETWEEN 30 AND 44 INCHES HIGH. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL HAVE TO BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, BY PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. LOCKED EXIT DOORS ARE REQUIRED TO OPERATE AT DESCRIBED ABOVE IN THE DIRECTION OF EGRESS.

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

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

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

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



5-LC05-G002-REV00

6 DRINKING FOUNTAIN

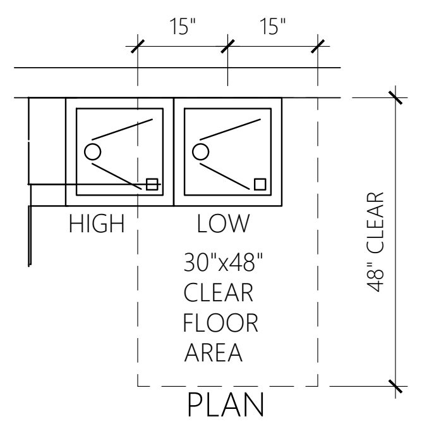
DRINKING FOUNTAIN NOTES FOR LOW DRINKING FOUNTAIN:

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

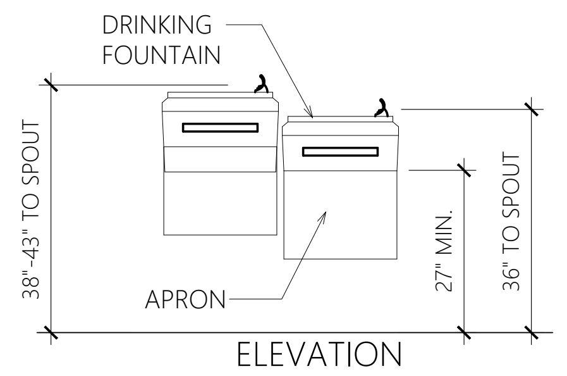
2. CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. SPOUTS SHALL BE NO HIGHER THAN 36" MEASURED FROM THE FLOOR OR GROUND SURFACES TO THE SPOUT OUTLET.

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

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



PLAN



ELEVATION

6-LC05-G002-REV00

7 SYMBOLS

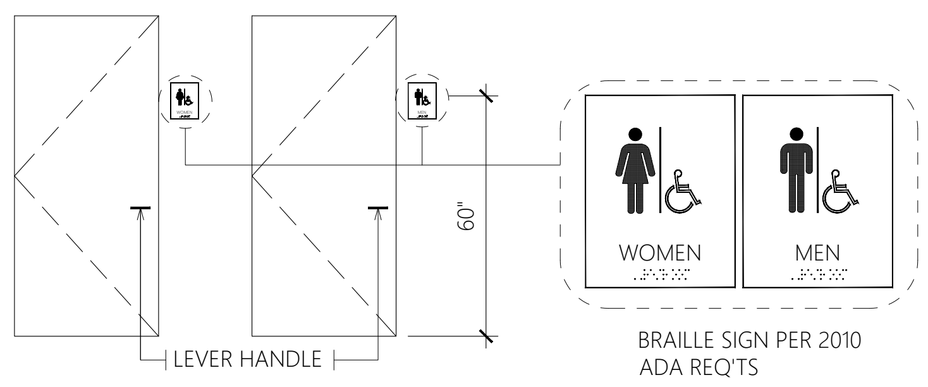
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
ELEVATION NO. (TYP.) SHEET NO.	4 WAY ELEVATION	SECTION NO. SHEET NO.	SECTION
ELEVATION NO. (TYP.) SHEET NO. (TYP.)	WALL SECTION OR ELEVATION	DETAIL NO. SHEET NO.	DETAIL

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
A 1 LETTERS "O" & "I" NOT TO BE USED	BUILDING GRID LINES	MATERIAL (REFER TO SCHEDULE) T T102 FINISH (REFER TO SCHEDULE)	FINISH

SYMBOL	DESCRIPTION
⬡ -	WINDOW
○ -	DOOR
-	EQUIP. NUMBER
▭ -	ROOM NUMBER
⬡ -	KEY NOTE
△ -	REVISION
◇ -	WALL TYPE

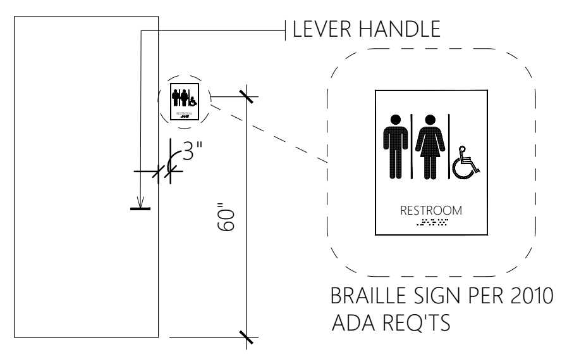
7-LC05-G002-REV00

8 ACCESSIBILITY SIGNAGE



MEN'S/WOMEN'S RESTROOM SIGNAGE

NOTE:
ALL SIGNAGE SHALL CONFORM WITH ADA ACCESSIBILITY GUIDELINES, INCLUDING BUT NOT LIMITED TO PROPORTION, COLOR CONTRAST AND RELIEF AND GRADE 2 BRAILLE REQUIREMENTS.



UNISEX RESTROOM SIGNAGE

8-LC05-G002-REV00

9 ABBREVIATIONS

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

9-LC05-G002-REV00

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

● 4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
● 6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
RESPONSIBILITY SCHEDULE & TYPICAL INFO

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet G002

SPECIFICATIONS (1 OF 4)

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 TENANT'S CONSTRUCTION MANAGER. ALL CHANGES MUST IMMEDIATELY BE SUBMITTED IN WRITING TO 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 COST BREAKDOWN AND THE IMPACT TO THE CONSTRUCTION SCHEDULE.

01005 CONTRACTORS USE OF THE PREMISES.

PART 1 - GENERAL

A. THE GENERAL CONTRACTOR AND ALL CONTRACTORS BIDDING ON THIS PROJECT SHALL VISIT THE JOB SITE TO FAMILIARIZE THEMSELVES WITH ACTUAL JOB CONDITIONS AND TO CHECK FOR ANY INTERFERENCE BETWEEN THEIR WORK AND THAT OF OTHER TRADES AND/OR APPARENT VIOLATIONS OF LOCAL, STATE, OR FEDERAL CODES, LAWS, ORDINANCES, AND REGULATIONS BEFORE ENTERING INTO A CONTRACT WITH EITHER THE GENERAL CONTRACTOR AND/OR TENANT.

1. ALL ITEMS SHALL BE INCLUDED IN THE BASE BID TO ACHIEVE THE FINAL PRODUCT INDICATED IN DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: CONCRETE FLOOR PREP, FLOOR SLAB X-RAYING, DEMISING WALL GYPSUM BOARD EXTENT AND CONDITION, REQUIRED FIRE PROOFING, ELECTRICAL PANELS, ELECTRICAL, WATER, SEWER, VENTS AND TELEPHONE CONDUITS, ANY LANDLORD REQUIRED FIRE PROTECTION SYSTEM OR TIE-INS TO BLDG. MANAGEMENT SYSTEMS, FIRE EXTINGUISHERS, AND STRUCTURAL REQUIREMENTS FOR TENANT'S EQUIPMENT.

2. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND TENANT IN WRITING BEFORE ENTERING INTO A CONTRACT WITH THE TENANT IF ANY INTERFERENCE OR VIOLATIONS APPEAR AND DEPARTURE FROM THE DESIGN INTENT OF THE DOCUMENTS IS REQUIRED.

3. FAILURE TO PROVIDE ARCHITECT AND TENANT'S CONSTRUCTION MANAGER WITH THE AFOREMENTIONED NOTIFICATION SHALL RESULT IN THE GENERAL CONTRACTOR BEING HELD RESPONSIBLE TO COMPLETE ALL WORK REQUIRED TO MEET THE DESIGN INTENT OF THE CONTRACT DOCUMENTS AT HIS/HER OWN COSTS WITH NO ADDITIONAL EXPENSES (EXTRAS) BEING INCURRED BY THE TENANT. EXTRAS WILL NOT BE ALLOWED FOR JOB SITE CONDITIONS THAT WERE READILY VISIBLE OR DETERMINED.

4. ALL SUB TRADES SHALL COORDINATE THEIR WORK WITH THE WORK OF OTHERS OR WITH EXISTING CONDITIONS OCCURRING ABOVE OR BELOW THE LEASED PREMISES AND SHALL MAKE CHANGES FROM TIME TO TIME AS REQUESTED TO ACCOMMODATE SUCH WORK OR CONDITIONS AT NO CHARGE TO TENANT.

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

6. THE G.C. SHALL BUILD ON SITE A TEMPORARY LOCKABLE STORAGE AREA. G.C. SHALL ACCEPT ALL TENANT SUPPLIED ITEMS AND STORE THEM SAFELY IN SUCH SPACE.

A. LAYOUT OF WORK

1. IMMEDIATELY AFTER DEMOLITION, GENERAL CONTRACTOR TO ADVISE TENANT OF ANY DISCREPANCIES IN OVERALL WIDTH, LENGTH, AVAILABLE CEILING HEIGHTS, COLUMN LOCATIONS, STOREFRONT, UTILITY LOCATIONS, ETC.

2. EXERCISE PROPER PRECAUTION TO VERIFY ALL EXISTING CONDITIONS AND LAYOUT OF CONTRACTOR TO NOTIFY TENANT OF ANY DISCREPANCIES IMMEDIATELY. CONTRACTOR IS RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTION. SUCH ERROR WILL NOT BE CONSIDERED SUBSEQUENTLY AS A BASIS FOR EXTRA COMPENSATION.

3. GENERAL CONTRACTOR IS TO LAYOUT WORK AND BE RESPONSIBLE FOR ALL LINES, MEASUREMENTS OF THE BUILDING, UTILITIES, AND OTHER WORK EXECUTED UNDER THE CONTRACT.

4. SHOULD A CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM THE DRAWINGS OR SPECIFICATIONS, OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING, HE SHALL AT ONCE NOTIFY THE ARCHITECT AND TENANT.

C. CODES AND STANDARDS

1. ALL WORK, MATERIALS, AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL ORDINANCES, STATE AND LOCAL BUILDING CODES, LATEST EDITION. SEE TITLE SHEET FOR SPECIFIC EDITIONS.

2. DESIGN LOADS: LOADS AND CODE RESTRICTIONS FOR ALL DESIGN CONSIDERATIONS SHALL CONFORM TO THE LOCAL AND STATE CODES AND ALL GOVERNING CODES.

D. TRASH REMOVAL

1. ALL TRADES SHALL CONFINE CONSTRUCTION WORK TO WITHIN LEASED PREMISES AS MUCH AS POSSIBLE AND SHALL WORK IN AN ORDERLY MANNER REMOVING TRASH AND DEBRIS FROM PROJECT ON A DAILY BASIS INCLUDING TRASH AND DEBRIS GENERATED BY TENANT SUPPLIED AND/OR INSTALLED ITEMS. AT NO TIME WILL PIPES, WIRES, BOARD, OR OTHER CONSTRUCTION MATERIALS CROSS PUBLIC AREAS WHERE HARM COULD BE CAUSED TO THE PUBLIC.

2. MALL DOORS ARE NOT TO BE PROPPED OPEN BY CONSTRUCTION WORKERS AT ANY TIME.

3. THERE WILL BE NO STORAGE OF MATERIAL OR RUBBISH IN CORRIDORS OR OTHER LANDLORDAREAS AT ANY TIME. IF DEBRIS IS FOUND IN THIS AREA, IT WILL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR THAT IS RESPONSIBLE.

4. ALL SUB TRADES SHALL COORDINATE REMOVAL OF DEBRIS AND GARBAGE GENERATED BY THEIR TRADES WITH THE G.C.

5. THE G.C. SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL DEBRIS INCLUDING PACKAGING MATERIAL OF MILLWORK.

E. ROOF CUTTING AND PATCHING

1. CUTTING AND PATCHING FOR ALL ROOF OPENINGS SHALL BE PERFORMED BY LANDLORDS ROOFING CONTRACTOR, IF SO REQUIRED BY THE LANDLORD, ENGAGED BY TENANTS GENERAL CONTRACTOR.

2. THE LANDLORDS ROOFING CONTRACTOR WILL, AT SUBTRADES WRITTEN REQUEST AND COST, PROVIDE THE OPENINGS, ANCHORING DEVISES, CURBS, FLASHINGS, PATCHING, ETC., AS REQUIRED FOR TENANTS EQUIPMENT SO AS TO MAINTAIN THE INTEGRITY AND GUARANTEE OF THE ROOF. ALL SUBTRADES SHALL INCLUDE THE COST OF SUCH OPENINGS, ETC. IN THEIR PROPOSALS TO TO THE GENERAL CONTRACTOR DURING BIDDING. SUBTRADES SHALL COORDINATE WITH THE LANDLORD AND/OR ROOFING CONTRACTOR AND ALSO REIMBURSE HIM FOR SAME.

3. ROOF REPAIRS OR PENETRATIONS REQUIRED BY REMOVAL OR RELOCATION OF EXISTING EQUIPMENT OR INSTALLATION OF NEW EQUIPMENT (CUTTING OF ROOF AND DECK MATERIAL AND/OR REPAIR OF THE SAME) SHALL BE COORDINATED WITH THE LANDLORD'S REPRESENTATIVE.

F. DELIVERIES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING ALL TENANT PROVIDED ITEMS AT THE JOB SITE INCLUDING A HEAVY AMOUNT OF MILLWORK WHICH IS TENANT SUPPLIED. THESE TENANT SUPPLIED ITEMS SHALL BE THE G.C.'S RESPONSIBILITY TO UNLOAD, STORE, AND DELIVER TO PROPER STORE AREAS WHEN REQUIRED. SEE TITLE SHEET, "GENERAL NOTES", FOR ADDITIONAL NOTES, PROCEDURES, AND RESPONSIBILITIES.

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

01041 PROJECT COORDINATION

PART 1 - GENERAL

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

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

01200 PRICE, PAYMENT, AND CONTRACT

PART 1 - GENERAL

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

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

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

01400 QUALITY/GUARANTEE

PART 1 - GENERAL

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

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

01426 PROCEDURES

PART 1 - GENERAL

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

01510 TEMPORARY UTILITIES

PART 1 - GENERAL

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

01542 CRANES AND HOISTS

PART 1 - GENERAL

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

01700 CLEANING / ADJUSTING / MAINTENANCE / WARRANTIES

PART 1 - GENERAL

A. FINAL CLEANING

1. REMOVE WASTE AND SURPLUS MATERIALS, RUBBISH AND CONSTRUCTION DEBRIS FROM SITE. GENERAL CONTRACTOR TO PROVIDE A PROFESSIONAL CLEANING SERVICE TO EXECUTE FINAL CLEANING PRIOR TO TURN-OVER. SEE TITLE SHEET, "GENERAL NOTES", FOR ADDITIONAL INFORMATION.

B. ADJUSTING

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

C. OPERATION AND MAINTENANCE DATA

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

2. PREPARE BINDER COVER WITH PRINTED TITLE "OPERATION AND MAINTENANCE INSTRUCTIONS", WITH TITLE OF PROJECT, LOCATION AND DATE, AND SUBMIT TO TENANT'S CONSTRUCTION MANAGER.

D. WARRANTIES AND BONDS

1. EXECUTE AND ASSEMBLE TRANSFERABLE WARRANTY DOCUMENTS FROM SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS.

END OF DIVISION

DIVISION 02000 - SITE WORK

02060 BUILDING DEMOLITION

PART 1 - GENERAL

A. SELECTIVE DEMOLITION

1. THIS SECTION IS INCLUDED FOR GENERAL REFERENCE OF WORK TO BE REMOVED BY THE GENERAL CONTRACTOR.

2. CONSULT DEMOLITION PLANS INCLUDED WITH PROJECT DOCUMENTS FOR ADDITIONAL NOTES AND SITE SPECIFIC ITEMS.

3. DEMOLITION INCLUDES REMOVAL OF THE EXISTING INTERIORS, IF REQUIRED, BUT NOT LIMITED TO INTERIOR PARTITIONS, CABINETS, SUSPENDED CEILING TILE, ELECTRICAL, MECHANICAL, ETC., AS REQUIRED, AS SHOWN OR AS DIRECTED.

4. ALL ITEMS INDICATED OR REQUIRED TO BE DEMOLISHED OR REMOVED TO BE LEGALLY DISPOSED OF IN COORDINATION AND COMPLIANCE WITH ALL LANDLORD PROCEDURES AND REGULATIONS.

5. 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

6. 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.

7. 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.

8. 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 ANYUTILITY OR SPRINKLER LINES WHICH MIGHT PASS THROUGH THIS SPACE TO SERVICE OTHER MALL SPACES OR TENANTS. GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTION OR DAMAGE.

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

E. GENERAL CONTRACTOR RESPONSIBILITIES

1. GENERAL CONTRACTOR IS TO NOTIFY TENANT IMMEDIATELY OF ANY SEVERE DISCREPANCIES OR IRREGULARITIES DISCOVERED DURING DEMOLITION WHICH MIGHT AFFECT THE CURRENT STORE DESIGN. GENERAL CONTRACTOR IS TO PAY SPECIAL ATTENTION TO AVAILABLE HEIGHT FOR INTENDED CEILING ELEVATION, MECHANICAL DUCTWORK AND RECESSED LIGHTING.

2. GENERAL CONTRACTOR IS TO ERECT CONSTRUCTION BARRICADES AND DEBRIS/DUCT SCREENS PER LANDLORD'S SPECIFICATIONS. CONTACT LANDLORD'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF ALL DEMOLITION WORK.

3. GENERAL CONTRACTOR IS RESPONSIBLE FOR PATCHING, REPAIRING AND LEVELING OF THE EXISTING FLOOR SLAB, REPAIR OF DEMISING WALLS AND ROOF DECK AFTER COMPLETION OF ALL DEMOLITION AND PRIOR TO THE COMMENCEMENT OF NEW CONSTRUCTION.COORDINATE WITH LANDLORD RESPONSIBILITY IN PERFORMING ANY AND ALL ROOF WORK.

DIVISION 03000 - CONCRETE

03300 CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

A. PROVIDE AND INSTALL CONCRETE AS INDICATED ON THE DRAWINGS.

B. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN CONCRETE INSTITUTE" CODES AND STANDARDS INCLUDING ACI 301, ACI 315, AND ACI 318.

C. CONCRETE STRENGTHS ARE AS FOLLOWS: CLASS 1 3000 PSI INTERIOR SLABS (OR MIN.REQUIRED PER LANDLORD SPECIFICATIONS.)

D. REINFORCEMENT (PER LANDLORD REQUIREMENTS)

E. BONDING AGENT (IF REQUIRED)

1. "SONOBOND" EPOXY CONCRETE BONDING AGENT OR EQUAL

a. MANUFACTURER: CHEMTREX, INC.
889 VALLEY PARK DRIVE
SHAKOPEE, MINNESOTA 55379-1854

2. CONSULT MANUFACTURER FOR APPLICATION PROCEDURE.
ASTM C881

F. VAPOR BARRIER

1. SLAB ON GRADES TO RECEIVE 6 MIL. CLEAR OR BLACK POLYETHYLENE FILM WITH MINIMUMOF 12" OVERLAP. TAPE ALL SEAMS.

PART 2 - PREPARATION / EXECUTION

A. CONCRETE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR STRENGTH, CONSISTENCY PROPORTIONS AND HANDLING OF CONCRETE.

B. VERIFY THAT COMPACTED GRANULAR BASE IS IN PLACE AND READY TO SUPPORT PAVINGAND IMPOSED LOADS.

C. VERIFY GRADIENT AND ELEVATIONS OF BASE ARE CORRECT. THICKNESS AND REINFORCING AS SHOWN ON DRAWINGS.

D. IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM MECHANICAL INJURY.

E. DEPOSIT CONCRETE WITHIN ANY ONE SECTION CONTINUOUSLY SO THAT NO CONCRETE WILL BE PLACED ON OLDER CONCRETE WHICH HAS SET SUFFICIENTLY TO RESULT IN SEAMS AND PLANES OF WEAKNESS WITHIN SECTION.

F. PLACE SLABS FOR FULL THICKNESS IN ONE OPERATION, WITHOUT CHANGES IN PROPERTIES; SCREED TO PROPER ELEVATION; FLOAT AND LIGHTLY TROWEL. UNLESS OTHERWISE SPECIFIED, WHEN CONCRETE HAS SET SUFFICIENTLY TO RING UNDER TROWEL, GIVE SLAB SECOND TROWELING TO PRODUCE SMOOTH, DENSE SURFACE. DUSTING OF SURFACES WITH CEMENT IS PROHIBITED. % OPTIMUM DENSITY. PROVIDE MIN. 6" COMPACTED

G. COMPACT SUB GRADE FOR SLABS ON GRADE TO 95 CRUSHED GRAVEL SUB-BASE AT ALL AREAS TO RECEIVE NEW CONCRETE.

H. FINISHES

1. GIVE TYPICAL INTERIOR FLOOR SLABS A STEEL TROWEL FINISH WITH CLASS A TOLERANCE (TRUE PLANES WITHIN 1/8 IN 10 FT. AS DETERMINED BY A 10 FOOT STRAIGHTEDGE PLACED ANYWHERE ON SLAB IN ANY DIRECTION).

I. PROVIDE SAW CUT CONTROL JOINTS 1/8" WIDTH x 1" DEEP AT MAXIMUM 400 SQUARE FOOT AREA.

J. APPLY BONDING AGENT (AS SPECIFIED) TO ADJACENT CONCRETE SURFACES IMMEDIATELY PRIOR TO PLACEMENT OF CONCRETE.

K. EXPANSION JOINT MATERIAL: 1/2" PRE MOLDED ASPHALT IMPREGNATED FIBERBOARD, SAME DEPTH AS CONCRETE.

03732 CONCRETE REPAIR

PART 1 - GENERAL

A. THE EXTENT OF CONCRETE REPAIR WORK INCLUDES REMAINING FLOOR AREAS AFTERDEMOLITION PROVIDING A LEVEL FLOOR THROUGHOUT TO RECEIVE FUTURE FINISHES.

B. COMPLY WITH MANUFACTURER'S REQUIREMENTS FOR INSTALLATION OF ITEMS AND FINISHES BY OTHER TRADES, INCLUDING THOSE ITEMS AND FINISHES PROVIDED AND/OR INSTALLED BY TENANT.

C. FLOOR LEVELER CONCRETE TO BE INSTALLED AT LOW AREAS, HOLES AND DEPRESSIONS. PATCH CRACKS AND BROKEN CONCRETE WITH FLOOR PATCH TROWELED SMOOTH IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND LANDLORD SPECIFICATIONS. UNDERLAYMENT COMPOUND TO BE FREE FLOWING, SELF-LEVELING, PUMPABLE, AND CEMENT-BASED FOR APPLICATIONS FROM ONE INCH THICK TO FEATHERED EDGES.

PART 2 - PREPARATION / EXECUTION

A. CONCRETE REPAIR

1. DO NOT PROCEED WITH WORK UNTIL VISITING THE SITE AND DETERMINING CONDITIONS TO DECIDE METHODS OF REPAIR. COORDINATE WITH TENANT'S CONSTRUCTION MANAGER.

2. REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES WHERE INDICATED ON DEMOLITION PLAN.

3. THOROUGHLY CLEAN FLOOR SLAB REMOVING CONDITIONS THAT WILL AFFECT BOND INCLUDING RESIDUE FROM REMOVAL OF ADHESIVES, UNDERLAYMENTS, STAINS, OILS, ETC.

4. REMOVE HIGH FLOOR LEVELS AND LOOSE CONCRETE.

5. ROUGH IN CONCRETE IN AREAS WHERE PATCHING IS REQUIRED, SUCH AS CRACKED, SPALLED, OR HOLES DUE TO REMOVAL OF EXISTING WORK.

6. GRIND HIGH SPOTS.

7. AT LOCATIONS OF CONSTRUCTION JOINTS IN EXISTING SLAB, CONTINUE JOINTS THROUGH NEW FLOOR IN LEVELING AREA. SAW CUT JOINT OR PLACE 1/16" WIDE METAL BAR IN THE JOINT LOCATION COINCIDENT WITH EXISTING.

8. TRENCH ONLY AT SLAB ON GRADE. VERIFY AND GET APPROVAL OF TRENCH OR CORE LOCATIONS WITH THE LANDLORDS REPRESENTATIVE AND MALL STRUCTURE PRIOR TO COMPLETING ANY WORK. CORES TO BE SEALED WATERPROOF. SEE SECT. 07200 "INSULATION AND WATERPROOFING" FOR ADDITIONAL WATERPROOFING INFORMATION.

CLEAN AREAS REMOVING ALL WASTE MATERIAL, BROOM CLEAN.

DIVISION 04000 - MASONRY

NO WORK UNDER THIS SECTION

DIVISION 05000 - METALS

05120 STRUCTURAL STEEL

PART 1 - GENERAL

A. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY FOR COMPLETE INSTALLATION OF STEEL FRAMING AND SUPPORT MEMBERS, ANGLES, PLATES, ANCHOR BOLTS REQUIRED FOR THE CONNECTION, SETTING AND BEARING OF COMPLETE STRUCTURE AS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.

B. SEE STRUCTURAL DOCUMENTS FOR ADDITIONAL SPECIFICATIONS / STANDARDS.

C. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE PROJECT IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS AND ADEQUACY OF TEMPORARY SUPPORT DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUY OR TIE DOWNS MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN CONTRACTOR'S PROPERTY.

D. PROVIDE OPENINGS AND SPECIAL FRAMING REQUIRED BY OTHER TRADES. MECHANICAL FRAMING LOADS, OPENINGS, AND STRUCTURE RELATED TO MECHANICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN WRITTEN SIGN-OFF FROM MECHANICAL AND OTHER TRADES FOR SPECIFIC REQUIREMENTS BEFORE PROCEEDING WITH SUCH WORK. ARCHITECT'S OR ENGINEER'S APPROVAL OF ERECTION AND SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR FROM THIS RESPONSIBILITY.

E. VERIFY THE EXACT SIZE AND LOCATION OF ALL OPENINGS PRIOR TO FABRICATION OF STEEL FRAMING MEMBERS.

F. SHOP DRAWINGS: SUBMIT SHOP DRAWINGS TO ARCHITECT INDICATING SHOP AND ERECTION DETAILS, INCLUDING CUTS, CONNECTIONS, HOLES, THREADED FASTENERS AND WELDS.

G. PRE-ASSEMBLE ITEMS IN SHOP TO GREATEST POSSIBLE EXTENT TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR RE-ASSEMBLY AND COORDINATE INSTALLATION.

H. WELDING PROCEDURES, WELDERS, WELDING OPERATIONS AND TACKERS SHALL BE QUALIFIED IN ACCORDANCE WITH AWS-D1.1- "STRUCTURAL WELDING CODE".

I. FABRICATOR SHALL BE A MEMBER OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION.

J. FABRICATE STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE".

1. UNLESS OTHERWISE SHOWN, FABRICATOR SHALL DESIGN / DETAIL CONNECTIONS IN CONFORMANCE WITH AISC STANDARD FOR FORCES AND MOMENTS SHOWN.

2. WHERE FASTENING SPACINGS OR SIZES ARE NOT SHOWN, CONTRACTOR SHALL USE SPACINGS AND SIZES OF BOLTS, SCREWS, WELDS, ETC., WHICH WILL DEVELOP THE FULL STRENGTH OF THE MEMBERS BEING FASTENED. THUS FAILURE DUE TO OVER-STRESSING MUST OCCUR IN THE MEMBERS BEFORE OCCURRING IN THE FASTENINGS.

PART 2 - PREPARATION / EXECUTION

A. PRE-ASSEMBLE ITEMS IN SHOP TO GREATEST POSSIBLE EXTENT TO MINIMIZE FIELD SPLICING AND ASSEMBLY. DISASSEMBLE UNITS ONLY AS NECESSARY FOR SHIPPING AND HANDLING LIMITATIONS. CLEARLY MARK UNITS FOR RE-ASSEMBLY AND COORDINATE INSTALLATION.

B. SHOP CONNECTIONS SHALL BE WELDED.

C. FIELD CONNECTIONS: HIGH STRENGTH FASTENERS SHALL BE USED FOR BOLTED CONNECTIONS.

1. STRUCTURAL STEEL FY 36 KSI STEEL, ASTM A36.

2. STRUCTURAL STEEL TUBING: FY 46 KSI COLD-FORMED TUBING EXCEPT ROUND, ASTM A500-68, GRADE B.

3. STEEL PIPE: ASTM A53, GRADE B.

4. ANCHOR BOLT: CONFORM TO ASTM A307.

5. WELDING ELECTRODES: ASTM A233, E-70 OR BETTER.

6. HIGH STRENGTH THREADED FASTENERS: ASTM A325 OR A-490.

7. METAL STUDS: SIZE ACCORDING TO CONSTRUCTION DOCUMENTS x 20 GAUGE STEEL AT 16" O.C. TRACKS TO BE ANCHORED BY MEDIUM POWER ACTUATED FASTENERS @ 24" O.C.

8. EXTERIOR / INTERIOR METAL STUDS: SIZE ACCORDING TO CONSTRUCTION DOCUMENTS X 25 GAUGE AT 16" O.C..

9. SHOP PAINT PRIMER: STANDARD PRIMER:

a. SSPC PAINT 15

b. TNEMEC 1009 GRAY METAL PRIMER

c. MARTIN-SENOUR CO. #664 RED OXIDE ZINC CHROMATE PRIMER

d. PRATT AND LAMBERT NOXIDE 107, ONE DAY PRIMER-GRAY. E. STEEL SHALL BE CLEAN AND FREE FROM OIL, DIRT, LOOSE MILL SCALE AND ANY OTHER SUBSTANCE THAT WOULD IMPAIR WELDING, PERFORMANCE OF FRICTION-TYPE BOLTED.

05400 METAL FRAMING

LIGHT GAUGE (COLD-FORMED) METAL FRAMING

PART 1 - GENERAL

A. FURNISH AND INSTALL A COMPLETE SYSTEM OF LIGHT GAUGE FRAMING MEMBERS FOR INTERIOR WALL PARTITIONS AND CEILING SUSPENSION COMPONENTS.

1. SYSTEM TO INCLUDE ALL TOP AND BOTTOM RUNNERS, BRACES, CLIP ANGLES, ACCESSORIES, FASTENERS, ETC. FOR EACH TYPE OF FRAMING AS SHOWN ON DRAWINGS.

a. INSTALL METAL FRAMING SYSTEMS IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.

B. QUALITY ASSURANCE - DESIGN AND ANALYSIS OF STRUCTURAL PROPERTIES SHALL COMPLY WITH AISI "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STRUCTURAL STEEL MEMBERS".

C. MATERIALS:

1. 18 GAUGE AND LIGHTER COMPONENTS: FABRICATE COMPONENTS OF COMMERCIAL QUALITY STEEL SHEET, ASTM A446 FOR GALVANIZED FINISH WITH A MINIMUM YIELD POINT OF 33,000 PSI.

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

- 4000 Luxottica Place, Mason, OH 45040 — +1 (513) 765-6000
- 6 Creamery Brook, East Granby, CT 06026 — +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
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8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
SPECIFICATIONS
1 OF 4

Date 10/01/21
Drawn By STAFF
Checked By JHM

Sheet G003

SPECIFICATIONS (2 OF 4)

2. 16 GAUGE AND HEAVIER COMPONENTS: FABRICATE COMPONENTS OF STRUCTURAL QUALITY STEEL SHEET, ASTM A446 FOR GALVANIZED FINISH WITH A MINIMUM YIELD POINT OF 50,000 PSI.

3. METAL STUDS: AISI "C" TYPE STRUCTURAL STUDS; SIZES, GAUGES AND SPACINGS SHOWN OR REQUIRED IF NOT SHOWN; WITH 1-5/8" (41MM) MINIMUM FLANGE WIDTH, 1/2" (13MM) MINIMUM RETURNS AND PRE-PUNCHED HOLES FOR UTILITY INSTALLATION.

a. 18-22 GAUGE (0.05" / 1.2MM - 0.03" / 0.8MM): ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 33 KSI (228 MPA).

b. 12-16 GAUGE (0.11"/2.7MM - 0.06"/1.5MM): ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 40 KSI (276 MPA).

4. TRACK: ASTM A446/A446M GRADE A; MINIMUM YIELD STRESS OF 33 KSI (228 MPA); FORMED STEEL: CHANNEL SHAPED; SAME WIDTH AND GAUGE AS ADJACENT STUDS. EXCEPTION: TOP AND BOTTOM TRACK (RUNNERS) REQUIRING ATTACHMENT OF METAL PANELS SHALL BE MINIMUM 14 GAUGE (0.08"/1.9MM).

5. FASTENINGS:

a. MANUFACTURER'S RECOMMENDED SELF-DRILLING, SELF-TAPPING SCREWS, BOLTS, NUTS AND WASHERS. NON-CORROSIVE.

b. ANCHORAGE DEVICES: POWER ACTUATED FASTENERS, DRILLED EXPANSION BOLTS, OR SCREW WITH SLEEVES.

c. WELDING: COMPLY WITH AWS D1.1 "STRUCTURAL WELDING CODE".

A. MANUFACTURERS:

1. MILCOR / DIVISION OF INRYCO, INC. BY BOSTWICK STEEL FRAMING, THE CECO ALLIED STRUCTURAL INDUSTRIES; DIETRICH INDUSTRIES OR EQUAL.

06100 WOOD BLOCKING AND CURBING

PART 1 - GENERAL

A. PROVIDE AND INSTALL WOOD FURRING, BLOCKING, GROUNDS AND IN-WALL BLOCKING FOR SUPPORT OF GRAB BARS, FIXTURES, EQUIPMENT, CASEWORK, HARDWARE, TRIM AND SIMILAR WORK.

1. BLOCKING AND GROUNDS AT STOREFRONT GLAZING , LOCATIONS AT WEATHER AREAS, AND IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

2. USE NON-COMBUSTIBLE FIRE RETARDANT TREATED (F.R.T.) WOOD ELSEWHERE AS REQUIRED BY STATE AND LOCAL CODES, INCLUDING ANY WOOD STUDS, BLOCKING, FURRING, PLYWOOD, TRIM AND GROUNDS. NEW LUMBER TO BEAR GRADE AND TREATMENT OF ASSOCIATION UNDER WHICH IT WAS PRODUCED.

a. PRESERVATIVE TREATMENT FOR WOOD SPECIFIED ELSEWHERE.

1) PERFORMANCE REQUIREMENTS:

a) MOISTURE CONTENT: AFTER TREATMENT, THE MAXIMUM MOISTURE CONTENT OF WOOD MATERIALS SHALL NOT EXCEED THE FOLLOWING:

i. LUMBER, 2 INCHES AND LESS IN THICKNESS: 19 PERCENT.

ii. PLYWOOD: 15 PERCENT

b) FLAME SPREAD: FIRE RETARDANT TREATED MATERIALS TO HAVE FLAME SPREAD RATING OF 25 OR LESS IN A 30 MINUTE TEST WITH NO EVIDENCE OF SIGNIFICANT PROGRESSIVE COMBUSTION, ASTM E 84, ADDITIONALLY, FLAME FRONT NOT TO PROGRESS MORE THAN 10 1/2 FEET BEYOND CENTER LINE OF BURNER AT ANY TIME.

c) SMOKE DEVELOPED: INTERIOR FINISH AND TRIM MATERIALS, WHERE SPECIFIED, TO HAVE FIRE RETARDANT TREATMENT CONFORMING TO ABOVE REQUIREMENTS FOR "FLAME SPREAD" PLUS SMOKE DEVELOPED RATING OF 25 OR LESS, ASTM E 84.

b. CERTIFICATES: FURNISH AFFIDAVIT IF REQUIRED BY CODE OFFICIAL STATING THAT MATERIALS HAVE BEEN TREATED IN ACCORDANCE WITH SPECIFICATIONS AND THAT MOISTURE CONTENT, AFTER TREATMENT, DOES NOT EXCEED SPECIFIED LIMITS; INCLUDE CHEMICAL USED AND RETENTION OBTAINED FOR PRESSURE TREATED MATERIAL. INCLUDE THE "QUALITY MARK" OF ASSOCIATION HAVING JURISDICTION OVER THE TREATMENT.

c. DELIVER TREATED MATERIALS BUNDLED AND MARKED TO IDENTIFY TREATMENT.

d. STORE TREATED MATERIALS FOR EASY IDENTIFICATION AND PROTECT FROM MOISTURE; PROVIDE WELL VENTILATED DRY STORAGE.

e. HANDLE TREATED MATERIALS IN ACCORDANCE WITH AWPA STANDARDS. IN ADDITION TO USED IN TREATMENT, FURNISH ADDITIONAL MATERIAL FOR FIELD TREATMENT \ MATERIAL OF CUTS.

f. FIELD CUTS AND HOLES: FIELD-TREAT IN ACCORDANCE WITH AWPA M-4.

3. TELEPHONE AND ELECTRICAL PANEL BACK BOARDS.

06100 WOOD BLOCKING AND CURBING

PART 1 - GENERAL

A. PROVIDE AND INSTALL WOOD FURRING, BLOCKING, GROUNDS AND IN-WALL BLOCKING FOR SUPPORT OF GRAB BARS, FIXTURES, EQUIPMENT, CASEWORK, HARDWARE, TRIM AND SIMILAR WORK.

1. BLOCKING AND GROUNDS AT STOREFRONT GLAZING , LOCATIONS AT WEATHER AREAS, AND IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED.

2. USE NON-COMBUSTIBLE FIRE RETARDANT TREATED (F.R.T.) WOOD ELSEWHERE AS REQUIRED BY STATE AND LOCAL CODES, INCLUDING ANY WOOD STUDS, BLOCKING, FURRING, PLYWOOD, TRIM AND GROUNDS. NEW LUMBER TO BEAR GRADE AND TREATMENT OF ASSOCIATION UNDER WHICH IT WAS PRODUCED.

a. PRESERVATIVE TREATMENT FOR WOOD SPECIFIED ELSEWHERE.

1) PERFORMANCE REQUIREMENTS:

a) MOISTURE CONTENT: AFTER TREATMENT, THE MAXIMUM MOISTURE CONTENT OF WOOD MATERIALS SHALL NOT EXCEED THE FOLLOWING:

i. LUMBER, 2 INCHES AND LESS IN THICKNESS: 19 PERCENT.

ii. PLYWOOD: 15 PERCENT

b) FLAME SPREAD: FIRE RETARDANT TREATED MATERIALS TO HAVE FLAME SPREAD RATING OF 25 OR LESS IN A 30 MINUTE TEST WITH NO EVIDENCE OF SIGNIFICANT PROGRESSIVE COMBUSTION, ASTM E 84, ADDITIONALLY, FLAME FRONT NOT TO PROGRESS MORE THAN 10 1/2 FEET BEYOND CENTER LINE OF BURNER AT ANY TIME.

c) SMOKE DEVELOPED: INTERIOR FINISH AND TRIM MATERIALS, WHERE SPECIFIED, TO HAVE FIRE RETARDANT TREATMENT CONFORMING TO ABOVE REQUIREMENTS FOR "FLAME SPREAD" PLUS SMOKE DEVELOPED RATING OF 25 OR LESS, ASTM E 84.

b. CERTIFICATES: FURNISH AFFIDAVIT IF REQUIRED BY CODE OFFICIAL STATING THAT MATERIALS HAVE BEEN TREATED IN ACCORDANCE WITH SPECIFICATIONS AND THAT MOISTURE CONTENT, AFTER TREATMENT, DOES NOT EXCEED SPECIFIED LIMITS; INCLUDE CHEMICAL USED AND RETENTION OBTAINED FOR PRESSURE TREATED MATERIAL. INCLUDE THE "QUALITY MARK" OF ASSOCIATION HAVING JURISDICTION OVER THE TREATMENT.

c. DELIVER TREATED MATERIALS BUNDLED AND MARKED TO IDENTIFY TREATMENT.

d. STORE TREATED MATERIALS FOR EASY IDENTIFICATION AND PROTECT FROM MOISTURE; PROVIDE WELL VENTILATED DRY STORAGE.

e. HANDLE TREATED MATERIALS IN ACCORDANCE WITH AWPA STANDARDS. IN ADDITION TO USED IN TREATMENT, FURNISH ADDITIONAL MATERIAL FOR FIELD TREATMENT \ MATERIAL OF CUTS.

f. FIELD CUTS AND HOLES: FIELD-TREAT IN ACCORDANCE WITH AWPA M-4.

TELEPHONE AND ELECTRICAL PANEL BACK BOARDS.

PART 2 - PREPARATION / EXECUTION

A. SET MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.

B. COORDINATE PARAPET AND FLASHING NAILER INSTALLATION WITH INSTALLATION OF ROOFING. SEE SECTION 01005, E, "ROOF CUTTING AND PATCHING".

C. INSTALL TELEPHONE AND ELECTRICAL PANEL BACK BOARDS WITH PLYWOOD SHEATHING MATERIAL WHERE REQUIRED. SIZE THE BACK BOARD BY 12 INCHES BEYOND SIZE OF ELECTRICAL PANEL.

06210 MILLWORK AND FINISH CARPENTRY

PART 1 - GENERAL

A. FURNISH AND INSTALL FINISHED TRIM, CABINETRY, COUNTERS, DOORS, AND ALL FINISH ITEMS SUCH AS LAMINATES AND FINISH DOOR HARDWARE, AS INDICATED AND DETAILED ON PLANS.

B. SEE DRAWINGS AND RESPONSIBILITY SCHEDULE FOR DETAILS, SIZES, DIMENSIONS.

C. FOLLOW AWI (ARCHITECTURAL WOODWORK INSTITUTE) ARCHITECTURAL WOODWORK QUALITY STANDARDS.

PART 2 - PREPARATION / EXECUTION

A. DO NOT DELIVER OR INSTALL ITEMS UNTIL BUILDING AND ROOMS RECEIVING SUCH ARE COMPLETED AND THOROUGHLY DRY AND FREE OF EXCESSIVE MOISTURE.

B. MILLWORK AND CABINETRY MAY BE SHOP OR FIELD ASSEMBLED AT CONTRACTORS OPTION.

C. INSTALL ITEMS IN A RIGID, STRAIGHT, PLUMB, LEVEL MANNER ACCURATELY FITTED AND SCRIBED TO ABUTTING SURFACES.

D. COUNTERSINK NAILS AND SCREW HEADS AND PATCH AND SAND SMOOTH.

E. CUTTING AND REPAIRING OF THIS WORK FOR ACCOMMODATION OF WORK BY OTHERS SHALL BE DONE AS PART OF MILLWORK RESPONSIBILITY.

F. FINISH WOODWORK SHALL BE DRESSED AND SANDED, FREE FROM MACHINE AND TOOL MARKS, ABRASIONS, RAISED GRAIN OR OTHER DEFECTS.

G. PROTECT FINISHED WORK UNTIL ACCEPTANCE BY TENANT.

06424 LAMINATES

PART 1 - GENERAL

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

PART 2 - PREPARATION / EXECUTION

A. FOLLOW MANUFACTURERS GUIDELINES AND RECOMMENDATIONS FOR ADHESIVE AND SUBSTRATE PREPARATION.

B. SEE MILLWORK SECTION FOR TYPICAL NOTES AND REFERENCES.

END OF DIVISION

DIVISION 07000 - THERMAL AND MOISTURE PROTECTION

07200 INSULATION AND WATERPROOFING

PART 1 - GENERAL

A. FOR INSULATION REQUIRED AT DUCKWORK, PLUMBING LINES, ETC. SEE MECHANICAL / ELECTRICAL SPECIFICATIONS AND DRAWINGS.

B. BATT INSULATION

1. FURNISH AND INSTALL 3 1/2" MIN. THERMAL BATT TYPE INSULATION AT EXTERIOR WALLS OR AS SOUND ATTENUATION BLANKET WHERE SHOWN AND AS SPECIFIED ON DRAWINGS.

2. EXTEND FROM FLOOR TIGHT TO ROOF DECK ABOVE.

3. FURNISH AND INSTALL .004 MIL. VISQUEEN VAPOR BARRIER AT EXTERIOR WALLS ON WARM SIDE OF STUDS.

C. GENERAL CONTRACTOR TO PROVIDE AND INSTALL WATERPROOFING MEMBRANE OVER ENTIRE FLOOR OF REST ROOMS BELOW FINISH FLOORING AND UP WALL A MIN. 4". (ONLY WHERE REST ROOMS ARE LOCATED ABOVE ANOTHER FLOOR.) APPLY PER MANUFACTURERS INSTRUCTIONS AND CAULK AS REQ'D. TO MATCH ADJACENT FINISHES.

D. G.C. SHALL SLEEVE, FIRESTOP, FLASH AND CAULK ALL PENETRATIONS OF FLOORS SO THAT ODORS OR LIQUIDS WILL NOT PENETRATE THE SLAB AT THESE OPENINGS. SUCH SLEEVES SHALL BE INSTALLED ACCORDING TO THE LANDLORD STANDARD DETAILS

07900 JOINT SEALERS / CAULKING

PART 1 - GENERAL

A. PROVIDE AND INSTALL EXPANSION JOINT MATERIAL, SEALANTS AND JOINT BACKING FOR JOINTS BETWEEN DISSIMILAR MATERIALS.

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

PART 2 - PREPARATION / EXECUTION

A. REMOVE LOOSE MATERIALS AND FOREIGN MATTER WHICH MIGHT IMPAIR ADHESION OF SEALANT.

B. CLEAN AND PRIME JOINTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

C. PROTECT ELEMENTS SURROUNDING THE WORK OF THIS SECTION FROM DAMAGE OR DISFIGURATION.

D. INSTALL SEALANT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

E. INSTALL JOINT BACKING.

F. APPLY SEALANT WITHIN RECOMMENDED APPLICATION TEMPERATURE RANGES. CONSULT MANUFACTURER WHEN SEALANT CANNOT BE APPLIED WITHIN THESE TEMPERATURE RANGES.

END OF DIVISION

DIVISION 08000 - DOORS AND WINDOWS

08100 HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

A. INSTALL ALL DOORS, FRAMES, HARDWARE AND RELATED PARTS AND MATERIALS AS INDICATED ON DRAWINGS AND RESPONSIBILITY SCHEDULE.

B. LABELED DOORS: WHERE REQUIRED, PROVIDE U.L. LABEL DOORS AND FRAMES PER APPLICABLE STATE AND LOCAL BUILDING CODES. SUCH TO RECEIVE LABELS ATTACHED STATING RATINGS.

C. FABRICATE AND ERECT TRUE, PLUMB AND SQUARE AS SPECIFIED AND AS DETAILED AND PER MANUFACTURER'S RECOMMENDATIONS.

D. INTERIOR HOLLOW METAL DOORS AND FRAMES FOR INSTALLATION AT DRYWALL AND METAL STUD PARTITIONS.

1. DOORS - 1 3/4" THICK FLUSH MOUNTED "TYPE B" AS MANUFACTURED BY STEELCRAFT. SURFACES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.

a. SEE DOOR SCHEDULE FOR REQUIRED HARDWARE.

b. PROVIDE 8 GA. REINFORCEMENT AT HINGES, AND 14 GA. REINFORCEMENT AT LOCK AND CLOSERS.

2. FRAMES - 2" FRONT FACE - 16 GA. HOLLOW METAL WITH CONTINUOUSLY WELDED CORNERS. SURFACES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.

a. PROVIDE 8 GA. REINFORCEMENT AT HINGES AND 14 GA. REINFORCEMENT AT LOCK AND CLOSERS.

b. INSTALL ADJUSTABLE JAMB ANCHOR 4" DOWN FROM HEAD AND WELDED-IN BASE ANCHOR AT EACH JAMB.

PART 2 - PREPARATION /EXECUTION

A. INSTALL FRAMES IN ACCORDANCE WITH SDI-100.

B. COORDINATE WITH WALL CONSTRUCTION FOR ANCHOR PLACEMENT.

C. COORDINATE INSTALLATION OF FRAMES WITH INSTALLATION OF DOORS AND HARDWARE AS SPECIFIED IN DOOR SCHEDULE AND ON DRAWINGS.

FOLLOW DOOR HARDWARE INSTITUTE (DHI) GUIDELINES.

08110 INSULATED STEEL DOORS

PART 1 - GENERAL

A. NON-RATED THERMALLY INSULATED STEEL DOORS AT EXTERIOR OPENINGS.

1. DOORS THERMALLY INSULATED L-16 WITH POLYSTYRENE CORE (R=7.7): SDI-100 GRADE AS MANUFACTURED BY STEELCRAFT, CINCINNATI, OHIO, OR EQUAL. FRAMES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.

a. SEE DOOR SCHEDULE FOR REQUIRED HARDWARE.

b. PROVIDE 14 GA. REINFORCEMENT AT CLOSER AND LOCKS AND 8 GA. REINFORCEMENT AT HINGES.

2. FRAME - 12 GA. COLD ROLLED STEEL, ARC WELDED AT CORNERS AND GROUND SMOOTH AS MANUFACTURED BY STEELCRAFT OR EQUAL. FRAMES TO BE PHOSPHATIZED AND RECEIVE ONE COAT BAKED ON PRIMER READY TO RECEIVE PAINT.

a. PROVIDE 14 GA. REINFORCEMENT AT CLOSER AND LOCKS AND 8 GA. REINFORCEMENT AT HINGES.

b. INSTALL MINIMUM THREE (3) JAMB ANCHORS AND BASE ANCHORS EACH SIDE.

PART 2 - PREPARATION / EXECUTION

A. INSTALL FRAMES IN ACCORDANCE WITH SDI-100.

B. COORDINATE WITH MASONRY WALL CONSTRUCTION FOR ANCHOR PLACEMENT.

C. COORDINATE INSTALLATION OF FRAMES WITH INSTALLATION OF HARDWARE SPECIFIED IN DOOR SCHEDULE.

FOLLOW DOOR HARDWARE INSTITUTE (DHI) GUIDELINES.

08400 ALUMINUM ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

A. THIS SECTION INCLUDES ALL ALUMINUM/GLASS DOORS, DOOR HARDWARE SPECIFICALLY SUPPLIED BY DOOR MANUFACTURER, EXTRUDED ALUMINUM GLAZING FRAMES COMPLETE WITH ACCESSORIES AND GLASS AS DETAILED ON THE DRAWINGS AND RESPONSIBILITY SCHEDULE.

1. ALUMINUM/TEMPERED GLASS ENTRANCE DOORS SHALL BE KAWNEER (SEE PARAGRAPH 2 OF THIS SECTION) SERIES 350 (SIZES OF VERTICAL STILE AND TOP RAIL AS PER PLANS AND DETAILS) SINGLE ACTING WITH 1/2" TEMPERED GLASS INFILL SET WITH ELASTOMERIC GASKETS.

a. HARDWARE - TO INSURE SINGLE SOURCE RESPONSIBILITY, THE FOLLOWING SHALL BE PROVIDED AND INSTALLED BY THE DOOR SUPPLIER / INSTALLER

HINGING - TOP PATCH AND BOTTOM PIVOTS
CLOSERS - NORTON SERIES 1600 - ONE PER DOOR LEAF
PUSH/PULL - KAWNEER "F-2"
LOCKS - DEADLOCK: "BEST CORE"
THRESHOLD - MILL FINISH ALUMINUM MAXIMUM 1/2" HIGH

b. MANUFACTURERS: KAWNEER COMPANY, INC. , NORCROSS, GA UNITED STATES ALUMINUM CORP., ROCK HILL SC

c. FINAL FINISHES MUST MATCH EXACTLY. COLORS TO BE AS SPECIFIED ON FINISH SCHEDULE.

B. ALUMINUM GLAZING FRAME.

1. KAWNEER (SEE PARAGRAPH 3 OF THIS SECTION) TRIFAB II 451 SERIES, (MULLION, RAIL, POST AND BASE SIZES AS PER PLANS AND DETAILS) FOR INFILL WITH 1/2" CLEAR TEMPERED GLASS.

2. PROVIDE AND INSTALL ALL INTERNAL SUPPORT FRAMING, RELATED FLASHINGS, ANCHORAGE AND ATTACHMENT DEVICES.

3. MANUFACTURERS: KAWNEER COMPANY, INC., NORCROSS, GA UNITED STATES ALUMINUM CORP., ROCK HILL, SC

4. FINAL FINISH MUST MATCH EXACTLY COLORS AS SPECIFIED ON FINISH SCHEDULE, IF EXACT COLOR IS NOT AVAILABLE THROUGH MANUFACTURER PAINT CONTRACTOR SHALL FIELD PAINT.

C. GLAZING

1. EXTERIOR - 1/2" CLEAR INSULATED GLASS FOR INFILL INTO GLAZING FRAME.

PART 2 - PREPARATION / EXECUTION

A. VERIFY DIMENSIONS, TOLERANCES AND ATTACHMENTS AND SHIMS TO PERMIT SUFFICIENT ADJUSTMENTS TO ACCOMMODATE IRREGULARITIES.

B. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.

C. ALL JOINTS BETWEEN FRAMING AND BUILDING STRUCTURE SHALL BE SEALED TO PROVIDE WATERTIGHT INSTALLATION.

D. INSTALL SEALANT AND BACKING MATERIALS AT PERIMETER OF FRAME.

08710 DOOR HARDWARE

PART 1 - GENERAL

A. FURNISH AND INSTALL FINISH HARDWARE FOR INTERIOR AND EXTERIOR DOORS, ROLLING GRILLES AND WINDOWS.

B. SEE DOOR SCHEDULE FOR SPECIFIC ITEMS, MANUFACTURERS AND MODEL NUMBERS.

C. FOLLOW DHI (DOOR AND HARDWARE INSTITUTE) STANDARDS AND GUIDELINES AND AWI (AMERICAN WOODWORKING INSTITUTE) STANDARDS FOR HARDWARE INSTALLED ON WOOD DOORS.

D. FIRE RATED HARDWARE SHALL FOLLOW GUIDELINES AS ESTABLISHED BY:

1. NFPA 80 - FIRE DOORS AND WINDOWS.
2. NFPA 101 - LIFE SAFETY CODE.
3. NFPA 252 - FIRE TESTS OF DOOR ASSEMBLIES.
4. UL 10B - SAFETY FIRE TESTS OF DOOR ASSEMBLIES.
5. UL 305 - SAFETY PANIC HARDWARE.

E. FURNISH OWNER WITH MAINTENANCE DATA, MAINTENANCE PROCEDURES, MANUFACTURERS WARRANTIES AND SPECIAL TOOLS.

F. FINISHES: AS NOTED ON PLANS AND SCHEDULES.

G. KEYING

1. GENERAL CONTRACTOR TO COORDINATE KEYING AND MASTER KEYING WITH CONSTRUCTION MANAGER.

2. GENERAL CONTRACTOR TO INSTALL CONSTRUCTION CORES DURING CONSTRUCTION AND REPLACE WITH PERMANENT AT END OF JOB PRIOR TO TURN-OVER.

H. SEE SECTION ON ALUMINUM ENTRANCES FOR HARDWARE SPECIFIC TO THOSE DOORS

I. MANUFACTURERS:

1. HINGES: STANLEY FBB 179 AVERAGE FREQUENCY, OR EQUAL. EXTERIOR DOORS TO RECEIVE TAMPERPROOF BUTTS AND/OR LATCH GUARDS.

2. LOCKSETS/LATCHES: SCHLAGE D-SERIES, SPARTA DESIGN w/ROSE, OR EQUAL. LOCKSETS TO RECEIVE INTERCHANGEABLE CORE CYLINDERS TO ACCEPT "BEST CORE". SEE KEYING NOTES THIS SECTION.

3. CLOSERS: NORTON - POWER ADJUSTABLE CLOSER FOR BARRIER FREE OPERATION. SERIES 8301 BF OR EQUAL.

4. THRESHOLDS, SWEEPS AND WEATHER STRIPPING:
THERMAL BARRIER SADDLE THRESHOLD - PEMKO #252X2AFG, MAXIMUM HEIGHT 1/2", OR EQUAL.
DOOR BOTTOM SWEEP - PEMKO #315CN, OR EQUAL.
RIGID JAMB WEATHERSTRIP - PEMKO #303AV, OR EQUAL.

5. STOPS, KICKPLATES AND SILENCER;
WALL STOP - IVES #407, OR EQUAL
FLOOR STOP - IVES #436, OR EQUAL
DOOR SILENCER - IVES #20, OR EQUAL
KICKPLATE - IVES #8400, 8" HIGH X FULL WIDTH OF DOOR, OR EQUAL SCREW TO MATCH KICKPLATE. ONE-WAY VIEWER (PEEP) - IVES #696, OR EQUAL.

PART 2 - PREPARATION / EXECUTION

A. COORDINATE THE WORK WITH OTHER DIRECTLY AFFECTED SECTIONS INVOLVING MANUFACTURE OR FABRICATION OF INTERNAL REINFORCEMENT FOR DOOR HARDWARE AND RECESSED ITEMS.

B. VERIFY THAT DOORS AND FRAMES ARE READY TO RECEIVE WORK AND DIMENSIONS ARE AS INDICATED.

C. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

D. USE TEMPLATES PROVIDED BY HARDWARE ITEM MANUFACTURER.

E. ADJUST HARDWARE FOR SMOOTH OPERATION.

08800 GLAZING

PART 1 - GENERAL

A. FURNISH AND INSTALL A COMPLETE SYSTEM OF GLASS, GLAZING CHANNELS, SEALANT, SETTING BLOCKS AND ACCESSORIES AS SHOWN AND DETAILED ON THE DRAWINGS AND RESPONSIBILITY SCHEDULE.

B. SEE PLANS AND ELEVATIONS FOR SIZE AND NUMBER OF PANES.

C. FOLLOW RECOMMENDATIONS FOR INSTALLATION CONTAINED IN THE FGMA (FLOAT GLASS MANUFACTURERS ASSOCIATION) GLAZING AND SEALANT MANUALS AS WELL AS SIGMA (SEALED INSULATED GLASS MANUFACTURE. ASSOCIATION) FOR INSULATED GLASS.

D. IT IS THE GLAZING CONTRACTORS SOLE RESPONSIBILITY TO VERIFY THAT THE GLASS IS SIZED TO WITHSTAND DEAD LOADS, POSITIVE AND NEGATIVE LIVE LOADS, ACTING NORMAL TO PLANE OF GLASS AS CALCULATED IN ACCORDANCE WITH LOCAL AND STATE CODES.

E. MATERIAL FOR INTERIOR STOREFRONT GLASS:

1. CLEAR GLASS - ASTM C1048, FT-FULLY TEMP., QUALITY-q3 GLAZING SELECT.

2. THICKNESS AS SHOWN ON PLAN.

3. EACH INDIVIDUAL PANE TO RECEIVE TEMPERED STAMP INDICATING SUCH.

F. MATERIAL FOR EXTERIOR STOREFRONT IN METAL GLAZING SYSTEM.

1. INSULATED GLASS UNITS - LOW E - TYPE SG-B - ASTM E774 AND E773 DOUBLE PANE WITH GLASS ELASTOMER EDGE SEAL; OUTER PANE OF CLEAR GLASS, INNER PANE OF LOW E CLEAR GLASS ON CLEAR COLOR GLASS.

a. PROVIDE TEMPERED GLASS UNITS WHERE INDICATED ON PLAN OR AS REQUIRED BY JURISDICTIONAL CODES.

PART 2 - PREPARATION / EXECUTION

A. VERIFY THAT OPENINGS FOR GLAZING ARE CORRECTLY SIZED AND WITHIN TOLERANCE.

B. VERIFY THAT SURFACES OF GLAZING CHANNELS OR RECESSES ARE CLEAN, FREE OF OBSTRUCTIONS THAT MAY IMPEDE MOISTURE MOVEMENT, WEEPS ARE CLEAR, AND READY TO RECEIVE GLAZING.

C. CUT GLASS PANES TO ACCURATE SIZES ALLOWING FOR EDGE CLEARANCES AND TOLERANCES.

D. INSTALL SEALANTS RECOMMENDED BY MANUFACTURER WHICH ARE COMPATIBLE WITH MATERIALS THEY WILL BE IN CONTACT WITH.

E. REMOVE GLAZING MATERIALS FROM FINISH SURFACES.

F. REMOVE LABELS AFTER WORK IS COMPLETE. CLEAN GLASS AND ADJACENT SURFACES.

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".

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

STATE OF MISSOURI
AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22
ARCHITECT

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
SPECIFICATIONS
2 OF 4

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet G004

SPECIFICATIONS (3 OF 4)

09250 GYPSUM BOARD SYSTEMS

LEVEL 5 GYPSUM BOARD FINISH SPECIFICATION:

A. 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 AND RECOMMENDATIONS.

B. GYPSUM DRYWALL: ALL GYPSUM BOARD TO BE 5/8" TYPE "X" AS NOTED ON NEW CONSTRUCTION PLAN. REST ROOMS TO RECEIVE MOISTURE RESISTANT GYPSUM BOARD.

C. FASTENERS: DRYWALL SCREWS OF PROPER SIZE AND TYPE PER MANUFACTURERS RECOMMENDATIONS.

D. PROVIDE MATERIALS, JOINT COMPOUNDS, TRIM, EDGES, BEADS, ETC. FROM A SINGLE SOURCE SUPPLIER. ALL TRIM SHALL CONSIST OF A TAPERED, GROOVED, AND PREPUNCHED FIN FOR SCREW ATTACHMENT AND TO ACCEPT BONDING AGENT. ALL BUTT JOINTS ARE TO BE NEAT WITH TIGHT JOINTS, AND ALL CORNERS ARE TO BE MITERED. ALL EDGES, BEADS AND TRIM TO BE PRE-FINISH ALUMINUM.

E. JOINT TREATMENT: U.S. GYPSUM OR GOLD BOND SYSTEM OF COMPOUNDS AND PERFORATED TAPE.

1. ERECT GWB IN A SINGLE LAYER IN THE MOST ECONOMICAL DIRECTION WITH ENDS AND EDGES OCCURRING OVER FIRM BEARING.

2. WALLS, CEILINGS AND SOFFITS, AND ALL TRANSITIONS IN SAME, SHALL BE GIVEN A SMOOTH FINISH.

3. CORNER BEADS SHALL BE APPLIED TO ALL EXTERNAL ANGLES IN STRICT ACCORDANCE WITH THE MANUFACTURERS DIRECTIONS. INSTALL CASING BEADS AT ALL EDGES OF DRYWALL WORK EXCEPT WHERE TERMINATION IS COVERED BY OTHER FINISH. CASING BEADS SHALL BE MITERED AT CORNERS AND INSTALLED NEATLY, FINISHED WITH COMPOUND.

4. JOINTS BETWEEN BOARDS SHALL BE REINFORCED WITH TAPE EXCEPT WHERE CONTROL JOINTS ARE REQUIRED. TAPE FIELD JOINTS, INTERIOR CORNER JOINTS AND WALL TO CEILING JOINTS. FILL JOINTS WITH JOINT FILLING COMPOUND AND EMBED TAPE THEREIN. COVER TAPE WITH BEDDING COMPOUND AND TAPER TO FEATHER EDGES. FILL SCREW HEAD DEPRESSIONS WITH JOINT FILLING COMPOUND AND FEATHER THE EDGES. ALLOW TO DRY.

5. 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.

6. SAND JOINT AND SCREW HEAD AREAS LIGHTLY BETWEEN COATS AND AFTER THE FINAL COAT SO THAT A SMOOTH LEVEL SURFACE IS PRODUCED WITH THE PAPER SURFACE OF THE WALLBOARD FREE OF SCUFFING.

F. PATCH AND/OR REPAIR EXISTING DRYWALL TO REMAIN TO LIKE NEW CONDITION. LEVEL ANY UNEVEN OR ROUGH SPOTS AND FINISH SMOOTH. BULGES AND VISUAL DEPRESSIONS ARE NOT ACCEPTABLE.

G. INSTALL CEMENTITIOUS BACKER BOARD AT ALL AREAS TO RECEIVE TILE OR MARBLE, OR AS SHOWN ON =DRAWINGS.

H. ACCESS PANELS:

1. G.C. SHALL PROVIDE AND INSTALL ACCESS PANELS AS REQUIRED BY LANDLORD AND SITE CONDITIONS (COORDINATE SIZE REQUIREMENTS, NUMBER OF PANELS REQUIRED AND LOCATIONS WITH LANDLORD AND ALL MECHANICAL TRADES).

2. ACCESS PANELS SHALL BE FLUSH TYPE (NO EXPOSED FLANGES) STYLE AS MANUFACTURED BY: INTEX FORMS INC. - GLASS FIBER (GFRG) FLUSH ACCESS PANEL

PHONE NUMBER: 650-654-7855

(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. IF NO COLOR IS INDICATED, A GROUT TO MATCH TILE IS TO BE USED.

C. ALL CERAMIC TILE BASES INSTALLED SHALL BE SANITARY COVE TYPE. REFER TO FINISH SCHEDULE FOR SPECIFICATIONS.

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 SYMMETRICALLY WITH EVEN JOINT ON ALL FLOOR AND WALL SURFACES. ALIGN JOINTS WITH MALL PATTERN, WHERE APPLICABLE.

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 HEAVILY TRAVELED, NEWLY TILED AREAS AS REQUIRED.

I. INSTALL TILES USING THINSET METHOD WITH 1/16" 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 SUPPLY AND INSTALL 1/8" X 12" X 12" VINYL RESILIENT TILES, AS SHOWN AND SPECIFIED ON THE DRAWINGS.

B. INSTALL 4" HIGH X 1/8" THICK, TOP SET, COVED VINYL BASE, AT ALL WALLS IN AREAS TO RECEIVE VINYL TILE FLOORING, AS 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.

ALL VCT SHALL BE CLEANED, SEALED, AND WAXED BY G.C. PRIOR TO TURNOVER.

09652 WOOD FLOORING

PART 1 - GENERAL

A. FINISHED WOOD FLOOR AS SPECIFIED IN FINISH AND RESPONSIBILITY SCHEDULES. INSTALLED PER MANUFACTURER'S PRINTED INSTRUCTIONS AND RECOMMENDATIONS.

B. MATERIALS SHALL BE LISTED WITH UNDERWRITERS LABORATORIES AS TO FIRE AND SLIP RESISTANCE.

C. ARCHITECTURAL TRIM, i.e. REDUCER STRIPS, BANDS, PICKETS, ETC., SHALL BE OF SAME MANUFACTURER AND FINISH AS WOOD FLOOR.

PART 2 - PREPARATION / EXECUTION

REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200 "INSULATION AND WATERPROOFING"

A. GENERAL CONTRACTOR TO BROOM CLEAN FLOORING AS IT IS INSTALLED. PROTECT FLOORING IMMEDIATELY WITH BROWN KRAFT PAPER AND INSTALL MASONITE, ORIENTED STRAND BOARD OR OTHER PROTECTIVE FLOOR PANELS OVER ENTIRE WOOD FLOOR.

B. NO FLOORING TO BE EXPOSED UNTIL LAST DAY OF FIXTURING AND PROP INSTALLATION.

C. FLOOR CLEAN-UP: FOLLOWING COMPLETION OF WORK BY OTHER TRADES, THE PROTECTIVE COVERING PLACED AFTER INSTALLATION SHOULD BE REMOVED; FOLLOWED BY SWEEPING, VACUUMING AND/OR DRY MOPPING TO REMOVE ALL LOOSE DEBRIS.

09680 CARPET

PART 1 - GENERAL

A. CONDITION CARPET AND ADHESIVES FOR AT LEAST 48 HOURS AT A MINIMUM TEMPERATURE OF 65 DEGREES FAHRENHEIT. THE FLOOR SHOULD ALSO BE CONDITIONED AT A TEMPERATURE ABOVE 65 DEGREES F FOR AT LEAST 24 HOURS PRIOR TO INSTALLATION. THE FLOOR MUST BE SWEPT FREE OF DUST AND DEBRIS.

B. NEW CONCRETE MUST BE CURED PREFERABLY FOR 90 DAYS BEFORE INSTALLING CARPET. CHECK THE SLAB FOR ALKALINITY, WHICH SHOULD BE LESS THAN 9.0 pH IF NECESSARY, NEUTRALIZE THE FLOOR WITH AN ACID WASH OF 10 PARTS WATER TO ONE PART MURIATIC ACID AND RINSE THOROUGHLY. A SEALER SHOULD BE USED TO INSURE A GOOD BONDING SURFACE. EXISTING CONCRETE MAY REQUIRE RESEALING TO ASSURE A PROPER SURFACE.

C. REMOVE, REPLACE OR PATCH OLD VINYL TILE OR LINOLEUM, STRIP OLD WAX BY MOPPING WITH AMMONIA AND WATER, AND FILL IN GROUT LINES ON CERAMIC FLOORS WITH A LATEX FLASHING COMPOUND, AS APPLICABLE.

D. REMOVE ANY FINISHES, WAXES, PAINT, ETC. FROM WOOD FLOORS. THE SURFACE MUST BE LEVEL AND CRACKS MAY REQUIRE A FLASHING COMPOUND. PLYWOOD OR PARTICLE BOARD MAY BE NECESSARY TO OFFSET UNEVEN FLOORS, BUT MUST BE PRIMED PRIOR TO INSTALLATION.

E. CUT-BACK ADHESIVE MUST BE FLASHED OVER. USING A NOTCHED TROWEL, PATCH AND LET CURE. SMOOTH OVER WITH A SECOND COAT OF PATCH, USING THE FLAT SIDE OF THE TROWEL TO FILL IN THE RIDGES. ALLOW THE NEWLY FLASHED FLOOR TO CURE.

F. CARPET CONTRACTOR TO ESTABLISH HIS OWN TAKEOFFS AND COORDINATE HIS TAKEOFFS WITH THE AMOUNT SHIPPED BY TENANT AND CONTACT THE CONSTRUCTION COORDINATOR OF ANY DISCREPANCIES.

G. INSTALL PER FLOOR AND WALL FINISH PLAN AND PROVIDE TENANT WITH SEAM LAYOUT PRIOR TO CUTTING / INSTALLATION. H. FILL ALL CRACKS, JOINTS, ETC. IN SUB-FLOOR WITH CRACK FILLER APPROVED BY CARPET MANUFACTURER.

H. PROVIDE DIRECT GLUEDOWN INSTALLATION USING MATERIAL AND METHODS RECOMMENDED BY CARPET MANUFACTURER. SEAL ALL SEAMS WITH SEAM ADHESIVE.

09700 LAMINATED WOOD FLOORING

PART 1 - GENERAL

A. WOOD LAMINATE FLOORING: REFER TO FINISH AND RESPONSIBILITY SCHEDULE FOR SIZES, COLORS, AND MANUFACTURERS.

B. PREP FLOOR AS RECOMMENDED BY THE MANUFACTURER.

C. INSTALL COMPLETE PER MANUFACTURER'S SPECIFICATIONS, INCLUDING ALL TRANSITION STRIPS AND EXPANSION JOINTS AS REQUIRED FOR PROPER INSTALLATION.

PART 2 - PREPARATION / EXECUTION

REFER TO SECTION 03732 "CONCRETE REPAIR / PREPARATION". AND TO SECTION 07200 "INSULATION AND WATERPROOFING"

A. GENERAL CONTRACTOR TO RECEIVE AND STORE MATERIAL. G.C. MUST OPEN BOXES A MINIMUM OF 48 HOURS IN ADVANCE OF INSTALLATION TO ACCLIMATE PRODUCT TO TEMPERATURE AND HUMIDITY OF AREA TO RECEIVE INSTALLATION.

B. PREPARE SUBFLOOR OR EXISTING FLOOR SYSTEM AS RECOMMENDED BY MANUFACTURER.

C. INSTALL POLYETHYLENE FILM ON CONCRETE SUBFLOOR.

D. INSTALL "WHISPERWALK".

E. INSTALL LAMINATE FLOORING AS A "FLOATING" FLOOR. BEGIN INSTALLATION ALONG WALL WITH TONGUE FACING WALL ACCORDING TO MANUFACTURER'S PROCEDURES. APPLY GLUE TO GROOVES WITH PLANKS IN PLACE ON FLOOR. ENSURE JOINTS ARE COMPLETELY SEALED WITH GLUE. DO NOT NAIL, SCREW OR FASTEN FLOORING TO SUBFLOOR.

F. PROVIDE ADEQUATE EXPANSION SPACE AT PERIMETER, COLUMNS, AND AT ALL ALL OTHER OBSTRUCTIONS.

G. INSTALL SPECIFIED BASE OR TRIM AT PERIMETER, COLUMNS, AND AT ALL OTHER OBSTRUCTIONS.

H. NO FLOORING TO BE EXPOSED UNTIL LAST DAY OF FIXTURING AND MERCHANDISE INSTALLATION.

I. FLOOR CLEANUP: FOLLOWING COMPLETION OF WORK BY OTHER TRADES, THE PROTECTIVE COVERING PLACED AFTER INSTALLATION SHOULD BE REMOVED; FOLLOWED BY SWEEPING, VACUUMING AND/OR DRY MOPPING TO REMOVE ALL LOOSE DEBRIS.

09910 PAINTING AND FINISHING

PART 1 - GENERAL

A. THE INTENT IS TO PROVIDE A SATISFACTORY FINISH TO ALL PARTS OF THIS PROJECT. FINISH APPEARANCE MUST BE UNIFORM, SMOOTH, AND FREE OF ANY RUNS, SAGS, AND DEFECTIVE BRUSHING OR SPRAYING. COVER ALL SURFACES THOROUGHLY IF THE NUMBER OF COATS RECOMMENDED BY MANUFACTURER DOES NOT ACCOMPLISH THE INTENT, THEN APPLY ADDITIONAL COATS UNTIL COVERAGE IS SATISFACTORY. SEE FINISH SCHEDULE FOR PAINT COLORS, MANUFACTURER, ETC.

B. USE ONLY THE PAINT AND RELATED MATERIALS SPECIFIED BY THE MANUFACTURER. SEE FINISH SCHEDULE FOR SPECIFIC COLORS. ALTERNATES ARE NOT PERMITTED.

PART 2 - PREPARATION / EXECUTION

A. CLEAN ALL SURFACES TO BE PAINTED FREE OF LOOSE DIRT AND DUST BEFORE WORK IS STARTED. WASH ALL METAL SURFACES WITH MINERAL SPIRITS BEFORE APPLYING FINISHES. WHERE RUST OR SCALE IS PRESENT, WIRE BRUSH OR SAND CLEAN BEFORE APPLYING FINISH.

B. PAINTED DRYWALL TO RECEIVE ONE COAT LATEX PRIMER AND TWO COATS OF SPECIFIED PAINT. TINT PRIMER TO APPROXIMATE SHADE OF THE FINAL COAT. 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.

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.

PART 2 - PREPARATION / EXECUTION

A. INSTALL MOUNTING BRACKETS AT HEIGHTS TO COMPLY WITH APPLICABLE REGULATIONS OF GOVERNIN AUTHORITIES.

B. SECURE MOUNTING BRACKETS TO STRUCTURE, SQUARE AND PLUMB, TO COMPLY WITH MANUFACTURER'S INSTRUCTIONS.

C. ALL SALES AREAS AND PUBLIC AREAS TO HAVE RECESSED BRASS CABINETS PROVIDED AND INSTALLED BY G.C.

10800 TOILET ROOM ACCESSORIES

PART 1 - GENERAL

A. TENANT 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.

E. STEAM PRESS SUPPLIED BY TENANT SHALL BE INSTALLED BY G.C.'S CERTIFIED STEAM FITTER/PLUMBER FOR FINAL CONNECTIONS.

11110 MISCELLANEOUS

PART 1 - GENERAL

A. GENERAL CONTRACTOR TO INSTALL TRAFFIC COUNTING SYSTEM PER MANUFACTURER'S SPECIFICATIONS.

1. THE SYSTEM'S TRANSMITTER AND REFLECTOR ARE TO BE INSTALLED AT EACH PUBLIC ENTRANCE, 52" A.F.F., AS INDICATED IN DRAWINGS. DOOR SWING NOR ANY OTHER OBSTRUCTION SHOULD BLOCK THE "BEAM" PATH.

2. THE SYSTEM'S RECEIVER IS TO BE INSTALLED IN CASH-DESK CABINETRY.

B. GENERAL CONTRACTOR TO INSTALL FULL HEIGHT, WHITE CORNER GUARDS WITH WHITE ADHESIVE WHERE INDICATED ON DRAWINGS.

END OF DIVISION

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

STATE OF MISSOURI
AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22
ARCHITECT

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 **REV 09**

Nextore project Number: 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
SPECIFICATIONS
3 OF 4

Date: 10/01/21
Drawn By: STAFF
Checked By: JHM
Sheet: G005

SPECIFICATIONS (4 OF 4)

DIVISION 15000A - PLUMBING
PART 1 - GENERAL

A. GENERAL CONDITIONS, CODES & STANDARDS

1. ALL WORK SHOWN ON THE PLUMBING DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL WORK TO MEET APPLICABLE CODES AS LOCALLY ENFORCED. NO WORK ON THE DRAWINGS IS TO BE INSTALLED WHERE IT CONFLICTS WITH LOCAL CODE ENFORCEMENT. COORDINATE WITH THE LOCAL INSPECTOR PRIOR TO INSTALLATION.
3. 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. ONLY MAJOR EQUIPMENT IS SHOWN ON THE DRAWINGS. THE PLUMBING CONTRACTOR SHALL BID AND CONSTRUCT A COMPLETE AND OPERATIONAL SYSTEM. MISCELLANEOUS EQUIPMENT REQUIRED TO COMPLETE THE WORK IS IN THE PLUMBING CONTRACTOR'S SCOPE - ASSUME NO WORK OR EQUIPMENT IS PROVIDED BY OTHERS UNLESS STATED AS SUCH.
2. DURING BIDDING:
   - 2.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.
   - 2.3. WHERE THERE IS A CONFLICT THAT CANNOT BE RESOLVED BY THE GENERAL CONTRACTOR, ADVISE ENGINEER PROMPTLY FOR A RESOLUTION. DO NOT PROVIDE WORK WHEN THERE IS UNCERTAINTY ON WHAT WORK IS TO BE PERFORMED.
3. AS PART OF THE BIDDING PROCESS, REPORT TO THE TENANT ANY ERRORS OR UNCLEAR DIRECTIONS THAT YOU HAVE IDENTIFIED.

C. DOCUMENTS

1. SUBSTITUTIONS
   - 1.1. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EQUIVALENT TO THOSE INDICATED.
2. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS.

D. CONSTRUCTION COORDINATION

1. DURING BIDDING YOU VISITED THE SITE. WORK WITH THE GENERAL CONTRACTOR TO COORDINATE ANY CONFLICTS WITH EXISTING CONDITIONS. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.

PART 2 - MATERIALS
A. GENERAL

1. PROVIDE STOP VALVES AT EVERY FIXTURE ON BOTH HOT AND COLD WATER SUPPLY LINES. VALVES, ESCUTCHEONS, FITTINGS, ETC. MUST BE CHROME PLATED. WHERE EXPOSED, CHROME PLATED PIPE IS TO BE USED.
2. ALL ABOVE GROUND PIPING SHALL BE INSULATED WITH FIBERGLASS PIPING INSULATION WITH AN ALL SERVICE JACKET AND SELF SEALING LAP (ASJ/SSL).
2.1 DOMESTIC HOT AND COLD WATER PIPING UP TO 3/4 INCH DIAMETER - 1/2 INCH THICK.
2.2 FITTINGS AND VALVES SHALL BE INSULATED WITH PRE-MOLDED FIBERGLASS FITTINGS AND COVERED WITH A PRE-FORMED PVC FITTING COVER.

PART 3 - EXECUTION

A. GENERAL

1. THE ENTIRE PLUMBING INSTALLATION, MATERIALS, EQUIPMENT, ETC. SHALL CONFORM TO THE REQUIREMENTS OF THE LOCALLY ENFORCED CODES AND STANDARDS.
1.1. VERIFY FINAL ROUGH IN WITH ARCHITECT PRIOR TO WALL INSTALLATION.
2. PIPING IS TO BE INSTALLED CONCEALED - SURFACE MOUNTED PIPING IN FINISHED AREAS IS NOT ACCEPTABLE.
3. ALL EXPOSED OR ACCESSIBLE P-TRAPS MUST BE PROVIDED WITH BOTTOM CLEANOUT PLUGS.
4. INSULATE EXPOSED P-TRAPS, HOT AND COLD VALVES AND PIPING SERVING HANDICAPPED LAVATORIES.
5. 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.
6. ALL CLEANOUTS ARE TO BE INSTALLED FLUSH WITH THE FINISHED FLOOR OR WALL.

B. INSULATION
1. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
2. MAINTAIN ACCESS TO VALVES

DIVISION 15000B - MECHANICAL
I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. ALL WORK SHOWN ON THE MECHANICAL DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL WORK TO MEET APPLICABLE CODES AS LOCALLY ENFORCED. NO WORK ON THE DRAWINGS IS TO BE INSTALLED WHERE IT CONFLICTS WITH LOCAL CODE ENFORCEMENT. COORDINATE WITH THE LOCAL INSPECTOR PRIOR TO INSTALLATION.
3. 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. ONLY MAJOR EQUIPMENT IS SHOWN ON THE DRAWINGS. THE MECHANICAL CONTRACTOR SHALL BID AND CONSTRUCT A COMPLETE AND OPERATIONAL SYSTEM. MISCELLANEOUS EQUIPMENT REQUIRED TO COMPLETE THE WORK IS IN THE MECHANICAL CONTRACTOR'S SCOPE - ASSUME NO WORK OR EQUIPMENT IS PROVIDED BY OTHERS UNLESS STATED AS SUCH.
2. DURING BIDDING:
   - 2.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.
   - 2.3. WHERE THERE IS A CONFLICT THAT CANNOT BE RESOLVED BY THE GENERAL CONTRACTOR, ADVISE ENGINEER PROMPTLY FOR A RESOLUTION. DO NOT PROVIDE WORK WHEN THERE IS UNCERTAINTY ON WHAT WORK IS TO BE PERFORMED.
3. AS PART OF THE BIDDING PROCESS, REPORT TO THE TENANT ANY ERRORS OR UNCLEAR DIRECTIONS THAT YOU HAVE IDENTIFIED.

C. DOCUMENTS
1. SUBSTITUTIONS
   - 1.1. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EQUIVALENT TO THOSE INDICATED.
2. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS.

D. CONSTRUCTION COORDINATION

1. DURING BIDDING YOU VISITED THE SITE. WORK WITH THE GENERAL CONTRACTOR TO COORDINATE ANY CONFLICTS WITH EXISTING CONDITIONS. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.

II. INSULATION

A. GENERAL

1. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
2. MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
3. INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.
4. ALL DUCTWORK AND PIPING SHALL BE INSULATED

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 SEALED.
2. CHANGES IN DUCT SIZES SHALL BE MADE BY UNIFORM TAPER SECTION WITH A MAXIMUM INCLUDE ANGLE OF DIVERGENCE OF 15DEGREES.
3. 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".
4. FLEXIBLE DUCTS TO DIFFUSERS: MAXIMUM LENGTH OF FLEXIBLE DUCT TO DIFFUSER TO BE 5'-0".

VIII. TESTING AND BALANCING

A. SYSTEM TO BE TESTED AND BALANCED WITH A REPORT SHOWING ACTUAL AIR FLOWS AT NEWLY INSTALLED DIFFUSERS. AIR FLOW TO BE WITHIN 15% OF THE DESIGN VALUE SHOWN ON THE DRAWINGS. WHERE THIS AIR QUANTITY CANNOT BE MET, ADJUST UPSTREAM DAMPERS UNTIL IT IS MET. COORDINATE THIS WORK WITH MACY'S OPERATIONS.

DIVISION 16000 - ELECTRICAL

PART I - GENERAL
A. GENERAL CONDITIONS, CODES & STANDARDS
1. ALL WORK SHOWN ON THE ELECTRICAL DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL WORK TO MEET APPLICABLE CODES AS LOCALLY ENFORCED. NO WORK ON THE DRAWINGS IS TO BE INSTALLED WHERE IT CONFLICTS WITH LOCAL CODE ENFORCEMENT. COORDINATE WITH THE LOCAL INSPECTOR PRIOR TO INSTALLATION.
3. ELECTRICAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.
5. TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.

B. SCOPE OF WORK

1. ONLY MAJOR EQUIPMENT IS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL BID AND CONSTRUCT A COMPLETE AND OPERATIONAL SYSTEM. MISCELLANEOUS EQUIPMENT REQUIRED TO COMPLETE THE WORK IS IN THE ELECTRICAL CONTRACTOR'S SCOPE - ASSUME NO WORK OR EQUIPMENT IS PROVIDED BY OTHERS UNLESS STATED AS SUCH.
2. DURING BIDDING:
   - 2.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.
   - 2.3. WHERE THERE IS A CONFLICT THAT CANNOT BE RESOLVED BY THE GENERAL CONTRACTOR, ADVISE ENGINEER PROMPTLY FOR A RESOLUTION. DO NOT PROVIDE WORK WHEN THERE IS UNCERTAINTY ON WHAT WORK IS TO BE PERFORMED.
3. AS PART OF THE BIDDING PROCESS, REPORT TO THE TENANT ANY ERRORS OR UNCLEAR DIRECTIONS THAT YOU HAVE IDENTIFIED.

C. DOCUMENTS

1. SUBSTITUTIONS
   - 1.1. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EQUIVALENT TO THOSE INDICATED.
2. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS.

D. CONSTRUCTION COORDINATION

1. DURING BIDDING YOU VISITED THE SITE. WORK WITH THE GENERAL CONTRACTOR TO COORDINATE ANY CONFLICTS WITH EXISTING CONDITIONS. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.

PART 2 - PRODUCTS
A. WIRING DEVICES
1. DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, NEMA 5-20R, RATED FOR 20 AMPS, 125 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING.
1.1. SPECIFICATION GRADE DUPLEX RECEPTACLE SHALL BE HUBBELL #5362 SERIES OR APPROVED EQUAL, HEAVY DUTY, WHITE.
1.3. GROUND FAULT CIRCUIT INTERRUPTER (GFI) DUPLEX RECEPTACLES SHALL BE PROVIDED WHERE INDICATED.
2. SWITCHES SHALL BE TOGGLE OPERATED, QUIET TYPE, RATED FOR 20 AMPS, 120/277 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. THREE WAY AND FOUR WAY SWITCHES SHALL BE PROVIDED WHERE INDICATED.
2.1. SINGLE POLE SWITCHES SHALL BE LEVITON #1221 SERIES OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V, WHITE.
2.2. THREE POLE SWITCHES SHALL BE LEVITON #1223 SERIES OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V, WHITE.
3. DIMMERS SHALL BE LEVITON SLIDING DIMMER SWITCH, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED. COLORS OF DEVICES AND COVERPLATES SHALL WHITE.
4. COMBINATION WALL DIMMER/OCCUPANT SENSOR SHALL BE LUTRON MAESTRO 0-10V DIMMER WITH INTEGRAL PASSIVE INFRARED OCCUPANT SENSING, AVAILABLE IN 1-WAY OR 3-WAY CONFIGURATIONS. COLOR TO BE WHITE. VERIFY LOAD SERVED IS COMPATIBLE PRIOR TO ORDERING.
5. WIRING DEVICES SHALL BE SPECIFICATION GRADE.
6. COVERPLATES FOR POWER, DATA & TELEPHONE SHALL BE LEVITON OR APPROVED EQUAL, WHITE, PLASTIC.
LIGHTING CONTRACTORS SHALL BE IN NEMA 1 ENCLOSURE, NORMALLY OPEN ELECTRICALLY HELD, 120V, COIL, 20A. REFER TO PLANS FOR NUMBER OF POLES.
LIGHTING AND RECEPTACLE LOAD CENTERS (PANELS).

1. BRANCH CIRCUIT LOAD CENTERS SHALL BE DEAD FRONT TYPE, WITH MAIN LUGS OR MAIN OVERCURRENT DEVICE AS INDICATED, BRANCH OVERCURRENT DEVICES AS NOTED AND AN EQUIPMENT GROUND BAR, ALL IN A FLUSH MOUNTED SHEET STEEL ENCLOSURE. MINIMUM SHORT CIRCUIT CAPACITY SHALL BE 10,000 AMPS SYMMETRICAL FOR 120/208V, AND 14,000 AMPS SYMMETRICAL FOR 277/480V APPLICATION UNLESS NOTED OTHERWISE. LOAD CENTERS MUST BE SELECTED TO FIT IN A STANDARD STUD WALL.
2. LOAD CENTERS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, ITE/SIEMENS AND WESTINGHOUSE/CUTLER HAMMER.

A. FIXTURES AND LAMPS
1. ALL FIXTURES AND LAMPS ARE FURNISHED BY TENANT, INSTALLED BY ELECTRICAL CONTRACTOR..

D. FIRE ALARM SYSTEM
1. PROVIDED BY MACY'S.

PART 3 - EXECUTION
A. GENERAL MISCELLANEOUS
1. ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED. 2.
2. PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANELBOARDS. PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.
3. INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.
4. ALL FLUSH MOUNTED ;LOADCENTERS SHALL HAVE (3) 3/4" EMPTY CONDUITS INSTALLED TO ABOVE ACCESSIBLE CEILING FOR FUTURE USE.
5. THE FINAL LOCATIONS OF ALL EQUIPMENT, OUTLETS, ETC. SHALL BE SUBJECT TO REASONABLE CHANGES IN LOCATION UP TO THE TIME OF ROUGHING-IN, AT NO ADDITIONAL COST TO THE TENANT.

B. GROUNDING
1. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS AND SUPPLEMENTAL AS REQUIRED TO MEET CODE (SUCH AS ARTICLE 517).

C. TESTS
1. TEST FOR GROUNDS, SHORT CIRCUITS, AND PROPER FUNCTION OF ALL EQUIPMENT AFTER INSTALLATION IS COMPLETE. FAULTS IN THE INSTALLATION SHALL BE CORRECTED AT NO COST TO THE TENANT.

D. DEMOLITION
1. DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT, IF APPLICABLE, SHALL BE PART OF THE ELECTRICAL WORK AS INDICATED ON THE DRAWINGS.

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
● 4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
● 6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
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LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
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Architect of Record

JLL Architecture, LLC

200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
3 REV 09

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
SPECIFICATIONS
4 OF 4

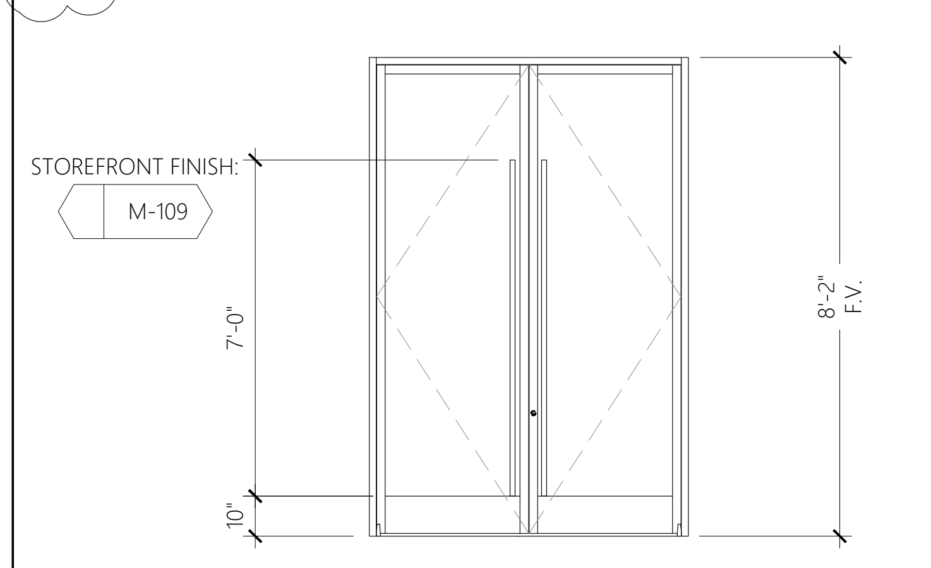
Date 10/01/21
Drawn By STAFF
Checked By JHM

Sheet G006

100 STOREFRONT ENTRY (EXTERIOR)

☐ EXISTING (NO CHANGE)
☐ EXISTING (MODIFIED)
☒ NEW 3

100A-G007-LC06AUGNORM-REV00


STOREFRONT FINISH:
M-109
7'-0"
10"
8'-2"
F.V.

DOOR TYPE

SHOP DRAWINGS TO BE PROVIDED BY DOOR SUPPLIER

JAMB / HEAD TYPE

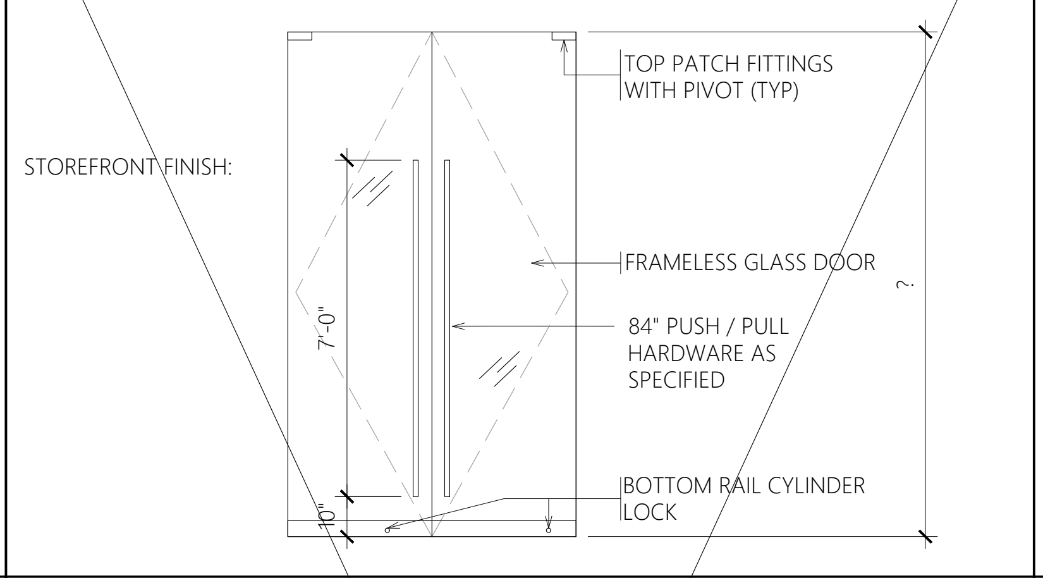
DOOR FINISHED SIZE:	EXISTING PAIR 3'-0" x 8'-0" (F.V.)
DOOR MATERIAL:	ALUMINUM / GLASS
FRAME MATERIAL:	190 NARROW STILE ALUMINUM FRAMELESS HARDWARE CO., 888-295-4531; FINISH; VERIFY WITH NEXTORE PM
HANDLES:	84" x 1 1/4" EXTRA LADDER STYLE BACK-TO-BACK PULL HANDLE SET (VERIFY FINISH TO MATCH STOREFRONT PRIOR TO ORDERING)
WEATHER STRIP:	WEATHER STRIPPING NATIONAL GUARD PRODUCTS INC. #162 DKB AT HEAD & JAMB #15 DKBN OR APPROVED EQ. AT BOTTOM FOR EXTERIOR DOOR CONDITIONS
THRESHOLD:	PEMKO MFG. CO. #175A / ALUMINUM, ALLOY 6063-76 FOR EXTERIOR DOOR CONDITIONS
HINGES:	DOOR MFG BUTT HINGES , STAINLESS STEEL, 5 KNUCKLE, 4 1/2" X 4", NON-REMOVABLE PIN HINGES
LATCH DEVICE:	GENERAL LOCK; DOOR HOOKBOLT; AHB118 AL/DU
FUNCTION LOCK:	EXTERIOR LOCK CORES INSTA-KEY
CLOSURE:	HEAD CLOSER: (EXTERIOR ENTRY DOOR) CONCEALED CLOSER LCN 5030 WITH A HOLD OPEN POSITION OF 90 DEGREES, SINGLE ACTION.
DOOR STOP:	FLOOR STOPS IVES #436; SATIN CHROME
FIRE LABEL:	NONE
JAMB SIZE:	N/A
REMARKS:	• SECURITY SHUTTER - QMI SECURITY SOLUTIONS WHEN REQUIRED

SCHEDULE & HARDWARE

100B STOREFRONT ENTRY (INTERIOR)

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

100B-G007-LC06AUGNORM-REV00


STOREFRONT FINISH:
TOP PATCH FITTINGS WITH PIVOT (TYP)
FRAMELESS GLASS DOOR
84" PUSH / PULL HARDWARE AS SPECIFIED
BOTTOM RAIL CYLINDER LOCK
7'-0"
10"
?

DOOR TYPE

NOT USED

JAMB / HEAD TYPE

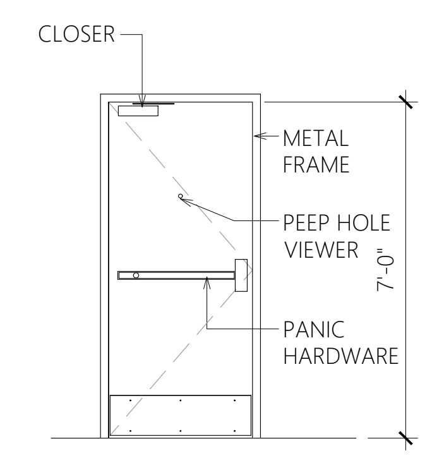
DOOR FINISHED SIZE:	ARCHITECT TO FILL IN BASED ON APPROVED CDS PLAN
DOOR MATERIAL / FINISH:	ALUMINUM & GLASS / M-109 (SEE FINISH SCHEDULE SHEET G008)
FRAME MATERIAL:	ALUMINUM FRAMED DOOR W/ GLASS. KAWNEER 190 NARROW STILE W/ 10" BOTTOM RAIL.
HANDLES:	84" X 1 1/4" EXTRA LADDER STYLE BACK-TO-BACK PULL HANDLE SET (VERIFY FINISH TO MATCH STOREFRONT PRIOR TO ORDERING)
THRESHOLD:	THRESHOLDS PEMKO MFG. CO. #175A / ALUMINUM, ALLOY 6063-76
LATCH DEVICE:	GENERAL LOCK; DOOR HOOKBOLT; AHB118 AL/DU
FUNCTION LOCK:	EXTERIOR LOCK CORES INSTA-KEY
CLOSURE:	HEAD CLOSER: CONCEALED CLOSER LCN 5030 WITH A HOLD OPEN POSITION OF 90 DEGREES, SINGLE ACTION.
FIRE LABEL:	FIRE LABEL:
JAMB SIZE:	JAMB SIZE:
REMARKS:	• SHOP DRAWINGS TO BE APPROVED BY NEXTORE P.M. • ALL FRAMES, HANDLES, HINGES, ETC. TO MATCH FINISH M109 • 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.

SCHEDULE & HARDWARE

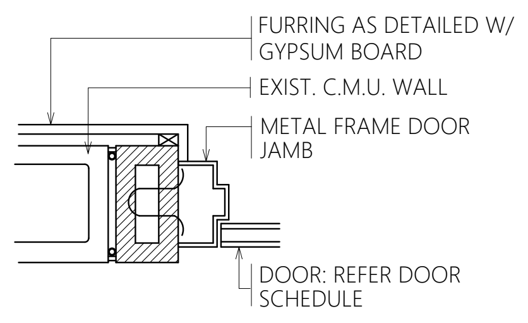
101 EXIT DOOR

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

101-G007-LC06AUGNORM-REV00


CLOSER
METAL FRAME
PEEP HOLE VIEWER
PANIC HARDWARE
7'-0"

DOOR TYPE


FURRING AS DETAILED W/ GYPSUM BOARD
EXIST. C.M.U. WALL
METAL FRAME DOOR JAMB
DOOR: REFER DOOR SCHEDULE

JAMB / HEAD TYPE

DOOR FINISHED SIZE:	EXISTING 3'-0" X 8'-0" (F.V.)
DOOR MATERIAL:	METAL
FRAME MATERIAL:	METAL
THRESHOLD:	PEMKO MFG. CO. #175A / ALUMINUM, ALLOY 6063-76 FOR EXTERIOR DOOR CONDITIONS
HINGES:	DOOR MFG BUTT HINGES , STAINLESS STEEL, 5 KNUCKLE, 4 1/2" X 4", NON-REMOVABLE PIN HINGES
LATCH DEVICE:	• PANIC / ALARM SEC. DEVICE. DETEX V4xEB. USED AT DOORS OPN'G. TO INTERNAL BUILDING AREAS. VERIFY MODEL # IS COMPATIBLE WITH PROJECT CONDITION PRIOR TO ORDERING. • PANIC / ALARM SEC. DEVICE. TRIDENT MODEL TEL-210. USED AT DOORS OPENING TO EXTERNAL BUILDING AREAS. VERIFY MODEL # IS COMPATIBLE WITH PROJECT CONDITION PRIOR TO ORDERING
FUNCTION LOCK:	INTERIOR LOCK CORES BEST ACCESS SYSTEMS 9K SERIES CONSTRUCTION CORE PROVIDED AT PUNCH. GENERAL LOCK; DOOR HOOKBOLT; AHB118 AL/DU
CLOSURE:	DOOR CLOSERS 4400 SERIES YALE COMMERCIAL
KICKPLATE:	STANLEY DOOR SYSTEM; FULL WIDTH X 10"H X 1/8" STAINLESS STEEL. INSTALLED 1" FROM BOTTOM OF DOOR ON PUSH SIDE
DOOR STOP:	WALL BUMPERS IVES #407-1/2" CONCAVE. WS406/407CVX; COLOR: US26D
FIRE LABEL:	B
JAMB SIZE:	VARIES
REMARKS:	SEE PLAN FOR DIRECTION OF SWING. ADD STORE ID, SPACE, BUILDING ADDRESS NUMBERS; PEEP HOLE SCHLAGE WIDE ANGLE DOOR VIEWER #SC698 B 619 NICKEL; DOOR BELL WITH SALES AREA BUZZER LOCATED AT CASHWRAP.

SCHEDULE & HARDWARE

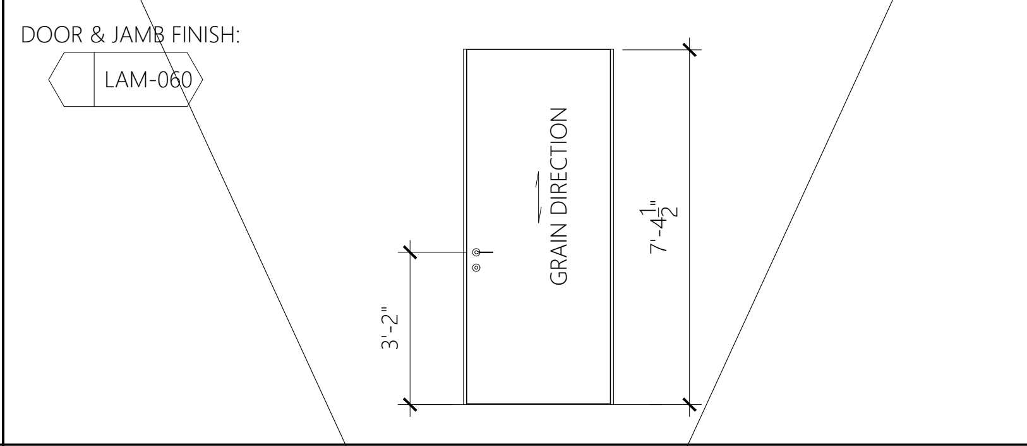
105.1 105.2 105.3

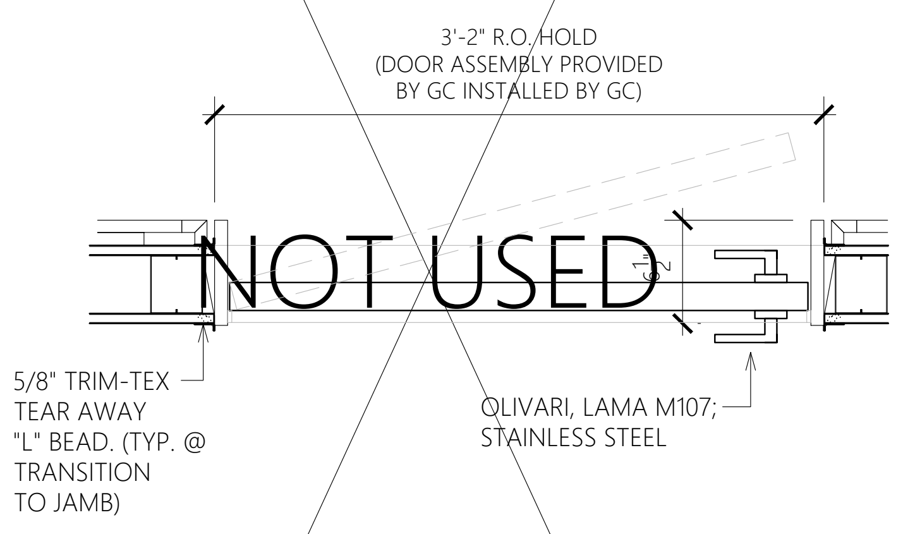
105C 105C 105D

DOOR NUMBER
LOCKSET TYPE

100A-G007-LC06AUGNORM-REV01

105A - LOCKSET; STOREROOM
105B - LOCKSET; CLASSROOM
105C - LOCKSET; PRIVACY
105D - LOCKSET; PASSAGE


DOOR & JAMB FINISH:
LAM-060
GRAIN DIRECTION
7'-4 1/2"
3'-2"


3'-2" R.O. HOLD (DOOR ASSEMBLY PROVIDED BY GC INSTALLED BY GC)
5/8" TRIM-TEX TEAR AWAY "L" BEAD. (TYP. @ TRANSITION TO JAMB)
OLIVARI, LAMA M107; STAINLESS STEEL

NOT USED

JAMB / HEAD TYPE

DOOR FINISHED SIZE:	3'-2" (R.O.)W X 7'-4 1/2"H
TRANSOM:	NONE
DOOR MATERIAL:	SOLID CORE w/ LAMINATE
FRAME MATERIAL:	LAMINATED HARDWOOD
THRESHOLD:	N/A
HINGES:	(3) SOSS CONCEALED HINGES W/ INTEGRATED CLOSURES
LATCH DEVICE:	OLIVARI, LAMA M107; SATIN CHROME (CO)
FUNCTION LOCK:	PAWL
CLOSURE:	INTEGRATED IN HINGES
KICKPLATE:	NONE
DOOR STOP:	WALL BUMPERS IVES #407-1/2" CONCAVE. WS406/407CVX; COLOR: US26D
FIRE LABEL:	NONE
JAMB SIZE:	CUSTOM WOOD CASING
REMARKS:	SEE PLAN FOR DIRECTION OF SWING. ALL LAMINATE: EGGER H3041 ST12 NATURAL EUCALYPTUS

SCHEDULE & HARDWARE

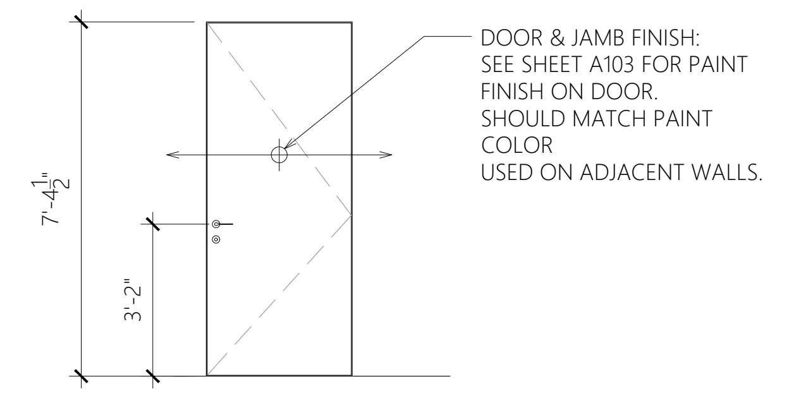
106.1 106.2 106.3 106.4 106.5

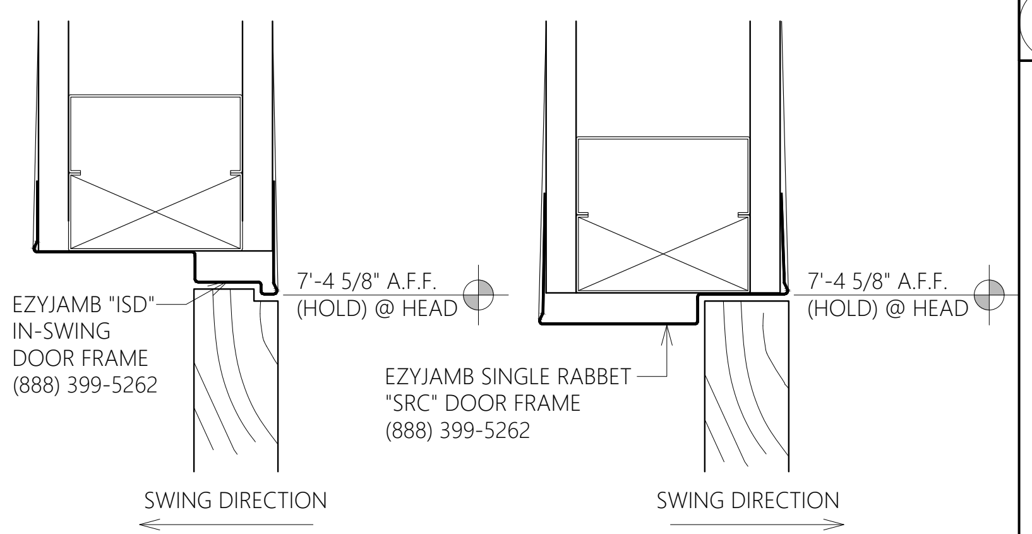
106A 106B 106D 106C 106C

DOOR NUMBER
LOCKSET TYPE

106-G007-LC06AUGNORM-REV00

106A - LOCKSET; STOREROOM
106B - LOCKSET; CLASSROOM
106C - LOCKSET; PRIVACY
106D - LOCKSET; PASSAGE


DOOR & JAMB FINISH: SEE SHEET A103 FOR PAINT FINISH ON DOOR. SHOULD MATCH PAINT COLOR USED ON ADJACENT WALLS.
7'-4 1/2"
3'-2"


EZYJAMB "ISD" IN-SWING DOOR FRAME (888) 399-5262
7'-4 5/8" A.F.F. (HOLD) @ HEAD
EZYJAMB SINGLE RABBET "SRC" DOOR FRAME (888) 399-5262
7'-4 5/8" A.F.F. (HOLD) @ HEAD
SWING DIRECTION
SWING DIRECTION

JAMB / HEAD TYPE

DOOR FINISHED SIZE:	3'-0"W x 7'-4 1/2"H x 2 1/4" SOLID CORE WOOD
TRANSOM:	NONE
DOOR MATERIAL:	WOOD
FRAME MATERIAL:	EZYJAMB (ISD) INSWING DOOR
THRESHOLD:	N/A
HINGES:	(3) SOSS CONCEALED HINGES w/ INTEGRATED CLOSURES
LATCH DEVICE:	OLIVARI, LAMA M107; SATIN CHROME (CO)
FUNCTION LOCK:	PAWL
CLOSURE:	INTEGRATED w/ SOSS HINGE
KICKPLATE:	NONE
DOOR STOP:	FLOOR STOPS IVES #436; SATIN CHROME
FIRE LABEL:	NONE
JAMB SIZE:	4 7/8"
REMARKS:	G.C. RESPONSIBLE FOR ORDERING PROPER JAMB PER DOOR SWING TO ACHIEVE THE SIDE OF THE DOOR THAT IS DESIRED TO BE FLUSH. EZYJAMB TO PROVIDE HINGE TEMPLATE FOR G.C. SUPPLIED DOOR SLAB.

SCHEDULE & HARDWARE

A GENERAL ACCESSIBILITY AND LIFE SAFETY:

A-G007-LC06AUGNORM-REV00

1. EVERY EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, TOOL, OR SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
2. EXIT DOORS (INCLUDING EXISTING DOORS) SHALL NOT BE LESS THAN 36" IN WIDTH HAND NOT LESS THAN 6'-8" IN HEIGHT. PROJECTIONS INCLUDING PANIC HARDWARE, SHALL NOT REDUCE THE OPENINGS TO LESS THAN 32" IN CLEAR WIDTH.
3. HEIGHT OF THRESHOLDS AT EXIT DOORS SHALL BE 1/2" MAXIMUM.
4. CARPET PILE HEIGHT SHALL BE 1/2" MAXIMUM.
5. AISLES LEADING TO REQUIRED EXITS SHALL HAVE A MINIMUM WIDTH OF 44".
6. GLASS DOORS, ADJACENT PANELS, AND ALL GLAZED OPENINGS WITHIN 24" OF ADJACENT FLOORS SHALL BE TEMPERED GLASS.
7. 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.
8. 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.
9. EMERGENCY LIGHTING SHALL BE PROVIDED FROM AN EMERGENCY POWER SYSTEM AND SHALL PROVIDE A VALUE OF ONE FOOT CANDLE AT FLOOR LEVEL.
10. ALL DOORS TO BE OPERABLE IN THE DIRECTION OF EGRESS TRAVEL AT ALL TIMES.

B COMPLIANCE NOTES FOR DOORS:

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

(1) FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

(2) (2) OTHER DOORS.

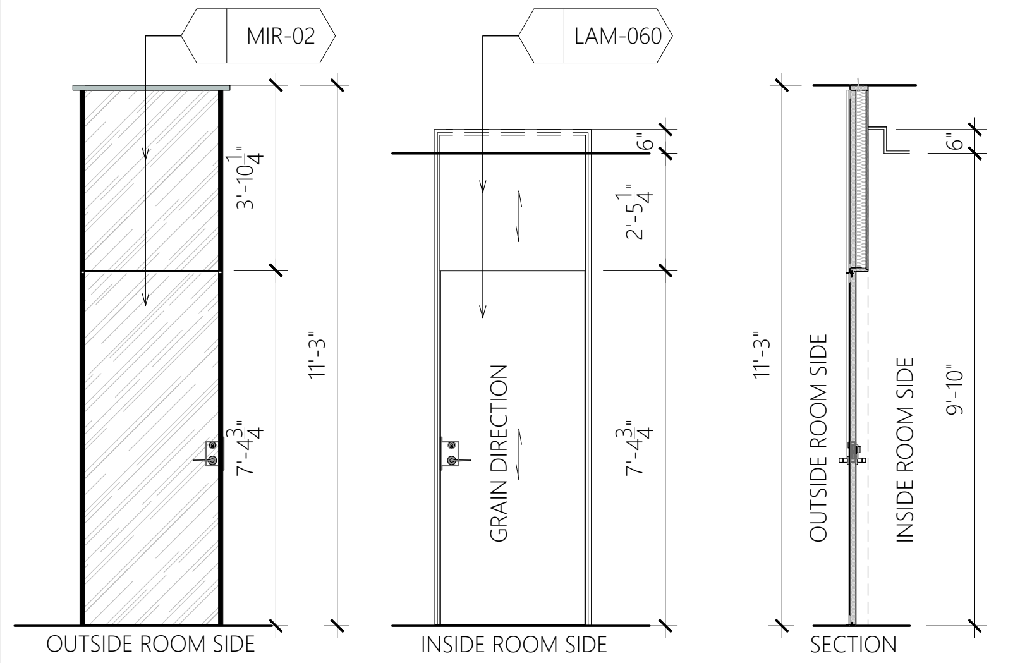
(a) EXTERIOR HINGED DOORS: (RESERVED).

(b) INTERIOR HINGED DOORS: 5 LBF (22.2N).

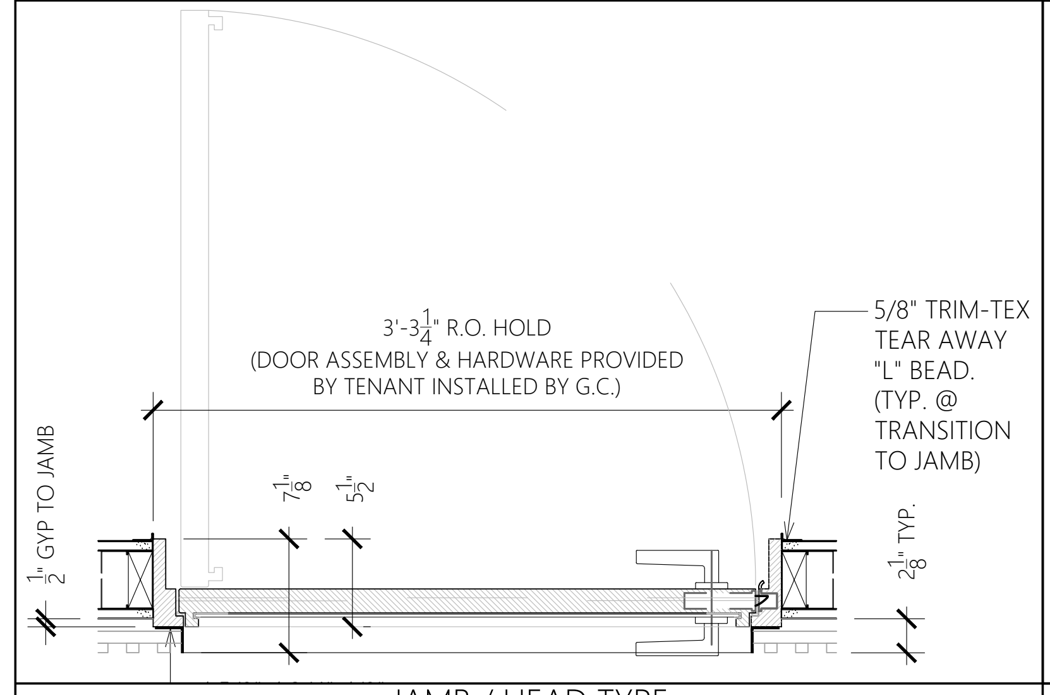
(c) SLIDING OR FOLDING DOORS: 5 LBF (22.2N).

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

107.1 107.2 107.3


MIR-02
LAM-060
3'-10 1/4"
7'-4 3/4"
11'-3"
GRAIN DIRECTION
2'-5 1/4"
7'-4 3/4"
6"
11'-3"
OUTSIDE ROOM SIDE
INSIDE ROOM SIDE
9'-10"
OUTSIDE ROOM SIDE
INSIDE ROOM SIDE
SECTION

DOOR TYPE

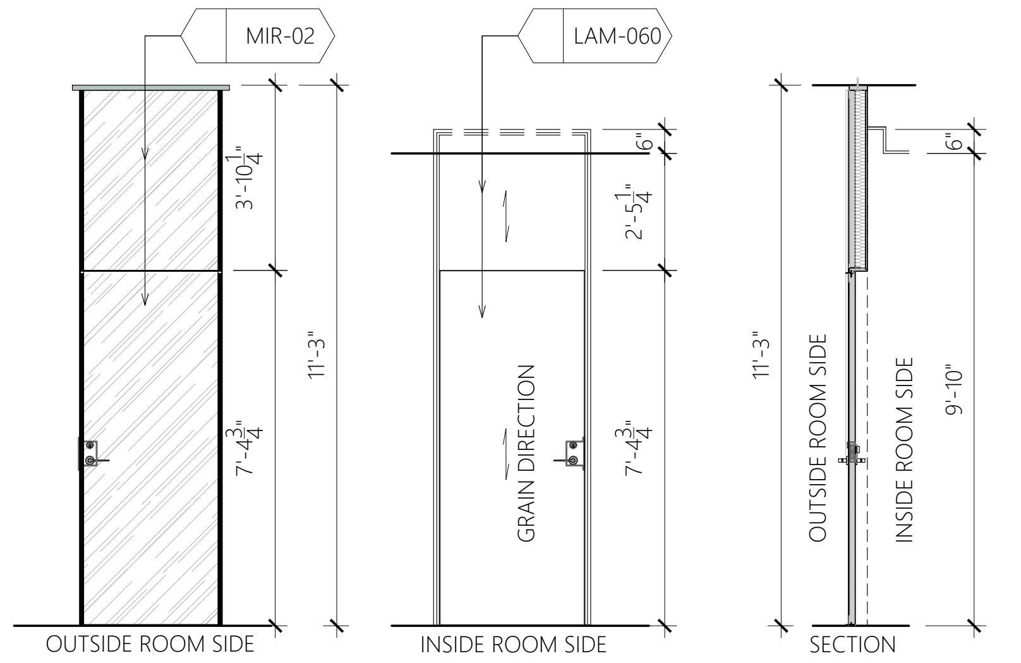

3'-3 1/4" R.O. HOLD (DOOR ASSEMBLY & HARDWARE PROVIDED BY TENANT INSTALLED BY G.C.)
5/8" TRIM-TEX TEAR AWAY "L" BEAD. (TYP. @ TRANSITION TO JAMB)
1/2" GYP TO JAMB
7/8"
5 1/2"
2 1/8" TYP.

JAMB / HEAD TYPE

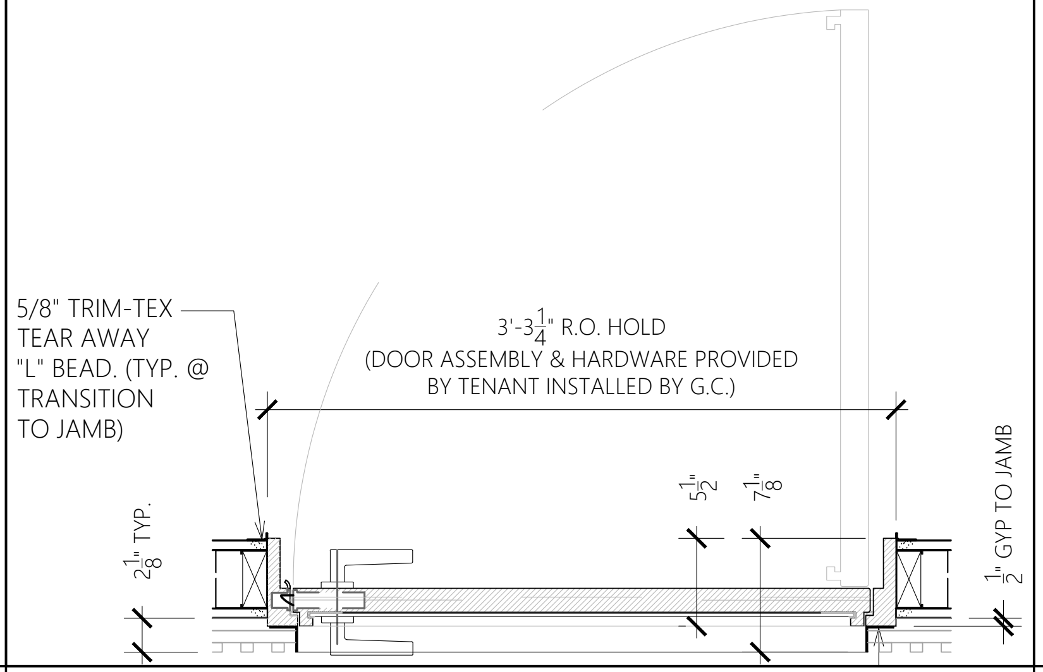
DOOR FINISHED SIZE:	3'-3 1/4" (RO)W x 7'-4 3/4"H
DOOR MATERIAL:	SOLID CORE; BRONZED MIRROR; LAMINATE
FRAME MATERIAL:	LAMINATED HARDWOOD
THRESHOLD:	N/A
HINGES:	CONCEALED HINGES W/ INTEGRATED CLOSURE.
LEVER	OLIVARI LAMA L - DS SUPERBRONZE FINISH
LATCH / LOCK DEVICE:	SCHLAGE L9000 SERIES MORTISE - 613 FINISH
EXTERIOR FUNCTION:	SCHLAGE FULL SIZE INTERCHANGEABLE CORE - LOGOLESS - 613 FINISH
INTERIOR FUNCTION:	OLIVARI LINK ADA - THUMBTURN - DS SUPERBRONZE FINISH
ALLEGION DISTBR. ORDER#	(1 EACH) L9050F OL106 DS 351 LH 09-663 351 10-072 351 1 3/4" 47277724 (1 EACH) 09-669 613 – 1 1/16” ARMOR FRONT
CLOSURE:	INTEGRATED W/ HINGES
KICKPLATE:	NONE
DOOR STOP:	WALL BUMPERS IVES #407-1/2" CONCAVE. WS406/407CVX; COLOR: US26D
FIRE LABEL:	NONE
JAMB SIZE:	CUSTOM WOOD CASING SEE PLAN FOR DIRECTION OF SWING.
REMARKS:	FULL WIDTH AND HEIGHT PROVIDED BY TENANT, INSTALLED BY G.C. ALL LAMINATE: EGGER H3041 ST12 NATURAL EUCALYPTUS

SCHEDULE & HARDWARE

107.4 107.5


MIR-02
LAM-060
3'-10 1/4"
7'-4 3/4"
11'-3"
GRAIN DIRECTION
2'-5 1/4"
7'-4 3/4"
6"
11'-3"
OUTSIDE ROOM SIDE
INSIDE ROOM SIDE
9'-10"
OUTSIDE ROOM SIDE
INSIDE ROOM SIDE
SECTION

DOOR TYPE


5/8" TRIM-TEX TEAR AWAY "L" BEAD. (TYP. @ TRANSITION TO JAMB)
3'-3 1/4" R.O. HOLD (DOOR ASSEMBLY & HARDWARE PROVIDED BY TENANT INSTALLED BY G.C.)
2 1/8" TYP.
5 1/2"
7/8"
1/2" GYP TO JAMB

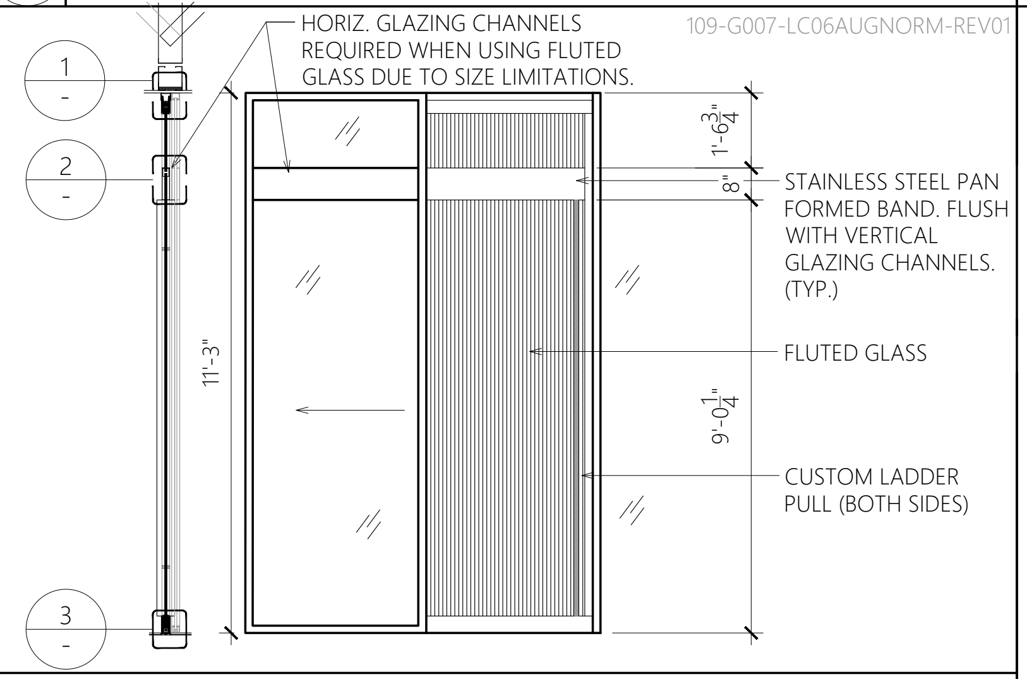
JAMB / HEAD TYPE

DOOR FINISHED SIZE:	3'-3 1/4" (RO)W x 7'-4 3/4"H
DOOR MATERIAL:	SOLID CORE; BRONZED MIRROR; LAMINATE
FRAME MATERIAL:	LAMINATED HARDWOOD
THRESHOLD:	N/A
HINGES:	CONCEALED HINGES W/ INTEGRATED CLOSURE.
LEVER	OLIVARI LAMA L - DS SUPERBRONZE FINISH
LATCH / LOCK DEVICE:	SCHLAGE L9000 SERIES MORTISE - 613 FINISH
EXTERIOR FUNCTION:	SCHLAGE FULL SIZE INTERCHANGEABLE CORE - LOGOLESS - 613 FINISH
INTERIOR FUNCTION:	OLIVARI LINK ADA - THUMBTURN - DS SUPERBRONZE FINISH
ALLEGION DISTBR. ORDER#	(1 EACH) L9050F OL106 DS 351 RH 09-663 351 10-072 351 1 3/4" 47277724 (1 EACH) 09-669 613 – 1 1/16” ARMOR FRONT
CLOSURE:	INTEGRATED W/ HINGES
KICKPLATE:	NONE
DOOR STOP:	WALL BUMPERS IVES #407-1/2" CONCAVE. WS406/407CVX; COLOR: US26D
FIRE LABEL:	NONE
JAMB SIZE:	CUSTOM WOOD CASING SEE PLAN FOR DIRECTION OF SWING.
REMARKS:	FULL WIDTH AND HEIGHT PROVIDED BY TENANT, INSTALLED BY G.C. ALL LAMINATE: EGGER H3041 ST12 NATURAL EUCALYPTUS

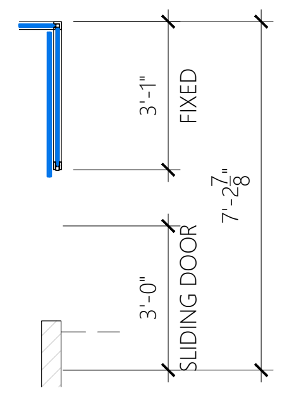
SCHEDULE & HARDWARE

108 CONTACT LENS ROOM

109-G007-LC06AUGNORM-REV01


HORIZ. GLAZING CHANNELS REQUIRED WHEN USING FLUTED GLASS DUE TO SIZE LIMITATIONS.
1
2
3
11'-3"
1'-6 3/4"
8"
STAINLESS STEEL PAN FORMED BAND. FLUSH WITH VERTICAL GLAZING CHANNELS. (TYP.)
FLUTED GLASS
9'-0 1/4"
CUSTOM LADDER PULL (BOTH SIDES)

DOOR TYPE (108 SHOWN)

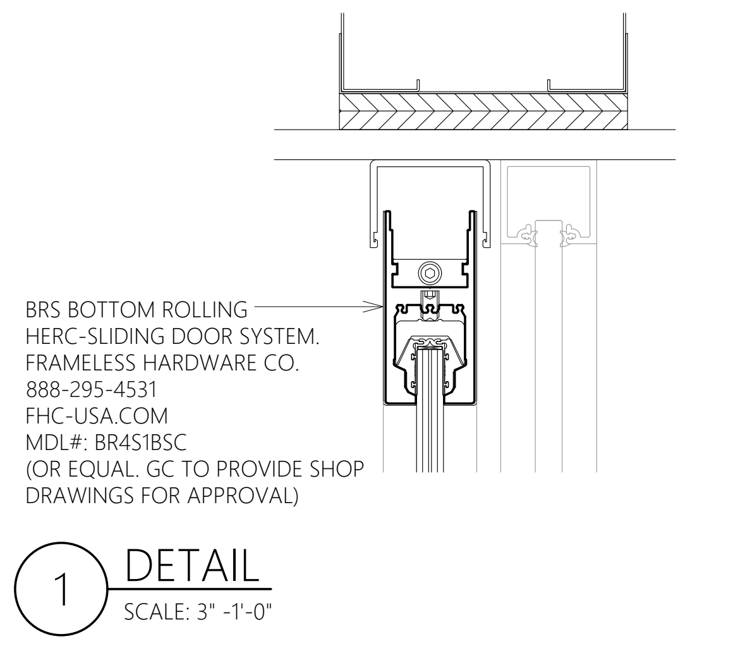

3'-1"
FIXED
7'-2 7/8"
3'-0"
SLIDING DOOR

REFER TO DETAILS ON SHEET G007b

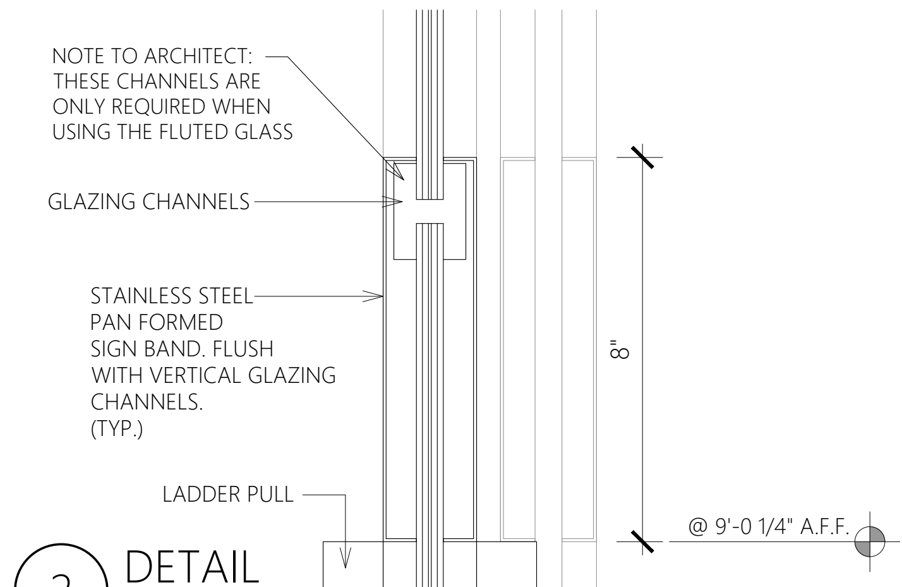
JAMB / HEAD TYPE

DOOR FINISHED SIZE:	3'-5 5/8" W x 11'-3" H x 1/2" GLAZING
TRANSOM:	NONE
DOOR MATERIAL:	BENDHEIM LOW-IRON HOUDINI™ TEXTURED ARCHITECTURAL GLASS;TEMPERED_LAMINATED 800-221-7379
FRAME MATERIAL:	STAINLESS STEEL
THRESHOLD:	N/A
HINGES:	N/A
HANDLES:	LADDER PULL
LATCH DEVICE:	N/A
FUNCTION LOCK:	N/A
CLOSURE:	T.B.D.
KICKPLATE:	NONE
DOOR STOP:	T.B.D.
FIRE LABEL:	NONE
JAMB SIZE:	N/A
REMARKS:	SHOP DRAWINGS TO BE PROVIDED FOR APPROVAL LEAD TIME REQUIRED. CONTACT MFG.

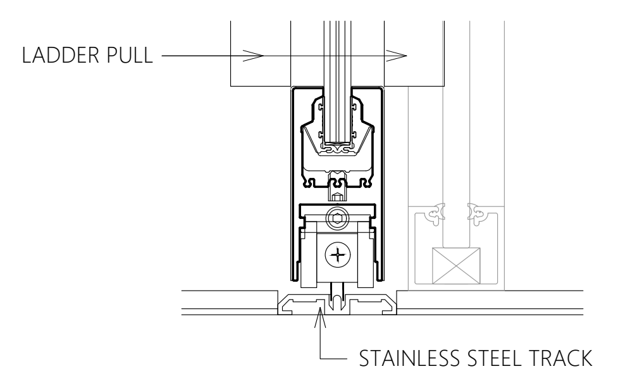
SCHEDULE & HARDWARE


BRS BOTTOM ROLLING HERC-SLIDING DOOR SYSTEM. FRAMELESS HARDWARE CO. 888-295-4531 FHC-USA.COM MDL#: BR4S1BSC (OR EQUAL. GC TO PROVIDE SHOP DRAWINGS FOR APPROVAL)

1 DETAIL
SCALE: 3" -1'-0"


NOTE TO ARCHITECT: THESE CHANNELS ARE ONLY REQUIRED WHEN USING THE FLUTED GLASS
GLAZING CHANNELS
STAINLESS STEEL PAN FORMED SIGN BAND. FLUSH WITH VERTICAL GLAZING CHANNELS. (TYP.)
LADDER PULL
8"
@ 9'-0 1/4" A.F.F.

2 DETAIL
SCALE: 3" -1'-0"


LADDER PULL
STAINLESS STEEL TRACK

3 DETAIL
SCALE: 3" -1'-0"

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

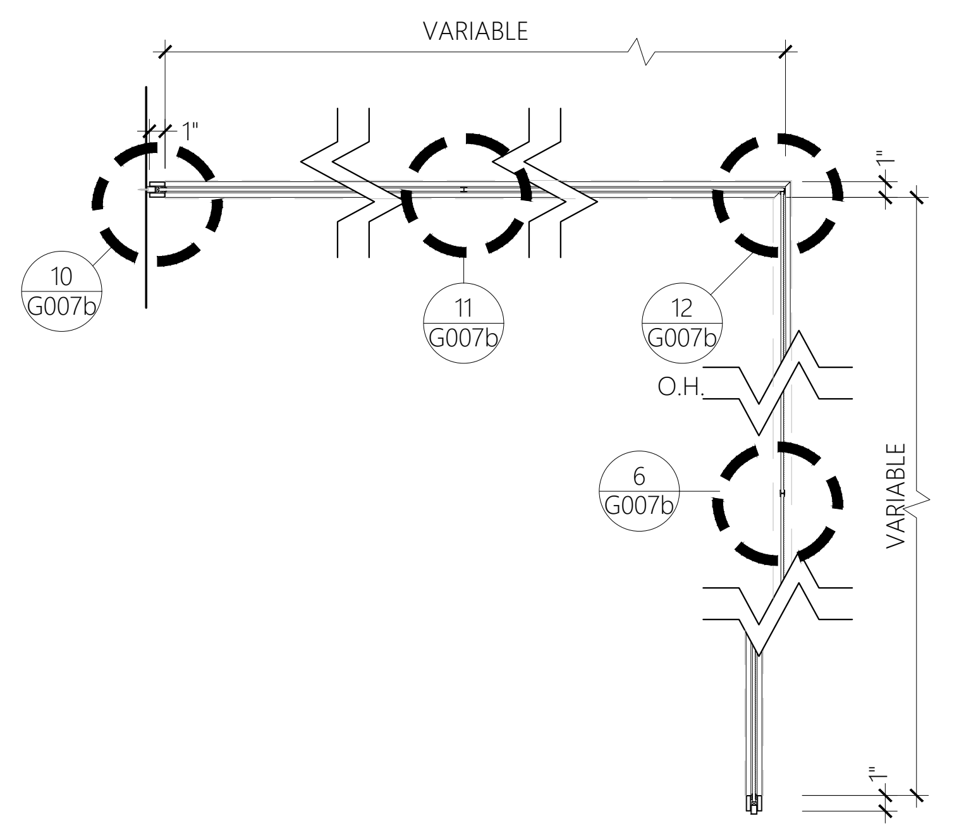
Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

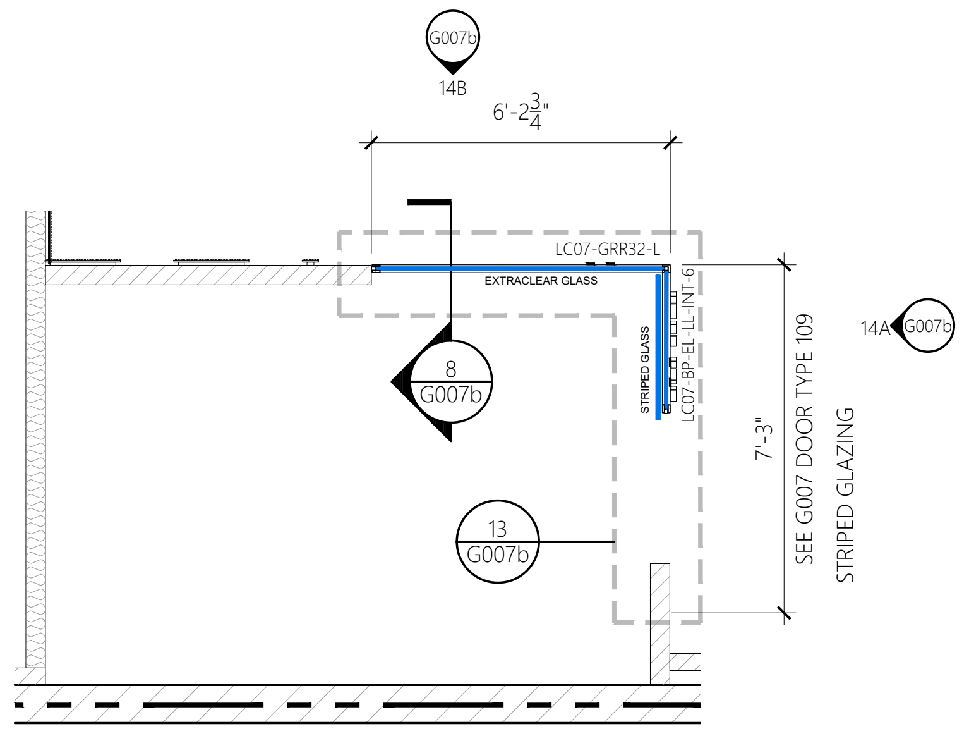
Title
DOOR SCHEDULES & HARDWARE

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet G007a

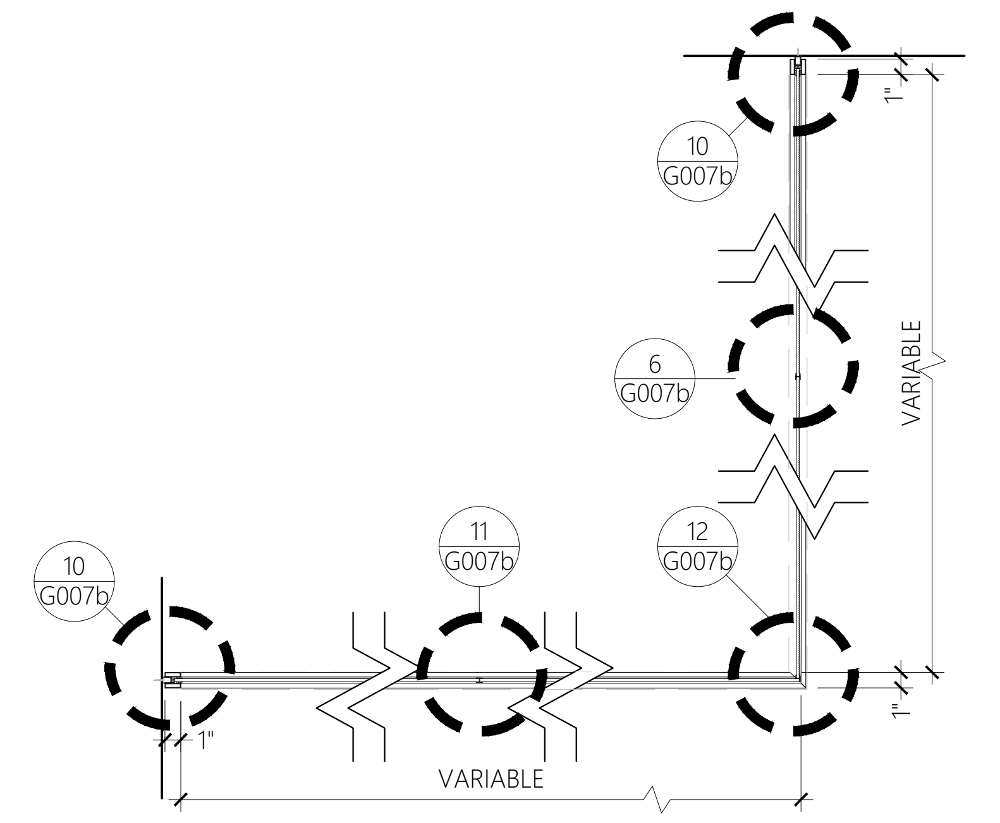
17 NOT USED


VARIABLE
1"
10 G007b
11 G007b
12 G007b
O.H.
6 G007b
VARIABLE
1"

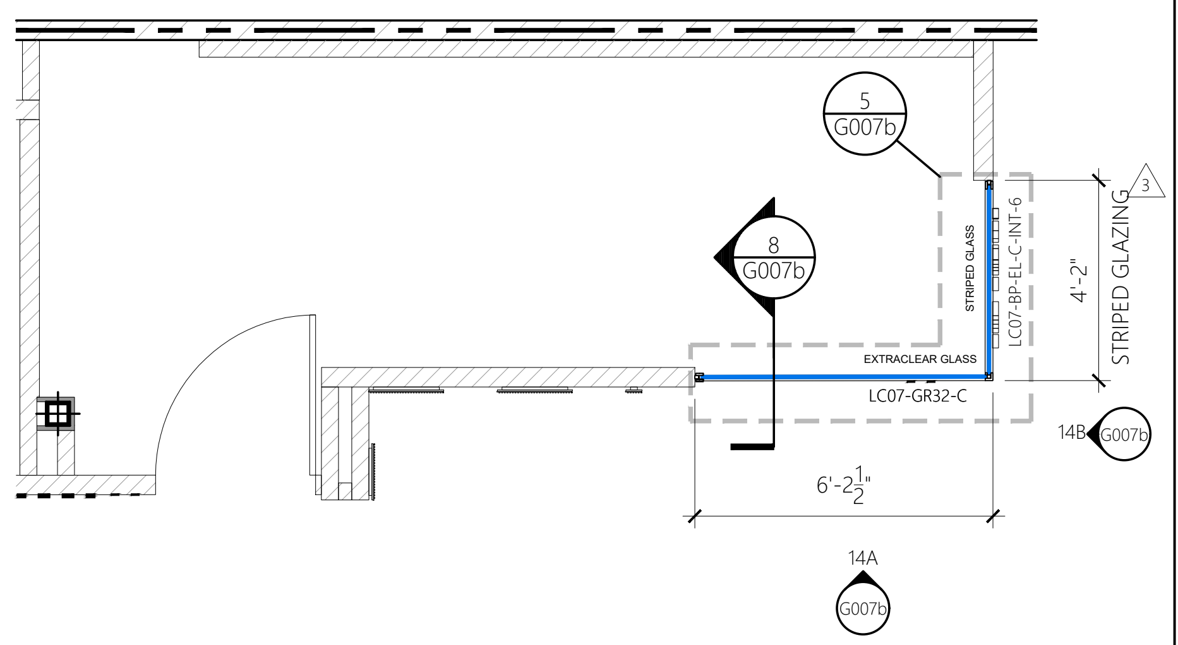
13 PLAN
SCALE: 1" = 1'-0"


G007b 14B
6'-2 3/4"
LC07-GRR32-L
EXTRACLEAR GLASS
STRIPED GLASS
LC07-BP-EL-LL-INT-6
8 G007b
13 G007b
7'-3"
SEE G007 DOOR TYPE 109
STRIPED GLAZING
14A G007b

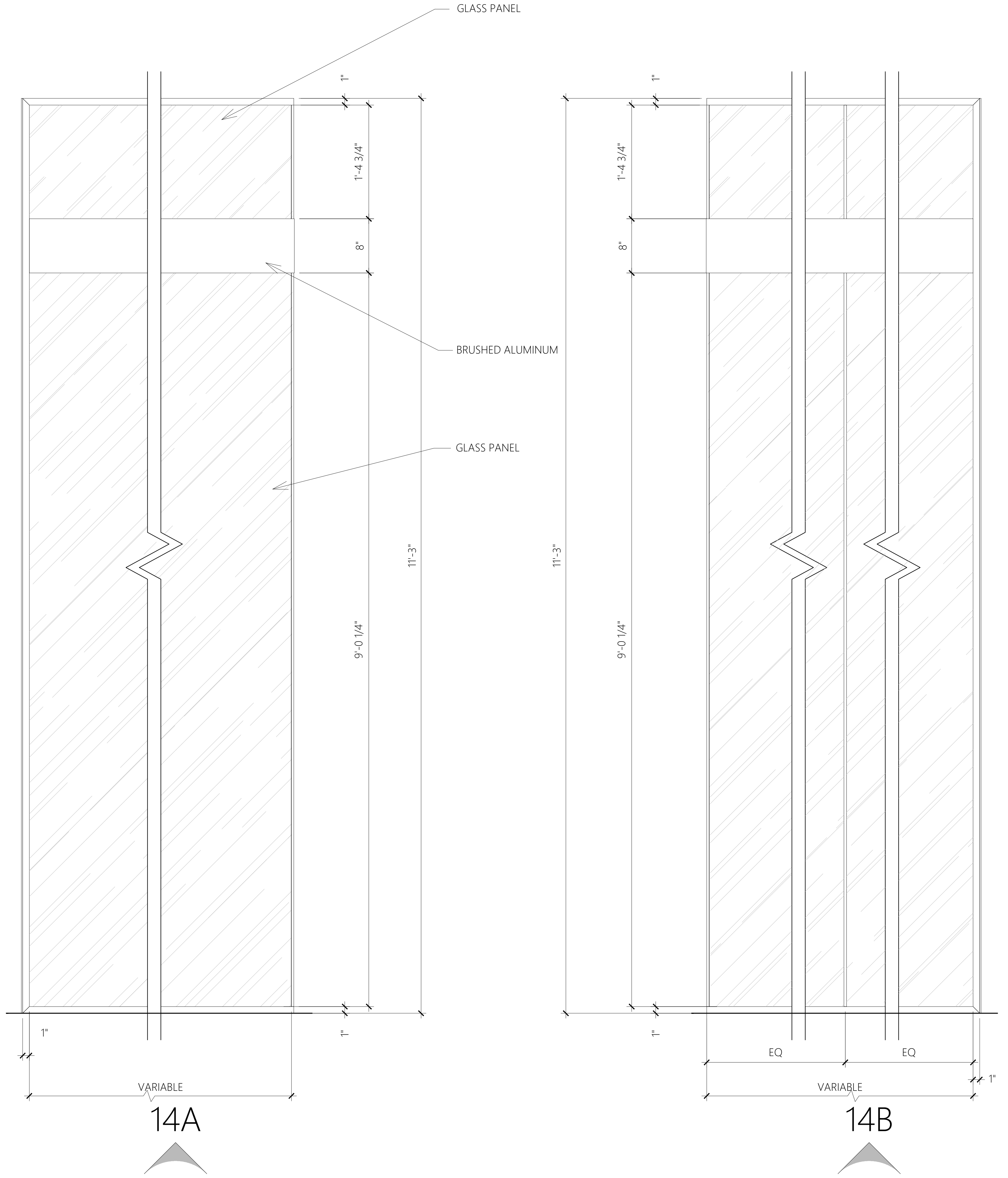
9 PLAN
SCALE: 1/4" = 1'-0"


10 G007b
6 G007b
11 G007b
12 G007b
10 G007b
VARIABLE
1"
VARIABLE
1"

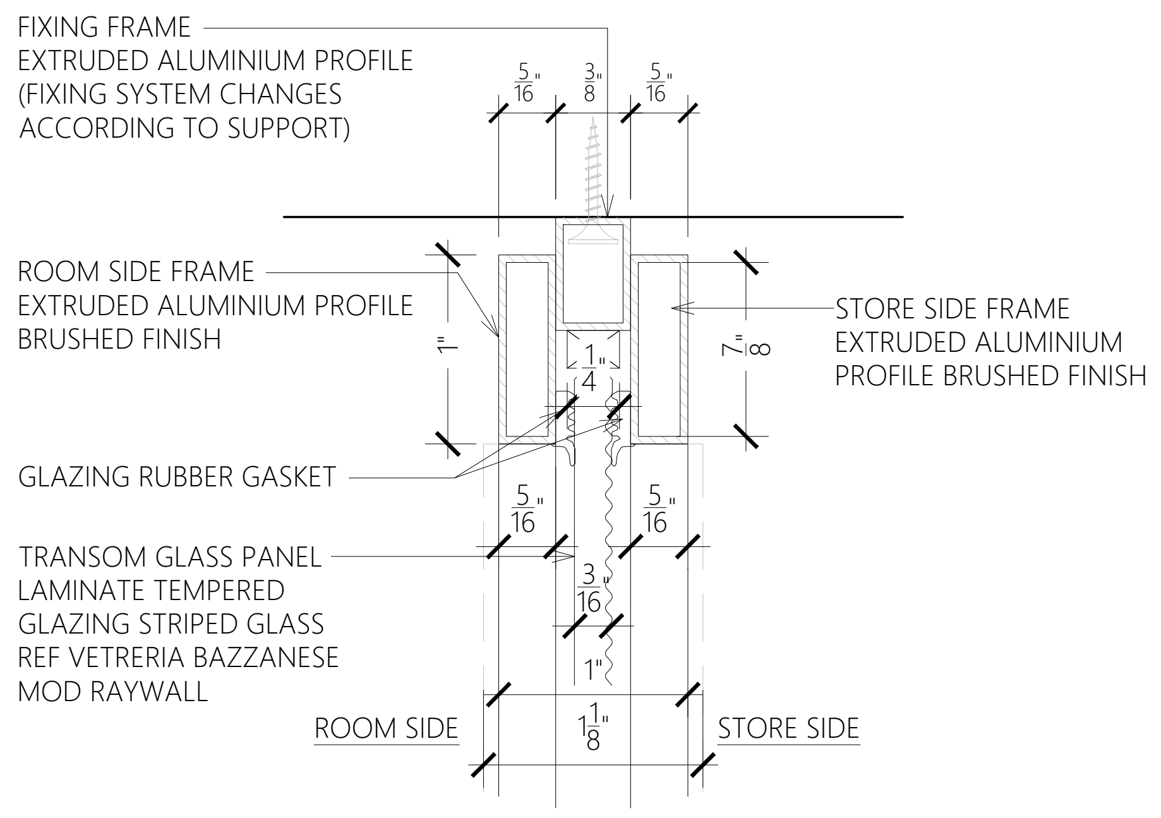
5 PLAN
SCALE: 1" = 1'-0"


5 G007b
8 G007b
STRIPED GLASS
LC07-BP-EL-C-INT-6
EXTRACLEAR GLASS
LC07-GR32-C
4'-2"
STRIPED GLAZING
3
14B G007b
6'-2 1/2"
14A G007b

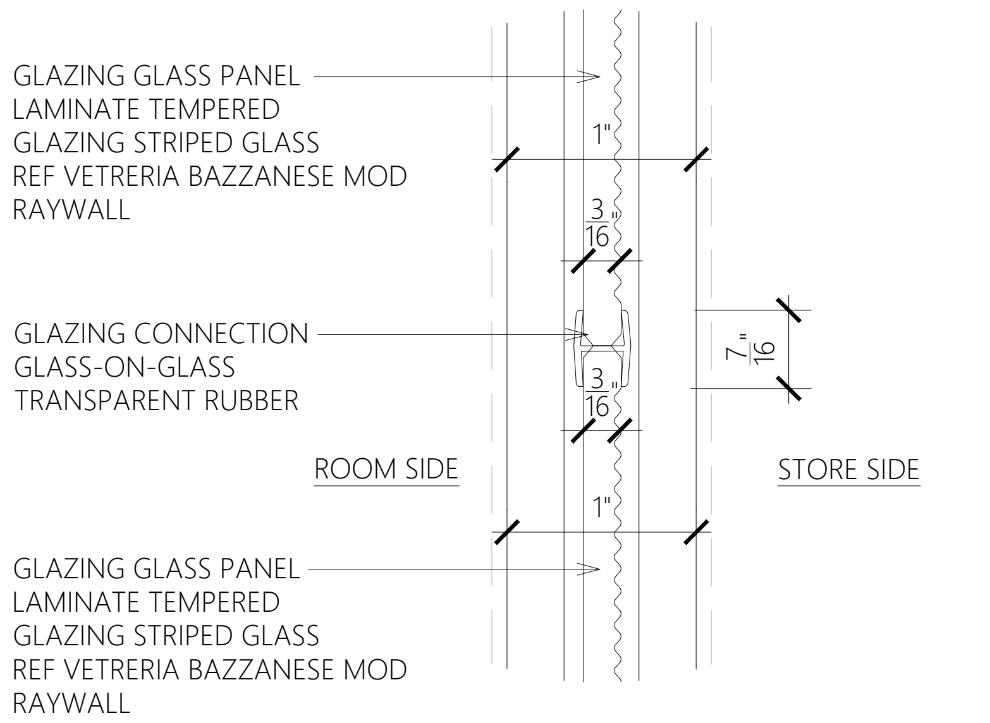
1 PLAN
SCALE: 1/4" = 1'-0"


GLASS PANEL
BRUSHED ALUMINUM
GLASS PANEL
1"
1'-4 3/4"
8"
9'-0 1/4"
11'-3"
1"
1"
VARIABLE
EQ
EQ
VARIABLE
1"
14A
14B

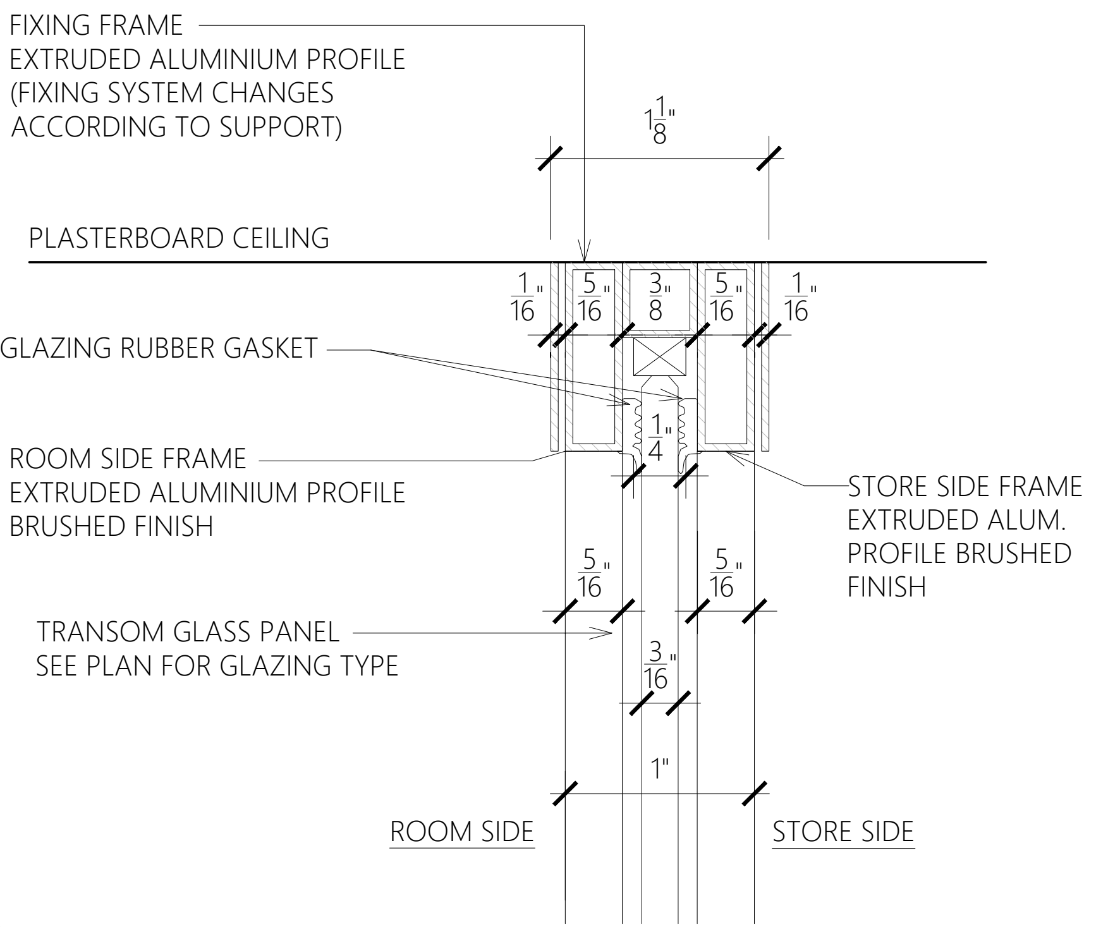
14 ELEVATION
SCALE: 1" = 1'-0"


FIXING FRAME
EXTRUDED ALUMINIUM PROFILE
(FIXING SYSTEM CHANGES
ACCORDING TO SUPPORT)
ROOM SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
STORE SIDE FRAME
EXTRUDED ALUMINIUM
PROFILE BRUSHED FINISH
GLAZING RUBBER GASKET
TRANSOM GLASS PANEL
LAMINATE TEMPERED
GLAZING STRIPED GLASS
REF VETRERIA BAZZANESE
MOD RAYWALL
ROOM SIDE
STORE SIDE
5/16"
3/8"
5/16"
1"
1/4"
7/8"
5/16"
5/16"
3/16"
1"
1 1/8"

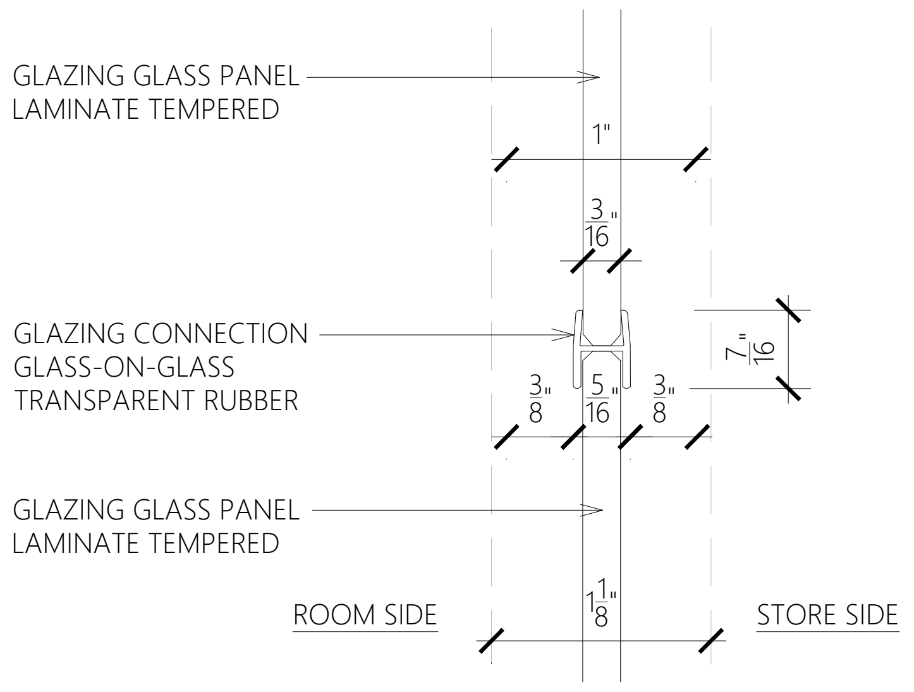
10 PLAN
SCALE: 1" = 1'-0"


GLAZING GLASS PANEL
LAMINATE TEMPERED
GLAZING STRIPED GLASS
REF VETRERIA BAZZANESE MOD
RAYWALL
GLAZING CONNECTION
GLASS-ON-GLASS
TRANSPARENT RUBBER
ROOM SIDE
STORE SIDE
GLAZING GLASS PANEL
LAMINATE TEMPERED
GLAZING STRIPED GLASS
REF VETRERIA BAZZANESE MOD
RAYWALL
1"
3/16"
7/16"
3/16"
1"

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

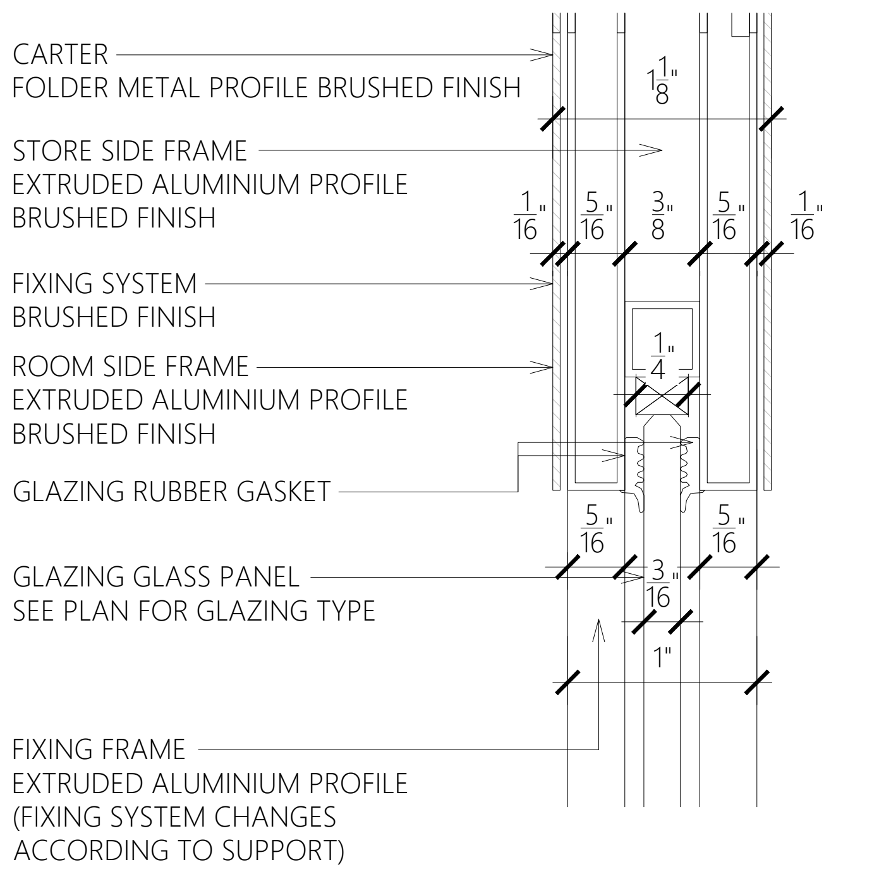

FIXING FRAME
EXTRUDED ALUMINIUM PROFILE
(FIXING SYSTEM CHANGES
ACCORDING TO SUPPORT)
PLASTERBOARD CEILING
GLAZING RUBBER GASKET
ROOM SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
STORE SIDE FRAME
EXTRUDED ALUM.
PROFILE BRUSHED
FINISH
TRANSOM GLASS PANEL
SEE PLAN FOR GLAZING TYPE
ROOM SIDE
STORE SIDE
1 1/8"
1/16"
5/16"
3/8"
5/16"
1/16"
1/4"
5/16"
5/16"
3/16"
1"

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

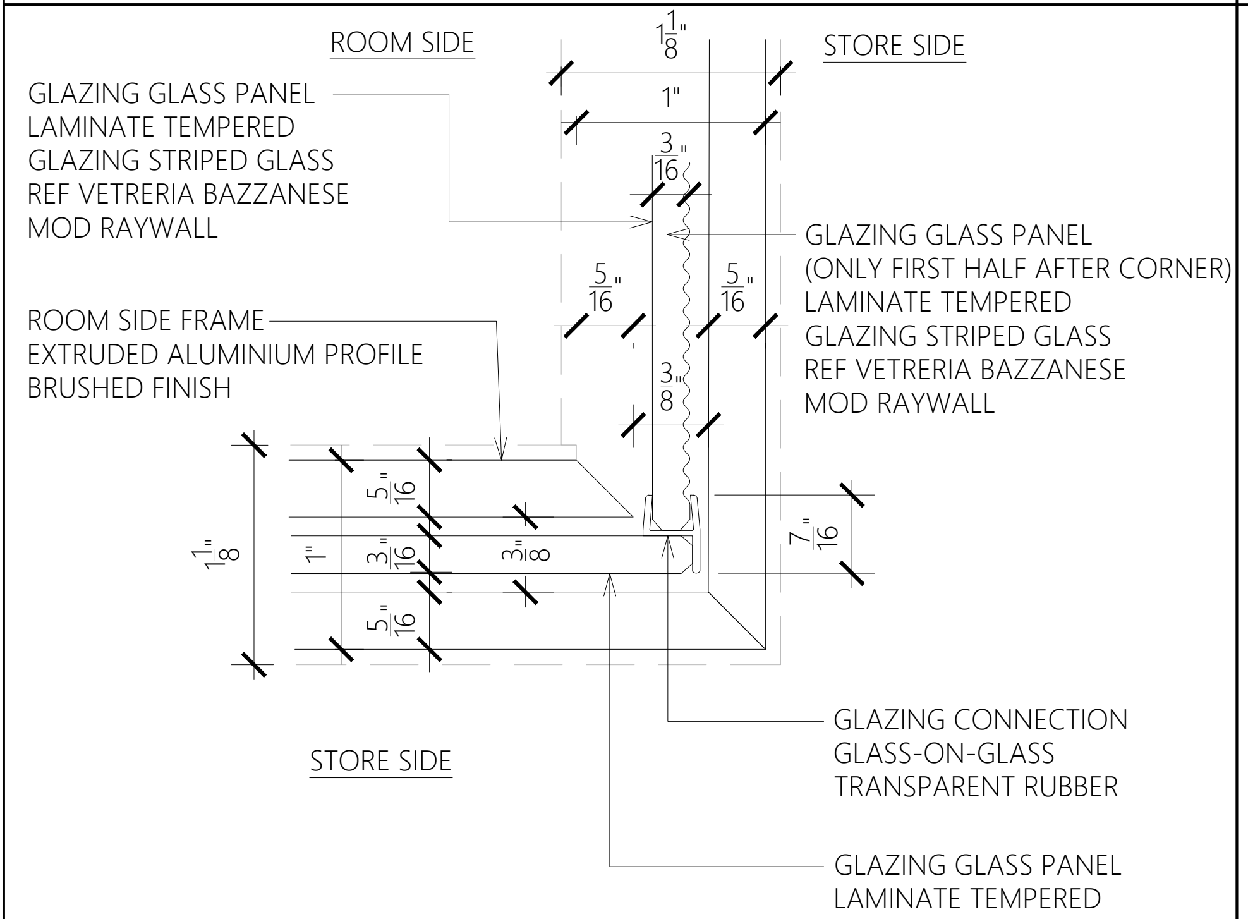

GLAZING GLASS PANEL
LAMINATE TEMPERED
GLAZING CONNECTION
GLASS-ON-GLASS
TRANSPARENT RUBBER
GLAZING GLASS PANEL
LAMINATE TEMPERED
ROOM SIDE
STORE SIDE
1"
3/16"
7/16"
3/8"
5/16"
3/8"
1 1/8"

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

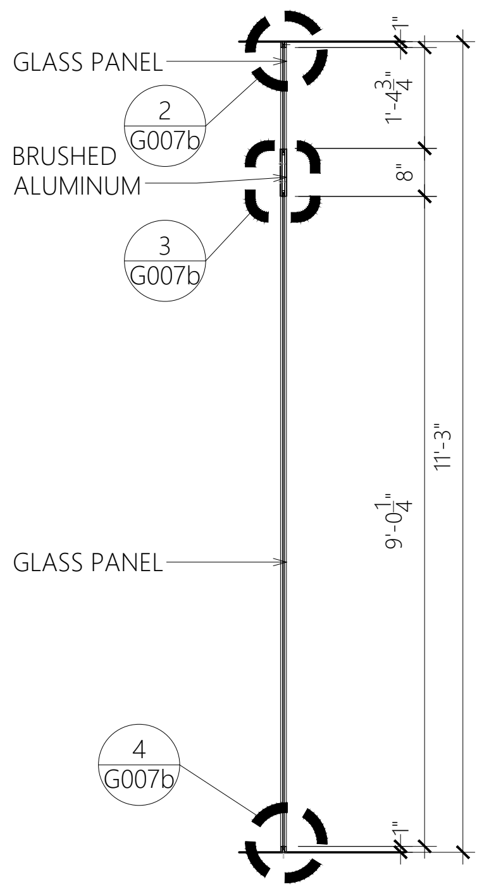
7 NOT USED


CARTER
FOLDER METAL PROFILE BRUSHED FINISH
STORE SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
FIXING SYSTEM
BRUSHED FINISH
ROOM SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
GLAZING RUBBER GASKET
GLAZING GLASS PANEL
SEE PLAN FOR GLAZING TYPE
FIXING FRAME
EXTRUDED ALUMINIUM PROFILE
(FIXING SYSTEM CHANGES
ACCORDING TO SUPPORT)
1 1/8"
1/16"
5/16"
3/8"
5/16"
1/16"
1/4"
5/16"
5/16"
3/16"
1"

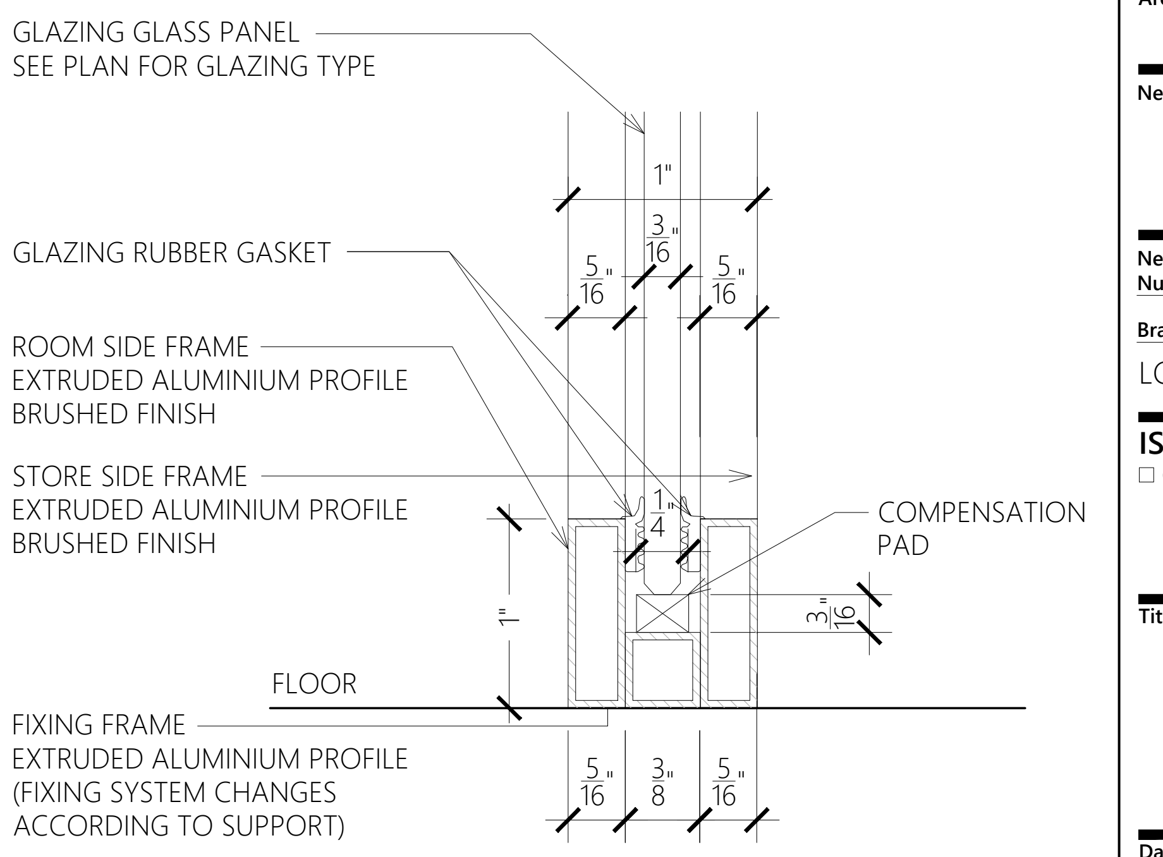
3 SECTION
SCALE: 1" = 1'-0"


ROOM SIDE
STORE SIDE
GLAZING GLASS PANEL
LAMINATE TEMPERED
GLAZING STRIPED GLASS
REF VETRERIA BAZZANESE
MOD RAYWALL
GLAZING GLASS PANEL
(ONLY FIRST HALF AFTER CORNER)
LAMINATE TEMPERED
GLAZING STRIPED GLASS
REF VETRERIA BAZZANESE
MOD RAYWALL
ROOM SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
STORE SIDE
GLAZING CONNECTION
GLASS-ON-GLASS
TRANSPARENT RUBBER
GLAZING GLASS PANEL
LAMINATE TEMPERED
1 1/8"
1"
3/16"
5/16"
5/16"
3/8"
1 1/8"
1"
5/16"
3/16"
3/8"
5/16"
7/16"

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


GLASS PANEL
2 G007b
BRUSHED
ALUMINUM
3 G007b
GLASS PANEL
4 G007b
1"
1'-4 3/4"
8"
9'-0 1/4"
11'-3"
1"

8 SECTION
SCALE: 3/8" = 1'-0"


GLAZING GLASS PANEL
SEE PLAN FOR GLAZING TYPE
GLAZING RUBBER GASKET
ROOM SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
STORE SIDE FRAME
EXTRUDED ALUMINIUM PROFILE
BRUSHED FINISH
COMPENSATION
PAD
FLOOR
FIXING FRAME
EXTRUDED ALUMINIUM PROFILE
(FIXING SYSTEM CHANGES
ACCORDING TO SUPPORT)
1"
3/16"
5/16"
5/16"
1/4"
1"
3/16"
5/16"
3/8"
5/16"

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
● 4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
● 6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
GLAZING DETAILS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet G007b

CODE	ITEM	DESCRIPTION	ROOM	REMARKS	SUPPLIED	RECEIVED	INSTALLED
SK3.1	SINK	VENDOR: JUST SINKS VENDOR PART #: CLF-ADA-10, 1 HOLE FINISH: STAINLESS STEEL	CONTACT LENS ROOM	(1) SINK PER COUNTER AS INDICATED ON PLAN	GC	GC	GC
SK3.1 SK7.1 SK9	FAUCET	VENDOR: SLOAN VENDORPART#:EBF-415-BAT-TEE-0.5GPM-MLM-IR-FCT FINISH: BRUSHED STAINLESS	CONTACT LENS ROOM EXAM ROOM RESTROOM	(1) PER SINK	GC	GC	GC
LCOD-HOOK	COAT HOOK ROUND WALL-MOUNTED HOOKS	VENDOR: NA ARTICLE #: 3042090; VENDOR PART #: 3524806 FINISH: MATTE STAINLESS STEEL	CONTACT LENS ROOM (2) PRE-TEST & ALCOVE ROOMS (2) EXAM ROOMS (2) SSM OFFICE (2) BOH/BREAK AREA (6) OD ADMIN OFFICE (2) RESTROOM (2)	• WHERE MORE THAN ONE ARE PROVIDED, INSTALL @ 48" A.F.F. & @ 60" A.F.F. • ROUND HOOK ONLY (INSTALL WITHOUT PROVIDED BACKPLATE) • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
LCOD-CLM	COUNTER TOP MIRROR MOVEABLE MIRROR	VENDOR: DÉCOR WALTHER ARTICLE #: 3042093; VENDOR PART #: SPT-65-0113100-CH FINISH: POLISHED CHROME	CONTACT LENS ROOM	(1) PER CONTACT LENS COUNTER	T	GC	GC
LCOD-STD	SQUARE TISSUE DISPENSER	VENDOR: M DESIGN ARTICLE #: 3042091; VENDOR PART #: 5711MDBA-MD FINISH: BRUSHED STEEL	CONTACT LENS ROOM LAB FITTING COUNTERS	(1) PER CONTACT LENS COUNTER (1) IN LAB (1) PER FITTING COUNTER IN RETAIL	T	GC	GC
LCOD-TRASH	FREE-STANDING TRASH CAN	VENDOR: DÉCOR WALTHER ARTICLE #: 3042095; VENDOR PART #: DW215-0610976 FINISH: MATTE STAINLESS STEEL	CONTACT LENS ROOM LAB PRE-TEST & ALCOVE ROOMS EXAM ROOMS SSM OFFICE BOH/BREAK AREA OD ADMIN OFFICE	(1) PER ROOM	T	GC	GC
LCOD-HTD	PAPER HAND TOWEL DISPENSER	VENDOR: PRUDENTIAL ARTICLE #: 3042097; VENDOR PART #: 9906S FINISH: MATTE STAINLESS STEEL	CONTACT LENS ROOM LAB EXAM ROOMS	(1) PER CONTACT LENS SINK (1) IN LAB (1) PER EXAM ROOM	T	GC	GC
LCOD-SD	SOAP DISPENSER	VENDOR: DECOR WALTHER ARTICLE #: 3042087; VENDOR PART #: LEN-DW0521276 FINISH: SATIN STAINLESS STEEL	CONTACT LENS ROOM LAB EXAM ROOMS	(1) PER CONTACT LENS SINK (1) IN LAB (1) PER EXAM ROOM	T	GC	GC
SK8	SINK	VENDOR: AMERICAN STANDARD VENDOR PART #: PORTSMOUTH, 18SB6181600S.075 FINISH: STAINLESS STEEL DIMENSIONS: 17-13/16 W X 15-15/16 D X 6H INCHES	LAB	(1) PER LAB AS INDICATED ON PLAN	GC	GC	GC
SK8	FAUCET	VENDOR: AMERICAN STANDARD VENDOR PART #: 4332.350.F15, FINISH 075 FINISH: STAINLESS STEEL	LAB	(1) PER LAB SINK	GC	GC	GC
SK8	EYE WASH	VENDOR: GUARDIAN VENDOR PART #: G1849-LH-L FINISH: POLISH CHROME PLATED BRASS	LAB	(1) PER LAB SINK	GC	GC	GC
24" MOP HOLDER	24" MOP HOLDER	VENDOR: ABCO ARTICLE #: 3041934; VENDOR PART #: LEN-600MBR24 FINISH: STAINLESS STEEL	LAB	(1) PER MOP SINK	T	GC	GC
SK7.1	SINK	VENDOR: ELKAY SPECIFICATIONS VENDOR PART #: ASANA RLR9 FINISH: 316 STAINLESS STEEL	EXAM ROOM	(1) PER EXAM ROOM	GC	GC	GC
LCOD-MWB	GLASS MAGNETIC WHITE BOARD	VENDOR: LENGLASSBOARD ARTICLE #: 3042089; VENDOR PART #: 83843 FINISH: GLOSS WHITE	SSM OFFICE BOH/BREAK AREA	(1) PER MANAGER OFFICE AREA (1) PER BREAK AREA ROOM	T	GC	GC
LCOD-LKR	LOCKERS	VENDOR: PENCO PRODUCTS ARTICLE #: 3043380 VENDOR PART #: 6G379 WELDED GEN2 LOCKER, 6-TIER, SOLID DOOR, SLAM LATCH FINISH: 054 CANVAS DIMENSIONS: 12"W X 18" D	BOH/BREAK AREA	TO INCLUDE LOCKS	T	GC	GC
LCOD-FRIG	REFRIGERATOR	VENDOR: AVANTI ARTICLE #: 3043383; VENDOR PART #: SAR14N1B-110 FINISH: BLACK	BOH/BREAK AREA		T	GC	GC
LCOD-MICRO	MICROWAVE	VENDOR: ABCO ARTICLE #: 3041466 VENDOR PART #: LEN-MICROWAVE1	BOH/BREAK AREA		T	GC	GC
LCOD-WD	WATER DISPENSER	VENDOR: ABCO ARTICLE #: 3042092; VENDOR PART #: LEN-A9 FINISH: BLACK/STAINLESS	BOH/BREAK AREA		T	GC	GC
SK9	SINK	VENDOR: DURAVIT VENDOR PART #: 2316600000 1 FAUCET HOLE FINISH: WHITE	RESTROOM	(1) PER RESTROOM	GC	GC	GC
LCOD-RRM	WALL MIRROR	VENDOR: T.B.D. VENDOR PART #: T.B.D. FINISH: T.B.D.	RESTROOM	(1) PER RESTROOM	T	GC	GC
LCOD-TPH	TOILET PAPER HOLDER	VENDOR: DELTA ARTICLE #: 3042094; VENDOR PART #: 79956-SS FINISH: STAINLESS STEEL	RESTROOM	(1) PER RESTROOM	T	GC	GC
LCOD-BB	BATHROOM BRUSH	VENDOR: NEMESIA ARTICLE #: 3042096; VENDOR PART #: LEN-NNE330313 FINISH: STAINLESS STEEL	RESTROOM	(1) PER RESTROOM	T	GC	GC
LCOD-AHD	AIR HAND DRYER	VENDOR: DYSON ARTICLE #: 3042088; VENDOR PART #: 307174-01 FINISH: SPRAYED NICKEL	RESTROOM	(1) PER RESTROOM	T	GC	GC
LCOD-WMT	WALL-MOUNTED TRASH CAN	VENDOR: BRADLEY ARTICLE #: 3041932; VENDOR PART #: 4A10-11 FINISH: STAINLESS STEEL	RESTROOM	(1) PER RESTROOM	T	GC	GC
LCOD-WSD	WALL-MOUNTED SENSOR SOAP DISPENSER	VENDOR: BRADLEY ARTICLE #: 3042086; VENDOR PART #: 6A00-110000 FINISH: STAINLESS STEEL	RESTROOM	(1) PER RESTROOM	T	GC	GC

2-LC06AUGNORM-G008-REV00

1

LC06 - FINISH SCHEDULE

NOTE: ALL SPECS MAY NOT BE USED IN EVERY STORE
GENERAL NOTE: FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS

	ITEM	MARK	DESCRIPTION	MFG. / CONTACT		MODEL / COLOR	ALT.	REMARKS	SUPPLY	RECEIVED	INSTALLED
APPLIED FINISHES	FIBERGLASS REINFORCED PLASTIC	FRP-2	F.R.P. F.R.P. WALL PANELS (4'-0" X 8'-0" X 1/8")	MARLITE	800-377-1221	P 100 WHITE	NONE	ACCESSORIES: INSIDE CORNER - #M350, OUTSIDE CORNER - #M360, DIVIDERS - #M365, EDGING - #M370. NOT USED IN PUBLIC ACCESSIBLE RESTROOMS	GC	GC	GC
	PAINT	P-100	PAINT (EXTRA WHITE)	SHERWIN WILLIAMS	800-474-3794	INTERIOR READY MIX LATEX EXTRA WHITE, SW7006	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-128	PAINT (DARK GREY)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: TEMPTATION BM-1609	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-152	PAINT (DARK SLATE)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: FRENCH BERET BM-1610	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-160	PAINT (MEDIUM GREY)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: CEMENT GREY BM-2112-60	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-161	PAINT (TEAL)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: MALLARD GREEN BM-2053-10	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-170	PAINT (WARM GRAY)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: GRAY OWL; BM-OC-52	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-171	PAINT (WARM GRAY)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLOR: SMOKE EMBERS; BM-1466	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	PAINT	P-172	PAINT (WARM BLUE)	BENJAMIN MOORE	866-708-9180	INTERIOR ACRYLIC LATEX COLLECTION COLOR: PHILIPSBURG BLUE HC-159	NONE	WALL SHEEN: SATIN CEILING SHEEN: FLAT DOORS & TRIM SHEEN: SEMI-GLOSS	GC	GC	GC
	BRICK WALL PANEL	BWP-102	FLEXIBLE BRICK WALL PANEL	BRICK WEB	801-542-7050	OLD MILL THIN BRICK SYSTEMS COLOR: CASTLE GATE; MORTAR COLOR: RED	NONE	-	GC	GC	GC
	WALL TILE	WT-101	CERAMIC FLOOR TILE (60CM X 120CM, 23 5/8" X 47 1/8")	TENANT FURNISHED	-	FLOORGRES CEPPO DI GRE LUXOTTICA NATURALE ART. 771242 FORM 60X120	NONE	CUSTOM TILE. GROUT WIDTH 1/16"; COLOR T.B.D.	T	GC	GC
	WOOD SLAT PANEL	WSP-101	WOOD SLAT PANEL	TENANT FURNISHED, G.C. RECEIVED & INSTALLED		WALNUT		CODED 'LC-06480-01' (GC TO CUT AS NEEDED) PANEL SIZES ARE 9'-9 11/16"H X 33-5/8" WX1-1/2"D	T	GC	GC
BASE	FLUSH WALL BASE	FWB-100	3/4" X 3 1/8" MDF FLUSH WALL BASE & 7/8" REVEAL	BY GC	-	-	NONE	SEE DETAILS	GC	GC	GC
	HARDWOOD BASE	HWB-100	1X1 HARDWOOD BASE (DRY: 3/4"X3/4")	BY GC	-	-	NONE	SEE DETAILS	GC	GC	GC
	VINYL WALL BASE	VB-101	VINYL WALL BASE	JOHNSONITE	800-248-2878	-	NONE	-	GC	GC	GC
FLOORING	VINYL TILE	VT-106	VINYL TILE	ARMSTRONG	877-276-7876	ARMSTRONG RAFFIA STREAM DIAMOND 10 RAIN Z5901 - 304.8MM X 609.6MM X 3.18MM	NONE	-	GC	GC	GC
	WATERPROOF FLOOR MEMBRANE	WM-101	WATERPROOF FLOOR MEMBRANE	CUSTOM BUILDING PRODUCTS	800-272-2757	REDGARD CRACK PREVENTION AND WATERPROOFING MEMBRANE	NONE	USED IN RESTROOMS AND EXAM ROOMS WHEN REQUIRED BY LANDLORD. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.	GC	GC	GC
	WALK-OFF MAT	MAT-1	ULTRA ENTRY MAT	MATS INC.	800-628-7462	PANEL COVER: GREY; INSERT: NEW YORK COLLECTION; COLOR: CHARCOAL	NONE	INSET TO FLOOR USED AT ENTRY DOORS IN EXTERIOR LOCATIONS.	GC	GC	GC
	TILE FLOOR	TF-SE	CERAMIC FLOOR TILE (600 mm X 1200 mm, 23 5/8" X 47 1/8")	TENANT FURNISHED	-	FLORIM CERAMIC TILES SENSI MODEL: CASA DOLCE, CASA - CASAMOOD COLOR: GREYSAND	NONE	INSTALL MUST INCLUDE M'F'R'S. RECOMMENDED FIELD INSTALLATION METHOD, FLOOR PREP & ADHESIVE. 1/8" GROUT JOINT. GROUT AND SEALANT BY GC	T	GC	GC
	TILE FLOOR	TF-601	CERAMIC FLOOR TILE (600 mm X 1200 mm, 23 5/8" X 47 1/8")	TENANT FURNISHED	-	FLOORGRES CEPPO DI GRE LUXOTTICA NATURALE ART. 771242 FORM 60X120	NONE	CUSTOM TILE. GROUT WIDTH 1/16"; COLOR T.B.D.	T	GC	GC
	TILE FLOOR	TF-602	T.B.D.	-	-	-	NONE	-	T	GC	GC
	CARPET	C-105	CARPET	MOHAWK / KARASTAN	-	PLATEAU II DC147; COLOR: 557 LAKE	NONE	-	T	GC	GC
CEILING	ACOUSTICAL CEILING	AC-2	2' X 4' LAY-IN; 15/16" GRID	CERTAINTEED	800-233-8990	PAINT: P-171 / BENJAMIN MOORE 1466 SMOKE EMBERS	NONE	CLASS "A", REFERENCE "LUXOTTICA" AS ACCOUNT NAME USED IN BOH	GC	GC	GC
	GYPSUM CEILING	GYP-2	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-152 / BENJAMIN MOORE FRENCH BERET BM-1610	NONE	-	GC	GC	GC
	GYPSUM CEILING	GYP-4	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-160 / BENJAMIN MOORE CEMENT GREY BM-2112-60	NONE	-	GC	GC	GC
	GYPSUM CEILING	GYP-5	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-161 / BENJAMIN MOORE MALLARD GREEN BM-2053	NONE	-	GC	GC	GC
	GYPSUM CEILING	GYP-6	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-170 / BENJAMIN MOORE GRAY OWL BM-OC-52	NONE	-	GC	GC	GC
	GYPSUM CEILING	GYP-7	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-171 / BENJAMIN MOORE 1466 SMOKE EMBERS	NONE	-	GC	GC	GC
	GYPSUM CEILING	GYP-8	GYPSUM BOARD CEILING - LEVEL 5 FINISH	USG	-	PAINT: P-172 / BENJAMIN MOORE COLLECTION PHILIPSBURG BLUE HC-159	NONE	-	GC	GC	GC
TRANSITION	TRANSITION STRIP	TS-1	TRANSITION STRIP (CARPET TO TILE)	SCHLUTER WWW.SCHLUTER.COM	-	SCHIENE, MINIMAL HEIGHT AS APPROPRIATE FOR FLOORING TRANSITION ALUMINUM (-A); 1/4" THICK EDGE.	NONE	-	GC	GC	GC
	TRANSITION STRIP	TS-5	TRANSITION STRIP (TILE TO MALL TILE FLOORING)	SCHLUTER WWW.SCHLUTER.COM	-	SCHLUTER - DECO, ALUMINUM (-A) HEIGHT AS APPROPRIATE FOR FLOORING TRANSITION, 1/4" THICK ALUMINUM EDGE	NONE	STOREFRONT ENTRY BETWEEN RETAIL TILE AND MALL TILE	GC	GC	GC
GLAZING	GLAZING FILM	GF-2	GLAZING FILM - OPAQUE BLACK OUT	3M	866-499-8857	3635-22B BLACK MATTE	NONE	STOREFRONT WINDOWS WHERE SITE CONDITIONS REQUIRE	GC	GC	GC
	GLAZING FILM	GF-4	GLAZING FILM - SECURITY FILM	3M	866-499-8857	3M SCOTCHSHIELD - ULTRA SERIES ULTRA S8008 MIL. SINGLE SIDED (INT. SIDE ONLY)	NONE	G.C. TO PROVIDE AT EXTERIOR LOCATIONS PER MFG. SPEC, WHERE SECURITY SHUTTERS ARE NOT INSTALLED.	GC	GC	GC
	GLAZING FILM	GF-5	GLAZING FILM - LIFESTYLE IMAGES	TENANT	-	-	NONE	-	T	T	T
METAL	METAL CLADDING	M-109	METAL PANEL (GREY)	PRISMATICPOWDERS.COM	866-774-7628	CANNON GREY PSS 2748 SOLID TONE - MATTE FINISH	NONE	GC RESPONSIBLE FOR NEW AND OR REFURBISH OF CONSTRUCTION FOR STOREFRONT VENDOR TO APPLY FINISHES.	GC	GC	GC
	METAL CLADDING	M-110	METAL PANEL (CHAMPAGNE)	SOUTHERN ALUMINUM FINISHING CO	404-355-1560	SAFINISH-SAF442LIGHT BRONZE, LIGHT RANGE, CLASS I A44 - ANODIZED BRUSHED	NONE	LEAD TIME ITEM TO PRODUCE FROM SOUTHERN ALUM. FINISHING. GC TO CONTACT MFG. FOR PROPER TIMING.	GC	GC	GC
MISCELLANEOUS	FABRIC AWNING	FAB-100	FABRIC AWNING	SUNBRELLA	-	SLATE 4684-0000	NONE	AWNING FRAME: ALL EXPOSED SURFACES PAINTED MATTHEWS PAINT, ACRYLIC POLYURETHANE, MP 10269 DARK SLATE, MATTE FINISH.	GC	GC	GC
	SILICONE	-	SILICONE MILDEW RESISTANT SEALANT	DOW CORNING CORP.	989-496-7881	WHITE DOW CORNING® 786	NONE	APPLIED ALONG ALL JOINTS IN AND AROUND SINKS, FRP JOINTS, VINYL BASE ALONG THE FLOOR OF THE LENS PROCESS ROOM MOP SINK.	GC	GC	GC
	PRIMER/SEALER	-	LATEX PRIMER / SEALER FOR DRYWALL	ICI DULUX PAINTS	502-969-0181	#1020-1200PVA	NONE	ONE (1) COAT REQUIRED	GC	GC	GC
	PRIMER/SEALER	-	LATEX PRIMER / SEALER FOR METAL	ICI DULUX PAINTS	502-969-0181	DEVGUARD #4120	NONE	ONE (1) COAT REQUIRED	GC	GC	GC
	PRIMER/SEALER	-	LATEX PRIMER / SEALER FOR WOOD	ICI DULUX PAINTS	502-969-0181	WOOD UNDERCOATER	NONE	ONE (1) COAT REQUIRED	GC	GC	GC
	LAMINATE	LAM-060	LAMINATE	EGGER	844-977-0053	H3041 ST12 NATURAL EUCALYPTUS	NONE		GC	GC	GC

1-LC06-A103-REV06

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
- 4000 Luxottica Place, Mason, OH 45040 — +1 (513) 765-6000
- 6 Creamery Brook, East Granby, CT 06026 — +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
FINISH & ACCESSORY SCHEDULES

Date 10/01/21
Drawn By STAFF
Checked By JHM

Sheet G008

SECTION 906 PORTABLE FIRE EXTINGUISHERS

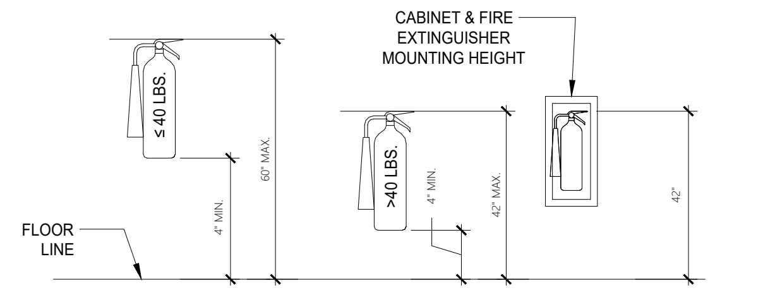
[F] TABLE 906.3(1) FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS.
MINIMUM RATED SINGLE FIRE EXTINGUISHER - SEE TABLE
MAXIMUM FLOOR AREAS - SEE TABLE
MAXIMUM DISTANCE OF TRAVEL TO EXTINGUISHER = 75'-0"

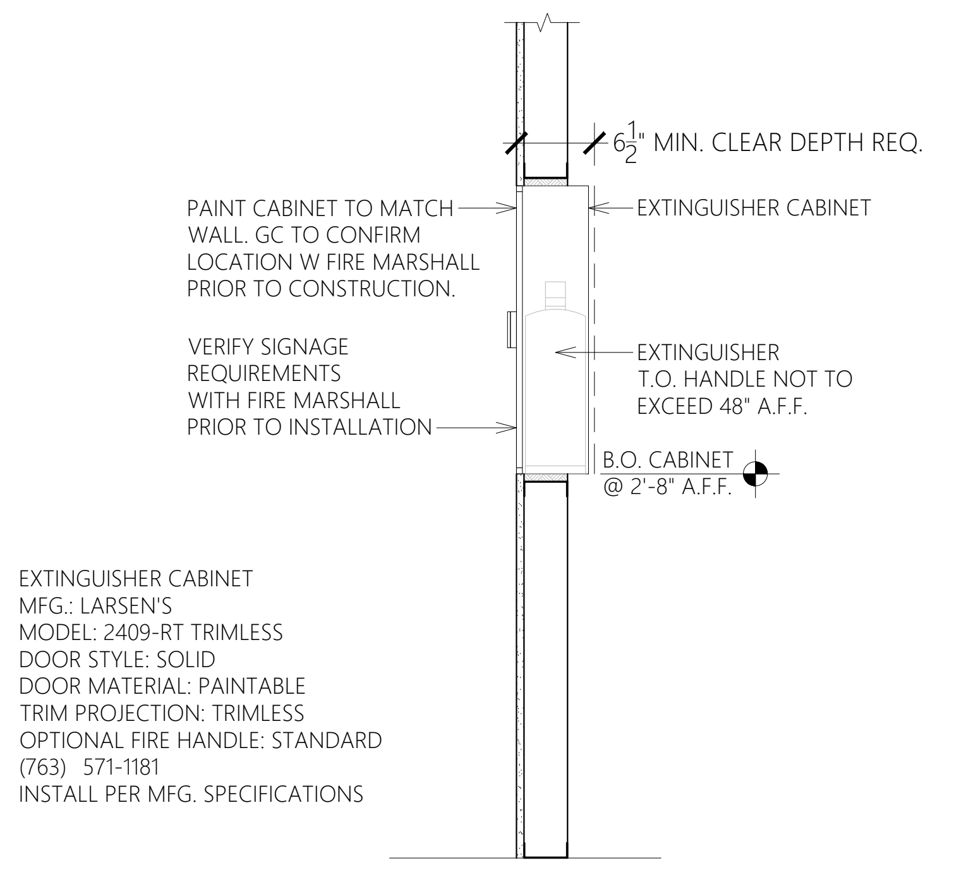
[F] 906.9 EXTINGUISHER INSTALLATION.
THE INSTALLATION OF PORTABLE FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH SECTIONS 906.9.1 THROUGH 906.9.3.

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

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

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


≤ 40 LBS.
> 40 LBS.
CABINET & FIRE EXTINGUISHER MOUNTING HEIGHT
FLOOR LINE


6½" MIN. CLEAR DEPTH REQ.
PAINT CABINET TO MATCH WALL. GC TO CONFIRM LOCATION W FIRE MARSHALL PRIOR TO CONSTRUCTION.
EXTINGUISHER CABINET
VERIFY SIGNAGE REQUIREMENTS WITH FIRE MARSHALL PRIOR TO INSTALLATION
EXTINGUISHER T.O. HANDLE NOT TO EXCEED 48" A.F.F.
B.O. CABINET @ 2'-8" A.F.F.

EXTINGUISHER CABINET
MFG.: LARSEN'S
MODEL: 2409-RT TRIMLESS
DOOR STYLE: SOLID
DOOR MATERIAL: PAINTABLE
TRIM PROJECTION: TRIMLESS
OPTIONAL FIRE HANDLE: STANDARD
(763) 571-1181
INSTALL PER MFG. SPECIFICATIONS

1 EXTINGUISHER CABINET - SECTION

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

1 KEY NOTES

1. INSTALL 2A-10BC FIRE EXTINGUISHERS IN A RECESSED CABINET - REFER TO SECTION 1 / G009

2 FIRE EXTINGUISHER

SYMBOL	TYPE	DESCRIPTION
	F.E.	FIRE EXTINGUISHER - FIRE EXTINGUISHER TO BE PLACED IN WALL MOUNTED CABINET IN RETAIL SALES AREA.

3 LIGHTING TYPES

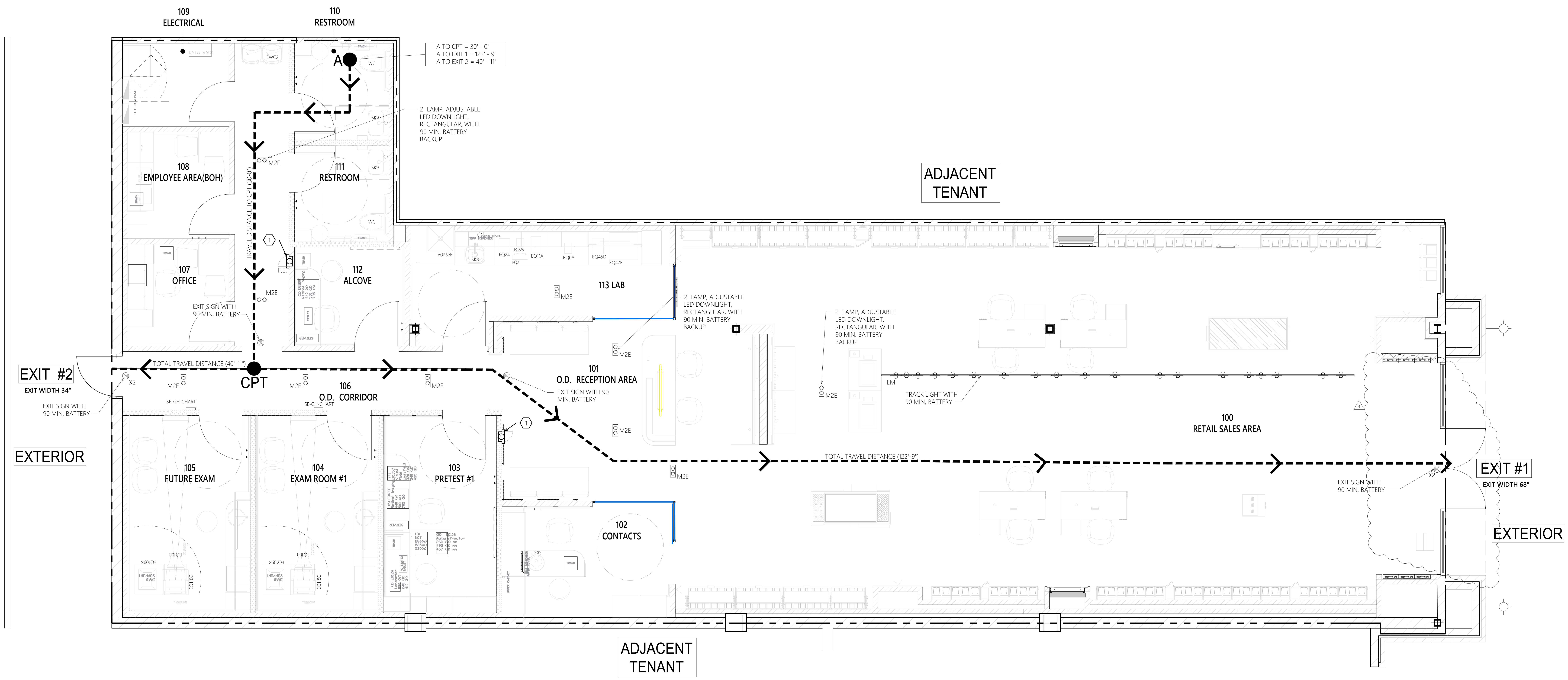
SYMBOL	TYPE	DESCRIPTION
M2E	M2E	RECESSED ADJUSTABLE 2-LIGHT DOWNLIGHT, RECTANGULAR, PAINTED TRIM TO MATCH CEILING. CHICAGO ADD "CP" HOUSING
	EM	BLACK TRACK HEAD
X2	X2	EDGE LIT EXIT SIGN WITH RED LETTERS. RED LED INCLUDED. COLOR: BLACK. FOR NYC OR CHICAGO, PROVIDE COMPLIANT SPECIFICATIONS.

COMMON PATH OF TRAVEL (CPT) < 75'

A TO CPT = 30'-0"

DISTANCE TO EXIT (DTE)

A TO EXIT 1 = 122'-9"
A TO EXIT 2 = 40'-11"


109
ELECTRICAL
110
RESTROOM
DATA RACK
ELECTRICAL PANEL
EWC2
TRASH
A
WC
A TO CPT = 30' - 0"
A TO EXIT 1 = 122' - 9"
A TO EXIT 2 = 40' - 11"
SK9
2 LAMP, ADJUSTABLE LED DOWNLIGHT, RECTANGULAR, WITH 90 MIN. BATTERY BACKUP
M2E
108
EMPLOYEE AREA(BOH)
111
RESTROOM
ADJACENT TENANT
TRAVEL DISTANCE TO CPT (30'-0")
1
F.E.
107
OFFICE
112
ALCOVE
MOP-SINK
SOAP DISPENSER
PAPER TOWEL
SK8
EQ24
EQ22A
EQ21
EQ11A
EQ6A
EQ45D
EQ47E
113 LAB
EXIT SIGN WITH 90 MIN, BATTERY
2 LAMP, ADJUSTABLE LED DOWNLIGHT, RECTANGULAR, WITH 90 MIN. BATTERY BACKUP
2 LAMP, ADJUSTABLE LED DOWNLIGHT, RECTANGULAR, WITH 90 MIN. BATTERY BACKUP
EXIT #2
EXIT WIDTH 34"
X2
EXIT SIGN WITH 90 MIN, BATTERY
TOTAL TRAVEL DISTANCE (40'-11")
CPT
106
O.D. CORRIDOR
SE-GH-CHART
101
O.D. RECEPTION AREA
EXIT SIGN WITH 90 MIN, BATTERY
EM
TRACK LIGHT WITH 90 MIN, BATTERY
EXTERIOR
105
FUTURE EXAM
104
EXAM ROOM #1
103
PRETEST #1
TOTAL TRAVEL DISTANCE (122'-9")
100
RETAIL SALES AREA
EXIT #1
EXIT WIDTH 68"
EXIT SIGN WITH 90 MIN, BATTERY
102
CONTACTS
TRASH
SERVER
UPPER CABINET
EXTERIOR
ADJACENT TENANT

1 LIFE SAFETY PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

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SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

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7		
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Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: REV 09

Nextore project Number: 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
LIFE
SAFETY PLAN

Date: 10/01/21
Drawn By: STAFF
Checked By: JHM
Sheet: G009

A LEGEND

	CENTER LINE		EXISTING WALLS
	LEASE LINE		EXISTING FULL HEIGHT GLASS
	CONSTRUCTION TO BE DEMOLISHED	▨	AREA NOT IN SCOPE OF WORK

A-LC05-AD100-REV00

2 BARRICADE PLAN - KEY NOTES

1. LEASE LINE, TYPICAL. VERIFY IN FIELD.
2. BARRICADE 12'-0" HEIGHT, WITH ACCESS DOORS (SEE 2/AD100).
3. 6" RADIUS AT HARD CORNER 90° PER BARRICADE SPECIFICATIONS.
4. EXISTING SIDEWALK.

2-LC05-AD100-REV00

3 BARRICADE NOTES

BARRICADE & BARRICADE GRAPHICS:

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

3-LC05-AD100-REV00

4 BARRICADE CONTACTS

AMY LOPEZ
SENIOR ACCOUNT MANAGER
BOSTON RETAIL SOLUTIONS
1151 19TH STREET
VERY BEACH, FL 32960
P: 772-257-7390 C: 772-766-2523
E: ALOPEZ@BOSTONRS.COM

JIM PAGANO
EXECUTIVE VICE PRESIDENT
BOSTON RETAIL SOLUTIONS
1151 19TH STREET
VERY BEACH, FL 32960
P: 772-257-7170
E: JPAGANO@BOSTONRS.COM

4-LC05-AD100-REV00

1 GENERAL NOTES

A. 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.

B. 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.

C. 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.

D. WHEN EXISTING ELECTRICAL SERVICE, POWER, AND LIGHTING IS REMOVED, STUB BACK AND CAP AS REQUIRED IN AREAS BETWEEN EXISTING CONDITIONS AND NEW WORK.

E. REMOVE EXISTING FLOORING MATERIAL, CAP EXISTING MECHANICAL, PLUMBING AND ELECTRICAL SERVICES FLUSH WITH EXISTING SLAB AS REQUIRED, TYPICAL THROUGHOUT; REFER TO RESPONSIBILITY SCHEDULE ON A-0.1 FOR FLOORING PREPARATION.

F. 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 LUXOTTICA'S PROJECT MANAGER'S APPROVAL.

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

H. 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.

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

J. ANY EXISTING DOORS AND FRAMES TO BE REMOVED UNLESS NOTED OTHERWISE ON PLANS; REFER TO DOOR SCHEDULE.

K. ANY EXISTING RECEPTACLES TO REMAIN UNLESS NOTED OTHERWISE ON PLANS; REFER TO ELECTRICAL DRAWINGS.

L. G.C. TO REMOVE EXISTING STOREFRONT SIGNAGE; COORDINATE ELECTRICAL SERVICE W/ NEW STOREFRONT SIGNAGE. PATCH AND REPAIR STOREFRONT SUBSTRATE AS REQUIRED.

M. REMOVE ALL WALL VINYL FROM WALLS (AS REQUIRED) AND PREP WALLS FOR NEW FINISHES.

N. G.C. TO INSPECT ALL EXISTING WALLS TO REMAIN AND ENSURE THAT THEY ARE UP TO CURRENT SPECIFICATIONS.

O. REMOVE WINDOW CRASH GRAPHICS

P. G.C. TO PROVIDE AND INSTALL TEMPORARY BARRICADE. COORDINATE REQUIREMENTS WITH LANDLORD.

Q. IN RELOCATION STORES, G.C. TO REMOVE ALL EXISTING FIXTURE FROM OLD SPACE.

R. SIGN CONTRACTOR SHALL REMOVE ALL SIGNAGE IN OLD (OR TEMPORARY) SPACE AT END OF PROJECT, AS REQUIRED BY LEASE REQUIREMENT.

S. ALL EXISTING TOILET ROOM ACCESSORIES TO BE REMOVED.

T. REMOVE ALL INTERIOR GRAPHICS AND WAYFINDING, TYPICAL IN ALL AREAS (RETAIL, EMPLOYEE, OD). DO NOT REMOVE FROM LENS PROCESSING AREA. WHEN APPLICABLE TO A REMODEL PROJECT.

U. PRIOR TO INSTALLATION OF NEW FLOOR, 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 LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.

V. TEMPORARY BARRICADE
- TEMPORARY BARRICADE SHALL BE CONSTRUCTED PER LL REQUIREMENTS
- 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 LL APPROVAL IS RECEIVED. CARE IS TO BE TAKEN WHEN DISSEMBLING AND REMOVING BARRICADE, ON INTERIOR SIDE (STORE SIDE), PAPER WINDOWS WITH WHITE CONSTRUCTION PAPER OVER GLAZING ONLY. TRIM 1/2" OFF EDGES AND TAPE CONTINUOUSLY AROUND PERIMETER WITH WHITE TAPE. G.C. IS TO RESTORE NEUTRAL PIER(S), MALL FLOORING & BULKHEAD TO A LIKE NEW CONDITION AND FINISH WHERE APPLICABLE.

1-LC05-AD100-REV00

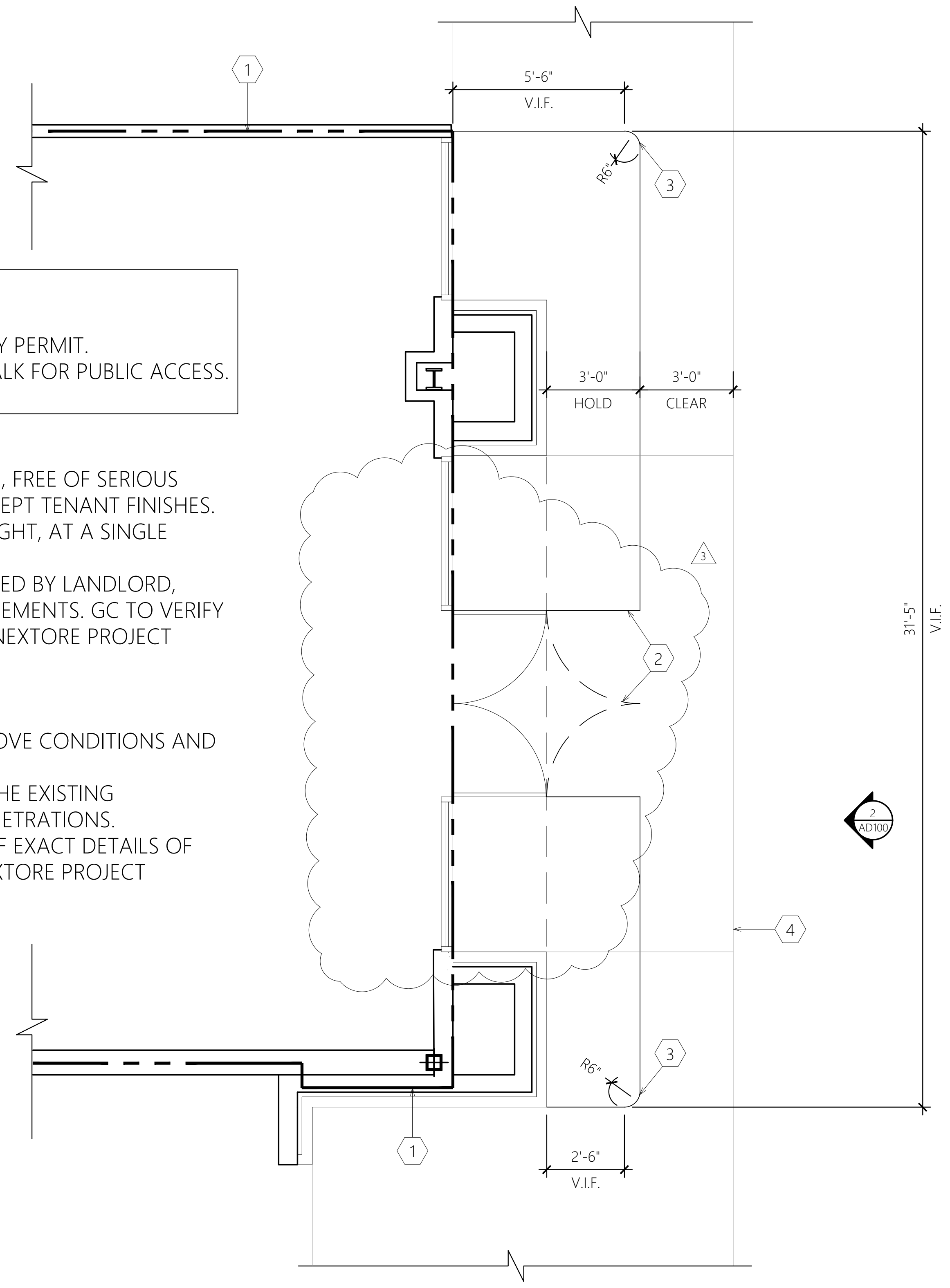
FOR DESIGN REFERENCE ONLY:

- G.C. TO SECURE ENGINEERED DRAWINGS FOR CITY PERMIT.
- G.C. TO MAINTAIN 3'-0" CLEAR SPACE ON SIDEWALK FOR PUBLIC ACCESS.

LANDLORD TO PROVIDE:
MIN EXISTING 4" THICK CONCRETE SLAB TO REMAIN AS-IS, FREE OF SERIOUS DEFECTS, LEVEL TO WITHIN 1/4" EVERY 10', READY TO ACCEPT TENANT FINISHES. FLOOR SLAB SHALL BE EXPOSED, SMOOTH AND WATERTIGHT, AT A SINGLE ELEVATION.

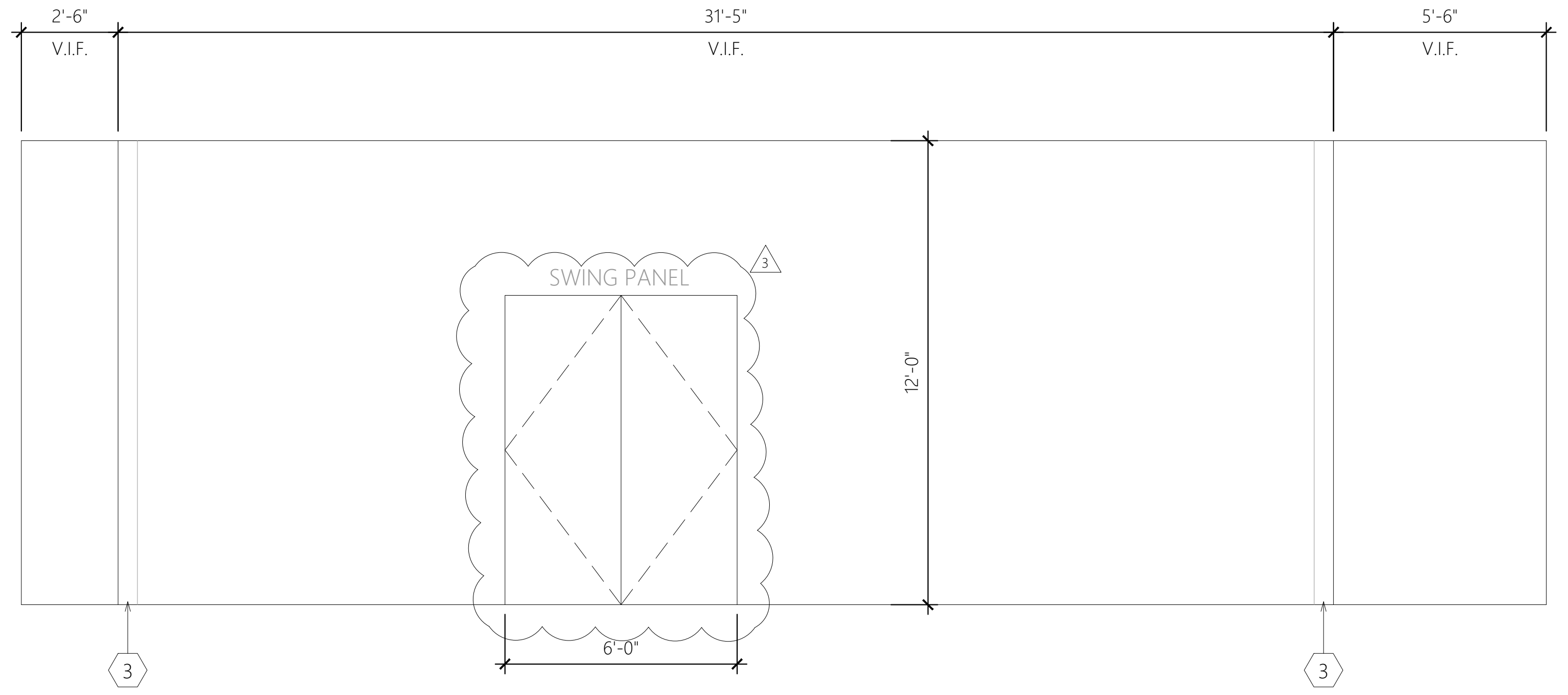
- IF EXISTING FLOORING EXISTS IT MUST BE REMOVED BY LANDLORD, CLEANED AND SLAB LEVELED PER ABOVE REQUIREMENTS. GC TO VERIFY FLATNESS OF FLOOR. REPORT IMMEDIATELY TO NEXTORE PROJECT MANAGER.

GENERAL CONTRACTOR:
G.C. PRIOR TO CONSTRUCTION START TO VERIFY THE ABOVE CONDITIONS AND DELIVER REPORT TO NEXTORE PROJECT MANAGER.
G.C. RESPONSIBLE TO PATCH, REPAIR & FIRE CAULK ALL THE EXISTING PENETRATIONS OF SPRINKLER & HVAC & ANY OTHER PENETRATIONS.
GC SHALL NOT BE REIMBURSED FOR FLOOR PREP WORK IF EXACT DETAILS OF EXISTING FLOOR CONDITION ARE NOT PROVIDED TO NEXTORE PROJECT MANAGER IN WRITING UPON ARRIVAL AT SPACE.



1 BARRICADE FLOOR PLAN

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



2 BARRICADE ELEVATION

SCALE: N.T.S.

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
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6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

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Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

FOR REFERENCE ONLY

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title BARRICADE FLOOR PLAN & ELEVATION

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet AD100

8 WALL LEGEND

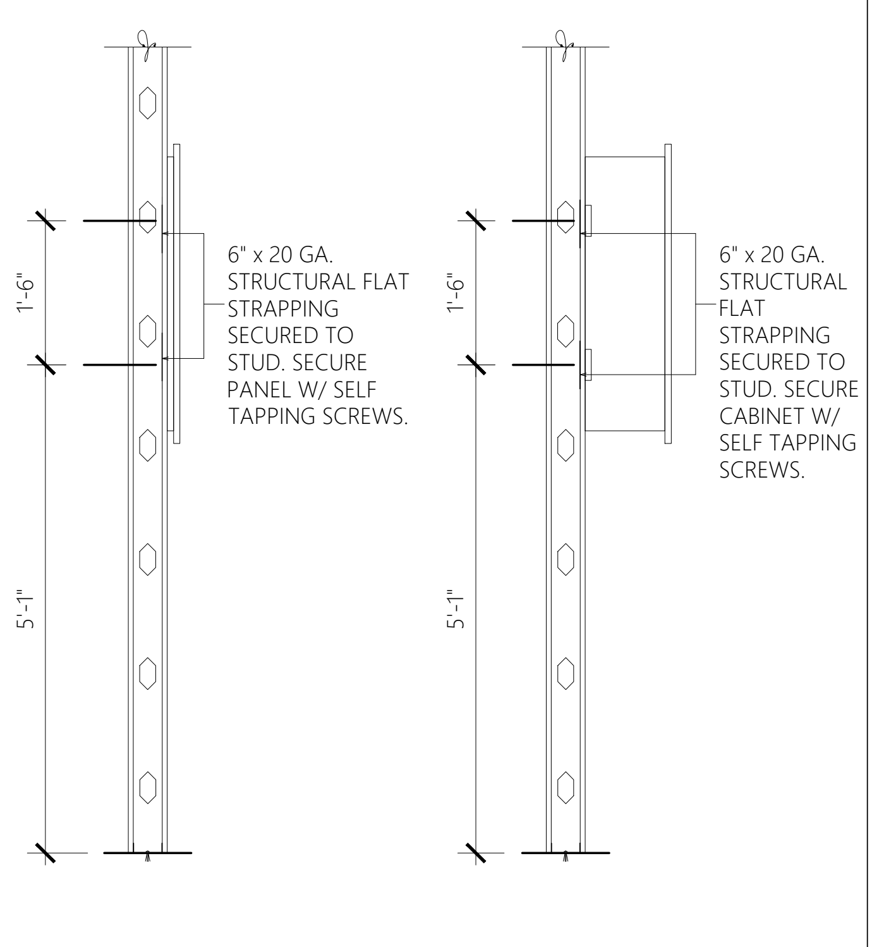
	CENTER LINE		NEW WALL W/ SOUND BATTS
	LEASE LINE		EXISTING WALLS
▨	NEW WALLS		NEW/EXTG. BULKHEAD
DETAIL SHEET #	WALL TYPES	#	DOOR NUMBER
	DOORS SHOWN FULLY OPEN TO 90° ARE CONSIDERED AS NEW DOORS, HARDWARE, JAMBS, ETC.		DOORS SHOWN PARTIALLY OPEN TO 45° ARE CONSIDERED AS EXISTING DOORS, HARDWARE, JAMBS,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

5-SGH4.1-A101-REV 0.0

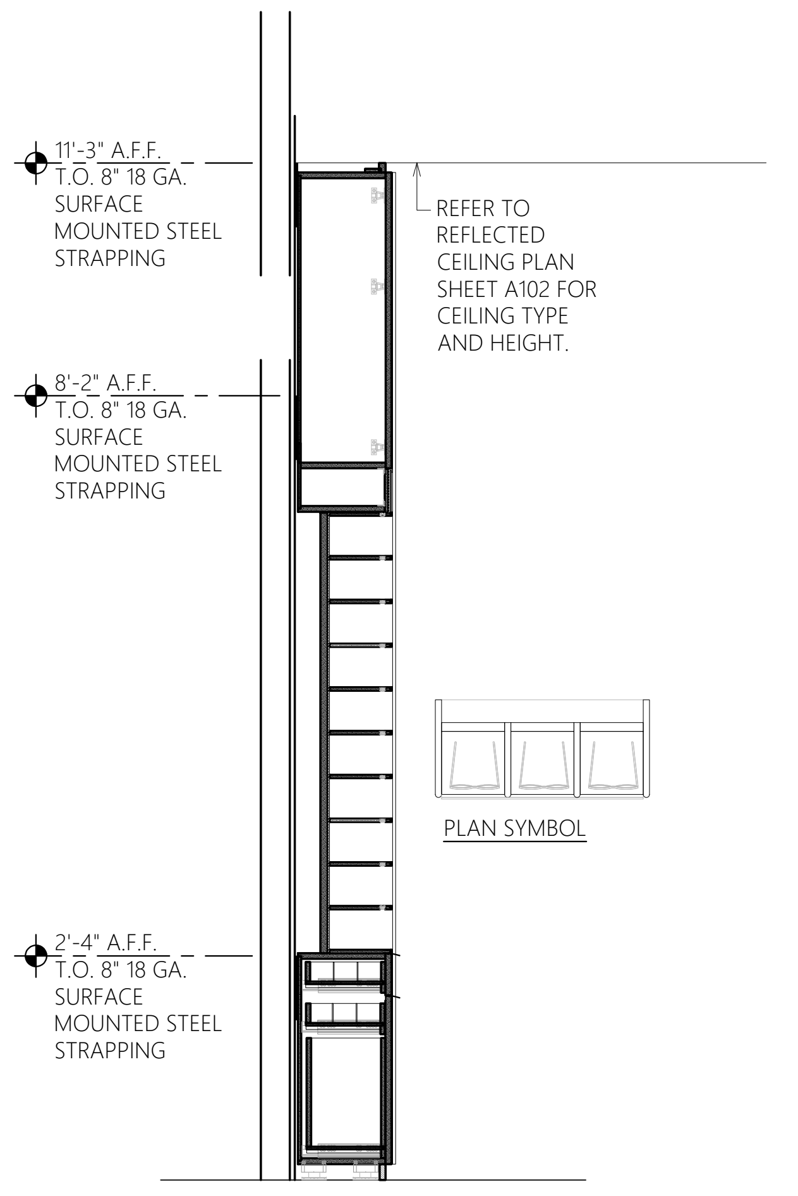
9 TARGET FACINGS - RED/1000

BRAND	TARGET FACINGS	ACTUAL FACINGS
RAYBAN	202	222
OAKLEY	83	86
LUXURY	142	164
CONSUMER	610	560
DESIGNER SALE	50	60
TOTAL	1087	1092

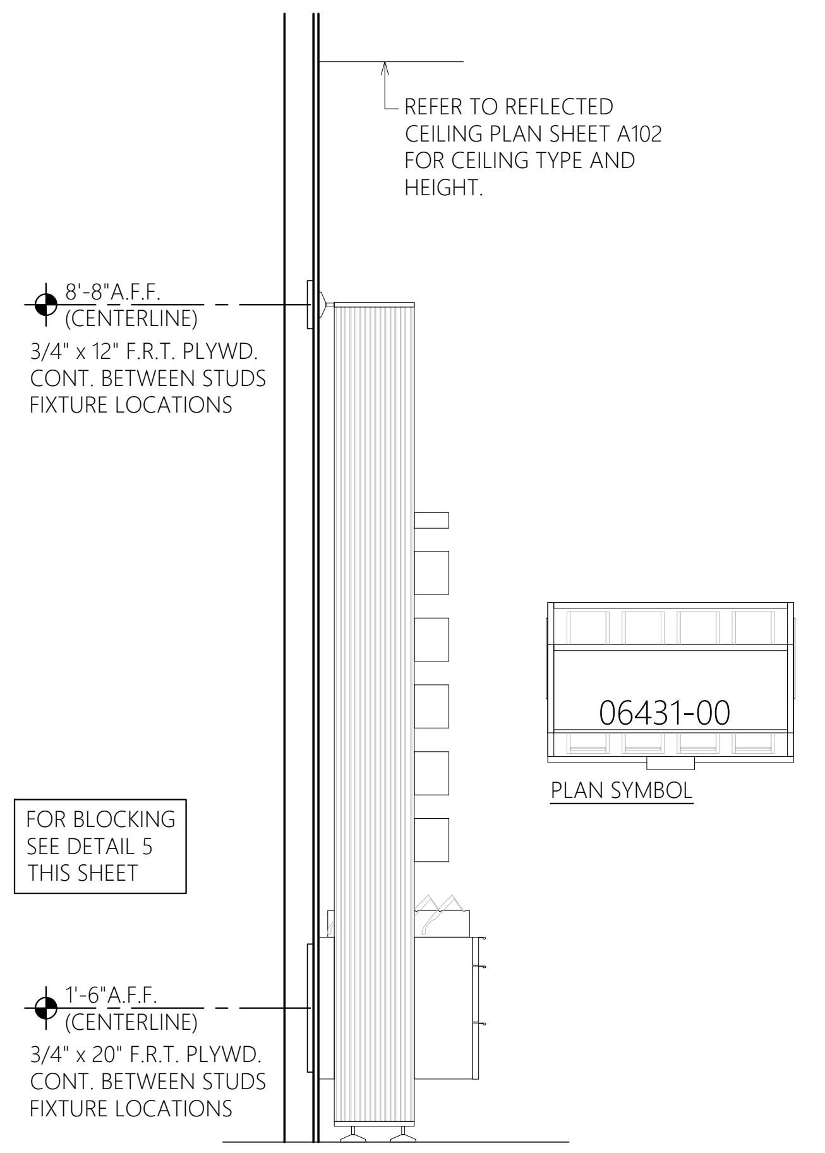
5 WALL PANEL & CABINET BLOCKING DETAIL


1'-6"
5'-1"
6" x 20 GA. STRUCTURAL FLAT STRAPPING SECURED TO STUD. SECURE PANEL W/ SELF TAPPING SCREWS.
1'-6"
5'-1"
6" x 20 GA. STRUCTURAL FLAT STRAPPING SECURED TO STUD. SECURE CABINET W/ SELF TAPPING SCREWS.

4 FIXTURE SECTION


11'-3" A.F.F.
T.O. 8" 18 GA. SURFACE MOUNTED STEEL STRAPPING
REFER TO REFLECTED CEILING PLAN SHEET A102 FOR CEILING TYPE AND HEIGHT.
8'-2" A.F.F.
T.O. 8" 18 GA. SURFACE MOUNTED STEEL STRAPPING
PLAN SYMBOL
2'-4" A.F.F.
T.O. 8" 18 GA. SURFACE MOUNTED STEEL STRAPPING

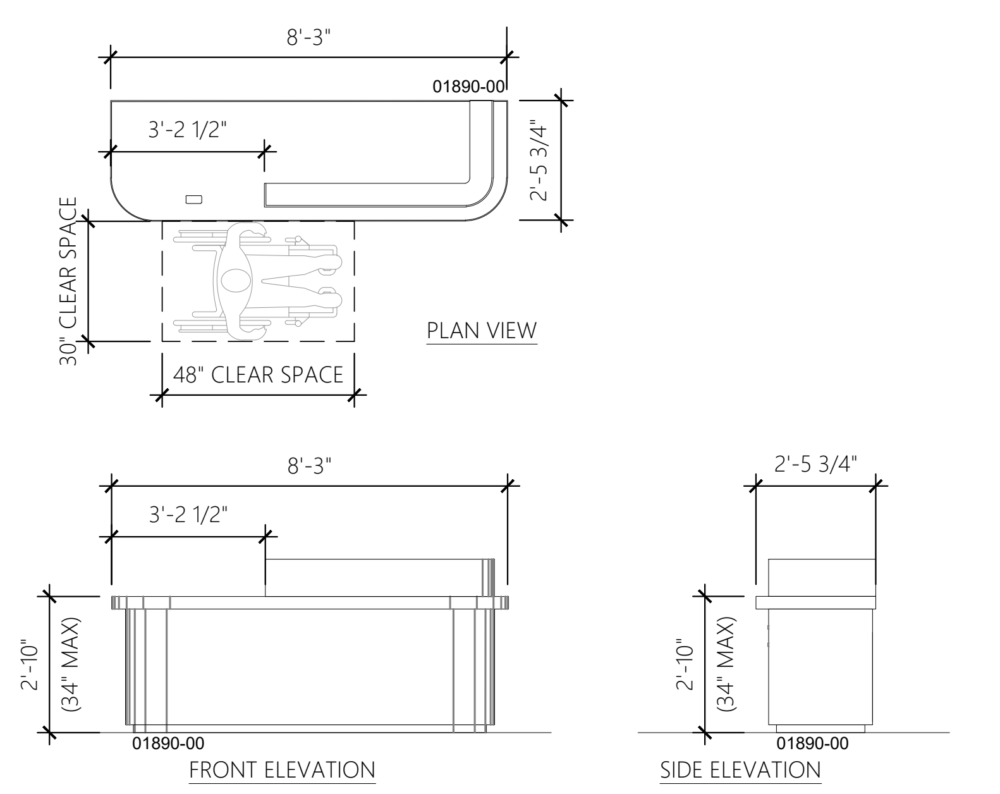
3 FIXTURE SECTION


REFER TO REFLECTED CEILING PLAN SHEET A102 FOR CEILING TYPE AND HEIGHT.
8'-8"A.F.F.
(CENTERLINE)
3/4" x 12" F.R.T. PLYWD. CONT. BETWEEN STUDS FIXTURE LOCATIONS
06431-00
PLAN SYMBOL
FOR BLOCKING SEE DETAIL 5 THIS SHEET
1'-6"A.F.F.
(CENTERLINE)
3/4" x 20" F.R.T. PLYWD. CONT. BETWEEN STUDS FIXTURE LOCATIONS

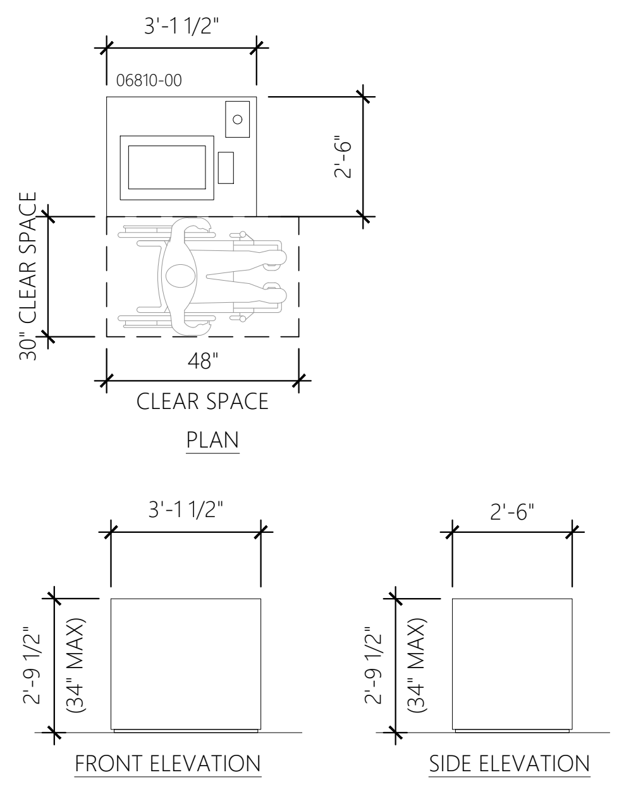
1 KEY NOTES

1. LEASE LINE, G.C. TO REPORT ACTUAL DIMENSIONS VS SHOWN DIMENSIONS TO PROJECT MANAGER PRIOR TO CONSTRUCTION START.
2. INSTALL 2A-10BC FIRE EXTINGUISHERS IN A RECESSED CABINET, PAINTED TO MATCH WALL, AS DIRECTED BY THE FIRE MARSHAL. (SUGGESTED LOCATIONS ON PLAN.)
3. INSTALL SALES AREA WALL FIXTURES SEQUENTIALLY STARTING AT THIS POINT. DIMENSIONS ARE TO THE CENTERLINE OF THE FIXTURE. GC TO VERIFY ADJACENT WALL IS CLEAN, LEVEL, STRAIGHT AND PLUMB. SEE PERIMETER WALL FIXTURE SECTION DETAIL "3", THIS SHEET FOR BLOCKING REQUIREMENTS. COORDINATE WITH ELECTRICAL FOR REQUIRED POWER AND DATA.
4. INSTALL CASH WRAP AND BACK WRAP AS INDICATED. CASH WRAP PROVIDED WITH AN ACCESSIBLE CHECK OUT COUNTER SURFACE AREA THAT IS A MINIMUM 36" L @ 34" A.F.F. MAX, AND PROVIDES A 30" X 48" CLEAR FLOOR SPACE FOR A PARALLEL APPROACH, SEE FIXTURE DETAIL "6 & 7". COORDINATE WITH ELECTRICAL FOR REQUIRED POWER AND DATA.
5. 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.
6. PROVIDE CONSTRUCTION FOR, AND INSTALL LIGHT BOXES AND LED WALLS AS INDICATED. GC TO COORDINATE WITH NEXTORE PM FOR FIXTURE SPECIFICATIONS AND DETAILS. COORDINATE WITH SHEETS A402 FOR INSTALLATION DETAILS. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
7. INSTALL DIGITAL SMART SHOPPER FIXTURES AS INDICATED WITH G.C. PROVIDED MIRROR ABOVE, SEE SHEET A402b. SEE ELECTRICAL SHEETS FOR REQUIRED ELECTRICAL INFORMATION.
8. INSTALL GRAPHIC PACKAGE ITEMS AS INDICATED, REFER TO RESPONSIBILITY SCHEDULE ON G002 AND GRAPHICS SCHEDULES FOR RESPONSIBILITIES. REFER TO INTERIOR ELEVATIONS FOR MOUNTING DIMENSIONS AS APPLICABLE.
9. G.C. TO PROVIDE AND INSTALL BLOCKING FOR PERIMETER WALL FIXTURES. SEE SECTION "3" THIS SHEET AND ELEVATION SHEETS FOR LOCATION.
10. SEE DETAIL "5" THIS SHEET FOR WALL PANEL AND CABINET BLOCKING DETAIL FOR O.D. ROOMS.
11. NEW SECURITY FILM (GF-4) AT STOREFRONT, INSTALLED ON INSIDE FACE OF GLAZING.
12. CONTRACTOR TO BOLT SAFE TO FLOOR. CHECK WITH SAFE MANUFACTURER FOR KIT OR BOLTING INSTRUCTIONS.
13. LIGHT FIXTURE, SEE REFLECTED CEILING PLAN ON SHEET A102.
14. IPAD CHARGING IN THE BACKWRAP. COORDINATE WITH NEXTORE PM FOR SPECIFICATIONS.
15. G.C. TO PROVIDE AND INSTALL BLOCKING FOR PERIMETER WALL FIXTURES. SEE SECTION "4" THIS SHEET AND ELEVATION SHEETS FOR LOCATION.
16. INSTALL NEW DOCTOR'S EQUIPMENT IN THE EXAM ROOMS, PRE-TEST ROOMS, AND URGENT CARE LAB AS REQUIRED. REFER TO RESPONSIBILITY SCHEDULE ON G002. COORDINATE WITH ELECTRICAL FOR REQUIRED POWER AND DATA.
17. INSTALL NEW SINKS IN THE EXAM ROOMS AND CONTACT LENS AREA AS REQUIRED. COORDINATE WITH PLUMBING DRAWINGS FOR DETAILS.
18. APPLY PAINTABLE CAULK WHERE MILLWORK MEETS GYP BD. WALL.
19. NEW WALL LIGHT FIXTURES IN RESTROOMS. SEE ELEVATIONS ON SHEET A204 AND ELECTRICAL SHEETS FOR MORE INFORMATION.
20. INSTALL COAT HOOKS AT 48" AND 72" A.F.F. TO CENTERLINE OF HOOKS ON O.D. AREA DOORS AS INDICATED.
21. FULL LENGTH MIRROR, REFER TO SHEET A104.
22. INSTALL NEW MOP SINK IN THE URGENT CARE LAB AS INDICATED. COORDINATE WITH PLUMBING DRAWINGS.
23. HI/LO DRINKING FOUNTAIN FIXTURE. SEE PLUMBING SHEETS AND SHEET G002 FOR MORE INFORMATION.
24. INSTALL NEW FIXTURES AND ACCESSORIES IN TOILET ROOMS AS REQUIRED. COORDINATE WITH TOILET ROOM SHEETS FOR DETAILS.
25. NEW ELECTRICAL PANELS AND EQUIPMENT IN THE BACK OF HOUSE AREA AS INDICATED. COORDINATE WITH ELECTRICAL DRAWINGS.
26. NEW TELEPHONE AND SECURITY SYSTEMS BOARD IN THE BACK OF HOUSE AREA. COORDINATE WITH ELECTRICAL DRAWINGS.

7 CASHWRAP (01890-01)


8'-3"
01890-00
3'-2 1/2"
2'-5 3/4"
30" CLEAR SPACE
48" CLEAR SPACE
PLAN VIEW
8'-3"
3'-2 1/2"
2'-10"
(34" MAX)
01890-00
FRONT ELEVATION
2'-5 3/4"
2'-10"
(34" MAX)
01890-00
SIDE ELEVATION

6 CASHWRAP (06810-00)


3'-1 1/2"
06810-00
2'-6"
30" CLEAR SPACE
48"
CLEAR SPACE
PLAN
3'-1 1/2"
2'-9 1/2"
(34" MAX)
FRONT ELEVATION
2'-6"
2'-9 1/2"
(34" MAX)
SIDE ELEVATION

2 GENERAL NOTES

A. ALL METAL BENCH COUNTERTOPS AT SINK LOCATIONS SHALL RECEIVE A MARINE EDGE.
B. REFER TO SPECIFICATIONS SCHEDULE FOR ADDITIONAL DETAILS.
C. NEW SIGN BY SIGNAGE CONTRACTOR TO BE INSTALLED. SIGNAGE TO COMPLY WITH LOCAL SIGNAGE CODES. SIGNAGE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDLORD FOR APPROVAL.
D. ALL DIMENSIONS ARE TO FACE OF GYP. BD. UNLESS NOTED OTHERWISE ON PLANS.
E. G.C. TO REFERENCE FIXTURE CONTRACTORS SHOP DRAWINGS FOR INSTALLATION INSTRUCTIONS FOR ALL FIXTURES, WALL CABINETS, BASE CABINETS, AND COUNTERTOPS. G.C. TO COORDINATE WITH FIXTURE CONTRACTOR TO ENSURE PROPER FIT OF ALL COMPONENTS.
F. G.C. TO ENSURE FIXTURES ARE PROTECTED DURING CONSTRUCTION.
G. DO NOT SILICONE LENS PROCESS ROOM TABLES OR BACK SPLASHES TO THE WALL. INSTALL PER MFG INSTRUCTIONS.
H. G.C. TO PROVIDE ADEQUATE BRACING, AS REQUIRED, IN WALLS TO SUPPORT WALL CABINETS AND FIXTURES.
I. G.C. TO FURNISH AND INSTALL LOCKSET OPERATIONAL BY TENANT ONLY.
J. G.C. TO SIGN FOR PACKAGES WITH A NOTE "SUBJECT TO CONCEALED DAMAGES" ON IT.
K. G.C. TO INSTALL LOCKERS IN EMPLOYEE AREA PER MANUFACTURER'S RECOMMENDATIONS.
L. REFER TO ACCESSIBILITY ACCESS SIGNAGE ON SHEET G002.
M. FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

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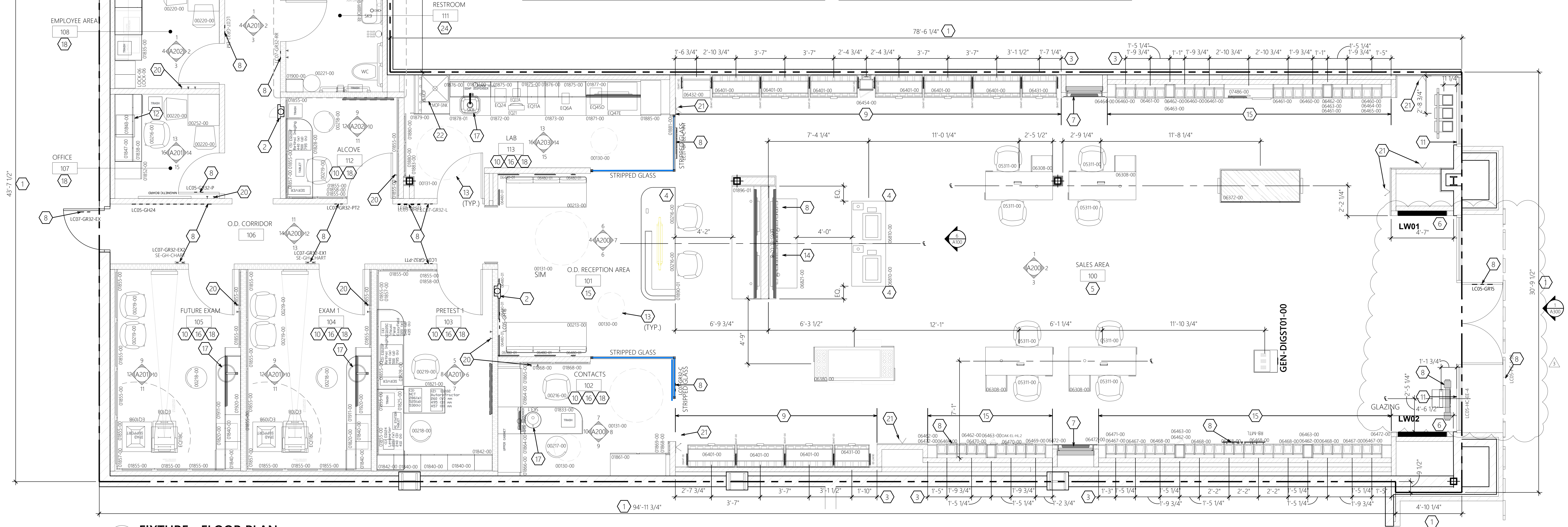

21'-3 3/4"
43'-7 1/2"
78'-6 1/4"
94'-11 3/4"
30'-9 1/2"
ELECTRICAL
109
EMPLOYEE AREA
108
OFFICE
107
RESTROOM
110
RESTROOM
111
LAB
113
ALCOVE
112
O.D. CORRIDOR
106
O.D. RECEPTION AREA
101
SIM
FUTURE EXAM
105
EXAM 1
104
PRETEST
103
CONTACTS
102
SALES AREA
100
STRIPPED GLASS
GLAZING
LW01
LW02
GEN-DIGST01-00

1 FIXTURE - FLOOR PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
FIXTURE FLOOR PLAN

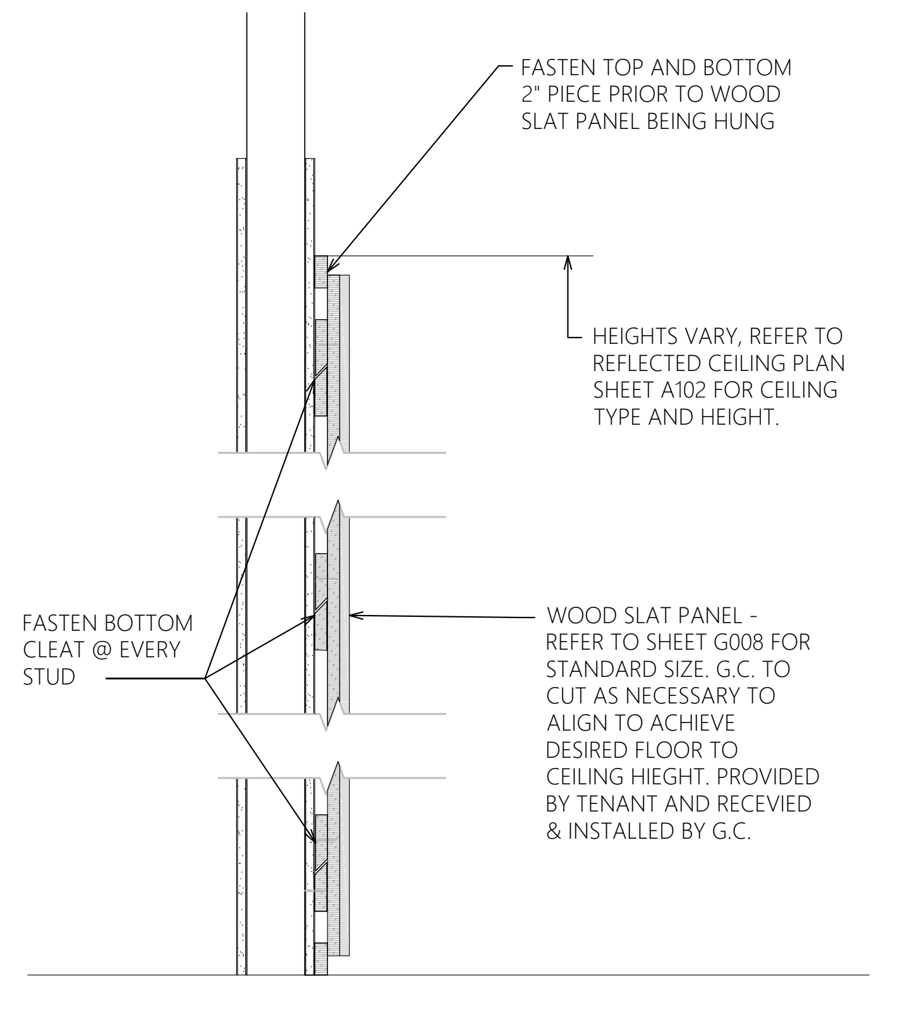
Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A100

3 WALL LEGEND

— — —	CENTER LINE	∿∿∿∿	NEW WALL W/ SOUND BATTS
—‑‑—‑‑—	LEASE LINE	═	EXISTING WALLS
▨	NEW WALLS	‑ ‑ ‑ ‑	NEW/EXTG. BULKHEAD
—DETAIL —SHEET #	WALL TYPES	#	DOOR NUMBER
	DOORS SHOWN FULLY OPEN TO 90° ARE CONSIDERED AS NEW DOORS, HARDWARE, JAMBS, ETC.		DOORS SHOWN PARTIALLY OPEN TO 45° ARE CONSIDERED AS EXISTING DOORS, HARDWARE, JAMBS, ETC.

5-SGH4.1-A101-REV 0.0

4 WSP-101 DETAIL


FASTEN TOP AND BOTTOM 2" PIECE PRIOR TO WOOD SLAT PANEL BEING HUNG
HEIGHTS VARY, REFER TO REFLECTED CEILING PLAN SHEET A102 FOR CEILING TYPE AND HEIGHT.
FASTEN BOTTOM CLEAT @ EVERY STUD
WOOD SLAT PANEL - REFER TO SHEET G008 FOR STANDARD SIZE. G.C. TO CUT AS NECESSARY TO ALIGN TO ACHIEVE DESIRED FLOOR TO CEILING HIEGHT. PROVIDED BY TENANT AND RECEVIED & INSTALLED BY G.C.

1 KEY NOTES

1. LEASE LINE, G.C. TO REPORT ACTUAL DIMENSIONS VS SHOWN DIMENSIONS TO PROJECT MANAGER PRIOR TO CONSTRUCTION START.
2. EXISTING SHELL BUILDING AND NEW STOREFRONT. SEE ELEVATIONS A300.
3. EXISTING CONCRETE SLAB AS PROVIDED BY LANDLORD. MUST BE LEVEL AND CLEAN OF ANY FOREIGN MATERIALS PRIOR TO INSTALLING NEW FINISHED FLOORING. PROVIDE FLOOR PREP AS REQUIRED. SCRAPE GRIND ETC. G.C. TO PERFORM CONCRETE MOISTURE VAPOR EMISSIONS TEST BEFORE INSTALLING ANY FLOORING - REFER TO SPECIFICATIONS FOR MOISTURE TEST PROCEDURES.
4. EXISTING SHELL BUILDING AND DEMISING WALLS. G.C. TO PATCH/ REPAIR AS REQUIRED TO MAINTAIN REQUIRED FIRE RATING & LEVEL FOUR FINISH.
5. G.C. TO PROVIDE AND INSTALL NEW METAL STUD FURRING ON DEMISING WALLS AND IN-WALL BLOCKING FOR PERIMETER WALL FIXTURES. SEE SECTION 3/A100 FOR LOCATIONS.
6. EXISTING COLUMN.
7. NEW GLAZING WINDOW. SEE DETAILS ON SHEET G007b. PROVIDE AND INSTALLED BY G.C. COORDINATE WITH ELEVATIONS ON SHEET A200 AND SECTIONS ON SHEET A400.
8. DEMO EXISTING STOREFRONT WINDOW SYSTEM. PATCH, REPAIR AND PREP FOR NEW ALUMINUM STOREFRONT SYSTEM COORDINATE CENTER REQUIREMENTS WITH LL SUBMIT SHOP DRAWINGS FOR APPROVAL.
9. FLOOR TO CEILING MIRROR, SEE 8/A402b FOR SECTION AND MORE INFORMATION.
10. WOOD SLAT PANEL (WSP-101) PROVIDED BY TENANT AND INSTALLED BY G.C.. G.C. TO FASTEN CLEAT AT EVERY WALL STUD (TYPICAL OF THREE), REFER TO DETAIL 4/A101 FOR MORE INFORMATION.
11. INSTALL NEW HAND SINKS IN O.D. AREAS AS REQUIRED. REFER TO PLUMBING DRAWINGS.
12. NEW DRINKING FOUNTAIN.
13. INSTALL NEW MOP SINK WITH HOT WATER HEATER IN THE LAB AREA AS INDICATED. REFER TO PLUMBING DRAWINGS.
14. REFER TO SHEET A203 FOR GRAB BAR INSTALLATION DETAILS. TYPICAL.
15. G.C. TO PROVIDE AN INSTALL NEW METAL STUD FURRING ON DEMISING WALLS AND SURFACE MOUNTED STEEL STRAPPING FOR PERIMETER WALL FIXTURES. SEE SECTION 5/A100 FOR LOCATIONS.
16. ELECTRICAL DISTRIBUTION EQUIPMENT. REFER TO ELECTRICAL DRAWINGS. G.C. TO DEMARCATE IN CAUTION TAPE THE REQUIRED CLEARANCE A THE ELECTRICAL EQUIPMENT, AS INDICATED. MUST BE 42" CLEAR FROM FACE & 30" CLEAR SIDE TO SIDE, ABOVE AND BELOW.
17. NEW PHONE BOARD. (2) 4x8 SHEETS OF PLYWOOD INSTALLED VERTICALLY @ 18" A.F.F.. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
18. PROVIDE CONSTRUCTION AS REQUIRED FOR RECESSED FIRE EXTINGUISHER CABINETS. USE 6" DEEP STUDS AS REQUIRED.
19. PROVIDE (2) NEW A.D.A. COMPLIANT TOILET ROOMS ALONG WITH ALL REQUIRED FIXTURES AND ACCESSORIES AS REQUIRED. COORDINATE WITH TOILET ROOM SHEET A203 FOR DETAILS.
20. APPLY WHITE SILICONE CAULK ALONG JOINTS AT WET AREAS.
21. EDGE OF CEILING SOFFIT ABOVE, REFER TO REFLECTED CEILING PLAN ON SHEET A102.
22. NEW FLOOR DRAIN, REFER TO P200 FOR MORE INFORMATION.

2 GENERAL NOTES

A. GC TO MAINTAIN ALL DIMENSIONS AS SPECIFIED FOR LENS PROCESS ROOM. NOTIFY LUXOTTICA PROJECT MANAGER OF ANY DISCREPANCIES OF HOLD DIMENSIONS.

B. GC 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 CLOSURE LINE AND THE EXISTING MALL FLOORING.

C. GC IS RESPONSIBLE FOR INSTALLING ALL FINISH FLOORING. GC IS ALSO RESPONSIBLE FOR ALL FINISH WALL MATERIALS BEHIND AND UNDER ALL MILLWORK.

D. GC SHALL SUPPLY AND INSTALL BLOCKING IN ALL WALLS 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.

E. 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.

F. REFER TO SPECIFICATIONS G003-G006.

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

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

I. GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE REPRESENTATIVE LISTED AS SOON AS CONTRACTS ARE AWARDED TO COMMUNICATE DESIRED SCHEDULE DATES AND PROJECT INFORMATION.

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

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

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

M. G.C. TO POST A SIGN ABOVE ENTRY DOORS WITH ONE INCH LETTERS STATING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED". WHEN UNLOCKED, DOORS MUST SWING WITHOUT OPERATION OF ANY LATCHING DEVICE. (NOTE: DEADBOLTS ARE NOT ALLOWED ON SECOND EXIT DOOR.)

N. FIRE MARSHAL TO DETERMINE FINAL QUANTITIES AND LOCATION OF FIRE EXTINGUISHERS.

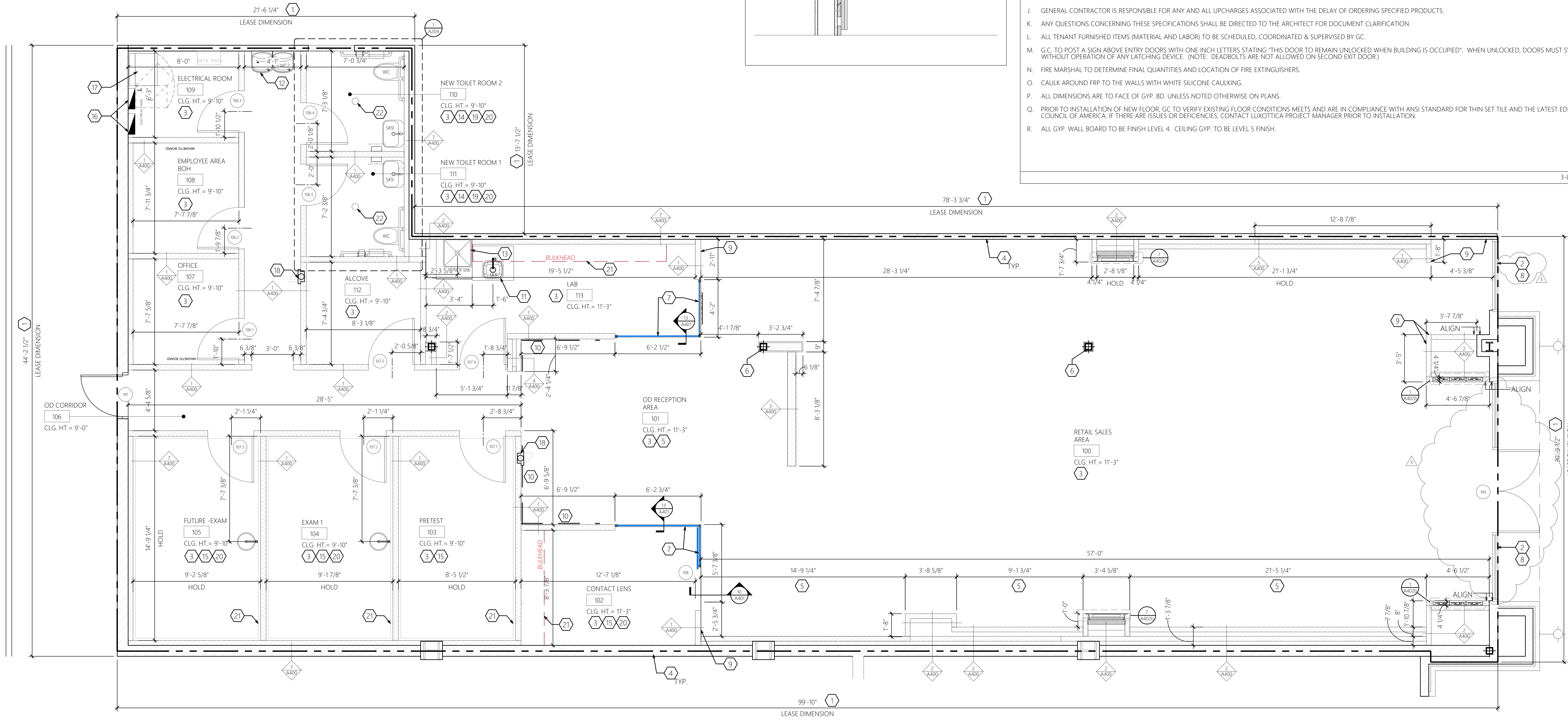
O. CAULK AROUND FRP TO THE WALLS WITH WHITE SILICONE CAULKING.

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

Q. PRIOR TO INSTALLATION OF NEW FLOOR, 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 LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.

R. ALL GYP. WALL BOARD TO BE FINISH LEVEL 4. CEILING GYP. TO BE LEVEL 5 FINISH.

3-LCI-A101-REV 0.0


21'-6 1/4" 1
LEASE DIMENSION
1 A204
ELECTRICAL ROOM
109
CLG. HT.= 9'-10"
3
DATA RACK
8'-0"
4'-1"
WC2
12
17
16
6'-3"
ELECTRICAL PANEL
106.3
1'-10 1/2"
MAGNETIC BOARD
EMPLOYEE AREA BOH
108
CLG. HT.= 9'-10"
7'-11 3/4"
7'-7 7/8"
106.2
1'-9 7/8"
OFFICE
107
CLG. HT.= 9'-10"
7'-7 5/8"
7'-7 7/8"
106.1
1'-10"
6 3/8"
3'-0"
6 3/8"
18
7'-0 3/4"
NEW TOILET ROOM 2
110
CLG. HT.= 9'-10"
3 14 19 20
NEW TOILET ROOM 1
111
CLG. HT.= 9'-10"
3 14 19 20
WC
SK9
AIR DRYER
22
106.4
106.5
7'-3 1/8"
2'-0 1/8"
2'-0"
7'-2 3/8"
13'-7 1/2"
LEASE DIMENSION
ALCOVE
112
CLG. HT.= 9'-10"
7'-4 3/4"
8'-3 1/8"
107.5
2'-0 5/8"
8 3/4"
1'-7 1/2"
107.4
1'-8 3/4"
5'-1 3/4"
11 7/8"
2'-4 1/4"
MOP-SINK
SK8
2'-3 5/8"
13
11
3'-4"
1'-6"
BULKHEAD
19'-5 1/2"
21
LAB
113
CLG. HT.= 11'-3"
2'-11"
4'-2"
9
7
13 A401
6'-9 1/2"
6'-2 1/2"
10
4'-1 7/8"
3'-2 3/4"
9"
6 1/8"
7'-4 7/8"
8'-3 1/8"
6
78'-3 3/4" 1
LEASE DIMENSION
28'-3 1/4"
4 TYP.
1'-7 3/4"
2'-8 1/8"
4 1/4" HOLD 4 1/4"
7 A402b
12'-8 7/8"
21'-1 3/4"
HOLD
1'-8"
4'-5 3/8"
2 8
3'-7 7/8"
ALIGN
3'-5"
4 1/4"
1 A402b
4'-6 7/8"
ALIGN
EXTERIOR SIDEWALK
30'-9 1/2"
LEASE DIMENSION
100
44'-2 1/2"
LEASE DIMENSION
101
OD CORRIDOR
106
CLG. HT.= 9'-0"
28'-5"
4'-4 5/8"
2'-1 1/4"
2'-1 1/4"
2'-8 3/4"
107.3
107.2
107.1
FUTURE -EXAM
105
CLG. HT.= 9'-10"
3 15 20
EXAM 1
104
CLG. HT.= 9'-10"
3 15 20
PRETEST
103
CLG. HT.= 9'-10"
3 15
7'-7 3/8"
7'-7 3/8"
14'-9 1/4"
HOLD
9'-2 5/8"
9'-1 7/8"
8'-5 1/2"
HOLD
HOLD
HOLD
21
OD RECEPTION AREA
101
CLG. HT.= 11'-3"
3 5
6'-9 5/8"
6'-9 1/2"
6'-2 3/4"
BULKHEAD
8'-3 7/8"
108
5'-7 3/8"
12'-7 1/8"
CONTACT LENS
102
CLG. HT.= 11'-3"
3 15 20
10 A401
2'-5 3/4"
RETAIL SALES AREA
100
CLG. HT.= 11'-3"
3
57'-0"
14'-9 1/4"
3'-8 5/8"
9'-1 3/4"
3'-4 5/8"
21'-5 1/4"
4'-6 1/2"
5
1'-0"
1'-3 7/8"
7 7/8"
8"
1'-10 7/8"
ALIGN
99'-10" 1
LEASE DIMENSION
1 A400
2 A400
3 A400
4 A400
5 A400
7 A400

1 CONSTRUCTION - FLOOR PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: REV 09

Nextore project Number 84169

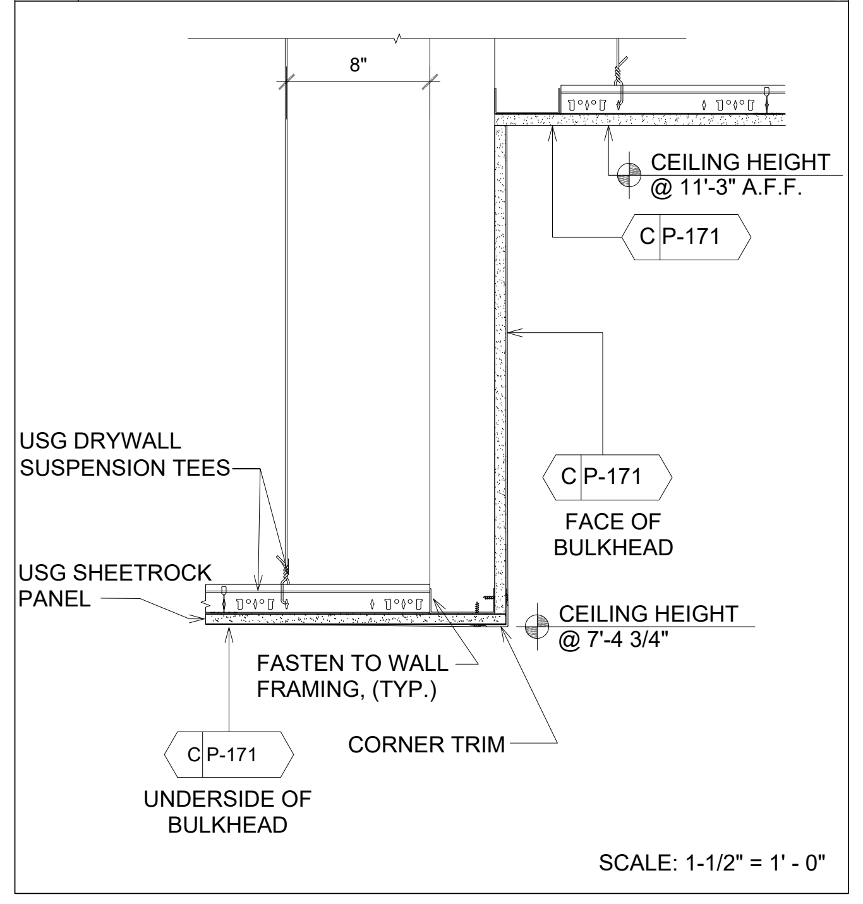
Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
CONSTRUCTION PLAN

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A101

B SOFFIT DETAIL


8"
CEILING HEIGHT @ 11'-3" A.F.F.
C P-171
USG DRYWALL SUSPENSION TEES
C P-171
FACE OF BULKHEAD
USG SHEETROCK PANEL
CEILING HEIGHT @ 7'-4 3/4"
FASTEN TO WALL FRAMING, (TYP.)
C P-171
CORNER TRIM
UNDERSIDE OF BULKHEAD

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

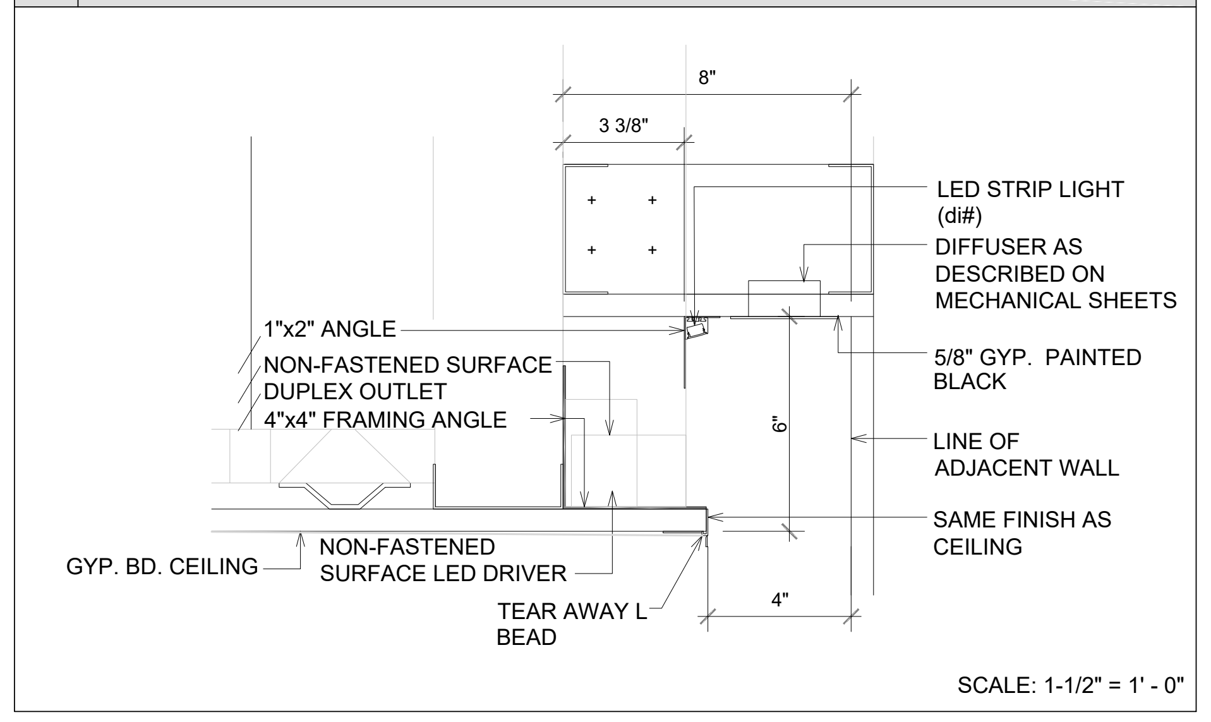
4 SPRINKLER SYSTEM NOTES

FOR NEW FIRE SPRINKLER SYSTEM:
CONTRACTOR SHALL PROVIDE A COMPLETE FIRE PROTECTION SPRINKLER SYSTEM FOR THE ENTIRE SPACE IN COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS AND THE LANDLORD'S CRITERIA. THE CONTRACTOR SHALL HAVE DRAWINGS, SHOP DRAWINGS, APPLICATIONS AND SUBMITTALS PREPARED BY A PROPERLY LICENSED PROFESSIONAL, WHO IS APPROVED BY THE LANDLORD. ALL DRAWINGS AND CONSTRUCTION SHALL BE IN COMPLIANCE WITH ALL CODES, REGULATIONS, INSURANCE ASSOCIATIONS AND RATING BUREAUS AND SHALL INCLUDE ALL PERMITS, TESTS, SHUT DOWN FEES AND CERTIFICATIONS TO PROVIDE A COMPLETE IN PLACE SYSTEM.

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 LANDLORD AND BUILDING AND 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.

DESIGN STANDARDS:
- HARD CEILING AND CEILING TILE AT RETAIL AREA / STOREFRONT: WHITE CONCEALED HEADS; RELIABLE MODEL 'G-4'; TYCO 'RF-11'
- CEILING TILE AT OD, AND LENS PROCESS: RECESSED WHITE PENDANT HEADS WITH WHITE TRIM RINGS; RELIABLE MODEL "G-F1'; TYCO 'TY-L'
- CEILING TILE AT LOUNGE, OFFICE, AND BACK OF HOUSE: WHITE PENDANT HEADS WITH WHITE TRIM RINGS; RELIABLE MODEL "G"; 'TY-L'

C COVE DETAIL


8"
3 3/8"
LED STRIP LIGHT (di#)
DIFFUSER AS DESCRIBED ON MECHANICAL SHEETS
1"x2" ANGLE
NON-FASTENED SURFACE DUPLEX OUTLET
4"x4" FRAMING ANGLE
5/8" GYP. PAINTED BLACK
LINE OF ADJACENT WALL
SAME FINISH AS CEILING
GYP. BD. CEILING
NON-FASTENED SURFACE LED DRIVER
TEAR AWAY L BEAD
4"

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

3 GENERAL NOTES

A. EMERGENCY (EM) LUMINAIRES SHALL BE CIRCUITED WITH AN "UNSWITCHED HOT" TO PROVIDE CONTINUOUS POWER TO BATTERY PACK EVEN WHEN LUMINAIRE IS OFF.

B. ~~ALL NIGHT-LIGHT (NL) LUMINAIRES SHALL BE CIRCUITED AHEAD OF ANY SWITCHING~~

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

D. 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 LUXOTTICA PROJECT MANAGER FOR DIRECTION.

E. WHERE DRYWALL CEILINGS ARE USED IN THE SALES AREA, G.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 LUXOTTICA PROJECT MANAGER FOR DIRECTION.

F. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

G. LIGHTING SHALL BE CIRCUITED EXACTLY AS SHOWN ON PLANS. CIRCUITING SHALL BE THRU-WIRING WHEREVER POSSIBLE. MULTIPLE CONNECTIONS TO A SINGLE LIGHT FIXTURE FOR VOLTAGE DROP CONDITIONS OR AS A RESULT OF A FIELD CONDITION ARE ACCEPTABLE. LIGHTING FIXTURES SHALL BE MANUFACTURED TO ACCOMMODATE THRU-WIRING, ANY RELATED COSTS FOR MULTIPLE CONNECTIONS SHALL BE INCLUDED IN BID.

H. G.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY LUXOTTICA. G.C. IS RESPONSIBLE TO ENSURE THE ADJUST ABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C. LIGHT FIXTURE SPECIFICATIONS MAY VARY, IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, G.C. SHALL CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH LUXOTTICA.

I. EMERGENCY AND EXIT LUMINAIRES SHALL BE INSTALLED AND CIRCUITED PER LOCAL AND LATEST NATIONAL ELECTRICAL CODES. ALL EMERGENCY AND EXIT FIXTURES SHALL BE DUAL-VOLTAGE WITH BATTERY BACKUP (120/277 VOLT INPUT). INSTALL A CENTRAL BATTERY SYSTEM WHERE THE USE OF INDIVIDUAL BATTERY UNITS ARE PROHIBITED BY LOCAL CODES. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT LUXOTTICA PROJECT MANAGER FOR DIRECTION.

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

K. G.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

L. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED.

M. ~~NOT USED~~

N. INSTALL ALL NEW LIGHTS AND TRACK AS INDICATED. DOWNLIGHTS TO BE CENTERED IN CEILING TILE, UNLESS NOTED OTHERWISE.

O. 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. (TYP. IN GYP. CEILING)

P. INSTALL NEW SPRINKLER HEADS THROUGHOUT THE SPACE. COORDINATE WITH FIRE PROTECTION PLAN. G.C. TO ORDER FIRE SPRINKLER CAPS WITH CUSTOM COLOR TO MATCH CEILING COLORS. CODE REQUIRES ORDERING, NOT SELF PAINTING (TYP.)

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

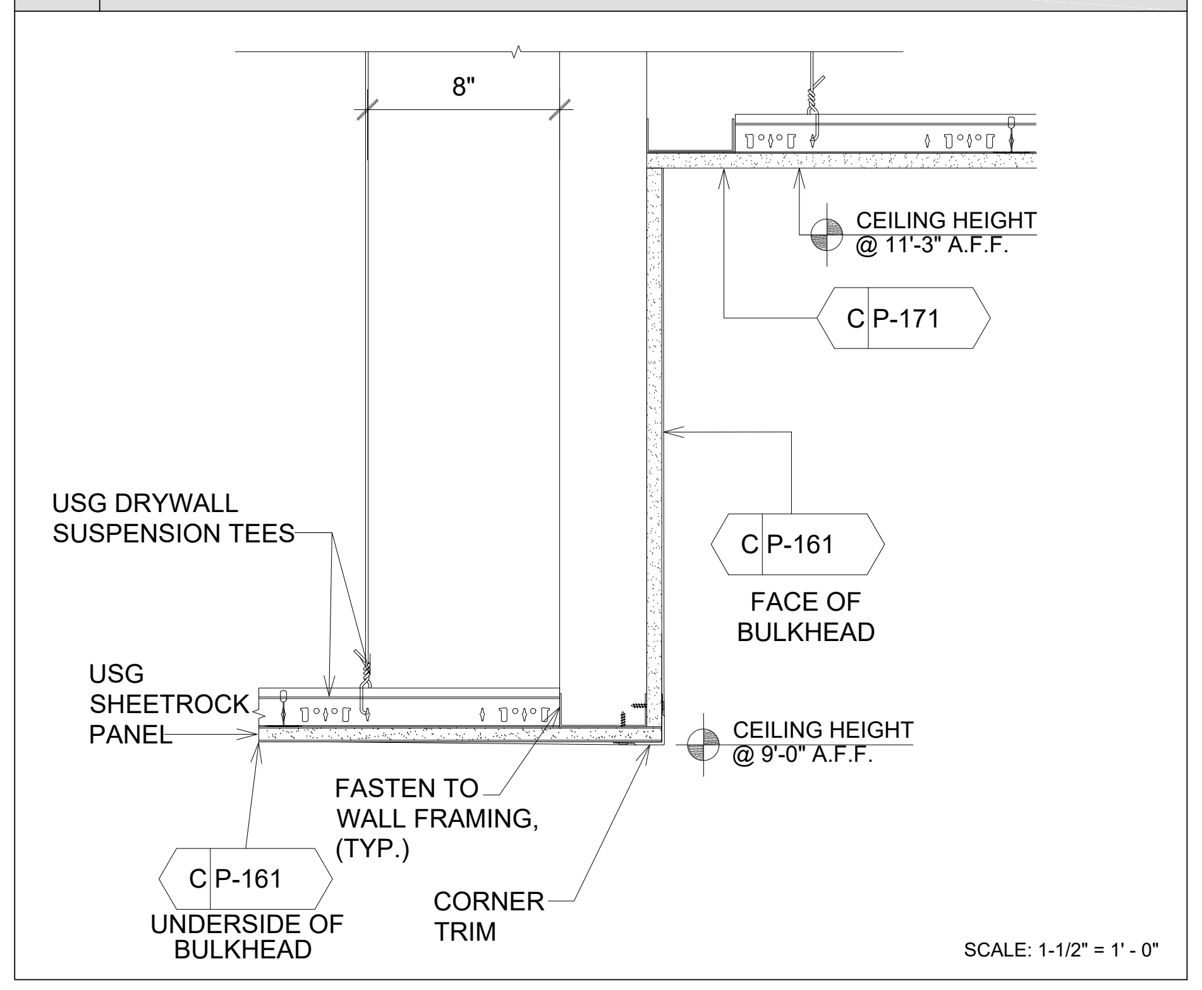
2 KEY NOTES

1. NEW STOREFRONT SIGN BY SIGN CONTRACTOR.
2. INSTALL GYP. BD. CEILING (GYP-7) AS INDICATED. SEE SHEET A403 FOR CEILING DETAILS.
3. 4" GYP. BD CEILING COVE (TYP.) WITH LED LIGHT. SEE DETAIL 'C' ON THIS SHEET.
4. PROVIDE AND INSTALL 18"X18" ACCESS PANEL "STEALTH" NO EXPOSED FLANGE TYPE. PAINT TO MATCH ADJACENT CEILING AREA.
5. LINE OF GYP. BD. BULKHEAD @ 7'-4 3/4". SEE DETAIL 'B' ON THIS SHEET.
6. INSTALL LC1 LIGHT FIXTURE, CENTERED AT 5'-1". REFER TO INTERIOR ELEVATIONS FOR WALL PLACEMENT.
7. SECURITY CAMERA SYSTEM INSTALLED BY TENANT VENDOR. SUGGESTED 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.
8. AUDIO SPEAKER SYSTEM INSTALLED BY TENANT VENDOR. CEILING FRAMING & FINISHING FOR SPEAKERS BY G.C., G.C. TO COORDINATE WITH VENDOR.
9. INSTALL TRAFFIC COUNTER (SHOPPER TRAK). REFER TO E100. PAINT TO MATCH SURROUNDING CEILING AREA.
10. INSTALL NEW EXHAUST FAN IN THE TOILET ROOM AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR DETAILS.
11. INSTALL WIRELESS ACCESS POINT, REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION.
12. LINE OF GYP BD. BULKHEAD @ 9'-0". SEE DETAIL 'D' ON THIS SHEET.
13. U.N.O. CENTER SUPPLY/ RETURN DIFFUSER IN EACH DIRECTION WITHIN COVE. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
14. CEILING OUTLETS THAT FALL IN THE STOREFRONT SOFFIT AREA PAINTED P-152 ARE TO BE A BLACK FINISH FOR OUTLET AND COVER PLATE.
15. INSTALL LINEAR SUPPLY AND RETURN AIR REGISTERS AS INDICATED. COORDINATE WITH MECHANICAL DRAWINGS FOR SPECIFIC TYPES AND INSTALLATION DETAILS. DIFFUSERS TO BE PAINTED TO MATCH SURROUNDING CEILING AREA.
16. INSTALL RECESSED LIGHT FIXTURES (M1, M2, OR M3) IN ROOMS AS INDICATED.
17. INSTALL GYP. BD. CEILINGS (GYP-7)(P-171) IN PRE-TEST ROOMS, ALCOVE, EXAM ROOMS, SEE SHEET A/403 FOR CEILING DETAILS.
18. INSTALL RECESSED DOWN LIGHT FIXTURES "DBW" IN ROOMS AS INDICATED.
19. INSTALL 2 x 2 ACOUSTICAL CEILINGS (AC-2) IN THE EMPLOYEE / BACK OF HOUSE AREA. SEE SHEET A/403 FOR CEILING DETAILS.
20. INSTALL 2 x 2 LIGHT FIXTURES "A2L" AND "A2LE" IN THE EMPLOYEE / BACK OF HOUSE AREA, AS INDICATED.
21. INSTALL EXIT LIGHT FIXTURES "X2" IN THE BACK OF HOUSE AREA AS INDICATED.
22. INSTALL DROP IN SUPPLY AND RETURN AIR DIFFUSERS IN ROOMS AS SHOWN. COORDINATE WITH MECHANICAL DRAWINGS FOR SPECIFIC TYPES AND INSTALLATION DETAILS.
23. BOX BEAM - REFER TO 3 / A403
24. ~~NOT USED~~
25. ~~NOT USED~~
26. ~~INSTALL RECESSED DOWN LIGHT FIXTURE "DBW" IN THE TOILET ROOMS AS INDICATED.~~
27. NEW TOILET ROOM GYP. BD. CEILING FINISHED (GYP-8) (P-172).
28. BOTTOM OF PENDANT LIGHT FIXTURE TO BE MOUNTED @ 8' - 6" A.F.F.
29. NEW SPRINKLER HEAD
30. INSTALL UNDER COUNTER LIGHT FIXTURE. REFER TO ELECTRICAL DRAWINGS. (PART OF MILLWORK PACKAGE)

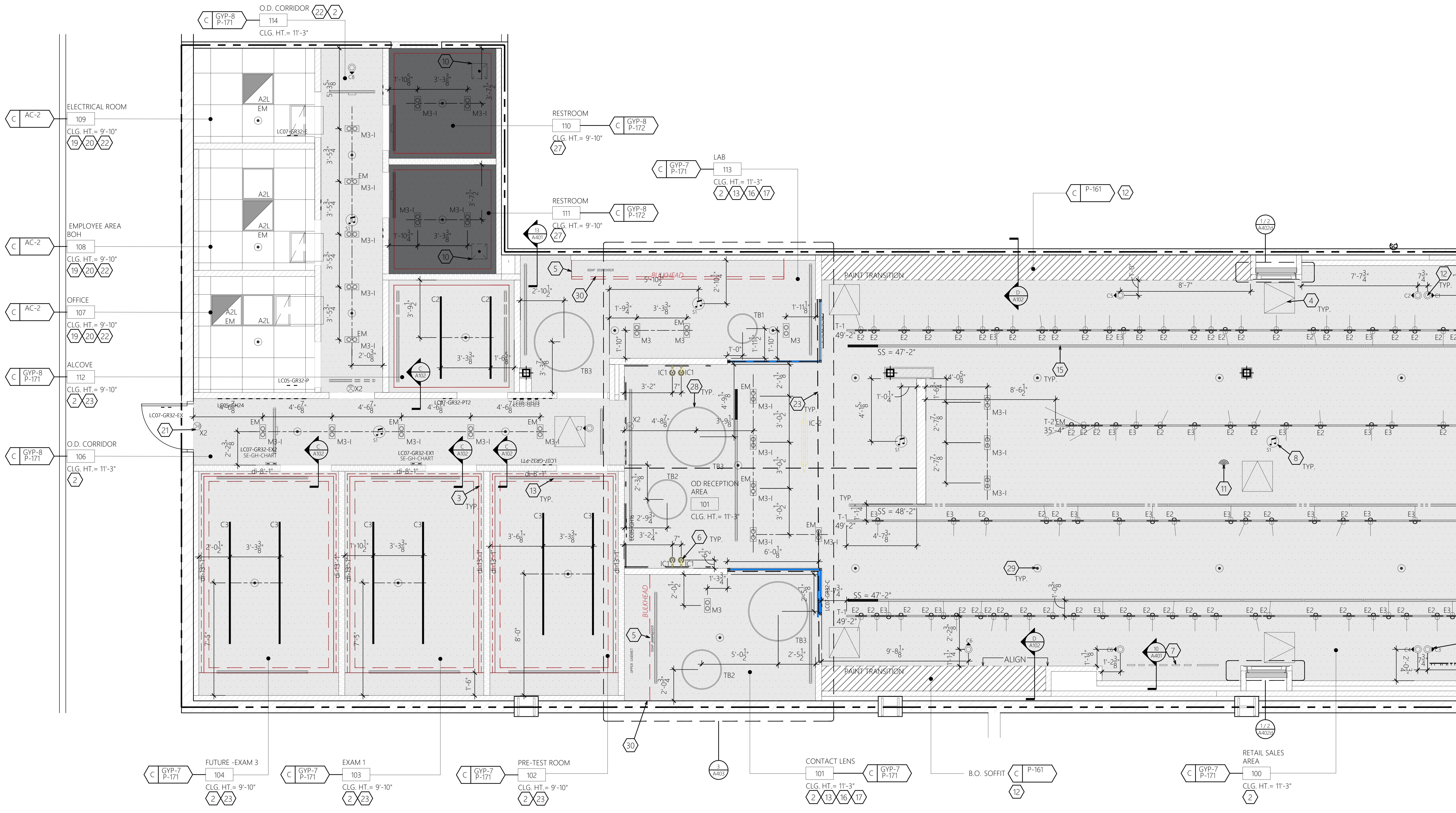
1 CEILING LEGEND

SYMBOL	TYPE	DESCRIPTION
A2L	A2L A2LE	2X2 LAY-IN WITH 3" DEEP WHITE 9-CELL PARABOLIC LOUVER LE= EMERGENCY BALLAST AND 90 MINUTE BATTERY BACK UP
○○ M1, M2, M3	M1, M2, M3	M3- RECESSED ADJUSTABLE DOWN LIGHT, WITH BLACK TRIM AND INTERIOR 31 DEGREE OPTICS
	E1 E2 E3	E1 BLACK TRACK HEAD 15 DEGREE OPTICS E1 BLACK TRACK HEAD 24 DEGREE OPTICS E1 BLACK TRACK HEAD 31 DEGREE OPTICS
	T-X'	LIGHTING TRACK BLACK FINISH, FIELD CUT TO MATCH SIZE ON PLACE, PROVIDE ENFEEDS AND CONNECTORS AS REQUIRED.
⊗ X2	X2	WHITE,THERMOPLASTIC EXIT SIGN, RED LETTERS, UNIVERSAL MOUNTING
♫ S1		AUDIO SPEAKER
◎▶C#		SECURITY CAMERA
TR-AC018		18" x 18" CEILING ACCESS PANEL. FINISH TO MATCH CEILING FINISH
⊠	2' x 2' SUPPLY DIFFUSER	22"x10" RETURN
SS=X'	SLOT SUPPLY DIFFUSER LENGTHS INDICATED	SR=X' SLOT RETURN DIFFUSER LENGTHS INDICATED
- - - - - -	di# (LENGTH)	COVE LIGHT (LENGTH = LENGTH OF LED LIGHT) mw1 - UNDERCOUNTER LIGHT (INC. IN MILLWORK PACKAGE)
○	tb2 tb3	SUSPENDED DECORATIVE PENDANT
- - - - - -	di# (LENGTH)	COVE LIGHT (LENGTH = LENGTH OF LED LIGHT) mw1 - UNDERCOUNTER LIGHT (INC. IN MILLWORK PACKAGE)
⊙		CUSTOMER FACING SPRINKLER HEAD; CONCEALED HEAD, CUSTOM COLOR CAP TO MATCH CEILING
FSP		NON-CUSTOMER FACING SPRINKLER HEAD; SEMI-RECESSED
	lc1	CUSTOM VERTICAL WALL SCONCE
	lc2	PENDANT LIGHT (BOTTOM OF LIGHT MOUNTED AT 8'-6" AFF)

D SOFFIT DETAIL


8"
CEILING HEIGHT @ 11'-3" A.F.F.
C P-171
USG DRYWALL SUSPENSION TEES
C P-161
FACE OF BULKHEAD
USG SHEETROCK PANEL
CEILING HEIGHT @ 9'-0" A.F.F.
FASTEN TO WALL FRAMING, (TYP.)
C P-161
UNDERSIDE OF BULKHEAD
CORNER TRIM

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


O.D. CORRIDOR
114
CLG. HT.= 11'-3"
GYP-8 P-171
ELECTRICAL ROOM
109
CLG. HT.= 9'-10"
AC-2
RESTROOM
110
CLG. HT.= 9'-10"
GYP-8 P-172
LAB
113
CLG. HT.= 11'-3"
GYP-7 P-171
RESTROOM
111
CLG. HT.= 9'-10"
GYP-8 P-172
EMPLOYEE AREA BOH
108
CLG. HT.= 9'-10"
OFFICE
107
CLG. HT.= 9'-10"
ALCOVE
112
CLG. HT.= 9'-10"
GYP-8 P-171
O.D. CORRIDOR
106
CLG. HT.= 11'-3"
A2L
EM
M3-I
C2
C3
BULKHEAD
PAINT TRANSITION
SS = 47'-2"
SS = 48'-2"
SS = 47'-2"
T-1 49'-2"
T-2 35'-4"
E1
E2
E3
TB1
TB2
TB3
OD RECEPTION AREA
101
CLG. HT.= 11'-3"
P-161
EXISTING STOREFRONT SOFFIT
100
CLG. HT.= 12'-0"
EX/GYP-2 P-152
ALIGN
TYP.
FUTURE -EXAM 3
104
CLG. HT.= 9'-10"
GYP-7 P-171
EXAM 1
103
CLG. HT.= 9'-10"
PRE-TEST ROOM
102
CLG. HT.= 9'-10"
CONTACT LENS
101
CLG. HT.= 11'-3"
B.O. SOFFIT
RETAIL SALES AREA
100
CLG. HT.= 11'-3"

1 REFLECTED CEILING PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

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Architect of Record

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51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
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Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
REFLECTED CEILING PLAN

Date 10/01/21
Drawn By STAFF
Checked By JHM

Sheet A102

4 INTERIOR MATERIALS 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
F.R.P.	150	245
VINYL BASE	0.45	450 OR LESS

FLOOR WATERPROOFING

WATER PROOFING:

THE G.C. SHALL INSTALL A WATER PROOF MEMBRANE IN ALL WET AREAS, TOILET ROOMS, MOP SINK AND DRINKING FOUNTAIN AND ALL OD SINK AREAS. THE SLAB SHALL BE WATER PROOFED USING A 30 MIL POLYETHYLENE CLEAVAGE MEMBRANE EQUAL TO "NOBLESEAL TS" INSTALLED PER MANUFACTURES RECOMMENDATIONS AND ANSI-A108 MEMBRANE SHALL EXTEND AROUND PERIMETER OF THE ROOM A MINIMUM OF (4") FOUR INCHES IN HEIGHT OR EQUAL TO THE HEIGHT OF THE BASE. SLEEVES AND FIXTURES MUST BE FLASHED INTO THE MEMBRANE. ALL PENETRATIONS MUST BE SEALED IN ACCORDANCE WITH THE MFG'S RECOMMENDATIONS. BEFORE INSTALLATION OF THE FINISHED FLOOR. THE FLOORING CONTRACTOR MUST DEMONSTRATE WATERTIGHT INTEGRITY OF THE MEMBRANE TO THE LANDLORDS FIELD REPRESENTATIVE.

2 GENERAL NOTES

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

B. G.C. IS RESPONSIBLE FOR INSTALLING ALL FINISH FLOORING. G.C. IS ALSO RESPONSIBLE FOR ALL FINISH MATERIALS BEHIND AND UNDER ALL MILLWORK.

C. REFER TO SPECIFICATIONS SCHEDULE ON SHEET G003 & G004

D. REFER TO GENERAL NOTES ON SHEET G001.

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

F. CAULK AROUND FRP TO THE WALLS WITH WHITE SILICONE CAULKING.

G. REFER TO DOOR SCHEDULE FOR DOOR FINISHES. GO TO PREP EXISTING DOORS PRIOR TO RE-FINISHING.

H. PRIOR TO INSTALLATION OF NEW FLOOR, 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 LUXOTTICA PROJECT MANAGER PRIOR TO INSTALLATION.

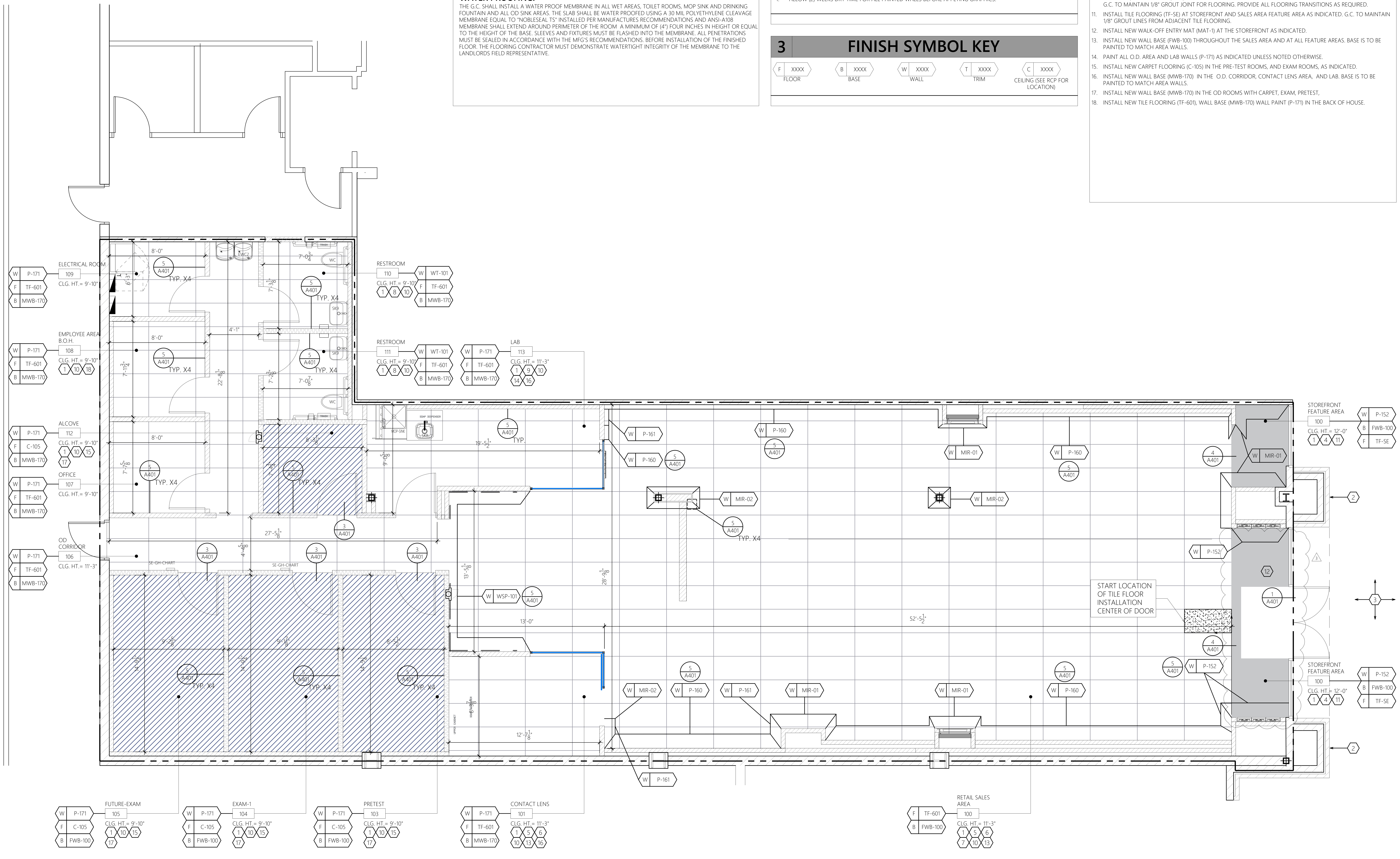
I. ALLOW (2) WEEKS DRY TIME FOR ALL PAINTED WALLS BEFORE APPLYING GRAPHICS.

3 FINISH SYMBOL KEY

F XXXX	B XXXX	W XXXX	T XXXX	C XXXX
FLOOR	BASE	WALL	TRIM	CEILING (SEE RCP FOR LOCATION)

1 KEY NOTES

1. G.C. TO PREP CONCRETE FLOOR FOR NEW FLOORING INSTALLATION, CLEAN, SCRAPE, GRIND, PATCH AND REPAIR CONCRETE AS REQUIRED PER LUXOTTICA PROJECT MANAGER'S APPROVAL.
2. EXISTING SHELL BUILDING STOREFRONT FINISHES TO REMAIN. SEE STOREFRONT SHEET A300 FOR ADDITIONAL INFORMATION.
3. EXISTING EXTERIOR CONCRETE SIDEWALK TO REMAIN.
4. PAINT STOREFRONT AREA PARTITIONS, CEILINGS (GYP-2) AND SOFFITS (P-152) AS INDICATED. SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
5. FINISH SALES AREA WALLS (P-160) UNLESS NOTED OTHERWISE. SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
6. SALES AREA CEILING (GYP.-4) TO BE PAINTED (P-160) THROUGHOUT UNLESS NOTED OTHERWISE.
7. PAINT SALES AREA FEATURE AREA WALLS AND FEATURE AREA CEILING (P-152). SEE SALES AREA ELEVATIONS FOR EXTENTS OF WALL FINISHES.
8. INSTALL NEW TILE FLOORING (TF-601), WALL BASE (MWB-170) WALL TILE (WT-101) IN THE TOILET ROOMS.
9. INSTALL NEW F.R.P. (FRP-2) IN THE LAB AREA AT THE MOP SINK LOCATION. SEE ELEVATIONS FOR EXTENTS OF F.R.P.
10. INSTALL TILE FLOORING (TF-601) IN THE RETAIL SALES AREA, O.D. RECEPTION AREA, O.D. CORRIDOR, AND CONTACT LENS AREA, TOILET ROOMS, LAB, AND BOH AS SHOWN. NOTE INDICATED STARTING LOCATION OF TILE ON PLAN. G.C. TO MAINTAIN 1/8" GROUT JOINT FOR FLOORING. PROVIDE ALL FLOORING TRANSITIONS AS REQUIRED.
11. INSTALL TILE FLOORING (TF-SE) AT STOREFRONT AND SALES AREA FEATURE AREA AS INDICATED. G.C. TO MAINTAIN 1/8" GROUT LINES FROM ADJACENT TILE FLOORING.
12. INSTALL NEW WALK-OFF ENTRY MAT (MAT-1) AT THE STOREFRONT AS INDICATED.
13. INSTALL NEW WALL BASE (FWB-100) THROUGHOUT THE SALES AREA AND AT ALL FEATURE AREAS. BASE IS TO BE PAINTED TO MATCH AREA WALLS.
14. PAINT ALL O.D. AREA AND LAB WALLS (P-171) AS INDICATED UNLESS NOTED OTHERWISE.
15. INSTALL NEW CARPET FLOORING (C-105) IN THE PRE-TEST ROOMS, AND EXAM ROOMS, AS INDICATED.
16. INSTALL NEW WALL BASE (MWB-170) IN THE O.D. CORRIDOR, CONTACT LENS AREA, AND LAB. BASE IS TO BE PAINTED TO MATCH AREA WALLS.
17. INSTALL NEW WALL BASE (MWB-170) IN THE OD ROOMS WITH CARPET, EXAM, PRETEST,
18. INSTALL NEW TILE FLOORING (TF-601), WALL BASE (MWB-170) WALL PAINT (P-171) IN THE BACK OF HOUSE.


ELECTRICAL ROOM
109
CLG. HT.= 9'-10"
W P-171
F TF-601
B MWB-170
EMPLOYEE AREA B.O.H.
108
CLG. HT.= 9'-10"
1 10 18
ALCOVE
112
W P-171
F C-105
B MWB-170
1 10 15 17
OFFICE
107
OD CORRIDOR
106
CLG. HT.= 11'-3"
RESTROOM
110
W WT-101
F TF-601
B MWB-170
1 8 10
RESTROOM
111
LAB
113
CLG. HT.= 11'-3"
1 9 10 14 16
FUTURE-EXAM
105
F C-105
B FWB-100
EXAM-1
104
PRETEST
103
CONTACT LENS
101
1 5 6 10 13 16
RETAIL SALES AREA
100
F TF-601
B FWB-100
1 5 6 7 10 13
STOREFRONT FEATURE AREA
100
CLG. HT.= 12'-0"
W P-152
B FWB-100
F TF-SE
1 4 11
W P-160
W P-161
W MIR-01
W MIR-02
W P-152
W WSP-101
5 A401
3 A401
4 A401
1 A401
TYP. X4
TYP.
12
START LOCATION OF TILE FLOOR INSTALLATION CENTER OF DOOR
8'-0"
4'-1"
7'-0 3/4"
7'-0 7/8"
22'-8 1/8"
27'-5 1/8"
19'-5 1/2"
52'-5 1/2"
28'-9 1/8"
13'-0"
12'-7 1/8"
9'-2 5/8"
9'-1 7/8"
8'-5 1/2"
SE-GH-CHART
WC
SK9
SK8
MOP-SINK
SOAP DISPENSER
EWC2
TRASH
2
3

1 FINISH PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
3 REV 09

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
FINISH
PLAN

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A103

1 KEY NOTES ⬡

1. NEW WIRELESS ACCESS POINT TO BE INSTALLED IN NEW GYP. CEILING. REFER TO A102 FOR LOCATION.
2. SAW CUT FOR POWER AND TELE/DATA, COORDINATE WITH ELECTRICAL DRAWINGS FOR TRENCHING LOCATION. E.C. SHALL VERIFY ALL SAW CUTTING REQUIREMENTS WITH THE LANDLORD PRIOR TO START OF WORK. PROVIDE DEVICES AND DEVICE QUANTITIES AS SPECIFIED ON PLANS. E.C. SHALL COORDINATE INSTALLATION AND CONNECTION REQUIREMENTS WITH FURNITURE MANUFACTURER REPRESENTATIVE.
3. PROVIDE POWER AND DATA TO NEW CASHWRAP AND O.D. RECEPTION - REFER TO E201 FOR MORE INFORMATION.
4. G.C. SHALL VERIFY EXISTING DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO TRAFFIC COUNTER (BY OTHERS). REF. SHEET A102 FOR LOCATION.
5. PROVIDE POWER/DATA FOR DIGITAL MONITOR. VERIFY EXACT LOCATION AND REQUIREMENTS WITH MANUFACTURER PRIOR TO INSTALLATION. REFER TO ELECTRICAL DRAWINGS.
6. REFER TO ELECTRICAL DRAWINGS FOR POWER AND DATA REQUIREMENTS.
7. POWER TO BE INSTALLED ABOVE CEILING. REFER TO ELECTRICAL DRAWINGS.

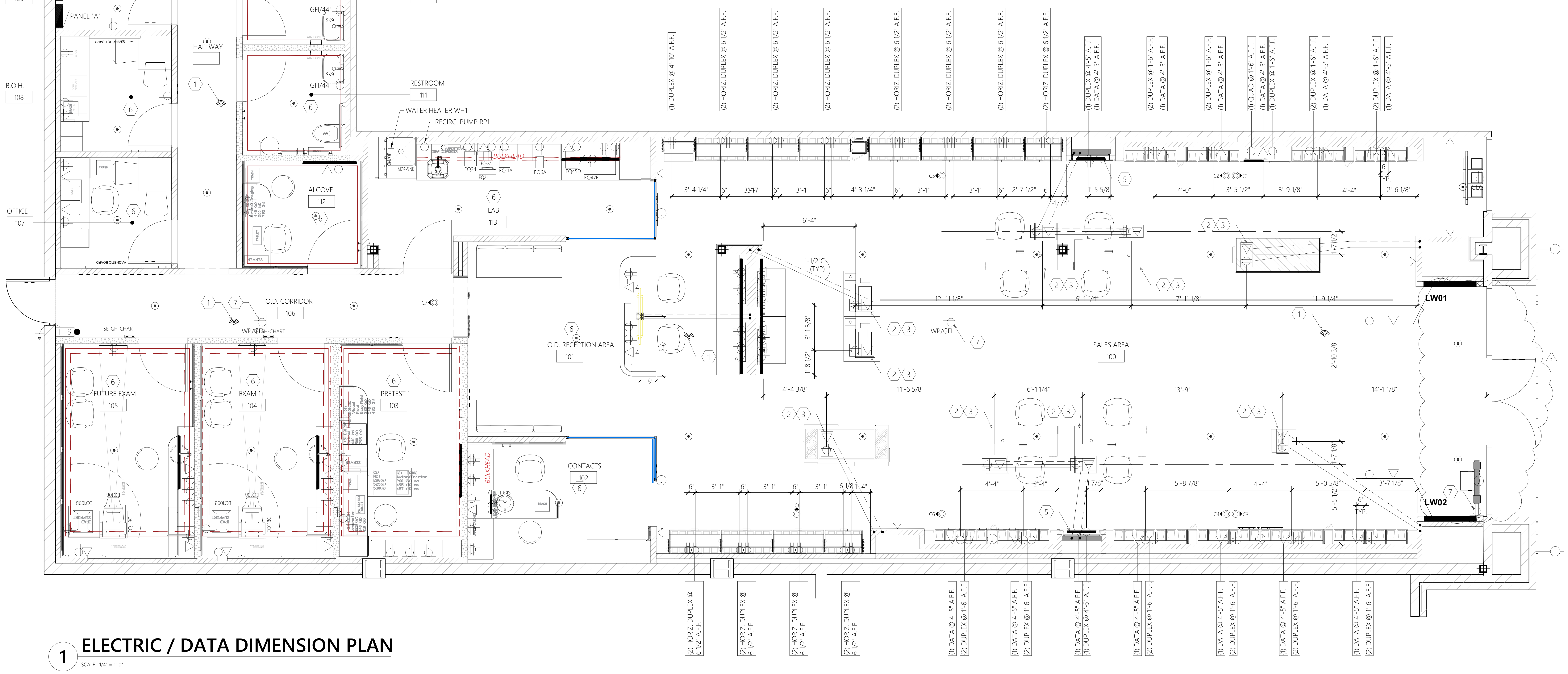
A WALL LEGEND

— — —	CENTER LINE	⌇⌇⌇⌇⌇⌇	NEW WALL W/ SOUND BATTS 1-LC05-A104-REV 00
— · · · —	LEASE LINE	═══	EXISTING WALLS
▨	NEW WALLS	– – – – –	NEW/EXTG. BULKHEAD
	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, HARDWARE, JAMBS, ETC.

A-LC05-A101-REV 00

B ELECTRICAL LEGEND

	SYMBOL	DESCRIPTION
ELECTRICAL	⦶	DUPLEX
	⊕	QUAD
	⊞	FLOOR QUAD
	Ⓙ	J-BOX
DATA	▽	DATA
	(CLG)▽	CEILING DATA
	▽	FLOOR DATA



(1) DUPLEX @ 4'-10" A.F.F.
(2) HORIZ. DUPLEX @ 6 1/2" A.F.F.
(1) DUPLEX @ 4'-5" A.F.F.
(1) DATA @ 4'-5" A.F.F.
(2) DUPLEX @ 1'-6" A.F.F.
(1) QUAD @ 1'-6" A.F.F.
(1) DUPLEX @ 1'-6" A.F.F.
(2) HORIZ. DUPLEX @ 6 1/2" A.F.F.
(1) DATA @ 4'-5" A.F.F.
(2) DUPLEX @ 1'-6" A.F.F.
(1) DUPLEX @ 4'-5" A.F.F.
ELECTRICAL
109
PANEL "B"
PANEL "A"
B.O.H.
108
OFFICE
107
HALLWAY
RESTROOM
110
RESTROOM
111
GFI/44"
WATER HEATER WH1
RECIRC. PUMP RP1
ALCOVE
112
LAB
113
O.D. CORRIDOR
106
O.D. RECEPTION AREA
101
SALES AREA
100
FUTURE EXAM
105
EXAM 1
104
PRETEST 1
103
CONTACTS
102
BULKHEAD
WP/GFI
LW01
LW02
TYP.
C1
C2
C3
C4
C5
C6
1
2
3
4
5
6
7

1 ELECTRIC / DATA DIMENSION PLAN

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

- 4000 Luxottica Place, Mason, OH 45040
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Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

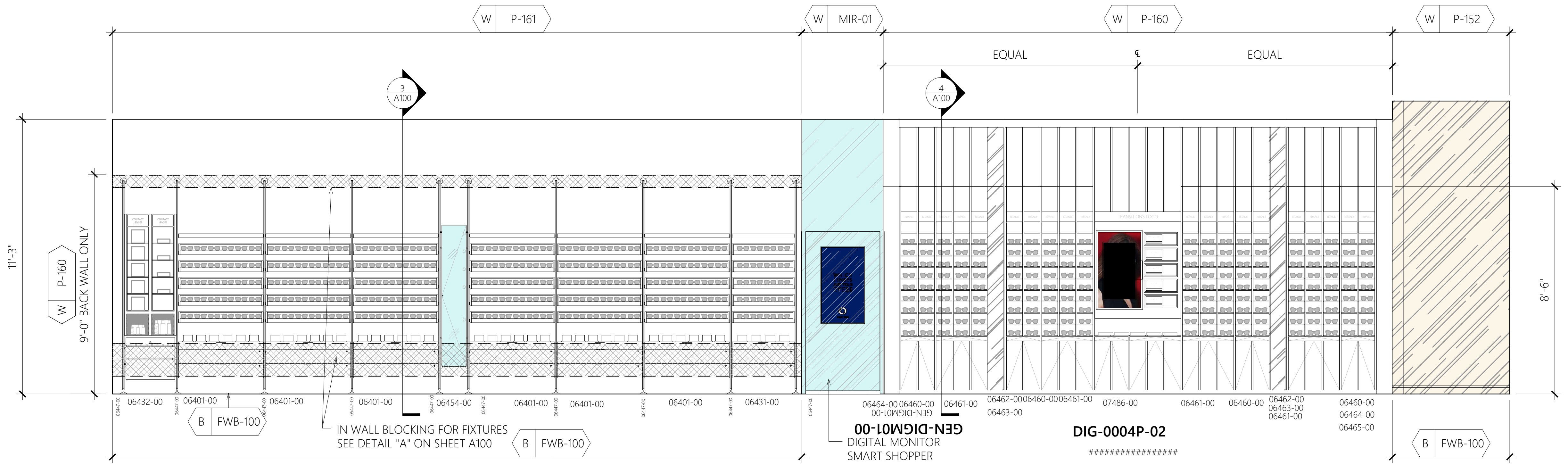
Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

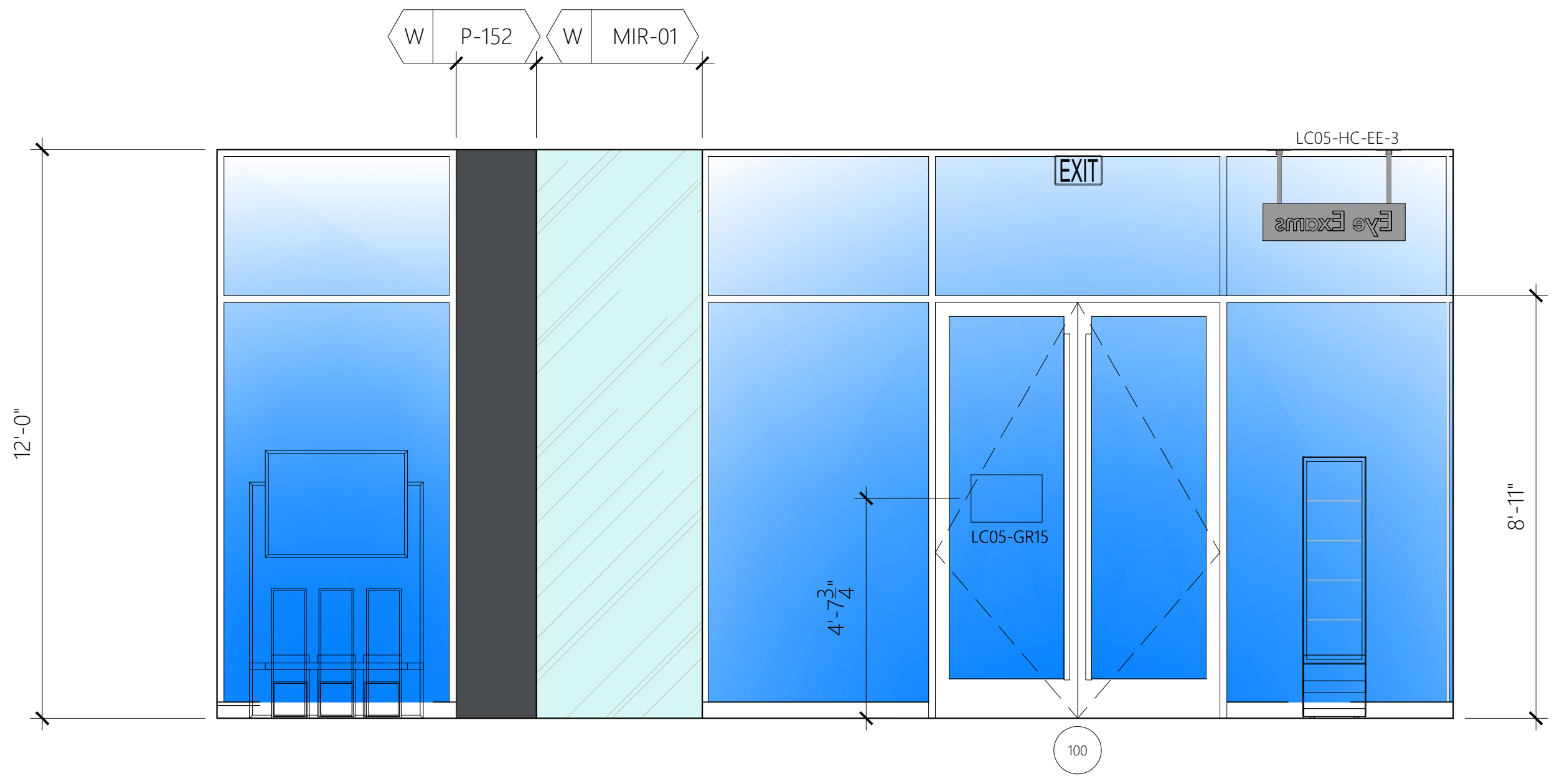
Title
ELECTRIC / DATA DIMENSION PLAN

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A104


W P-161
W MIR-01
W P-160
W P-152
EQUAL
EQUAL
A101
11'-3"
9'-0" BACK WALL ONLY
W P-160
8'-6"
B FWB-100
IN WALL BLOCKING FOR FIXTURES
SEE DETAIL "A" ON SHEET A100
B FWB-100
GEN-DIGIM01-00
DIGITAL MONITOR
SMART SHOPPER
SEE DETAILS ON A402b
DIG-0004P-02
B FWB-100

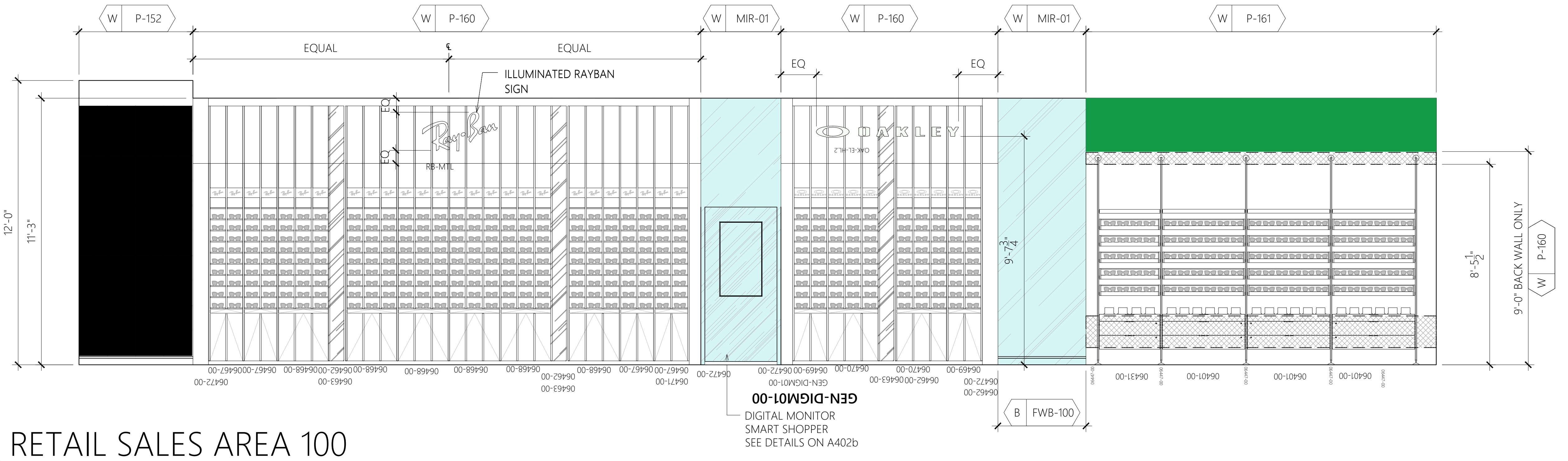
1 RETAIL SALES AREA 100

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


W P-152
W MIR-01
EXIT
12'-0"
4'-2"
LC05-GR15
8'-11"
100

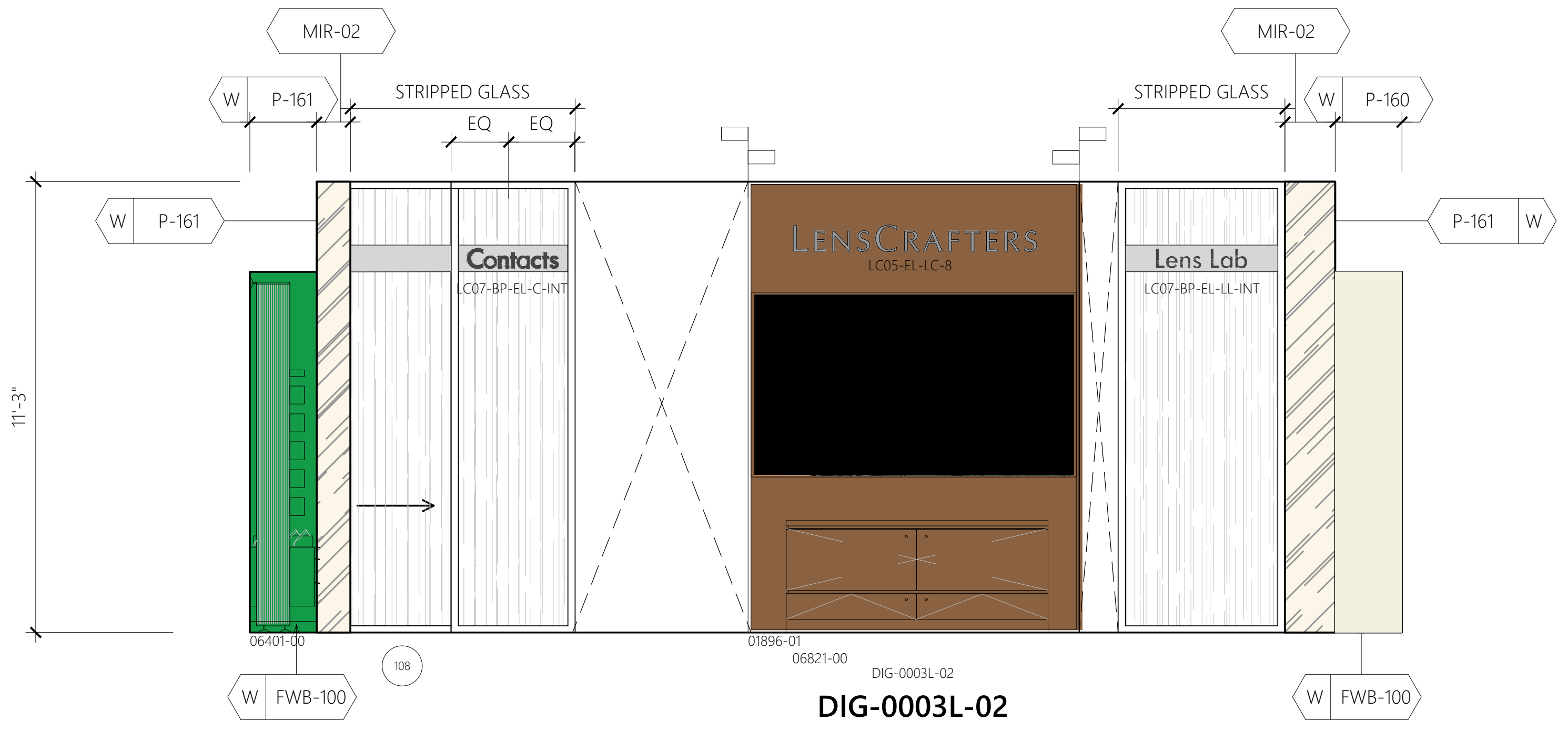
2 RETAIL SALES AREA 100

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


W P-152
W P-160
W MIR-01
W P-160
W MIR-01
W P-161
EQUAL
EQUAL
EQ
EQ
ILLUMINATED RAYBAN SIGN
OAKLEY
12'-0"
11'-3"
9'-7½"
8'-5½"
9'-0" BACK WALL ONLY
W P-160
GEN-DIGIM01-00
DIGITAL MONITOR
SMART SHOPPER
SEE DETAILS ON A402b
B FWB-100

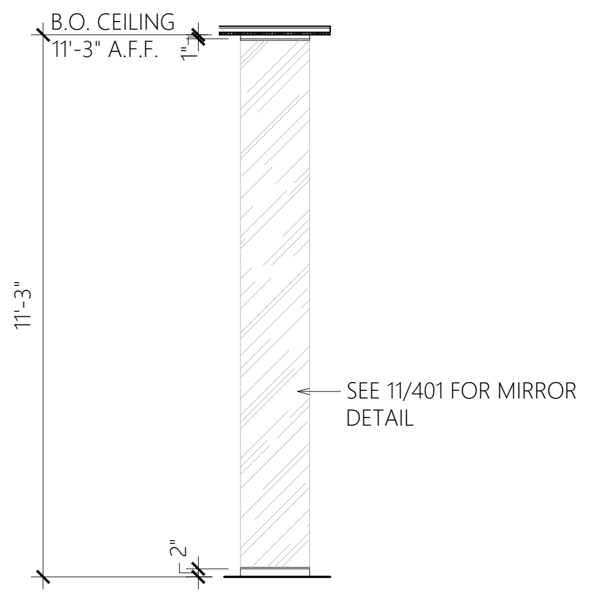
3 RETAIL SALES AREA 100

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


MIR-02
W P-161
STRIPPED GLASS
EQ
EQ
MIR-02
STRIPPED GLASS
W P-160
W P-161
P-161 W
Contacts
LENSCRAFTERS
Lens Lab
11'-3"
W FWB-100
108
DIG-0003L-02
W FWB-100

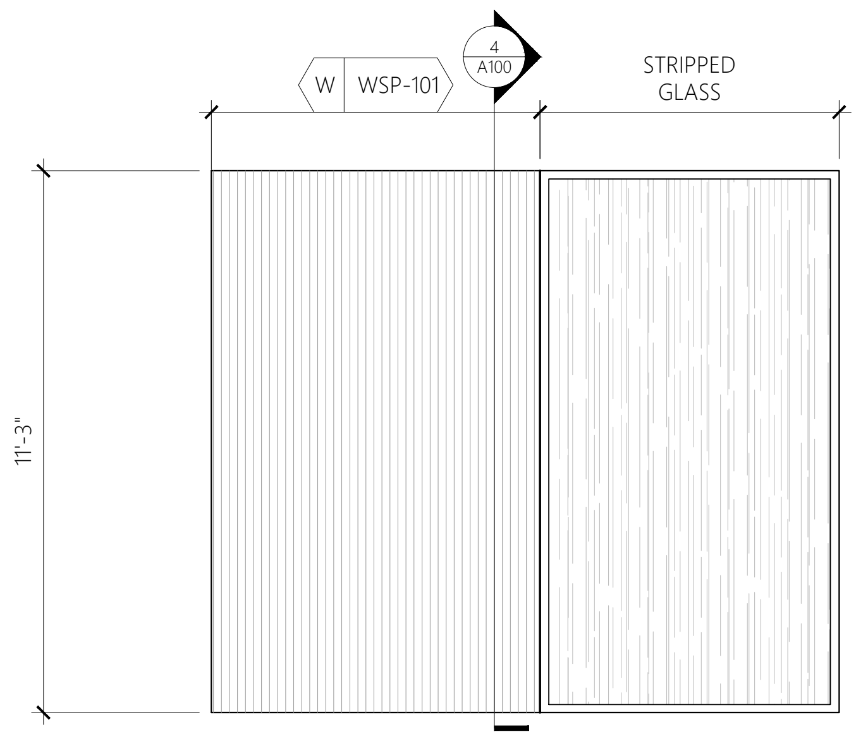
4 OD RECEPTION 101

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


B.O. CEILING
11'-3" A.F.F.
11'-3"
SEE 11/401 FOR MIRROR DETAIL

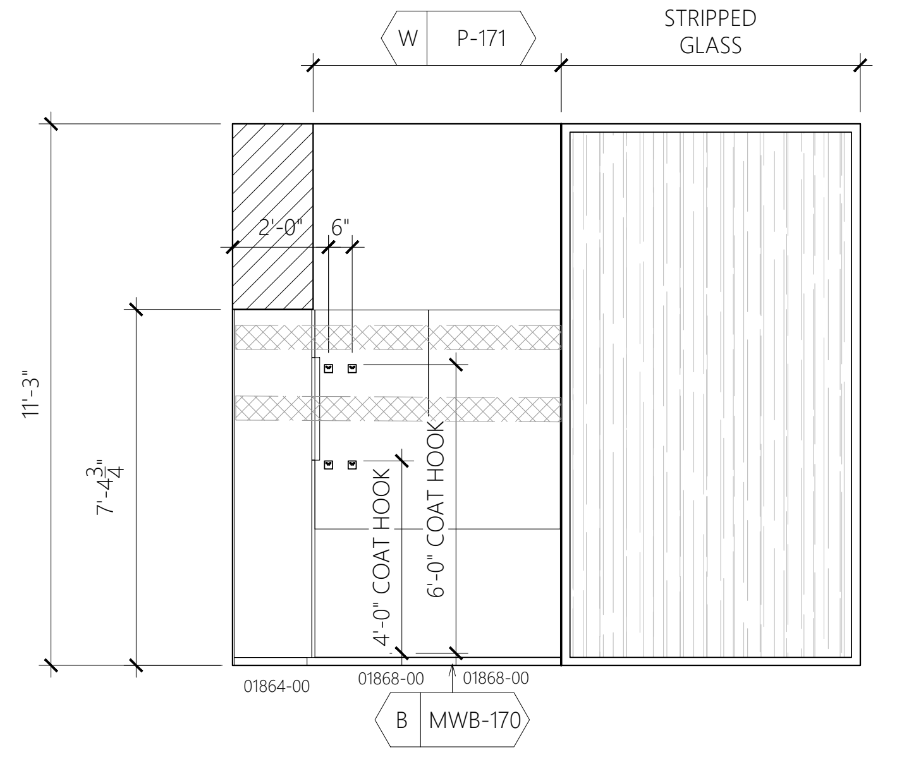
5 RETAIL SALES AREA 100

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


W WSP-101
A101
STRIPPED GLASS
11'-3"

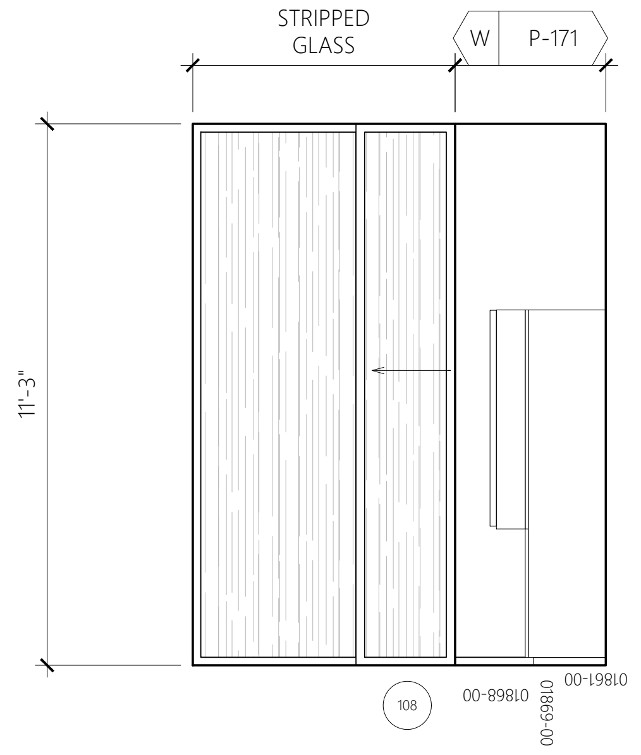
6 OD RECEPTION 101

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


W P-171
STRIPPED GLASS
11'-3"
7'-4¾"
2'-0"
6"
4'-0" COAT HOOK
6'-0" COAT HOOK
B MWB-170

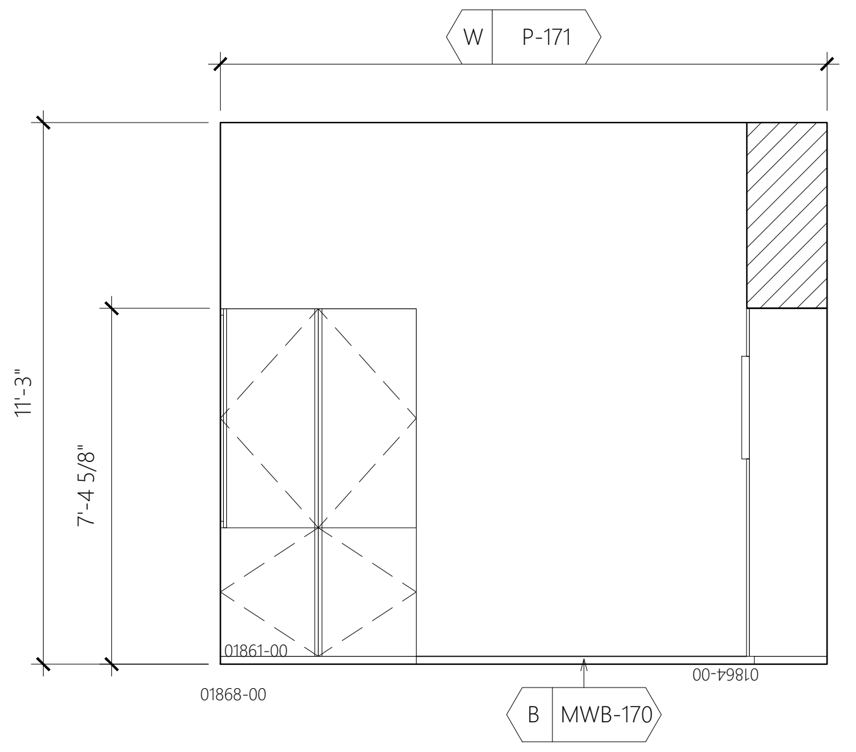
7 CONTACTS 102

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


STRIPPED GLASS
W P-171
11'-3"
108

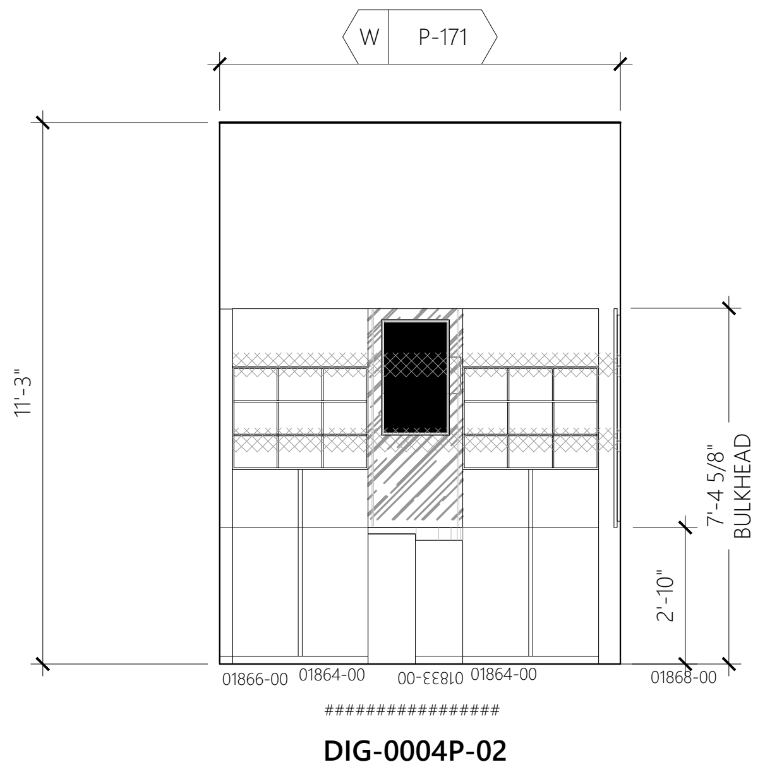
8 CONTACTS 102

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


W P-171
11'-3"
7'-4 5/8"
B MWB-170

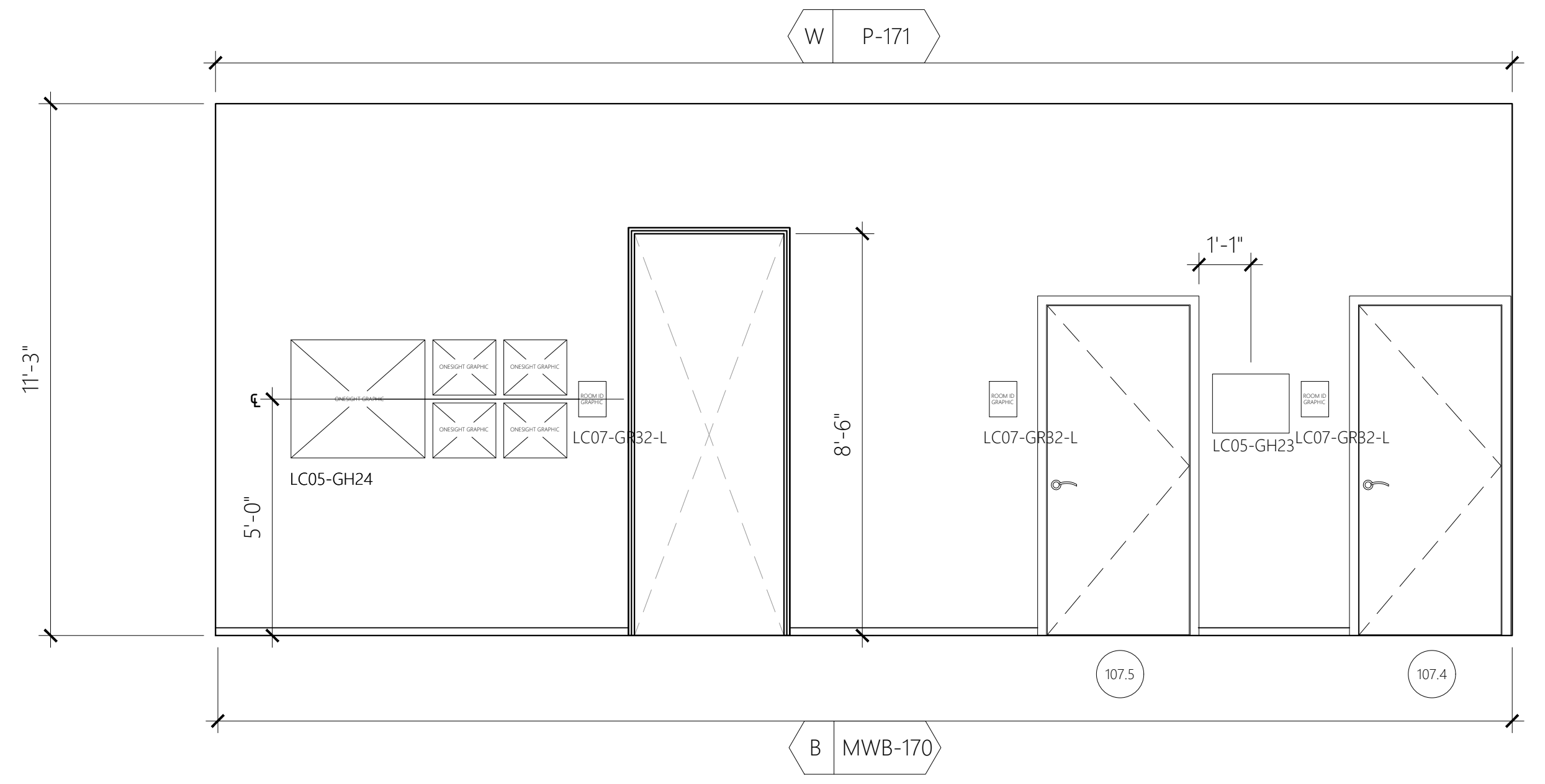
9 CONTACTS 102

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


W P-171
11'-3"
7'-4 5/8" BULKHEAD
2'-10"
DIG-0004P-02

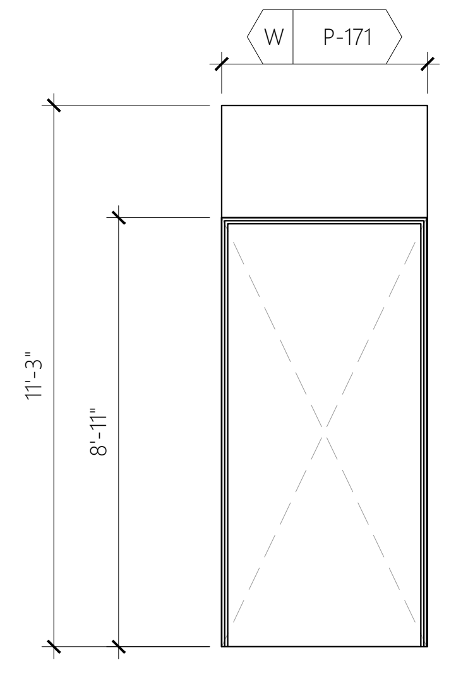
10 CONTACTS 102

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


W P-171
11'-3"
5'-0"
LC05-GH24
LC07-GR32-L
8'-6"
1'-1"
LC05-GR32-L
LC05-GH23
LC07-GR32-L
B MWB-170

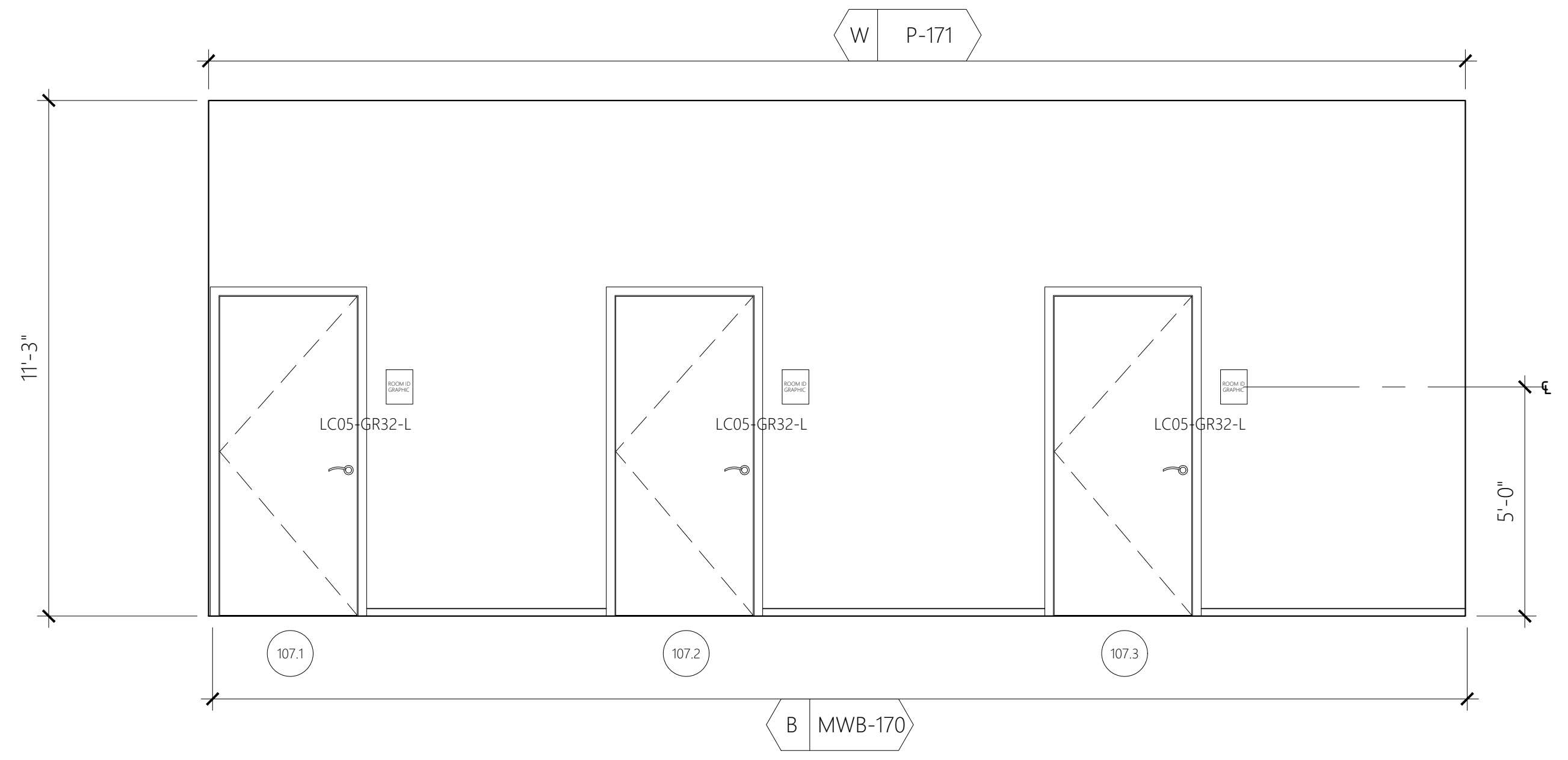
11 OD CORRIDOR 106

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


W P-171
11'-3"
8'-11"

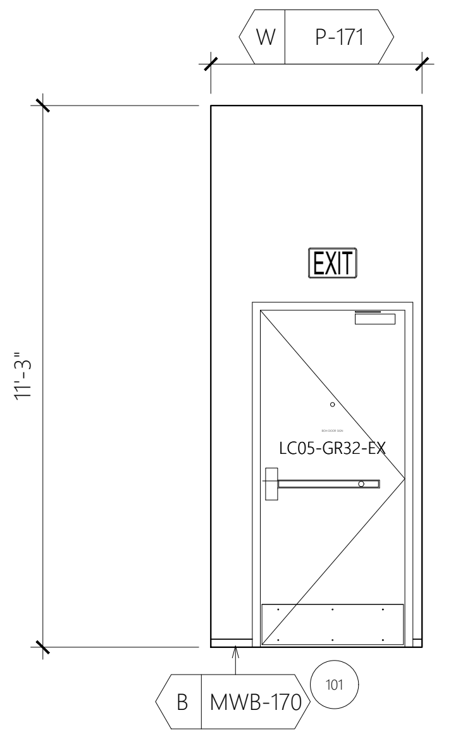
12 OD CORRIDOR 106

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


W P-171
11'-3"
LC05-GR32-L
LC05-GR32-L
LC05-GR32-L
5'-0"
B MWB-170

13 OD CORRIDOR 106

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


W P-171
EXIT
11'-3"
LC05-GR32-EX
B MWB-170
101

14 OD CORRIDOR 106

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
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1		
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Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
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fax +1 480 401 3602

Seal

STATE OF MISSOURI
AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
ARCHITECT
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

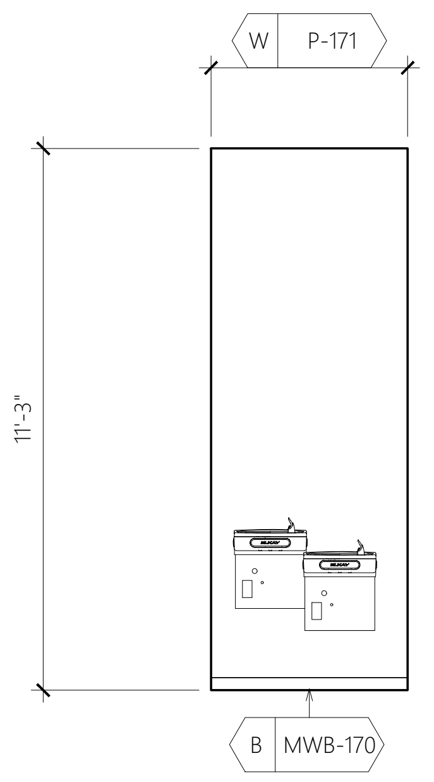
Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

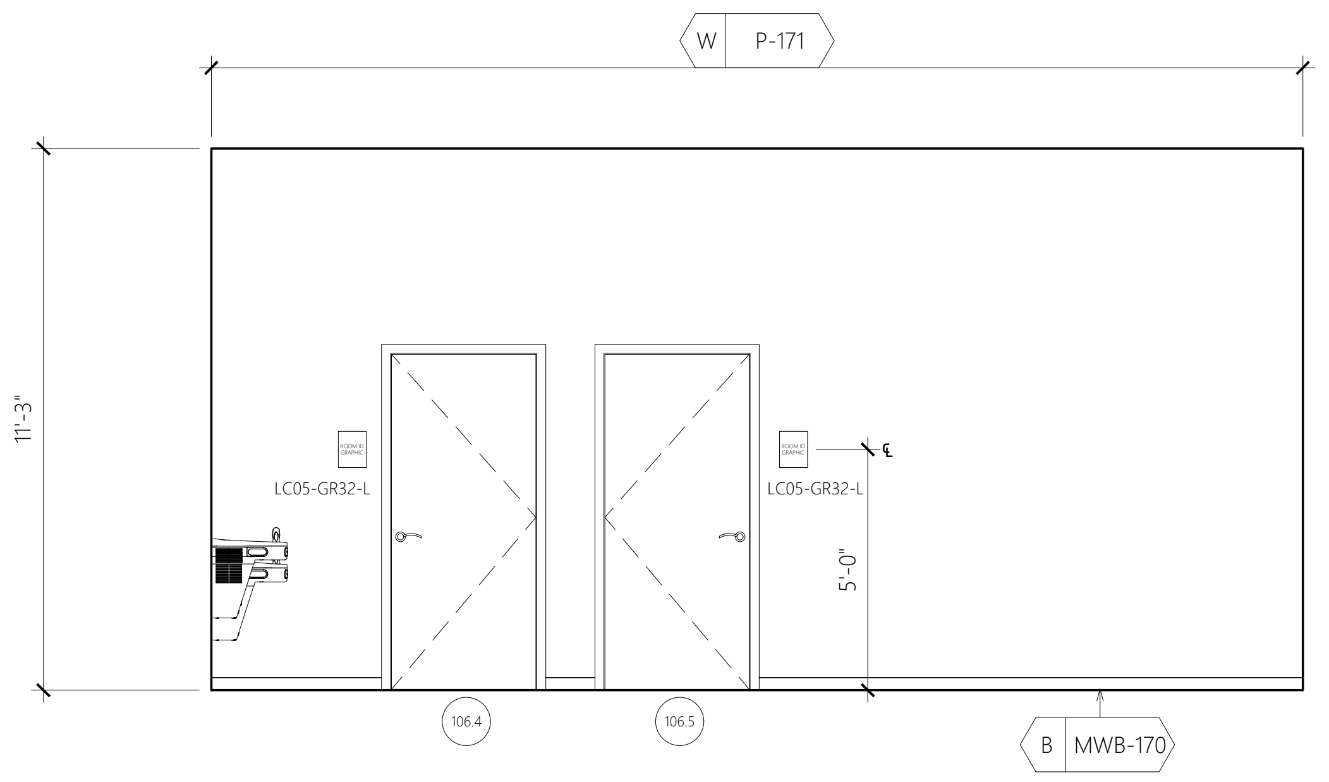
Title
INTERIOR ELEVATIONS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A200


W P-171
11'-3"
B MWB-170

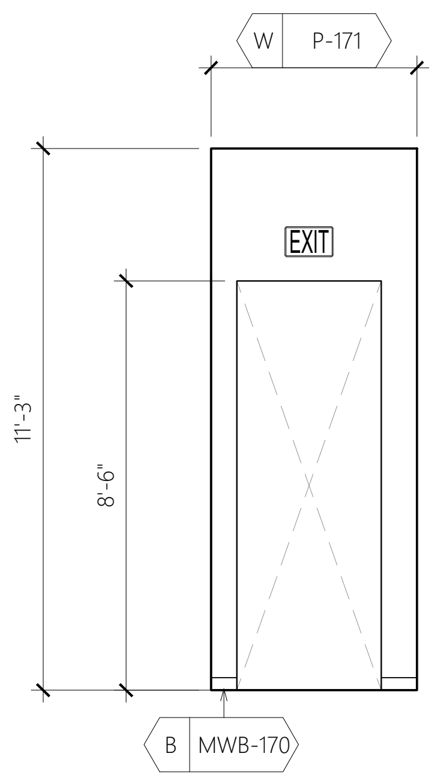
1 HALLWAY

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


W P-171
11'-3"
LC05-GR32-L
LC05-GR32-L
5'-0"
106.4
106.5
B MWB-170

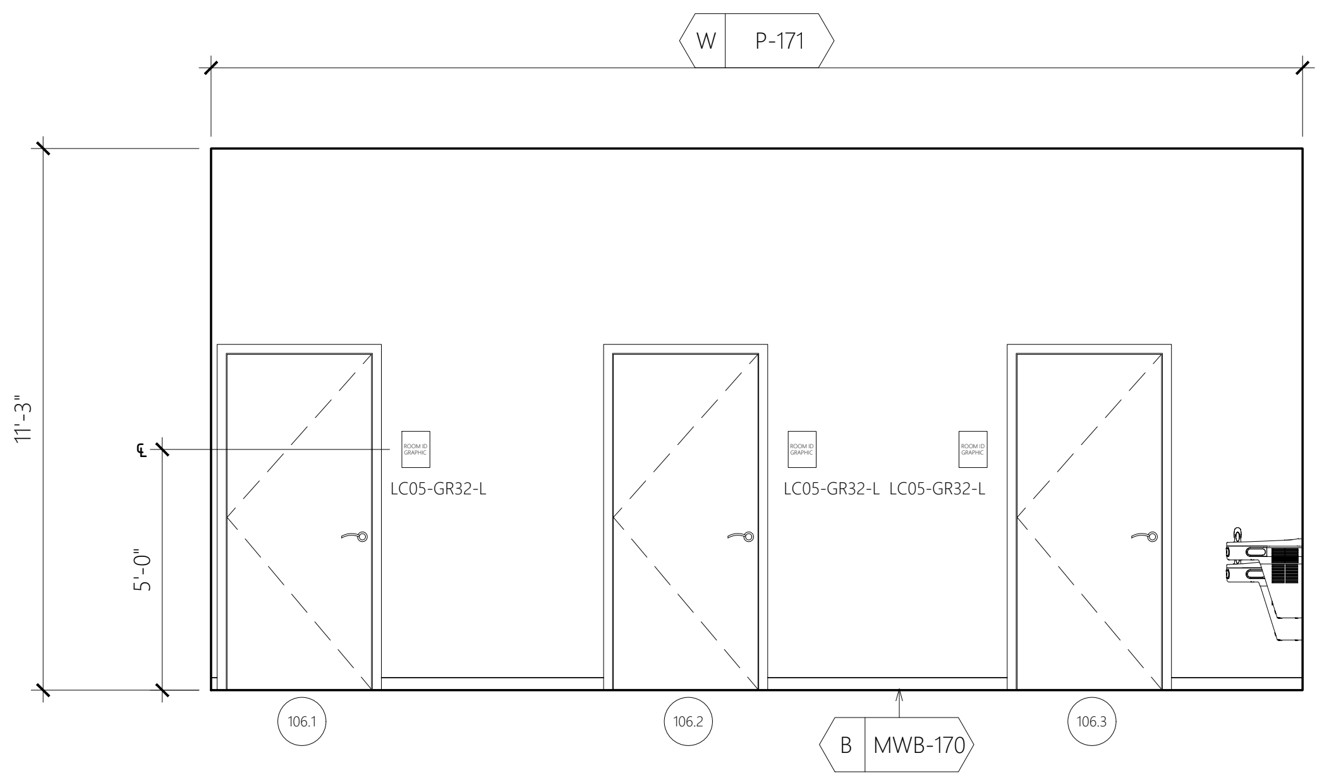
2 HALLWAY

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


W P-171
EXIT
11'-3"
8'-6"
B MWB-170

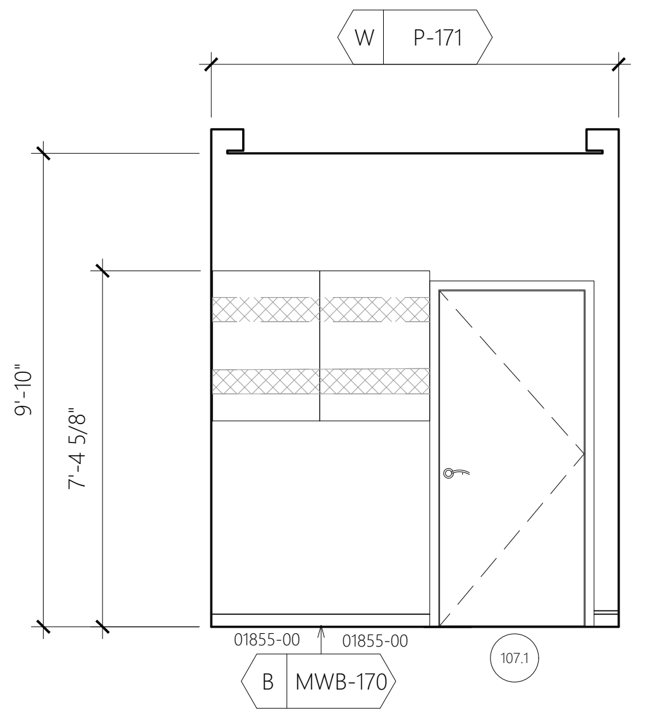
3 HALLWAY

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


W P-171
11'-3"
5'-0"
LC05-GR32-L
LC05-GR32-L LC05-GR32-L
106.1
106.2
106.3
B MWB-170

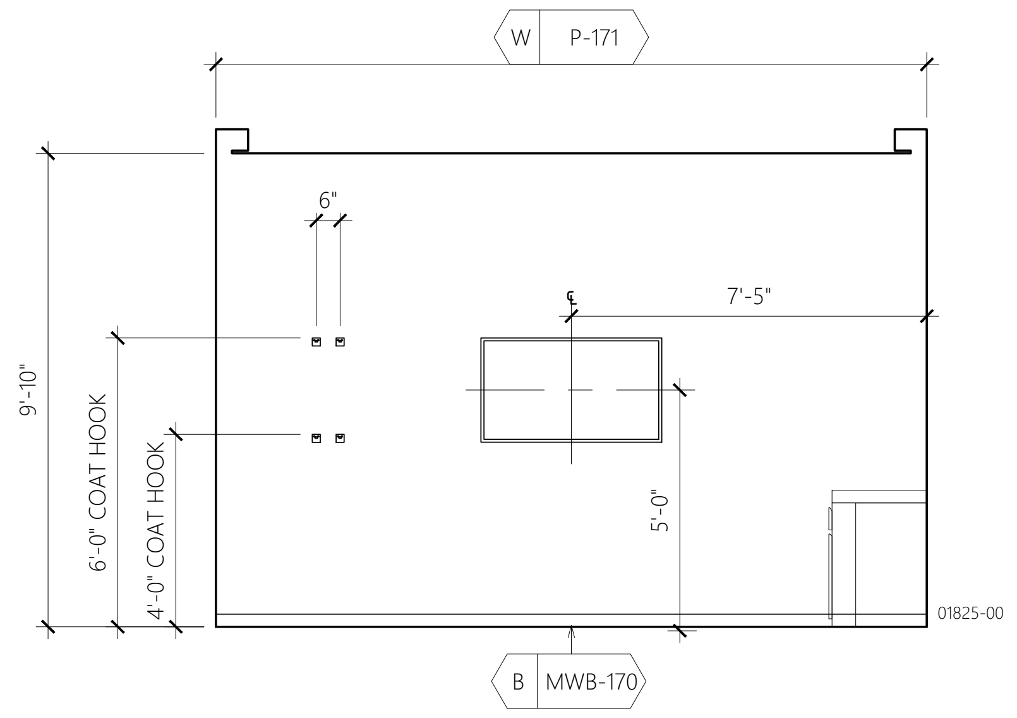
4 HALLWAY

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


W P-171
9'-10"
7'-4 5/8"
01855-00 01855-00
107.1
B MWB-170

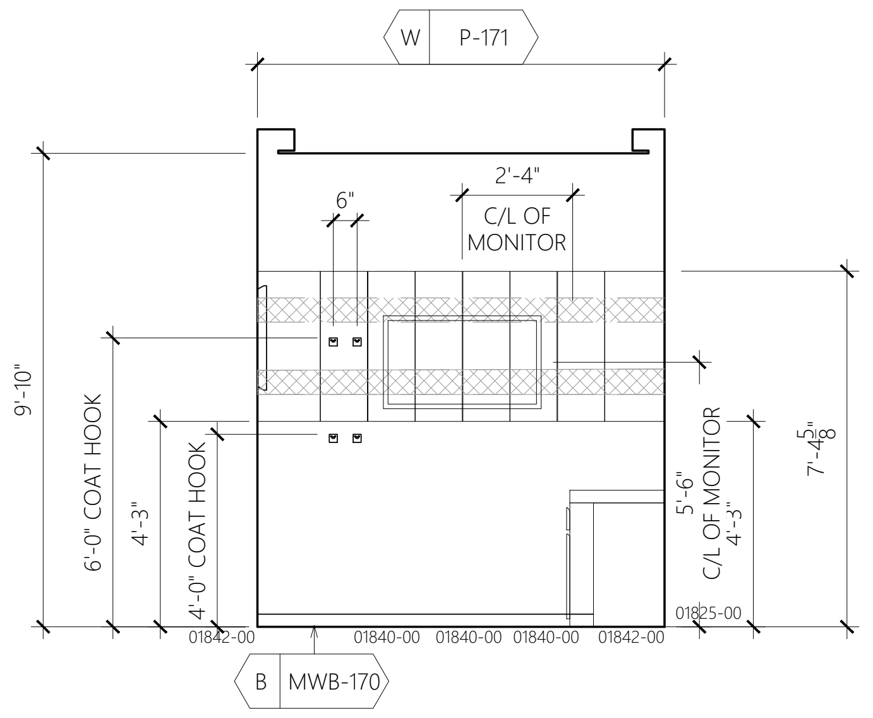
5 PRETEST 103

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


W P-171
6"
7'-5"
9'-10"
6'-0" COAT HOOK
4'-0" COAT HOOK
5'-0"
01825-00
B MWB-170

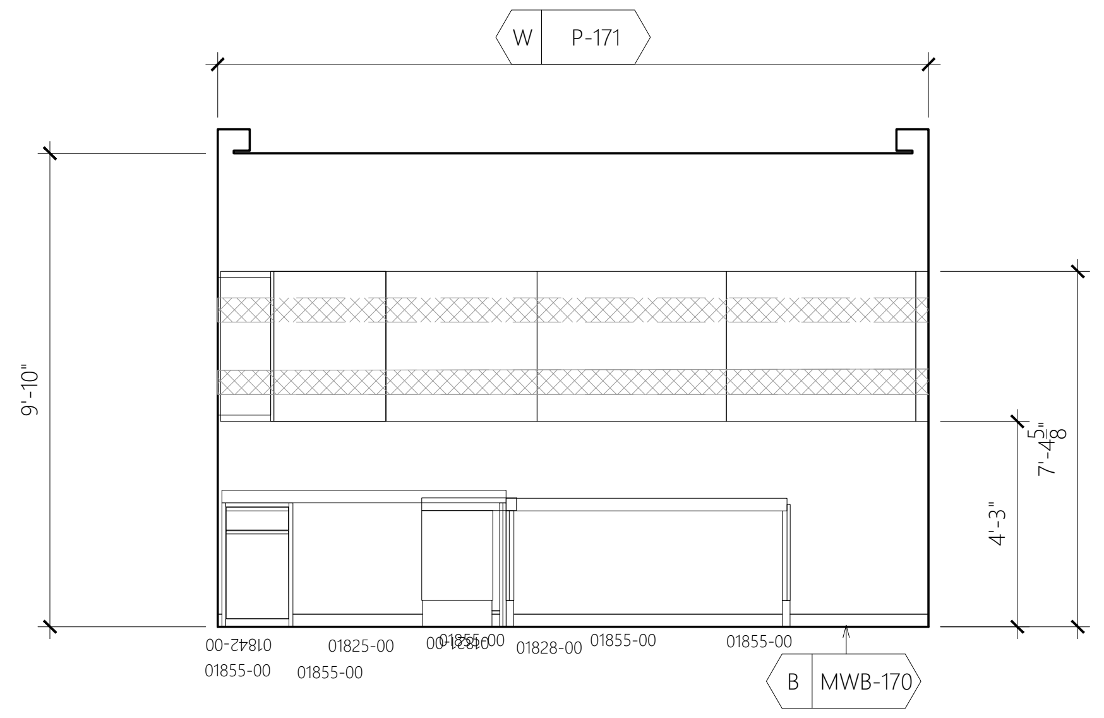
6 PRETEST 103

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


W P-171
6"
2'-4"
C/L OF MONITOR
9'-10"
6'-0" COAT HOOK
4'-0" COAT HOOK
4'-3"
5'-6" C/L OF MONITOR
4'-3"
7'-4 5/8"
01842-00 01840-00 01840-00 01840-00 01842-00
01825-00
B MWB-170

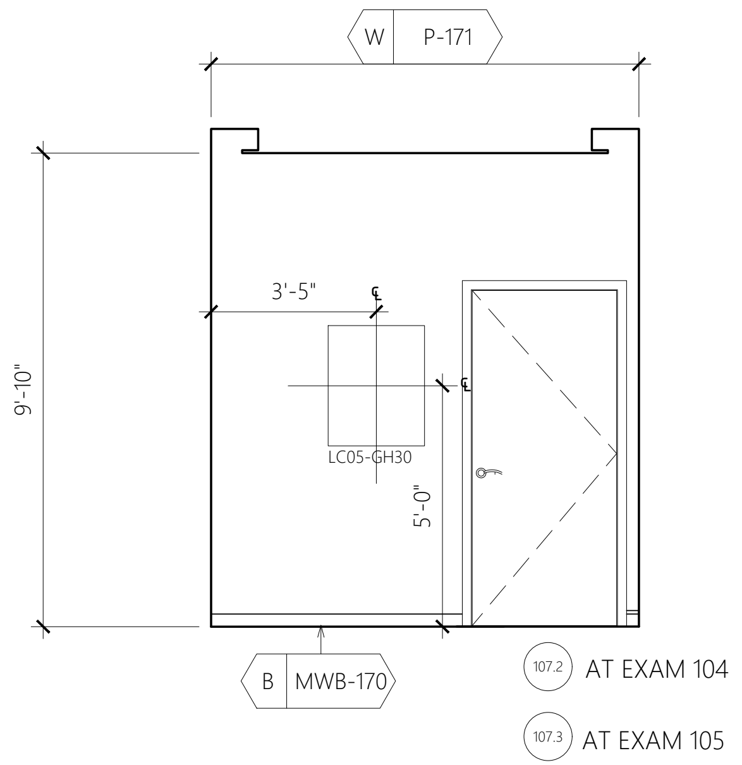
7 PRETEST 103

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


W P-171
9'-10"
4'-3"
7'-4 5/8"
01855-00 01825-00 01855-00 01828-00 01855-00 01855-00
01855-00 01855-00
B MWB-170

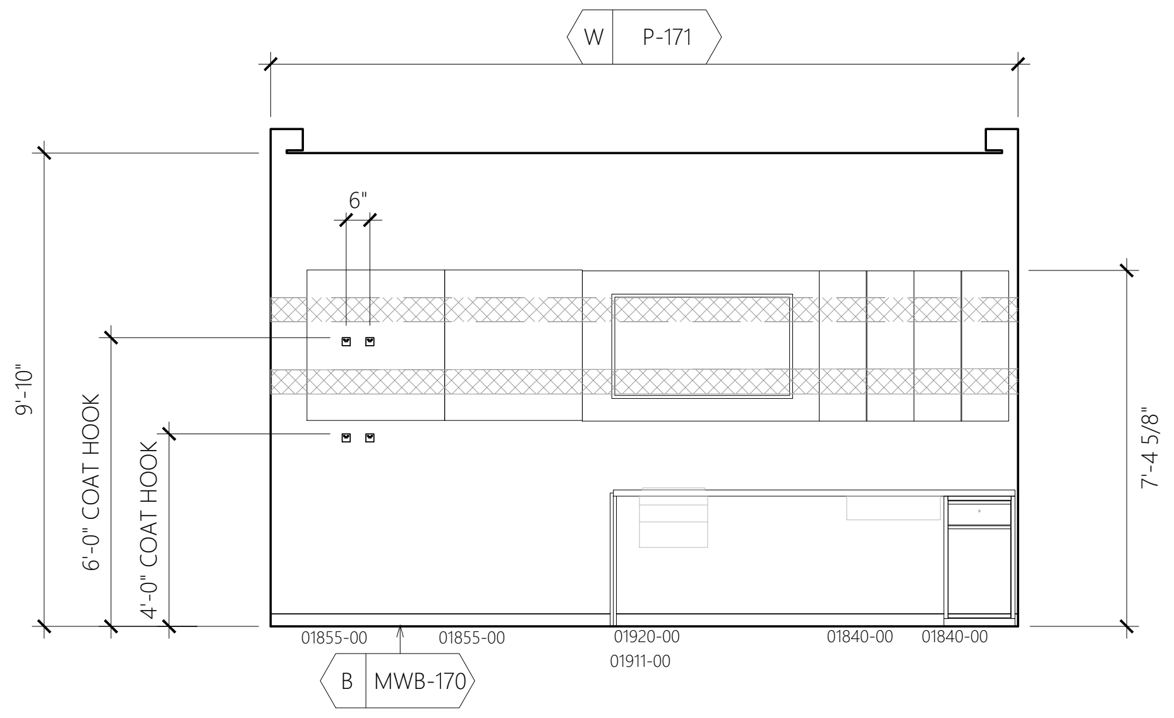
8 PRETEST 103

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


W P-171
3'-5"
9'-10"
LC05-GH30
5'-0"
B MWB-170
107.2 AT EXAM 104
107.3 AT EXAM 105

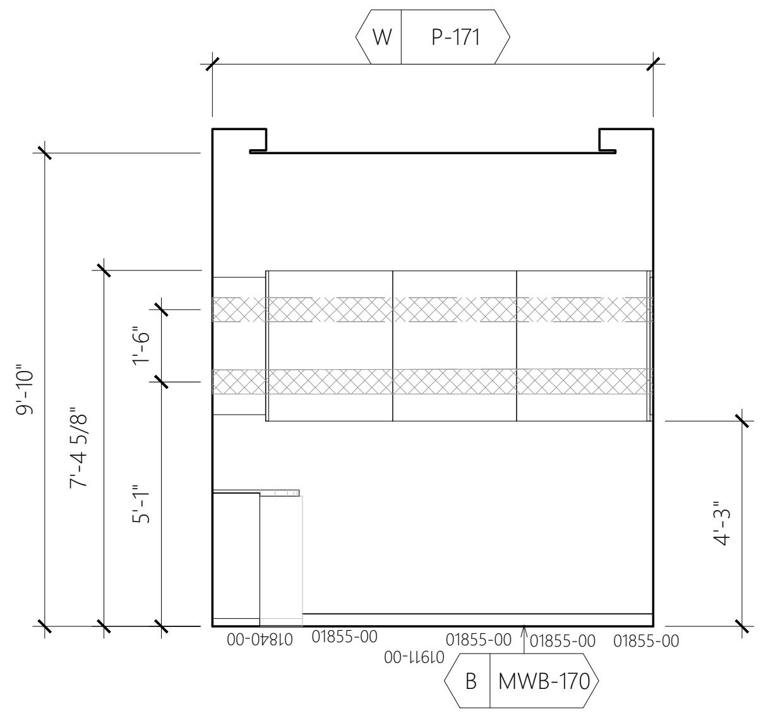
9 EXAM 1 104 & 105

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


W P-171
6"
9'-10"
6'-0" COAT HOOK
4'-0" COAT HOOK
7'-4 5/8"
01855-00 01855-00 01920-00 01840-00 01840-00
01911-00
B MWB-170

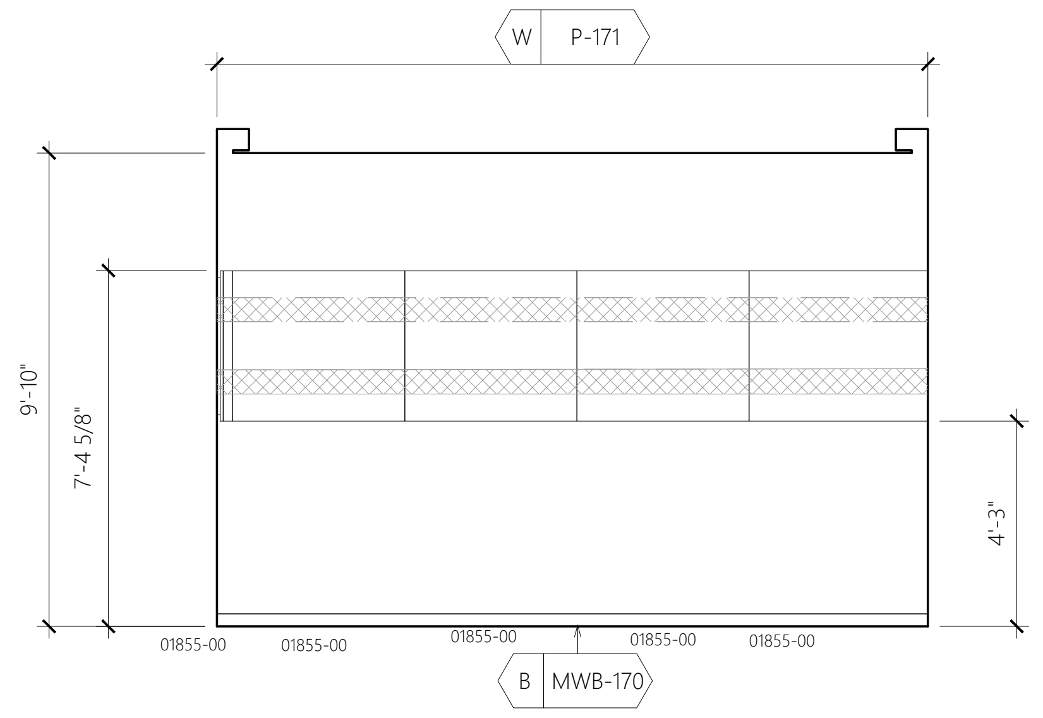
10 EXAM 1 104 & 105

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


W P-171
9'-10"
1'-6"
7'-4 5/8"
5'-1"
4'-3"
01855-00 01855-00 01855-00 01855-00
B MWB-170

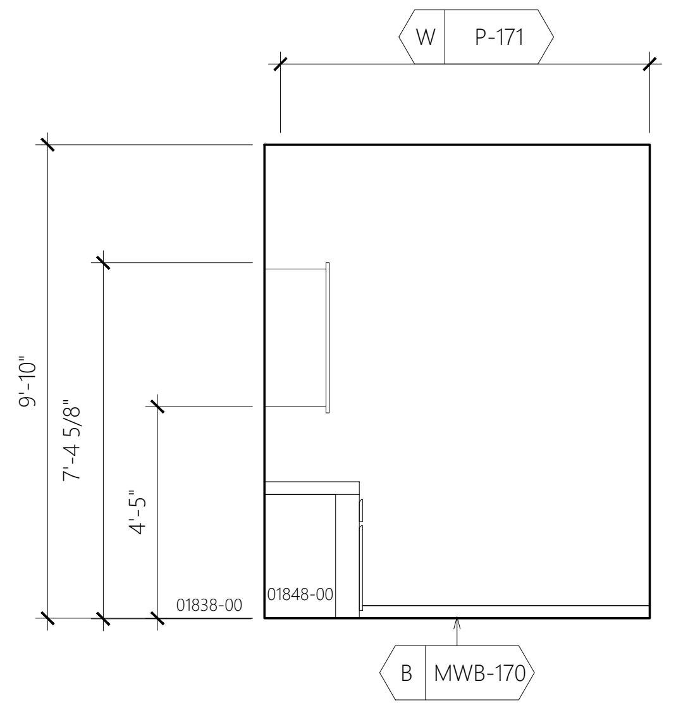
11 EXAM 1 104 & 105

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


W P-171
9'-10"
7'-4 5/8"
4'-3"
01855-00 01855-00 01855-00 01855-00 01855-00
B MWB-170

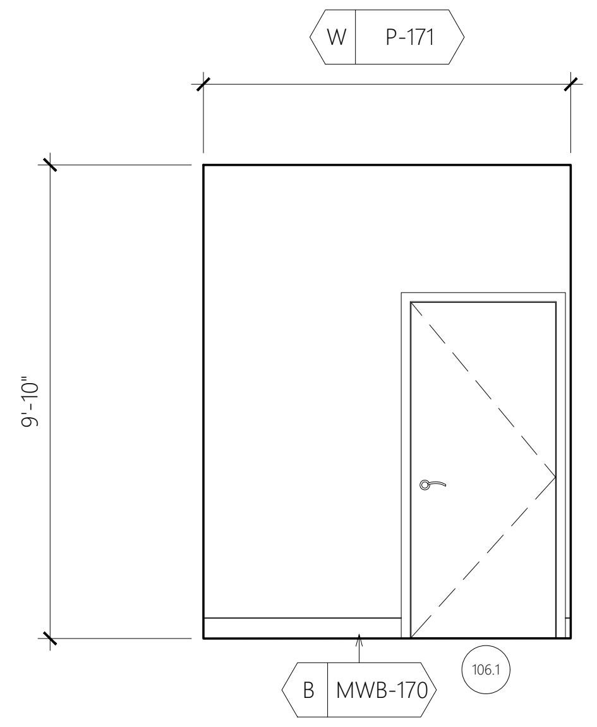
12 EXAM 1 104 & 105

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


W P-171
9'-10"
7'-4 5/8"
4'-5"
01838-00
01848-00
B MWB-170

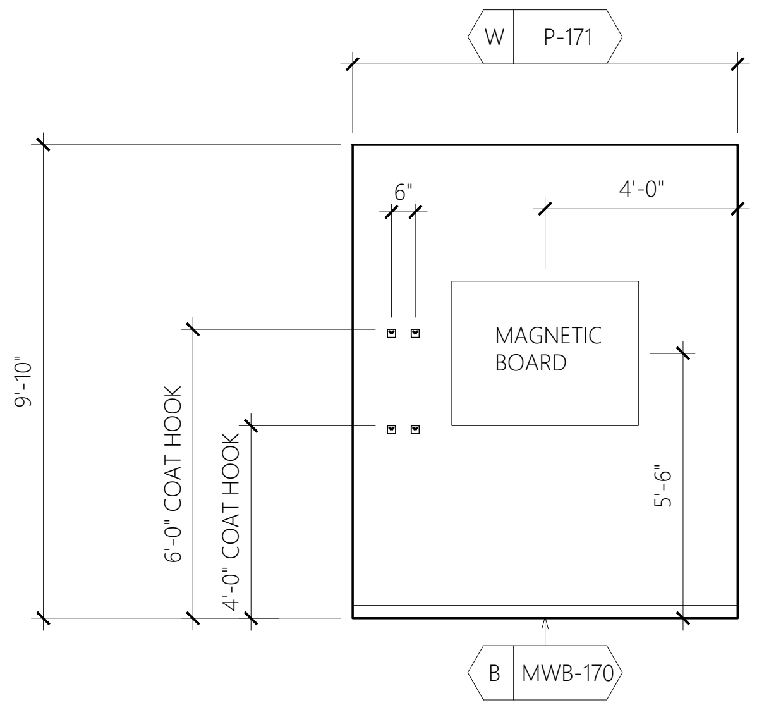
13 OFFICE 107

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


W P-171
9'-10"
B MWB-170
106.1

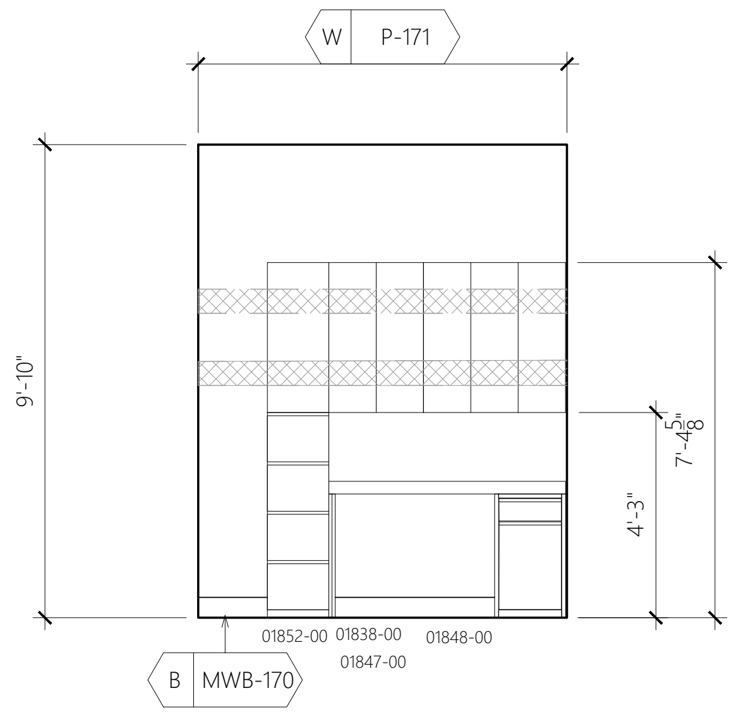
14 OFFICE 107

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


W P-171
6"
4'-0"
MAGNETIC BOARD
9'-10"
6'-0" COAT HOOK
4'-0" COAT HOOK
5'-6"
B MWB-170

15 OFFICE 107

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


W P-171
9'-10"
7'-4 5/8"
4'-3"
01852-00 01838-00 01848-00
01847-00
B MWB-170

16 OFFICE 107

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

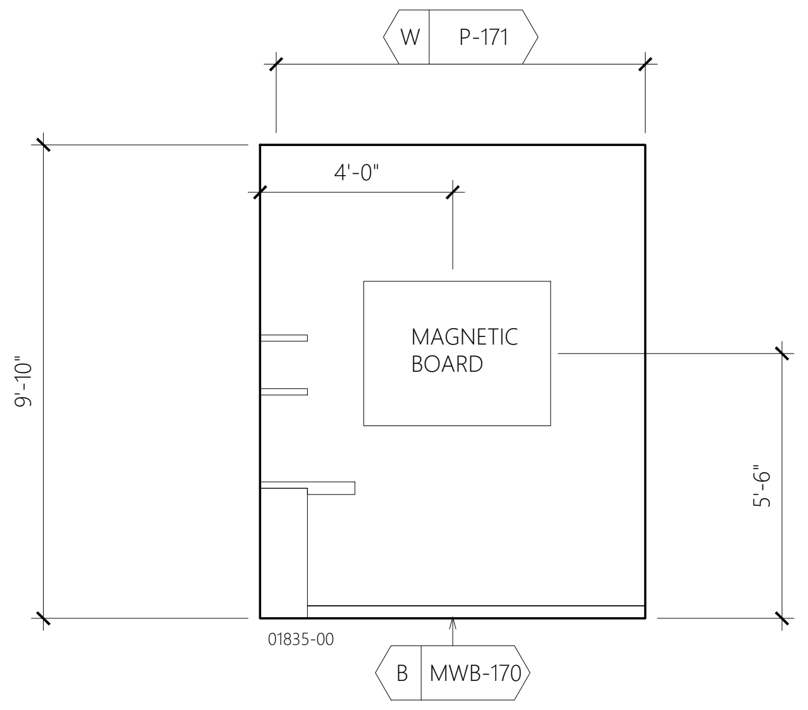
Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

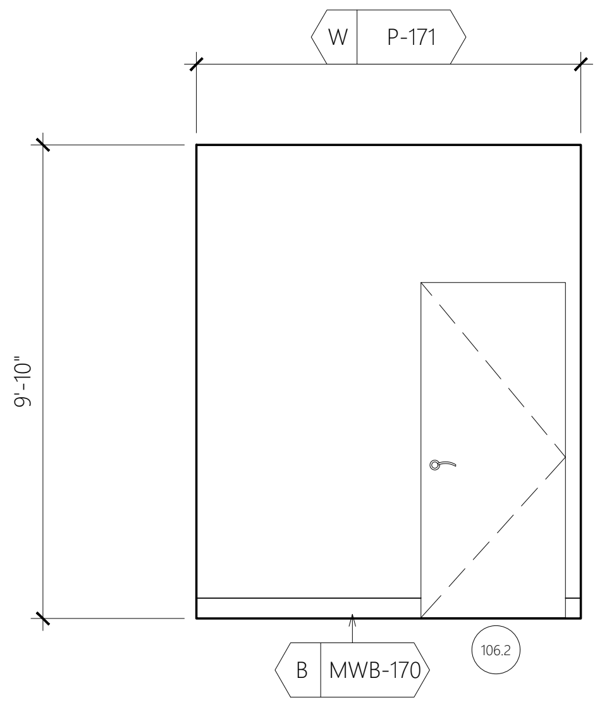
Title
INTERIOR ELEVATIONS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A201


W P-171
4'-0"
MAGNETIC BOARD
9'-10"
5'-6"
01835-00
B MWB-170

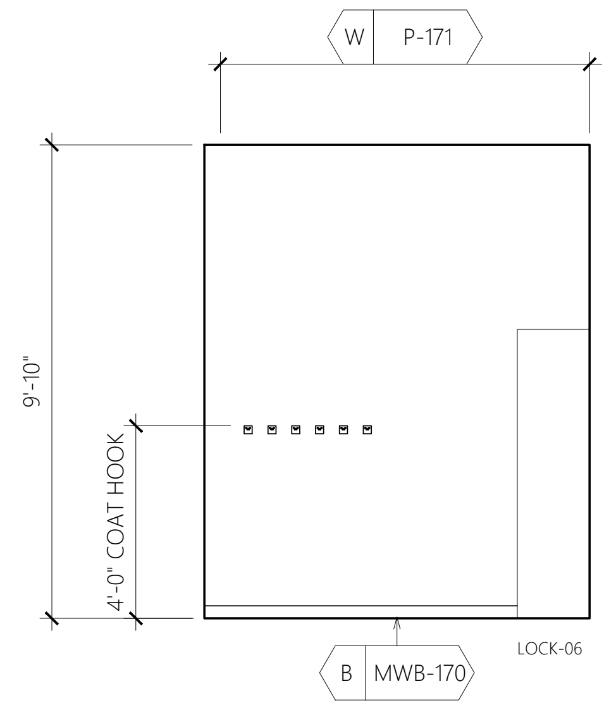
1 EMPLOYEE AREA 108

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


W P-171
9'-10"
B MWB-170
106.2

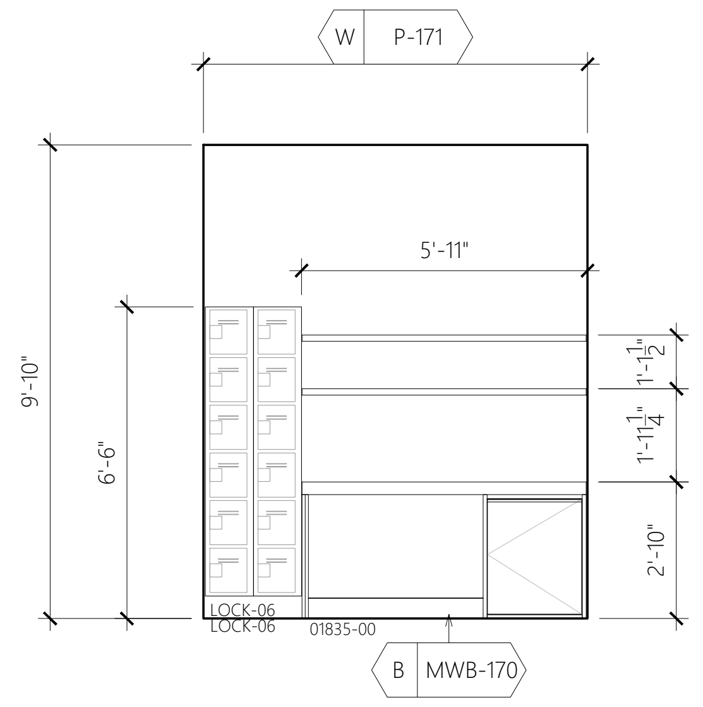
2 EMPLOYEE AREA 108

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


W P-171
9'-10"
4'-0" COAT HOOK
B MWB-170
LOCK-06

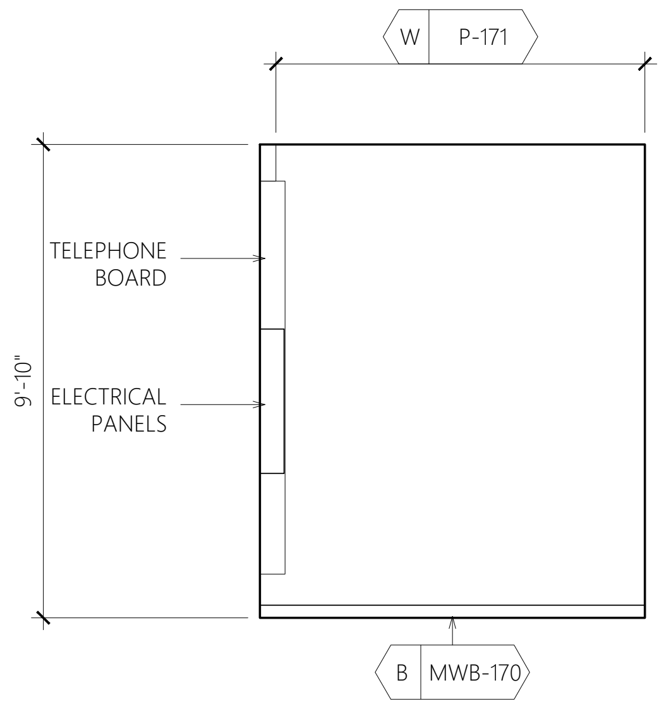
3 EMPLOYEE AREA 108

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


W P-171
5'-11"
9'-10"
6'-6"
1'-1 1/2"
1'-11 1/4"
2'-10"
LOCK-06
LOCK-06
01835-00
B MWB-170

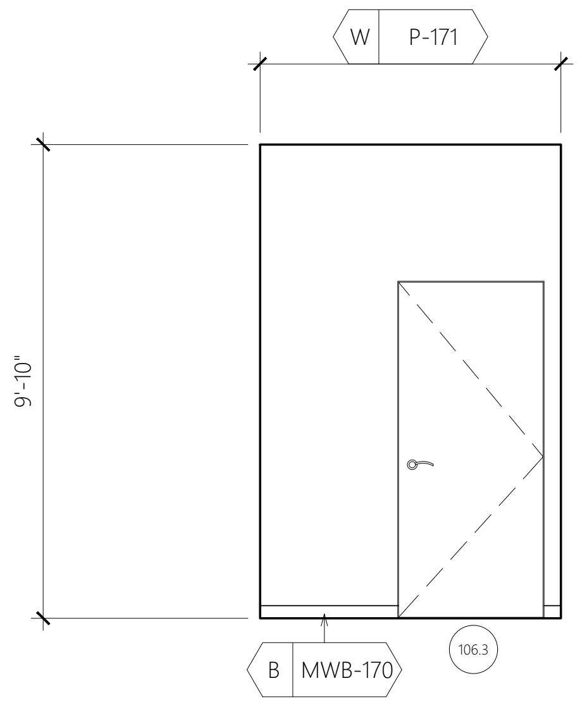
4 EMPLOYEE AREA 108

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


W P-171
TELEPHONE BOARD
9'-10"
ELECTRICAL PANELS
B MWB-170

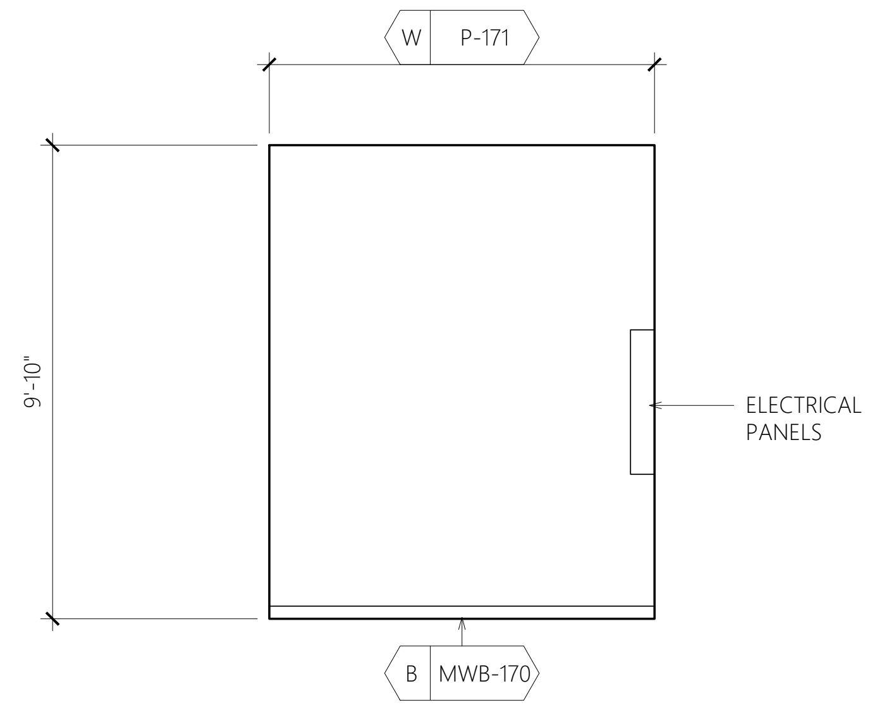
5 ELECTRICAL ROOM 109

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


W P-171
9'-10"
B MWB-170
106.1

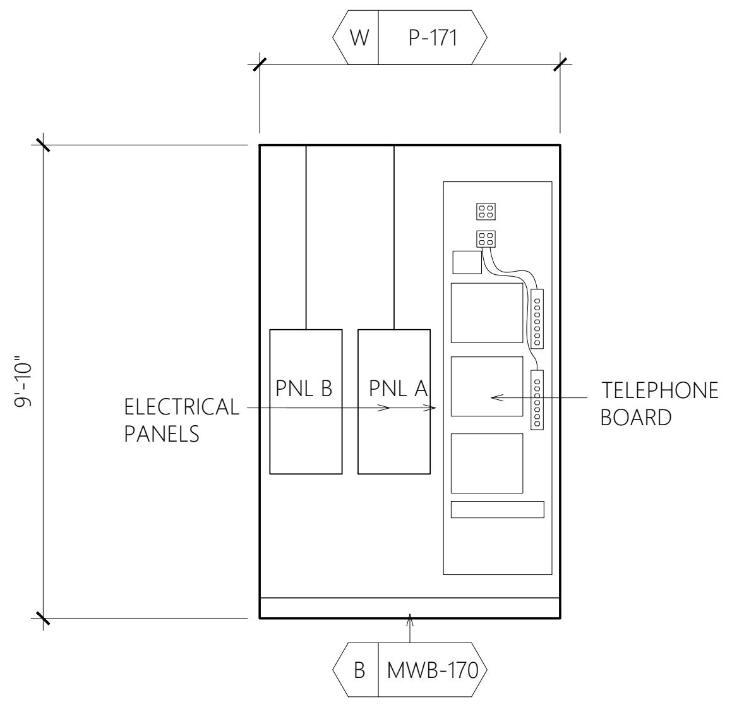
6 ELECTRICAL ROOM 109

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


W P-171
9'-10"
ELECTRICAL PANELS
B MWB-170

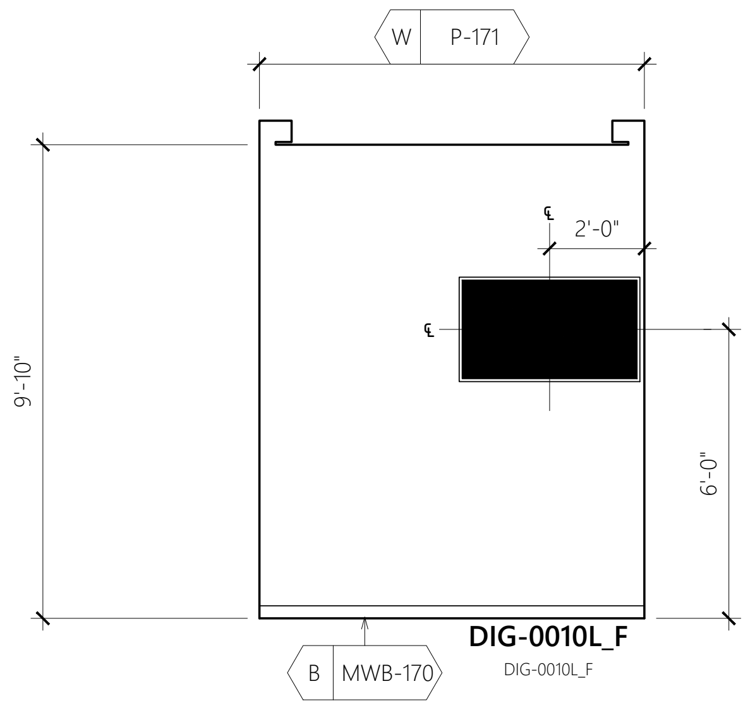
7 ELECTRICAL ROOM 109

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


W P-171
9'-10"
ELECTRICAL PANELS
PNL B
PNL A
TELEPHONE BOARD
B MWB-170

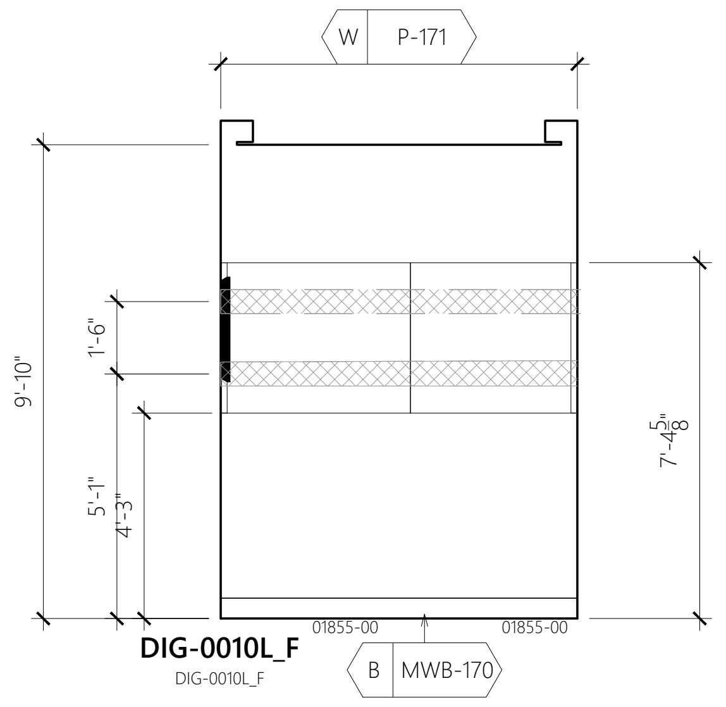
8 ELECTRICAL ROOM 109

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


W P-171
2'-0"
9'-10"
6'-0"
DIG-0010L_F
DIG-0010L_F
B MWB-170

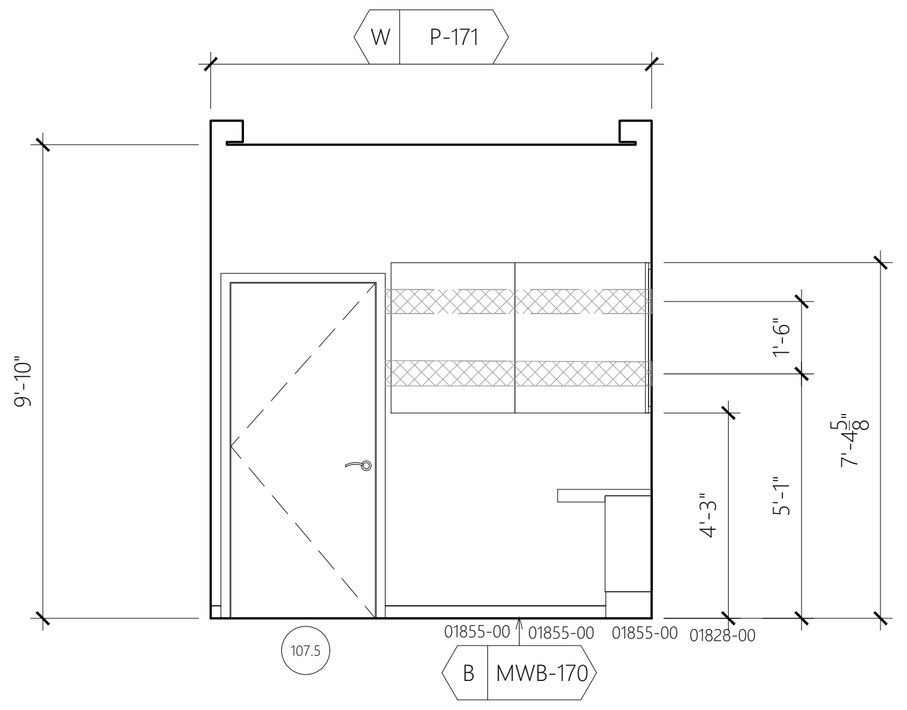
9 ALCOVE 112

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


W P-171
9'-10"
1'-6"
5'-1"
4'-3"
7'-4 5/8"
01855-00
01855-00
DIG-0010L_F
DIG-0010L_F
B MWB-170

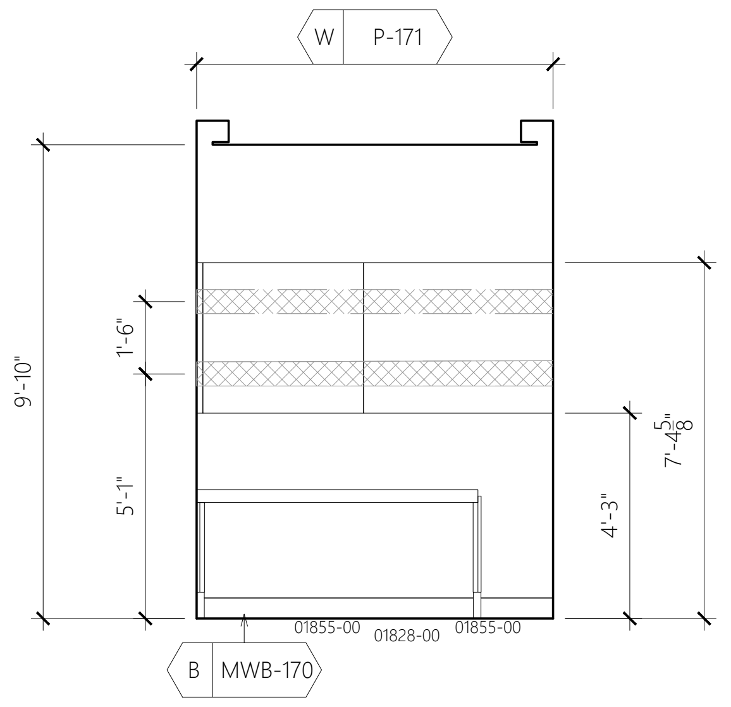
10 ALCOVE 112

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


W P-171
9'-10"
1'-6"
4'-3"
5'-1"
7'-4 5/8"
107.5
01855-00
01855-00
01855-00
01828-00
B MWB-170

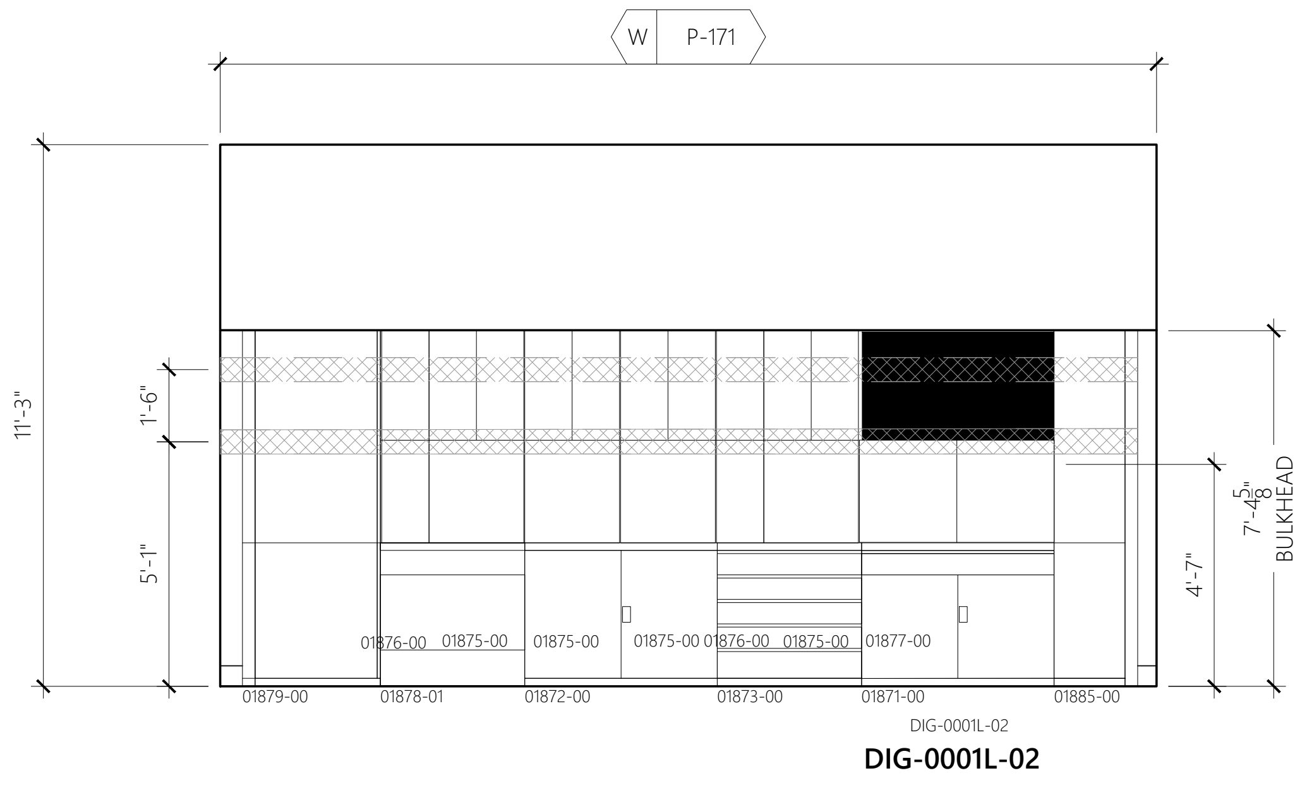
11 ALCOVE 112

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


W P-171
9'-10"
1'-6"
5'-1"
4'-3"
7'-4 5/8"
01855-00
01828-00
01855-00
B MWB-170

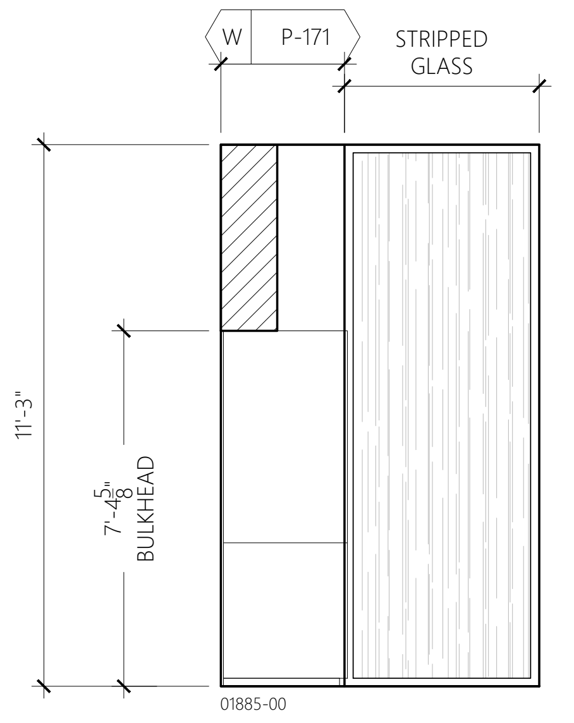
12 ALCOVE 112

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


W P-171
11'-3"
1'-6"
5'-1"
4'-7"
7'-4 5/8" BULKHEAD
01876-00
01875-00
01875-00
01875-00
01876-00
01875-00
01877-00
01879-00
01878-01
01872-00
01873-00
01871-00
01885-00
DIG-0001L-02
DIG-0001L-02

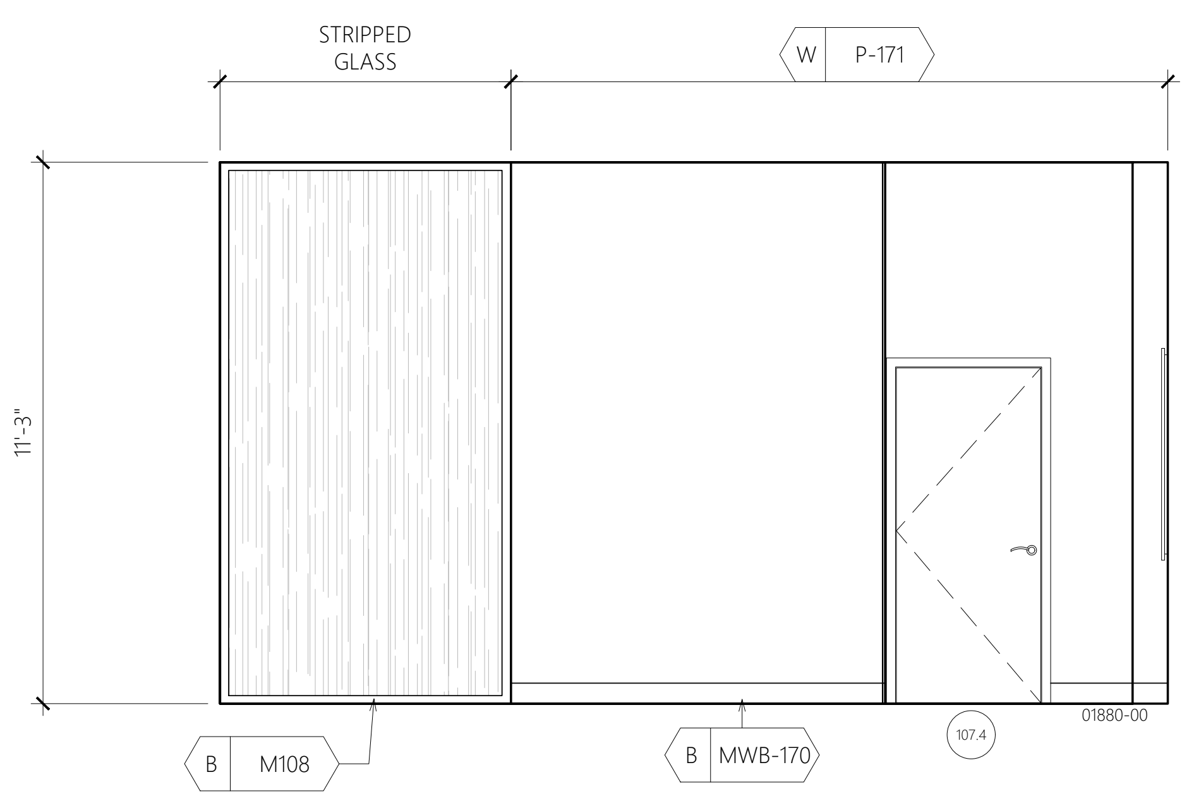
13 LAB 113

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


W P-171
STRIPPED GLASS
11'-3"
7'-4 5/8" BULKHEAD
01885-00

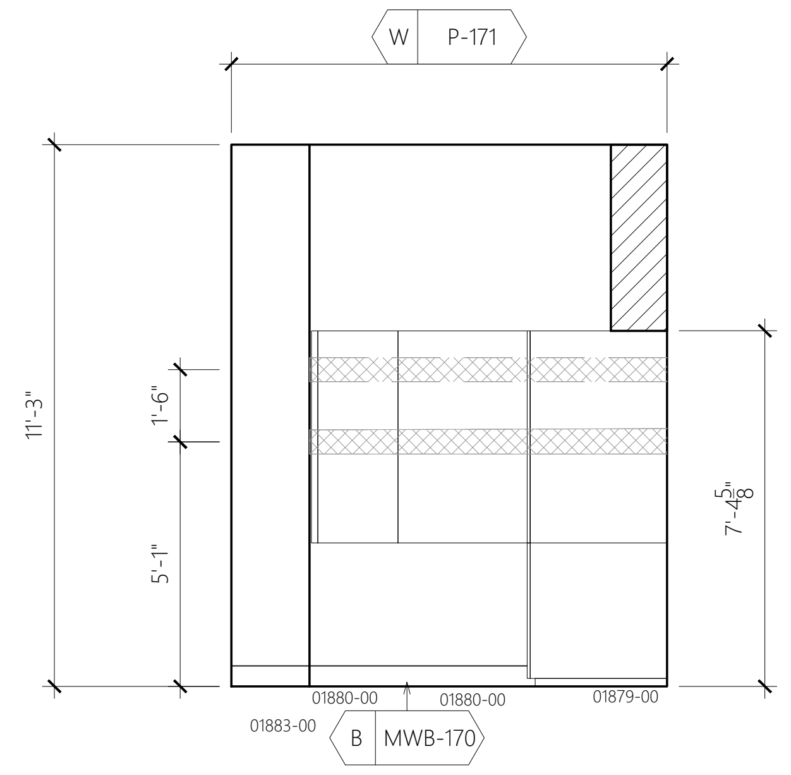
14 LAB 113

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


STRIPPED GLASS
W P-171
11'-3"
B M108
B MWB-170
107.4
01880-00

15 LAB 113

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


W P-171
11'-3"
1'-6"
5'-1"
7'-4 5/8"
01880-00
01880-00
01879-00
01883-00
B MWB-170

16 LAB 113

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
● 4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
● 6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
3 REV 09

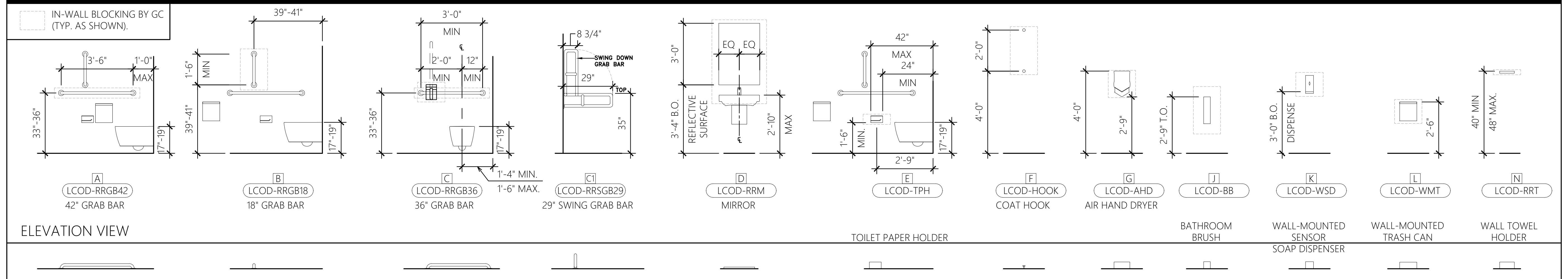
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

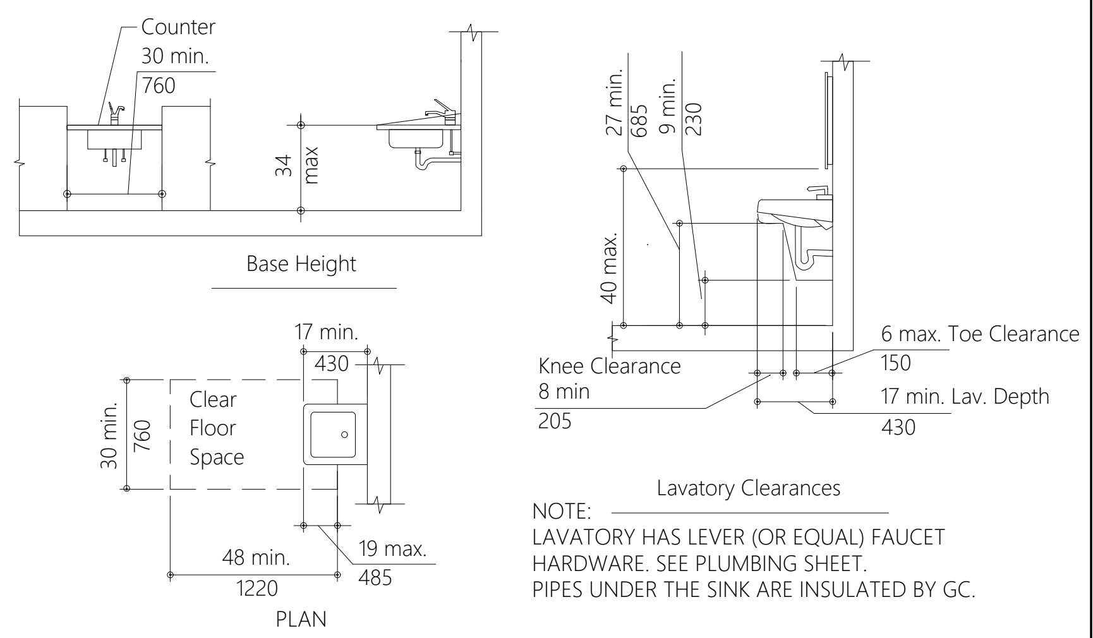
Title
INTERIOR
ELEVATIONS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A202


IN-WALL BLOCKING BY GC (TYP. AS SHOWN).
3'-6"
1'-0" MAX
33"-36"
17"-19"
A
LCOD-RRGB42
42" GRAB BAR
39"-41"
1'-6" MIN
39"-41"
17"-19"
B
LCOD-RRGB18
18" GRAB BAR
3'-0" MIN
2'-0" MIN
12" MIN
33"-36"
17"-19"
1'-4" MIN.
1'-6" MAX.
C
LCOD-RRGB36
36" GRAB BAR
8 3/4"
SWING DOWN GRAB BAR
29"
TOP
35"
C1
LCOD-RRSGB29
29" SWING GRAB BAR
3'-0"
EQ EQ
3'-4" B.O. REFLECTIVE SURFACE
2'-10" MAX
D
LCOD-RRM
MIRROR
42" MAX
24" MIN
1'-6" MIN.
17"-19"
2'-9"
E
LCOD-TPH
TOILET PAPER HOLDER
2'-0"
4'-0"
F
LCOD-HOOK
COAT HOOK
4'-0"
2'-9"
G
LCOD-AHD
AIR HAND DRYER
2'-9" T.O.
J
LCOD-BB
BATHROOM BRUSH
3'-0" B.O. DISPENSE
K
LCOD-WSD
WALL-MOUNTED SENSOR SOAP DISPENSER
2'-6"
L
LCOD-WMT
WALL-MOUNTED TRASH CAN
40" MIN
48" MAX.
N
LCOD-RRT
WALL TOWEL HOLDER
ELEVATION VIEW
PLAN VIEW

A-LC06AN-A203-REV00

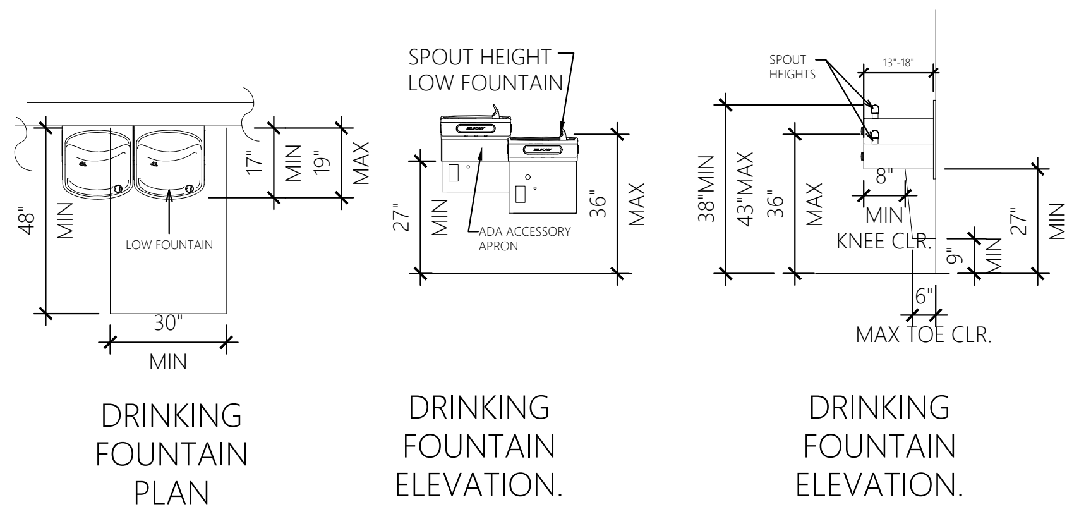
B SINK ACCESSIBILITY CLEARANCES


Counter
30 min.
760
34 max
Base Height
17 min.
430
30 min.
760
Clear Floor Space
48 min.
1220
19 max.
485
PLAN
27 min.
685
9 min.
230
40 max.
Knee Clearance
8 min
205
6 max. Toe Clearance
150
17 min. Lav. Depth
430
Lavatory Clearances

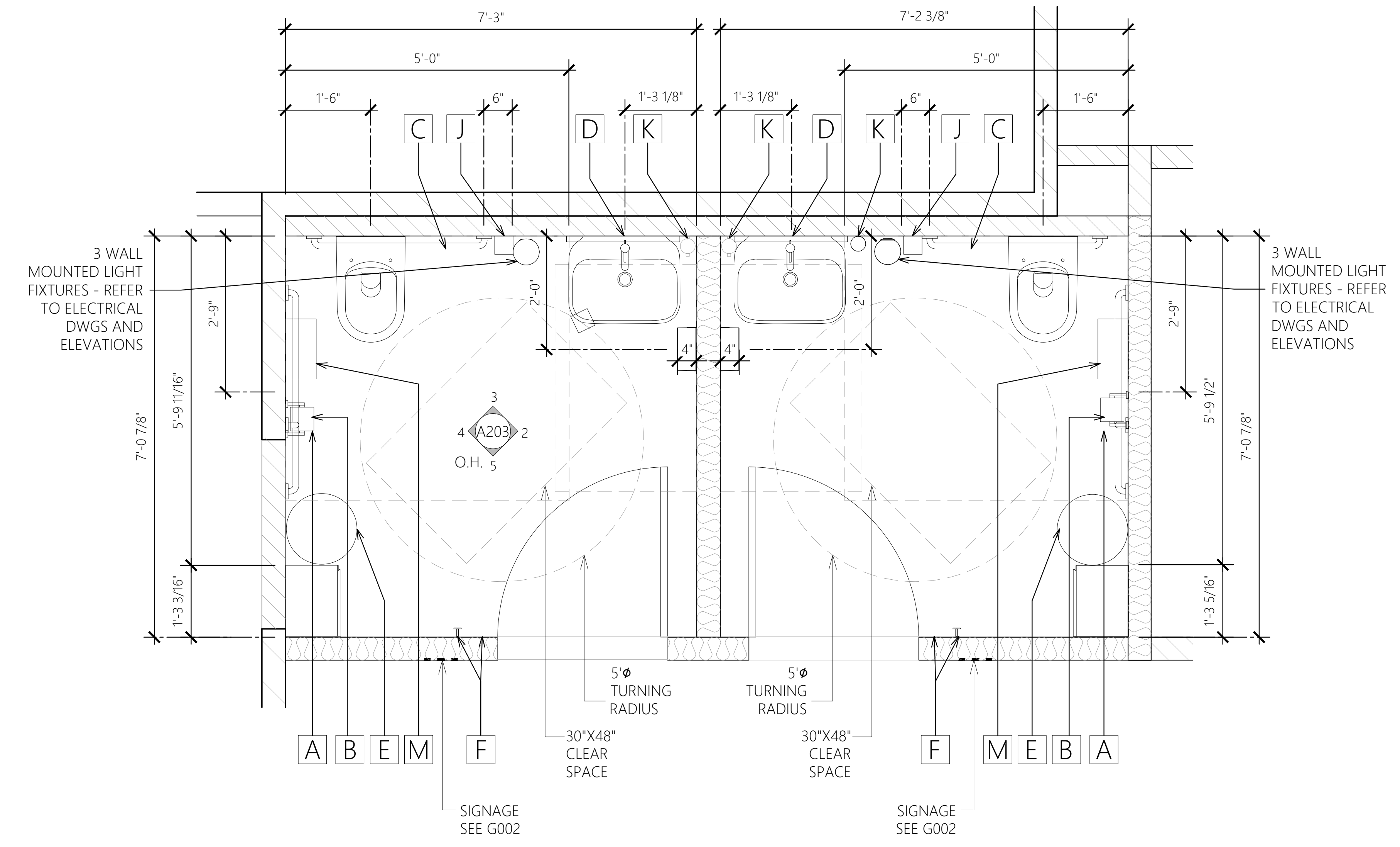
NOTE:
LAVATORY HAS LEVER (OR EQUAL) FAUCET HARDWARE. SEE PLUMBING SHEET.
PIPES UNDER THE SINK ARE INSULATED BY GC.

B-LC06AN-A203-REV00

C DRINKING FOUNTAIN


48" MIN
LOW FOUNTAIN
17" MIN
19" MAX
30" MIN
DRINKING FOUNTAIN PLAN
SPOUT HEIGHT LOW FOUNTAIN
27" MIN
ADA ACCESSORY APRON
36" MAX
DRINKING FOUNTAIN ELEVATION.
SPOUT HEIGHTS
13"-18"
38"MIN
43"MAX
36" MAX
8" MIN
KNEE CLR.
9" MIN
27" MIN
6" MAX TOE CLR.
DRINKING FOUNTAIN ELEVATION.

C-LC06AN-A203-REV00


7'-3"
7'-2 3/8"
5'-0"
5'-0"
1'-6"
6"
1'-3 1/8"
1'-3 1/8"
6"
1'-6"
C J D K K D K J C
3 WALL MOUNTED LIGHT FIXTURES - REFER TO ELECTRICAL DWGS AND ELEVATIONS
3 WALL MOUNTED LIGHT FIXTURES - REFER TO ELECTRICAL DWGS AND ELEVATIONS
2'-9"
2'-0"
2'-0"
2'-9"
4"
4"
5'-9 11/16"
5'-9 1/2"
7'-0 7/8"
7'-0 7/8"
1'-3 3/16"
1'-3 5/16"
3
4 A203 2
5
O.H.
5'ø TURNING RADIUS
5'ø TURNING RADIUS
30"X48" CLEAR SPACE
30"X48" CLEAR SPACE
A B E M F
F M E B A
SIGNAGE SEE G002
SIGNAGE SEE G002

1 ENLARGED TOILET ROOM PLAN

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

D TOILET ROOM ACCESSORY SCHEDULE

(#) = QUANTITY

@	CODE	ITEM	DESCRIPTION	ROOM	REMARKS	SUPPLIED	RECEIVED	INSTALLED
A	LCOD-RRGB42	42" GRAB BAR	BOBRICK: B-5806X42.99 (PEENED)	RESTROOM (1)	• GC TO PROVIDE & INSTALL IN-WALL BLOCKING.	GC	GC	GC
B	LCOD-RRGB18	18" GRAB BAR	BOBRICK: B-5806X18.99 (PEENED)	RESTROOM (1)	• GC TO PROVIDE & INSTALL IN-WALL BLOCKING.	GC	GC	GC
C	LCOD-RRGB36	36" GRAB BAR	BOBRICK: B-5806X36.99 (PEENED)	RESTROOM (1)	• GC TO PROVIDE & INSTALL IN-WALL BLOCKING.	GC	GC	GC
C1	LCOD-RRSGB29	SWING DOWN GRAB BAR	BOBRICK: B-4998.99 (PEENED)	RESTROOM (1)	• GC TO PROVIDE & INSTALL IN-WALL BLOCKING.	GC	GC	GC
D	LCOD-RRM	WALL MIRROR	VENDOR: T.B.D. VENDOR PART #: T.B.D. FINISH: T.B.D.	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
E	LCOD-TPH	TOILET PAPER HOLDER	VENDOR: DELTA ARTICLE #: 3042094; VENDOR PART #: 79956-SS FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
F	LCOD-HOOK	COAT HOOK ROUND WALL-MOUNTED HOOKS	VENDOR: NA ARTICLE #: 3042090; VENDOR PART #: 3524806 FINISH: MATTE STAINLESS STEEL	RESTROOM (2)	• INSTALL (1) @ 48" A.F.F. & (1) @ 72" A.F.F. • ROUND HOOK ONLY (INSTALL WITHOUT PROVIDED BACKPLATE) • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
G	LCOD-AHD	AIR HAND DRYER	VENDOR: DYSON ARTICLE #: 3042088; VENDOR PART #: 307174-01 FINISH: SPRAYED NICKEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
H	SK9	FAUCET	VENDOR: SLOAN VENDORPART#:EBF-415-BAT-TEE-0.5GPM-MLM-IR-FCT FINISH: BRUSHED STAINLESS	RESTROOM (1)	• (1) PER SINK	GC	GC	GC
		SINK	VENDOR: DURAVIT VENDOR PART #: 2316600000 1 FAUCET HOLE FINISH: WHITE	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	GC	GC	GC
J	LCOD-BB	BATHROOM BRUSH	VENDOR: NEMESIA ARTICLE #: 3042096; VENDOR PART #: LEN-NNE330313 FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM	T	GC	GC
K	LCOD-WSD	WALL-MOUNTED SENSOR SOAP DISPENSER	VENDOR: BRADLEY ARTICLE #: 3042086; VENDOR PART #: 6A00-110000 FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
L	LCOD-WMT	WALL-MOUNTED TRASH CAN	VENDOR: BRADLEY ARTICLE #: 3041932; VENDOR PART #: 4A10-11 FINISH: STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC
M	LCOD-RRS	STOOL	TRUEDESIGN MODEL: TD1000	RESTROOM (1)	• (1) PER RESTROOM	T	GC	GC
N	LCOD-RRT	WALL TOWEL HOLDER	VENDOR: INDA SERIES: INDISSIMA MODEL: A88510; BRUSHED STAINLESS STEEL	RESTROOM (1)	• (1) PER RESTROOM • GC TO PROVIDE AND INSTALL IN-WALL BLOCKING	T	GC	GC

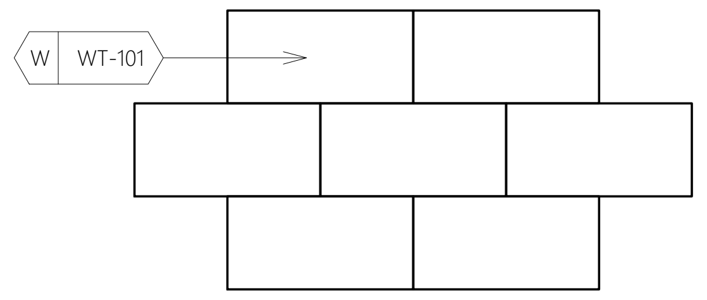
D-LC06AN-A203-REV00

E KEY NOTES

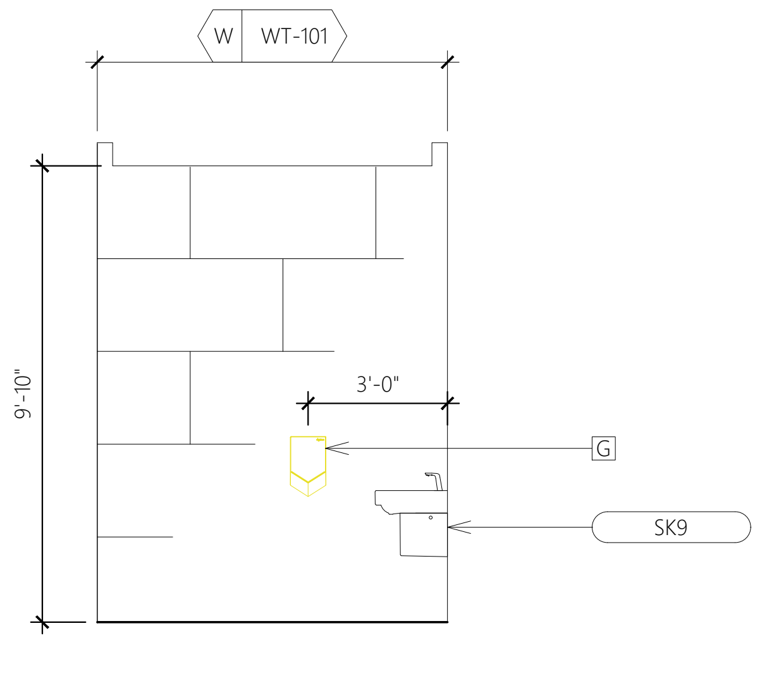
1. EXISTING TILE FLOOR (TF-601) INSTALLED BY LANDLORD PER TENANT DESIGN
2. EXISTING WALL TILE FINISH (WT-100) INSTALLED BY LANDLORD ON ALL WALLS PER TENANT DESIGN.
3. TOILET ROOM SIDE OF EXISTING DOOR PAINTED (P-172) BY LANDLORD PER TENANT DESIGN.
4. EXISTING WALL MOUNT, CONCEALED TANK WATER CLOSET INSTALLED BY LANDLORD PER TENANT DESIGN
5. EXISTING LAVATORY INSTALLED BY LANDLORD PER TENANT DESIGN.
6. EXISTING 42" GRAB BAR INSTALLED BY LANDLORD AS INDICATED PER TENANT DESIGN.
7. EXISTING 36" GRAB BAR INSTALLED BY LANDLORD AS INDICATED PER TENANT DESIGN.
8. EXISTING 18" VERTICAL GRAB BAR INSTALLED BY LANDLORD AS INDICATED PER TENANT DESIGN.
9. EXISTING MIRROR ABOVE LAVATORY BY LANDLORD PER TENANT DESIGN.
10. EXISTING TOILET TISSUE DISPENSER INSTALLED BY LANDLORD AS INDICATED PER TENANT DESIGN.
11. EXISTING ELECTRICAL HAND DRYER INSTALLED BY LANDLORD AS INDICATED PER TENANT DESIGN.
12. EXISTING COAT HOOKS INSTALLED ON THE TOILET ROOM DOOR BY LANDLORD AT 4'-0" PER TENANT DESIGN.
13. EXISTING WALL MOUNTED TRASH CONTAINER INSTALLED BY LANDLORD PER TENANT DESIGN.
14. EXISTING WALL MOUNTED SOAP DISPENSER INSTALLED BY LANDLORD PER TENANT DESIGN.
15. TENANT G.C. TO INSTALL NEW DRINKING FOUNTAIN IN THE BACK OF HOUSE AREA CORRIDOR AS INDICATED.
16. TENANT G.C. TO INSTALL NEW WALL MOUNTED LIGHT FIXTURE AS INDICATED.

F GENERAL NOTES

A. ANY EXPOSED PLUMBING SHALL BE WRAPPED w/ HANDICAPPED APPROVED WHITE VINYL DRAIN COVERS SUPPLIED AND INSTALLED BY G.C.
B. PROVIDE NON-COMBUSTIBLE FRT IN WALL BLOCKING, IN ALL LOCATIONS OF EQUIPMENT AND ACCESSORIES REQUIRED TO BE WALL MOUNTED.
C. REFER TO ACCESSIBLE ACCESSORY INSTALLATION DIAGRAMS THIS PAGE FOR ALL TOILET ROOM ACCESSORY INSTALLATION.
D. G.C. TO PROVIDE SILICONE SEALANT JOINT AROUND ALL RESTROOM FIXTURES.

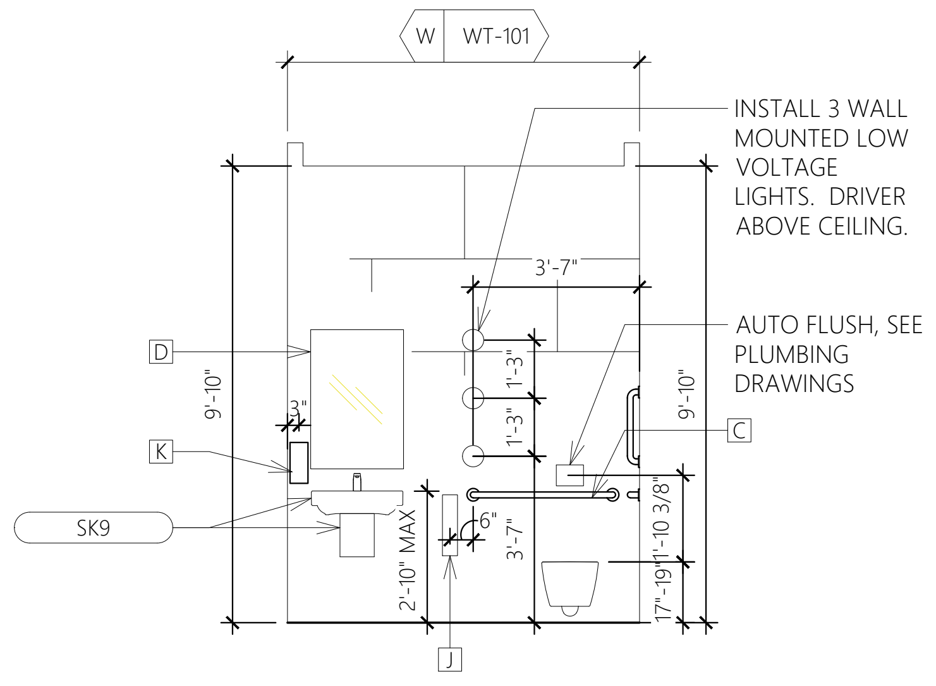


24" X 48" CERAMIC TILE
STRETCHER BOND PATTERN (TYP.)


W WT-101
9'-10"
3'-0"
G
SK9

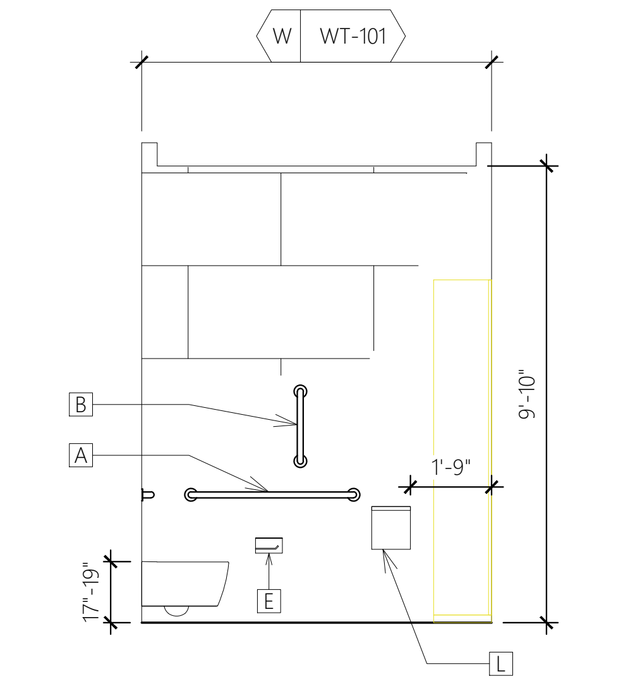
2 TOILET ROOM ELEV. ROOM 110 / 111

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


W WT-101
INSTALL 3 WALL MOUNTED LOW VOLTAGE LIGHTS. DRIVER ABOVE CEILING.
AUTO FLUSH, SEE PLUMBING DRAWINGS
3'-7"
D
K
C
SK9
9'-10"
9'-10"
2'-10" MAX
J

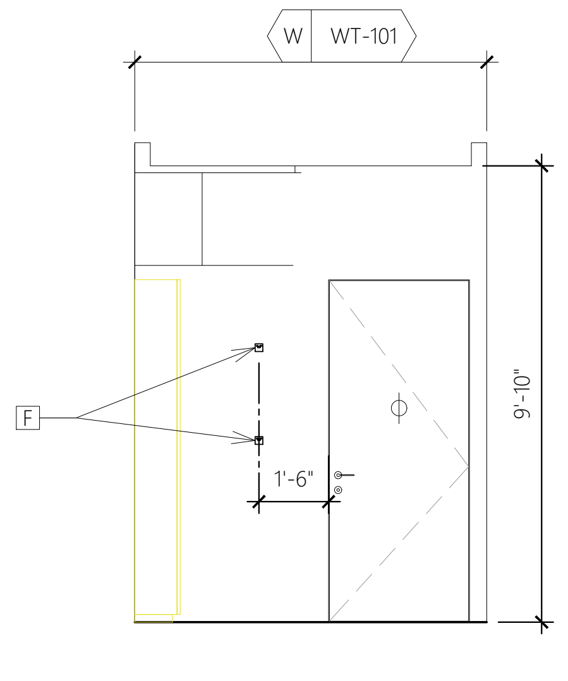
3 TOILET ROOM ELEV. ROOM 110/ 111

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


W WT-101
B
A
E
L
1'-9"
9'-10"

4 TOILET ROOM ELEV. ROOM 110/ 111

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


W WT-101
F
1'-6"
9'-10"

5 TOILET ROOM ELEV. ROOM 110/ 111

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

G GRAB BAR DETAIL

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

GRAB BARS
LOCATE GRAB BARS AS NOTED IN RESTROOM ELEVATIONS

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

GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

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

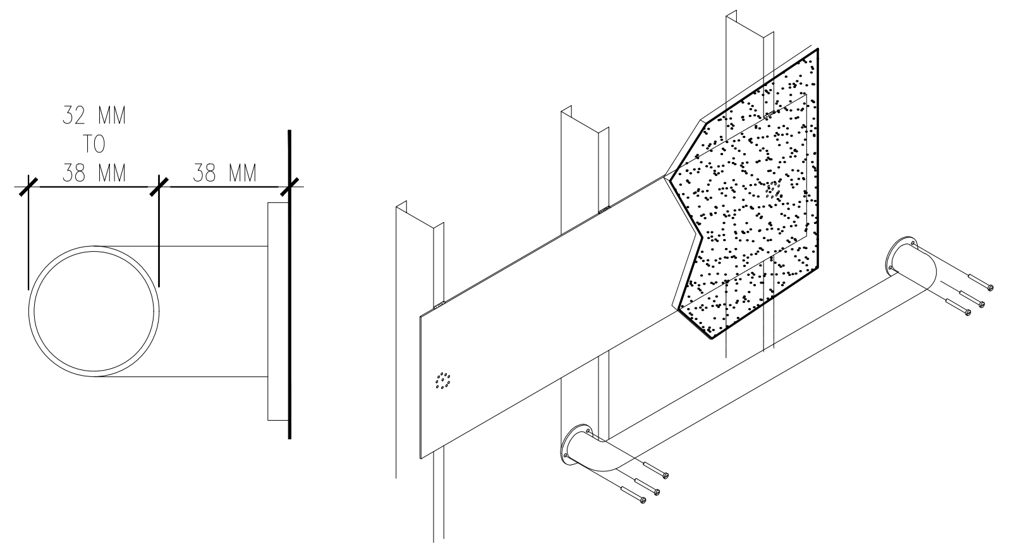
BENDING STRESS IN A GRAB BAR OR SEAT INDUCED BY THE MAX. BENDING MOMENT FROM THE APPLICATION OF A 250 LB. POINT LOAD SHALL BE LESS THAN THE ALLOWABLE STRESS FOR THE MATERIAL OF THE GRAB BAR OR SEAT.

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

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

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

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


32 MM TO 38 MM
38 MM

G-LC06AN-A203-REV00

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

- 4000 Luxottica Place, Mason, OH 45040 — +1 (513) 765-6000
- 6 Creamery Brook, East Granby, CT 06026 — +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
NUMBER A-2021021518
Amy Sjursen 1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: REV 09

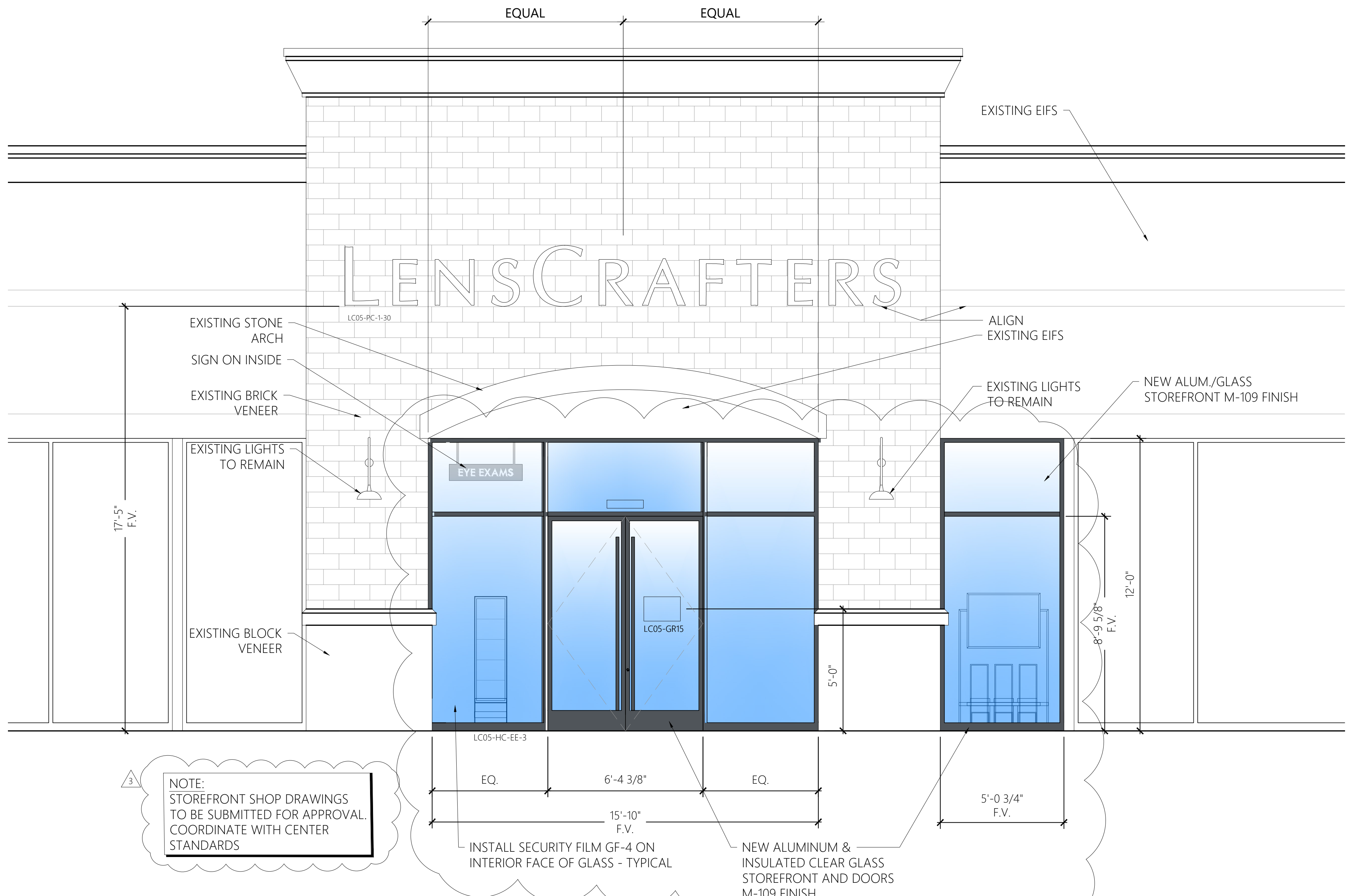
Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
TOILET ROOM PLAN, ELEVATIONS DETAILS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A203


EQUAL
EQUAL
EXISTING EIFS
LENSCRAFTERS
LC05-PC-1-30
EXISTING STONE ARCH
SIGN ON INSIDE
EXISTING BRICK VENEER
EXISTING LIGHTS TO REMAIN
ALIGN
EXISTING EIFS
EXISTING LIGHTS TO REMAIN
NEW ALUM./GLASS STOREFRONT M-109 FINISH
EYE EXAMS
LC05-GR15
17'-5" F.V.
12'-0"
8'-9 5/8" F.V.
5'-0"
EXISTING BLOCK VENEER
LC05-HC-EE-3
EQ.
6'-4 3/8"
EQ.
15'-10" F.V.
5'-0 3/4" F.V.
3
NOTE:
STOREFRONT SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL. COORDINATE WITH CENTER STANDARDS
INSTALL SECURITY FILM GF-4 ON INTERIOR FACE OF GLASS - TYPICAL
NEW ALUMINUM & INSULATED CLEAR GLASS STOREFRONT AND DOORS M-109 FINISH
3

1 EXISTING STOREFRONT ELEVATION

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

● 4000 Luxottica Place, Mason, OH 45040
● 6 Creamery Brook, East Granby, CT 06026
● +1 (513) 765-6000
● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

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Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
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Amy Sjursen
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
3 REV 09

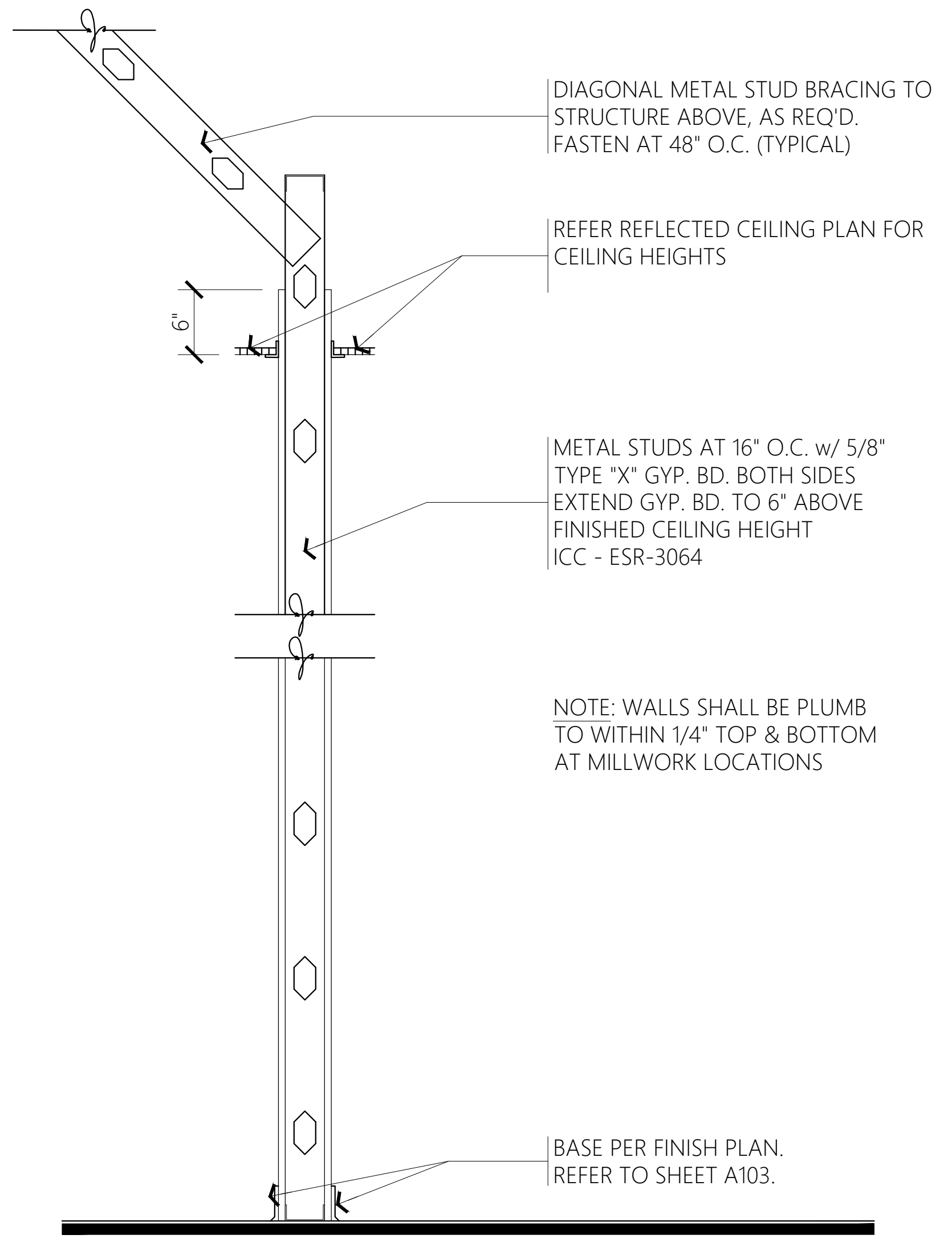
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

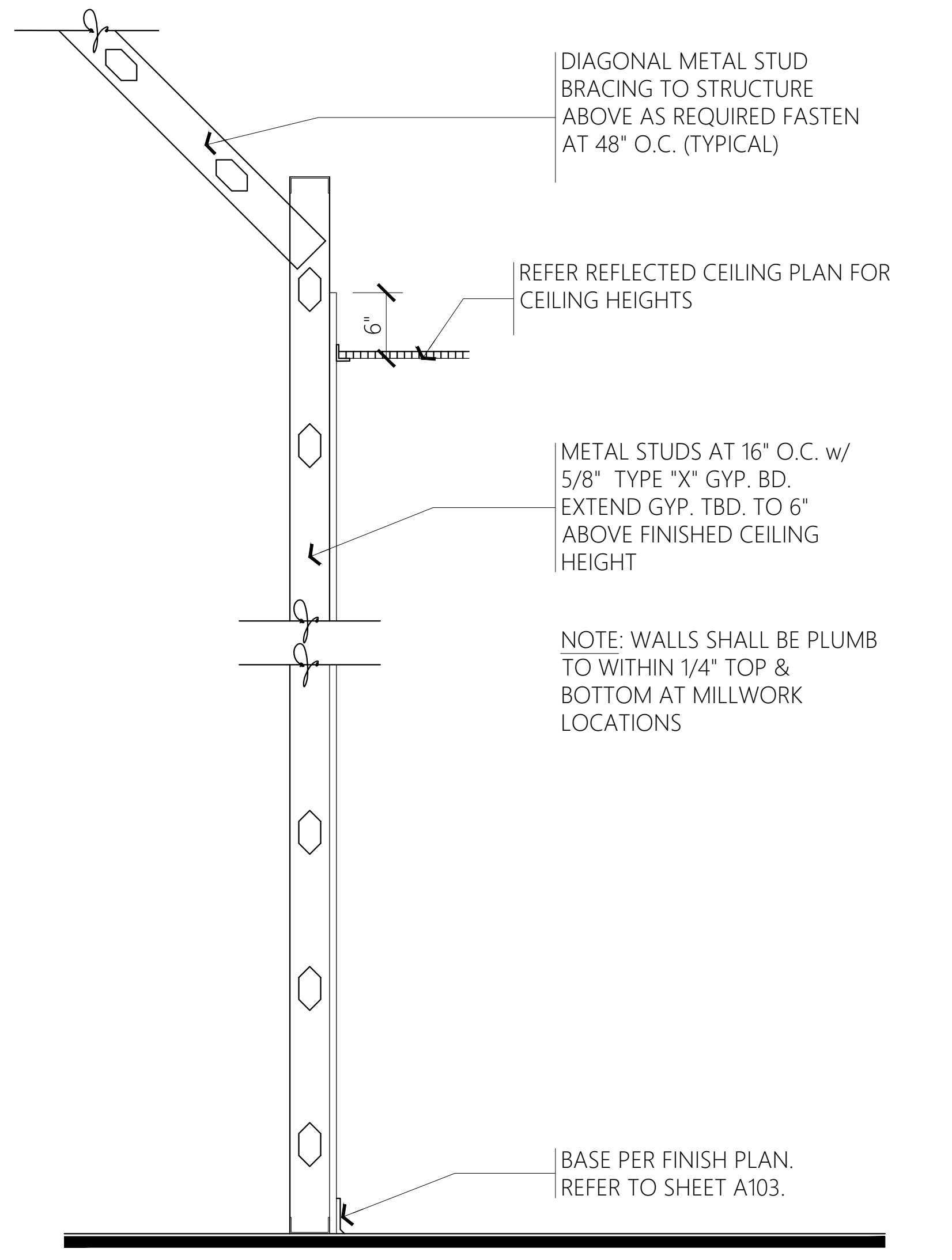
Title
STOREFRONT ELEVATION AND DETAILS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A300


DIAGONAL METAL STUD BRACING TO STRUCTURE ABOVE, AS REQ'D. FASTEN AT 48" O.C. (TYPICAL)
REFER REFLECTED CEILING PLAN FOR CEILING HEIGHTS
6"
METAL STUDS AT 16" O.C. w/ 5/8" TYPE "X" GYP. BD. BOTH SIDES EXTEND GYP. BD. TO 6" ABOVE FINISHED CEILING HEIGHT ICC - ESR-3064
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
BASE PER FINISH PLAN. REFER TO SHEET A103.

1 WALL SECTION

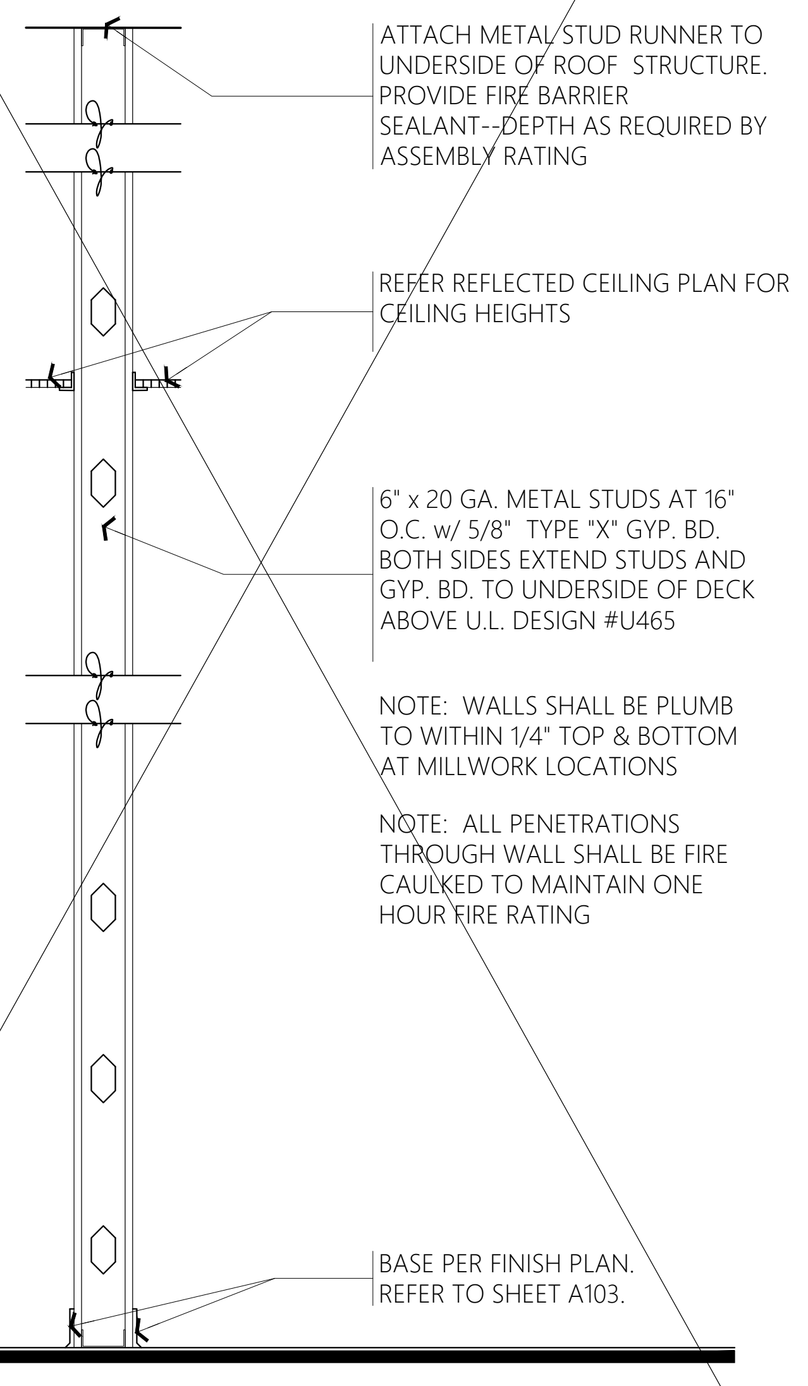
SCALE: 3/4"=1'-0" TYPICAL INTERIOR PARTITION WALL


DIAGONAL METAL STUD BRACING TO STRUCTURE ABOVE AS REQUIRED FASTEN AT 48" O.C. (TYPICAL)
REFER REFLECTED CEILING PLAN FOR CEILING HEIGHTS
6"
METAL STUDS AT 16" O.C. w/ 5/8" TYPE "X" GYP. BD. EXTEND GYP. TBD. TO 6" ABOVE FINISHED CEILING HEIGHT
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
BASE PER FINISH PLAN. REFER TO SHEET A103.

2 WALL SECTION

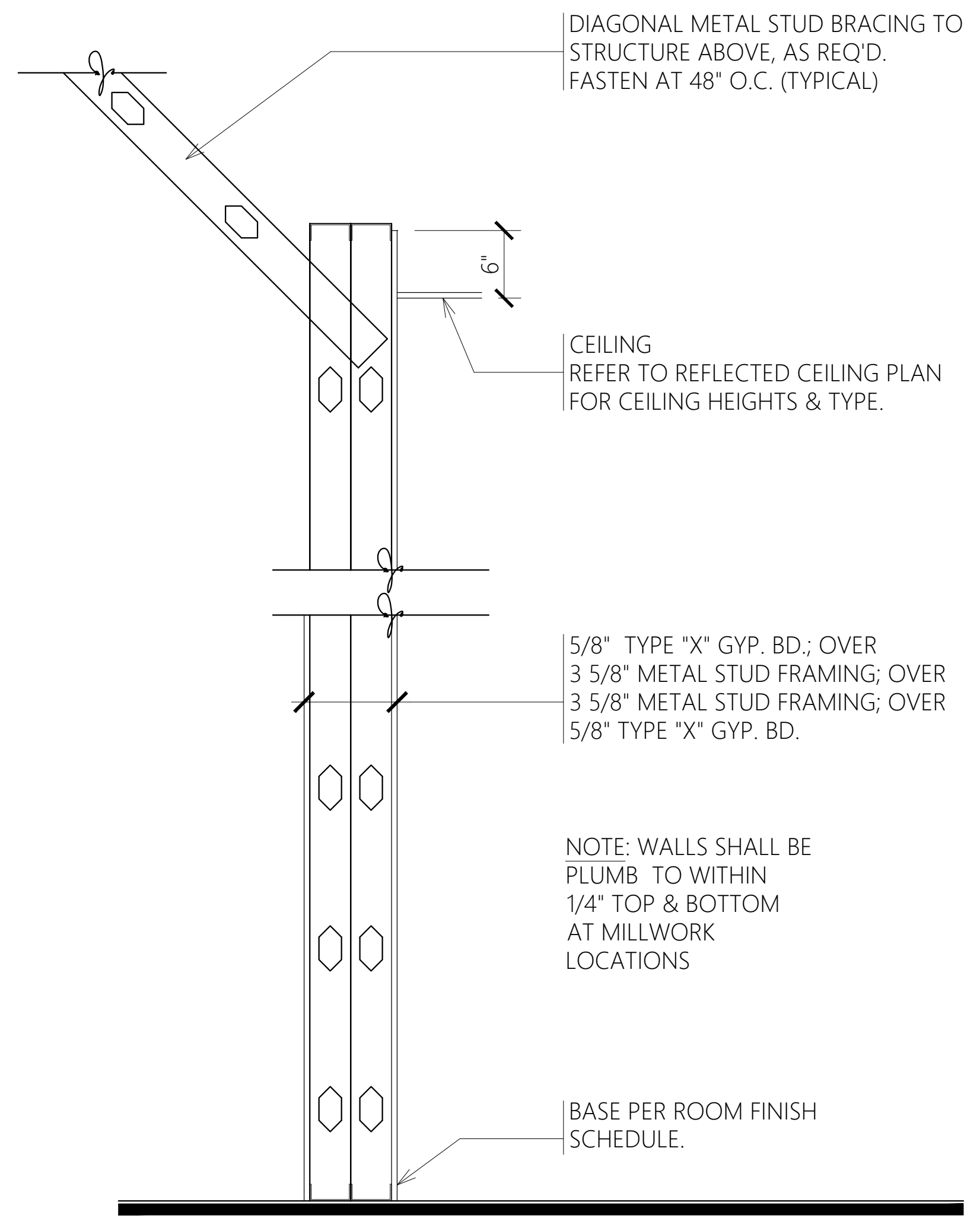
SCALE: 3/4"=1'-0" ONE-SIDE GYP. BD.

NOT USED


ATTACH METAL STUD RUNNER TO UNDERSIDE OF ROOF STRUCTURE. PROVIDE FIRE BARRIER SEALANT--DEPTH AS REQUIRED BY ASSEMBLY RATING
REFER REFLECTED CEILING PLAN FOR CEILING HEIGHTS
6" x 20 GA. METAL STUDS AT 16" O.C. w/ 5/8" TYPE "X" GYP. BD. BOTH SIDES EXTEND STUDS AND GYP. BD. TO UNDERSIDE OF DECK ABOVE U.L. DESIGN #U465
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
NOTE: ALL PENETRATIONS THROUGH WALL SHALL BE FIRE CAULKED TO MAINTAIN ONE HOUR FIRE RATING
BASE PER FINISH PLAN. REFER TO SHEET A103.

3 WALL SECTION

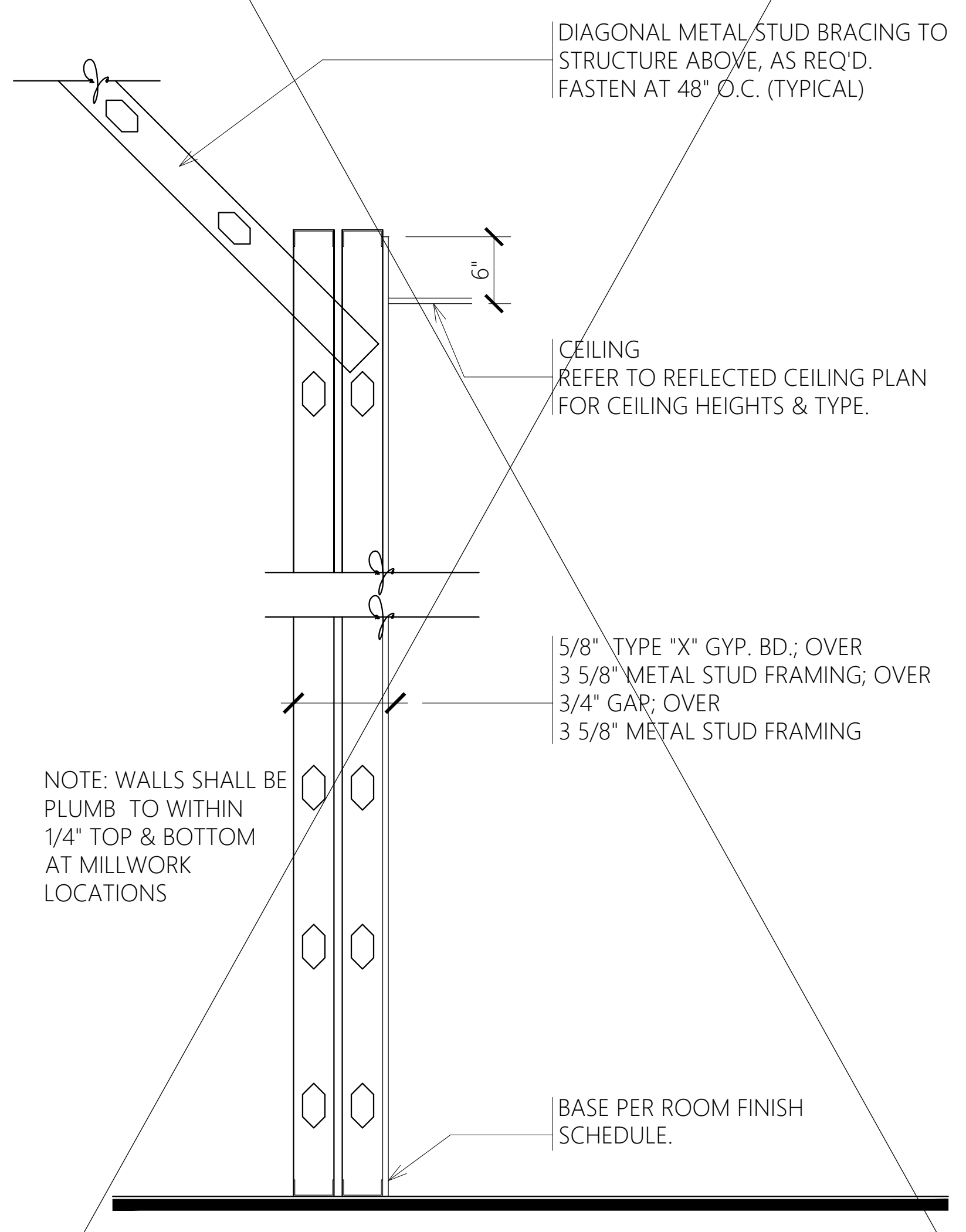
SCALE: 3/4"=1'-0" INTERIOR ONE HOUR RATED U.L. #U465


DIAGONAL METAL STUD BRACING TO STRUCTURE ABOVE, AS REQ'D. FASTEN AT 48" O.C. (TYPICAL)
6"
CEILING REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS & TYPE.
5/8" TYPE "X" GYP. BD.; OVER 3 5/8" METAL STUD FRAMING; OVER 3 5/8" METAL STUD FRAMING; OVER 5/8" TYPE "X" GYP. BD.
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
BASE PER ROOM FINISH SCHEDULE.

4 WALL SECTION

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

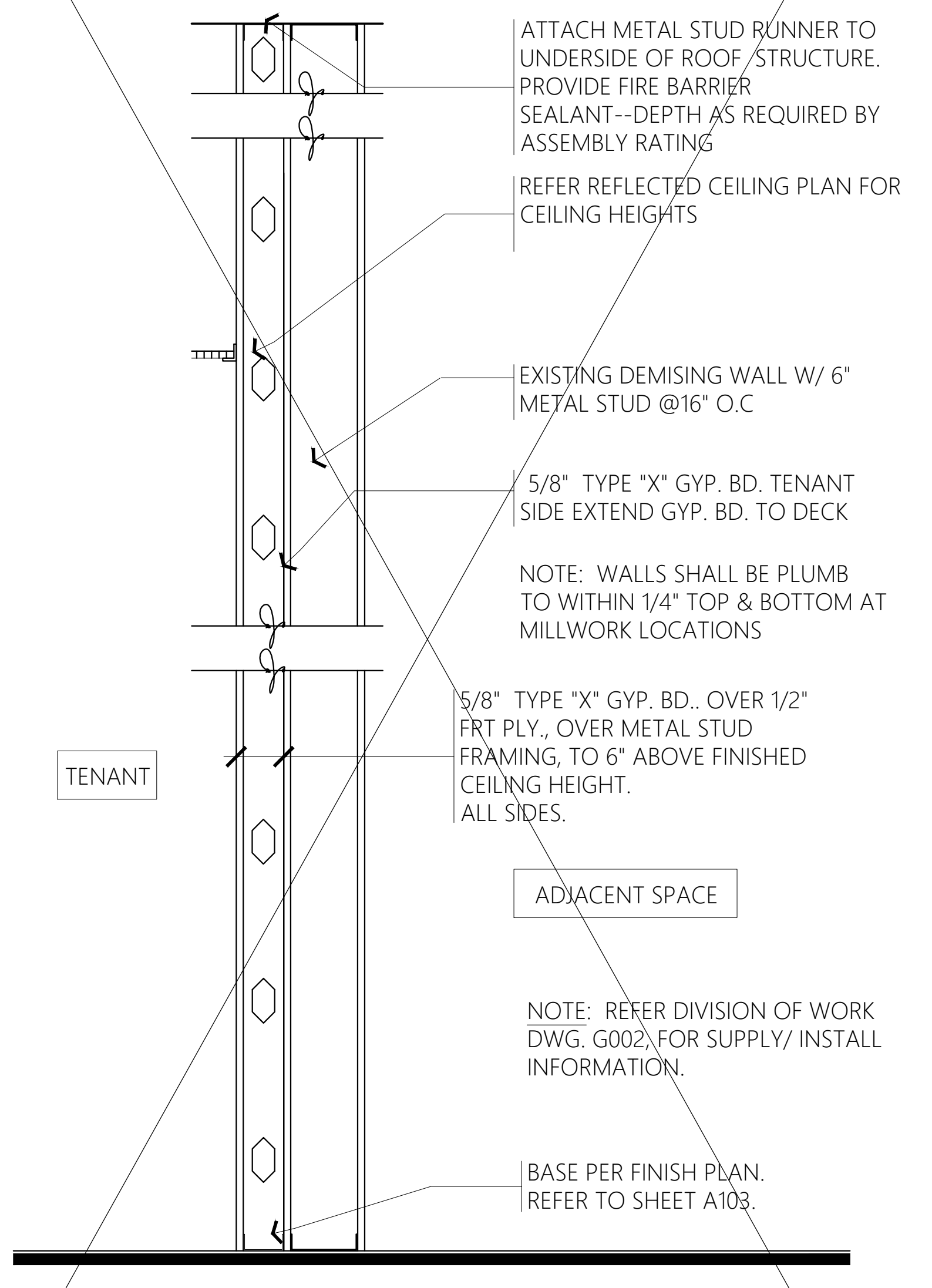
NOT USED


DIAGONAL METAL STUD BRACING TO STRUCTURE ABOVE, AS REQ'D. FASTEN AT 48" O.C. (TYPICAL)
6"
CEILING REFER TO REFLECTED CEILING PLAN FOR CEILING HEIGHTS & TYPE.
5/8" TYPE "X" GYP. BD.; OVER 3 5/8" METAL STUD FRAMING; OVER 3/4" GAP; OVER 3 5/8" METAL STUD FRAMING
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
BASE PER ROOM FINISH SCHEDULE.

5 WALL SECTION

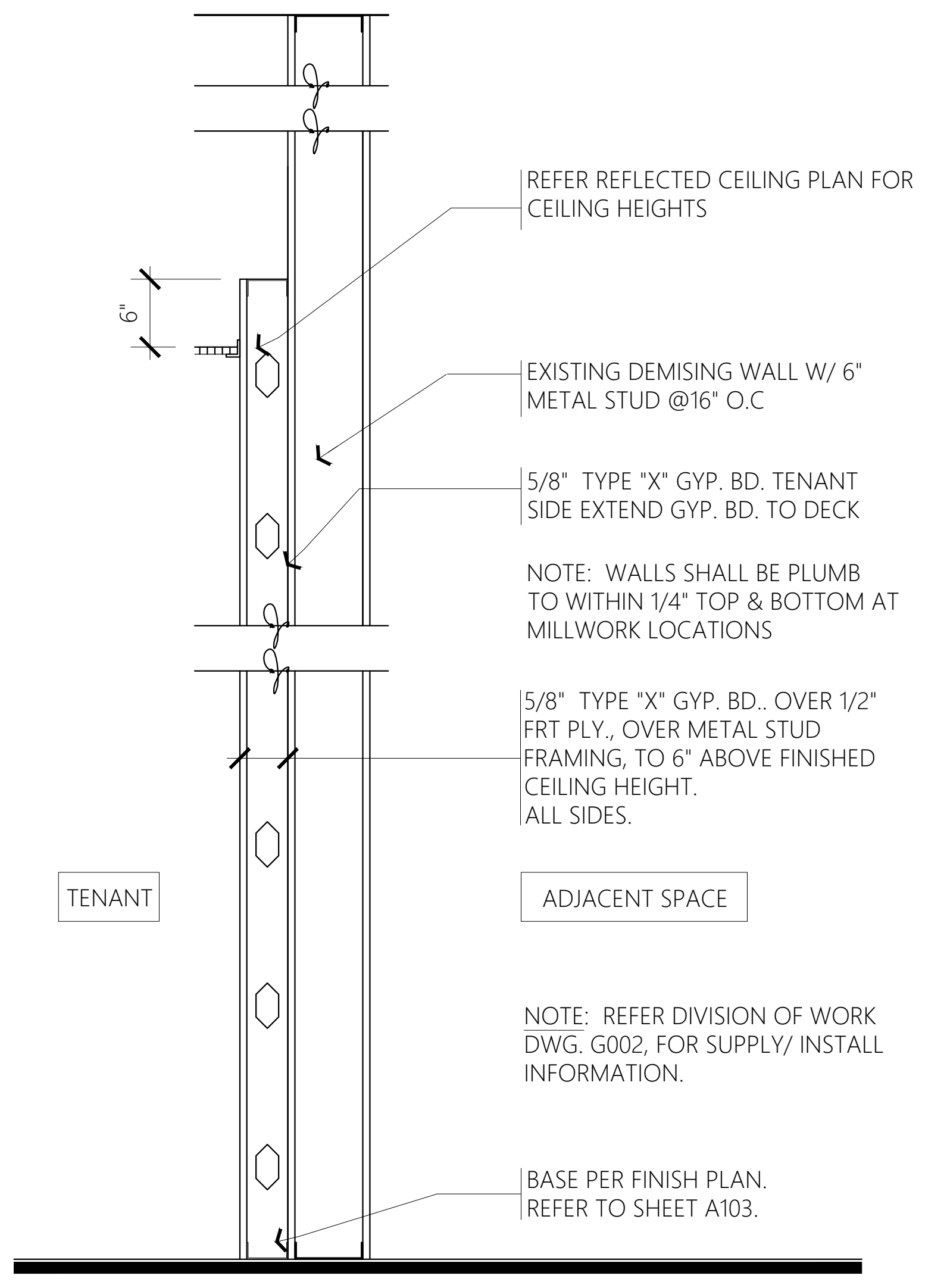
SCALE: 3/4"=1'-0" LED WALL

NOT USED


ATTACH METAL STUD RUNNER TO UNDERSIDE OF ROOF STRUCTURE. PROVIDE FIRE BARRIER SEALANT--DEPTH AS REQUIRED BY ASSEMBLY RATING
REFER REFLECTED CEILING PLAN FOR CEILING HEIGHTS
EXISTING DEMISING WALL W/ 6" METAL STUD @16" O.C
5/8" TYPE "X" GYP. BD. TENANT SIDE EXTEND GYP. BD. TO DECK
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
5/8" TYPE "X" GYP. BD.. OVER 1/2" FRT PLY., OVER METAL STUD FRAMING, TO 6" ABOVE FINISHED CEILING HEIGHT. ALL SIDES.
TENANT
ADJACENT SPACE
NOTE: REFER DIVISION OF WORK DWG. G002, FOR SUPPLY/ INSTALL INFORMATION.
BASE PER FINISH PLAN. REFER TO SHEET A103.

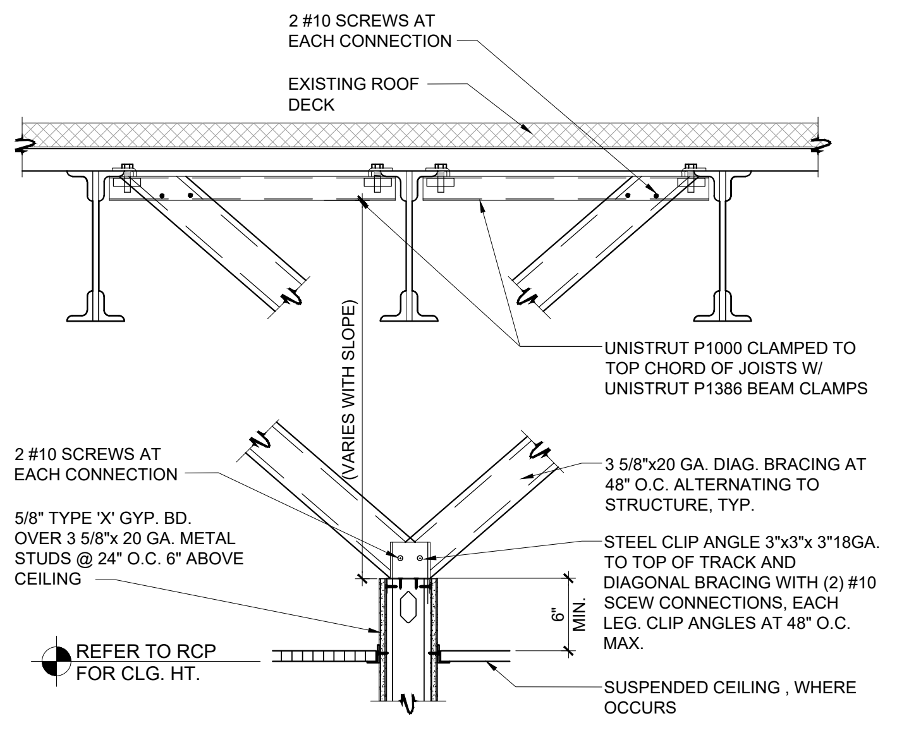
6 WALL SECTION

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


REFER REFLECTED CEILING PLAN FOR CEILING HEIGHTS
6"
EXISTING DEMISING WALL W/ 6" METAL STUD @16" O.C
5/8" TYPE "X" GYP. BD. TENANT SIDE EXTEND GYP. BD. TO DECK
NOTE: WALLS SHALL BE PLUMB TO WITHIN 1/4" TOP & BOTTOM AT MILLWORK LOCATIONS
5/8" TYPE "X" GYP. BD.. OVER 1/2" FRT PLY., OVER METAL STUD FRAMING, TO 6" ABOVE FINISHED CEILING HEIGHT. ALL SIDES.
TENANT
ADJACENT SPACE
NOTE: REFER DIVISION OF WORK DWG. G002, FOR SUPPLY/ INSTALL INFORMATION.
BASE PER FINISH PLAN. REFER TO SHEET A103.

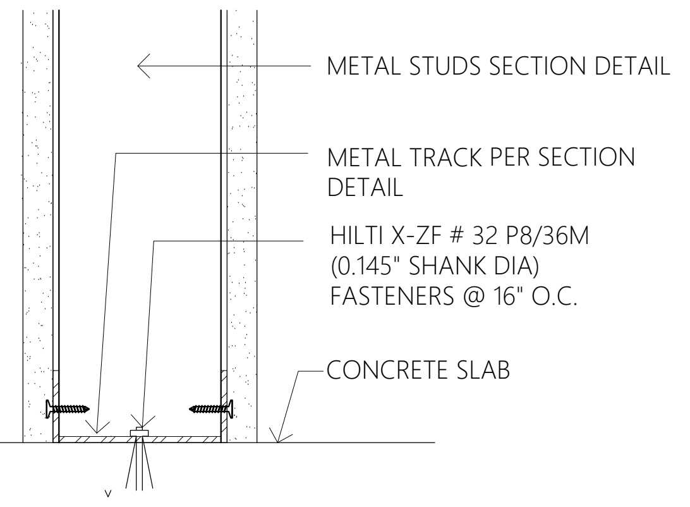
7 WALL SECTION

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


2 #10 SCREWS AT EACH CONNECTION
EXISTING ROOF DECK
UNISTRUT P1000 CLAMPED TO TOP CHORD OF JOISTS W/ UNISTRUT P1386 BEAM CLAMPS
(VARIES WITH SLOPE)
2 #10 SCREWS AT EACH CONNECTION
3 5/8"x20 GA. DIAG. BRACING AT 48" O.C. ALTERNATING TO STRUCTURE, TYP.
5/8" TYPE 'X' GYP. BD. OVER 3 5/8"x 20 GA. METAL STUDS @ 24" O.C. 6" ABOVE CEILING
STEEL CLIP ANGLE 3"x3"x 3"18GA. TO TOP OF TRACK AND DIAGONAL BRACING WITH (2) #10 SCEW CONNECTIONS, EACH LEG. CLIP ANGLES AT 48" O.C. MAX.
6" MIN.
REFER TO RCP FOR CLG. HT.
SUSPENDED CEILING , WHERE OCCURS

8 TRACK TO BRACE DETAIL

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


METAL STUDS SECTION DETAIL
METAL TRACK PER SECTION DETAIL
HILTI X-ZF # 32 P8/36M (0.145" SHANK DIA) FASTENERS @ 16" O.C.
CONCRETE SLAB

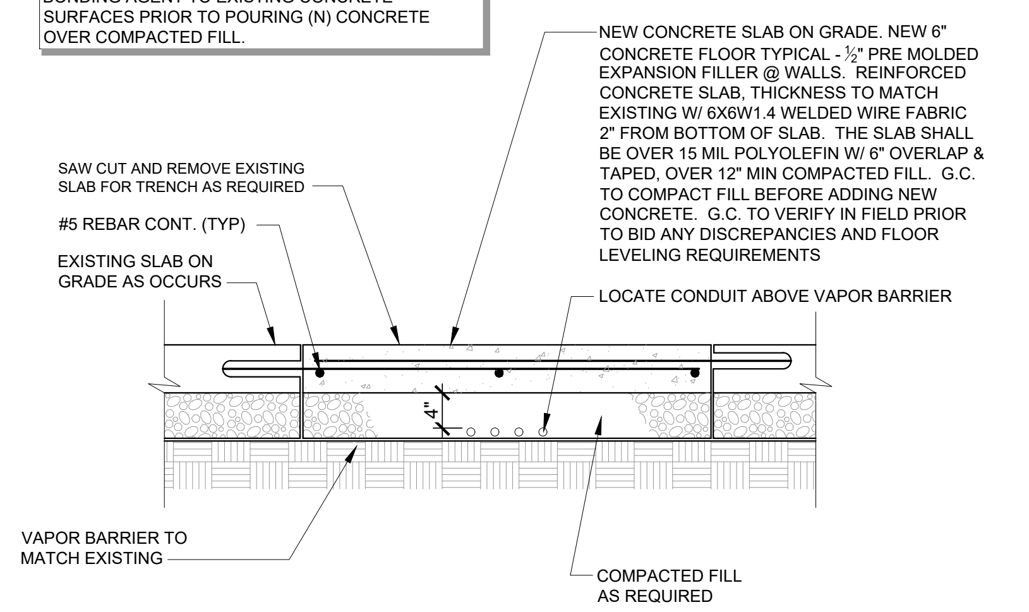
9 TRACK TO SLAB DETAIL

SCALE: 3"=1'-0"

G.C. NOTE:
G.C. SHALL KEEP TRENCHING TO A MINIMUM TO PROVIDE STUB-UPS FOR ALL FIXTURES.

PROVIDE CONTINUOUS SEPARATED CHEMICAL PEST BARRIER @ ALL DISTURBED AND EXPOSED SOIL PRIOR TO COVERING WITH CONCRETE & ABC FILL

G.C. NOTE: FOR TRENCHES 8" MAX. WIDTH, GC MAY ELIMINATE REBAR & DOWELS AND SHALL APPLY BONDING AGENT TO EXISTING CONCRETE SURFACES PRIOR TO POURING (N) CONCRETE OVER COMPACTED FILL.


NEW CONCRETE SLAB ON GRADE. NEW 6" CONCRETE FLOOR TYPICAL - ½" PRE MOLDED EXPANSION FILLER @ WALLS. REINFORCED CONCRETE SLAB, THICKNESS TO MATCH EXISTING W/ 6X6W1.4 WELDED WIRE FABRIC 2" FROM BOTTOM OF SLAB. THE SLAB SHALL BE OVER 15 MIL POLYOLEFIN W/ 6" OVERLAP & TAPED, OVER 12" MIN COMPACTED FILL. G.C. TO COMPACT FILL BEFORE ADDING NEW CONCRETE. G.C. TO VERIFY IN FIELD PRIOR TO BID ANY DISCREPANCIES AND FLOOR LEVELING REQUIREMENTS
SAW CUT AND REMOVE EXISTING SLAB FOR TRENCH AS REQUIRED
#5 REBAR CONT. (TYP)
EXISTING SLAB ON GRADE AS OCCURS
LOCATE CONDUIT ABOVE VAPOR BARRIER
4"
VAPOR BARRIER TO MATCH EXISTING
COMPACTED FILL AS REQUIRED

11 SAWCUT DETAIL

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

Metal Stud Size Schedule

SIZE	DESIGNATION	@ 16" O.C.	@ 24" O.C.
		SEE NOTES	
EXTERIOR AND LOAD BEARING STUDS			
2 1/2"	250S162-33	12'-6"	10'-9"
	250S162-33	13'-0"	11'-6"
	250S162-33	13'-10"	12'-0"
3 5/8"	362S162-33	16'-0"	13'-6"
	362S162-33	17'-3"	15'-0"
	362S162-33	17'-11"	15'-7"
	362S162-33	18'-6"	16'-9"
	362S162-43	19'-3"	-
	362S162-54	20'-0"	-
	362S162-68	22'-0"	-
6"	600S162-33	20'-0"	15'-0"
	600S162-33	25'-3"	22'-0"
	600S162-33	26'-1"	22'-10"
	600S162-33	26'-8"	23'-8"
	600S162-43	28'-0"	-
	600S162-54	30'-0"	-
	600S162-68	32'-0"	-
INTERIOR, NON-LOAD BEARING, AND FURRING STUDS			
1 5/8"	162S125-18	9'-6"	8'-3"
2 1/2"	250S162-18	12'-6"	10'-9"
	250S162-27	13'-0"	11'-6"
3 5/8"	362S162-18	16'-0"	13'-6"
	362S162-27	17'-3"	15'-0"
4"	400S162-18	17'-3"	14'-3"
	400S162-27	18'-6"	16'-3"
6"	600S162-18	20'-0"	15'-0"
	600S162-27	25'-3"	22'-0"

MILLS / GAUGE CONVERSION

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

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
- 4000 Luxottica Place, Mason, OH 45040
- 6 Creamery Brook, East Granby, CT 06026
- +1 (513) 765-6000
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Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
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51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
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ISSUED FOR:
☐ Construction

Title
SECTIONS
AND
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Date 10/01/21
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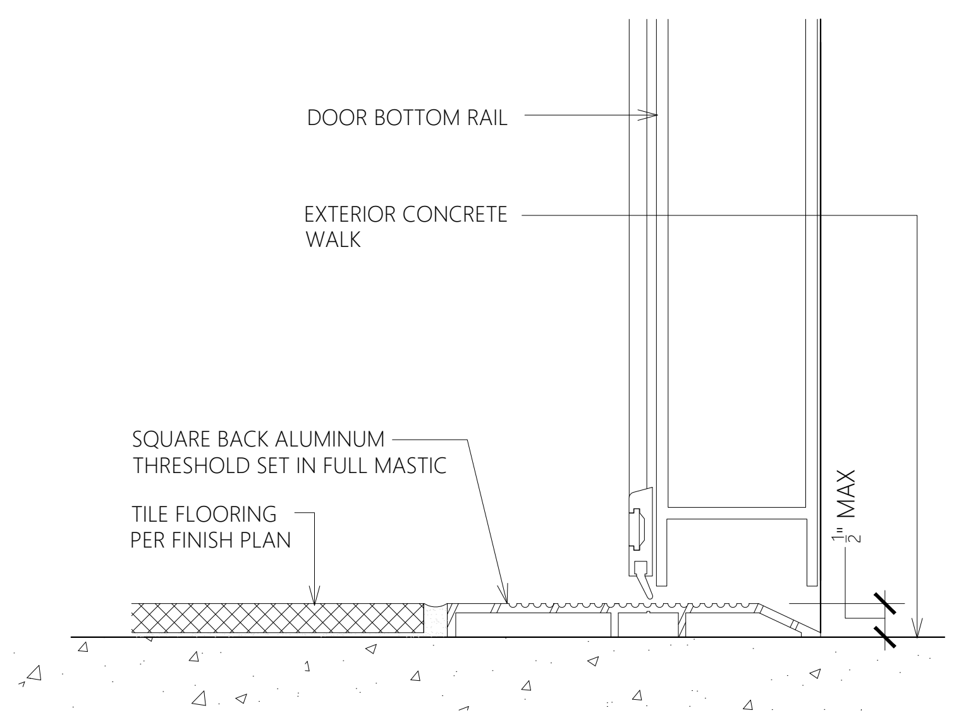
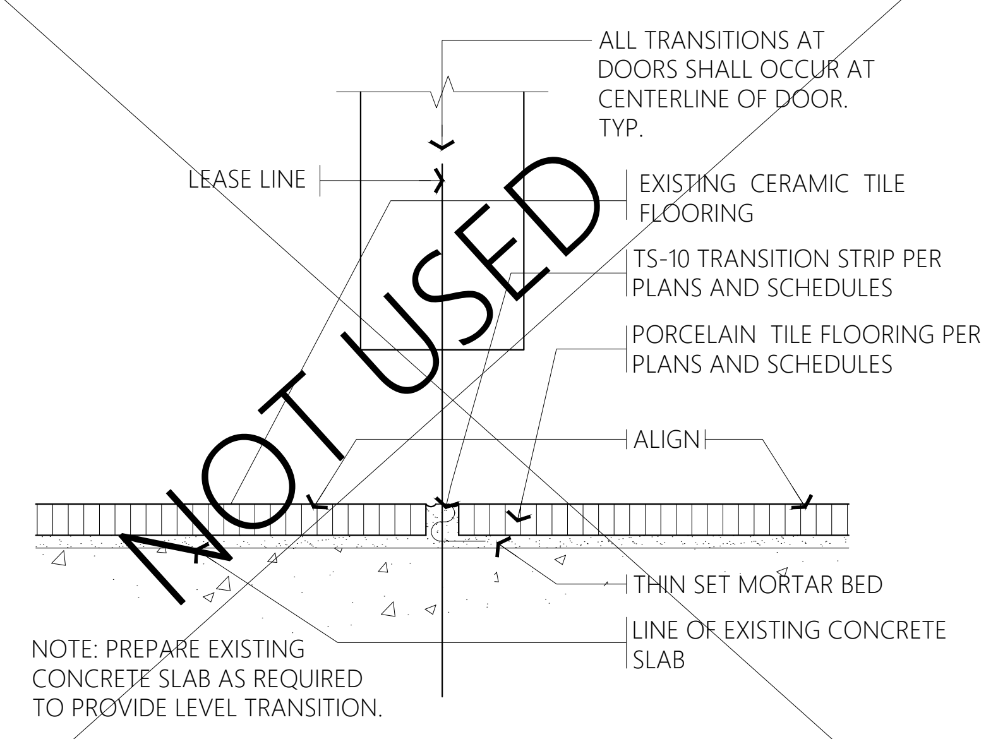

DOOR BOTTOM RAIL
EXTERIOR CONCRETE WALK
SQUARE BACK ALUMINUM THRESHOLD SET IN FULL MASTIC
TILE FLOORING PER FINISH PLAN
1/2" MAX

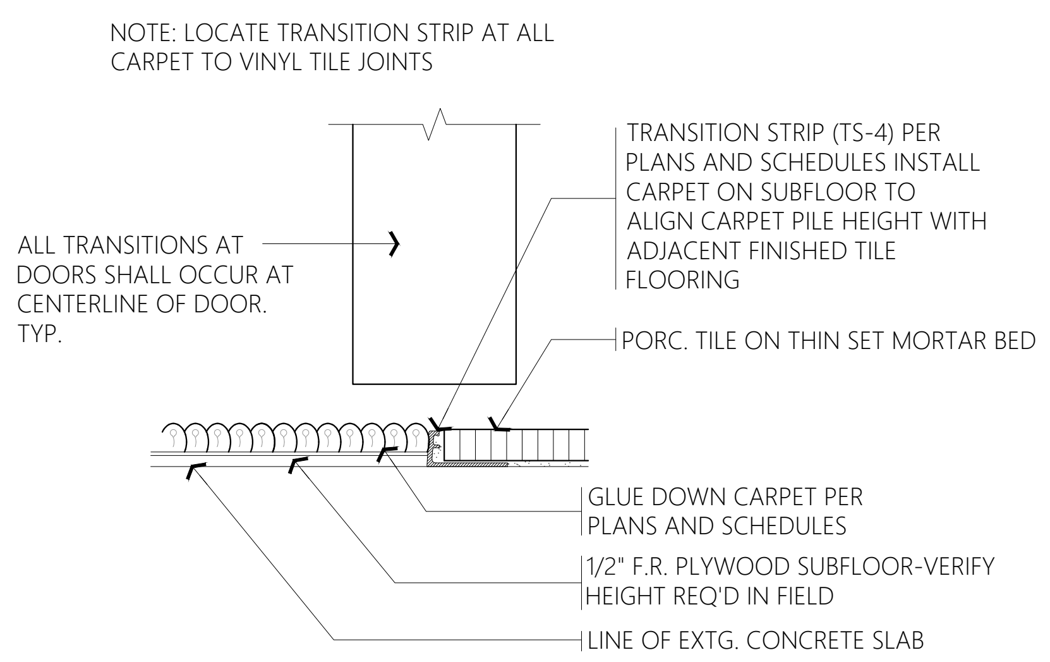
1 FLOOR TRANSITION DETAIL

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


NOT USED
ALL TRANSITIONS AT DOORS SHALL OCCUR AT CENTERLINE OF DOOR. TYP.
LEASE LINE
EXISTING CERAMIC TILE FLOORING
TS-10 TRANSITION STRIP PER PLANS AND SCHEDULES
PORCELAIN TILE FLOORING PER PLANS AND SCHEDULES
ALIGN
THIN SET MORTAR BED
LINE OF EXISTING CONCRETE SLAB
NOTE: PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO PROVIDE LEVEL TRANSITION.

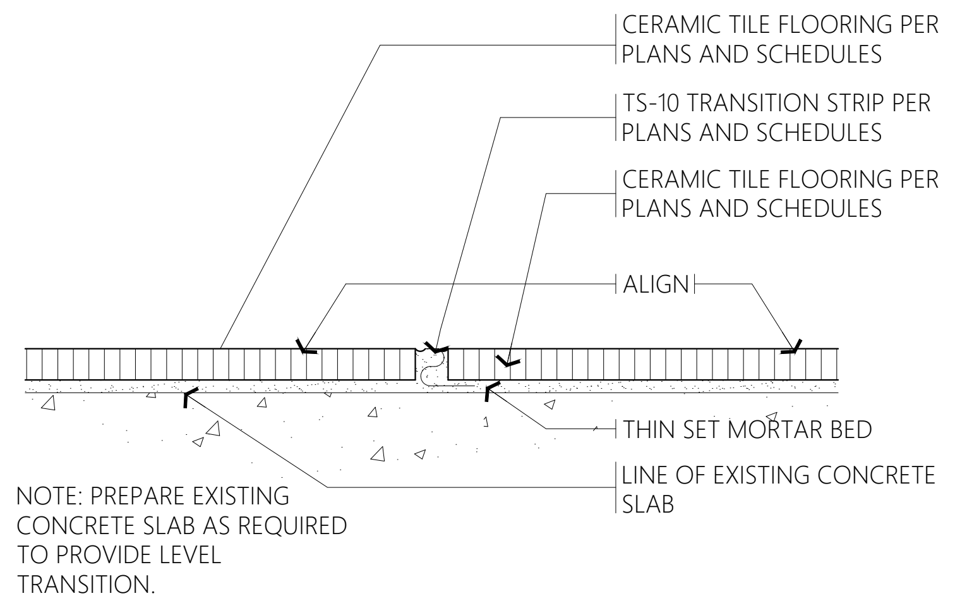
2 FLOOR TRANSITION DETAIL

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


NOTE: LOCATE TRANSITION STRIP AT ALL CARPET TO VINYL TILE JOINTS
ALL TRANSITIONS AT DOORS SHALL OCCUR AT CENTERLINE OF DOOR. TYP.
TRANSITION STRIP (TS-4) PER PLANS AND SCHEDULES INSTALL CARPET ON SUBFLOOR TO ALIGN CARPET PILE HEIGHT WITH ADJACENT FINISHED TILE FLOORING
PORC. TILE ON THIN SET MORTAR BED
GLUE DOWN CARPET PER PLANS AND SCHEDULES
1/2" F.R. PLYWOOD SUBFLOOR-VERIFY HEIGHT REQ'D IN FIELD
LINE OF EXTG. CONCRETE SLAB

3 FLOOR TRANSITION DETAIL

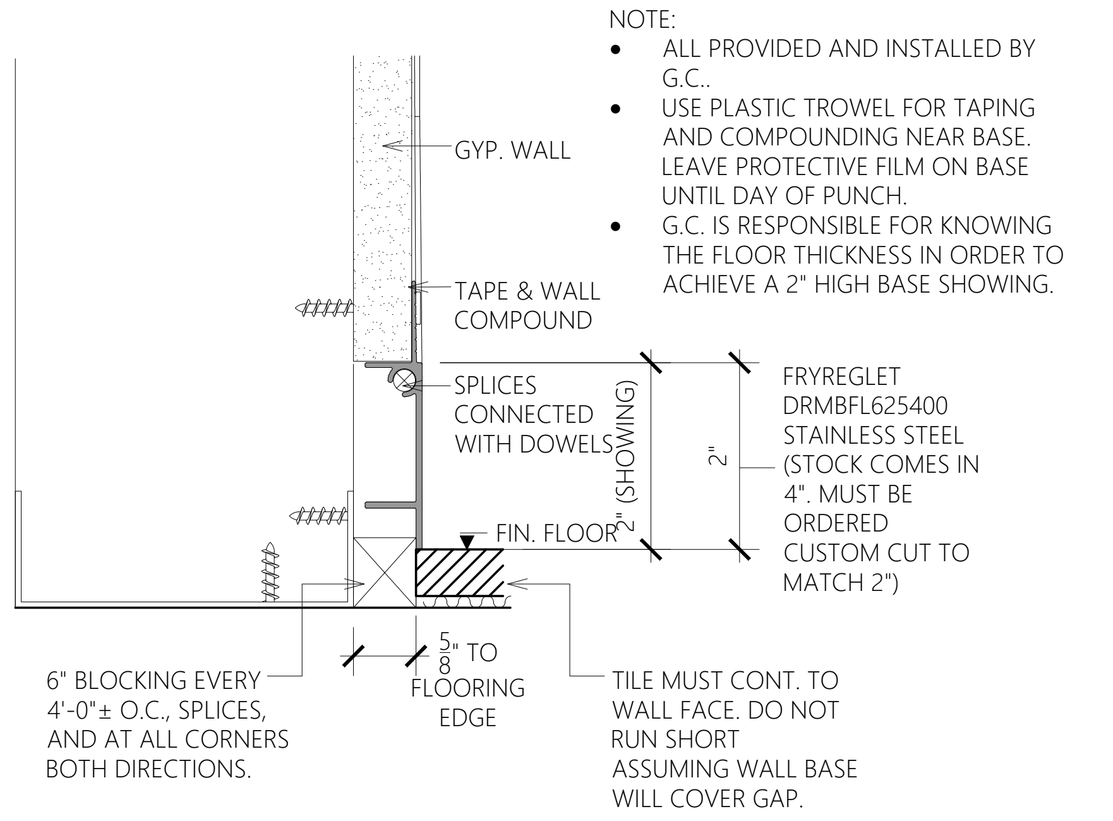
SCALE: HALF SIZE CARPET TO CERAMIC


CERAMIC TILE FLOORING PER PLANS AND SCHEDULES
TS-10 TRANSITION STRIP PER PLANS AND SCHEDULES
CERAMIC TILE FLOORING PER PLANS AND SCHEDULES
ALIGN
THIN SET MORTAR BED
LINE OF EXISTING CONCRETE SLAB
NOTE: PREPARE EXISTING CONCRETE SLAB AS REQUIRED TO PROVIDE LEVEL TRANSITION.

4 FLOOR TRANSITION DETAIL

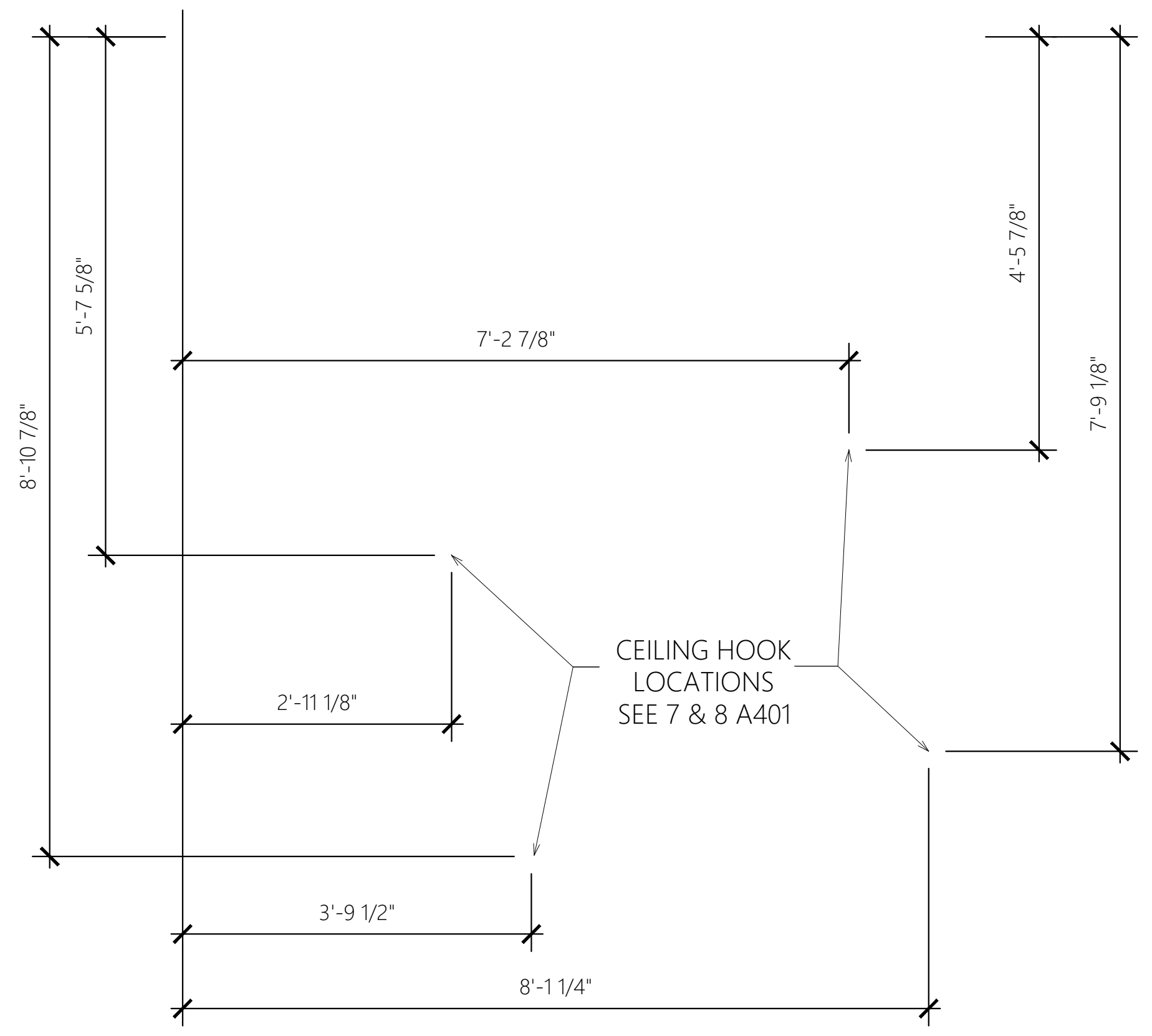
SCALE: HALF SIZE CERAMIC TO CERAMIC

NOTE:
- ALL PROVIDED AND INSTALLED BY G.C..
- USE PLASTIC TROWEL FOR TAPING AND COMPOUNDING NEAR BASE. LEAVE PROTECTIVE FILM ON BASE UNTIL DAY OF PUNCH.
- G.C. IS RESPONSIBLE FOR KNOWING THE FLOOR THICKNESS IN ORDER TO ACHIEVE A 2" HIGH BASE SHOWING.


GYP. WALL
TAPE & WALL COMPOUND
SPLICES CONNECTED WITH DOWELS
FIN. FLOOR
2" (SHOWING)
2"
FRYREGLET DRMBFL625400 STAINLESS STEEL (STOCK COMES IN 4". MUST BE ORDERED CUSTOM CUT TO MATCH 2")
6" BLOCKING EVERY 4'-0"± O.C., SPLICES, AND AT ALL CORNERS BOTH DIRECTIONS.
5/8" TO FLOORING EDGE
TILE MUST CONT. TO WALL FACE. DO NOT RUN SHORT ASSUMING WALL BASE WILL COVER GAP.

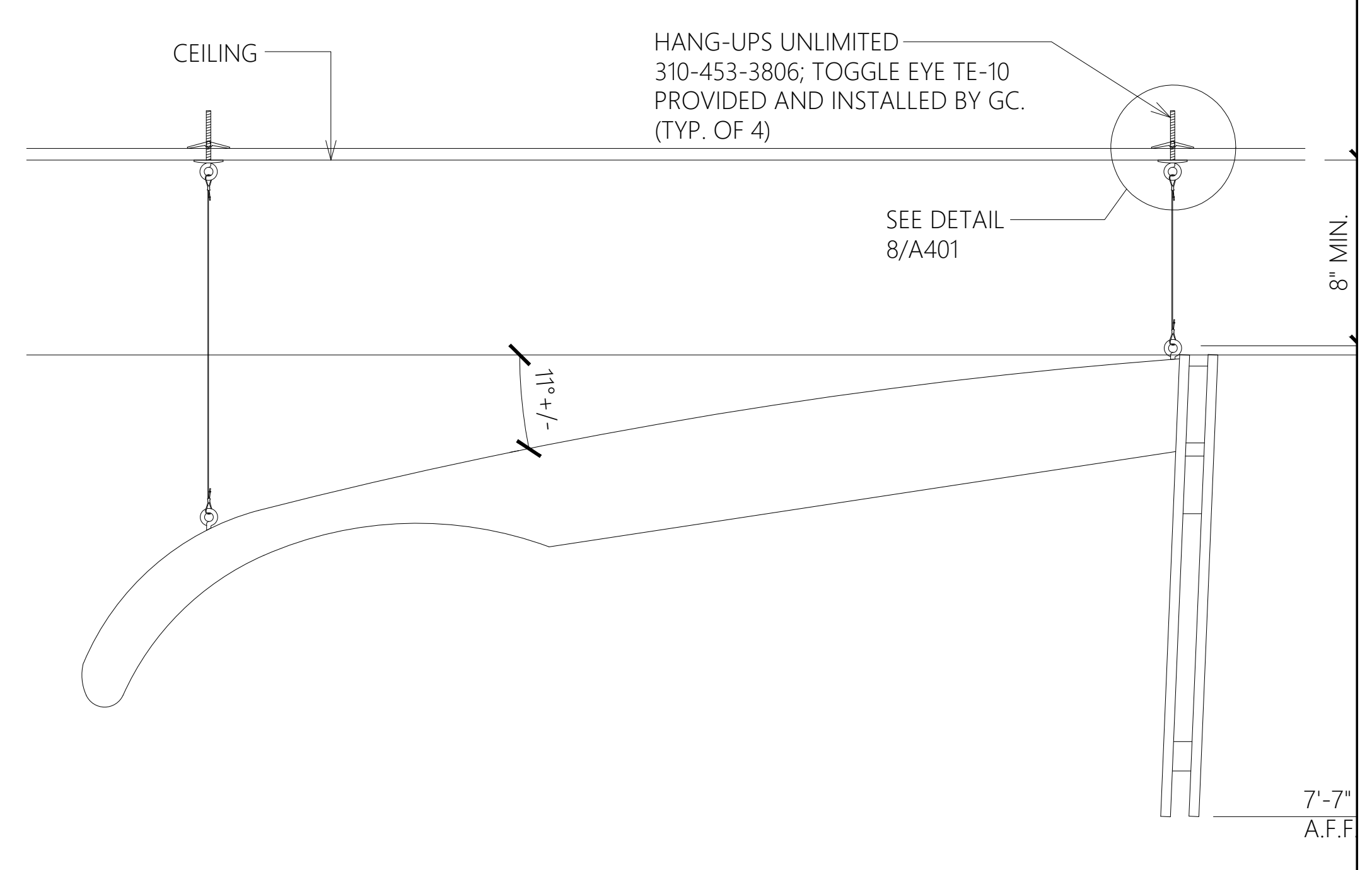
5 MWB-170 FLUSH WALL BASE

SCALE: 6" = 1'-0" LC06AUGNORM-MWB-170-REV00


5'-7 5/8"
8'-10 7/8"
7'-2 7/8"
4'-5 7/8"
7'-9 1/8"
CEILING HOOK LOCATIONS SEE 7 & 8 A401
2'-11 1/8"
3'-9 1/2"
8'-1 1/4"

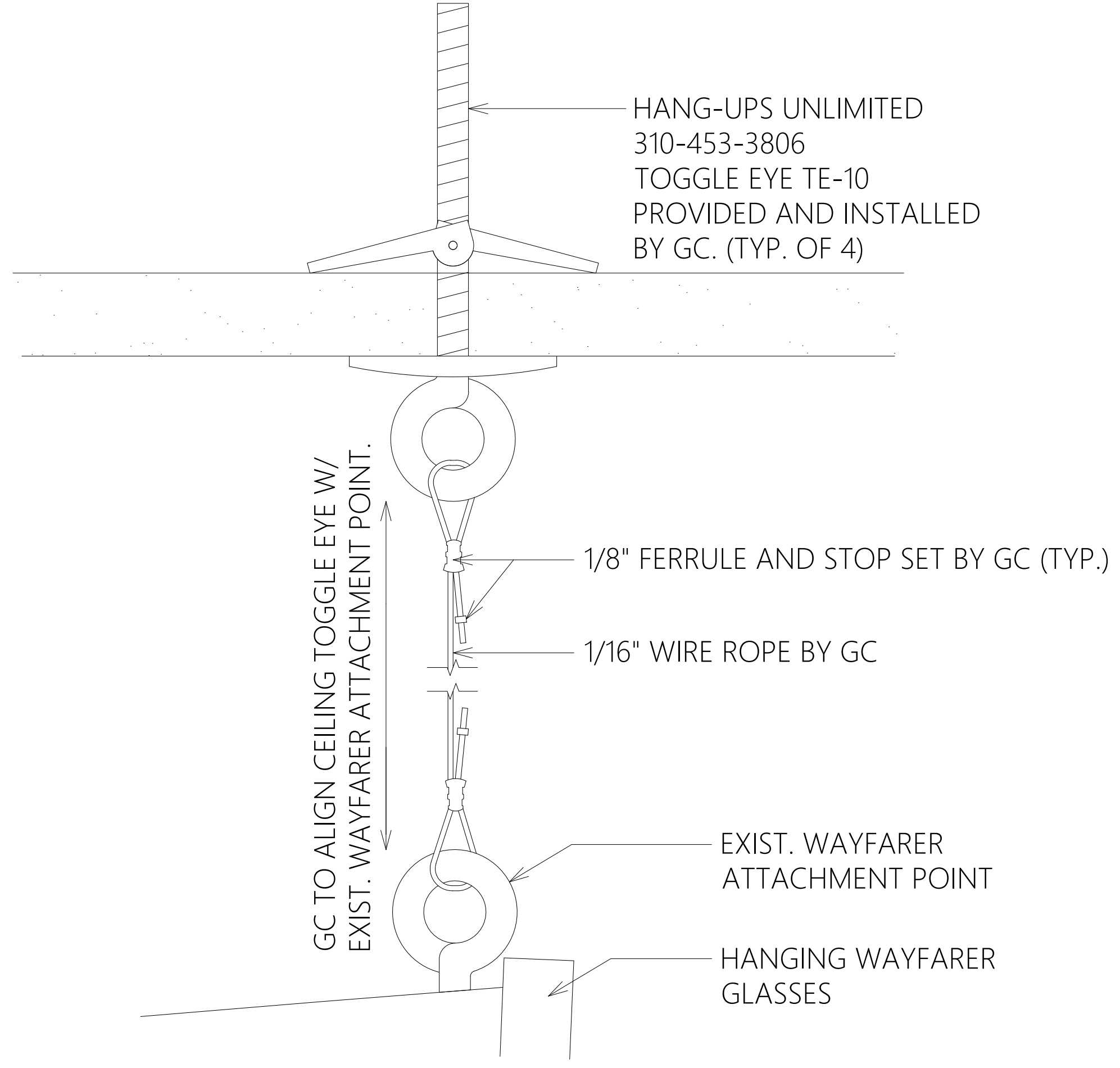
6 WAYFARER INSTALLTION

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


CEILING
HANG-UPS UNLIMITED 310-453-3806; TOGGLE EYE TE-10 PROVIDED AND INSTALLED BY GC. (TYP. OF 4)
SEE DETAIL 8/A401
8" MIN.
11°+/-
7'-7" A.F.F

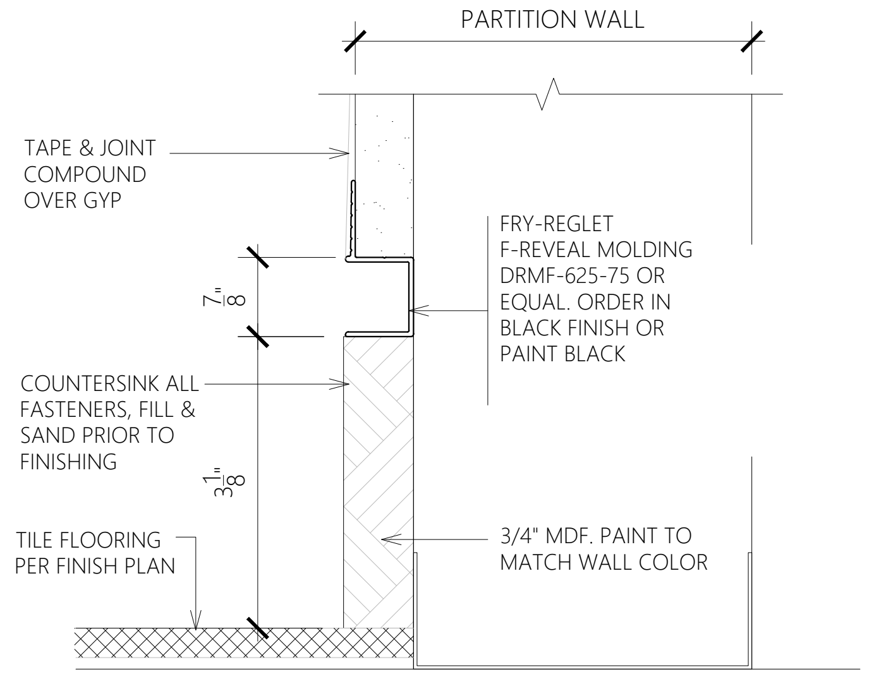
7 GLASSES WAYFARER DETAIL

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


HANG-UPS UNLIMITED 310-453-3806 TOGGLE EYE TE-10 PROVIDED AND INSTALLED BY GC. (TYP. OF 4)
GC TO ALIGN CEILING TOGGLE EYE W/ EXIST. WAYFARER ATTACHMENT POINT.
1/8" FERRULE AND STOP SET BY GC (TYP.)
1/16" WIRE ROPE BY GC
EXIST. WAYFARER ATTACHMENT POINT
HANGING WAYFARER GLASSES

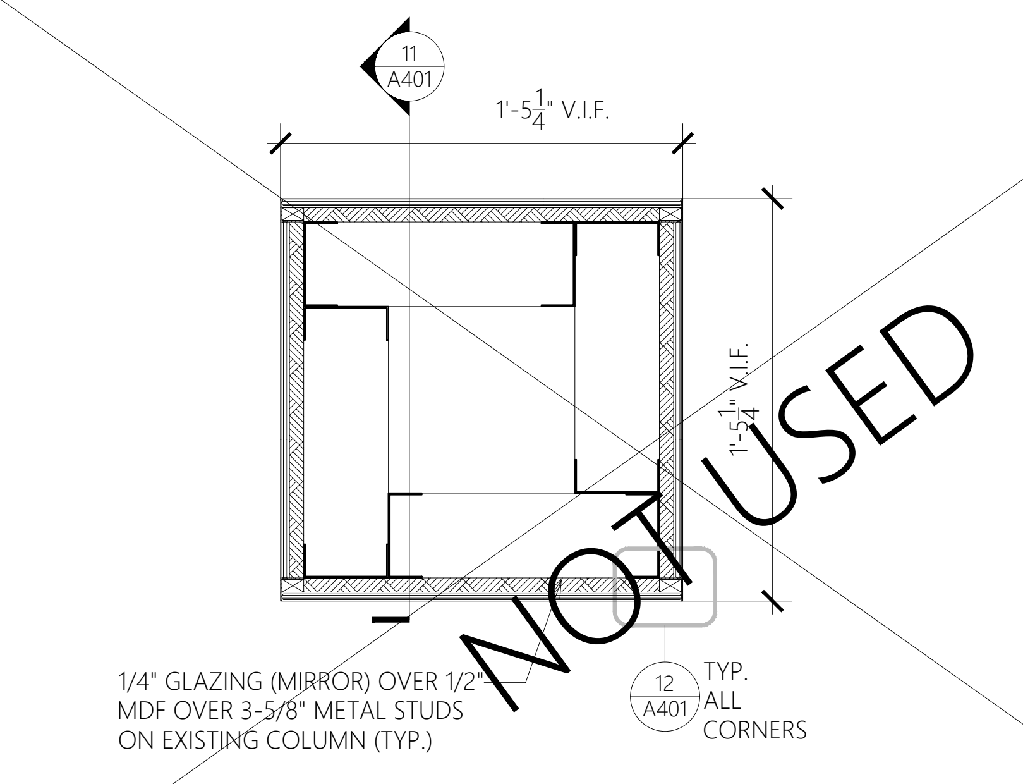
8 WAYFARER SUSPENSION DETAIL

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


PARTITION WALL
TAPE & JOINT COMPOUND OVER GYP
7/8"
FRY-REGLET F-REVEAL MOLDING DRMF-625-75 OR EQUAL. ORDER IN BLACK FINISH OR PAINT BLACK
COUNTERSINK ALL FASTENERS, FILL & SAND PRIOR TO FINISHING
3 1/8"
TILE FLOORING PER FINISH PLAN
3/4" MDF. PAINT TO MATCH WALL COLOR

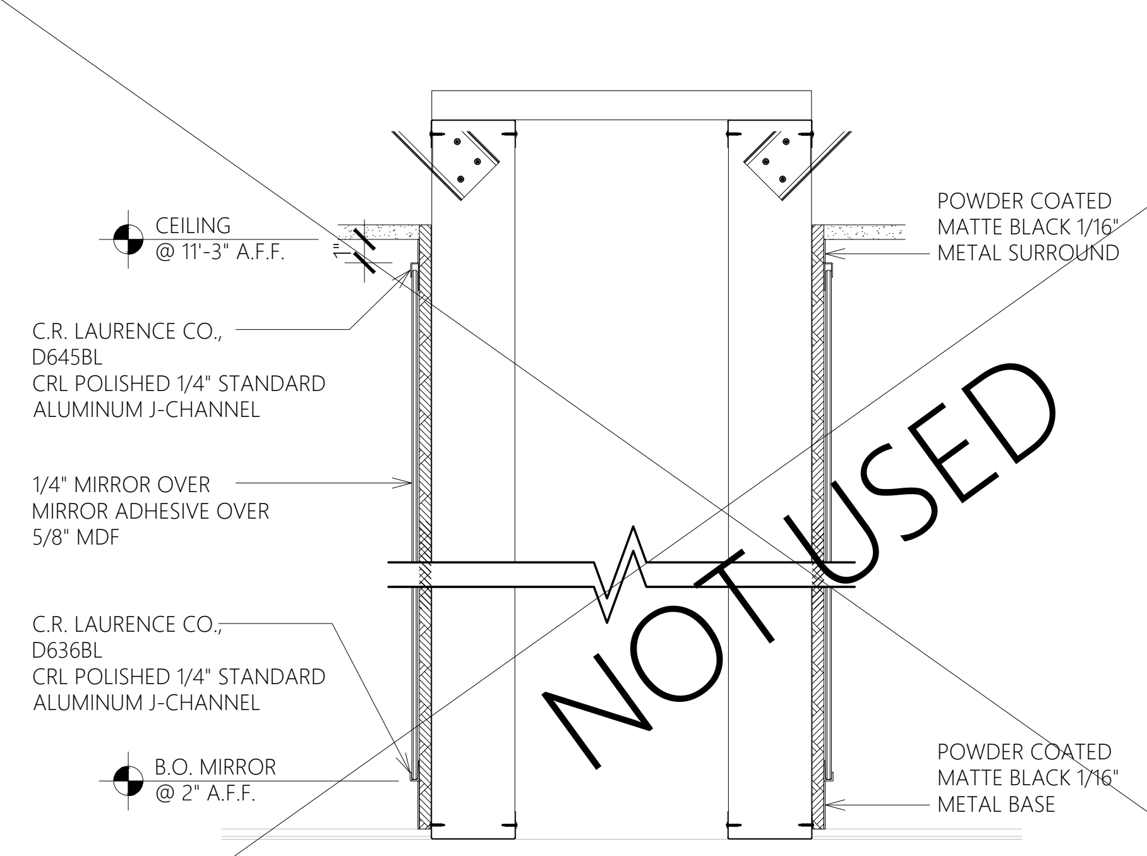
9 PARTITION WALL - WALL BASE

SCALE: 6" = 1'-0"


NOT USED
11 A401
1'-5 1/4" V.I.F.
1'-5 1/4" V.I.F.
1/4" GLAZING (MIRROR) OVER 1/2" MDF OVER 3-5/8" METAL STUDS ON EXISTING COLUMN (TYP.)
12 A401
TYP. ALL CORNERS

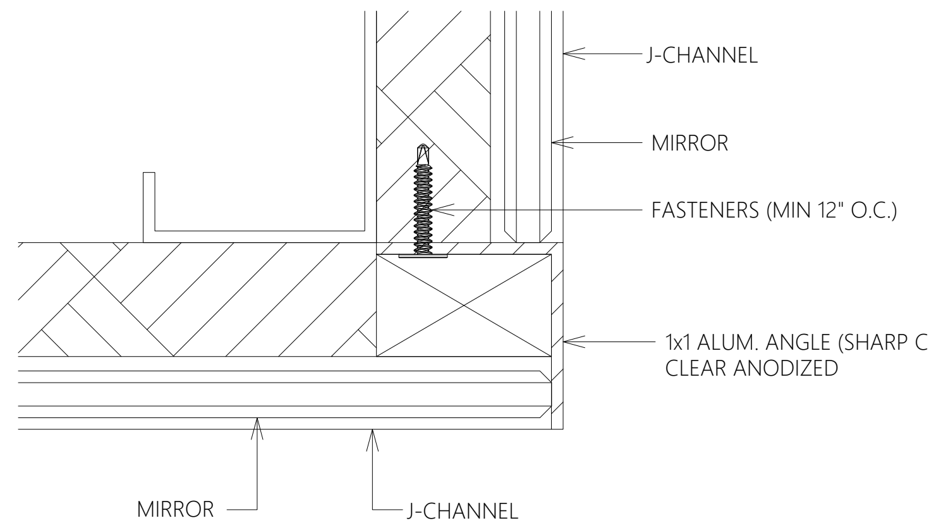
10 COLUMN ENCLOSURE SECTION

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


NOT USED
CEILING @ 11'-3" A.F.F.
C.R. LAURENCE CO., D645BL CRL POLISHED 1/4" STANDARD ALUMINUM J-CHANNEL
1/4" MIRROR OVER MIRROR ADHESIVE OVER 5/8" MDF
C.R. LAURENCE CO., D636BL CRL POLISHED 1/4" STANDARD ALUMINUM J-CHANNEL
B.O. MIRROR @ 2" A.F.F.
POWDER COATED MATTE BLACK 1/16" METAL SURROUND
POWDER COATED MATTE BLACK 1/16" METAL BASE

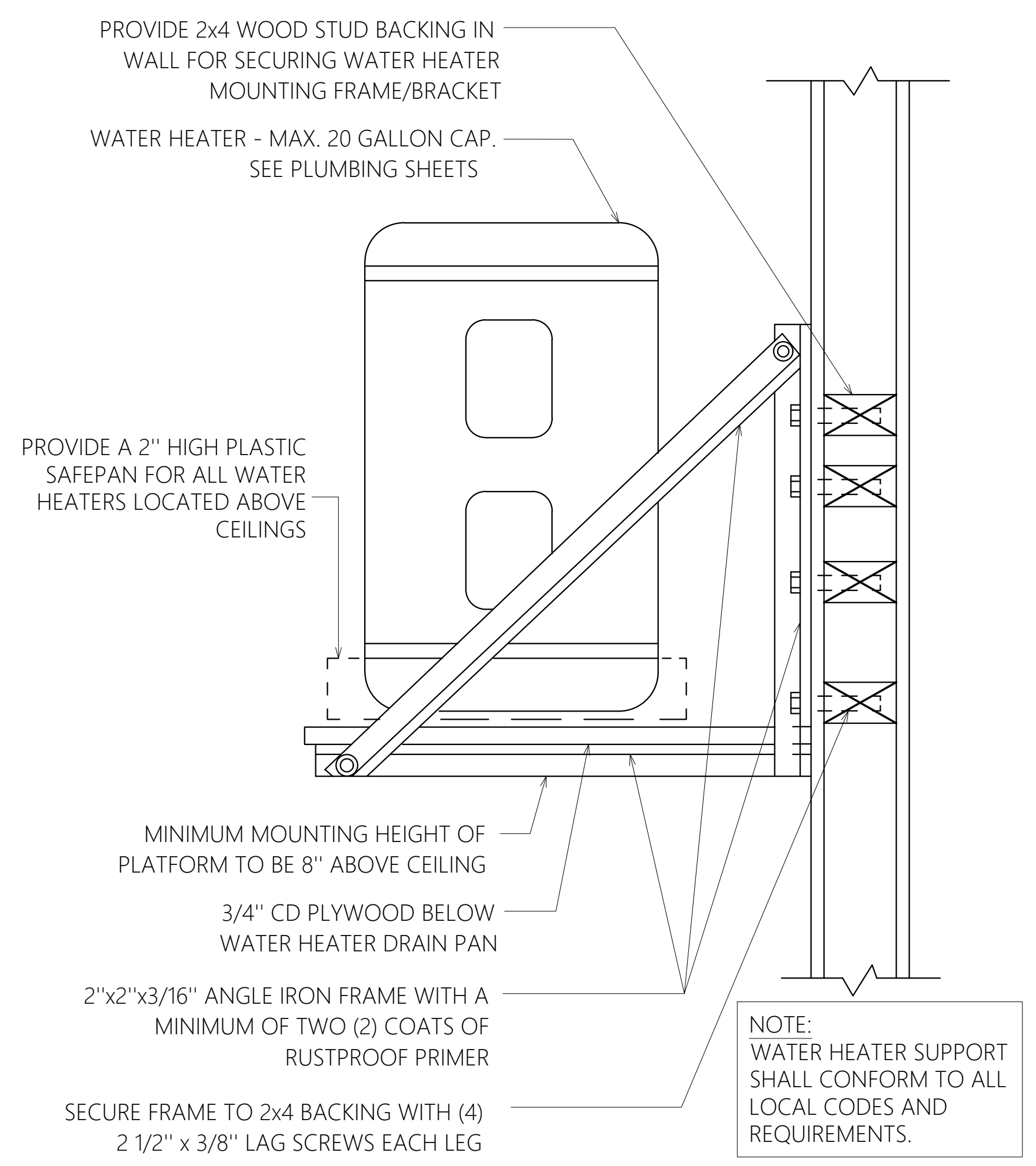
11 SECTION

SCALE: 1 1/2" = 1'-0" INTERIOR MIRRORED COLUMN ENCLOSURE


J-CHANNEL
MIRROR
FASTENERS (MIN 12" O.C.)
1x1 ALUM. ANGLE (SHARP CORNER) CLEAR ANODIZED
MIRROR
J-CHANNEL

12 DETAIL

SCALE: 12" = 1'-0" INTERIOR MIRRORED COLUMN ENCLOSURE


PROVIDE 2x4 WOOD STUD BACKING IN WALL FOR SECURING WATER HEATER MOUNTING FRAME/BRACKET
WATER HEATER - MAX. 20 GALLON CAP. SEE PLUMBING SHEETS
PROVIDE A 2'' HIGH PLASTIC SAFEPAN FOR ALL WATER HEATERS LOCATED ABOVE CEILINGS
MINIMUM MOUNTING HEIGHT OF PLATFORM TO BE 8'' ABOVE CEILING
3/4'' CD PLYWOOD BELOW WATER HEATER DRAIN PAN
2''x2''x3/16'' ANGLE IRON FRAME WITH A MINIMUM OF TWO (2) COATS OF RUSTPROOF PRIMER
SECURE FRAME TO 2x4 BACKING WITH (4) 2 1/2'' x 3/8'' LAG SCREWS EACH LEG

NOTE:
WATER HEATER SUPPORT SHALL CONFORM TO ALL LOCAL CODES AND REQUIREMENTS.

13 WATER HEATER SUPPORT DETAIL

SCALE: N.T.S.

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
NUMBER A-2021518
Amy Sjursen 1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

Nextore project Number 84169

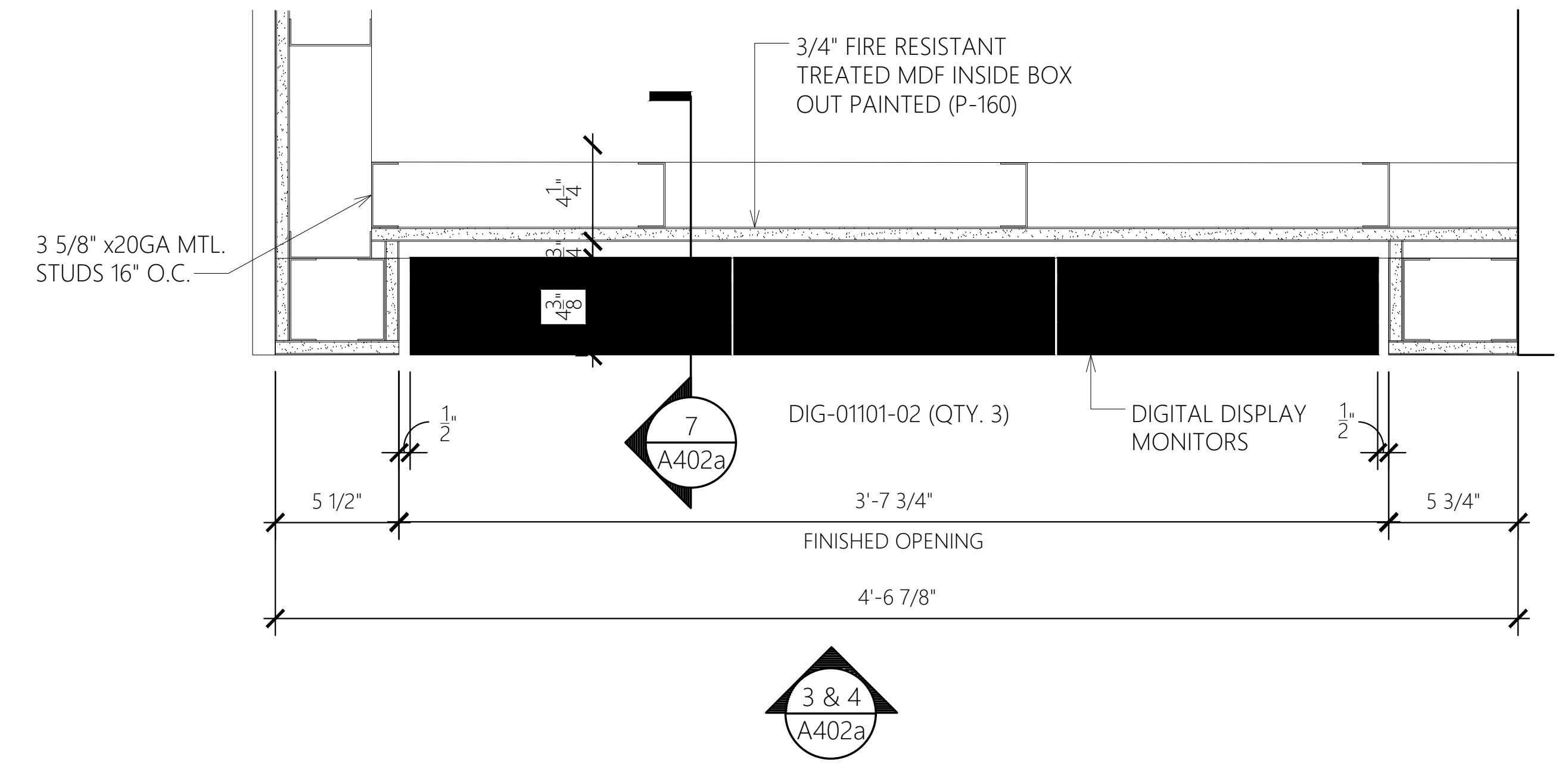
Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

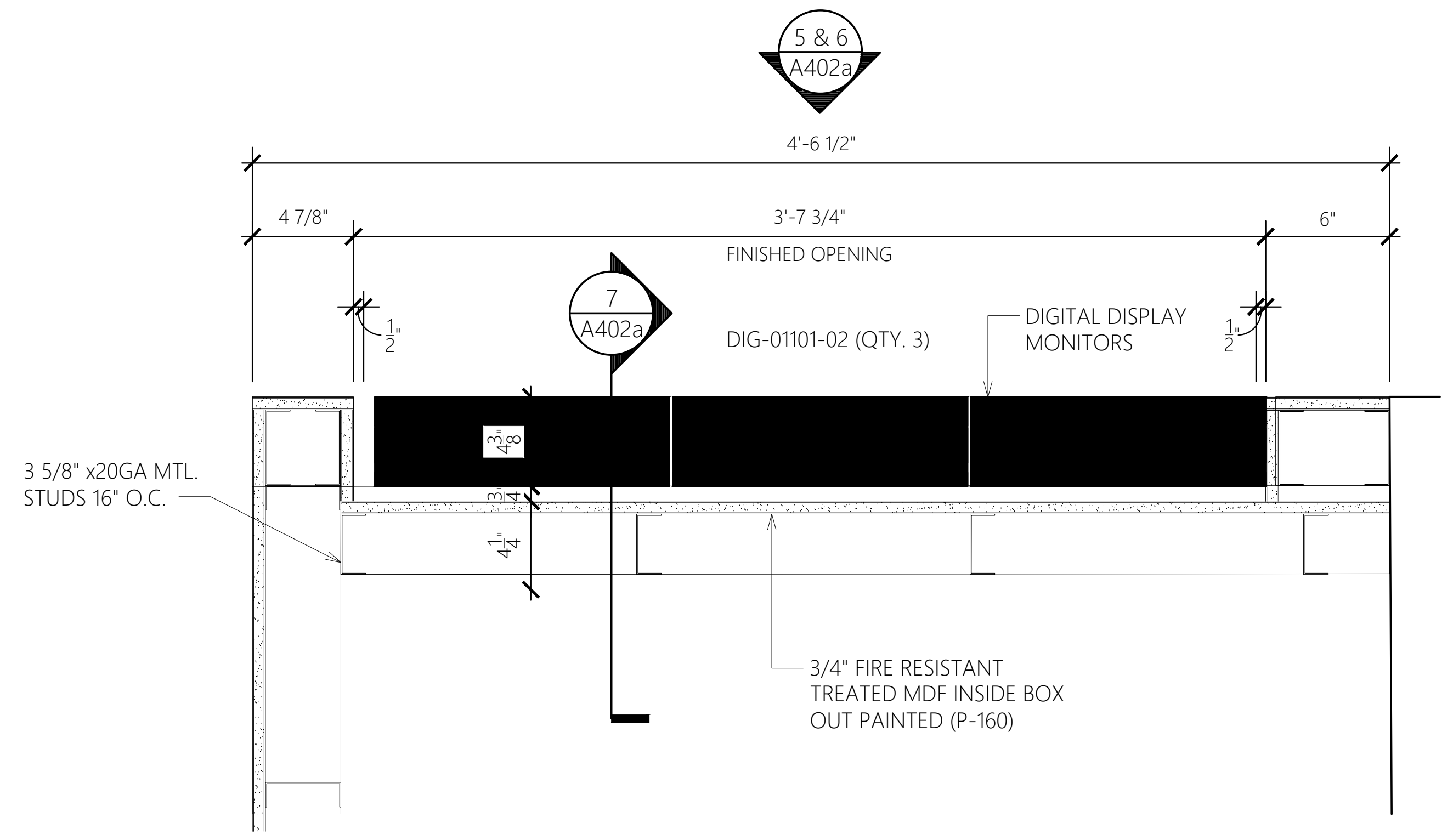
Title
SECTIONS
AND
DETAILS

Date 10/01/21
Drawn By STAFF
Checked By JHM

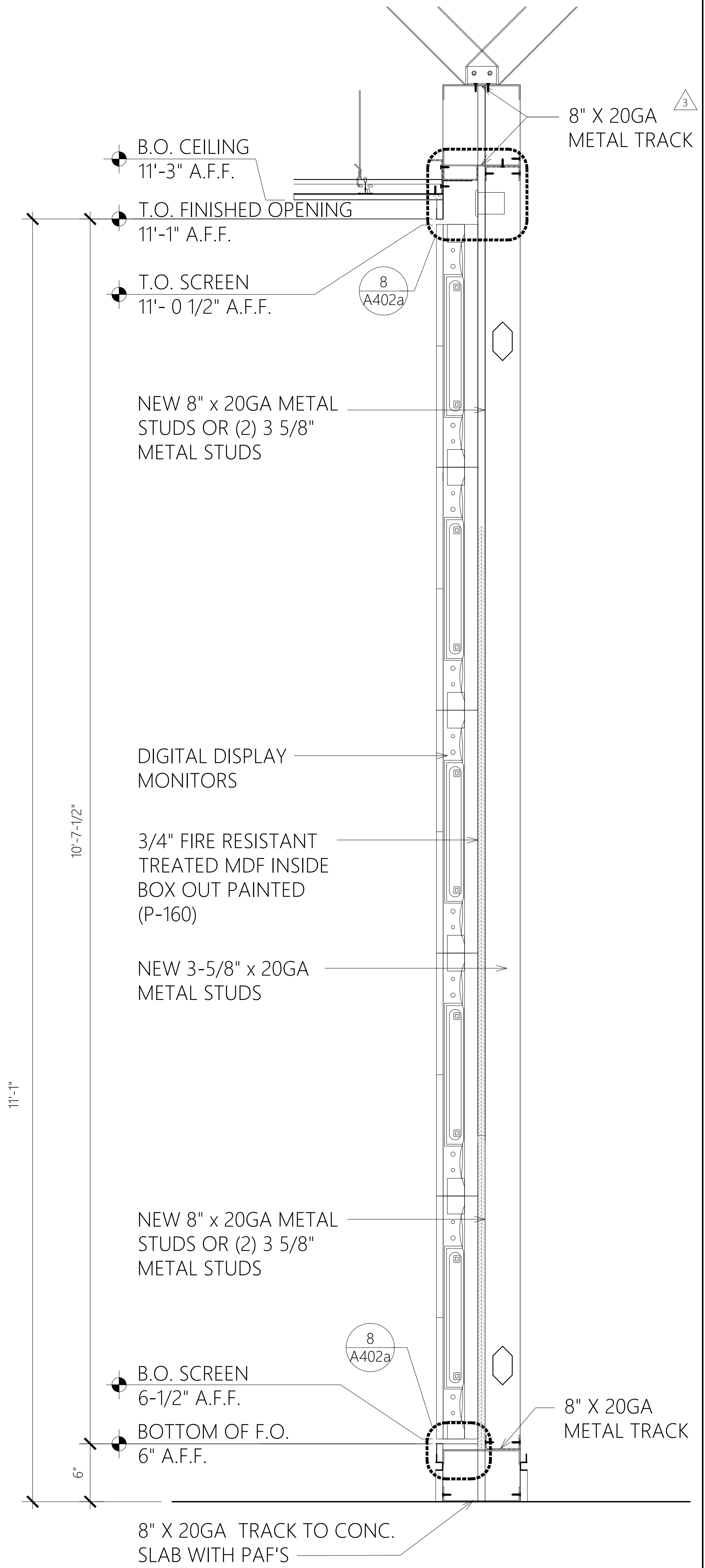
Sheet A401

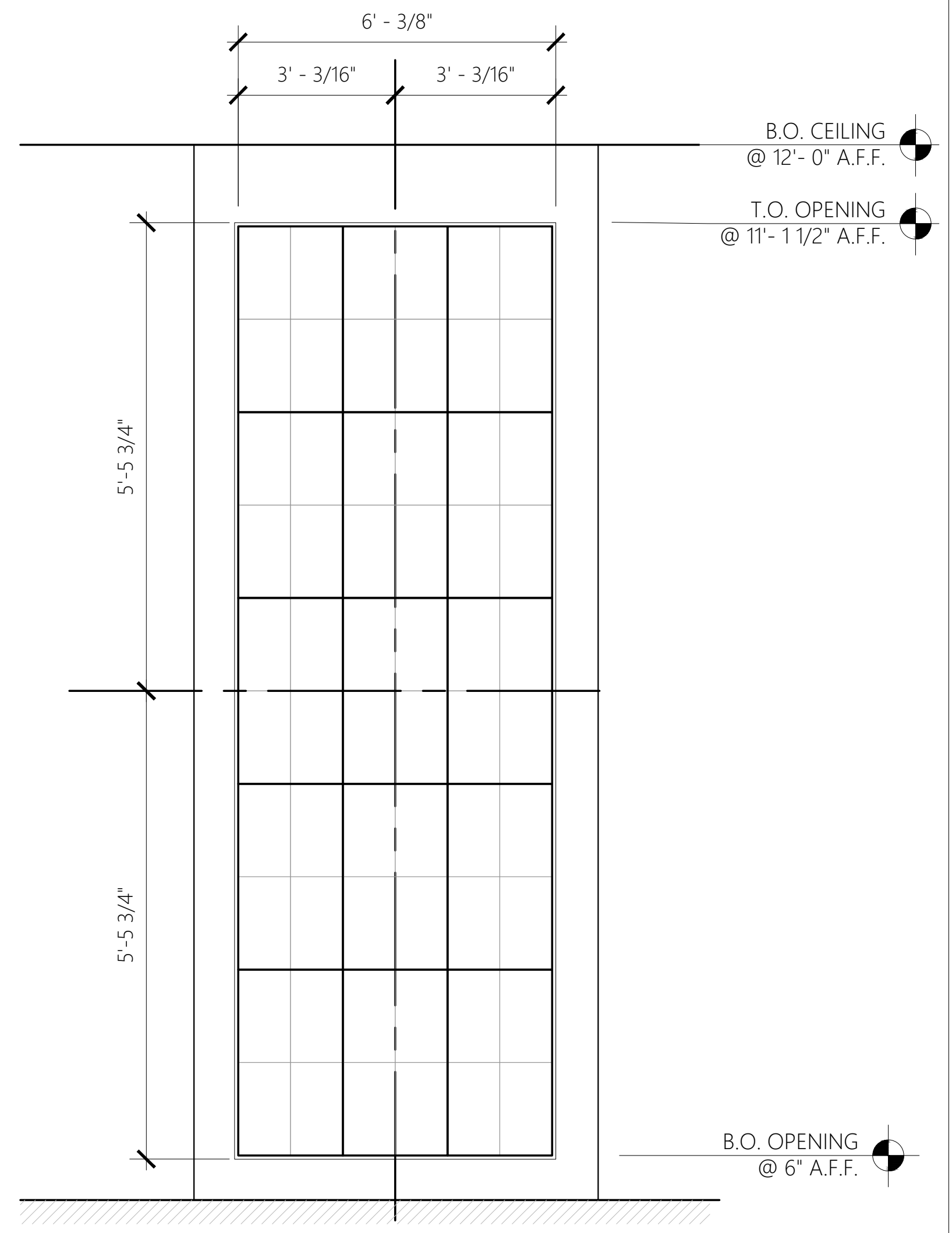

3/4" FIRE RESISTANT TREATED MDF INSIDE BOX OUT PAINTED (P-160)
3 5/8" x20GA MTL. STUDS 16" O.C.
4 1/4"
3/4"
4 3/8"
7
A402a
DIG-01101-02 (QTY. 3)
DIGITAL DISPLAY MONITORS
1/2"
1/2"
5 1/2"
3'-7 3/4"
5 3/4"
FINISHED OPENING
4'-6 7/8"
3 & 4
A402a

1 5 x 3 VERTICAL LED - PLAN SECTION
SCALE: 1 1/2" = 1'-0"

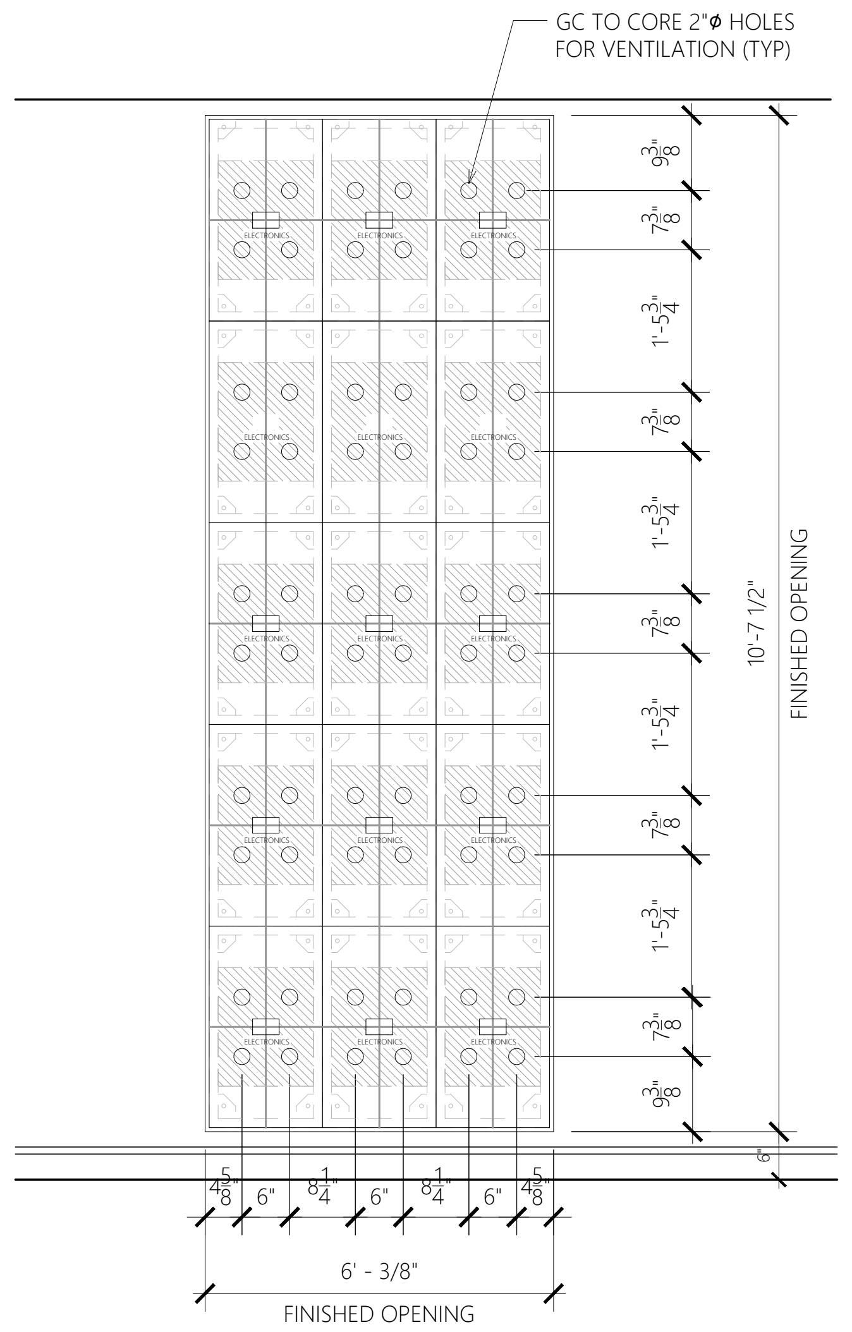

5 & 6
A402a
4'-6 1/2"
4 7/8"
3'-7 3/4"
6"
FINISHED OPENING
7
A402a
DIG-01101-02 (QTY. 3)
DIGITAL DISPLAY MONITORS
1/2"
1/2"
3 5/8" x20GA MTL. STUDS 16" O.C.
4 1/4"
3/4" FIRE RESISTANT TREATED MDF INSIDE BOX OUT PAINTED (P-160)

2 5 x 3 VERTICAL LED - PLAN SECTION
SCALE: 1 1/2" = 1'-0"

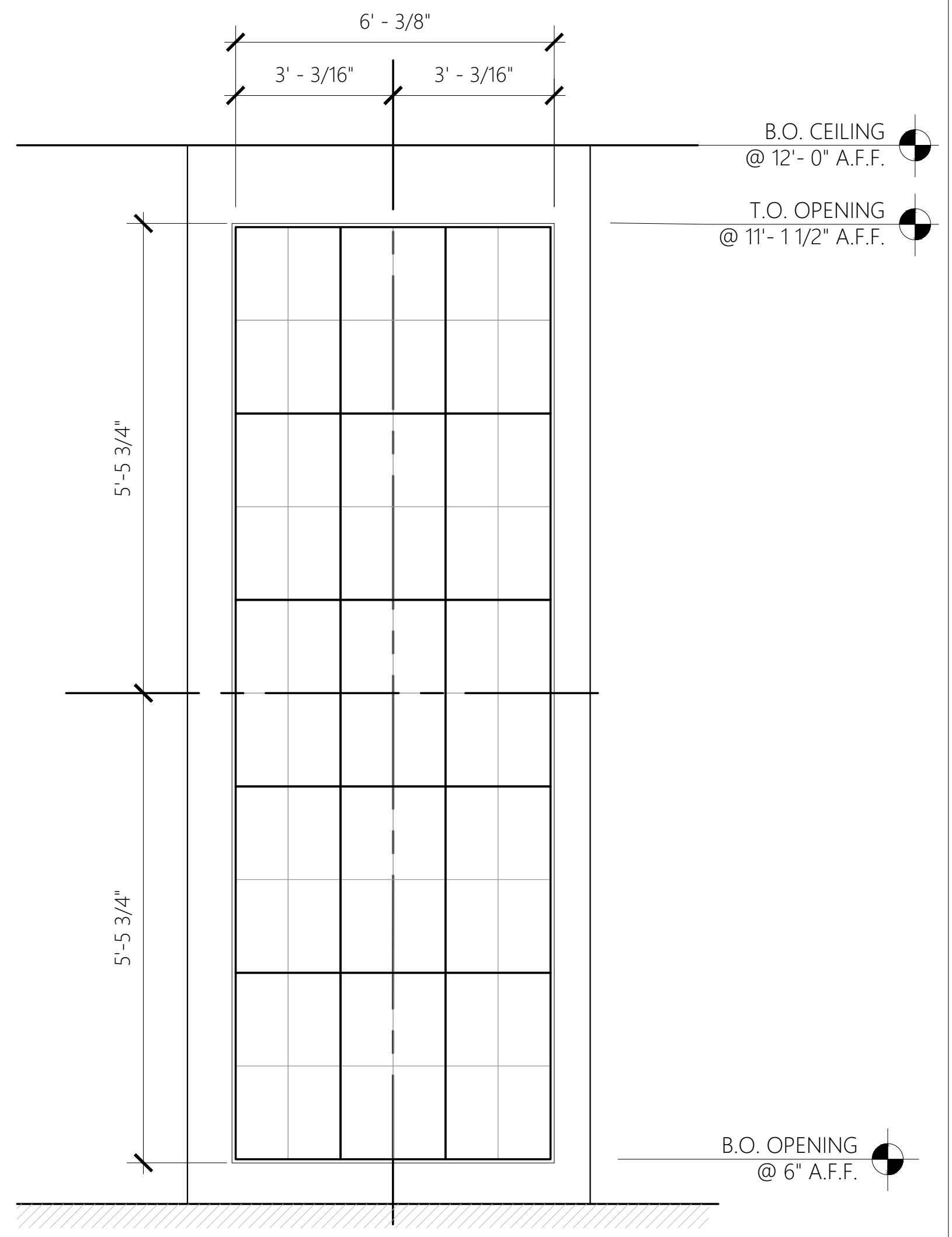

B.O. CEILING 11'-3" A.F.F.
T.O. FINISHED OPENING 11'-1" A.F.F.
T.O. SCREEN 11'- 0 1/2" A.F.F.
8
A402a
8" X 20GA METAL TRACK
NEW 8" x 20GA METAL STUDS OR (2) 3 5/8" METAL STUDS
DIGITAL DISPLAY MONITORS
3/4" FIRE RESISTANT TREATED MDF INSIDE BOX OUT PAINTED (P-160)
NEW 3-5/8" x 20GA METAL STUDS
NEW 8" x 20GA METAL STUDS OR (2) 3 5/8" METAL STUDS
10'-7 1/2"
11'-1"
8
A402a
B.O. SCREEN 6-1/2" A.F.F.
BOTTOM OF F.O. 6" A.F.F.
8" X 20GA METAL TRACK
6"
8" X 20GA TRACK TO CONC. SLAB WITH PAF'S


6' - 3/8"
3' - 3/16"
3' - 3/16"
B.O. CEILING @ 12'- 0" A.F.F.
T.O. OPENING @ 11'- 1 1/2" A.F.F.
5'- 5 3/4"
5'- 5 3/4"
B.O. OPENING @ 6" A.F.F.

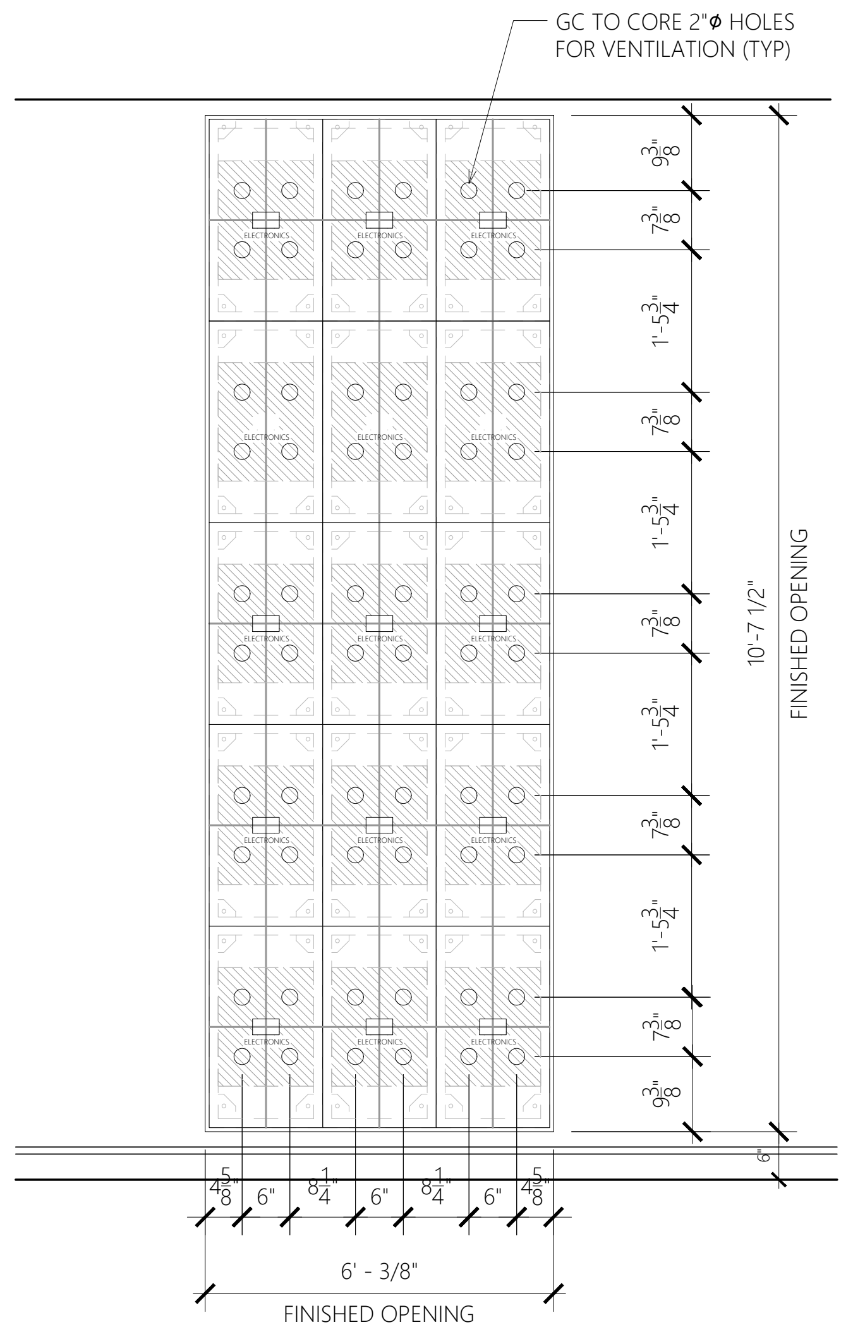
3 ELEVATION
SCALE: 1/2" = 1'-0"


GC TO CORE 2"ϕ HOLES FOR VENTILATION (TYP)
ELECTRONICS
9 3/8"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
9 3/8"
10'-7 1/2"
FINISHED OPENING
6"
4 5/8"
6"
8 1/4"
6"
8 1/4"
6"
4 5/8"
6' - 3/8"
FINISHED OPENING

4 5 x 3 VERTICAL LED - VENTS
SCALE: 1/2" = 1'-0"

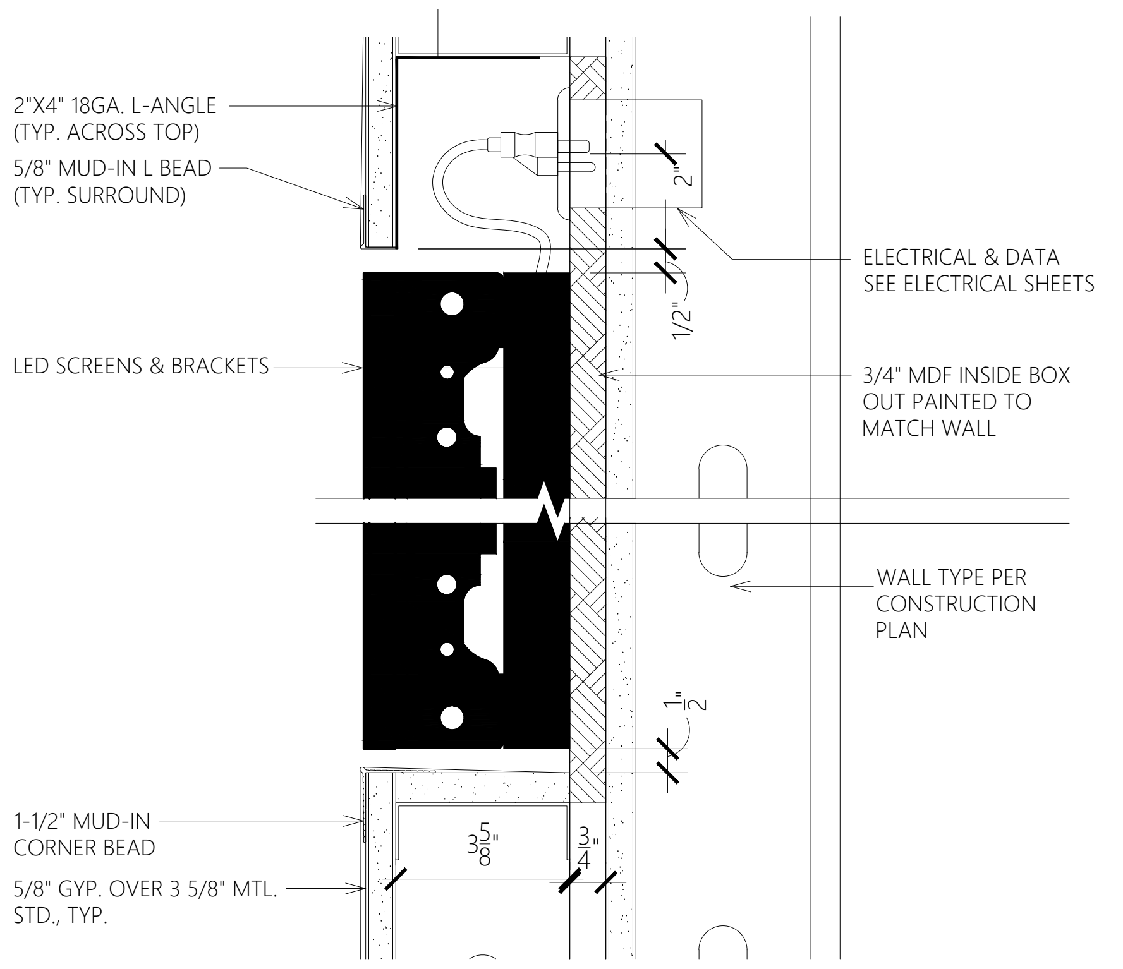

6' - 3/8"
3' - 3/16"
3' - 3/16"
B.O. CEILING @ 12'- 0" A.F.F.
T.O. OPENING @ 11'- 1 1/2" A.F.F.
5'- 5 3/4"
5'- 5 3/4"
B.O. OPENING @ 6" A.F.F.

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


GC TO CORE 2"ϕ HOLES FOR VENTILATION (TYP)
ELECTRONICS
9 3/8"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
1'-5 3/4"
7 3/8"
9 3/8"
10'-7 1/2"
FINISHED OPENING
6"
4 5/8"
6"
8 1/4"
6"
8 1/4"
6"
4 5/8"
6' - 3/8"
FINISHED OPENING

6 5 x 3 VERTICAL LED - VENTS
SCALE: 1/2" = 1'-0"

7 5 x 3 VERTICAL LED - SECTION
SCALE: 1" = 1'-0"


2"X4" 18GA. L-ANGLE (TYP. ACROSS TOP)
5/8" MUD-IN L BEAD (TYP. SURROUND)
2"
ELECTRICAL & DATA SEE ELECTRICAL SHEETS
1/2"
LED SCREENS & BRACKETS
3/4" MDF INSIDE BOX OUT PAINTED TO MATCH WALL
WALL TYPE PER CONSTRUCTION PLAN
1/2"
1-1/2" MUD-IN CORNER BEAD
3 5/8"
3/4"
5/8" GYP. OVER 3 5/8" MTL. STD., TYP.

8 DETAIL
SCALE: 3" = 1'-0"

ALL BLOCKING AND BACKERS SHALL BE FIRE RETARDANT TREATED IN ACCORDANCE WITH IBC 603.
603.1 Allowable Materials
Combustible materials shall be permitted in buildings of Type I or II construction in the following applications and in accordance with Sections 603.1.1 through 603.1.3:
Fire-retardant-treated wood shall be permitted in:
1.1. Nonbearing partitions where the required fire-resistance rating is 2 hours or less.

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
- 4000 Luxottica Place, Mason, OH 45040
- 6 Creamery Brook, East Granby, CT 06026
- +1 (513) 765-6000
- +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
3 REV 09

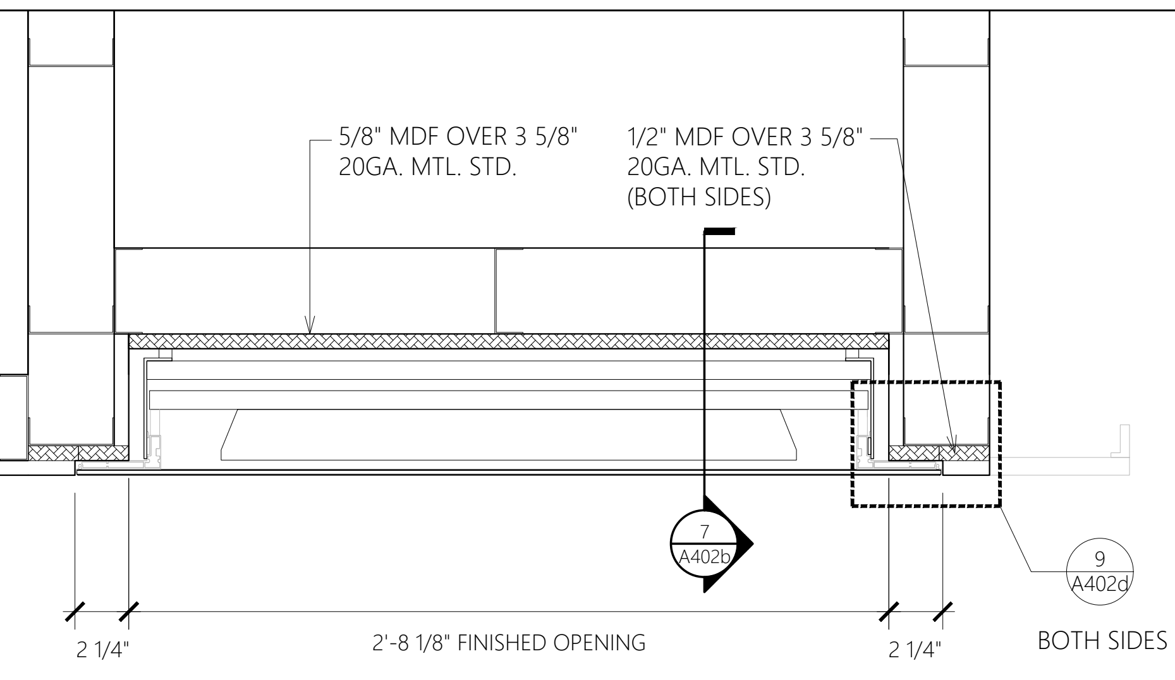
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

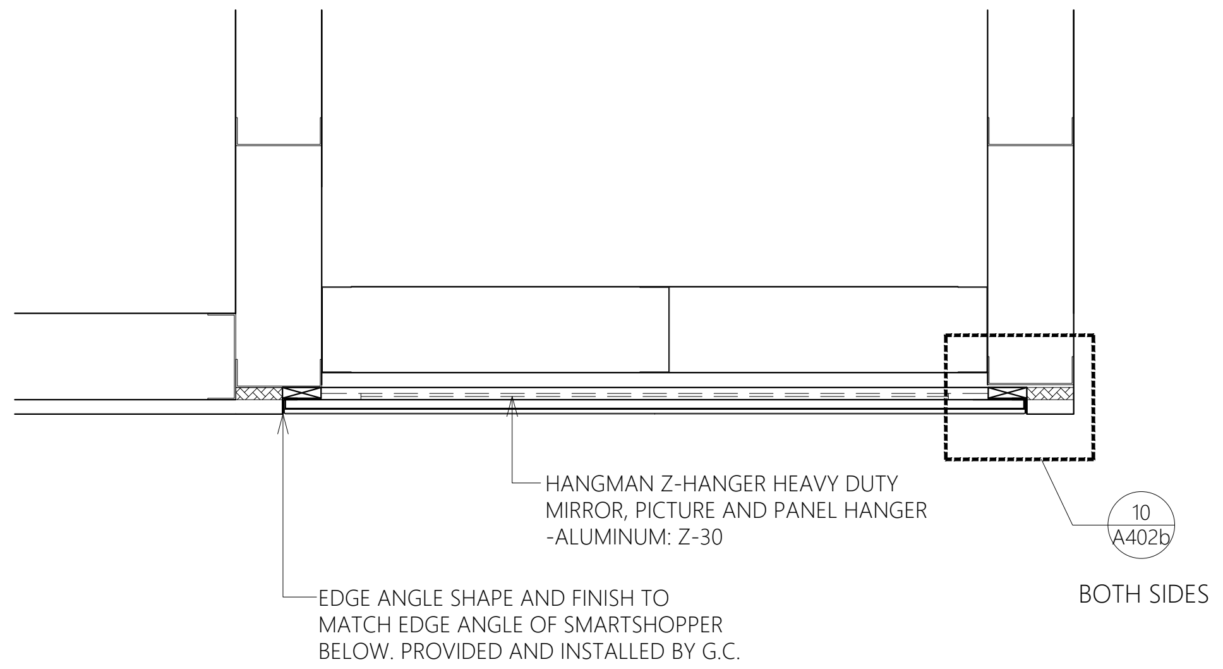
ISSUED FOR:
☐ Construction

Title
LED DISPLAY WALL SECTIONS AND DETAILS

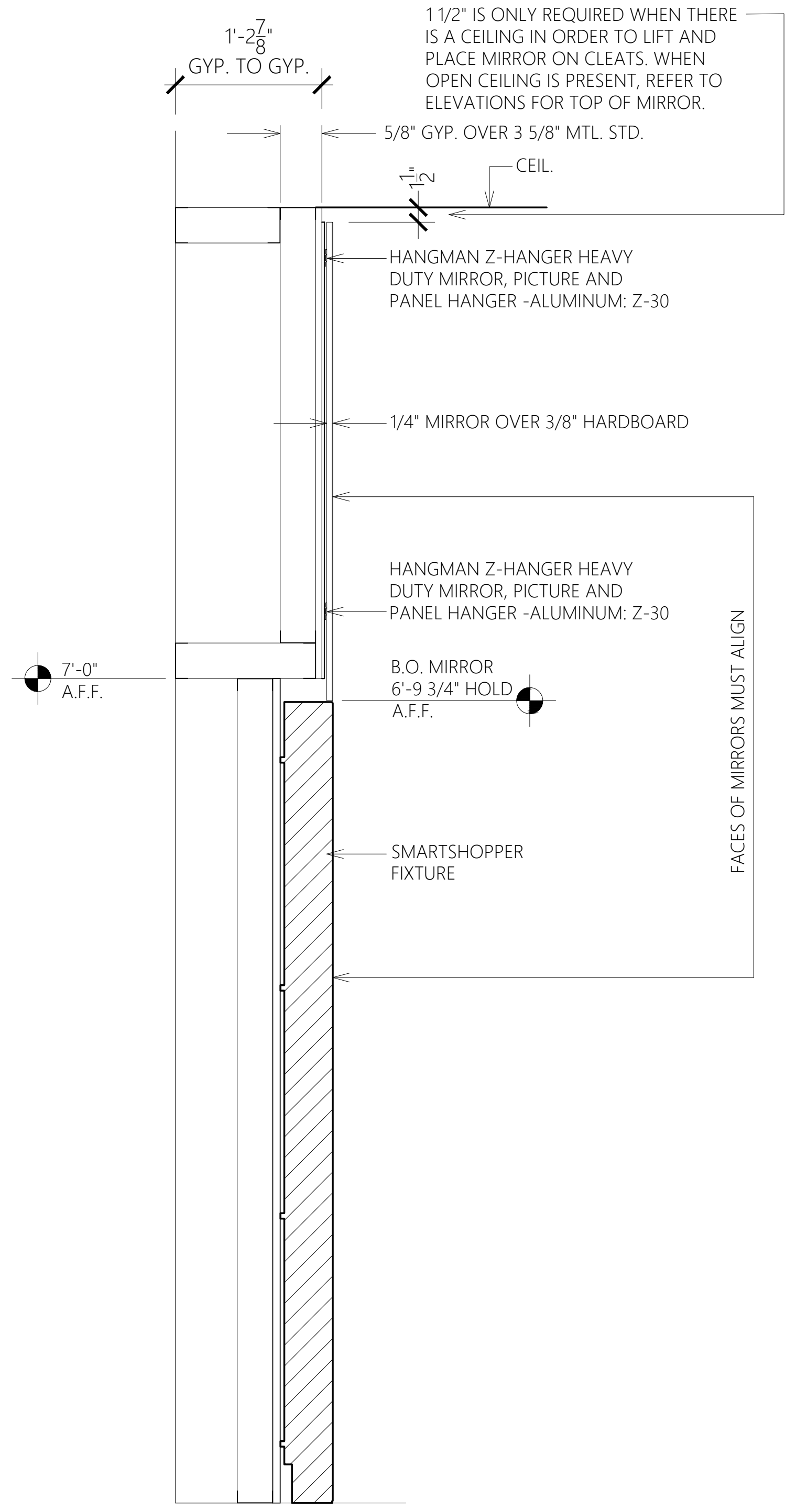
Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A402a


5/8" MDF OVER 3 5/8"
20GA. MTL. STD.
1/2" MDF OVER 3 5/8"
20GA. MTL. STD.
(BOTH SIDES)
7
A402b
9
A402d
BOTH SIDES
2 1/4"
2'-8 1/8" FINISHED OPENING
2 1/4"

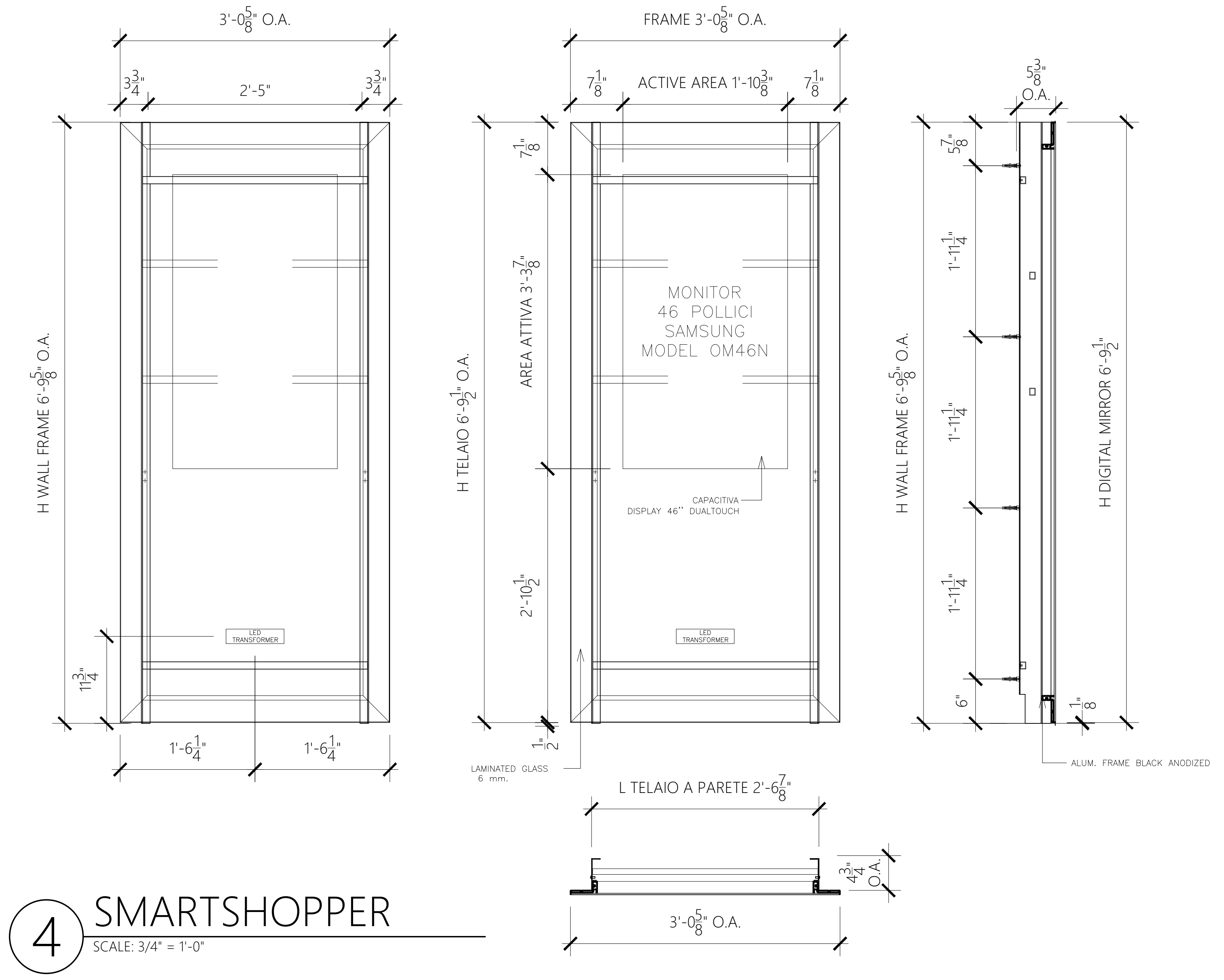
1 PARTIAL WALL PLAN (BELOW 6'-10")
SCALE: 1 1/2" = 1'-0"


HANGMAN Z-HANGER HEAVY DUTY
MIRROR, PICTURE AND PANEL HANGER
-ALUMINUM: Z-30
EDGE ANGLE SHAPE AND FINISH TO
MATCH EDGE ANGLE OF SMARTSHOPPER
BELOW. PROVIDED AND INSTALLED BY G.C.
10
A402b
BOTH SIDES

2 PARTIAL WALL PLAN (ABOVE 6'-10")
SCALE: 1 1/2" = 1'-0"

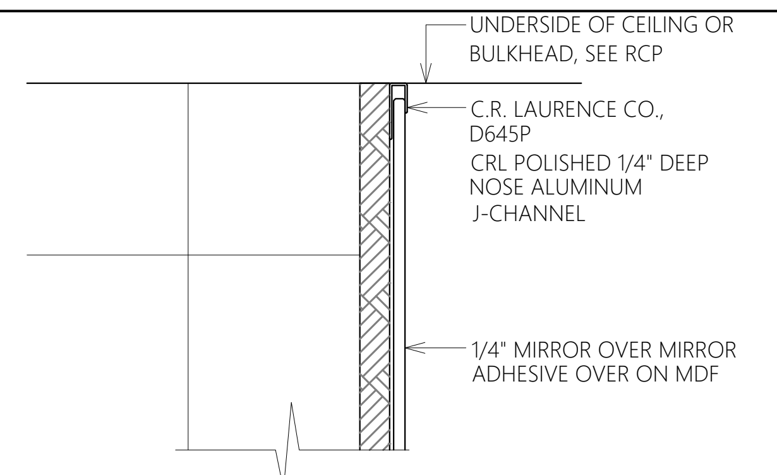

1'-2 7/8"
GYP. TO GYP.
1 1/2" IS ONLY REQUIRED WHEN THERE
IS A CEILING IN ORDER TO LIFT AND
PLACE MIRROR ON CLEATS. WHEN
OPEN CEILING IS PRESENT, REFER TO
ELEVATIONS FOR TOP OF MIRROR.
5/8" GYP. OVER 3 5/8" MTL. STD.
1 1/2"
CEIL.
HANGMAN Z-HANGER HEAVY
DUTY MIRROR, PICTURE AND
PANEL HANGER -ALUMINUM: Z-30
1/4" MIRROR OVER 3/8" HARDBOARD
HANGMAN Z-HANGER HEAVY
DUTY MIRROR, PICTURE AND
PANEL HANGER -ALUMINUM: Z-30
7'-0"
A.F.F.
B.O. MIRROR
6'-9 3/4" HOLD
A.F.F.
SMARTSHOPPER
FIXTURE
FACES OF MIRRORS MUST ALIGN

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

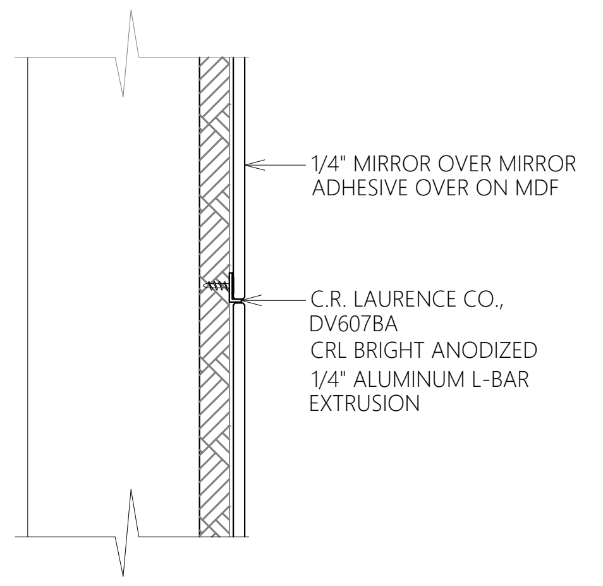

3'-0 5/8" O.A.
3 3/4"
2'-5"
3 3/4"
H WALL FRAME 6'-9 5/8" O.A.
11 3/4"
LED TRANSFORMER
1'-6 1/4"
1'-6 1/4"
FRAME 3'-0 5/8" O.A.
7 1/8"
ACTIVE AREA 1'-10 3/8"
7 1/8"
H TELAIO 6'-9 1/2" O.A.
7 1/8"
AREA ATTIVA 3'-3 7/8"
2'-10 1/2"
1/2"
MONITOR
46 POLLICI
SAMSUNG
MODEL OM46N
CAPACITIVA
DISPLAY 46'' DUALTOUCH
LED TRANSFORMER
LAMINATED GLASS
6 mm.
L TELAIO A PARETE 2'-6 7/8"
4 3/4" O.A.
3'-0 5/8" O.A.
5 3/8" O.A.
5 7/8"
1'-11 1/4"
1'-11 1/4"
1'-11 1/4"
6"
H WALL FRAME 6'-9 5/8" O.A.
H DIGITAL MIRROR 6'-9 1/2"
1/8"
ALUM. FRAME BLACK ANODIZED

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

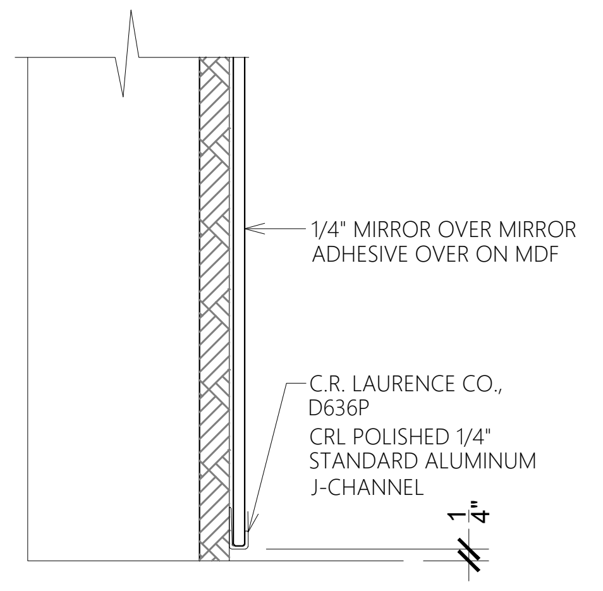
5 NOT USED
SCALE: 1 1/2" = 1'-0"


UNDERSIDE OF CEILING OR
BULKHEAD, SEE RCP
C.R. LAURENCE CO.,
D645P
CRL POLISHED 1/4" DEEP
NOSE ALUMINUM
J-CHANNEL
1/4" MIRROR OVER MIRROR
ADHESIVE OVER ON MDF

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

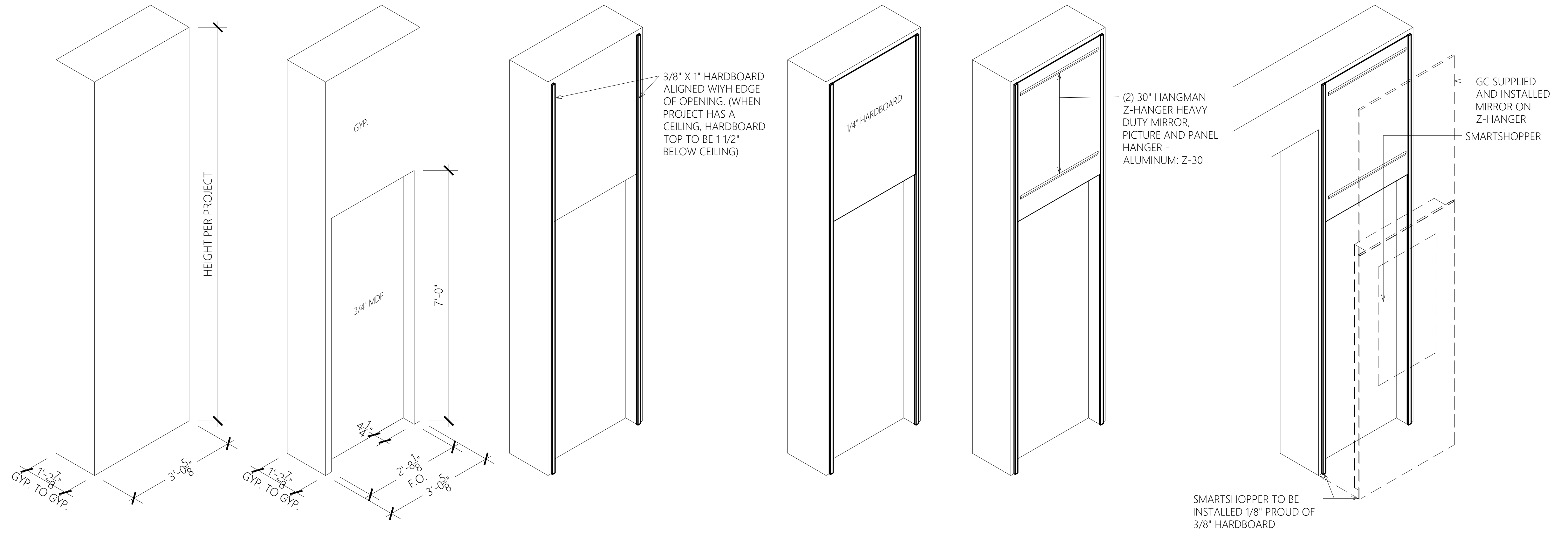

1/4" MIRROR OVER MIRROR
ADHESIVE OVER ON MDF
C.R. LAURENCE CO.,
DV607BA
CRL BRIGHT ANODIZED
1/4" ALUMINUM L-BAR
EXTRUSION

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


1/4" MIRROR OVER MIRROR
ADHESIVE OVER ON MDF
C.R. LAURENCE CO.,
D636P
CRL POLISHED 1/4"
STANDARD ALUMINUM
J-CHANNEL
1/4"

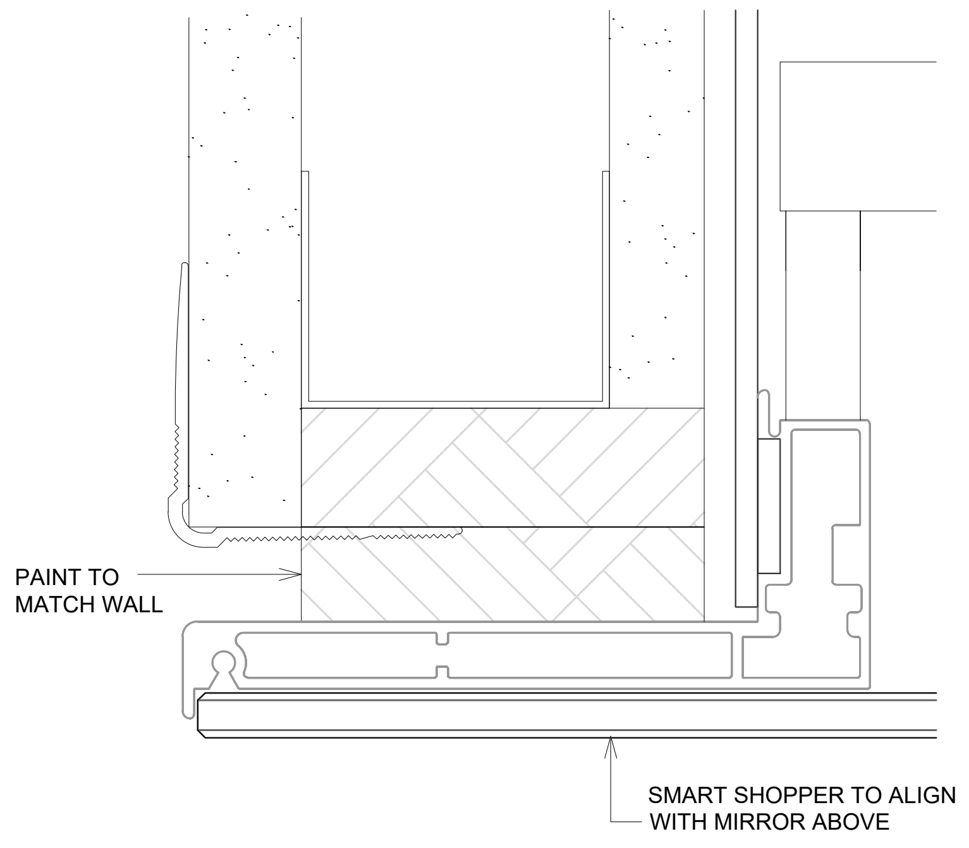
c DETAIL
SCALE: 1 1/2" = 1'-0"

8 FULL HEIGHT MIRROR DETAILS
SCALE: 1 1/2" = 1'-0"

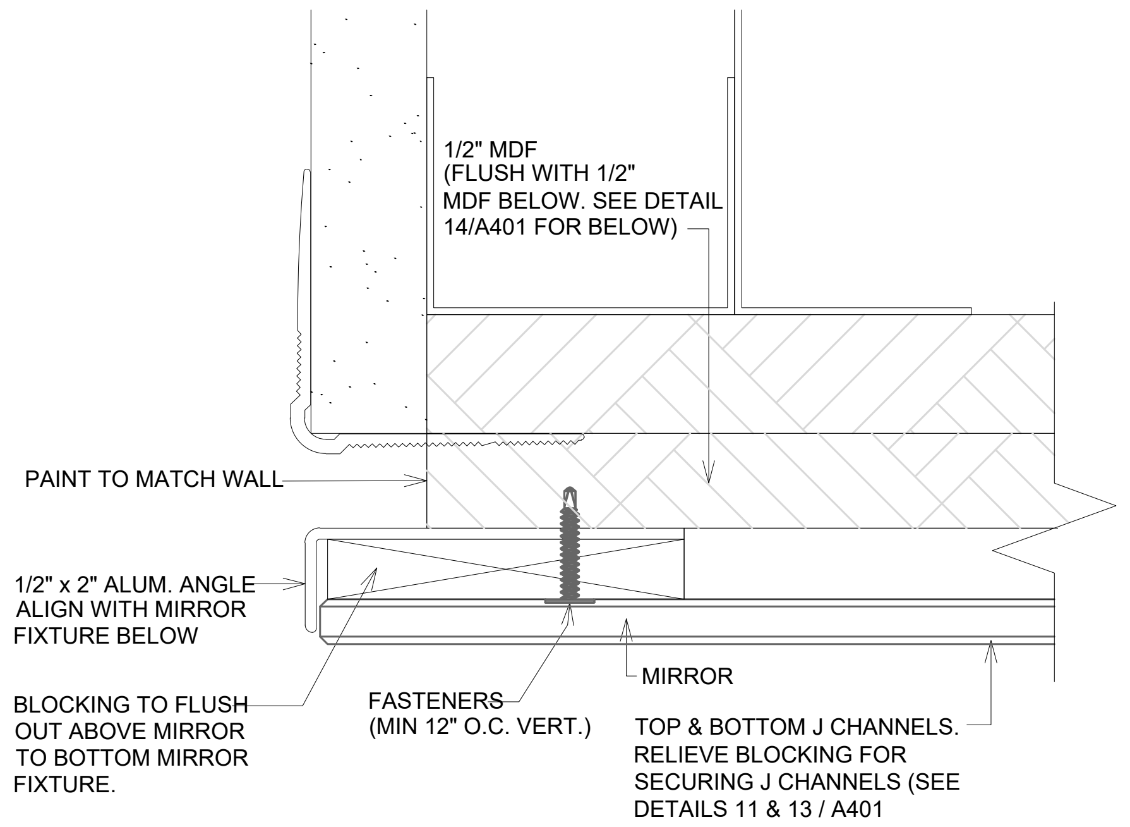

HEIGHT PER PROJECT
1'-2 7/8"
GYP. TO GYP.
3'-0 5/8"
GYP.
3/4" MDF
7'-0"
4 1/4"
1'-2 7/8"
GYP. TO GYP.
2'-8 1/8"
F.O.
3'-0 5/8"
3/8" X 1" HARDBOARD
ALIGNED WIYH EDGE
OF OPENING. (WHEN
PROJECT HAS A
CEILING, HARDBOARD
TOP TO BE 1 1/2"
BELOW CEILING)
1/4" HARDBOARD
(2) 30" HANGMAN
Z-HANGER HEAVY
DUTY MIRROR,
PICTURE AND PANEL
HANGER -
ALUMINUM: Z-30
GC SUPPLIED
AND INSTALLED
MIRROR ON
Z-HANGER
SMARTSHOPPER
SMARTSHOPPER TO BE
INSTALLED 1/8" PROUD OF
3/8" HARDBOARD

6 SMARTSHOPPER WALL BUILDOUT
SCALE: 1/2" = 1'-0"

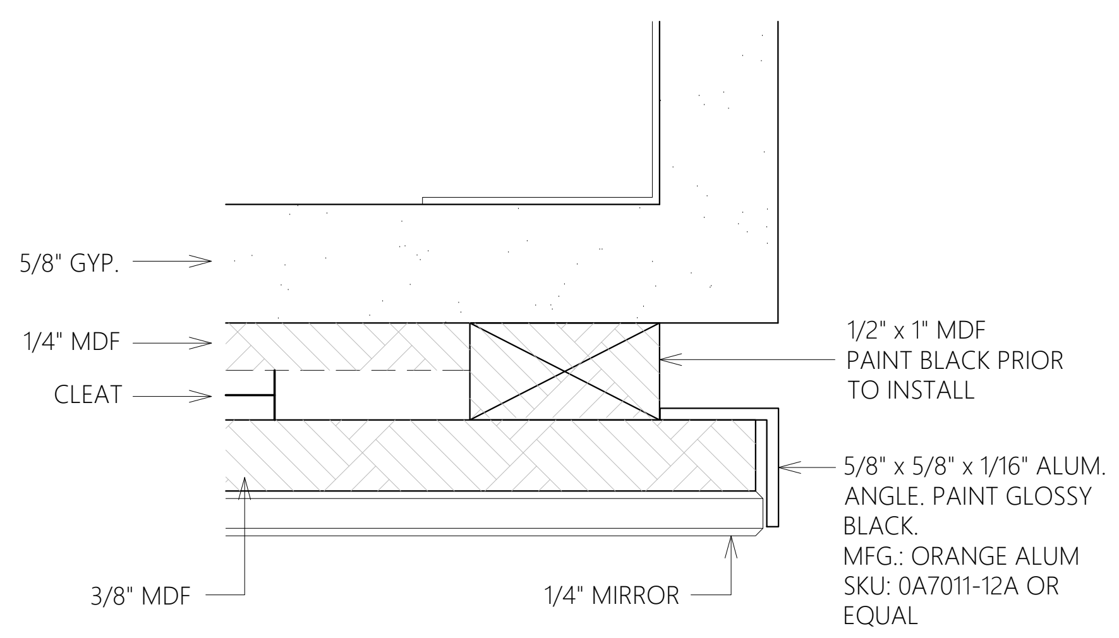
7 NOT USED
SCALE: 3" = 1'-0"


PAINT TO
MATCH WALL
SMART SHOPPER TO ALIGN
WITH MIRROR ABOVE

9 MIRROR DETAIL (BELOW 6'-10")
12" = 1'-0"


1/2" MDF
(FLUSH WITH 1/2"
MDF BELOW. SEE DETAIL
14/A401 FOR BELOW)
PAINT TO MATCH WALL
1/2" x 2" ALUM. ANGLE
ALIGN WITH MIRROR
FIXTURE BELOW
BLOCKING TO FLUSH
OUT ABOVE MIRROR
TO BOTTOM MIRROR
FIXTURE.
FASTENERS
(MIN 12" O.C. VERT.)
MIRROR
TOP & BOTTOM J CHANNELS.
RELIEVE BLOCKING FOR
SECURING J CHANNELS (SEE
DETAILS 11 & 13 / A401

10 MIRROR DETAIL (ABOVE 6'-10")
12" = 1'-0"


5/8" GYP.
1/4" MDF
CLEAT
3/8" MDF
1/4" MIRROR
1/2" x 1" MDF
PAINT BLACK PRIOR
TO INSTALL
5/8" x 5/8" x 1/16" ALUM.
ANGLE. PAINT GLOSSY
BLACK.
MFG.: ORANGE ALUM
SKU: 0A7011-12A OR
EQUAL

11 MIRROR DETAIL
12" = 1'-0"

12 NOT USED
SCALE: 3" = 1'-0"

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

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
● 4000 Luxottica Place, Mason, OH 45040 ● +1 (513) 765-6000
● 6 Creamery Brook, East Granby, CT 06026 ● +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

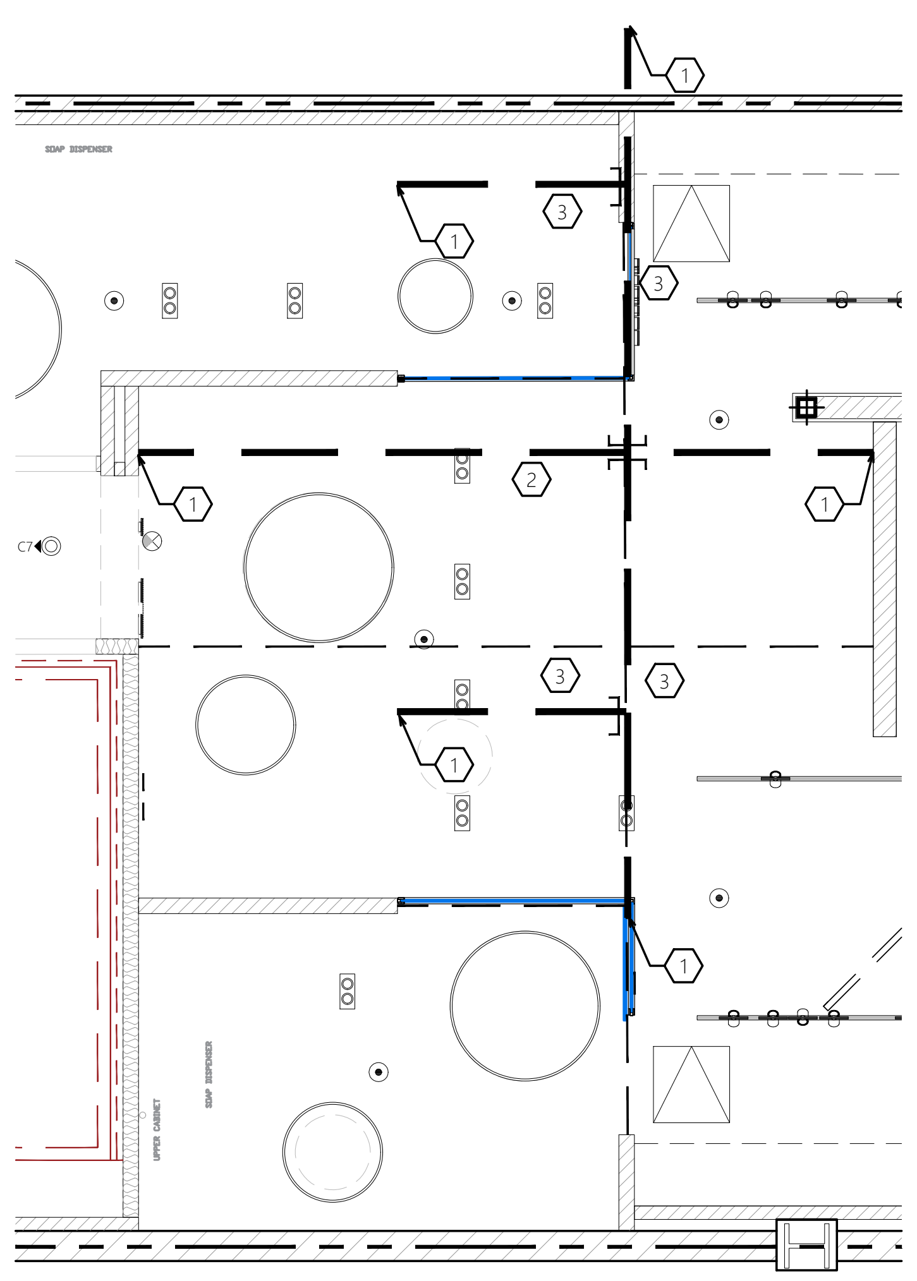
Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
SMART SHOPPER
WALL SECTIONS
AND DETAILS

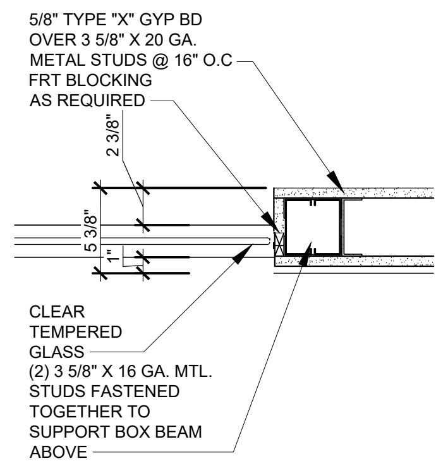
Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A402b

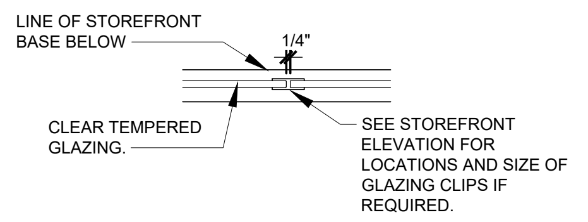


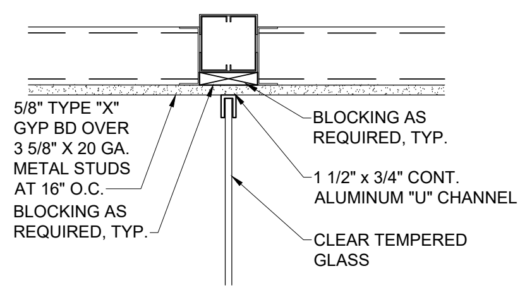
NOTES:
1. (2) 3 5/8" X 16 GA. MTL. STUDS FASTENED TOGETHER TO SUPPORT BOX BEAM ABOVE
2. BOX BEAM SUPPORT BEAM
3. BOX BEAM CONNECTION BEAM
** ALL BOX BEAMS AS PER (2) 10" X 1 5/8" X 16GA. (BB3 ON BOX BEAM SCHEDULE)

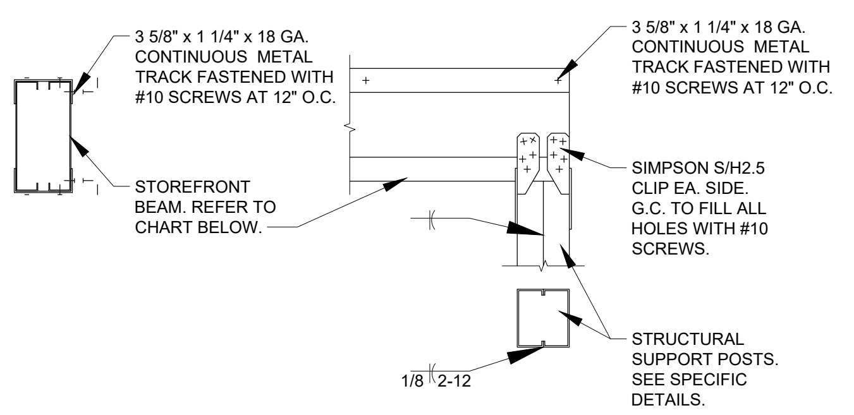
3 PARTIAL PLAN- BOX BEAM LAYOUT

NO SCALE


5/8" TYPE "X" GYP BD OVER 3 5/8" X 20 GA. METAL STUDS @ 16" O.C
FRT BLOCKING AS REQUIRED
2 3/8"
5 3/8"
1"
CLEAR TEMPERED GLASS
(2) 3 5/8" X 16 GA. MTL. STUDS FASTENED TOGETHER TO SUPPORT BOX BEAM ABOVE


LINE OF STOREFRONT BASE BELOW
1/4"
CLEAR TEMPERED GLAZING.
SEE STOREFRONT ELEVATION FOR LOCATIONS AND SIZE OF GLAZING CLIPS IF REQUIRED.


5/8" TYPE "X" GYP BD OVER 3 5/8" X 20 GA. METAL STUDS AT 16" O.C.
BLOCKING AS REQUIRED, TYP.
BLOCKING AS REQUIRED, TYP.
1 1/2" x 3/4" CONT. ALUMINUM "U" CHANNEL
CLEAR TEMPERED GLASS


3 5/8" x 1 1/4" x 18 GA. CONTINUOUS METAL TRACK FASTENED WITH #10 SCREWS AT 12" O.C.
STOREFRONT BEAM. REFER TO CHART BELOW.
3 5/8" x 1 1/4" x 18 GA. CONTINUOUS METAL TRACK FASTENED WITH #10 SCREWS AT 12" O.C.
SIMPSON S/H2.5 CLIP EA. SIDE. G.C. TO FILL ALL HOLES WITH #10 SCREWS.
STRUCTURAL SUPPORT POSTS. SEE SPECIFIC DETAILS.
1/8 2-12

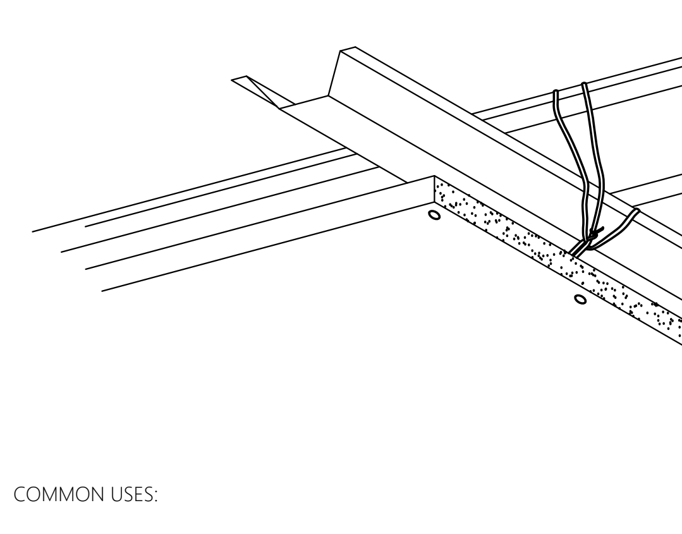
BOX BEAM SCHEDULE

KEY	SPAN	SIZE
BB1	8'-0" - 11'-11"	(2) 3-5/8"X1 5/8"X14 GA (2) 6"X1 5/8"X18 GA
BB2	12'-0" - 15'-11"	(2) 8"X1 5/8"X18 GA
BB3	16'-0" - 19'-11"	(2) 10"X1 5/8"X16 GA
BB4	20'-0" - 21'-11"	(2) 12"X1 5/8"X14 GA
BB5	22'-0" - 23'-11"	(2) 12"X1 5/8"X12 GA

THIS DETAIL IS ONLY A DESIGN GUIDELINE AND SHALL BE REVIEWED FOR ACTUAL BEAM SIZE FOR EACH PROJECT.

DESCRIPTION:

THE CEILING CONSISTS OF HANGER WIRES ATTACHED TO THE STRUCTURE ABOVE, MAIN RUNNERS ATTACHED TO THE HANGERS, AND CROSS FURRING ATTACHED TO THE MAIN RUNNERS. APPROPRIATE GYPSUM OR CEMENT BOARD PANELS ARE SCREW ATTACHED TO RECEIVE FINAL DECORATION SUCH AS DRYWALL TREATMENT, VENEER PLASTER, ACOUSTICAL TILES, ACRYLIC PLASTER SYSTEM, AND CERAMIC TILE.



COMMON USES:

SUSPENDED GYPSUM BOARD OR CEMENT BOARD CEILINGS ARE PRIMARILY USED TO PROVIDE FLAT PLANE CEILINGS IN MOST TYPES OF BUILDINGS. THESE MAY BE DESIGNED TO PROVIDE FIRE PROTECTION, CONCEALMENT, AND ACOUSTICAL TREATMENT.

LIMITATIONS:

CARE MUST BE TAKEN IN CHOOSING THE CEILING SURFACE FOR AREAS EXPOSED TO HIGH HUMIDITY. IT IS DIFFICULT TO ADAPT THIS FRAMING SYSTEM TO CURVED, BARREL VAULT, OR DOME TYPE CEILINGS. LIMITED ACCESS CAN BE PROVIDED WITH THE INSTALLATION OF ACCESS PANELS. THE LEVELS OF ABUSE AND PENETRATION RESISTANCE IS NOT THAT OF A SUSPENDED METAL LATH AND PLASTER CEILING.

ADVANTAGES:

PROVIDES FLAT, MONOLITHIC CEILING SURFACES AT THE LEAST COST. CAN BE ADAPTED TO SEVERAL GYPSUM ASSOCIATION AND U.L. FIRE RATED FLOOR/CEILING ASSEMBLIES. ACOUSTICAL TILE AND ACOUSTICAL PLASTER PROVIDE GOOD SOUND ABSORPTION.

VERSATILITY:

THESE CEILINGS ARE BEST INSTALLED IN FLAT PLANES. HOWEVER, INSTALLING FACETED CEILINGS OF VARIOUS SHAPES AND AT ANY ANGLE, ALLOWS NUMEROUS DESIGN OPTIONS. THE USE OF CEMENT BOARD PANELS ALLOWS THE USE OF THIS SYSTEM IN HIGH HUMIDITY AREAS. A VARIETY OF TEXTURES ARE AVAILABLE.

STRUCTURAL DESIGN:

1. HANGERS: SIZES BASED ON STATIC LOADS DEVELOPED BY STANDARD MAXIMUM CEILING SPACING AND LIMITED TO A SAFETY FACTOR OF 6.5, BUT NO LESS THAN 12 GAUGE WIRE. CEILING WEIGHT DETERMINES THE SIZE AND SPACING OF HANGER WIRE.
2. RUNNERS AND CROSS FURRING: DEFLECTION IS LIMITED TO I/360 OF THE SHORTEST SPAN UNDER THE CEILING LOAD.

1.0 REFERENCE DOCUMENTS:

1.1 ASTM STANDARDS

1.1.1 ASTM C-754 INSTALLATION OF STEEL FRAMING TO RECEIVE SCREW ATTACHED GYPSUM PANELS
1.1.2 ASTM C-840 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.15)
1.1.3 ASTM C-841 INSTALLATION OF INTERIOR LATHING AND FURRING (SECS. 7.2 & 7.4)
1.1.4 ASTM C-844 APPLICATION OF GYPSUM BASE TO RECEIVE GYPSUM VENEER PLASTER (SEC.15)

1.2 RELATED STANDARDS:

1.2.1 GA 216 APPLICATION AND FINISHING OF GYPSUM BOARD (SEC.12)
1.2.2 GA 600 FIRE-RESISTANCE DESIGN MANUAL
1.2.3 GWB-1 NORTHWEST WALL & CEILING BUREAU GUIDE SPECIFICATION FOR GYPSUM WALLBOARD.
1.2.4 VP-1 NORTHWEST WALL & CEILING BUREAU GUIDE SPECIFICATION FOR VENEER PLASTER SYSTEMS.
1.2.5 ICBO EVALUATION REPORT ER-4071
1.2.6 MANUFACTURERS SPECIFICATIONS FOR THE APPLICATION OF CEMENT BOARD TO CEILINGS.

2.0 MATERIALS:

2.1 HANGER WIRE FOR CEILINGS WEIGHING 4 LBS PSF OR LESS SHALL BE #12 GA DIAMETER GALVANIZED, SOFT ANNEALED STEEL WIRE.

2.2 HANGER WIRE FOR CEILINGS WEIGHING UP TO 10 LBS SHALL BE #9 GA GALVANIZED, SOFT ANNEALED STEEL WIRE.

2.3 MAIN RUNNERS (CARRIERS) SHALL BE 1-1/2 X 16 GAUGE COLD ROLLED CHANNELS WEIGHING 475 LBS. PER THOUSAND LINEAL FEET. GALVANIZED OR CORROSION INHIBITING COATING FOR EXTERIOR OR HUMID CONDITIONS.

2.4 FURRING SHALL BE 7/8" X 25 GAUGE HAT SHAPED SECTIONS. GALVANIZED OR CORROSION INHIBITING COATING FOR EXTERIOR OR HUMID CONDITIONS.

2.5 TIE WIRE SHALL BE 16 GAUGE AND/OR 18 GAUGE GALVANIZED, SOFT ANNEALED STEEL WIRE.

3.0 INSTALLATION:

3.1 WIRE HANGERS SHALL BE ATTACHED TO, OR PRE-INSTALLED IN STRUCTURE CAPABLE OF SUPPORTING THE CEILING WEIGHT, PLUS SAFETY MARGIN, WITHOUT DEFLECTION. THE HANGER ATTACHMENT SHALL DEVELOP FULL HANGER STRENGTH. HANGERS SHALL BE STRAIGHT AND WITHIN A RATION OF 1;6 OF PLUMB. AVOID HANGER SPLICES. HANGER WIRES SHALL NOT CONTACT MECHANICAL OR ELECTRICAL ITEMS ABOVE THE CEILING. HANGER WIRES SHALL BE INSTALLED AT 4' OC, AND SHALL BE LOCATED WITHIN 6" OF THE ENDS OF MAIN RUNNERS.

3.2 MAIN RUNNERS SHALL BE SPACED AT 4' OC. MAIN RUNNERS SHALL BE LOCATED WITHIN 6" OF PARALLEL WALLS. ATTACH HANGER WIRES TOT HE MAIN RUNNERS WITH A SADDLE TIE THAT PREVENTS SETTLING, UPLIFT, OR TWISTING OF THE MAIN RUNNERS. SPLICE FURRING WITH A NESTED 12" LAP AND A DOUBLE WRAP WIRE TIE AT EACH END. MAIN RUNNERS SHALL BE INSTALLED TO WITHIN +/- 1/8" OF A FLAT PLANE.

3.3. CROSS FURRING SHALL BE SADDLE TIED TO MAIN RUNNERS WITH #16 GAUGE WIRE OR TWO STRANDS OF #18 GAUGE WIRE OR APPROVED CLIPS. SPLICE FURRING WITH AN 8" NESTED LAP SCREWED OR WIRE TIED AT EACH END. THE REQUIRED FURRING SPACING IS 24" OC FOR 5/8" THICK GYPSUM PANELS AND 16" OC FOR 1/2" THICK GYPSUM PANELS. FOR OTHER COMBINATIONS AND THICKNESS OF GYPSUM PANELS OR FOR CEMENT BOARD APPLICATIONS, SEE THE APPROPRIATE RELATED REFERENCE STANDARD OR MANUFACTURES SPECIFICATIONS.

3.4 WHEN THE STRUCTURE FROM WHICH THE CEILING IS SUSPENDED IS CAPABLE OF MOVEMENT INDEPENDENT OF THE STRUCTURE SUPPORTING ABUTTING WALL AND PARTITIONS, THE CEILING FRAMING SHALL NOT BE ATTACHED TO OR IN CONTACT WITH THE WALLS. INSTALL GYPSUM OR CEMENT PANELS TO THE CEILING WITH LONG DIMENSIONS PERPENDICULAR TO FURRING MEMBERS. PANEL ENDS SHALL OCCUR OVER FURRING MEMBERS UNLESS DICTATED BY OTHERWISE BY FIRE OR SOUND RATED SYSTEMS.

3.5 ACCESSORIES: ACCESSORIES APPROPRIATE TO THE CEILING TYPE SHALL BE SUED, AND BE INSTALLED ACCORDING TO THE RELATED REFERENCE STANDARD.

3.6 GENERAL INFORMATION: LARGE SUSPENDED CEILINGS, MORE THAN 50 LINEAL FT. IN ONE DIMENSION OR MORE THAN 25OO SF, SHOULD NOT CONTACT ABUTTING WALLS OR COLUMNS. CONTROL JOINTS SHOULD BE USED TO MAINTAIN PANEL DIMENSIONS OF 50 LF. OR LESS, AND TO DIVIDE CEILING AREAS INTO MAXIMUMS OF 2500 SF. FRAMING SHOULD BE BROKEN OR SPLICED AT CONTROL JOINTS. FLEXIBLE SEALANT OR FOAM TAPE MAY BE INSTALLED BETWEEN THE CASING BEAD AND THE ABUTTING SURFACES. ADDITIONAL CARRIERS AND FURRING CHANNELS AND HANGER WIRES SHALL BE INSTALLED TO FRAME AROUND CEILING PENETRATIONS, SUCH AS LIGHT FIXTURES, ACCESS PANELS AND DUCT WORK. FOR CEILING WEIGHING MORE THAN 7LB. PER SF, USE 20 GA FURRING AT REDUCED SPACING.

4.0 ALTERNATE CEILING FRAMING

FOR LIMITED CEILING WIDTHS, ALTERNATE FRAMING CONSISTING OF FURRING CHANNEL OR METAL JOIST SECTIONS MAY BE INSTALLED AS A SIMPLE SPAN BETWEEN RUNNERS ATTACHED TO OPPOSITE WALLS. THIS SYSTEM MAY BE USED ON CEILING THAT DO NOT REQUIRE PENETRATIONS LARGE ENOUGH TO INTERRUPT THE FRAMING, AND DO NOT CARRY HEAVY FIXTURE LOADS.

4.1 MATERIAL:

4.1.1 RUNNERS: SHALL BE THE SAME SIZE AND GAUGE AS FRAMING MEMBERS. ANGEL RUNNER MAY BE USED TO SUPPORT HAT CHANNEL FRAMING.

4.1.2 FRAMING: THE FOLLOWING TABLE LISTS THE MAXIMUM SINGLE SPAN FOR FRAMING MEMBERS INSTALLED AT 16" OR 24" OC TO RECEIVE SINGLE LAYER CEILING PANELS.

MEMBERS	MAX. SINGLE SPAN
7/8" X 25 GA HAT CHANNEL	4'-0"
1-5/8" X 25 GA C SECTION	5'-0"
2-1/2" X 25 GA C SECTION	6'-0"
3-1/2" X 25 GA C SECTION	8'-0"

4.2 INSTALLATION:

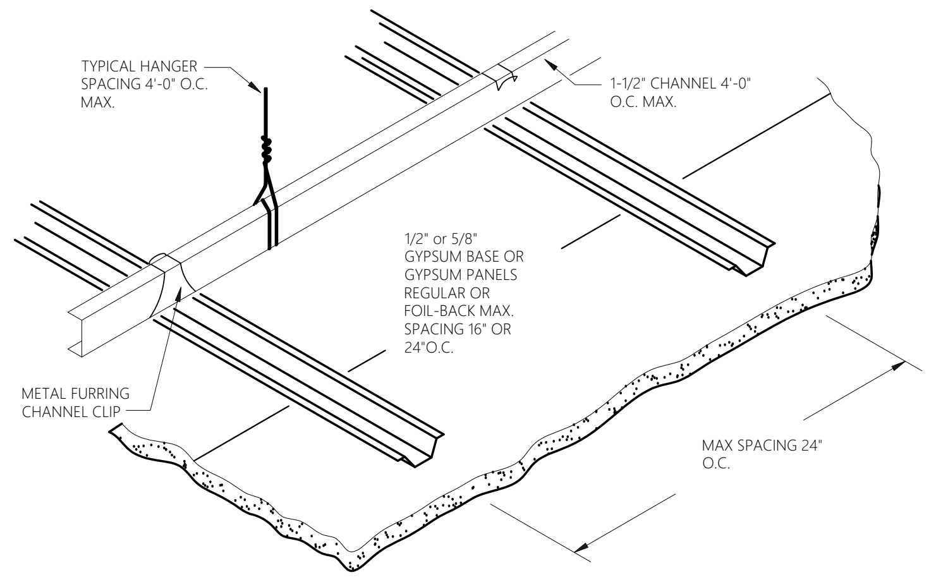
4.2.1 ATTACH RUNNERS TO WALLS WITH 2 FASTENERS AT EACH WALL STUD

4.2.2 CUT FRAMING MEMBERS TO WITHIN 1/4" OF CEILING WIDTH

4.2.3. ATTACH FRAMING TO RUNNERS WITH SCREWS AT BOTH TOP AND BOTTOM FLANGES

5.0 FINISHING

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


TYPICAL HANGER SPACING 4'-0" O.C. MAX.
1-1/2" CHANNEL 4'-0" O.C. MAX.
1/2" or 5/8" GYPSUM BASE OR GYPSUM PANELS REGULAR OR FOIL-BACK MAX. SPACING 16" OR 24"O.C.
METAL FURRING CHANNEL CLIP
MAX SPACING 24" O.C.

1 SUSPENDED GYPSUM BOARD CEILING

NO SCALE

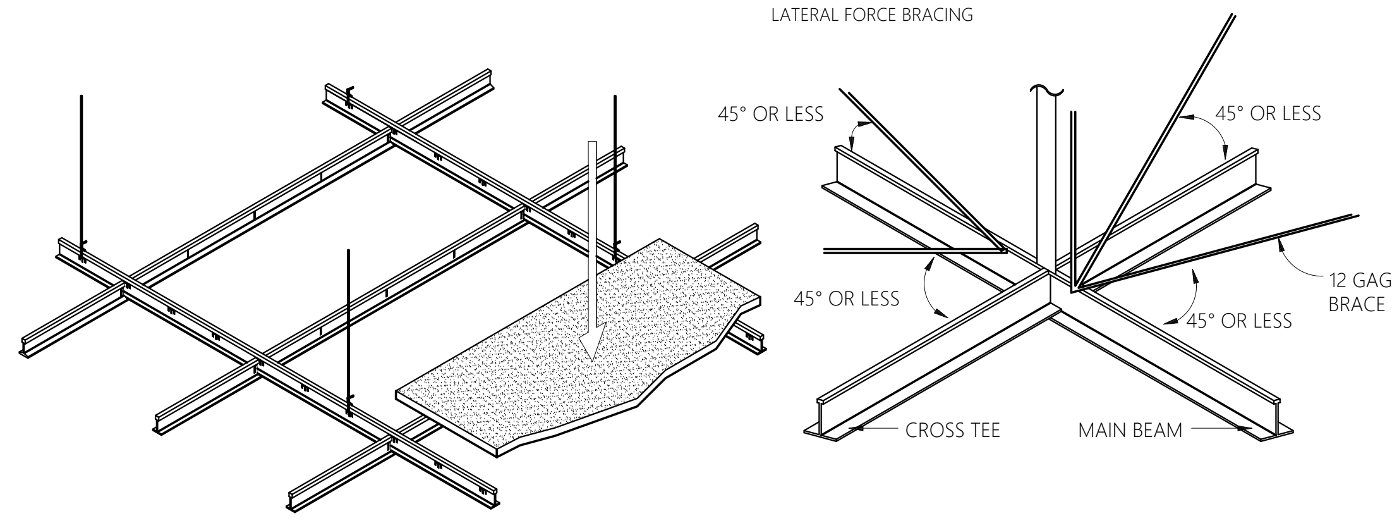
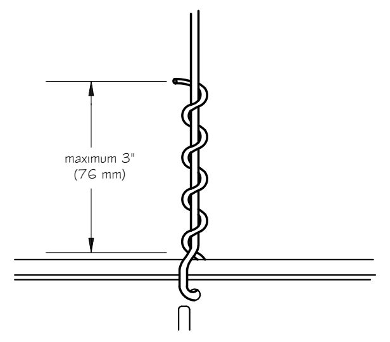


FIGURE 2
LATERAL FORCE BRACING

THIS DOCUMENT PROVIDES THE IBC-REFERENCED STANDARDS FOR THE INSTALLATION OF SUSPENSION SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS. INCORPORATION OF THIS DOCUMENT WILL PROVIDE A MORE UNIFORM STANDARD FOR INSTALLATION AND INSPECTION. THIS DOCUMENT IS DESIGNED TO ACCOMPLISH THE INTENT OF THE INTERNATIONAL BUILDING CODE (IBC) WITH REGARD TO THE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY D, E, AND F FOR SUSPENDED CEILINGS AND RELATED ITEMS. UNLESS SUPPORTED BY ENGINEERING, THE SUSPENSION SYSTEM SHALL BE INSTALLED PER THE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY (SDC) D, E AND F PER THE IBC. MANUFACTURERS' RECOMMENDATIONS SHOULD BE FOLLOWED.

GENERAL RECOMMENDATIONS
- REFERENCED SOURCES PER HIERARCHY: 2009 IBC (INTERNATIONAL BUILDING CODE), AMERICAN SOCIETY OF TESTING MATERIALS (ASTM C 635, ASTM C 636, ASTM E 580/ASTM E 580M), AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE7-05) AND CEILINGS AND INTERIOR SYSTEMS CONSTRUCTION ASSOCIATION (CISCA).
- PARTITIONS THAT ARE TIED TO THE CEILING AND ALL PARTITIONS GREATER THAN 6 FEET IN HEIGHT SHALL BE LATERALLY BRACED TO THE STRUCTURE. BRACING SHALL BE INDEPENDENT OF THE CEILING SPLAY BRACING SYSTEM. SOURCE: ASCE 7-05 SECTION 13.5.8.1
- FOR FURTHER INFORMATION ON BRACING OF NON-LOAD BEARING PARTITIONS REFER TO NWCB TECHNICAL DOCUMENT #200-501
- ALL MAIN BEAMS ARE TO BE HEAVY DUTY (HD). SOURCE ASCE 7-05 SECTION 13.5.6.2.2 a
- ALL CROSS TEES SHALL BE CAPABLE OF CARRYING THE DESIGN LOAD WITHOUT EXCEEDING DEFLECTION EQUAL TO 1/360 OF ITS SPAN. SOURCE CISCA ZONES 3-4



- THESE RECOMMENDATIONS ARE INTENDED FOR SUSPENDED CEILINGS INCLUDING GRID, PANEL OR TILE, LIGHT FIXTURES AND AIR TERMINALS WEIGHING NO MORE THAN 4LBS PER SQUARE FOOT. SOURCE ASCE 7-05 SECTION 13.5.6.1
- ALL WIRE TIES ARE TO BE THREE TIGHT TURNS AROUND ITSELF WITHIN THREE INCHES. TWELVE GAGE HANGER WIRE SPACED 4 FOOT ON CENTER (FIGURE 1). SOURCE ASTM C 636 ITEM 2.3.4
- CHANGES IN CEILING PLANES WILL REQUIRE POSITIVE BRACING. SOURCE: ASCE 7-05 13.5.6.2.2 f

FIGURE 3
MAXIMUM RECOMMENDED LENGTHS FOR VERTICAL STRUTS

EMT CONDUIT	
1/2" EMT conduit	up to 5'-10"
3/4" EMT conduit	up to 7'-8"
1" EMT conduit	up to 9'-9"
METAL STUDS	
Single 1-5/8" metal stud (20 gauge)	up to 12'-0"
Back-to-back 1-5/8" metal stud (20 gauge)	up to 15'-0"
Single 2-1/2" metal stud (20 gauge)	up to 13'-6"
Back-to-back 2-1/2" metal stud (25 gauge)	up to 15'-0"

SOURCE: PORTLAND BUILDING DEPARTMENT

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

FIGURE 4a
ATTACHED WALL MOLDING REQUIREMENTS

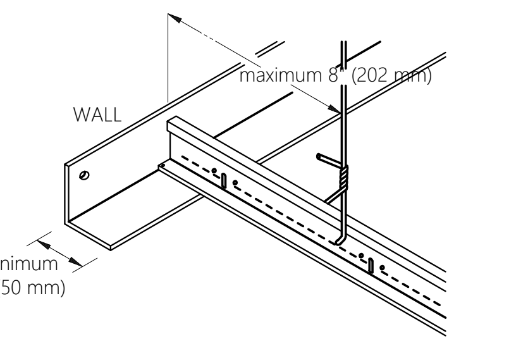
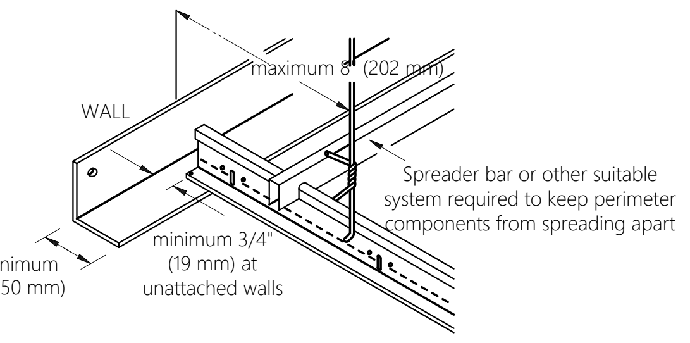


FIGURE 4b
UNATTACHED WALL MOLDING REQUIREMENTS


maximum 8" (202 mm)
WALL
Spreader bar or other suitable system required to keep perimeter components from spreading apart
minimum 2" (50 mm)
minimum 3/4" (19 mm) at unattached walls

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. SOURCE: CISCA ZONES 3-4
- LATERAL FORCE BRACING IS THE USE OF VERTICAL STRUTS (COMPRESSION POSTS) AND SPLAY WIRES (SEE FIGURE 2).
- FOR CEILING AREAS EXCEEDING 1,000 SQUARE FEET, HORIZONTAL RESTRAINT OF THE CEILING TO THE STRUCTURAL SYSTEM (LATERAL FORCE BRACING) SHALL BE PROVIDED. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 c
- LATERAL FORCE BRACING SHALL BE 12 FEET ON CENTER (MAXIMUM) AND BEGIN NO FARTHER THAN 6 FEET FROM WALLS. SOURCE: CISCA SEISMIC ZONES 3-4
- SEISMIC SPLAY WIRES ARE TO BE FOUR 12 GAGE WIRES ATTACHED TO THE MAIN BEAM. WIRES ARE ARRAYED 90° FROM EACH OTHER AND AT AN ANGLE NOT EXCEEDING 45° FROM THE PLANE OF THE CEILING. SOURCE: CISCA SEISMIC ZONES 3-4
- SEISMIC SPLAY WIRES SHALL BE ATTACHED TO THE GRID AND TO THE STRUCTURE IN SUCH A MANNER THAT THEY CAN SUPPORT A DESIGN LOAD OF NOT LESS THAN 200 POUNDS OR THE ACTUAL DESIGN LOAD, WITH A SAFETY FACTOR OF 2, WHICHEVER IS GREATER (FIGURE 6b). SOURCE: CISCA ZONES 3-4
- "POWDER DRIVEN SHOT-IN-ANCHORS" WHEN USED FOR SEISMIC APPLICATION AS PART OF THE PRESCRIPTIVE PATH IN SEISMIC DESIGN CATEGORIES D, E AND F SHALL HAVE AN ICC-ES APPROVAL FOR SEISMIC APPLICATIONS AND SHALL REQUIRE "SPECIAL INSPECTION" IRRESPECTIVE OF THE TYPE OF OCCUPANCY CATEGORY THE STRUCTURE IS IN. ANCHORS FOR KICKER WIRES (SPLAYED WIRES INSTALLED FOR PURPOSES OTHER THAN SEISMIC RESTRAINT) ARE EXEMPT FROM REQUIREMENT. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION.
- SPLAY WIRES ARE TO BE WITHIN 2 INCHES OF THE CONNECTION OF THE VERTICAL STRUT TO SUSPENDED CEILING. SOURCE: CISCA SEISMIC ZONES 3-4
- RIDGED BRACING MAY BE USED IN LIEU OF SPLAY WIRES. SOURCE: ASCE SECTION 13.5.6.2.2 c
- CEILINGS WITH PLENUMS LESS THAN 12 INCHES TO STRUCTURE ARE NOT REQUIRED TO HAVE LATERAL FORCE BRACING. SOURCE: PORTLAND BUILDING DEPARTMENT
- VERTICAL STRUTS MUST BE POSITIVELY ATTACHED TO THE SUSPENSION SYSTEMS AND THE STRUCTURE ABOVE. SOURCE: CISCA 3-4
- THE VERTICAL STRUT MAY BE EMT CONDUIT, METAL STUDS OR A PROPRIETARY COMPRESSION POST (SEE FIGURE 3)
- CEILINGS WITH INTERSTITIAL SPACES LESS THAN 12 INCHES TO FRAMING ARE NOT REQUIRED TO HAVE LATERAL FORCE BRACING

WALL MOLDINGS (FIGURES 4a AND 4b)

- WALL MOLDINGS (PERIMETER CLOSURE ANGLES) ARE REQUIRED TO HAVE A HORIZONTAL FLANGE 2 INCHES WIDE. ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE WALL MOLDING, THE OTHER END SHALL HAVE A 3/4 INCH CLEARANCE FROM THE WALL AND FREE TO SLIDE. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 b
- WHERE SUBSTANTIATING DOCUMENTATION HAS BEEN PROVIDED TO THE LOCAL JURISDICTION, PERIMETER CLIPS MAY BE SUED TO SATISFY THE REQUIREMENTS FOR THE 2-INCH CLOSURE ANGLE. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION
- 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. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION

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. SOURCE: CISCA SEISMIC ZONES 3-4
- 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. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION

HANGER (SUSPENSION) WIRES (FIGURES 5a AND 5b)

- HANGER AND PERIMETER WIRES MUST BE PLUMB WITHIN 1 IN 6 UNLESS (FIGURE 5a) COUNTER SLOPING WIRES ARE PROVIDED (FIGURE 5b). SOURCE: ASTM C 636 SECTION 2.1.4
- HANGER WIRES SHALL BE 12 GAGE AND SPACED 4 FEET ON CENTER OR 10 GAGE SPACED 5 FEET ON CENTER. SOURCE: ASTM C 636
- ANY CONNECTION DEVICE AT THE SUPPORTING CONSTRUCTION SHALL BE CAPABLE OF CARRYING NOT LESS THAN 100 POUNDS. SOURCE: CISCA ZONES 3-4
- POWDER DRIVEN SHOT-IN-ANCHORS ARE AN APPROVED METHOD OF ATTACHMENT FOR HANGER WIRES. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION
- TERMINAL ENDS OF EACH MAIN BEAM AND CROSS TEE MUST BE SUPPORTED WITHIN 8 INCHES OF EACH WALL WITH A PERIMETER WIRE (SEE FIGURE 4 & 5b). SOURCE: CISCA ZONES 3-4
- 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. SOURCE: CISCA ZONES 3-4

ELECTRICAL FIXTURES

- LIGHT FIXTURES WEIGHING LESS THAN 10 POUNDS SHALL HAVE ONE 12 GAGE HANG WIRE CONNECTED FROM THE FIXTURE TO THE STRUCTURE ABOVE. THIS WIRE MAY BE SLACK. SOURCE: CISCA SEISMIC ZONES 3-4
- LIGHT FIXTURES WEIGHING MORE THAN 10 POUNDS AND LESS THAN 56 LBS. SHALL HAVE TWO 12 GAGE WIRES ATTACHED AT OPPOSING CORNERS OF THE LIGHT FIXTURE TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. SOURCE: CISCA SEISMIC ZONES 3-4
- LIGHT FIXTURES WEIGHING MORE THAN 56 LBS. SHALL BE SUPPORTED BY DIRECTLY FROM THE STRUCTURE ABOVE. THESE WIRES MUST BE TAUT. SOURCE: CISCA SEISMIC ZONES 3-4
- PENDANT MOUNTED FIXTURES SHALL BE DIRECTLY SUPPORTED FROM THE STRUCTURE ABOVE USING A 9 GAGE WIRE OR AN APPROVED ALTERNATE SUPPORT WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT. SOURCE: CISCA SEISMIC ZONES 3-4
- TANDEM FIXTURES MAY UTILIZE COMMON WIRES.

MECHANICAL SERVICES

- TERMINALS OR SERVICES WEIGHING 20 LBS. BUT NOT MORE THAN 56 LBS. MUST HAVE TWO 12 GAGE WIRES CONNECTING THEM TO THE CEILING SYSTEM HANGERS OR THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK. SOURCE: CISCA SEISMIC ZONES 3-4
- TERMINALS OR SERVICES WEIGHING MORE THAN 56 LBS. MUST BE INDEPENDENTLY SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE. THESE WIRES MUST BE TAUT. SOURCE; CISCA SEISMIC ZONES 3-4

SEISMIC SEPARATION JOINTS (FIGURE 7)

- FOR CEILING AREAS EXCEEDING 2,500 SQUARE FEET, A SEISMIC SEPARATION JOINT OR FULL HEIGHT WALL PARTITION THAT BREAKS THE CEILING SHALL BE PROVIDED UNLESS ANALYSES ARE PERFORMED OF THE CEILINGS BRACING SYSTEM, CLOSURE ANGLES AND PENETRATIONS TO PROVIDE SUFFICIENT CLEARANCE. SOURCE: ASCE 7-05 SECTION 13.5.6.2.2 d
- THE LAYOUT AND LOCATION OF THE SEISMIC SEPARATION JOINT SHALL BE PER THE DESIGNER OF RECORD AND NOTED ON THE PLANS. IF A SEISMIC SEPARATION JOINT IS REQUIRED BY THE DESIGNER, THE DESIGNER MAY USE THE GENERIC JOINT DETAILED IN THIS DOCUMENT OR A PROPRIETARY JOINT. THE AMOUNT OF FREE MOVEMENT (GAP DESIGN) SHALL BE A MINIMUM OF 3/4 INCH. SOURCE: STATE OF OREGON, BUILDING CODES DIVISION.
- 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. SOURCE: STATE OF OREGON BUILDING CODES DIVISION
- OTHER THAN PARTITIONS AND SOFFITS, SEISMIC JOINTS MAY NOT BE USED AS PART OF A FIRE RATED CEILING ASSEMBLY UNLESS SUBSTANTIATING DOCUMENTATION IS PROVIDED. SOURCE: STATE OF OREGON BUILDING CODES DIVISION.

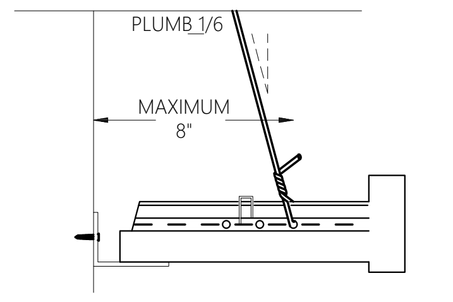


FIGURE 5a

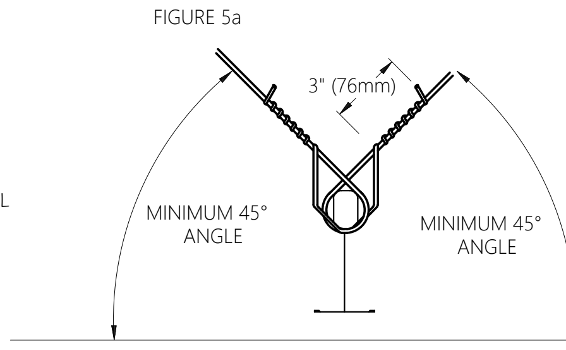


FIGURE 5b • COUNTER SLOPING

VERTICAL HANGER WIRE ATTACHMENT

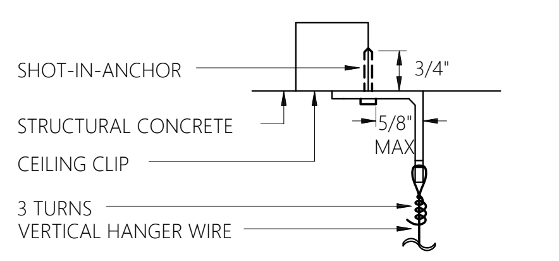


FIGURE 6a

SPLAYED SEISMIC BRACING WIRE ATTACHMENT

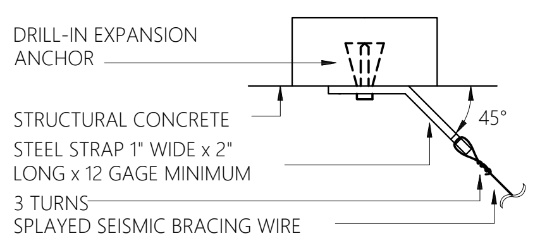

DRILL-IN EXPANSION ANCHOR
STRUCTURAL CONCRETE
STEEL STRAP 1" WIDE x 2" LONG x 12 GAGE MINIMUM
3 TURNS SPLAYED SEISMIC BRACING WIRE
45°

FIGURE 6b

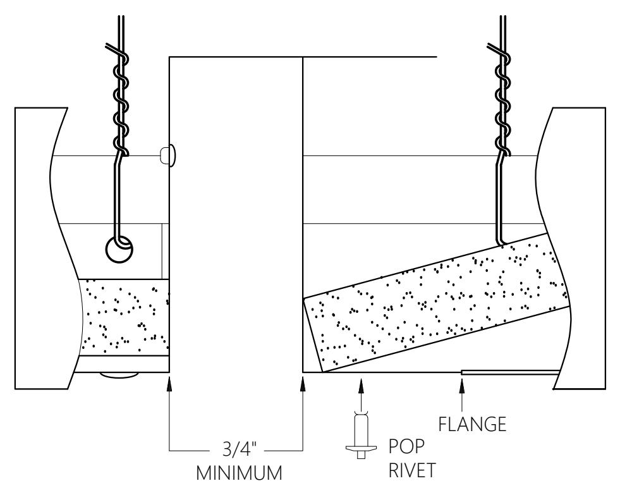


FIGURE 7

SPRINKLERS

FOR CEILING WITHOUT RIGID BRACING, SPRINKLER HEAD PENETRATIONS SHALL HAVE A 2 INCH OVERSIZE RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF AT LEAST 1 INCH IN ALL HORIZONTAL DIRECTIONS. FLEXIBLE HEAD DESIGN THAT CAN ACCOMMODATE 1 INCH FREE MOVEMENT SHALL BE PERMITTED AS AN ALTERNATE. SOURCE: ASCE 7-05 13.5.6.2.2 e

GLOSSARY FOR THIS DOCUMENT (REGIONAL TERMINOLOGY MAY VARY)

CROSS TEES	THE CROSS MEMBER THAT INTERLOCK WITH THE MAIN BEAMS, ALSO KNOWN AS CROSS RUNNERS OR CROSS T-BARS.
DIFFUSER	A CIRCULAR OR RECTANGULAR METAL GRILL USED FOR THE PASSAGE OF AIR FROM A DUCTED SYSTEM.
ESSENTIAL SERVICE BUILDINGS	ANY BUILDINGS DESIGNED TO BE USED BY PUBLIC AGENCIES AS A FIRE STATION, POLICE STATION, EMERGENCY OPERATIONS CENTER, STATE PATROL OFFICE, SHERIFF'S OFFICE, OR EMERGENCY COMMUNICATION DISPATCH CENTER.
GRID	THE MAIN BEAMS AND CROSS TEES OF THE SUSPENSION SYSTEM.
HANGER WIRE	10 OR 12 GAGE SOFT ANNEALED WIRE USED AS PRIMARY SUPPORT FOR THE GRID SYSTEM. ALSO CALLED SUSPENSION WIRES.
LATERAL FORCE BRACING	THE BRACING METHOD USED TO PREVENT CEILING UPLIFT OR LATERAL MOVEMENT DURING A SEISMIC EVENT. LATERAL FORCE BRACING CONSISTS OF VERTICAL STRUTS AND SPLAY WIRES.
MAIN BEAM	THE PRIMARY SUSPENSION MEMBER SUPPORTED BY HANGER WIRES, ALSO KNOWN AS THE MAIN RUNNER, CARRYING TEE, CARRYING RUNNER OR MAINS.
MOLDING/CLOSURE ANGLE	A LIGHT GAUGE METAL ANGLE OR CHANNEL FASTENED TO THE PERIMETER WALL OR PARTITION TO SUPPORT THE PERIMETER ENDS OF AN ACOUSTICAL CEILING GRID.
PERIMETER CLIPS	PROPRIETARY ANGLE BRACKET ATTACHED DIRECTLY TOT EH WALL MOLDING/CLOSURE ANGLE WHICH ALLOWS FOR 3/4" MOVEMENT IN THE EVENT OF SEISMIC ACTIVITY AND ANCHORS PROPERLY WITH ENDS OF GRID SYSTEM.
PERIMETER WIRES	HANGER WIRES PLACED WITHIN EIGHT INCHES OF THE SURROUNDING WALLS.
PLENUM	THE SPACE ABOVE A SUSPENDED CEILING.
SLACK WIRE	A 12 GAGE WIRE THAT IS NOT TIGHT OR TAUT.
SPREADER OR SPACER BAR	A BAR WITH NOTCHES TO PREVENT THE SUSPENSION SYSTEM FROM SEPARATING, ALSO CALLED A STABILIZER BAR.
SPLAY WIRES	WIRES INSTALLED AT AN ANGLE RATHER THAN PERPENDICULAR TO THE GRID.
VERTICAL STRUTS	THE RIGID VERTICAL MEMBER USED IN LATERAL FORCE BRACING OF THE SUSPENSION SYSTEM. ALSO KNOWN AS A COMPRESSION POSTS, SEISMIC PODS, SEISMIC STRUTS. COMMON MATERIALS ARE ELECTRICAL CONDUIT (EMT), METAL STUDS OR PROPRIETARY PRODUCTS.

UPGRADING OF EXISTING CEILINGS

- CEILINGS WITHOUT SEISMIC BRACING: WHERE EXISTING CEILINGS ARE WITHOUT SEISMIC BRACING, THE CEILING SYSTEM SHALL BE BROUGHT INTO SUBSTANTIAL COMPLIANCE WITH CURRENT CODE REQUIREMENTS WHEN 50% OR MORE OF THE CEILING TILE IS ALTERED, REPAIRED OR REPLACED AS PART OF A GENERAL SPACE ALTERATION, OR IF ALL OF THE CEILING SYSTEM IS REMOVED.

-SUBSTANTIAL COMPLIANCE MEANS INSTALLATION OF THE FOLLOWING ITEMS WHERE REQUIRED IN NEW CONSTRUCTION:
  -LATERAL FORCE BRACING (SPLAYED WIRES)
  -COMPRESSION STRUTS
  -SLACK WIRES ON ALL LIGHT FIXTURES AND AIR TERMINALS

-THIS REQUIREMENT DOES NOT TRIGGER THE NEED FOR:
  -2 INCH CLOSURE ANGLE AS SPECIFIED IN SECTION II
  -SEISMIC SEPARATION JOINTS
  -1 INCH MOVEMENT IN ALL DIRECTIONS AROUND SPRINKLER PENDANTS

-THESE UPGRADES ARE NOT REQUIRED WHEN:
  -REMOVING PORTIONS OF TILES OR PANELS AND/OR GRID TO ALTER DUCTWORK, SPRINKLER PIPE, ETC.
  -PORTIONS OF A CEILING ARE REMOVED ONLY TO FACILITATE THE INSTALLATION OF SPRINKLER PIPING

- CEILINGS WITHOUT COMPRESSION STRUTS: WHERE EXISTING CEILINGS HAVE SEISMIC BRACING BUT DO NOT HAVE COMPRESSION STRUTS AT THE CENTER OF THE SPLAYED WIRES, THE ADDITION OF COMPRESSION STRUTS WILL ONLY BE REQUIRED WHEN AND WHERE THE GRID IS REPLACED, ALTERED, REPAIRED OR LOWERED.

2 SUSPENSION SYSTEMS FOR ACOUSTICAL LAY-IN CEILINGS

NO SCALE

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
3 1752 CHIPMAN RD, SPACE M-6B
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3	01/10/2022 OWNER CHANGES	BRR
4		
5		
6		
7		
8		

Architect of Record

JLL Architecture, LLC
200 East Randolph Drive
Chicago, IL 60601

51 W. 3rd Street, # 201
Tempe, AZ 85281
tel +1 480 626 6304
fax +1 480 401 3602

Seal

AMY SJURSEN
Amy Sjursen
NUMBER A-2021021518
1/14/22

Architect Job No.: LUX-305

Nextore Store Design Revision No.: 3 REV 09

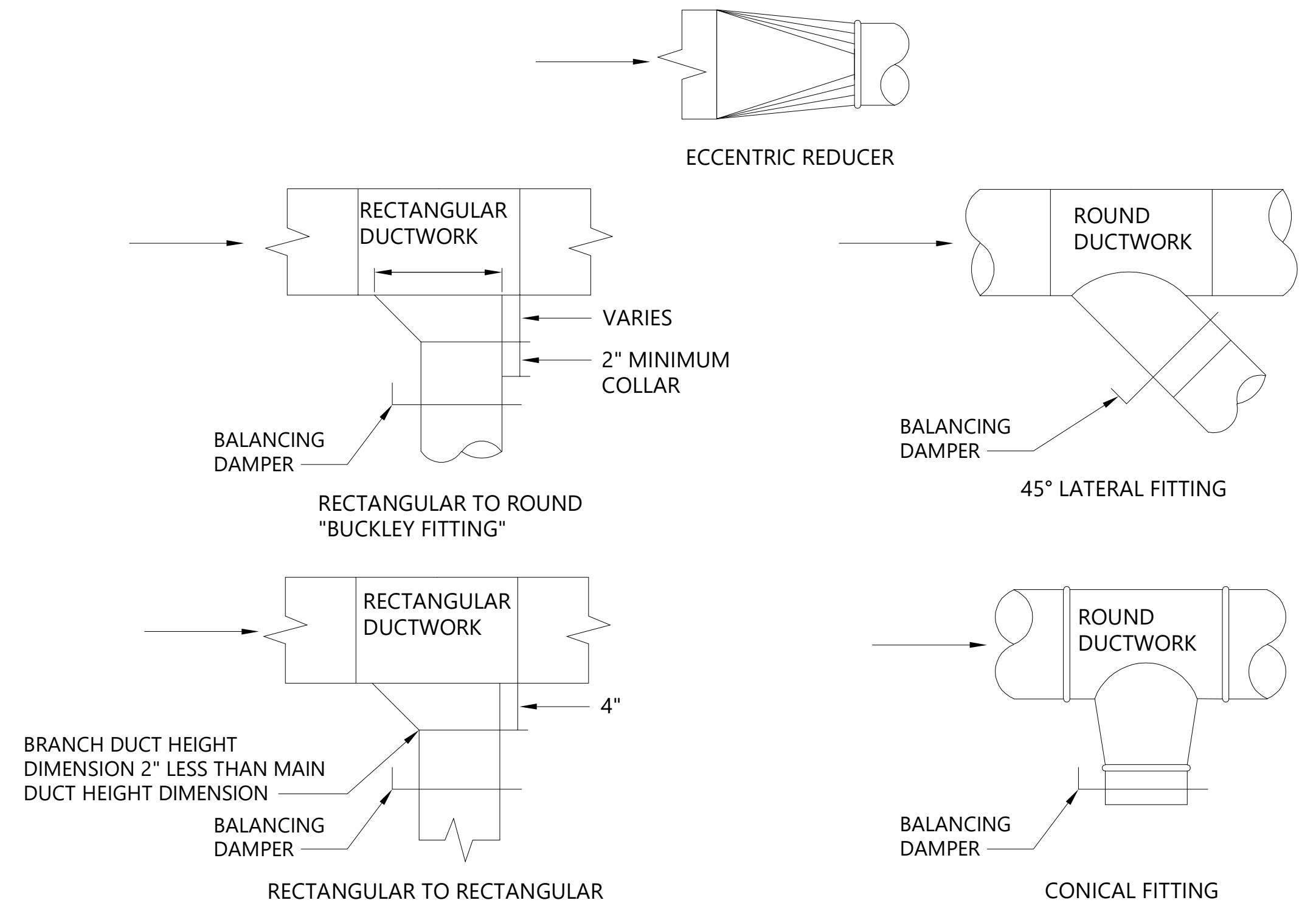
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

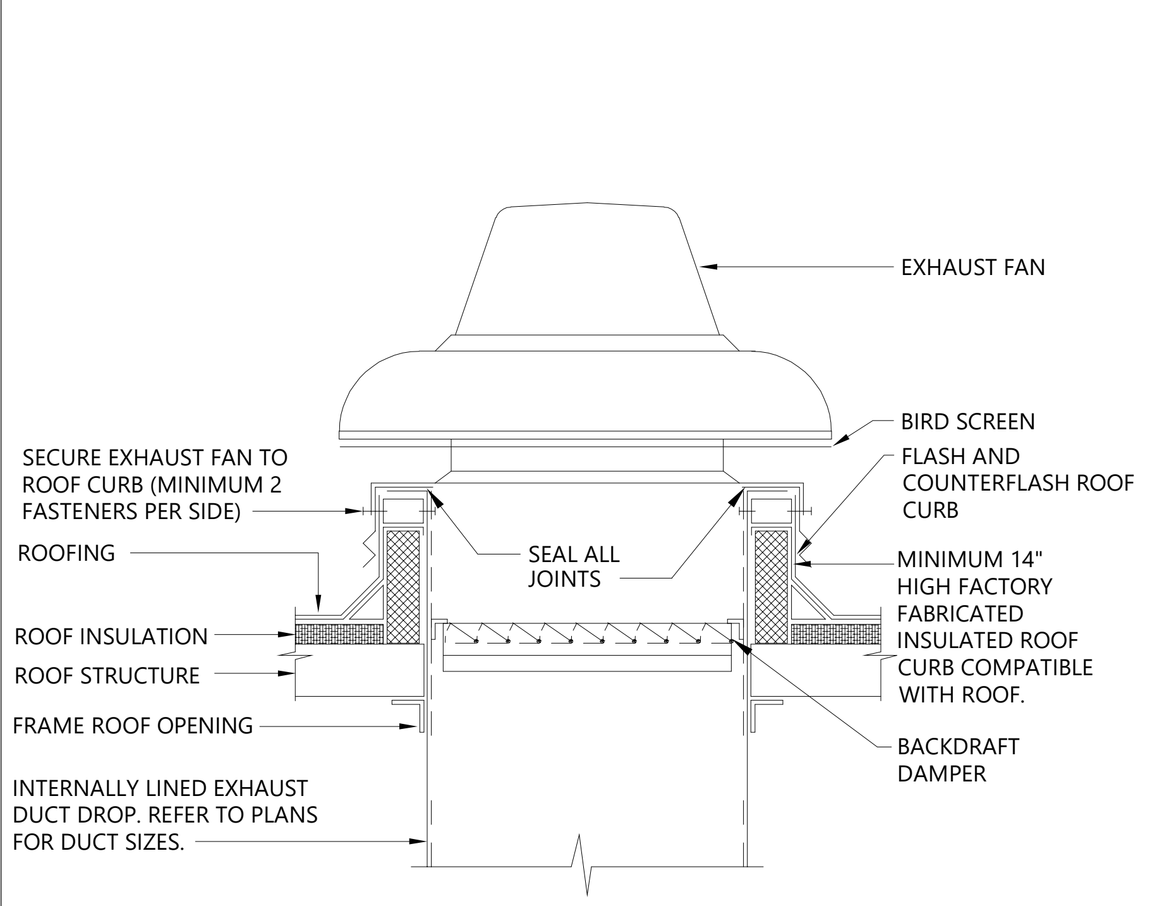
Title
CEILING DETAILS

Date 10/01/21
Drawn By STAFF
Checked By JHM
Sheet A403


ECCENTRIC REDUCER
RECTANGULAR DUCTWORK
VARIES
2" MINIMUM COLLAR
BALANCING DAMPER
RECTANGULAR TO ROUND "BUCKLEY FITTING"
ROUND DUCTWORK
BALANCING DAMPER
45° LATERAL FITTING
RECTANGULAR DUCTWORK
4"
BRANCH DUCT HEIGHT DIMENSION 2" LESS THAN MAIN DUCT HEIGHT DIMENSION
BALANCING DAMPER
RECTANGULAR TO RECTANGULAR
ROUND DUCTWORK
BALANCING DAMPER
CONICAL FITTING

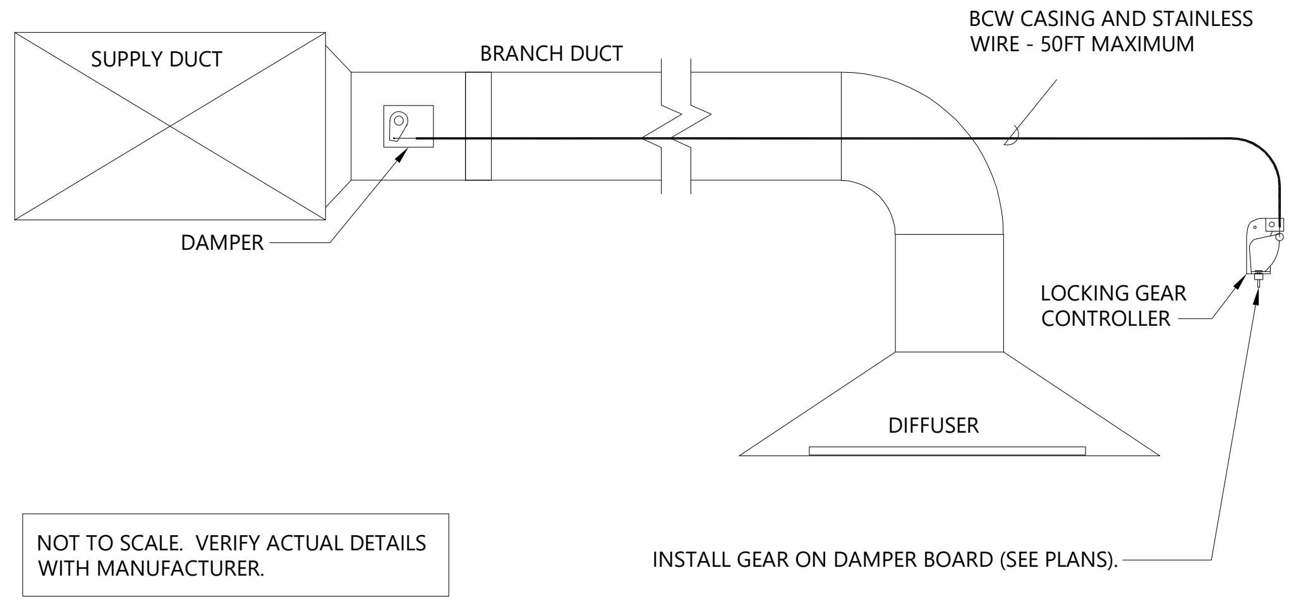
A DUCT BRANCH TAKE-OFF DETAIL

SCALE: NONE


EXHAUST FAN
BIRD SCREEN
SECURE EXHAUST FAN TO ROOF CURB (MINIMUM 2 FASTENERS PER SIDE)
FLASH AND COUNTERFLASH ROOF CURB
ROOFING
SEAL ALL JOINTS
MINIMUM 14" HIGH FACTORY FABRICATED INSULATED ROOF CURB COMPATIBLE WITH ROOF.
ROOF INSULATION
ROOF STRUCTURE
FRAME ROOF OPENING
BACKDRAFT DAMPER
INTERNALLY LINED EXHAUST DUCT DROP. REFER TO PLANS FOR DUCT SIZES.

E ROOF MOUNTED EXHAUST FAN DETAIL

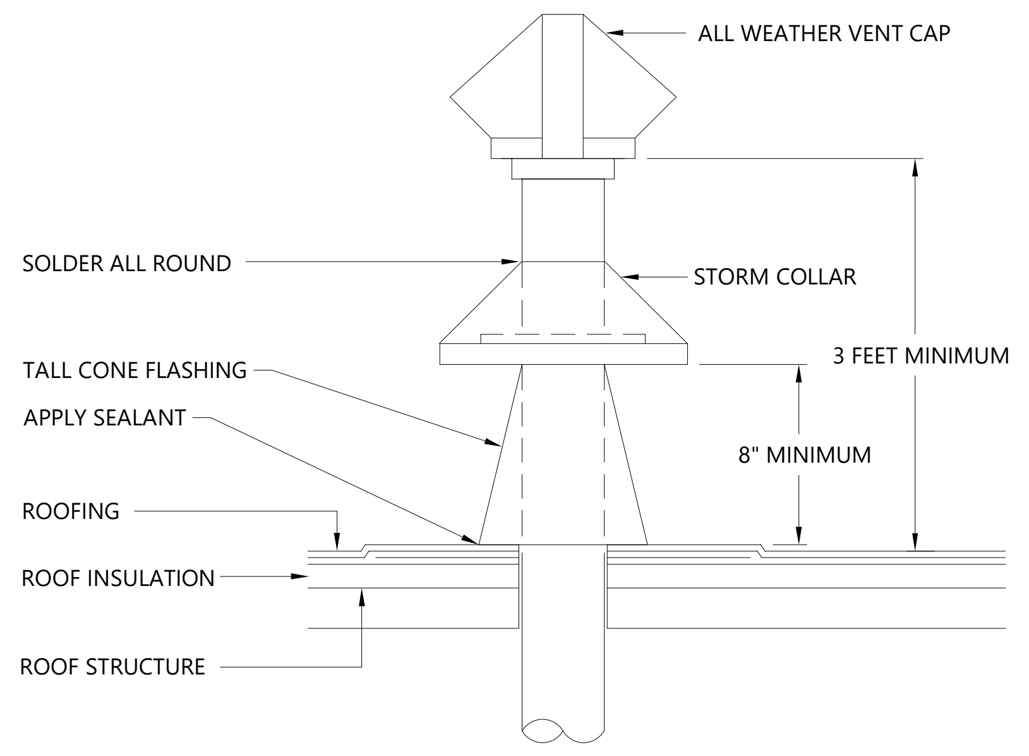
SCALE: NONE


SUPPLY DUCT
BRANCH DUCT
BCW CASING AND STAINLESS WIRE - 50FT MAXIMUM
DAMPER
LOCKING GEAR CONTROLLER
DIFFUSER
INSTALL GEAR ON DAMPER BOARD (SEE PLANS).

NOT TO SCALE. VERIFY ACTUAL DETAILS WITH MANUFACTURER.

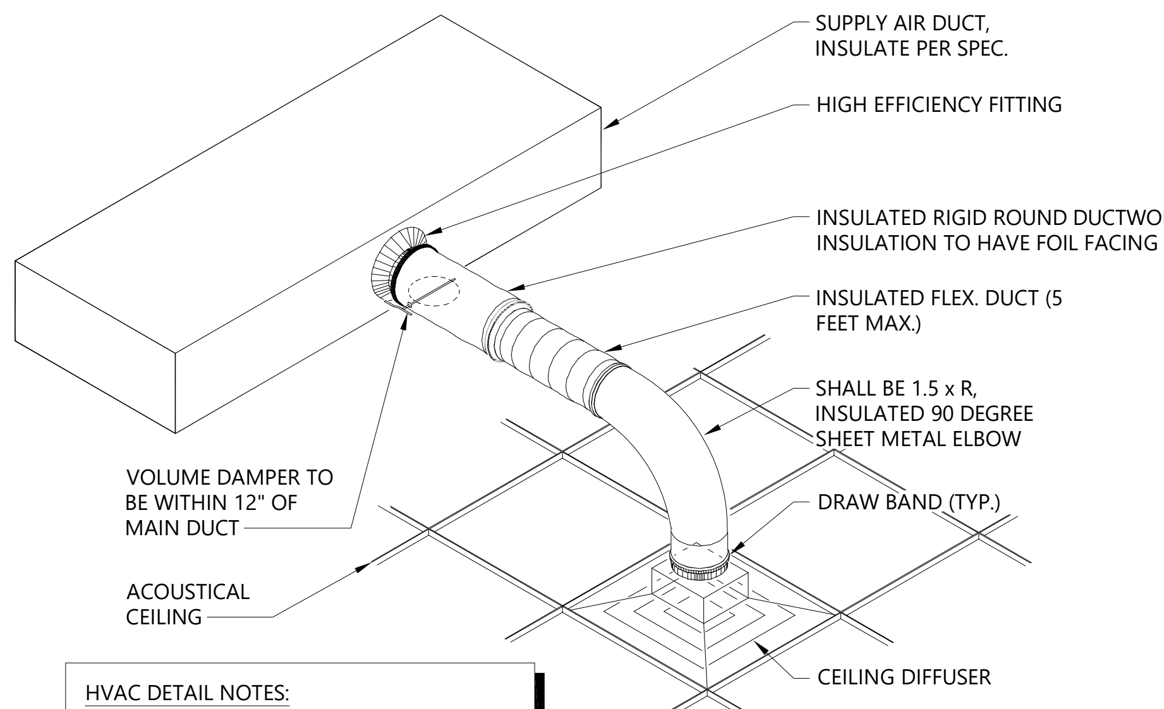
B YOUNG REGULATOR INSTALLED ON BOARD

SCALE: NONE


ALL WEATHER VENT CAP
SOLDER ALL ROUND
STORM COLLAR
TALL CONE FLASHING
3 FEET MINIMUM
APPLY SEALANT
8" MINIMUM
ROOFING
ROOF INSULATION
ROOF STRUCTURE

F VENT THROUGH ROOF DETAIL

SCALE: NONE

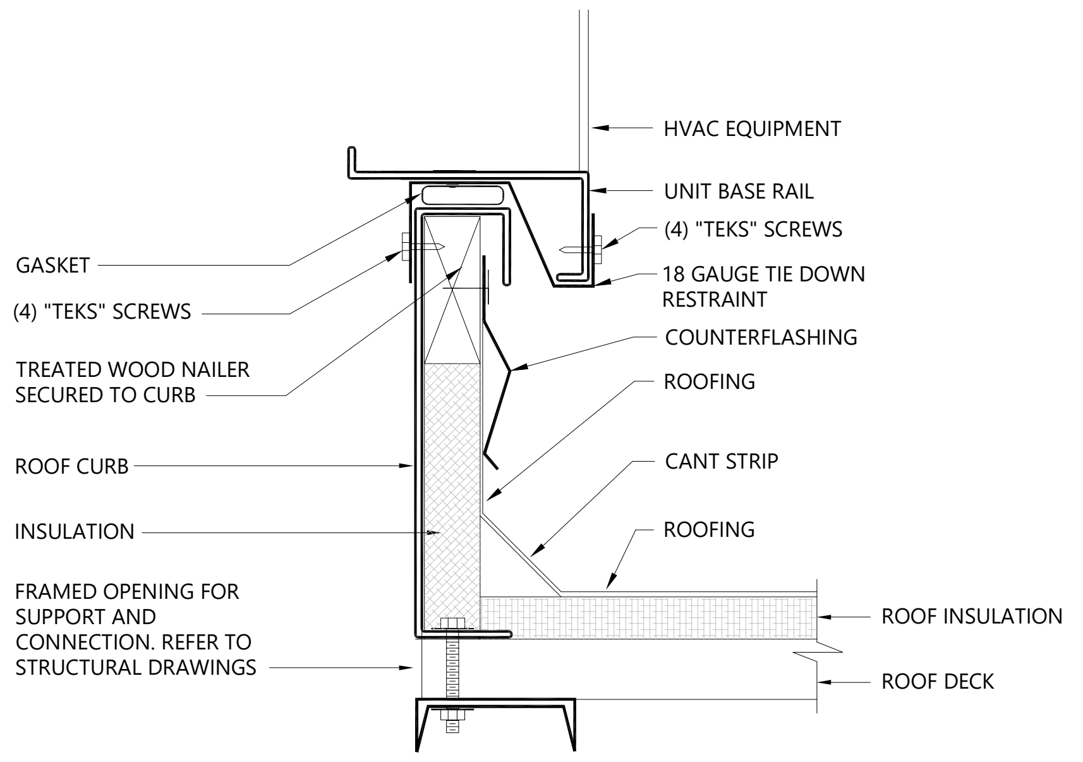

SUPPLY AIR DUCT, INSULATE PER SPEC.
HIGH EFFICIENCY FITTING
INSULATED RIGID ROUND DUCTWORK. INSULATION TO HAVE FOIL FACING (TYP.)
INSULATED FLEX. DUCT (5 FEET MAX.)
SHALL BE 1.5 x R, INSULATED 90 DEGREE SHEET METAL ELBOW
VOLUME DAMPER TO BE WITHIN 12" OF MAIN DUCT
DRAW BAND (TYP.)
ACOUSTICAL CEILING
CEILING DIFFUSER

HVAC DETAIL NOTES:

1. SEE HVAC DRAWINGS FOR DUCT SIZES

C DUCT CONNECTION DETAIL

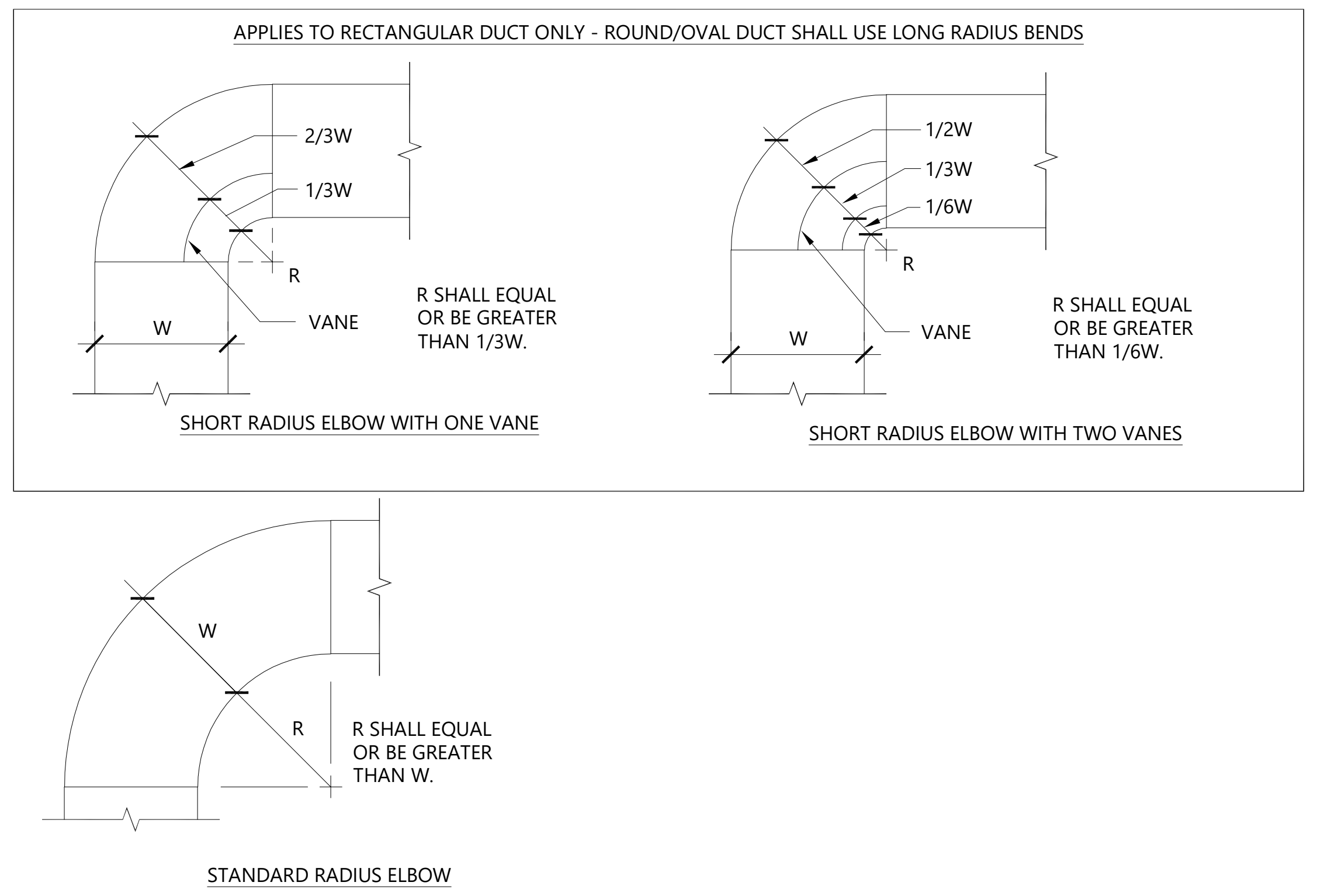
SCALE: NONE


HVAC EQUIPMENT
UNIT BASE RAIL
(4) "TEKS" SCREWS
18 GAUGE TIE DOWN RESTRAINT
GASKET
(4) "TEKS" SCREWS
COUNTERFLASHING
TREATED WOOD NAILER SECURED TO CURB
ROOFING
ROOF CURB
CANT STRIP
INSULATION
ROOFING
FRAMED OPENING FOR SUPPORT AND CONNECTION. REFER TO STRUCTURAL DRAWINGS
ROOF INSULATION
ROOF DECK

G ROOFTOP UNIT CURB DETAIL

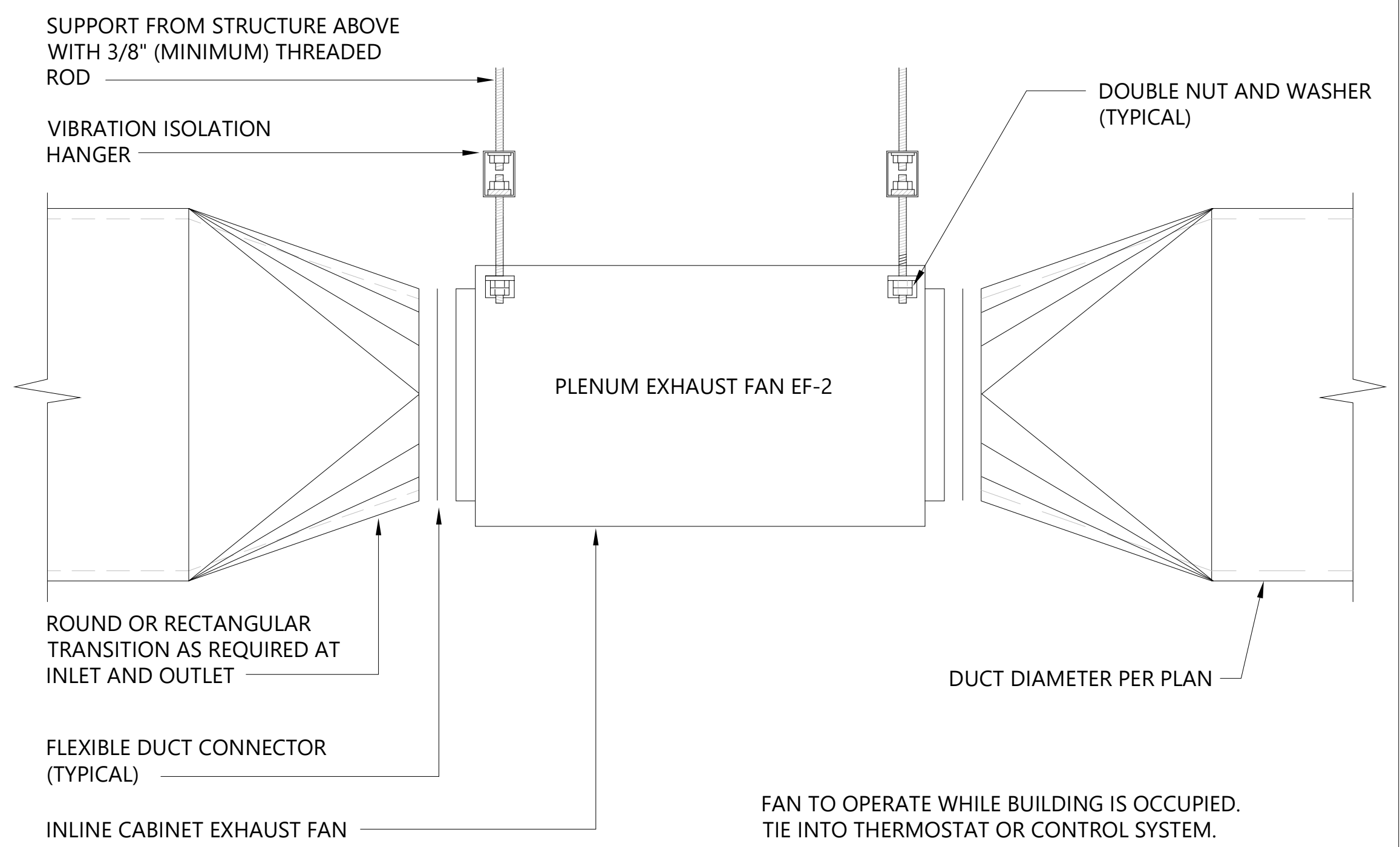
SCALE: NONE

APPLIES TO RECTANGULAR DUCT ONLY - ROUND/OVAL DUCT SHALL USE LONG RADIUS BENDS


2/3W
1/3W
R
W
VANE
R SHALL EQUAL OR BE GREATER THAN 1/3W.
SHORT RADIUS ELBOW WITH ONE VANE
1/2W
1/3W
1/6W
R
W
VANE
R SHALL EQUAL OR BE GREATER THAN 1/6W.
SHORT RADIUS ELBOW WITH TWO VANES
W
R
R SHALL EQUAL OR BE GREATER THAN W.
STANDARD RADIUS ELBOW

D RADIUS ELBOW DETAIL

SCALE: NONE


SUPPORT FROM STRUCTURE ABOVE WITH 3/8" (MINIMUM) THREADED ROD
VIBRATION ISOLATION HANGER
DOUBLE NUT AND WASHER (TYPICAL)
PLENUM EXHAUST FAN EF-2
ROUND OR RECTANGULAR TRANSITION AS REQUIRED AT INLET AND OUTLET
DUCT DIAMETER PER PLAN
FLEXIBLE DUCT CONNECTOR (TYPICAL)
INLINE CABINET EXHAUST FAN

FAN TO OPERATE WHILE BUILDING IS OCCUPIED. TIE INTO THERMOSTAT OR CONTROL SYSTEM.

H INLINE CABINET FAN DETAIL

SCALE: NONE

HVAC SYMBOLS

	SUPPLY AIR DIFFUSER - ARROWS INDICATE PATTERN. NO PATTERN SHOWN EQUALS 4-WAY. OR AS NOTED
	RETURN AIR OR EXHAUST GRILLE (SEE TAG)
12"ø	ROUND DUCTWORK. DIAMETER IN INCHES.
20"X12"	RECTANGULAR DUCTWORK. SIZE IN INCHES, FIRST NUMBER IS SIDE SHOWN.
A / B	DIFFUSER/GRILLE LABEL: A - TYPE/DESIGNATION B - AIRFLOW (CFM)
◐	POINT OF CONNECTION - NEW TO EXISTING
	MANUAL VOLUME DAMPER
#	SHEET KEYNOTE REFERENCE
	PACKAGED ROOFTOP UNIT
	ROOF MOUNTED EXHAUST FAN
	INLINE EXHAUST FAN

RESPONSIBILITY SCHEDULE (HVAC)

SUPPLIED BY / RECEIVED BY / INSTALLED BY / EXISTING / PATCH & REPAIR / RELOCATE / REMARKS

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

DIVISION 15000 - MECHANICAL	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
ACCESS PANELS	GC	GC	GC				COORDINATE WITH TRADES FOR SIZE AND LOCATION.
ROOF WORK	GC	GC	GC				GC TO COORD. WITH LANDLORD WHEN REQUIRED
MECHANICAL DISTRIBUTION, DUCTWORK, DIFFUSERS	GC	GC	GC				
MECHANICAL UNIT(S) & CURBS	T	GC	GC				
CONTROLS FOR MECHANICAL UNIT(S)	GC	GC	GC				WHERE LANDLORD CONTROLS ARE REQUIRED, UTILIZE LANDLORD CONTROLS CONTRACTOR AT GC'S EXPENSE
STRUCTURAL SUPPORTS FOR ROOFTOP UNITS							GC TO PROVIDE STRUCTURAL DESIGN FOR SUPPORT OF ROOF TOP UNITS, INCLUDING SEALED DRAWINGS AND ANY SUBMITTALS.
TOILET ROOM EXHAUST FAN	T	GC	GC				
SMOKE DETECTORS	GC	GC	GC				MECHANICAL CONTRACTOR TO FURNISH AND INSTALL. ELECTRICAL CONTRACTOR TO MAKE FINAL CONNECTIONS

GENERAL NOTES

A. THE CONTRACT DOCUMENTS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES. IF ALTERNATE MANUFACTURERS ARE SUBMITTED OR BID, IT IS THE RESPONSIBILITY OF THIS G.C. TO COORDINATE ALL DIFFERENCES AND IMPACTS WITH ALL TRADES PRIOR TO BID, INCLUDING COSTS ASSOCIATED WITH REQUIRED CHANGES TO OTHER TRADES. NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE G.C.'S OPTION.

B. EXISTING MECHANICAL INFORMATION IS BASED ON LIMITED EXISTING BUILDING DRAWINGS AND FIELD WORK. 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 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 CONFLICT ARISE.

G. MOUNTING OF ALL EQUIPMENT, DUCTWORK AND PIPING SHALL 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. DUCTWORK CONCEALED ABOVE CEILINGS, AND ALL OUTSIDE AIR DUCTS, SHALL BE EXTERNALLY INSULATED. DUCTWORK INSTALLED IN NON-CONDITIONED SPACES SHALL BE INSULATED WITH 2" FIBERGLASS INSULATION AND VAPOR BARRIER.

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

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

M. G.C. SHALL REPLACE 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 EXTRAORDINARY MEASURES.

O. TENANT RESERVES THE RIGHT TO CHECK CONSTRUCTION COMPLIANCE WITH PLANS AND SPECIFICATIONS. SHOULD TENANT FIND CORRECTIVE WORK NECESSARY, THEY WILL NOTIFY G.C. OF SUCH WORK IN WRITING AND EXPECT COMPLIANCE PERFORMED WITH DUE DILIGENCE. IF CORRECTIVE WORK IS DEEMED TO BE NECESSARY, 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 G.C. CAN NOT ACCOMPLISH THE TASK, THEN AFTER 72 HOURS OF WRITTEN NOTICE, THE TENANT MAY AT THEIR DISCRETION TAKE OVER SUCH WORK AND BACK CHARGE THE G.C. FOR 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.

3. INSULATE ALL SUPPLY DUCTWORK PER APPLICABLE ENERGY/MECHANICAL CODE - MOST RESTRICTIVE TO GOVERN.

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER
DISCIPLINE
PE-2007025514
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMIT WOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816-997-9601
F 816-997-9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582
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THIS SHEET IS PART OF THE CONSTRUCTION DOCUMENTS, OTHER SHEETS INCLUDING SPECIFICATIONS APPLY. THAT SHOWN HEREON IS SCHEMATIC IN NATURE AND NOT TO BE USED AS A SHOP DRAWING; THEREFORE, INCLUDE ALL MODIFICATIONS REQUIRED TO CONFORM TO SITE CONDITIONS AND THE EQUIPMENT AND MATERIAL USED. VERIFY LOCATIONS AND DIMENSIONS OF ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS AS SHOWN ON THEIR RESPECTIVE DOCUMENTS, THESE ELEMENTS ARE SHOWN FOR REFERENCE AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION AND THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE ELEMENTS. NO DESIGN RESPONSIBILITY IS ASSUMED FOR ANY PORTION OF THE WORK THAT THE PROFESSIONAL ENGINEER HAS NOT SIGNED AND SEALED PER STATE/PROVINCE REQUIREMENTS.

Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
MECHANICAL DETAILS, NOTES, & SCHEDULES

Date 10/01/21
Drawn By BLH
Checked By CLK
Sheet M001

MECHANICAL SPECIFICATIONS

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

1. GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) (NSPE)(NEC) AND ANY OF THE TENANT'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
2. REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING; SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
3. ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE TENANT REQUIREMENTS IN ADDITION TO THOSE SPECIFIED.
4. GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.

B. SCOPE OF WORK

1. THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE MECHANICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE TENANT. GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE TENANT A COMPLETE, CODE APPROVED AND OPERATIONAL MECHANICAL SYSTEMS.
2. CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO ENSURE PROPER LOCATIONS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE TENANT BEFORE WORK IS COMMENCED.
3. ALL CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO ALL CONTRACTORS BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
4. ALL EXISTING UTILITY AND MECHANICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE TENANT.
5. THIS GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE OPENINGS WITH THE GENERAL TRADES CONTRACTOR. THE FINAL LOCATIONS AND SIZES OF ALL DUCT AND LOUVER OPENINGS SHALL BE PROVIDED BY THIS CONTRACTOR.
6. THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED MECHANICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
   a. THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL HVAC EQUIPMENT, PIPING, DUCTWORK, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE HVAC SYSTEMS FOR THE NEW RENOVATED AREAS.
   b. ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR.
   c. ALL ABOVE GROUND SERVICES SHALL BE REMOVED BACK TO THEIR RESPECTIVE MAIN AND CAPPED OR IF THE MAIN IS NOT REQUIRED, THE MAIN SHALL BE REMOVED IN IT'S ENTIRETY.
   d. COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS AND THE ARCHITECT AND THE TENANT'S GENERAL REQUIREMENTS.
7. ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND TENANT. WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

1. THE DRAWINGS ARE DIAGRAMMATIC, ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE TENANT.
2. ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
3. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
4. IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE TENANT FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
5. THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTE MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL.
   a. SUBSTITUTIONS
      (1) THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EXACTLY AS INDICATED.
      (2) THE GENERAL CONTRACTOR SHALL SUBMIT FOR APPROVAL, WITH HIS BID QUOTATION, A LIST OF ANY PROPOSED SUBSTITUTIONS OF MATERIALS AND EQUIPMENT FOR THOSE ON WHICH THE ORIGINAL DESIGN WAS BASED. A FULL DESCRIPTION OF ALL PROPOSED SUBSTITUTED ITEMS, THE CHANGE TO THEIR BID PRICE OR OTHER REASONS FOR SUCH SUBSTITUTIONS SHALL ACCOMPANY THE BID. ALL ACCESSORIES, FEATURES, ETC., SUPPLIED WITH THE SUBSTITUTED MANUFACTURER'S PRODUCT SHALL ALSO BE INCLUDED IN THE BID.
      (3) IF THE GENERAL CONTRACTOR DOES NOT SUBMIT PROPOSED SUBSTITUTIONS WITH THEIR BID THE TENANT SHALL CONSIDER THE BIDDER TO BE PROPOSING THE MANUFACTURERS AND MODEL NUMBERS SPECIFIED HEREIN AND SHOWN ON THE CONTRACT DRAWINGS.
      (4) SUBSTITUTIONS AFTER CONTRACT AWARD SHALL NOT BE PERMITTED.
6. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

1. GENERAL CONTRACTOR SHALL INCLUDE A VISIT TO THE JOB SITE AND TAKE INTO CONSIDERATION MECHANICAL, ELECTRICAL AND GENERAL TRADE WORK CURRENTLY EXISTING AND WORK WHICH MAY BE INSTALLED PRIOR TO CONTRACT AWARD. RELOCATION OF DUCTWORK, PIPING AND EQUIPMENT, AS REQUIRED, TO AVOID THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.
2. GENERAL CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AT THE BUILDING SITE BEFORE STARTING ANY FABRICATION OR DOING ANY WORK IN THE FIELD AND SHALL BE RESPONSIBLE FOR THE CORRECT AND PROPER MEASUREMENTS OF HIS WORK ALONG WITH RESOLUTIONS FOR ANY CONFLICT OF SPACE WITH OTHER TRADES.
3. WHERE THE WORK OF TWO OR MORE TRADES INTERFERE WITH EACH OTHER AND A DEVIATION FROM DESIGN IS NECESSARY, NEITHER WORK SHALL PROCEED UNTIL THE TENANT HAS BEEN NOTIFIED OF THE CONFLICT AND THEY HAVE RENDERED A DECISION AS TO WHAT CHANGES SHOULD BE MADE.
4. GENERAL CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE GENERAL CONTRACTOR CAUSING THE DAMAGE.
5. IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AS SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE NORMAL OPERATIONS OF THE FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE TENANT TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE WITH THE TENANT'S OPERATIONS.
6. AREAS TO BE USED FOR STORAGE SHALL BE ONLY AS DIRECTED BY THE TENANT. ALL STORED MATERIAL SHALL BE RELOCATED OR REMOVED FROM THE SITE AS DIRECTED BY THE TENANT.
7. DAILY, AND AT THE COMPLETION OF THE WORK, EACH GENERAL CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS AND DEBRIS CAUSED BY HIS WORK. UPON COMPLETION OF EACH GENERAL CONTRACTOR'S WORK, CONDITIONS OF THE SPACE(S) SHALL BE THE SAME AS FOUND PRIOR TO COMMENCEMENT OF THE WORK. FAILURE TO DO SO MAY RESULT IN THE TENANT'S EMPLOYMENT OF A SEPARATE SERVICE TO OBTAIN THIS CONDITION AND REDUCING THE FACTOR'S CONTRACT AMOUNT BY THE COST OF SUCH A SERVICE.
8. EACH GENERAL CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLECT OF HIS, OR HIS SUB-TRADE'S PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE TENANT BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.

E. METHODS

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

II. INSULATION

A. GENERAL

1. INSTALLATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS, AND IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICES.
2. CLEAN AND DRY SURFACES PRIOR TO INSULATING.
3. EXTEND INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS AND SIMILAR PENETRATIONS.
4. INSULATION JACKET AND FITTING COVER MUST BE PLENUM RATED.
5. IT IS ESSENTIAL THAT THE INTEGRITY OF THE VAPOR-BARRIER BE MAINTAINED. SEAL ALL PENETRATIONS OF THE VAPOR BARRIER BY STAPLES, HANGERS OR WHERE OTHERWISE DAMAGED.
6. MAINTAIN ACCESS TO BALANCING DAMPERS AND VALVES.
7. INSULATION SHALL BE BY OWENS-CORNING, KNAUF, OR MANVILLE.
8. ALL DUCTWORK AND PIPING SHALL BE INSULATED PER REQUIREMENTS OF ASHRAE 90.1, 2018 INTERNATIONAL ENERGY CONSERVATION CODE, NFPA, AND LOCAL CODES. THE FIRST 10 FEET OF RETURN DUCTS SHALL BE INTERNALLY LINED FOR ACOUSTICAL ATTENUATION. OUTSIDE AIR DUCTWORK AND DUCTWORK IN UNCONDITIONED SPACES SHALL ALWAYS BE INSULATED WITH EXTERNAL INSULATION. PIPING SYSTEMS ALWAYS REQUIRING INSULATION INCLUDES, BUT IS NOT LIMITED TO, CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, AND STEAM. INTERNALLY INSULATED DUCTS SHALL HAVE 1 INCH THICK, 1-1/2 LB DENSITY ACOUSTICAL INSULATION (AIR SIDE BLACK COATED TO MEET NFPA). INSULATION SHALL BE INSTALLED PER THE REQUIREMENTS OF THE SMACNA GUIDE AND THE MANUFACTURER'S RECOMMENDATIONS. DUCT SIZES NOTED ON DRAWING ARE INSIDE CLEAR DIMENSIONS. INSULATION WRAP SHALL BE FIBERGLASS, FOIL BACKED WRAPPING. WHERE DUCTS OR PIPING IS EXPOSED, AND REQUIRES INSULATION, PROVIDE FIBERBOARD RIGID INSULATION AND PAINT. PAINT COLOR SHALL BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS, LANDLORD, AND TENANT. WHERE DUCTS OR PIPES ARE OUTSIDE THE BUILDING, AN ALUMINUM JACKET SHALL BE PROVIDED AND INSTALLED OVER THE INSULATION, AND SEALED WEATHERTIGHT.

B. HVAC

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

C. PIPING

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

III. SPRINKLER

A. GENERAL

1. 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.
2. ALL WORK SHALL BE PERFORMED BY A LANDLORD APPROVED, STATE LICENSED SPRINKLER CONTRACTOR.
3. THIS WORK SHALL INCLUDE ALL PIPING, FITTINGS, HANGERS, EQUIPMENT, ETC., REQUIRED TO COMPLETE THE WORK.
4. SPRINKLER HEADS ARE TO BE CENTERED IN LAY-IN CEILING TILES. HEADS ARE TO BE SPACED SYMMETRICALLY WITH LIGHTING AND OTHER CEILING FIXTURES WHEN INSTALLED IN DRYWALL CEILINGS.
5. DETERMINE VOLUME AND PRESSURE OF INCOMING WATER SUPPLY FROM WATER FLOW TEST DATA. REVISE DESIGN WHEN TEST DATA BECOMES AVAILABLE PRIOR TO SUBMITTALS.
6. SUBMITTALS
   a. SHOP DRAWINGS:
      (1) PREPARE AND SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE MECHANICAL GENERAL PROVISIONS.
      (2) SHOW PLANS, CROSS SECTION, ELEVATIONS, DETAILS AND JOB CONDITIONS, RELATIONSHIP TO OTHER WORK. PIPE SIZES, ELEVATIONS ABOVE FLOOR, HEAD LOCATIONS, INSPECTORS TEST CONNECTION, SPRINKLER ENTRANCE, VALVES, ALARMS, BACKFLOW PREVENTER, FLOW SWITCH AND SUPERVISORY DEVICES.
      (3) SUBMIT DATA ON THE FOLLOWING ITEMS:
         (a) PIPING AND COUPLINGS.
         (b) WET ALARM VALVE.
         (c) BACKFLOW PREVENTER.
         (d) VALVES AND SUPERVISORY DEVICES.
         (e) SPRINKLER HEADS AND ESCUTCHEON PLATES.
         (f) SUPPORTS, HANGERS AND ACCESSORIES.
         (g) SEISMIC CALCULATIONS
      (4) SUBMIT AND RECEIVE APPROVAL FROM THE AUTHORITY HAVING JURISDICTION PRIOR TO SUBMITTAL.
      (5) ONCE THE AUTHORITY HAVING JURISDICTION HAS APPROVED SHOP DRAWINGS, THE SUBCONTRACTOR SHALL SEND EIGHT SETS OF APPROVED STAMPED PLANS AND EQUIPMENT CUTS TO THE ARCHITECT FOR APPROVAL.
      (6) PLANS SUBMITTED WITHOUT ALL HYDRAULIC CALCULATIONS WILL BE RETURNED "REJECTED". PROVIDE INDEPENDENT HYDRAULIC CALCULATION SHEETS.
      (7) ALL SPRINKLER PLANS SHALL BEAR THE STAMP OF A REGISTERED PROFESSIONAL FIRE PROTECTION ENGINEER LICENSED WITH THE STATE WHERE THE STORE IS LOCATED.
      (8) AT THE COMPLETION OF THE PROJECT, PROVIDE TENANT WITH OPERATION AND MAINTENANCE MANUALS INCLUDING "AS-BUILT" RECORD DRAWINGS, SPECIFICATIONS AND APPROVED PLANS.

B. CRITERIA

1. GENERAL CONTRACTOR SHALL VERIFY WITH THE LANDLORD'S PROJECT MANAGER FOR ANY ADDITIONAL CRITERIA (PIPE SIZING; PIPE SCHEDULE OR HYDRAULIC).
2. DESIGN AND INSTALL THE SPRINKLER SYSTEM AND PIPING TO CONFORM WITH NFPA 13, ORDINARY HAZARD DESIGN WITH A MAXIMUM SPACING OF 130 SQUARE FEET PER SPRINKLER HEAD IN SALES AREAS AND 100 SQUARE FEET PER HEAD IN STOCK AREAS.
3. THE PROJECT AREA CURRENTLY HAS AN EXISTING SPRINKLER SYSTEM INSTALLED WITH FLUSH SPRINKLER HEADS INSTALLED ON A STANDARD GRID PATTERN. GENERAL CONTRACTOR SHALL DESIGN AND MODIFY THE EXISTING SPRINKLER SYSTEM PIPING AND HEADS. THIS WORK SHALL INCLUDE THE RAISING OF ANY EXISTING SPRINKLER PIPING WHICH INTERFERES WITH DESIGNED CEILING ELEVATIONS. SEE ARCH. DRAWINGS FOR CEILING ELEVATIONS. PROVIDE ANY AUXILIARY DRAIN PIPING REQUIRED FOR ANY TRAPPED SPRINKLER PIPING.
4. SEE ARCH. DRAWINGS FOR CEILING ELEVATIONS.

C. COMPONENTS

1. PROVIDE A WATTS REGULATOR NO. (007-LF 3/4 TO 2.5" 009 2" TO 10") DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER IN THE PIPING TO THE SPRINKLER HEADS IMMEDIATELY FOLLOWING THE CONNECTION TO THE DOMESTIC WATER SYSTEM.
2. FIRE DEPARTMENT CONNECTION: POTTER-ROEMER OR EQUAL SERIES 5020, 4 x 2½ x 2½, WITH ALL STANDARD FEATURES, "AUTO. SPKR." LETTERING, AND THREAD TO MATCH LOCAL FIRE DEPARTMENT REQUIREMENTS. - FLUSH MOUNTED FIRE DEPARTMENT INLET CONNECTION WITH WALL PLATE WITH "AUTOMATIC SPRINKLER" IDENTIFICATION, ALL BRASS CONSTRUCTION AND POLISHED BRASS FINISH. CONTACT THE FIRE DEPARTMENT TO VERIFY FIRE DEPARTMENT CONNECTION TYPE AND TREAD PATTERN TO MATCH THAT OF THE FIRE DEPARTMENT EQUIPMENT. PROVIDE 4" UL LISTED CHECK VALVE WITH BALL DRIP PIPED TO DRAIN.

D. SUPERVISION:

1. THE RISER CONTROL VALVE AND ALL ZONE VALVES SHALL HAVE ELECTRIC SUPER VISION TO SIGNAL THE BUILDING FIRE ALARM SYSTEM. TAMPER SWITCHES PROVIDED BY SPRINKLER SUBCONTRACTOR AND WIRED BY THE ELECTRICAL SUBCONTRACTOR.
2. MECHANICAL: ALL OTHER VALVES SHALL BE PADLOCKED IN STANDARD OPERATING POSITION, WITH 2 KEYS PER PADLOCK AND ALL PADLOCKS SHALL BE KEYED THE SAME. CHAIN AND PADLOCK ALL VALVES OVER 2" SIZE.

E. PIPING

1. PIPING SHALL BE BLACK STEEL PIPE PER NFPA 13.
2. PIPE HANGERS FOR THE SPRINKLER SYSTEM SHALL BE ADJUSTABLE CLEVIS HANGERS WITH APPROPRIATE CLAMP (DEPENDING ON STRUCTURE). ALL PIPING SHALL BE SUPPORTED ON A MAXIMUM OF 10' CENTERS.

F. SPRINKLER HEADS

1. SPRINKLER HEADS IN AREAS WITH CEILINGS SHALL BE CENTRAL SPRINKLER CORP, DIVISION OF TYCO. SERIES TY-L, ½" ORIFICE, RECESSED, POLISHED CHROME PENDANT AUTOMATIC SPRINKLER HEAD WITH TWO PIECE FACTORY WHITE METAL ESCUTCHEON.
2. SPRINKLER HEADS IN AREAS WITH DRYWALL CEILINGS SHALL BE CENTRAL SPRINKLER CORP, DIVISION OF TYCO. ROYAL FLUSH II SERIES RFII, 165 F, WITH A WHITE CEILING PLATE.
3. SPRINKLER HEADS IN AREAS WITH EXPOSED STRUCTURE SHALL BE BRASS UPRIGHT CENTRAL SPRINKLER CORP. DIVISION OF TYCO SERIES TY-L, ½" ORIFICE, 165 F.
4. SPRINKLER SYSTEM TO BE DESIGN BUILD PER BUILDING CRITERIA, LOCAL CODES AND LUXOTTICA STANDARDS.

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 THEIR INSTALLATION WITH THE APPROPRIATE EQUIPMENT SUPPLIER AND SHALL REVISE THE DESIGN AS REQUIRED TO MATCH THE EQUIPMENT BEING SUPPLIED. THIS GENERAL CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO CONNECT ALL EQUIPMENT TO THE PIPING SYSTEMS INCLUDING BUT NOT LIMITED TO; CONDENSATE, REFRIGERANT, CHILLED WATER, HEATING HOT WATER, CONDENSER WATER, STEAM, ETC.
5. FIRE STOPPING - REFER TO ARCHITECTURAL DRAWINGS FOR WALL TYPE AND UL CONSTRUCTION DESIGN NUMBER. FOR RATED MASONRY WALL AND FLOOR ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER C-AJ-1175. FOR RATED GYPSUM BOARD ASSEMBLIES, PROVIDE A UL APPROVED THROUGH-PENETRATION FIRE STOP SYSTEM NUMBER W-L-1003.

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. SUPPLY AIR DUCTWORK - 2" W.G. POSITIVE PRESSURE, SEAL CLASS A.
   b. RETURN & EXHAUST DUCTWORK - 2" W.G. NEGATIVE PRESSURE, SEAL CLASS B.
2. ROUND DUCT ELBOWS SHALL BE LONG SWEEP, 1-1/2 TIMES THE CENTERLINE RADIUS UNLESS CLEARANCE IS NOT AVAILABLE AT WHICH TIME MITERED ELBOWS WITH TURNING VANES SHALL BE UTILIZED.
3. RECTANGULAR ELBOWS SHALL BE FURNISHED WITH DOUBLE THICKNESS TURNING VANES. TURNING VANES SHALL BE FASTENED WITH A DOUBLE ROW OF SCREWS.
4. FLEXIBLE CONNECTIONS AT THE INLET AND OUTLET OF THE RTU. INSTALL FLEXIBLE CONNECTIONS WITH 3" WIDE DOUBLE NEOPRENE COATED FLAME RETARDANT, NFPA 90A APPROVED, FIBERGLASS FLEXIBLE CONNECTION. FLEXIBLE CONNECTION TO HAVE A MINIMUM OF 24 GAGE, 3" WIDE SHEET METAL COLLARS PERMANENTLY ATTACHED TO EACH SIDE.
5. MITERED OFFSETS GREATER THAN 30 DEGREES IN EITHER DIRECTION SHALL NOT BE PERMITTED.
6. CHANGES IN DUCT SIZES SHALL BE MADE BY UNIFORM TAPER SECTION WITH A MAXIMUM INCLUDE ANGLE OF DIVERGENCE OF 15 DEGREES.
7. RECTANGULAR BALANCING DAMPERS - RUSKIN MD25 SHALL BE SINGLE BLADE UP TO 6" IN HEIGHT AND 36" IN WIDTH, AND RUSKIN MD35 MULTI-BLADE FOR LARGER SIZES. ALL ROUND BALANCING DAMPERS SHALL BE COMMERCIAL GRADE SINGLE BLADE UP TO 16" IN DIAMETER SHALL INCORPORATE LOCKING TYPE INDICATING ADJUSTMENT. BALANCING DAMPERS SHALL BE INSTALLED IN ALL BRANCH DUCTS OFF MAIN AND ON ALL TAPS OFF DUCTS TO DIFFUSERS UNLESS OTHERWISE NOTED ON DRAWINGS.
8. FINAL CONNECTIONS TO DIFFUSERS MAY BE MADE WITH FLEXIBLE DUCTWORK BUT ITS USE IS LIMITED TO STRAIGHT HORIZONTAL OR VERTICAL RUNS. ALL CHANGES OF DIRECTION IN AN DUCT SYSTEM (GALVANIZED OR FLEXIBLE) SHALL BE MADE WITH AN APPROPRIATE GALVANIZED ELBOW. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT IS 5'-0".
9. FLEXIBLE DUCTS TO DIFFUSERS SHALL BE ATCO RUBBER PRODUCTS, INC. MODEL UPC #070, INSULATED (R=4.2), U.L. 181 RATED AND CLASS 1 AIR CONNECTOR. MAXIMUM LENGTH OF FLEXIBLE DUCT TO DIFFUSER TO BE 5'-0".
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 FUSIBLE LINK. DOOR SHALL BE SIZED TO ALLOW FOR EASY SERVICE AND ACCESSIBILITY. ACCESS DOORS SHALL BE A MINIMUM OF 24" IN THE LONGEST DIMENSION.
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. 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 MECHANICAL 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.

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.

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER — PE-2007025514
DISCIPLINE — LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 — +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 — +1 (860) 431-9700

STORE # 1643
SUMMIT WOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

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Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816-997-9601
F 816-997-9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
MECHANICAL SPECIFICATIONS

Date 10/01/21
Drawn By BLH
Checked By CLK
Sheet M002

2018 INTERNATIONAL MECHANICAL CODE TABLE 403.3.1.1 VENTILATION SUMMARY

OCCUPANCY CATEGORY	PEOPLE OUTDOOR AIR RATE - (Rp) (CFM/PERSON)	AREA OUTDOOR AIR RATE - (Ra) (CFM/SQ.FT.)	OCCUPANCY DENSITY P/1,000 SQ.FT.	OCCUPANCY CLASSIFICATION P/1,000 SQ.FT.	CALCULATED OCCUPANCY DENSITY	ZONE OCCUPANCY OVERRIDE	PEOPLE EXPECTED TO OCCUPY THE ZONE - (Pz)	Rp*Pz	Ra*Az	AREA - (Az) SQ.FT.	ZONE AIR DISTRIBUTION EFFECTIVENESS - Ez	BREATHING ZONE OUTDOOR AIRFLOW - (Vbz) CFM	ZONE OUTDOOR AIRFLOW (Voz) Voz=Vbz/Ez	ZONE PRIMARY AIRFLOW (Vpz)	PRIMARY OUTDOOR AIR FRACTION (Zp) Zp=Voz/Vpz	OCCUPANT DIVERSITY RATIO (D)	UNCORRECTED OUTDOOR AIR INTAKE (Vou) CFM	SYSTEM VENTILATION EFFICIENCY Ev	CORRECTED OUTDOOR AIRFLOW (Vot) CFM	PROVIDED OUTDOOR AIRFLOW CFM
RTU-1																				
Sales	7.5	0.12	15	SALES	29	—	29	218	227	1892	0.8	445	556	3600	0.15		445		556	
	SYSTEM POPULATION INCLUDING DIVERSITY (Ps) =						29							MAX. Zp =	0.15	1.00	445	0.80	556	600
RTU-2																				
Alcove	5.0	0.06	5	OFFICE	1	—	1	5	4	65	0.8	9	11	150	0.07		9		9	
Back of House	5.0	0.06	5	OFFICE	1	—	1	5	4	73	0.8	9	12	200	0.06		9		10	
Contacts	5.0	0.06	5	OFFICE	1	—	1	5	7	116	0.8	12	15	200	0.07		12		12	
Electrical	—	0.12	—	STORAGE	—	—	—	—	7	57	0.8	7	9	200	0.04		7		7	
Exam 1	5.0	0.06	5	OFFICE	1	—	1	5	9	146	0.8	14	17	150	0.11		14		14	
Exam 2	5.0	0.06	5	OFFICE	1	—	1	5	9	151	0.8	14	18	200	0.09		14		14	
Hall	—	0.06	—	CORRIDOR	—	—	—	—	15	243	0.8	15	18	100	0.18		15		15	
Lab	5.0	0.06	5	OFFICE	1	—	1	5	10	161	0.8	15	18	300	0.06		15		15	
Office	5.0	0.06	5	OFFICE	1	—	1	5	4	70	0.8	9	12	150	0.08		9		9	
Pretest	5.0	0.06	5	OFFICE	1	—	1	5	8	136	0.8	13	16	250	0.07		13		14	
Restrooms	—	—	—	RESTROOM	—	—	—	—	—	119	0.8	—	—	100	—		—		—	
	SYSTEM POPULATION INCLUDING DIVERSITY (Ps) =						8							MAX. Zp =	0.18	1.00	117	0.97	120	300

GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	SDS-L	SDR-L	S-1	R-1	E-1
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	FL-15-HT	FL-15	OMNI	350RL	OMNI
TYPE	LINEAR SLOT DIFFUSER	LINEAR SLOT RETURN	SQUARE PLAQUE DIFFUSER	LOUVERED RETURN GRILLE	SQUARE PLAQUE DIFFUSER
NECK SIZE (L"XW")	PER PLAN	PER PLAN	PER PLAN	22"X10"	PER PLAN
FACE SIZE (L"XW")	(1) SLOT L=LENGTH	(1) SLOT L=LENGTH	24"X24"	24"X12"	12"X12"
FRAME TYPE	22	22	LAY-IN	LAY-IN	LAY-IN
FINISH	PER ARCHITECT	PER ARCHITECT	PER ARCHITECT	PER ARCHITECT	PER ARCHITECT
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
ACCESSORIES	LSP	LS,LSP			OBD,TRM
NOTES	1,2	1,2,3			

ACCESSORIES:
LS-LIGHT SHEILD, LSP-INSULATED LINEAR SLOT PLENUM, OBD-OPPOSED BLADE DAMPER, TRM-RAPID MOUNT SHEETROCK FRAME

NOTES:
1) PROVIDE YOUNG REGULATOR TO CONTROL BALANCING DAMPER. LOCATE CONTROLLER ABOVE CEILING AT DAMPER BOARD.
2) PROVIDE ALL END CAPS WITH BORDERS AND MOUNTING HARDWARE AS REQUIRED FOR COMPLETE INSTALLATION.
3) PROVIDE INSULATED LINEAR SLOT PLENUM WHERE SHOWN ON PLAN.

EXHAUST AND VENTILATION FAN SCHEDULE (FURNISHED BY NEXTORE)

MARK (EF-#)	1	2	
MANUFACTURER	COOK	COOK	
MODEL	90C17DL(VF)	GN-642	
TYPE	CENTRIFUGAL DOWNBLAST	INLINE	
DRIVE TYPE	DIRECT	DIRECT	
PERFORMANCE			
AIR FLOW (CFM)	200	500	
EXT. STATIC (IN W.C.)	0.375	0.375	
FAN SPEED (RPM)	1,296	1,500	
ELECTRICAL			
VOLTS/Ø/HZ	120/1/60	120/1/60	
FAN MOTOR WATTS	20	165	
ACCESSORIES	BD,BS,DS,FSC,RC	BD,DS,FSC	
APPROX. WEIGHT (LBS)	50	40	
SERVES	RESTROOMS	SALES	
NOTES	1	1,2	

BD-BACKDRAFT DAMPER, BS-BIRD SCREEN, DS-PRE-WIRED DISCONNECT SWITCH, FSC-FACTORY MOUNTED AND WIRED FAN SPEED CONTROL, RC-14" ROOF CURB

NOTES:
1) FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS. INTERLOCK WITH TIME CLOCK.
2) TRANSFER FAN FOR HEAT DISSIPATION OFF TOP OF VIDEO WALLS.

ROOFTOP UNIT SCHEDULE (FURNISHED BY NEXTORE)

MARK (RTU- #)	1	2	
MANUFACTURER	TRANE	TRANE	
MODEL	YHD150G3RL	YHC060F3RL	
AIR FLOW (CFM)	5,250	2,000	
OA FLOW (CFM)	600	300	
AMBIENT OAT (*F)	100	100	
EXTERNAL STATIC (IN. W.C.)	0.8	0.8	
DX COOLING COIL			
EAT (*FDB/WB)	79.0/64.2	79.6/64.8	
TOTAL (BTU/HR)	139,970	57,770	
SENSIBLE (BTU/HR)	109,340	46,980	
GAS HEAT			
FUEL	NATURAL GAS	NATURAL GAS	
INPUT (BTU/HR)	150,000	60,000	
OUTPUT (BTU/HR)	120,000	49,000	
ELECTRICAL			
VOLTS/Ø/HZ	208/3/60	208/3/60	
MOTOR HP	3	1	
UNIT MCA	66	30	
MOCP AMPS	80	45	
APPROX. WEIGHT (LBS)	2,750	1,100	
EER (SEER)	12.1	(15.0)	
NOTES	1-14	1-11,15	

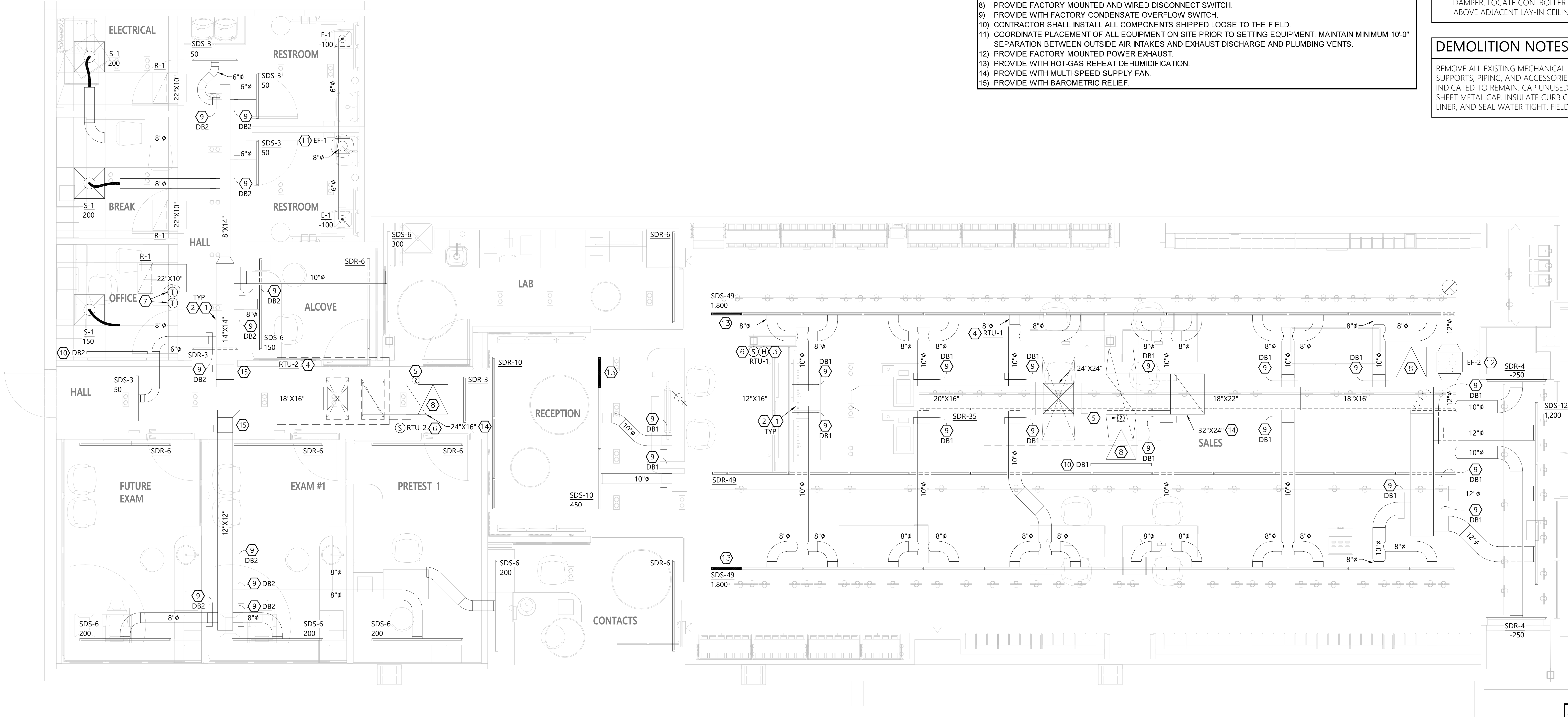
NOTES:
1) PROVIDE FACTORY FABRICATED 14" HIGH ROOF CURB.
2) PROVIDE FACTORY INSTALLED LOW-LEAK COMPARATIVE ENTHALPY ECONOMIZER WITH FAULT DETECTION DIAGNOSTICS.
3) SET MINIMUM OUTSIDE AIR AS SPECIFIED ABOVE. FOR RTU-1 FIELD SET 2 MINIMUM POSITIONS TO MAINTAIN SCHEDULED OUTSIDE AIR FLOW RATE AT SUPPLY FAN MINIMUM AND MAXIMUM SPEEDS. OUTSIDE AIR DAMPER SHALL FULLY CLOSE ON UNIT SHUTDOWN.
4) PROVIDE FACTORY MOUNTED WEATHERHOOD AND BIRSCREEN.
5) PROVIDE UNIT WITH LOUVERED HAIL GUARDS.
6) PROVIDE 5 MINUTE COMPRESSOR RESTART TIME DELAY.
7) PROVIDE FILTER RACK AND 2 SETS OF DISPOSABLE FILTERS.
8) PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH.
9) PROVIDE WITH FACTORY CONDENSATE OVERFLOW SWITCH.
10) CONTRACTOR SHALL INSTALL ALL COMPONENTS SHIPPED LOOSE TO THE FIELD.
11) COORDINATE PLACEMENT OF ALL EQUIPMENT ON SITE PRIOR TO SETTING EQUIPMENT. MAINTAIN MINIMUM 10'-0" SEPARATION BETWEEN OUTSIDE AIR INTAKES AND EXHAUST DISCHARGE AND PLUMBING VENTS.
12) PROVIDE FACTORY MOUNTED POWER EXHAUST.
13) PROVIDE WITH HOT-GAS REHEAT DEHUMIDIFICATION.
14) PROVIDE WITH MULTI-SPEED SUPPLY FAN.
15) PROVIDE WITH BAROMETRIC RELIEF.

⟨#⟩ KEY NOTES - MECHANICAL PLAN

1. PROVIDE DAMPERS PER DETAIL.
2. PROVIDE DUCT TAKE OFFS PER DETAIL. HIGH EFFICIENCY FITTINGS SHALL BE USED. SEE DETAIL.
3. PROVIDE HUMIDITY SENSOR. MOUNT 48" ABOVE FINISHED FLOOR. HUMIDITY SENSOR SHALL CONTROL REFRIGERATION SYSTEM AND INITIATE HOT GAS REHEAT AS REQUIRED TO MAINTAIN SPACE HUMIDITY AT 55% RH.
4. INSTALL ROOFTOP UNIT AND CURB FURNISHED BY NEXTORE. COORDINATE UNIT WITH STRUCTURE. SHIM UNIT AND CURB LEVEL FOR PROPER CONDENSATE DRAINAGE. PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN AIR DUCT CONNECTIONS. TRANSITION TO DUCT SIZES SHOWN.
5. DUCT MOUNTED SMOKE DETECTOR FURNISHED BY FIRE ALARM CONTRACTOR AND INSTALLED IN DUCT BY MECHANICAL CONTRACTOR. INTERLOCK WIRING BETWEEN FIRE ALARM SYSTEM RELAY AND UNIT SHUTDOWN CONTACT SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ALL OTHER WIRING BY FIRE ALARM CONTRACTOR. UPON DETECTION OF SMOKE, ROOFTOP UNIT SHALL SHUT DOWN UPON SIGNAL FROM FIRE ALARM SYSTEM.
6. PROVIDE REMOTE TEMPERATURE SENSOR. MOUNT 48" ABOVE FINISHED FLOOR. CONNECT TO MAIN THERMOSTAT.
7. PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT WITH AUTO-CHANGEVOVER AND AUTOMATIC START CAPABILITY. MOUNT THERMOSTAT 48" ABOVE FINISHED FLOOR.
8. PROVIDE 24"X24" ACCESS PANEL IN CEILING. COORDINATE TYPE AND COLOR OF ACCESS PANEL WITH ARCHITECT.
9. DAMPER IS INSTALLED ABOVE GYPSUM BOARD CEILING. PROVIDE YOUNG REGULATOR AND BOWDEN CABLE. SEE DETAIL. PROVIDE CABLE OPERATED DAMPERS WHERE DAMPERS ARE INSTALLED OVER GYPSUM BOARD CEILING.
10. GROUP DAMPER ACTUATORS AT BOARD ABOVE CEILING, AND ACCESSIBLE FROM BELOW.
11. INSTALL ROOF MOUNTED EXHAUST FAN FURNISHED BY NEXTORE.
12. INSTALL INLINE EXHAUST FAN FURNISHED BY NEXTORE. SUPPORT FAN FROM STRUCTURE ABOVE WITH STEEL CHANNEL AND THREADED ROD WITH VIBRATION ISOLATORS. PROVIDE FLEXIBLE CONNECTORS ON THE INLET AND DISCHARGE DUCT CONNECTIONS. TRANSITION FROM FAN DISCHARGE TO DUCT SIZE SHOWN. EXTEND EXHAUST DUCT UP THROUGH ROOF. PROVIDE ROOF JACK, STORM, COLLAR, AND ALL WEATHER CAP.
13. SHADED PORTION OF DIFFUSER INDICATES AN AREA OF NO AIRFLOW.
14. PROVIDE RETURN AIR BOOT WITH ACOUSTICAL DUCT LINER. LINER SHALL BE 1" THICK 2 PCF DENSITY, LONG TEXTILE TYPE FIBER, WITH SURFACE CLEANABLE PER NAIMA DUCT CLEANING GUIDELINES. INSTALL LINER IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS. LAMINATE LINER TO INTERNAL SURFACES OF DUCT IN ACCORDANCE WITH LINER MANUFACTURER'S INSTRUCTIONS, AND FASTEN WITH MECHANICAL FASTENERS. ELBOW END OF DUCT UP 4".
15. PROVIDE RECTANGULAR YOUNG REGULATOR TO CONTROL VOLUME DAMPER. LOCATE CONTROLLER ABOVE CEILING AT ACCESS PANEL OR ABOVE ADJACENT LAY-IN CEILING.

DEMOLITION NOTES

REMOVE ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, HANGERS, SUPPORTS, PIPING, AND ACCESSORIES ONLY SERVING THIS SPACE AND NOT INDICATED TO REMAIN. CAP UNUSED ROOF CURBS WITH 18 GAUGE GALVANIZED SHEET METAL CAP. INSULATE CURB CAPS WITH 2" THICK 2 PCF DENSITY DUCT LINER, AND SEAL WATER TIGHT. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID.



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

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER | PE–2007025514
DISCIPLINE | LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA

4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643
SUMMIT WOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582
T 816–997–9601
F 816–997–9602
DialecticEng.com

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
MECHANICAL PLAN

Date 10/01/21
Drawn By BLH
Checked By CLK
Sheet M200

PLUMBING SPECIFICATION

THE WORK INCLUDES MODIFICATION TO THE EXISTING PLUMBING SYSTEM AND PROVIDING NEW MATERIALS, FITTINGS AND ACCESSORIES NECESSARY FOR A COMPLETE FUNCTIONING PLUMBING SYSTEM. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES AND/OR ORDINANCES AND IS SUBJECT TO INSPECTION.

HOOK-UP CHARGES, PERMITS AND ALL OTHER EXPENSES RELATED TO A COMPLETE AND FUNCTIONING PLUMBING SYSTEM ARE INCLUDED AS A PART OF THIS SECTION.

THE INTENT OF THE DRAWINGS IS TO INDICATE THE GENERAL EXTENT OF WORK REQUIRED FOR THE PROJECT. THE DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, FIXTURES AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. REFER TO MANUFACTURER'S STANDARD ROUGH-IN DRAWINGS FOR PLUMBING FIXTURE INSTALLATION REQUIREMENTS AND COMPLY WITH ALL APPLICABLE ADA INSTALLATION REQUIREMENTS.

COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE.

PIPING SYSTEMS - GENERAL: ALL PIPING SHALL BE RUN PARALLEL TO BUILDING LINES AND SUPPORTED AND ANCHORED AS REQUIRED TO FACILITATE EXPANSION AND CONTRACTION. ALL PIPING SHALL BE CONCEALED EXCEPT IN UNFINISHED SPACES. INSTALL AS REQUIRED TO MEET ALL CONSTRUCTION CONDITIONS AND TO ALLOW FOR INSTALLATION OF OTHER WORK SUCH AS DUCTS AND ELECTRICAL CONDUIT. AT ALL CONNECTIONS BETWEEN FERROUS PIPING AND NONFERROUS PIPING PROVIDE AN ISOLATING DIELECTRIC UNION. ALL HANGERS SHALL BE COMPATIBLE WITH PIPING MATERIAL TO PREVENT CORROSION.

PROVIDE ALL FITTINGS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY TO FACILITATE THE PLUMBING SYSTEM'S FUNCTIONING AS INDICATED BY THE DESIGN AND THE EQUIPMENT INDICATED.

FIXTURES/EQUIPMENT FURNISHED BY OTHERS: PLUMBING CONTRACTOR SHALL PROVIDE UTILITY CONNECTIONS REQUIRED SUCH AS WATER, GAS, SUPPLIES, WASTE OUTLET AND TRAPS AT ALL PLUMBING TYPE FIXTURES OR EQUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, AND EQUIPMENT SUPPLIER. INCLUDED ARE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION FITTINGS.

SANITARY SEWER PIPING: PROVIDE ALL DRAINS AND PIPING WITHIN THE PROJECT SPACE WITH CONNECTION TO THE EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR HUBLESS CAST-IRON PIPE AND FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE ABS/PVC PLASTIC PIPE WITH SOLVENT WELD FITTINGS, OR SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED AT 1/4" PER FOOT FOR PIPE SIZES 3" AND SMALLER AND 1/8" PER FOOT FOR PIPE SIZES 4" AND LARGER, UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS.

SANITARY VENT PIPING: PROVIDE A COMPLETE SYSTEM OF ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR STANDARD WEIGHT CAST IRON NO-HUB PIPE AND FITTINGS. THE VENT SYSTEM SHALL BE CONNECTED TO THE LANDLORD SYSTEM OR CARRIED THROUGH THE ROOF WITH APPROPRIATE FLASHING.

CONDENSATE AND INDIRECT DRAIN PIPING: TYPE M COPPER TUBING UP TO 1" ID, TYPE DWV COPPER TUBING AND FITTINGS FOR 1-1/4" AND LARGER SIZES.

STORM WATER PIPING: PROVIDE ALL STORM DRAINS AND PIPING WITHIN PROJECT SPACE WITH CONNECTION TO EXISTING STORM SYSTEMS ON-SITE. STORM PIPING ABOVE FLOOR SHALL BE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR HUBLESS CAST-IRON PIPE AND FITTINGS AND CONNECTIONS. STORM PIPING BELOW GRADE SHALL BE ABS/PVC PLASTIC PIPE, WITH SOLVENT WELD FITTINGS, OR SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINT SYSTEM. NO ABS/PVC PLASTIC PIPING IS ALLOWED WITHIN CEILING VOIDS IF USED FOR NON-DUCTED RETURN AIR PLENUMS. ALL STORM PIPING SHALL BE UNIFORMLY PITCHED AT MINIMUM 1/8" PER FOOT UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON DRAWINGS.

CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL STORM, WASTE AND DRAIN PIPES. CLEANOUTS SHALL BE OF THE SAME SIZE AS THE PIPES THEY SERVE, CONFORMING TO CODE REQUIREMENTS. PROVIDE SUITABLE WALL OR FLOOR CLEANOUTS WITH ACCESSORIES TO OBSCURE FROM VIEW. PROVIDE FLOOR MAKER IF BELOW RAISED FLOOR.

WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. ABOVE GRADE HOT AND COLD WATER MAINS SHALL BE 1/2" MINIMUM TYPE L COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS. ABOVE GRADE HOT AND COLD WATER BRANCHES SHALL BE 1/2" MINIMUM CROSS-LINKED POLYETHYLENE (PEX) TUBING COMPLIES WITH REQUIREMENTS OF ASTM F876 AND F877 AND CROSS-LINKING METHOD MUST BE TYPE A METHOD WITH ENGINEERED PLASTIC FITTINGS, REINFORCEMENT RINGS. BELOW GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE K COPPER TUBING WITH WROUGHT COPPER FITTINGS, AND SWEAT CONNECTIONS. PROVIDE WATER HAMMER ARRESTERS AT EACH FIXTURE OR GROUP OF FIXTURES AS REQUIRED. INSTALL CHROME PLATED BRASS ESCUTCHEON PLATES AT ALL PENETRATIONS THROUGH FINISHED SURFACES (INCLUDING CABINET INTERIORS). USE LEAD FREE OR TIN-ANTIMONY SOLDER, 95/5 FOR ALL SWEAT FITTINGS OF COPPER PIPING.

DEDUCT ALTERNATE: COPPER PRESS FITTINGS WITH 50-YEAR WARRANTY IN PLACE OF WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS.

PIPE INSULATION: RIDGE ONE-PIECE FIBERGLASS PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 547, SELF-SEALING ADHESIVE LAP LONGITUDINAL JOINTS AND BUTT STRIPS FOR TRANSVERSE JOINTS. JACKETING SHALL CONFORM TO ASTM C 1136, TYPE I, MAXIMUM VAPOR TRANSMISSION RATING OF 0.02 PERM WHEN TESTED ACCORDING TO ASTM E 96, PROCEDURE A. (K VALVE) 0.25 BTU/IN./HR. * FT2 * °F AT 75°F MEAN TEMPERATURE WITH A MINIMUM R-VALVE OF R4.

PROVIDE INSULATION THICKNESS AS INDICATED:
DOMESTIC COLD WATER PIPING 1" AND SMALLER: 1/2" THICKNESS.
DOMESTIC COLD WATER PIPING 1-1/4" - 2": 3/4" THICKNESS.
PLUMBING VENT PIPING WITHIN 6 FEET OF ROOF OUTLET: 1" THICKNESS.
CONDENSATE PIPING: 1/2" THICKNESS.
DOMESTIC HOT WATER PIPING 2" AND SMALLER: 1" THICKNESS.
DOMESTIC HOT WATER RETURN PIPING: 3/4" THICKNESS.

WATER AND WASTE PIPING BELOW HANDICAP LAVATORIES/SINKS:
PIPE INSULATION: PROVIDE TRUBRO "LAVGUARD 2" PREMANUFACTURERED ADA TRAP AND SUPPLY PROTECTION OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

SHUTOFF VALVES WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, OR OTHER EQUIPMENT ITEMS TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. PIPE LINE VALVES SHALL BE EQUAL TO CRANE SERIES #9202, QUARTER TURN BALL VALVE. CONSTRUCTION - TWO PIECE, BRONZE BODY, FULL PORTED, CHROME PLATED BRASS BALL, REPLACEABLE "TEFLON OR TFE" SEATS AND SEALS. RATING - 150 PSI WSP, 600 PSI WOG. CONNECTIONS - SOLDER OR THREADED ENDS TO MATCH PIPING. STANDARDS COMPLIANCE - BRONZE OR BRASS VALVES: MSS-SP-110. WHEN SHUTOFF VALVE ARE PLACE IN THE CEILING THE VALVES WILL BE LOCATED AT A MAXIMUM OF 12" ABOVE THE CEILING, AND NOTHING SHALL BE PLACE BETWEEN THE CEILING ACCESS AND THE VALVES.

ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES AND VALVES ARE CONCEALED WITHIN WALLS. WHERE ACCESS FOR ADJUSTMENT AND MAINTENANCE IS POSSIBLE THROUGH LAY-IN SUSPENDED CEILINGS ACCESS PANELS ARE NOT REQUIRED.

INSTALLATION: THOROUGHLY CLEAN ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. PROCEED AS RAPIDLY AS CONSTRUCTION WILL PERMIT. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SUPPLIES IN PROPER ALIGNMENT WITH FIXTURES. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL, FOR SANITARY JOINT, AND OMIT ESCUTCHEONS.

REPAIR EXISTING PLUMBING SYSTEM COMPONENTS DAMAGED BY CONSTRUCTION OPERATIONS AND RESTORE TO ORIGINAL CONDITIONS.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE, FOR FOUR (4) HOURS MINIMUM. WHEN TESTING INDICATES MATERIALS OR WORKMANSHIP IS DEFICIENT, REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

TEST SANITARY DRAINAGE AND VENT SYSTEM BY FILLING WITH WATER, WITH ALL POINTS IN THE SYSTEM BEING SUBJECT TO PRESSURE OF AT LEAST 10' OF WATER. WATER LEVEL SHALL REMAIN STATIONARY FOR A PERIOD OF ONE HOUR, WITHOUT ANY PIPE OR JOINT LEAKAGE. IF TESTING INDICATES DEFICIENTS REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

PROVIDE A COMPLETE GAS PIPING SYSTEM TO SERVE GAS FIRED HVAC EQUIPMENT, DOMESTIC WATER HEATERS AND EQUIPMENT FURNISHED BY OTHERS, AS NOTED ON THE DRAWINGS. PROVIDE EITHER THREADED STEEL OR MALLEABLE IRON PIPE WITH MALLEABLE FITTINGS OR WELDED STEEL. PROVIDE ALL UNIONS, SHUT-OFF VALVES AND DIRT LEGS REQUIRED BY NFPA-54 AND GOVERNING LOCAL CODES AND AT EACH GAS APPLIANCE CONNECTION. PROVIDE ALL TESTS, METERS, INSPECTIONS, HANGERS AND EQUIPMENT CONNECTIONS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM. ALL EXTERIOR AND INTERIOR GAS PIPING SHALL BE PRIMED AND PAINTED SAFETY YELLOW.

RESPONSIBILITY SCHEDULE (PLUMBING)

SUPPLIED BY / RECEIVED BY / INSTALLED BY / EXISTING / PATCH & REPAIR / RELOCATE / REMARKS

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

DIVISION 15000 - PLUMBING	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
ACCESS PANELS	GC	GC	GC				COORDINATE WITH TRADES FOR SIZE AND LOCATION.
ROOF WORK	GC	GC	GC				GC TO COORD. W/ LANDLORD WHEN REQUIRED
PLUMBING FIXTURES	GC	GC	GC				
OD SINKS, DRAINS, FAUCETS	T	GC	GC				GC TO MAKE FINAL CONNECTIONS
FLOOR DRAINS / PIPING / SUPPORTS	GC	GC	GC				GC TO CLEAN OUT EXISTING FLOOR DRAINS
WATER AND SEWER CONNECTION	GC	GC	GC	●			SEE PLUMBING DRAWINGS FOR SCOPE OF WORK
WATER HEATER	GC	GC	GC				
WATER METER	GC	GC	GC				SEE 'GENERAL CONTRACTOR NOTES' ON SHEET G001
BOTTLED WATER UNIT	T	T	T				
WATER COOLER AND/OR DRINKING FOUNTAIN	GC	GC	GC				

WASTE AND VENT SLOPE

PIPE SIZE	MINIMUM WASTE SLOPE (IN/FT)
1½"	¼
2"	¼
3"	¼
4"	⅛
6"	⅛
8"	$\frac{1}{16}$

PLUMBING EQUIPMENT SCHEDULE

ITEM	MARK	DESCRIPTION	SUPPLIED / INSTALLED BY	MANUF.	MODEL # / COLOR	REMARKS
WALL MOUNTED WATER CLOSET (ADA) WITH INWALL TANK	WC	GEBERIT MODEL 111.597.00.1 CARRIER FRAME WITH 1.28 GPF SIGMA CONCEALED TANK, ADA COMPLIANT. BOWL TO BE WALL MOUNTED AT ADA HEIGHT.	PC / PC	GERBERIT AND DURAVIT	NWALL TANK AND CARRIER FRAME: GEBERIT MODEL 111.597.00.1 BOWL: DURAVIT MODEL 252909-002009, ADA COMPLIANT. PUSH BUTTONS: GEBERIT SIGMA 20, BRUSHED STAINLESS STEEL, ADA.	GEBERIT IN-WALL TANK 1.28 GPF DUAL FLUSHING SYSTEM WITH PUSH BUTTON CONTROL, ADA COMPLIANT.
SINKS	SK3.1	ROUND SINK FOR CONTACT LENS	PC / PC	JUST SINKS AND SLOAN	SINK: CLF-ADA-10-1 HOLE CENTERED FAUCET: SLOAN EBF-415-BAT-TEE-SF-0.5GPM-MLM-IR-FCT	GC TO MAKE FINAL CONNECTIONS. INSTALL THERMOSTATIC MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1 (WATTS OR EQUAL).
	SK7.1	30" SINK FOR BOH	PC / PC	ELKAY AND SLOAN	SINK: ASANA RLR9-1 HOLE, STRAINER: LK36, FAUCET: SLOAN EBF-415-BAT-TEE-SF-0.5GPM-MLM-IR-FCT	*SELECT 1-HOLE DRILLING CONFIGURATION. G.C. TO MAKE FINAL CONNECTIONS. INSTALL MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1
	SK8	UNDERMOUNT SINK WITH GOOSENECK FAUCET / SPRAYER AND DECK MOUNTED EYEWASH WITH SINGLE ACTION ACTIVATION.	PC / PC	AMERICAN STANDARD	SINK: PORTSMOUTH, 18SB6181600S.075 FAUCET: PEKOE, 4332.350.075 (2.2GPM) EYEWASH: SEE FIXTURE EW-1	INSTALL MIXING VALVE BELOW FIXTURE, CONNECT TO SUPPLY PIPING AT FIXTURE, SET WATER TEMP. @ 110° F USING TMV-1. MOUNT EYE WASH ON COUNTER ADJACENT TO GOOSENECK, INSTALLING GOOSENECK TO ALLOW CLEARANCE FOR EYEWASH TO PULL DOWN FOR OPERATION.
BI-LEVEL WATER COOLER	EWC2	WALL HUNG, BARRIER FREE, ELECTRIC, 120V 60Hz 1PH, 3-WIRE GROUND CORD, 4.5 AMP, 370 WATTS; PLATINUM VINYL FINISH; 8.0 GPH; SELF- CONTAINED REFRIGERATION CONTROLS, PUSH BAR CONTROLS AT FRONT AND SIDE; 3/8" SUPPLY CONNECTION; 1-1/2" OD WASTE CONNECTION	PC / PC	HALSEY TAYLOR	HAC8FSBL-Q ADA PV	MAINTAIN 6" MIN. TO WALL ON EA. SIDE FOR VENTILATION. MOUNTING HEIGHT PER CODE.
MOP SINK	MS	ONE PIECE MOLDED STONE MOP BASIN W/ 10" HIGH SIDES FOR RECESSED INSTALLATION, 3" BASIN DRAIN W/ SERVICE SINK STRAINER	PC / PC	FIAT PRODUCTS	SINK: MSB2424, FAUCET: #830-AA W/ WALL BRACE, 30" HOSE BRACKET: #932-AA, MOP HANGER: #889-CC	COORDINATE LOCATION OF MOP HOLDER. THE SPECIFIED FAUCET HAS A VACUUM BREAKER INTEGRAL WITH THE UNIT.
WATER HEATER	WH	STORAGE WATER HEATER. TANK SHALL BE GLASS LINED, 150 PSI WORKING PRESSURE. DRAIN INDIRECTLY TO MOP SINK BELOW.	PC / PC	AO SMITH	#DEL-20, 20 GALLONS, 6.0KW HEATING ELEMENT, 208V/1P COMMERCIAL ELECTRIC WATER HEATER. PROVIDE HOLDRITE 30-SWHP-W-C WATER HEATER SUPPORT AND INSTALL WATER HEATER ON PLATFORM PER "SUSPENDED WATER HEATER" DETAIL. PROVIDE AMTROL #ST-5 THERMAL EXPANSION TANK WITH A TOTAL VOLUME OF 2.0 GALLONS AND A MAX. ACCEPTANCE VOLUME OF 0.9 GALLONS, ¾" CONNECTION. INSTALL PER MANUFACTURER'S INSTRUCTIONS.	REFER TO PLUMBING PLAN FOR LOCATION
EYEWASH	EW-1	EYE WASH, DECK MOUNTED, AUTOFLOW 90 DEGREE SWING DOWN WITH TEMPERING VALVE	PC / PC	GUARDIAN EQUIPMENT	G1849LH-L WITH AUTOMATIC TEMPERING VALVE G6020	COUNTER MOUNT AT SINK SK8. THE SPECIFIED EQUIPMENT COMPLIES WITH ISEA Z358.1
PIPING SUPPORTS		WATER HAMMER ARRESTORS	PC / PC	WATTS/GRAINGER	#3A559	
FLOOR DRAINS	FD1	CAST IRON FLOOR DRAIN W/ DOUBLE DRAINAGE FLANGE, TAP FOR TAP PRIMER, WEEP HOLES, 3" OUTLET & 6" NICKEL BRONZE ADJUSTABLE STRAINER.	PC / PC	J.R. SMITH	J.R. SMITH # 2005-A-06	
FLOOR CLEANOUTS	FCO	REFER TO SHEET P-200	PC / PC	J.R. SMITH	4000 SERIES	REFER TO PLUMBING PLAN FOR LOCATION
WALL CLEANOUTS	WCO	REFER TO SHEET P-200	PC / PC	J.R. SMITH	4400 SERIES	REFER TO PLUMBING PLAN FOR LOCATION
TRAP PRIMER VALVE	TPV	VALVE TO AUTOMATICALLY ADD WATER TO DRAIN LINE TRAP	PC / PC	PPP, INC	PRO1-500 UNDER LAVATORY	REFER TO PLUMBING PLAN FOR LOCATION
RECIRCULATION PUMP	RP1	PUMP TO RECIRCULATE HOT WATER RETURN	PC / PC	BELL & GOSSETT	NBF-22U	92 WATT, 120V, 1 PHASE, 3000 RPM, 4 GPM @ 12 FT WC, WITH AQUASTAT AND UNION. PROVIDE CHECK VALVE AND REQUIRED ACCESSORIES.

* NOTE: ALL SPECS MAY NOT BE USED IN EVERY STORE.

GENERAL NOTE: FOLLOW ALL MANUFACTURERS INSTALLATION AND MAINTENANCE INSTRUCTIONS.

NOTE:(SK1 THRU 4) CONTRACTOR WILL BE REQUIRED TO FURNISH ALL LABOR, PIPING MATERIALS AND APPURTENANCES NECESSARY TO COMPLETE INSTALLATION OF SINKS, FAUCETS AND DRAINS FURNISHED BY OWNER.

FIXTURE UNIT SCHEDULE

FIXTURE	QUANTITY	WATER		WASTE		SIZE			
		WSFU	TOTAL	DFU	TOTAL	CW	HW	WASTE	VENT
WATER CLOSET (TANK)	2	5	10	4	8	1¼"	-	4"	2"
LAVATORY	2	2	4	1	2	½"	½"	1½"	1½"
SINGLE COMPARTMENT SINK	4	2	8	2	8	½"	½"	1½"	1½"
MOP SINK	1	3	3	2	2				
BI/LEVEL DRINKING FOUNTAIN	1	0.25	0.25	0.5	0.50	½"	-	1½"	1½"
FLOOR DRAIN (EMERGENCY)	8	-	-	-	-	-	-	2"/3"	1½"
		WSFU TOTAL	25.25	DFU TOTAL	20.50				

PLUMBING SYMBOLS LEGEND

ABBREVIATIONS:

BFP	BACKFLOW PREVENTER
CO	CLEANOUT
FFCO/FGCO	FLUSH FLOOR/GRADE CLEANOUT
PC	PLUMBING CONTRACTOR
RI	ROUGH-IN
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
(E)	EXISTING

LINETYPES:

— — — — — —	EXISTING PLUMBING LINE - SEE DRAWING
— —x— —x—	PIPING TO BE REMOVED (X)
——— ———	SANITARY WASTE (SAN)
—— ——— ——	PLUMBING VENT (V)
——— - ———	COLD WATER (CW)
——— - - ———	HOT WATER (HW), 120°
——— - - - ———	HOT WATER RETURN (HWR), 120°
———G———	GAS LINE (G)
———D———	CONDENSATE LINE (D)
——— OD ———	OVERFLOW CONDENSATE LINE (0D)

GENERAL REFERENCES/NOTATIONS:

◕	CONNECT TO EXISTING
⟨#⟩	PLAN NOTE DESIGNATION
XX	FIXTURE/EQUIPMENT NOTE DESIGNATION
△#	REVISION DESIGNATION
⬡ #/#	HVAC EQUIPMENT DESIGNATION
⊖ #/#	DETAIL NUMBER DETAIL DESIGNATION SHEET NUMBER
X ◆ X	MATCHLINE

PIPE SYMBOLS:

⊸	PIPE TURNING UP/DOWN
—○—○—	TEE TURNING UP/DOWN
—⊕—	SHUTOFF VALVE (BALL TYPE)
—N—	CHECK VALVE
—⋈—	BALANCING VALVE
——]	END CAP

SYMBOLS LEGEND NOTES:
REFER TO SPECIFICATIONS AND PLAN NOTES FOR DETAILED DESCRIPTION OF ALL DEVICES SHOWN IN THIS SCHEDULE, PROVIDED BY THIS CONTRACTOR.

GENERAL NOTES

A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.

B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE PIPE RISES, DROPS, AND OFFSETS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.

C. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE PIPING, CONNECTIONS, FITTINGS, VALVES, OFFSETS AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM.

D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY AND THE AUTHORITY HAVING JURISDICTION. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.

E. PROVIDE WATER HAMMER ARRESTORS THROUGHOUT WATER SYSTEMS AS REQUIRED PER "WATER HAMMER ARRESTERS" DETAIL.

F. PROVIDE BACKFLOW PREVENTION DEVICES IN WATER LINES FEEDING PLUMBING FIXTURES AND/OR EQUIPMENT AS SHOWN ON PLANS AND ELSEWHERE AS REQUIRED BY AUTHORITY HAVING JURISDICTION. USE DEVICES OF APPROVED MANUFACTURER AND TYPE IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

G. CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY PRIOR TO ALL LOCALLY REQUIRED DEVICES IS LESS THAN 60 PSIG STATIC, CONTACT OWNER'S REPRESENTATIVE. IF PRESSURE EXCEEDS 80 PSIG, PROVIDE PRESSURE REDUCING VALVE.

H. SUSPEND HORIZONTAL SERVICE PIPING FROM UNDERSIDE OF ROOF OR FLOOR STRUCTURE UNLESS OTHERWISE INDICATED. INSTALL PIPING AS HIGH AS POSSIBLE. EXTEND PIPING DOWN IN WALLS, PARTITIONS AND CHASES TO SERVE FIXTURES AND EQUIPMENT.

I. VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITY COMPANIES AND/OR CIVIL ENGINEER, AS APPLICABLE.

J. WATER ENTRY SERVICE PIPING, NEW AND/OR REVISED. CONTRACTOR SHALL ENSURE AND PROVIDE MINIMUM 10'-0" LINEAR FEET OF METAL PIPING MATERIAL BELOW GRADE IN CONTACT WITH EARTH, FOR CONNECTION OF ELECTRICAL SERVICE GROUNDING.

K. FOR ALL HAND SINKS/LAVATORIES WITH AN OUTLET TEMPERATURE HIGHER THAN 110°F, PROVIDE APPROVED LEAD-FREE MIXING VALVE PER THE AHJ.

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER — PE–2007025514
DISCIPLINE — LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 — +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 — +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
△1		
△2		
△3		
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△6		
△7		
△8		

DIALECTIC ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816–997–9601
F 816–997–9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582

THIS SHEET IS PART OF THE CONSTRUCTION DOCUMENTS, OTHER SHEETS INCLUDING SPECIFICATIONS APPLY. THAT SHOWN HEREON IS SCHEMATIC IN NATURE AND NOT TO BE USED AS A SHOP DRAWING; THEREFORE, INCLUDE ALL MODIFICATIONS REQUIRED TO CONFORM TO SITE CONDITIONS AND THE EQUIPMENT AND MATERIAL USED. VERIFY LOCATIONS AND DIMENSIONS OF ALL ARCHITECTURAL AND STRUCTURAL ELEMENTS AS SHOWN ON THEIR RESPECTIVE DOCUMENTS, THESE ELEMENTS ARE SHOWN FOR REFERENCE AND SHALL BE VERIFIED PRIOR TO CONSTRUCTION AND THE ENGINEER ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE ELEMENTS. NO DESIGN RESPONSIBILITY IS ASSUMED FOR ANY PORTION OF THE WORK THAT THE PROFESSIONAL ENGINEER HAS NOT SIGNED AND SEALED PER STATE/PROVINCE REQUIREMENTS.

Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

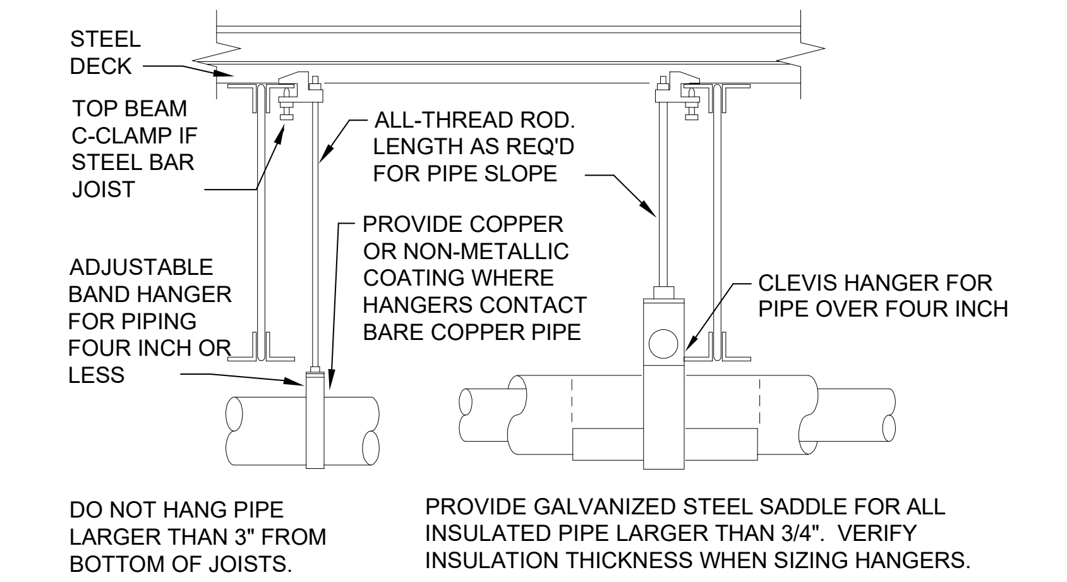
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
PLUMBING GENERAL NOTES & DETAILS

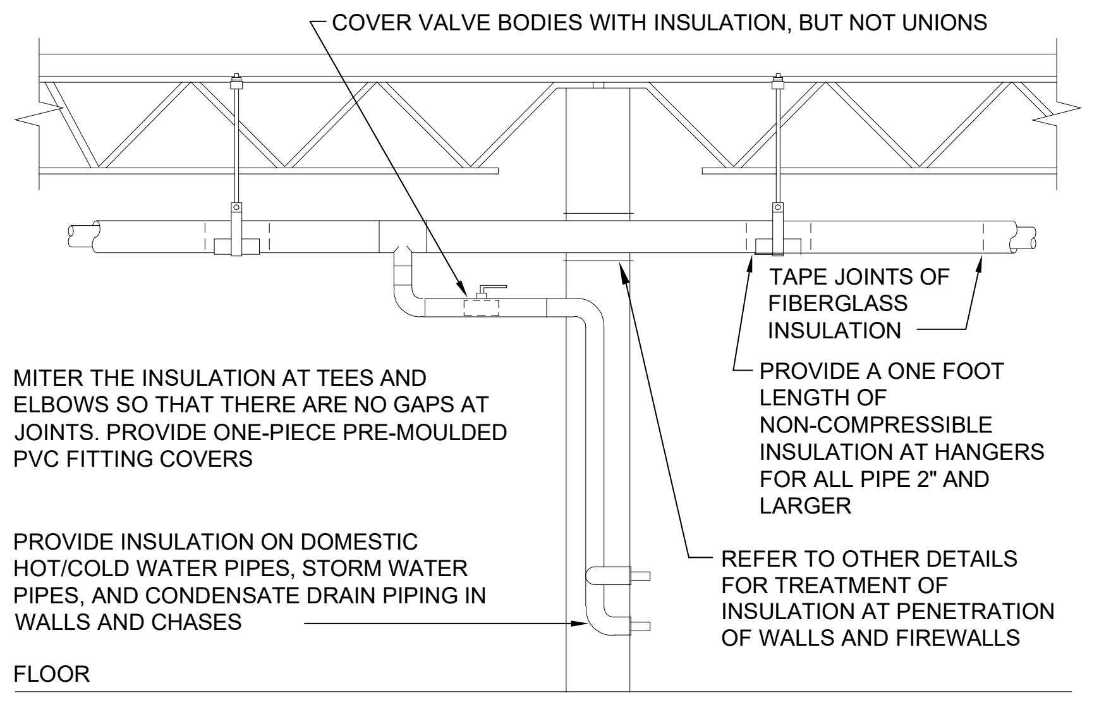
Date 10/01/21
Drawn By ATL
Checked By NRP
Sheet P001


STEEL DECK
TOP BEAM C-CLAMP IF STEEL BAR JOIST
ALL-THREAD ROD. LENGTH AS REQ'D FOR PIPE SLOPE
ADJUSTABLE BAND HANGER FOR PIPING FOUR INCH OR LESS
PROVIDE COPPER OR NON-METALLIC COATING WHERE HANGERS CONTACT BARE COPPER PIPE
CLEVIS HANGER FOR PIPE OVER FOUR INCH
DO NOT HANG PIPE LARGER THAN 3" FROM BOTTOM OF JOISTS.
PROVIDE GALVANIZED STEEL SADDLE FOR ALL INSULATED PIPE LARGER THAN 3/4". VERIFY INSULATION THICKNESS WHEN SIZING HANGERS.

PROVIDE UPPER ATTACHMENT AS REQUIRED FOR CASES NOT SHOWN HERE. DO NOT INSTALL HANGER INSIDE INSULATION OR OTHERWISE PENETRATE VAPOR BARRIER. DO NOT HANG ONE PIPE FROM ANOTHER EXCEPT IN CHASES. TRAPEZE HANGERS MAY BE USED FOR MULTIPLE PARALLEL PIPES. HANGER SPACING FOR PIPE SIZE: COPPER: 4"=12'-0"; 3"=11'-0"; 21/2"=10'-0"; 2"=9'-0"; 11/2"=8'-0"; 11/4"=7'-0"; 1" & 3/4"=6'-0"; 1/2"=5'-0". CAST IRON: 10'-0" AND ONE NEAR ALL JOINTS. STEEL: 4"=14'-0"; 3"=12'-0"; 21/2"=11'-0"; 2"=10'-0"; 11/2"=9'-0"; 1"=7'-0"; 3/4"=6'-0"; 1/2"=5'-0". LOCATE HANGERS AS CLOSE AS POSSIBLE TO TURNS AND TEES OF PIPE. PROVIDE SUPPLEMENTARY STEEL STRUTS BETWEEN JOISTS IF REQUIRED. LOCATE HANGERS TO TAKE LOAD OFF OF EQUIPMENT CONNECTIONS. ANCHOR WATER PIPE AGAINST SWAYING DUE TO CHANGES IN WATER VELOCITY. PROVIDE SEISMIC BRACING IF/AS REQUIRED BY LOCAL AUTHORITIES. CHAINS OR PERFORATED STRAP IRON OR STEEL IS NOT ACCEPTABLE. REFER TO CODES FOR FURTHER INFORMATION.

1 PIPE HANGERS

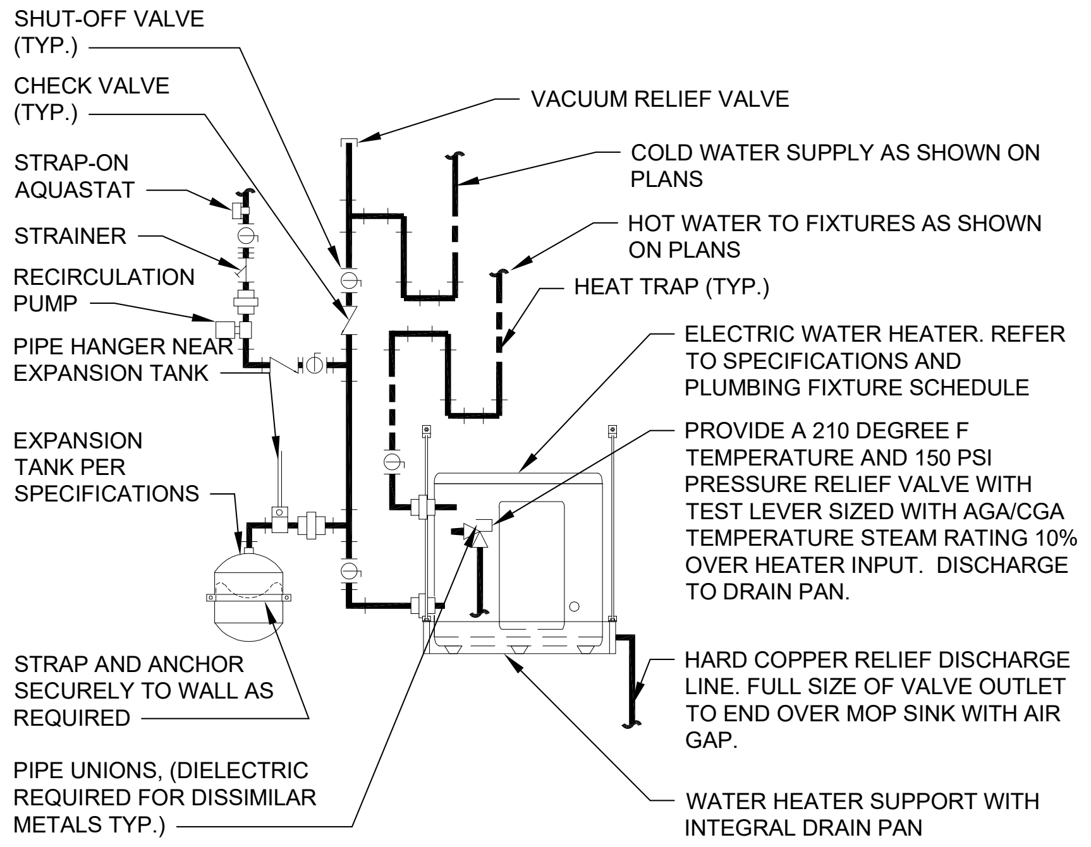
NOT TO SCALE


COVER VALVE BODIES WITH INSULATION, BUT NOT UNIONS
TAPE JOINTS OF FIBERGLASS INSULATION
MITER THE INSULATION AT TEES AND ELBOWS SO THAT THERE ARE NO GAPS AT JOINTS. PROVIDE ONE-PIECE PRE-MOULDED PVC FITTING COVERS
PROVIDE A ONE FOOT LENGTH OF NON-COMPRESSIBLE INSULATION AT HANGERS FOR ALL PIPE 2" AND LARGER
PROVIDE INSULATION ON DOMESTIC HOT/COLD WATER PIPES, STORM WATER PIPES, AND CONDENSATE DRAIN PIPING IN WALLS AND CHASES
REFER TO OTHER DETAILS FOR TREATMENT OF INSULATION AT PENETRATION OF WALLS AND FIREWALLS
FLOOR

PROVIDE FIBERGLASS INSULATION WITH ALL-SERVICE JACKET WITH VAPOR BARRIER ON ALL COLD/HOT WATER PIPING AND CONDENSATE DRAIN PIPE. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING INSULATION. INSTALL ALL ITEMS PER SPECIFICATIONS AND MANUFACTURERS INSTRUCTIONS. MAINTAIN VAPOR BARRIER ON COLD PIPING BY MEANS OF SEALANT AND TAPE. FLAME-SPREAD AND SMOKE-DEVELOPED INDEXES SHALL NOT EXCEED 25/50. SEAL EXPOSED ENDS OF FIBERGLASS INSULATION WITH ADHESIVE MASTIC.

2 PIPE INSULATION

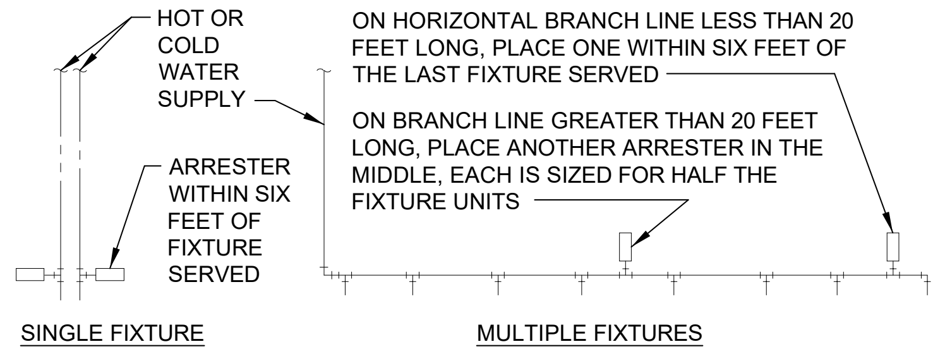
NOT TO SCALE


SHUT-OFF VALVE (TYP.)
CHECK VALVE (TYP.)
STRAP-ON AQUASTAT
STRAINER
RECIRCULATION PUMP
PIPE HANGER NEAR EXPANSION TANK
EXPANSION TANK PER SPECIFICATIONS
STRAP AND ANCHOR SECURELY TO WALL AS REQUIRED
PIPE UNIONS, (DIELECTRIC REQUIRED FOR DISSIMILAR METALS TYP.)
VACUUM RELIEF VALVE
COLD WATER SUPPLY AS SHOWN ON PLANS
HOT WATER TO FIXTURES AS SHOWN ON PLANS
HEAT TRAP (TYP.)
ELECTRIC WATER HEATER. REFER TO SPECIFICATIONS AND PLUMBING FIXTURE SCHEDULE
PROVIDE A 210 DEGREE F TEMPERATURE AND 150 PSI PRESSURE RELIEF VALVE WITH TEST LEVER SIZED WITH AGA/CGA TEMPERATURE STEAM RATING 10% OVER HEATER INPUT. DISCHARGE TO DRAIN PAN.
HARD COPPER RELIEF DISCHARGE LINE. FULL SIZE OF VALVE OUTLET TO END OVER MOP SINK WITH AIR GAP.
WATER HEATER SUPPORT WITH INTEGRAL DRAIN PAN

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO FLOOR PLANS FOR PIPE SIZES. PROVIDE BACKING FOR WATER HEATER SUPPORT IN WALL. SET HEATER THERMOSTAT AT 120° F. SET AQUASTAT TO 5°F BELOW WATER HEATER TEMP. PROVIDE SEISMIC STRAP OR BRACING. WATER HEATER STAND PER SPECIFICATIONS. SECURE PER MANUFACTURER'S RECOMMENDATIONS.

3 WATER HEATER

NOT TO SCALE


HOT OR COLD WATER SUPPLY
ARRESTER WITHIN SIX FEET OF FIXTURE SERVED
ON HORIZONTAL BRANCH LINE LESS THAN 20 FEET LONG, PLACE ONE WITHIN SIX FEET OF THE LAST FIXTURE SERVED
ON BRANCH LINE GREATER THAN 20 FEET LONG, PLACE ANOTHER ARRESTER IN THE MIDDLE, EACH IS SIZED FOR HALF THE FIXTURE UNITS
SINGLE FIXTURE
MULTIPLE FIXTURES

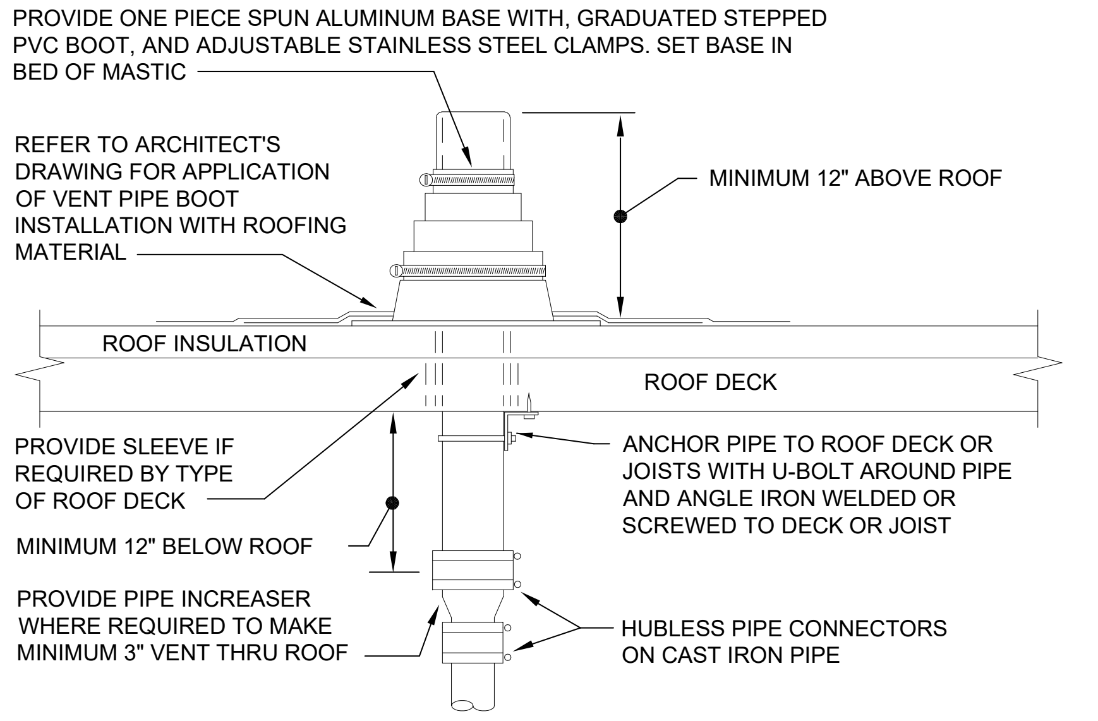
PDI SIZE	FIXTURE UNIT LOAD
AA	1-3
A	4-11
B	12-32
C	33-60
D	61-113

FIXTURE UNIT TABULATION		
FIXTURE	COLD	HOT
TANK WATER CLOSET	5	-
URINAL	5	-
LAVATORY	1.5	1.5
JANITOR'S SINK	3	3
DRINKING FOUNTAIN	0.5	-

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND 0-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 OR ANSI #A112.26.1M CERTIFICATION. SIZE AND INSTALL PER PDI #WH-201 STANDARD OR MANUFACTURER'S INSTRUCTION. THE TABLES ABOVE ARE BASED ON THE SIOUX CHIEF PRODUCT LINE. IF PRESSURE IS IN EXCESS OF 65 PSIG THEN UPSIZE THE ARRESTER BY ONE (EXAMPLE: AN 'A' ARRESTER WOULD BECOME A 'B' ARRESTER.)

4 WATER HAMMER ARRESTERS

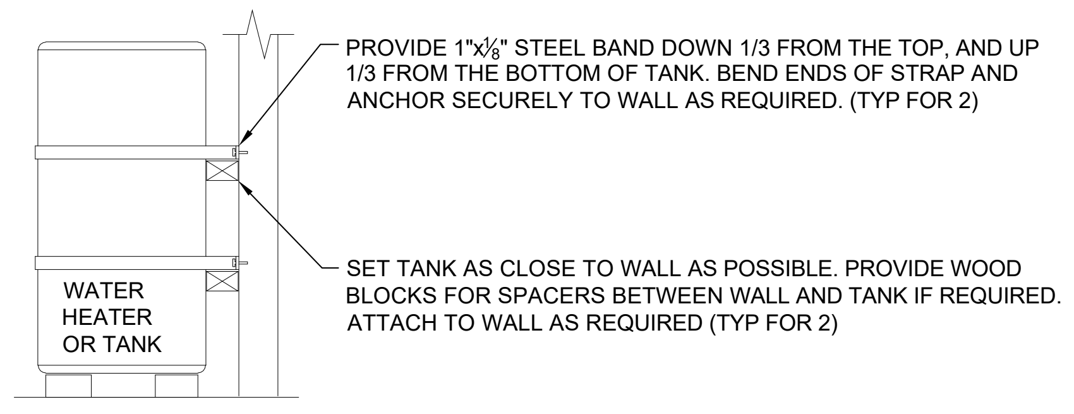
NOT TO SCALE


PROVIDE ONE PIECE SPUN ALUMINUM BASE WITH, GRADUATED STEPPED PVC BOOT, AND ADJUSTABLE STAINLESS STEEL CLAMPS. SET BASE IN BED OF MASTIC
REFER TO ARCHITECT'S DRAWING FOR APPLICATION OF VENT PIPE BOOT INSTALLATION WITH ROOFING MATERIAL
MINIMUM 12" ABOVE ROOF
ROOF INSULATION
ROOF DECK
PROVIDE SLEEVE IF REQUIRED BY TYPE OF ROOF DECK
ANCHOR PIPE TO ROOF DECK OR JOISTS WITH U-BOLT AROUND PIPE AND ANGLE IRON WELDED OR SCREWED TO DECK OR JOIST
MINIMUM 12" BELOW ROOF
PROVIDE PIPE INCREASER WHERE REQUIRED TO MAKE MINIMUM 3" VENT THRU ROOF
HUBLESS PIPE CONNECTORS ON CAST IRON PIPE

REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR A MINIMUM OF 20 FEET HORIZONTAL (UNLESS APPROVED BY ENGINEER PRIOR TO INSTALLATION) OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, AND ONE FOOT FROM ANY VERTICAL SURFACE. PROVIDE 1" FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON VENT PIPE INSIDE BUILDING WITHIN SIX FEET OF VENT THRU ROOF LOCATION. VERIFY FLASHING AND COUNTERFLASHING WITH ROOFING CONTRACTOR.

5 VENT THRU ROOF (VTR)

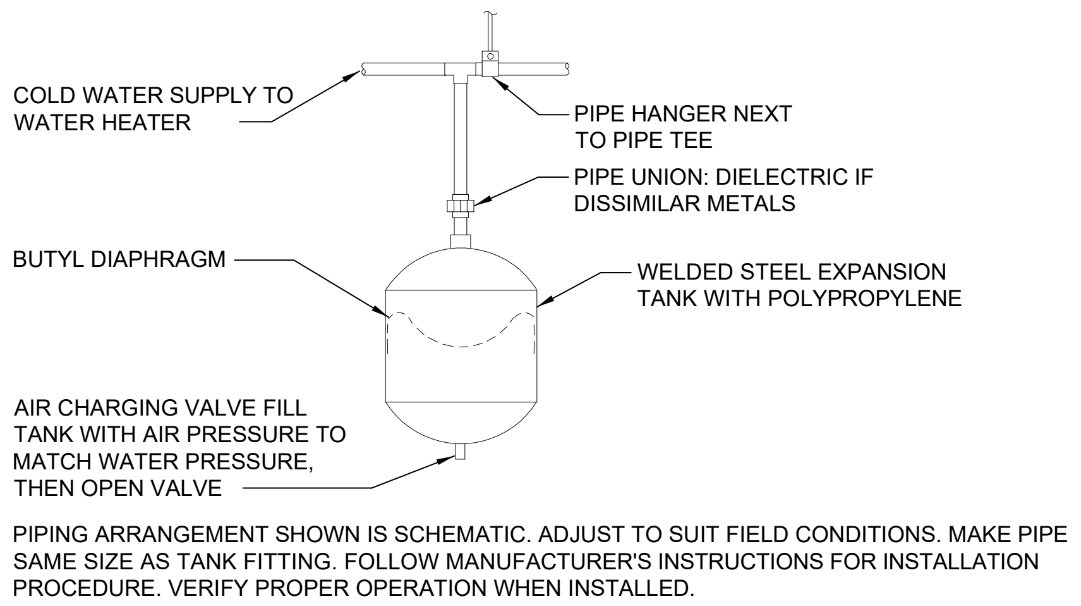
NOT TO SCALE


PROVIDE 1"x⅛" STEEL BAND DOWN 1/3 FROM THE TOP, AND UP 1/3 FROM THE BOTTOM OF TANK. BEND ENDS OF STRAP AND ANCHOR SECURELY TO WALL AS REQUIRED. (TYP FOR 2)
SET TANK AS CLOSE TO WALL AS POSSIBLE. PROVIDE WOOD BLOCKS FOR SPACERS BETWEEN WALL AND TANK IF REQUIRED. ATTACH TO WALL AS REQUIRED (TYP FOR 2)
WATER HEATER OR TANK

ANCHOR TANK LEGS TO FLOOR OR PLATFORM OR AS REQUIRED BY LOCAL CODE AUTHORITIES.

6 TANK RESTRAINT

NOT TO SCALE

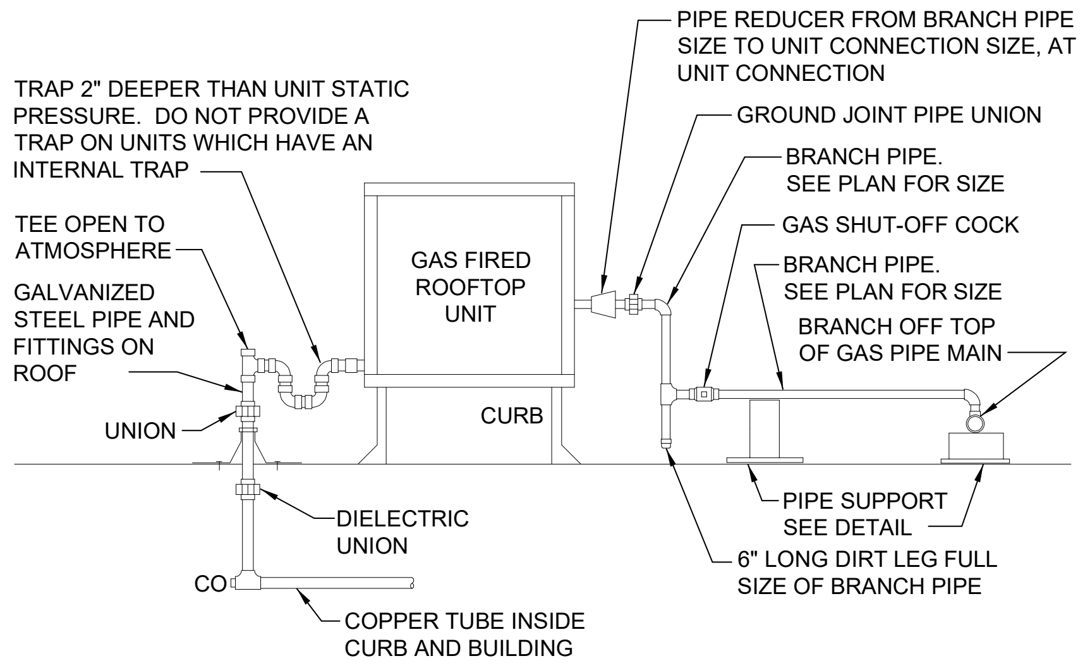

COLD WATER SUPPLY TO WATER HEATER
PIPE HANGER NEXT TO PIPE TEE
PIPE UNION: DIELECTRIC IF DISSIMILAR METALS
BUTYL DIAPHRAGM
WELDED STEEL EXPANSION TANK WITH POLYPROPYLENE
AIR CHARGING VALVE FILL TANK WITH AIR PRESSURE TO MATCH WATER PRESSURE, THEN OPEN VALVE

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. MAKE PIPE SAME SIZE AS TANK FITTING. FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION PROCEDURE. VERIFY PROPER OPERATION WHEN INSTALLED.

EXPANSION TANK INSTALLATION SHALL OCCUR ONLY WHEN THERE IS A BACKFLOW PREVENTION DEVICE INSTALLED WITHIN THE TENANT SPACE WATER SYSTEM OR BUILDING WATER SYSTEM.

7 SMALL EXPANSION TANK

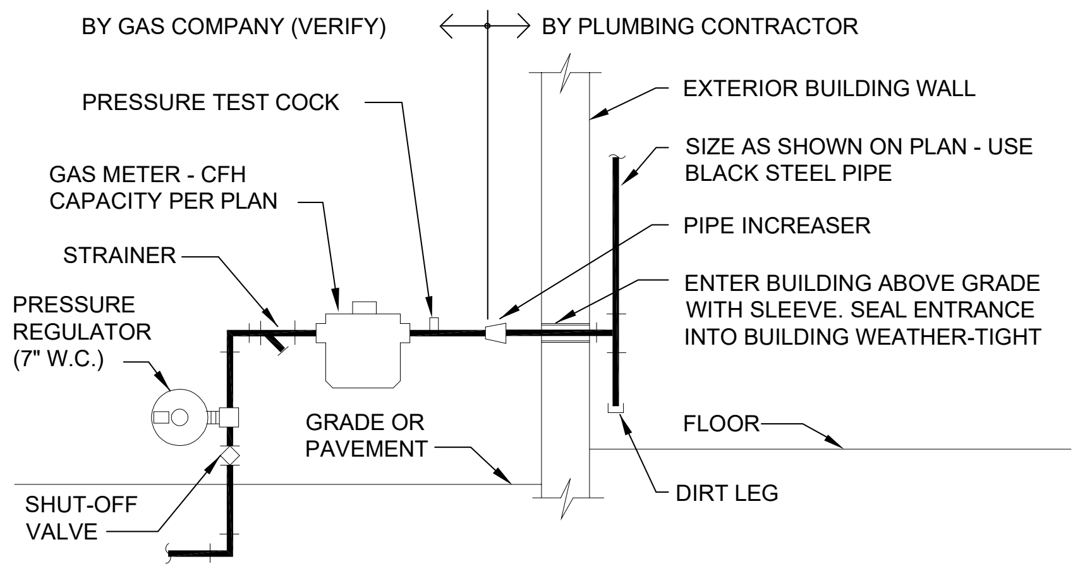
NOT TO SCALE


TRAP 2" DEEPER THAN UNIT STATIC PRESSURE. DO NOT PROVIDE A TRAP ON UNITS WHICH HAVE AN INTERNAL TRAP
TEE OPEN TO ATMOSPHERE
GALVANIZED STEEL PIPE AND FITTINGS ON ROOF
UNION
GAS FIRED ROOFTOP UNIT
CURB
PIPE REDUCER FROM BRANCH PIPE SIZE TO UNIT CONNECTION SIZE, AT UNIT CONNECTION
GROUND JOINT PIPE UNION
BRANCH PIPE. SEE PLAN FOR SIZE
GAS SHUT-OFF COCK
BRANCH PIPE. SEE PLAN FOR SIZE
BRANCH OFF TOP OF GAS PIPE MAIN
PIPE SUPPORT SEE DETAIL
6" LONG DIRT LEG FULL SIZE OF BRANCH PIPE
DIELECTRIC UNION
CO
COPPER TUBE INSIDE CURB AND BUILDING

PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST AS REQUIRED TO SUIT ACTUAL CONDITIONS

8 ROOFTOP UNIT CONNECTIONS

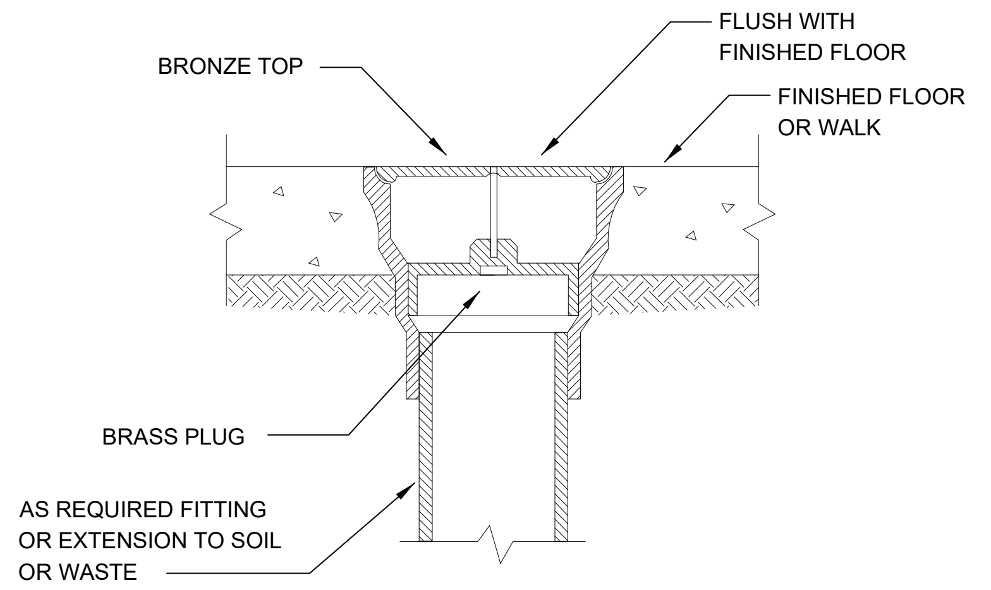
NOT TO SCALE


BY GAS COMPANY (VERIFY)
BY PLUMBING CONTRACTOR
PRESSURE TEST COCK
GAS METER - CFH CAPACITY PER PLAN
STRAINER
PRESSURE REGULATOR (7" W.C.)
SHUT-OFF VALVE
GRADE OR PAVEMENT
EXTERIOR BUILDING WALL
SIZE AS SHOWN ON PLAN - USE BLACK STEEL PIPE
PIPE INCREASER
ENTER BUILDING ABOVE GRADE WITH SLEEVE. SEAL ENTRANCE INTO BUILDING WEATHER-TIGHT
FLOOR
DIRT LEG

VERIFY REQUIREMENTS FOR METERING AND PIPING WITH GAS COMPANY. GAS COMPANY SHALL EXCAVATE, BACKFILL, AND REPAIR PAVING AND SOD FOR GAS SERVICE LINE INSTALLATION FROM MAIN TO BUILDING. PLUMBING CONTRACTOR TO PAY ALL GAS COMPANY FEES FOR THIS INSTALLATION. USE WELDED OR SCREWED PIPE AND FITTINGS PER SPECIFICATIONS. PAINT EXPOSED METAL GAS PIPE, FITTINGS AND ITEMS TO MATCH BUILDING.

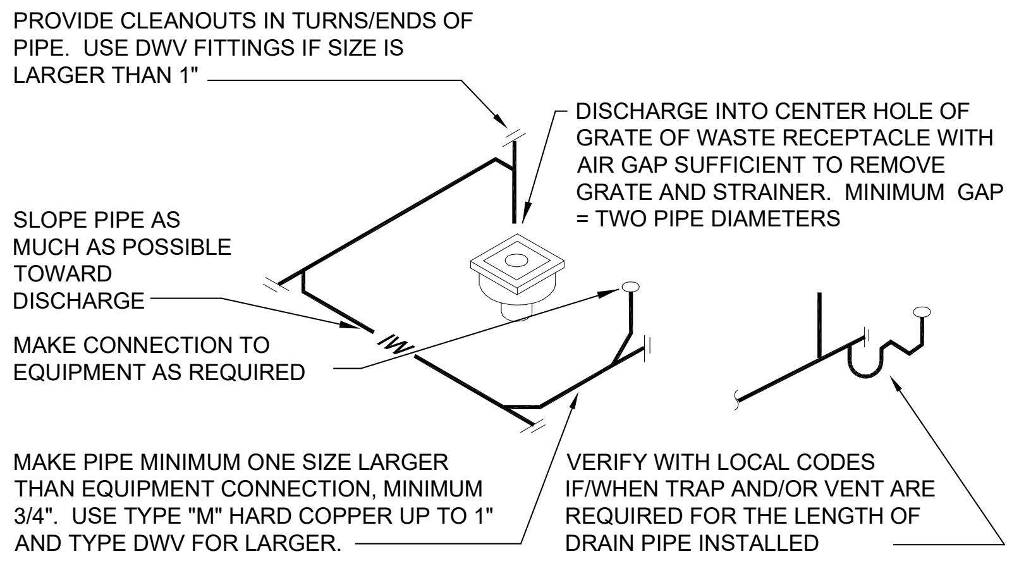
9 GAS SERVICE

NOT TO SCALE


BRONZE TOP
FLUSH WITH FINISHED FLOOR
FINISHED FLOOR OR WALK
BRASS PLUG
AS REQUIRED FITTING OR EXTENSION TO SOIL OR WASTE

10 TYPICAL FLOOR CLEAN OUT

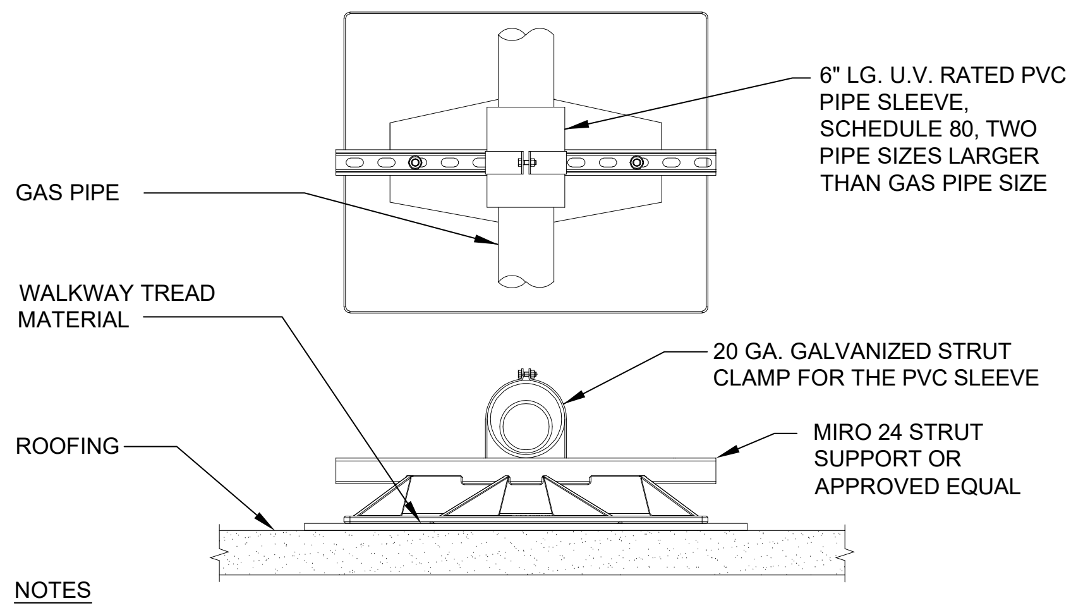
NOT TO SCALE


PROVIDE CLEANOUTS IN TURNS/ENDS OF PIPE. USE DWV FITTINGS IF SIZE IS LARGER THAN 1"
DISCHARGE INTO CENTER HOLE OF GRATE OF WASTE RECEPTACLE WITH AIR GAP SUFFICIENT TO REMOVE GRATE AND STRAINER. MINIMUM GAP = TWO PIPE DIAMETERS
SLOPE PIPE AS MUCH AS POSSIBLE TOWARD DISCHARGE
MAKE CONNECTION TO EQUIPMENT AS REQUIRED
IW
MAKE PIPE MINIMUM ONE SIZE LARGER THAN EQUIPMENT CONNECTION, MINIMUM 3/4". USE TYPE "M" HARD COPPER UP TO 1" AND TYPE DWV FOR LARGER.
VERIFY WITH LOCAL CODES IF/WHEN TRAP AND/OR VENT ARE REQUIRED FOR THE LENGTH OF DRAIN PIPE INSTALLED

ROUTE PIPE INCONSPICUOUSLY AND UNOBTRUSIVELY. HANG PIPE AS REQUIRED. DO NOT INSULATE INDIRECT DRAIN PIPE WHEN INSTALLED EXPOSED IN FOOD SERVICE FACILITY. REFER TO LOCAL CODES FOR FURTHER INFORMATION.

11 INDIRECT DRAIN

NOT TO SCALE

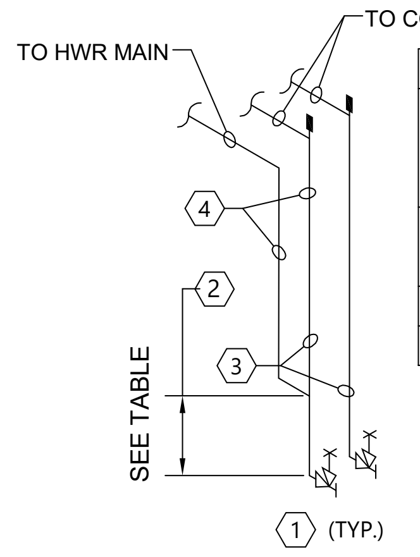

6" LG. U.V. RATED PVC PIPE SLEEVE, SCHEDULE 80, TWO PIPE SIZES LARGER THAN GAS PIPE SIZE
GAS PIPE
WALKWAY TREAD MATERIAL
20 GA. GALVANIZED STRUT CLAMP FOR THE PVC SLEEVE
ROOFING
MIRO 24 STRUT SUPPORT OR APPROVED EQUAL

NOTES

1. SUPPORT REQUIRED 10'-0" O.C. AND AT ALL CHANGES IN DIRECTION.
2. INCREASE IN HEIGHT AS REQUIRED FOR ROUTING ABOVE ROOF MOUNTED ACCESSORIES SUCH AS EXPANSION JOINTS AND TO ACCOMMODATE SLOPE.

13 ROOF GAS PIPE SUPPORT

NOT TO SCALE


TO HWR MAIN
TO COLD AND HOT WATER MAINS
4
2
3
SEE TABLE
1 (TYP.)

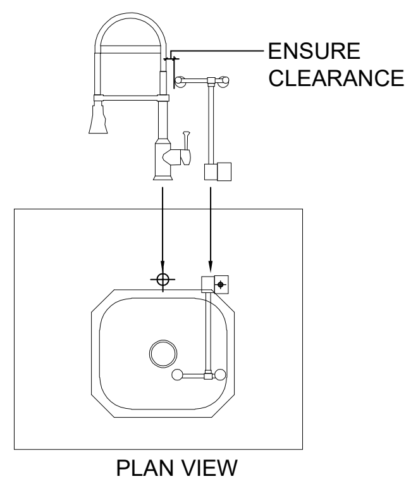
MAXIMUM HW BRANCH PIPE LENGTHS		
DISTANCE IS TO BE MEASURED FROM THE POINT AT WHICH THE SUPPLY PIPING CONNECTS TO THE HOT WATER MAIN TO THE FIXTURE.		
	DISTANCE SHOWN - NOTE 2	
PIPE DIAMETER	PUBLIC LAVS	OTHER FIXTURES
1/2"	2 FT	43 FT
3/4"	0.5 FT	21 FT

KEY NOTES

1. HOT WATER PIPING SHOWN ON FLOOR PLANS AND ISOMETRIC IS SHOWN FOR PLAN CLARITY. HOT WATER PIPING SHALL LOOP DOWN INTO WALL AS SHOWN.
2. SEE TABLE FOR MAXIMUM ALLOWED DISTANCE OF PIPING FROM HOT WATER MAIN TO FIXTURE.
3. PIPE SIZE TO FIXTURE PER PLANS.
4. PIPE SIZE FOR HOT WATER DISTRIBUTION PIPING PER PLANS.

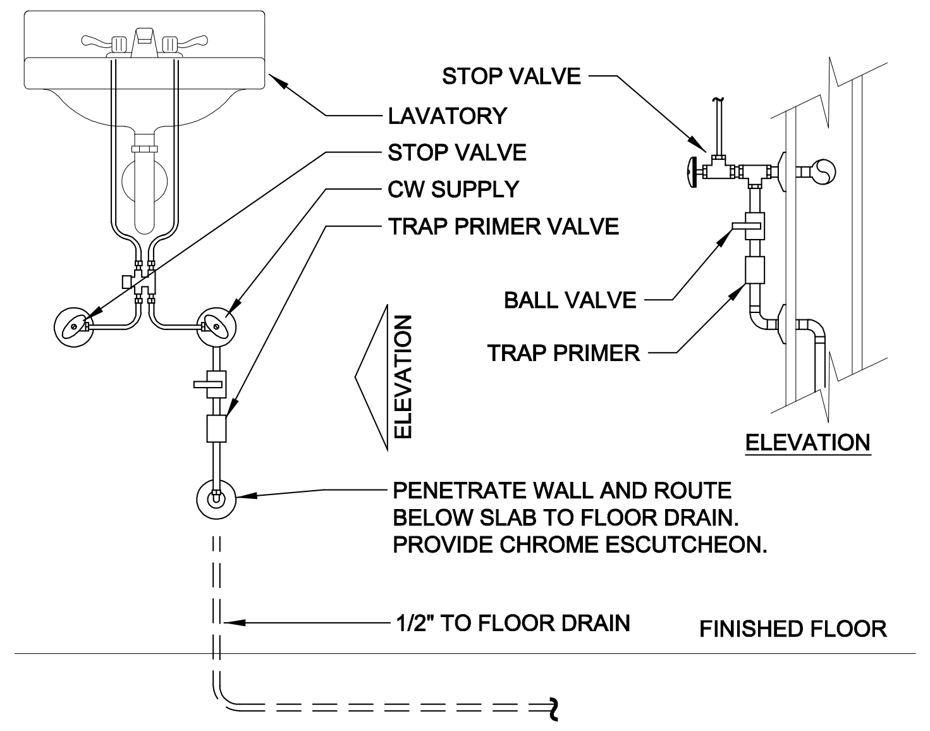
14 HOT WATER SUPPLY PIPING

NOT TO SCALE


ENSURE CLEARANCE
PLAN VIEW

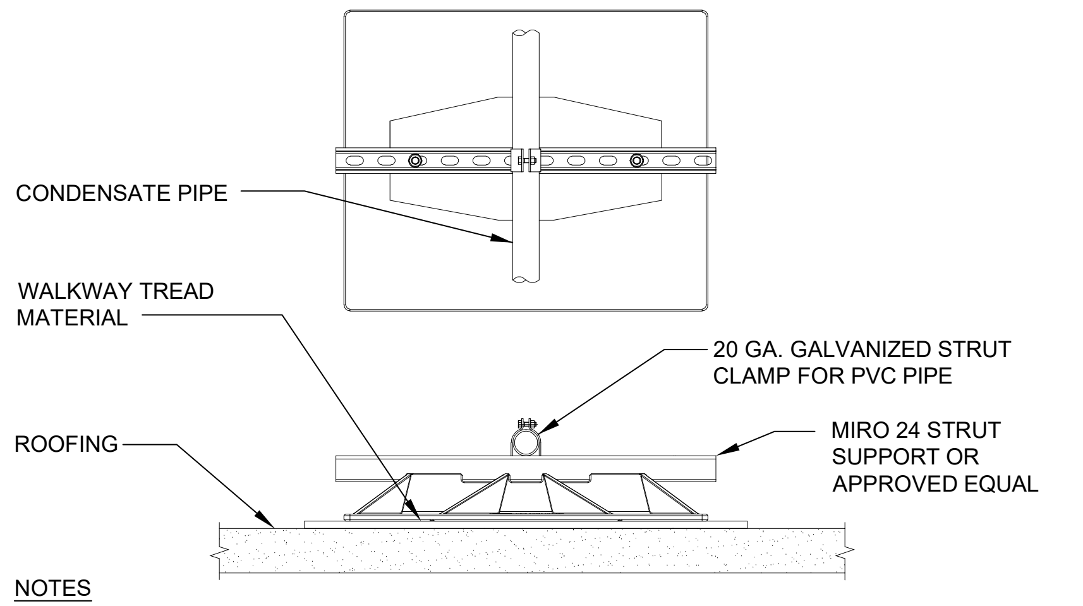
15 COUNTER MOUNTED EYEWASH

NOT TO SCALE


STOP VALVE
LAVATORY
STOP VALVE
CW SUPPLY
TRAP PRIMER VALVE
BALL VALVE
TRAP PRIMER
ELEVATION
ELEVATION
PENETRATE WALL AND ROUTE BELOW SLAB TO FLOOR DRAIN. PROVIDE CHROME ESCUTCHEON.
1/2" TO FLOOR DRAIN
FINISHED FLOOR

16 TRAP PRIMER

NOT TO SCALE

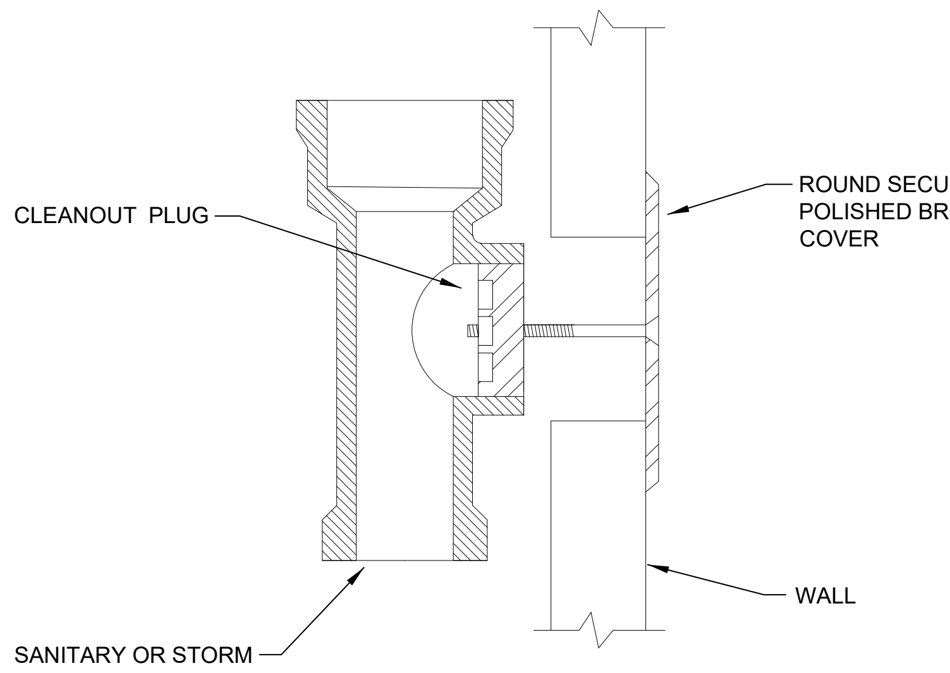

CONDENSATE PIPE
WALKWAY TREAD MATERIAL
20 GA. GALVANIZED STRUT CLAMP FOR PVC PIPE
ROOFING
MIRO 24 STRUT SUPPORT OR APPROVED EQUAL

NOTES

1. SUPPORT REQUIRED 10'-0" O.C. AND AT ALL CHANGES IN DIRECTION.
2. INCREASE IN HEIGHT AS REQUIRED FOR ROUTING ABOVE ROOF MOUNTED ACCESSORIES SUCH AS EXPANSION JOINTS AND TO ACCOMMODATE SLOPE.

17 ROOF CONDENSATE PIPE SUPPORT

NOT TO SCALE


CLEANOUT PLUG
ROUND SECURED POLISHED BRONZE COVER
WALL
SANITARY OR STORM

18 WALL CLEANOUT

NOT TO SCALE

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS	
NAME:	
MECHANICAL ENGINEER	PE-2007025514
DISCIPLINE	LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA

4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

Dialectic
ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582

T 816-997-9601
F 816-997-9602
DialecticEng.com

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

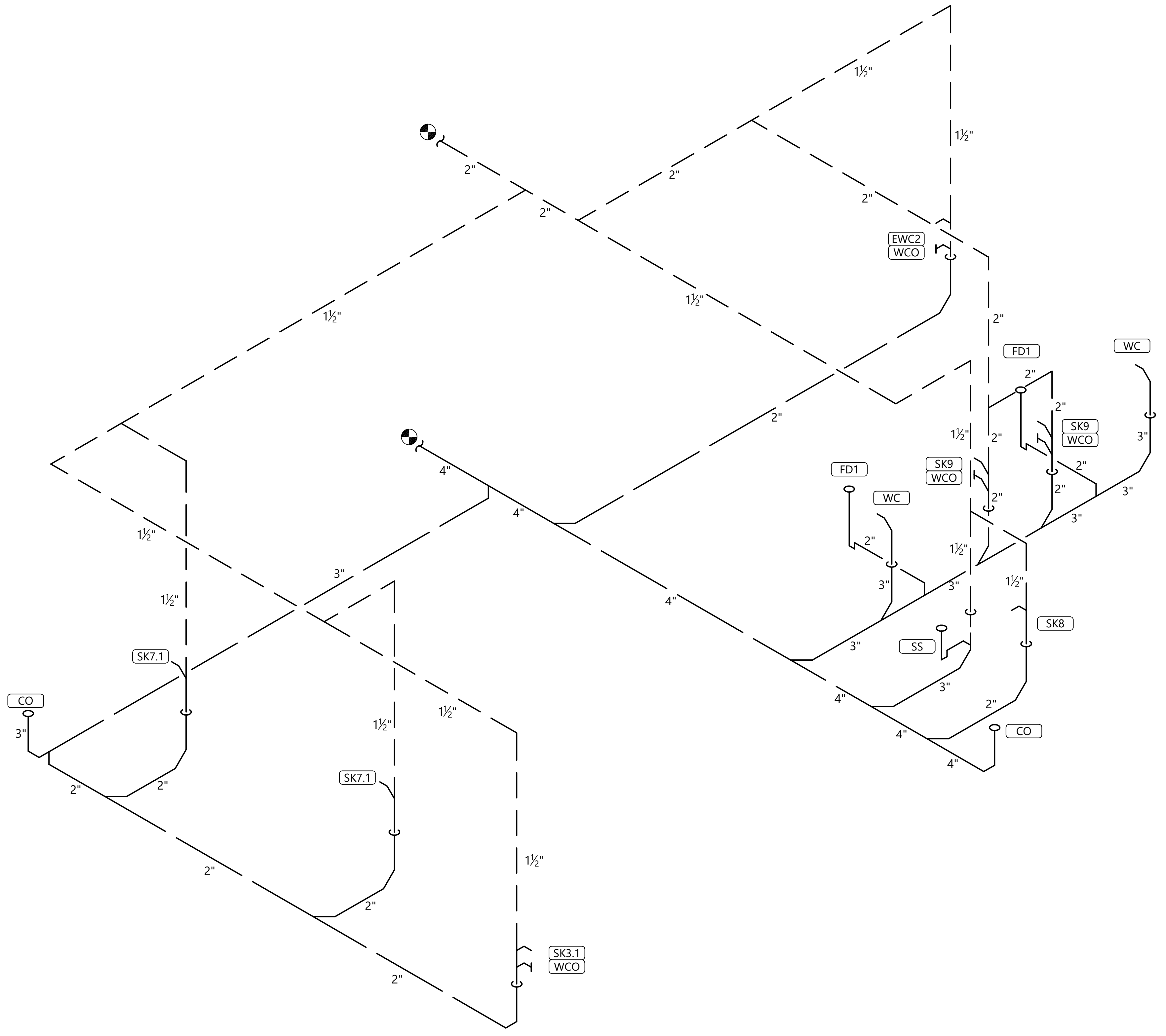
Title
PLUMBING GENERAL NOTES & DETAILS

Date 10/01/21

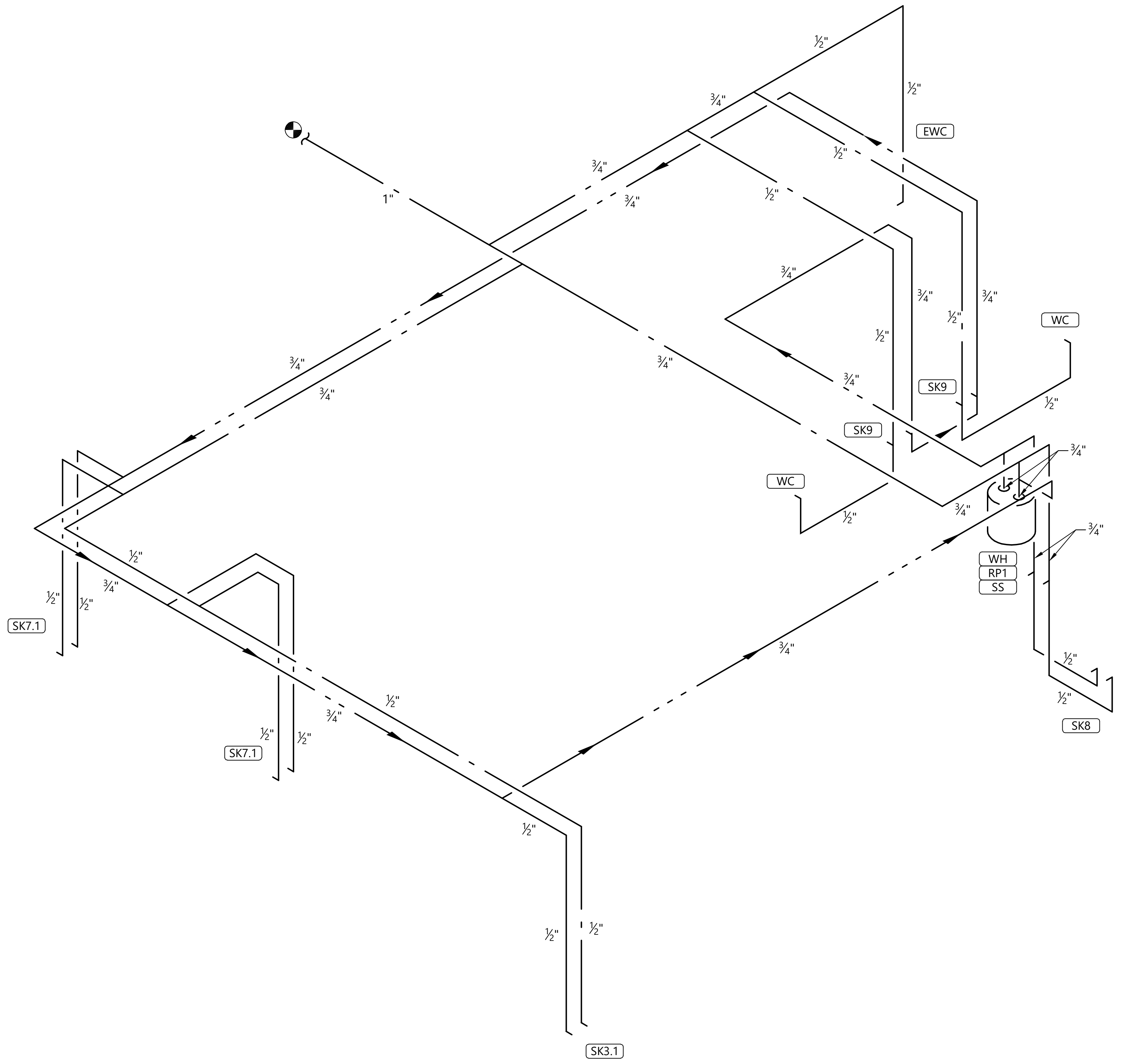
Drawn By ATL

Checked By NRP

Sheet P002



1 SANITARY RISER
NOT TO SCALE



2 DOMESTIC WATER RISER
NOT TO SCALE

ISOMETRIC NOTES:
PROVIDE WATER HAMMER ARRESTORS AT ALL TOILETS, LAVATORIES, AND OTHER EQUIPMENT WITH FAST CLOSING VALVES, COORDIANTE FINAL LOCATION OF ABOVE CEILING BALL VALVES WITH OWNER (TO BE LOCATED WITH OWNER DURING WALK THROUGH OF PROJECT).

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
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DESIGN & CONSTRUCTION MANAGEMENT:

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+1 (513) 765-6000
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Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of
Authorization Number 1582
T 816–997–9601
F 816–997–9602
DialecticEng.com

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10-04-21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

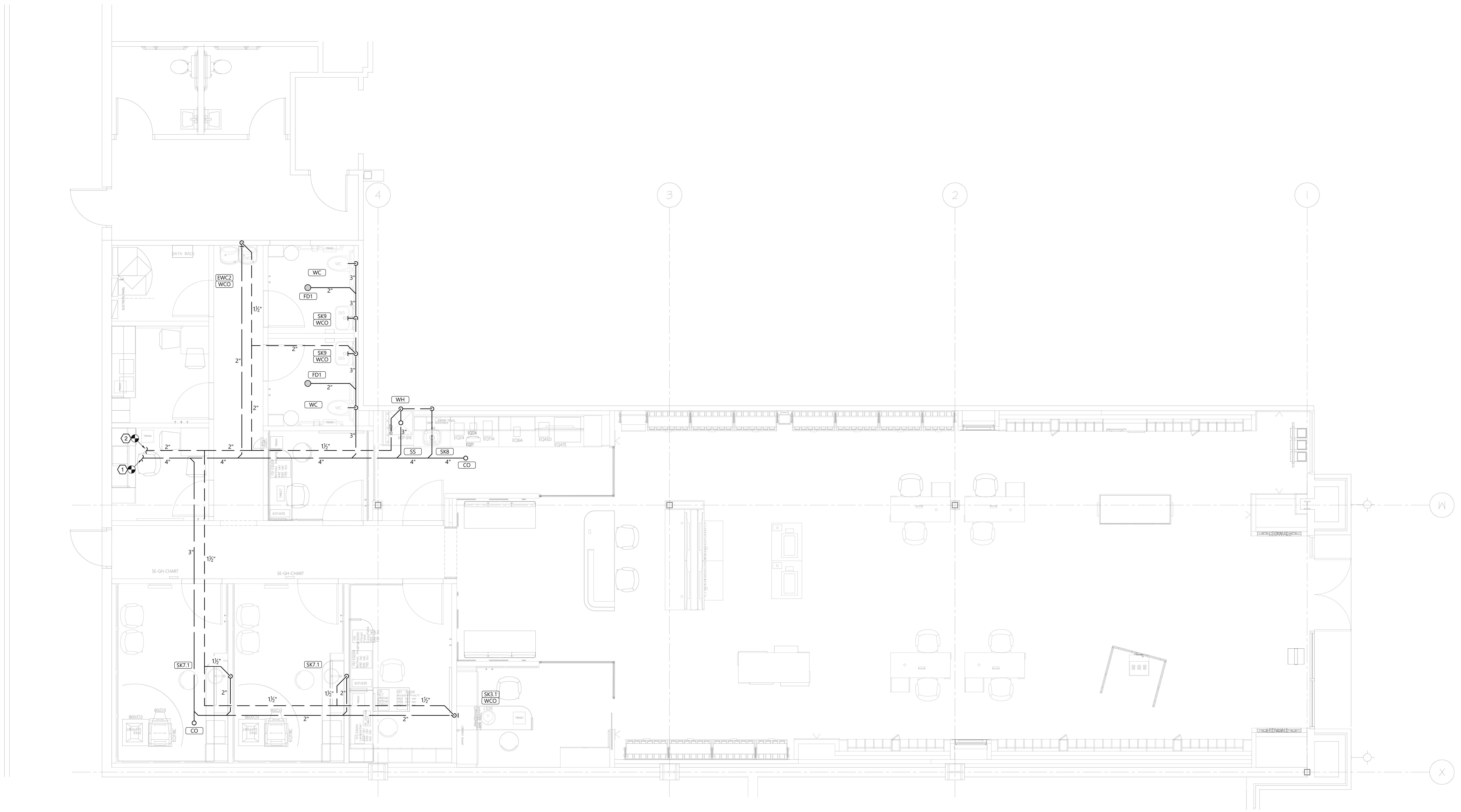
ISSUED FOR:
☐ Construction

Title
PLUMBING
ISOMETRIC
DIAGRAMS

Date 10/01/21
Drawn By ATL
Checked By NRP
Sheet P003

KEY NOTES

1. CONNECT TO EXISTING SANITARY WASTE LINE AS SHOWN PER PLANS. FIELD VERIFY EXACT SIZE, LOCATION, DEPTH, AND CONNECTION REQUIREMENTS PRIOR TO STARTING WORK. MAKE NECESSARY CONNECTIONS AS REQUIRED.
2. CONNECT TO EXISTING SANITARY VENT LINE AS SHOWN PER PLANS. FIELD VERIFY EXACT SIZE, LOCATION, AND CONNECTION REQUIREMENTS PRIOR TO STARTING WORK. MAKE NECESSARY CONNECTIONS AS REQUIRED.


4
3
2
1
M
X
DATA RACK
ELECTRICAL PANEL
EWC2
WCO
WC
FD1
SK9
WCO
SK5
WH
SS
SK8
CO
MOP-SINK
SOAP DISPENSER
PAPER TOWEL
EQ24
EQ22A
EQ21
EQ11A
EQ6A
EQ45D
EQ47E
TRASH
TABLET
SERVER
(5) EQ120F Retinal Imaging 440 (w) 500 (d) 795 (h)
SE-GH-CHART
SK7.1
SK3.1
WCO
EQ108
EQ109B
EQ118C
IPAD SUPPORT
(4) EQ105C Visual Field Easyfield 320 (w) 540 (d) 435 (h)
(3) NCT 286(w) 525(d) 530(h)
(2) EQ102 Autorefract
(1) EQ124 Lensmeter 220 (W) 240 (D) 410 (H)
PC STATION TABLET
UPPER CABINET
1
2
4"
3"
2"
1½"

1 PLUMBING PLAN - WASTE AND VENT

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

NORTH
TRUE

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER
DISCIPLINE
PE-2007025514
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of
Authorization Number 1582

T 816-997-9601
F 816-997-9602
DialecticEng.com

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10-04-21

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

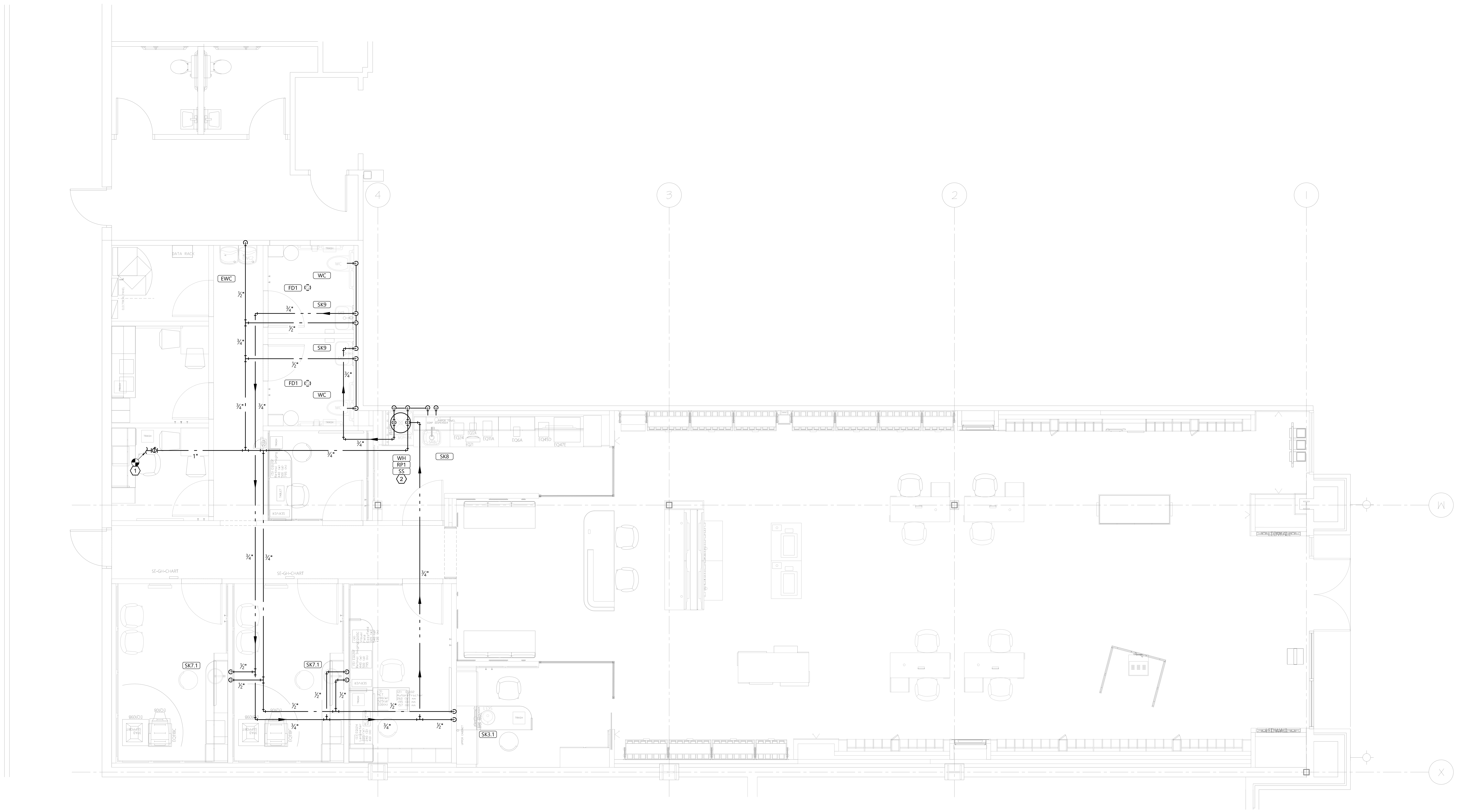
ISSUED FOR:
☐ Construction

Title
PLUMBING PLAN
WASTE & VENT

Date 10/01/21
Drawn By ATL
Checked By NRP
Sheet P200

KEY NOTES

1. CONNECT TO EXISTING DOMESTIC WATER LINE AS SHOWN PER PLANS. FIELD VERIFY EXACT SIZE, LOCATION, ROUTING, AND CONNECTION REQUIREMENTS PRIOR TO STARTING WORK. MAKE NECESSARY CONNECTIONS AS REQUIRED.
2. PROVIDE TANK WATER HEATER AND RECIRCULATION PUMP ABOVE MOP SINK PER "WATER HEATER" AND "SMALL EXPANSION TANK" DETAILS.



1 PLUMBING PLAN - DOMESTIC WATER

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

NORTH
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ROBERT HARRIS
NAME:
MECHANICAL ENGINEER
DISCIPLINE
PE-2007025514
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

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310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816-997-9601
F 816-997-9602
DialecticEng.com
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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514

10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
PLUMBING PLAN
DOMESTIC WATER

Date 10/01/21
Drawn By ATL
Checked By NRP

Sheet P201

GAS SCHEDULE

MARK	MBTU/H
RTU-1	150
RTU-2	60
TOTAL	210.0

GAS: NATURAL GAS

PIPING: SCH 40 STEEL

CODE: 2018 INTERNATIONAL FUEL GAS CODE

PRESSURE: 7" W.C. WITH 0.5" W.C. PRESSURE DROP

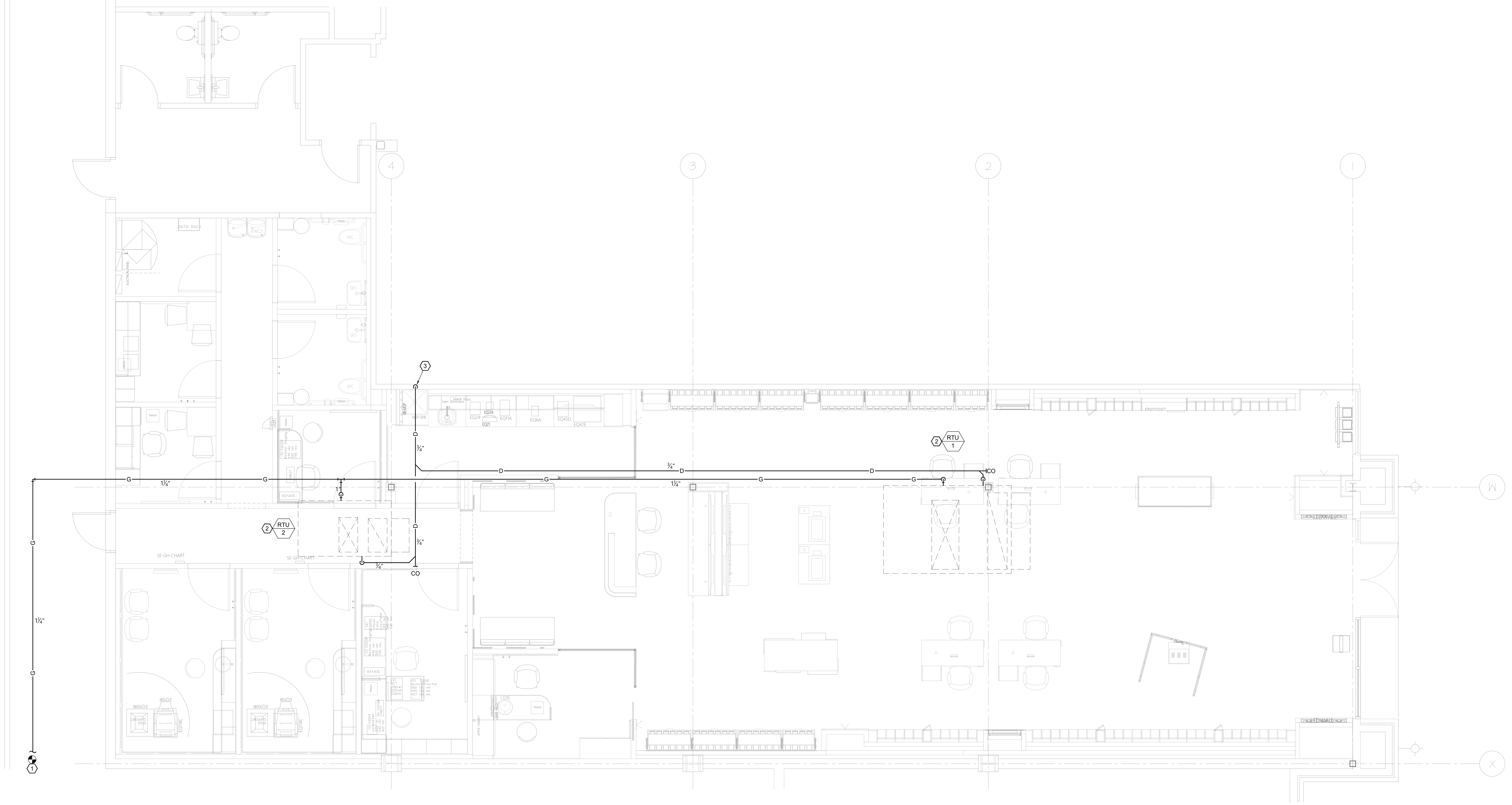
DEVELOPED LENGTH: 300 FEET

SIZE	CFH
¾"	57
1"	108
1¼"	221
1½"	331
2"	638

KEY NOTES

XX

1. COORDINATE WITH THE LOCAL GAS COMPANY TO INSTALL NEW GAS METER AND PRESSURE REGULATOR AT THE DEDICATED METER LOCATION. FIELD VERIFY EXACT LOCATION OF METER. REFER TO "GAS SERVICE" DETAIL. FIELD VERIFY CONNECTION REQUIREMENTS PRIOR TO INSTALLATION.
2. CONNECT TO ROOFTOP UNIT PER "ROOFTOP UNIT CONNECTIONS" DETAIL.
3. ROUTE CONDENSATE DRAIN TO MOP SINK AND INDIRECT PER "INDIRECT DRAIN" DETAIL.



1 PLUMBING PLAN - NATURAL GAS & CONDENSATE

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

NORTH

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ROBERT HARRIS
NAME:

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DISCIPLINE

PE–2007025514
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA

4000 Luxottica Place, Mason, OH 45040
+1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026
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ROBERT A. HARRIS
NUMBER PE-2007025514
10-04-21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
PLUMBING PLAN
NATURAL GAS &
CONDENSATE

Date 10/01/21
Drawn By ATL
Checked By NRP
Sheet P202

DIVISION 16000 - ELECTRICAL

PART I - GENERAL

A. GENERAL CONDITIONS, CODES & STANDARDS

1. ALL WORK SHOWN ON THE ELECTRICAL DOCUMENTS IS TO BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS NOTED OTHERWISE.

2. ALL WORK TO MEET APPLICABLE CODES AS LOCALLY ENFORCED. NO WORK ON THE DRAWINGS IS TO BE INSTALLED WHERE IT CONFLICTS WITH LOCAL CODE ENFORCEMENT. COORDINATE WITH THE LOCAL INSPECTOR PRIOR TO INSTALLATION.

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

4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE ELECTRICAL WORK AS SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.

5. TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.

B. SCOPE OF WORK

1. ONLY MAJOR EQUIPMENT IS SHOWN ON THE DRAWINGS. THE ELECTRICAL CONTRACTOR SHALL BID AND CONSTRUCT A COMPLETE AND OPERATIONAL SYSTEM. MISCELLANEOUS EQUIPMENT REQUIRED TO COMPLETE THE WORK IS IN THE ELECTRICAL CONTRACTOR'S SCOPE - ASSUME NO WORK OR EQUIPMENT IS PROVIDED BY OTHERS UNLESS STATED AS SUCH.

2. DURING BIDDING:

2.1. VERIFY THE EXISTING CONDITIONS AND COMPENSATE FOR ANY VARIATIONS IN THE SCOPE AS A RESULT.

2.3. WHERE THERE IS A CONFLICT THAT CANNOT BE RESOLVED BY THE GENERAL CONTRACTOR, ADVISE ENGINEER PROMPTLY FOR A RESOLUTION. DO NOT PROVIDE WORK WHEN THERE IS UNCERTAINTY ON WHAT WORK IS TO BE PERFORMED.

3. AS PART OF THE BIDDING PROCESS, REPORT TO THE TENANT ANY ERRORS OR UNCLEAR DIRECTIONS THAT YOU HAVE IDENTIFIED.

C. DOCUMENTS

1. SUBSTITUTIONS

1.1. THE MANUFACTURERS AND MODEL NUMBERS INDICATED IN THE CONTRACT DOCUMENTS ARE FOR THE PURPOSE OF DESCRIPTION AND TO ESTABLISH A BASE LEVEL OF QUALITY. THE GENERAL CONTRACTOR'S BID WILL CONTEMPLATE THE USE OF THE EQUIPMENT AND MATERIALS EQUIVALENT TO THOSE INDICATED.

2. MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS.

D. CONSTRUCTION COORDINATION

1. DURING BIDDING YOU VISITED THE SITE. WORK WITH THE GENERAL CONTRACTOR TO COORDINATE ANY CONFLICTS WITH EXISTING CONDITIONS. THIS WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE TENANT.

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

PART 2 - PRODUCTS

A. WIRING DEVICES

1. DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, NEMA 5-20R, RATED FOR 20 AMPS, 125 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING.

1.1. SPECIFICATION GRADE DUPLEX RECEPTACLE SHALL BE HUBBELL #5362 SERIES OR APPROVED EQUAL, HEAVY DUTY, WHITE.

1.3. GROUND FAULT CIRCUIT INTERRUPTER (GFI) DUPLEX RECEPTACLES SHALL BE PROVIDED WHERE INDICATED.

2. SWITCHES SHALL BE TOGGLE OPERATED, QUIET TYPE, RATED FOR 20 AMPS, 120/277 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. THREE WAY AND FOUR WAY SWITCHES SHALL BE PROVIDED WHERE INDICATED.

2.1. SINGLE POLE SWITCHES SHALL BE LEVITON #1221 SERIES OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V, WHITE.

2.2. THREE POLE SWITCHES SHALL BE LEVITON #1223 SERIES OR APPROVED EQUAL, SILENT ACTUATING, 20-AMP, 120/277V, WHITE.

3. DIMMERS SHALL BE LEVITON SLIDING DIMMER SWITCH, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED. COLORS OF DEVICES AND COVERPLATES SHALL WHITE.

4. COMBINATION WALL DIMMER/OCCUPANT SENSOR SHALL BE LUTRON MAESTRO 0-10V DIMMER WITH INTEGRAL PASSIVE INFRARED OCCUPANT SENSING, AVAILABLE IN 1-WAY OR 3-WAY CONFIGURATIONS. COLOR TO BE WHITE. VERIFY LOAD SERVED IS COMPATIBLE PRIOR TO ORDERING.

5. WIRING DEVICES SHALL BE SPECIFICATION GRADE.

6. COVERPLATES FOR POWER, DATA & TELEPHONE SHALL BE LEVITON OR APPROVED EQUAL, WHITE, PLASTIC.

7. LIGHTING CONTACTORS SHALL BE IN NEMA 1 ENCLOSURE, NORMALLY OPEN ELECTRICALLY HELD, 120V, COIL, 20A. REFER TO PLANS FOR NUMBER OF POLES.

B. LIGHTING AND RECEPTACLE LOAD CENTERS (PANELS)

1. BRANCH CIRCUIT LOAD CENTERS SHALL BE DEAD FRONT TYPE, WITH MAIN LUGS OR MAIN OVERCURRENT DEVICE AS INDICATED, BRANCH OVERCURRENT DEVICES AS NOTED AND AN EQUIPMENT GROUND BAR, ALL IN A FLUSH MOUNTED SHEET STEEL ENCLOSURE. MINIMUM SHORT CIRCUIT CAPACITY SHALL BE 10,000 AMPS SYMMETRICAL FOR 120/208V, AND 14,000 AMPS SYMMETRICAL FOR 277/480V APPLICATION UNLESS NOTED OTHERWISE. LOAD CENTERS MUST BE SELECTED TO FIT IN A STANDARD STUD WALL.

2. LOAD CENTERS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, ITE/SIEMENS OR WESTINGHOUSE/CUTLER HAMMER.

C. FIXTURES AND LAMPS

1. ALL FIXTURES AND LAMPS ARE FURNISHED BY TENANT, INSTALLED BY ELECTRICAL CONTRACTOR..

D. FIRE ALARM SYSTEM

1. ALL WORK ON FIRE ALARM SYSTEM TO BE BY THE LANDLORD/OWNER REQUIRED CONTRACTOR AT ELECTRICAL CONTRACT'S EXPENSE.

PART 3 - EXECUTION

A. GENERAL MISCELLANEOUS

1. ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED. 2.

2. PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANELBOARDS. PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.

3. INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.

4. ALL FLUSH MOUNTED ;LOADCENTERS SHALL HAVE (3) 3/4" EMPTY CONDUITS INSTALLED TO ABOVE ACCESSIBLE CEILING FOR FUTURE USE.

5. THE FINAL LOCATIONS OF ALL EQUIPMENT, OUTLETS, ETC. SHALL BE SUBJECT TO REASONABLE CHANGES IN LOCATION UP TO THE TIME OF ROUGHING-IN, AT NO ADDITIONAL COST TO THE TENANT.

B. GROUNDING

1. GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS AND SUPPLEMENTAL AS REQUIRED TO MEET CODE (SUCH AS ARTICLE 517).

C. TESTS

1. TEST FOR GROUNDS, SHORT CIRCUITS, AND PROPER FUNCTION OF ALL EQUIPMENT AFTER INSTALLATION IS COMPLETE. FAULTS IN THE INSTALLATION SHALL BE CORRECTED AT NO COST TO THE TENANT.

D. DEMOLITION

1. DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT, IF APPLICABLE, SHALL BE PART OF THE ELECTRICAL WORK AS INDICATED ON THE DRAWINGS.

GENERAL NOTES

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

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

C. WHERE DRYWALL CEILINGS ARE USED IN THE SALES AREA, E.C. SHALL ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHALL BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS. IF PLAN LOCATION IS NOT ACCEPTABLE, IMMEDIATELY CONTACT NEXTORE PROJECT MANAGER FOR DIRECTION.

D. E.C. SHALL RELAMP ALL FIXTURES PRIOR TO STORE OPENING BUT NOT DURING HEAVY CONSTRUCTION PERIOD.

E. LIGHTING CIRCUITS UP TO 100'-0" IN LENGTH SHALL UTILIZE #12 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 101'-0" TO 150'-0" IN LENGTH SHALL UTILIZE #10 CONDUCTORS MINIMUM. LIGHTING CIRCUITS FROM 151'-0" TO 250'-0" IN LENGTH SHALL UTILIZE #8 CONDUCTORS MINIMUM. LIGHTING CIRCUITS ABOVE 251'-0" IN LENGTH SHALL UTILIZE #6 CONDUCTORS MINIMUM.

F. E.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY NEXTORE. E.C. IS RESPONSIBLE TO ENSURE THE ADJUST ABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C. LIGHT FIXTURE SPECIFICATIONS MAY VARY, IF THIS IS THE CASE, CONTRACTOR SHALL CALL THE LIGHTING DISTRIBUTOR FOR EXACT SPECIFICATION OF LIGHTING FIXTURES. IF THE CEILING SYSTEMS ARE FIRE RATED, E.C. SHALL CLOSELY COORDINATE FIXTURE REQUIREMENTS WITH NEXTORE.

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

H. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

I. ALL MOUNTING HEIGHTS FROM THE CENTERLINE OF THE BOX TO THE FINISHED FLOOR ARE AS FOLLOWS, UNLESS NOTED OTHERWISE ON PLAN: SWITCHES-48", ELECTRICAL/TELEPHONE/DATA OUTLETS-18", TOP OF PANELBOARDS-6'-6", TIMECLOCKS-5'-0". FOR ALL LENS PROCESSING ROOM OUTLET MOUNTING HEIGHTS SEE EQUIPMENT WIRING SCHEDULE.

J. FLEXIBLE CONDUIT SHALL BE USED FOR ALL FINAL CONNECTIONS TO MILLWORK, INTERIOR LIGHTING FIXTURES, AND EQUIPMENT. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 12'-0".

K. 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 NEXTORE PROJECT MANAGER.

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

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

N. ALL RECEPTACLES ARE TO BE LABELED WITH PANEL AND CIRCUIT NUMBER.

O. THE E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

P. SEE DATA RISER ON SHEET E002 FOR ADDITIONAL INFORMATION.

Q. PROVIDE POWER, TELEPHONE AND DATA CONDUIT WITHIN FLOOR, BETWEEN FIXTURE AND NEAREST WALL WHERE INDICATED ON PLANS. METHOD OF CORE DRILLING SHALL BE PER BUILDING REQUIREMENTS. ALL CORE DRILL REQUIREMENTS SHALL BE VERIFIED WITH LANDLORD. CONTRACTOR SHALL SIZE CONDUIT PER NEC. PROVIDE FOR X-RAY OF FLOOR WHERE REQUIRED BY THE LANDLORD.

ELECTRICAL SYMBOLS

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

XX-## PANEL CIRCUIT	HOMERUN TO PANEL AND CIRCUIT INDICATED
- - - - - - -	INFLOOR/UNDERFLOOR CONDUIT/WIRE
Ⓙ	JUNCTION BOX
	DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, GROUNDING TYPE, 20 AMPERE, MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED: "2" INDICATES CIRCUIT NUMBER "E" EXISTING TO REMAIN "WP" INDICATES WEATHERPROOF COVER "D" DEDICATED CIRCUIT "GFI" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE "R" INDICATES RECESSED
	DOUBLE DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, GROUNDING TYPE, 20 AMPERE, MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
	DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, 20 AMPERE MOUNTED IN FLOOR BOX. "CLG" INDICATES MOUNTED IN CEILING
	COMBINATION DUPLEX RECEPTACLE AND VOICE/DATA OUTLET MOUNTED IN FLOOR BOX.
	DOUBLE DUPLEX RECEPTACLE - 125 VOLT, 2 POLE, 3 WIRE, 20 AMPERE MOUNTED IN FLOOR BOX.
▽	COMMUNICATIONS FLOOR BOX
$	SWITCH - SINGLE POLE TOGGLE TYPE - 120/277 VOLT, 1-HP RATED, 20 AMPERE, MOUNTED AT 48" AFF UNLESS OTHERWISE NOTED: "3" INDICATES THREE WAY SWITCH "4" INDICATES FOUR WAY SWITCH "C" INDICATES SWITCH MOUNTED 8" ABOVE COUNTER "OS" INDICATES OCCUPANCY SENSOR SWITCH "D" INDICATES DIMMER SWITCH - WATTAGE AS INDICATED ON PANEL SCHEDULE. EACH BRANCH CIRCUIT SHALL INCLUDE A SEPARATE NEUTRAL CONDUCTOR SWITCH USED AS A MASTER OVER OTHER SWITCHES IN THE ROOM
OS	CEILING MOUNTED OCCUPANT SENSOR
AD a	LIGHT FIXTURE: "AD" INDICATES FIXTURE TYPE "a" INDICATES SWITCH CONTROL. REFER TO LUMINAIRE SCHEDULE FOR DESCRIPTION.
TL #T-S	TRACK AND TRACK MOUNTED LIGHT FIXTURE (DESIGNATIONS VARY - SEE PLANS)
○ D	RECESSED DOWNLIGHT. DESIGNATIONS VARY - SEE PLANS.
	ILLUMINATED "EXIT" SIGN LIGHTING FIXTURE. CEILING MOUNTED OR WALL MOUNTED. PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS.
TC	LIGHTING TIME CLOCK
▽	DATA OUTLET: MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. PROVIDE SINGLE GANG BOX WITH PLASTER RING AND 3/4" CONDUIT TO ABOVE THE ACCESSIBLE CEILING. SEE ELEVATIONS FOR HEIGHTS.
	SWITCHED WIRING
	BRANCH CIRCUIT WIRING
	HOMERUN
	MOTOR
	DOOR BELL EXTERIOR PUSH BUTTON
T S ●	DOOR BELL TRANSFORMER AND SIGNAL
Ⓢ	SPEAKER
	SECURITY CAMERA

FIRE ALARM DEVICES ARE ONLY SHOWN FOR PREFERENTIAL LOCATION. FINAL LOCATIONS AND QUANTITIES SHALL BE DETERMINED BY LL AND FIRE ALARM ENGINEER- VERIFY PRIOR TO ROUGH IN.

F	FIRE ALARM MANUAL PULL STATION MOUNTED AT 48" AFF.
F◁	FIRE ALARM AUDIO/VISUAL ALARM SIGNAL WALL MOUNTED AT 80" AFF.
V	FIRE ALARM VISUAL ONLY ALARM SIGNAL WALL MOUNTED AT 80" AFF.
V CLG	FIRE ALARM VISUAL ONLY ALARM SIGNAL CEILING MOUNTED
F◁CLG	FIRE ALARM AUDIO/VISUAL ALARM SIGNAL CEILING MOUNTED
SD	FIRE ALARM SMOKE DETECTOR
SD—	FIRE ALARM SMOKE DETECTOR - DUCT MOUNTED

RESPONSIBILITY SCHEDULE (ELECTRICAL)

SUPPLIED BY / RECEIVED BY / INSTALLED BY / EXISTING / PATCH & REPAIR / RELOCATE / REMARKS

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

DIVISION 16000 - ELECTRICAL	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
CONNECTION AND WIRING @ MILLWORK THROUGHOUT	GC	GC	GC				ALL MILLWORK LIGHTING IS PLUG & PLAY. - FOLLOW UP REQUIRED BY NEXTORE-
ELECTRICAL SERVICE, FEEDERS, CONDUIT, METERS	GC	GC	GC				SEE ELECTRICAL SHEETS FOR REQUIREMENTS
ELECTRICAL PANELS / TRANSFORMERS	GC	GC	GC				GC TO REFER TO ELECTRICAL RISER DIAGRAM
ELECTRICAL WIRING, CIRCUITING, RECEPTACLES, SWITCHES	GC	GC	GC				
RECEPTACLES IN MILLWORK	GC	GC	GC				
EMERGENCY LIGHTING	T	GC	GC				
EXIT SIGNS	T	GC	GC				
NEW LIGHT FIXTURES & LAMPS	T	GC	GC				
CONDUITS - DATA, COMMUNICATION, ALARMS, PHONES	GC	GC	GC				
BUZZER AT REAR DOOR	GC	GC	GC				
WIRELESS EQUIPMENT	T	T	T				
SECURITY - HARDWARE	T	GC	T				
SECURITY - WIRING	GC	GC	T				WIRING TO BE PLENUM RATED
POS AND DATA WIRING (TEMPORARY)	GC	GC	GC				
POS AND DATA WIRING (PERMANENT)	GC	GC	GC				WIRING TO BE PLENUM RATED
WIRING TO WIRELESS ACCESS POINTS	GC	GC	GC				
BACKBOARD TERMINATION - DATA	GC	GC	GC				
BACKBOARD TERMINATION - PHONE	T	T	T				
FIRE ALARM SYSTEM	GC	GC	GC				PROVIDE NEW DEVICES AND/OR MODIFY AS REQUIRED. UTILIZE LANDLORD REQUIRED FIRE ALARM VENDOR.
PRODUCT SECURITY SYSTEM	GC	GC	GC				GC TO COORDINATE W VENDOR
LOW VOLTAGE EQUIMENT & WIRING	GC	GC	GC				SEE SPECIALIZED LOW VOLTAGE SCHEDULE ON ELECTRICAL SHEETS.

MEP RESP
SCHEDULE-REV00

RESPONSIBILITY SCHEDULE (LOW VOLTAGE)

SUPPLIED BY / RECEIVED BY / INSTALLED BY / EXISTING / PATCH & REPAIR / RELOCATE / REMARKS

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

DIVISION 16000 - LOW VOLTAGE	SUPL	RCV.	INSTL	EX'G	P & R	RELO	REMARKS
DATA/TECH RACK	EC	EC	EC				X
DATA/TECH RACK - DATA WIRING	EC	EC	EC				
DATA/TECH RACK - PATCH PANELS	EC	EC	EC				
DATA/TECH RACK - DATA JACKS	EC	EC	EC				
DATA - LABELING BOTH ENDS OF CABLE	EC	EC	EC				
TRAFFIC COUNTER	T	EC	T				
TRAFFIC COUNTER - DATA WIRING	EC	EC	EC				
SURVEILLANCE CAMERA	T	EC	T				
SURVEILLANCE CAMERA - DATA WIRING	EC	EC	EC				
SOUND SYSTEM	T	T	T				
SOUND SYSTEM - RECEPTACLES (UNSWITCHED)	EC	EC	EC				
SOUND SYSTEM - HEAD END EQUIPMENT	T	T	T				
SOUND SYSTEM - SPEAKER WIRING (ACT CEILING)	T	T	T				
SOUND SYSTEM - SPEAKER WIRING (GYP CEILING)	T	T	T				
SOUND SYSTEM - RACEWAY SYSTEM TO SPEAKERS WHEN A GYP CEILING IS INSTALLED. PROVIDE PULL WIRE.	EC	EC	EC				
SOUND SYSTEM - SPEAKER	T	T	T				
LED WALLS	T	T	T				
LED - RECEPTACLES (UNSWITCHED)	EC	EC	EC				
LED - DATA OUTLETS, TERMINATED AND TESTED	EC	EC	EC				
LED - DATA WIRING BACK TO PATCH PANEL	EC	EC	EC				
LED - POWER WIRING BETWEEN COMPONENTS	T	T	T				
LED - DATA WIRING BETWEEN COMPONENTS	T	T	T				
LED - MEDIA PLAYER	T	T	T				
LED - MEDIA PLAYER SHELF	EC	EC	EC				
LED - PROGRAMMING	T	T	T				
TELEPHONE FIRE RATED PLYWOOD BACKBOARD (TELE BCKBRD)	EC	EC	EC				
TELE BCKBRD - CONDUIT FROM LL ROOM TO TENANT SPACE	EC/LL	EC/LL	EC/LL				
TELE BCKBRD - WIRING FROM LL ROOM TO TENANT SPACE	EC	EC	EC				
TELE BCKBRD - PLYWOOD BACKBOARD	EC	EC	EC				
TELE BCKBRD - UNSWITCHED RECEPTACLES	EC	EC	EC				
BACKWRAP - DLINK SWITCH (WHERE USED)	T	T	T				
EQUIPMENT SPECIFICATIONS	☒	☒	☒	☒	☒	☒	
LENSCRAFTERS INLINE RACK KITS							
RETAIL EQUIPMENT RACK KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part# LUX-OPTICAL-1V2. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations.
RETAIL FIELD DATA CABLING KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part # LUXFTR-CABLING-1. Includes Field cabling for low voltage Retail data network, includes all cabling and termination jacks required for site.
DOCTOR/DDC EQUIPMENT RACK KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part# LUX-DDC-1. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for doctor lane installations.
DOCTOR/DDC DATA CABLING KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part # LUX-DDCCAB-1. Includes Field cabling for low voltage Doctor data network, includes all cabling and termination jacks required for site.
SUNGLASS HUT INLINE AND OUTLET RACK KITS							
RETAIL EQUIPMENT RACK KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part# LUX-SUNMODEL-1. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations.
RETAIL FIELD DATA CABLING KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part # LUXFTR-CABLING-1. Includes Field cabling for low voltage Retail data network, includes all cabling and termination jacks required for site.
OAKLEY, RAYBAN, OLIVER PEOPLES RACK KITS							
RETAIL EQUIPMENT RACK KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part# LUX-SUNMODEL-1. Includes Racks, Components, Termination Panels, Shelves, and Cable Management required for retail sales floor installations.
RETAIL FIELD DATA CABLING KIT	EC	EC	EC				Order from Anixter. 5-7 Day Lead Time. Reference Luxottica Part # LUXFTR-CABLING-1. Includes Field cabling for low voltage Retail data network, includes all cabling and termination jacks required for site.
CAT6 PLENUM CABLE - 1000 FT BOX	EC	EC	EC				Order from Anixter. Reference Manufacturer Part # CMP-00423GEN-6U-06
CAT6 TERMINATION JACK - WHITE	EC	EC	EC				Order from Anixter. Reference Manufacture Part # CJ688TGWH
CAT6 TERMINATION JACK - BLUE	EC	EC	EC				Order from Anixter. Reference Manufacture Part # CJ688TGBU
4 PORT WHITE FACEPLATE - MINICOM	EC	EC	EC				Order from Anixter. Reference Manufacture Part # CFP4WH
2 PORT WHITE FACEPLATE - MINICOM	EC	EC	EC				Order from Anixter. Reference Manufacture Part # CFP2WH
WIRING FROM LL TELEPHONE ROOM TO SPACE: 25 PAIR, CATEGORY 5e, PLENUM GenSPEED® 5000 Category 5e 25-Pair Backbone Cable, Grey	EC	EC	EC				
TESTING AND REPORTS	EC	EC	EC				
Testing of ALL Data Cabling Terminations	EC	EC	EC				Testing to ANSI/TIA-568-C.2 CAT 6 Field Test Specifications
PDF Report of Compilance with Testing	EC	EC	EC				Provide reporting of each cable and termination compliance with ANSI/TIA-568-C.2 Testing
Horizontal Cable Labeling	EC	EC	EC				Label each horizontal cable according to ANSI/TIA-606-B Standards
Panel Schedule Labeling and Identification	EC	EC	EC				Label each termination panel in accordance with provided schedule to correspond to field terminations
Field Location Labeling and Identification	EC	EC	EC				Label each Field Outlet in accordance with provided schedule to correspond to panel terminations
Field Location Cable Mapping and Identification	EC	EC	EC				Provide updated drawing indicating field locations of each horizontal cable
TELEPHONE BACKBOARD DIGITAL EQUIPMENT	☒	☒	☒	☒	☒	☒	
MIRAKI ROUTER	T	T	T				
66 BLOCK OR BISQUIT JACK	U	U	U				
CONNECTION BETWEEN THE 66 BLOCK AND PATCH PANEL	T	T	T				
ROUTERS OR SWTCHES, UNLESS NOTED SPECIFICALLY OTHERWISE	T	T	T				
PATCH CABLES BETWEEN PATCH PANELS AND ELECTRONICS	T	T	T				
ANY PATCH CABLES	T	T	T				
VENDOR CONTACTS:							

Karen Reeves
Inside Sales Representative
Anixter Inc.
Tel: 3172806130
Mob: 317-502-6585
Karen.Reeves@anixter.com

MEP RESP
SCHEDULE-REV00

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER PE-2012032391
DISCIPLINE LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582
T 816-997-9601
F 816-997-9602
DialecticEng.com
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Seal
ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
ELECTRICAL GENERAL NOTES & DETAILS

Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E001

CLARIFYE CABLING & NETWORK QA CHECKLIST

To be complete by Project Manager on Monday the week of the CLARIFYE installation

If any of the tasks or labels are not completed correctly, escalate to the on-site Fleet Renewal Manager immediately

Task	**Completed (Y/N)**
Doctor Data Cabinet in the Telecom Backboard or Designated Telecom Area	
Confirm the modem is extended into the DDC (if the internet service does not have a modem and it just a jack, confirm the jack is patched over to the DDC)	
Confirm the modem is labeled as the "CLARIFYE Modem"	
Confirm the DDC has a 48-port patch panel installed	
Confirm there is a switch in the DDC labeled as "Doctor Switch"	
Exam Rooms	
Confirm the Recessed Entertainment Box is installed 6'2" from the floor and 3'4" from the right-hand wall when facing the box	
Confirm the cable runs for the wireless access points are to the correct locations and labeled on the ceiling.	

Completed By: ______________________________

Date Completed: ______________________________

Equipment inside the Doctor Data Cabinet	
Confirm Cisco Meraki router is properly mounted inside the Doctor DDC cabinet	
Confirm the Cisco Meraki router is labeled as the "CLARIFYE Router"	
Confirm that the ethernet terminations from the rooms are correctly punched down and labeled to the patch panel in the DDC	
Confirm there is an available power outlet within 3' of the DDC cabinet	
Confirm Cisco Meraki router is online with a solid white status light	

Cable Run Label & Testing Confirmations

Cable From	Cable To	# of Runs/Face-Plate Location	Room Face Plate Labels	DDC Patch Panel Labels	Confirm all data jacks are labeled correctly on both ends (Y/N)	Confirm all cable runs tested successfully (Y/N)
Pretest 1	DDC Patch Panel	2	P1A-P1B	P1A-P1B		
Pretest 1	DDC Patch Panel	2	P1C-P1D	P1C-P1D		
Alcove Or Pretest 2	DDC Patch Panel	2	P2A-P2B	P2A-P2B		
Alcove Or Pretest 2	DDC Patch Panel	2	P2C-P2D	P2C-P2D		
Pretest 3	DDC Patch Panel	2	P3A-P3B	P3A-P3B		
Pretest 3	DDC Patch Panel	2	P3C-P3D	P3C-P3D		
OD Reception	DDC Patch Panel	1	R1	R1		
OD Reception	DDC Patch Panel	1	R2	R2		
OD Reception	DDC Patch Panel	1	R3	R3		
OD Reception	DDC Patch Panel	1	R4	R4		
Exam 1 Wall	DDC Patch Panel	2	E1A & E1B	E1A & E1B		
Exam 1 Desk	DDC Patch Panel	4	E1C, E1D, E1E, E1F	E1C, E1D, E1E, E1F		
Exam 1 Below Monitor	DDC Patch Panel	1	E1G	E1G		
Exam 2 Wall	DDC Patch Panel	2	E2A & E2B	E2A & E2B		
Exam 2 Desk	DDC Patch Panel	4	E2C, E2D, E2E, E2F	E2C, E2D, E2E, E2F		
Exam 3 Wall	DDC Patch Panel	2	E3A & E3B	E3A & E3B		
Exam 3 Desk	DDC Patch Panel	4	E3C, E3D, E3E, E3F	E3C, E3D, E3E, E3F		
Wireless Access Point 1	DDC Patch Panel	1	AP1	AP1		
Wireless Access Point 2	DDC Patch Panel	1	AP2	AP2		

PATCH PANEL: **A – VOICE** TOTAL NUMBER OF PORTS: 24 LOCATED AT THE PHONE BOARD - LENSCRAFTERS NETWORK

PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION
1	A01	WORK COUNTER-MGR-A1	7	A07	CASH DESK-A1	13	A13	OD RECEPTION – A1	19	A19	EXAM ROOM #2 - WALL
2	A02	WORK COUNTER-MGR-A2	8	A08	CASH DESK-A2	14	A14	OD RECEPTION – A2	20	A20	EXAM ROOM #2
3	A03	WORK COUNTER-MGR-B1	9	A09	RETAIL SELECT TABLE	15	A15	OD RECEPTION – B1	21	A21	EXAM ROOM #3 - WALL
4	A04	WORK COUNTER-MGR-B2	10	A10	RETAIL SELECT TABLE	16	A16	OD RECEPTION – B2	22	A22	EXAM ROOM #3
5	A05	-	11	A11	URGENT CARE LAB	17	A17	EXAM ROOM #1 - WALL	23	A23	CONTACT LENS-A1
6	A06	-	12	A12	-	18	A18	EXAM ROOM #1	24	A24	CONTACT LENS-B1

PATCH PANEL: **B – DATA** TOTAL NUMBER OF PORTS: 48 LOCATED AT THE PHONE BOARD - LENSCRAFTERS NETWORK

PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION
1	B01	WiFi ON SALES FLOOR	13	B13	CASH DESK-B1	25	B25	SALES AREA PERIMETER	37	B37	SALES AREA GONDOLA
2	B02	Future WiFi	14	B14	CASH DESK-B2	26	B26	SALES AREA PERIMETER	38	B38	SALES AREA GONDOLA
3	B03	TRAFFIC COUNTER	15	B15	CASH DESK-B3	27	B27	SALES AREA PERIMETER	39	B39	SALES AREA GONDOLA
4	B04	Future TRAFFIC COUNTER	16	B16	CASH DESK-B4	28	B28	SALES AREA PERIMETER	40	B40	SALES AREA GONDOLA
5	B05	-	17	B17	-	29	B29	SALES AREA PERIMETER	41	B41	
6	B06	-	18	B18	-	30	B30	SALES AREA PERIMETER	42	B42	
7	B07	-	19	B19	-	31	B31	SALES AREA PERIMETER	43	B43	
8	B08	-	20	B20	-	32	B32	SALES AREA PERIMETER	44	B44	
9	B09	CASH DESK-A1	21	B21	WORK COUNTER-MGR	33	B33	SALES AREA GONDOLA	45	B45	URGENT CARE LAB-Desk
10	B10	CASH DESK-A2	22	B22	WORK COUNTER-MGR	34	B34	SALES AREA GONDOLA	46	B46	URGENT CARE LAB-Screen
11	B11	CASH DESK-A3	23	B23	WORK COUNTER-MGR	35	B35	SALES AREA GONDOLA	47	B47	URGENT CARE LAB-Screen
12	B12	CASH DESK-A4	24	B24	WORK COUNTER–MGR	36	B36	SALES AREA GONDOLA	48	B48	-

PATCH PANEL: **C – MEDIA/VIDEO** TOTAL NUMBER OF PORTS: 48 LOCATED AT THE PHONE BOARD - LENSCRAFTERS NETWORK

PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION
1	C01	SALES FLOOR LW01	13	C13	CASH DESK VIDEO WALL	25	C25	SALES AREA MEDIA	37	C37	SALES AREA SURVEILLANCE
2	C02	SALES FLOOR LW01	14	C14	CASH DESK VIDEO WALL	26	C26	SALES AREA MEDIA	38	C38	SALES AREA SURVEILLANCE
3	C03	SALES FLOOR LW01	15	C15	CASH DESK VIDEO WALL	27	C27	SALES AREA MEDIA	39	C39	SALES AREA SURVEILLANCE
4	C04	SALES FLOOR LW01	16	C16	CASH DESK VIDEO WALL	28	C28	SALES AREA MEDIA	40	C40	SALES AREA SURVEILLANCE
5	C05	SALES FLOOR LW02	17	C17	CASH DESK VIDEO WALL	29	C29	SALES AREA MEDIA	41	C41	SALES AREA SURVEILLANCE
6	C06	SALES FLOOR LW02	18	C18	CASH DESK VIDEO WALL	30	C30	SALES AREA MEDIA	42	C42	SALES AREA SURVEILLANCE
7	C07	SALES FLOOR LW02	19	C19	OD DESK VIDEO WALL	31	C31	SALES AREA MEDIA	43	C43	SALES AREA SURVEILLANCE
8	C08	SALES FLOOR LW02	20	C20	OD DESK VIDEO WALL	32	C32	SALES AREA MEDIA	44	C44	SALES AREA SURVEILLANCE
9	C09	SALES FLOOR LW03	21	C21	OD DESK VIDEO WALL	33	C33	SALES AREA SURVEILLANCE	45	C45	SALES AREA SURVEILLANCE
10	C10	SALES FLOOR LW03	22	C22	OD DESK VIDEO WALL	34	C34	SALES AREA SURVEILLANCE	46	C46	SALES AREA SURVEILLANCE
11	C11	SALES FLOOR LW03	23	C23	OD DESK VIDEO WALL	35	C35	SALES AREA SURVEILLANCE	47	C47	SALES AREA SURVEILLANCE
12	C12	SALES FLOOR LW03	24	C24	-	36	C36	SALES AREA SURVEILLANCE	48	C48	SALES AREA SURVEILLANCE

PATCH PANEL: **D –DDC** TOTAL NUMBER OF PORTS: 48 LOCATED AT THE PHONE BOARD -DOCTORS NETWORK

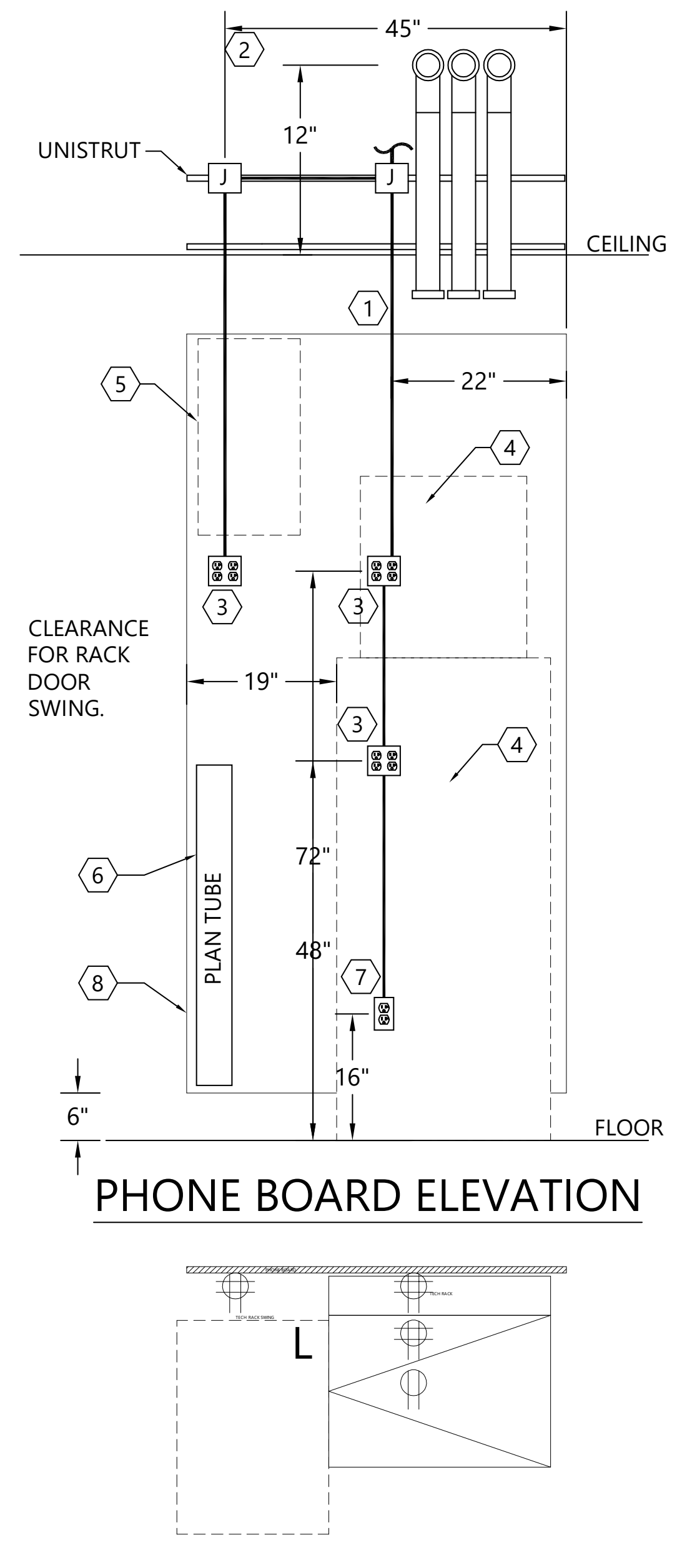
PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION
1	D01	PRETEST 1A	13	D13	PRETEST 4A	25	D25	EXAM-2B	37	D37	EXAM-4B
2	D02	PRETEST 1B	14	D14	PRETEST 4B	26	D26	EXAM-2C	38	D38	EXAM-4C
3	D03	PRETEST 1C	15	D15	PRETEST 4C	27	D27	EXAM-2D	39	D39	EXAM-4D
4	D04	PRETEST 1D	16	D16	PRETEST 4D	28	D28	EXAM-2E	40	D40	EXAM-4E
5	D05	PRETEST 2A	17	D17	EXAM-1A	29	D29	EXAM-2F	41	D41	EXAM-4F
6	D06	PRETEST 2B	18	D18	EXAM-1B	30	D30	EXAM-3A	42	D42	OD-RECEPTION-R1A
7	D07	PRETEST 2C	19	D19	EXAM-1C	31	D31	EXAM-3B	43	D43	OD-RECEPTION-R1B
8	D08	PRETEST 2D	20	D20	EXAM-1D	32	D32	EXAM-3C	44	D44	OD-RECEPTION-R2A
9	D09	PRETEST 3A	21	D21	EXAM-1E	33	D33	EXAM-3D	45	D45	OD-RECEPTION-R2B
10	D10	PRETEST 3B	22	D22	EXAM-1F	34	D34	EXAM-3E	46	D46	OD-WAP-1
11	D11	PRETEST 3B	23	D23	EXAM-1G	35	D35	EXAM-3F	47	D47	OD-WAP-2
12	D12	PRETEST 3D	24	D24	EXAM-2A	36	D36	EXAM-4A	48	D48	-

PATCH PANEL: **E – DDC MEDIA** TOTAL NUMBER OF PORTS: 24 LOCATED AT THE PHONE BOARD - LENSCRAFTERS NETWORK

PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION	PORT	LABEL	DESCRIPTION
1	E01	-	7	E07	-	13	E13	-	19	E19	-
2	E02	-	8	E08	-	14	E14	-	20	E20	-
3	E03	-	9	E09	-	15	E15	-	21	E21	-
4	E04	-	10	E10	-	16	E16	-	22	E22	-
5	E05	-	11	E11	-	17	E17	-	23	E23	-
6	E06	-	12	E12	-	18	E18	-	24	E24	-

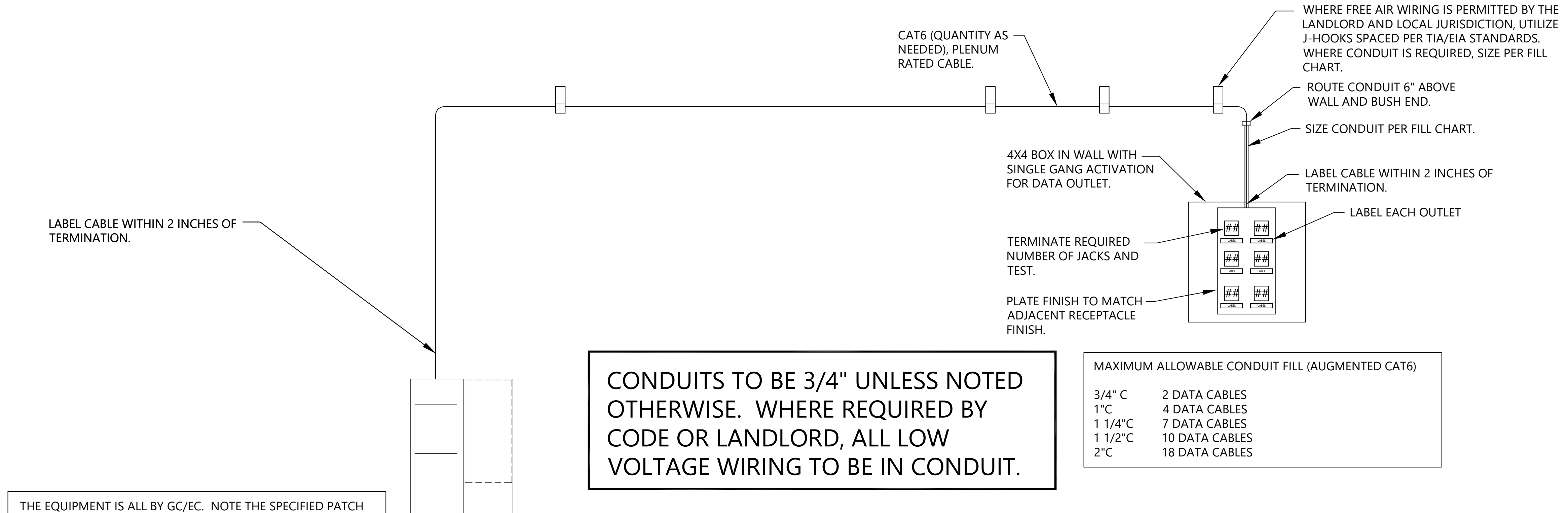
DETAIL NOTES

1. ROUTE POWER IN SURFACE MOUNTED CONDUITS ON PHONE BOARD. ALL POWER WIRING TO BE IN 1 INCH CONDUIT, OR LARGER AS CIRCUITING ARRANGEMENT DEMANDS. NOTE THE CONDUITS, BOXES AND OUTLETS ARE TO BE INSTALLED AFTER THE CABINET BACKPAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT
2. MINIMUM THREE 2-1/2" EMT CONDUITS FROM 15 INCHES BELOW CEILING, ABOVE TOP OF BOARD AS INDICATED FOR IT/TELECOM EQUIPMENT. EXTEND CONDUITS TO 24 INCHES ABOVE CEILING FOR CABLE PATHWAY. PROVIDE 90 DEGREE RADIUS SWEEPS ABOVE CEILING, WITH PLENUM RATED BUSHINGS ON BOTH ENDS OF CONDUITS TO PREVENT CABLE DAMAGE.
3. SURFACE MOUNT QUAD OUTLET WITH DEDICATED 20A CIRCUIT AND DEVICES. PROVIDE 1 INCH CONDUIT FROM ABOVE CEILING TO DEVICE LOCATIONS, LOCATED AT 30 INCH AND 60 INCH FROM TOP OF BACKBOARD, 6 INCHES FROM LEFT SIDE OF BACKBOARD, TO BE USED FOR VOICE/DATA/SECURITY EQUIPMENT. NOTE THE CONDUITS, BOXES AND OUTLETS ARE TO BE INSTALLED AFTER THE CABINET BACKPAN IS INSTALLED TO ALLOW FOR ACCURATE ALIGNMENT
4. RACKS PROVIDED BY ELECTRICAL CONTRACTOR TO BE AS SPECIFIED IN THE RESPONSIBILITY SCHEDULE. REFER TO MANUFACTURER INSTRUCTIONS FOR PROPER MOUNTING OF CABINETS. USE 2 INCH X $\frac{1}{4}$ INCH LAG BOLTS IN PROPER KEYHOLES. MOUNT 60HX24D TALL WALL-MOUNT, FLOOR SUPPORTED CABINET FIRST, 2" FROM EDGE OF BOARD ON OPENING SIDE OF CABINET. MOUNT 24HX24D CABINET ABOVE ALIGNING 1" KNOCKOUT HOLDS FROM TOP TO BOTTOM CABINET FOR POWER PASS THROUGH. REMOVE 3" KNOCKOUTS FOR CABLE PASS THROUGH BEFORE MOUNTING CABINETS. IF WALL BEHIND BOARD IS SOLID CONCRETE OR BRICK, USE SPECIALIZED HARDWARE TO MOUNT CABINET SECURELY THROUGH BOARD TO SURFACE BEHIND.
5. DEMARC AREA FOR TELCO AND BROADBAND PROVIDERS. RESERVED 22 INCHES BY 48 INCHES.
6. 36 INCH LONG X 4 INCH DIAMETER PVC TUBE FOR AS BUILT PLANS (BY GC).
7. PROVIDE 20A DUPLEX RECEPTACLE FOR AUDIO EQUIPMENT. SEPARATE CONTROL CIRCUIT NOT REQUIRED AS MOOD EQUIPMENT COMES STANDARD WITH AN ALARM SHUT MODULE. IT DOES HOWEVER NEED A LINE FROM THE FIRE CONTROL PANEL TO SHUT OFF POWER.
8. MOUNT 4FT X 8FT HIGH, $\frac{3}{4}$" THICK VOID-FREE, FIRE RATED PLYWOOD AT 6 INCHES ABOVE FINISHED FLOOR. IF FIRE RATED PLYWOOD IS NOT AVAILABLE, PAINT WITH 2 COATS OF WHITE, FIRE RATED PAINT AND RETAIN PAINT INFORMATION FOR FIRE INSPECTION.



PHONE BOARD ELEVATION

LC002 NETWORK DIAGRAM



CAT6 (QUANTITY AS NEEDED), PLENUM RATED CABLE.
WHERE FREE AIR WIRING IS PERMITTED BY THE LANDLORD AND LOCAL JURISDICTION, UTILIZE J-HOOKS SPACED PER TIA/EIA STANDARDS. WHERE CONDUIT IS REQUIRED, SIZE PER FILL CHART.
ROUTE CONDUIT 6" ABOVE WALL AND BUSH END.
SIZE CONDUIT PER FILL CHART.
4X4 BOX IN WALL WITH SINGLE GANG ACTIVATION FOR DATA OUTLET.
LABEL CABLE WITHIN 2 INCHES OF TERMINATION.
LABEL EACH OUTLET
TERMINATE REQUIRED NUMBER OF JACKS AND TEST.
PLATE FINISH TO MATCH ADJACENT RECEPTACLE FINISH.
LABEL CABLE WITHIN 2 INCHES OF TERMINATION.
##

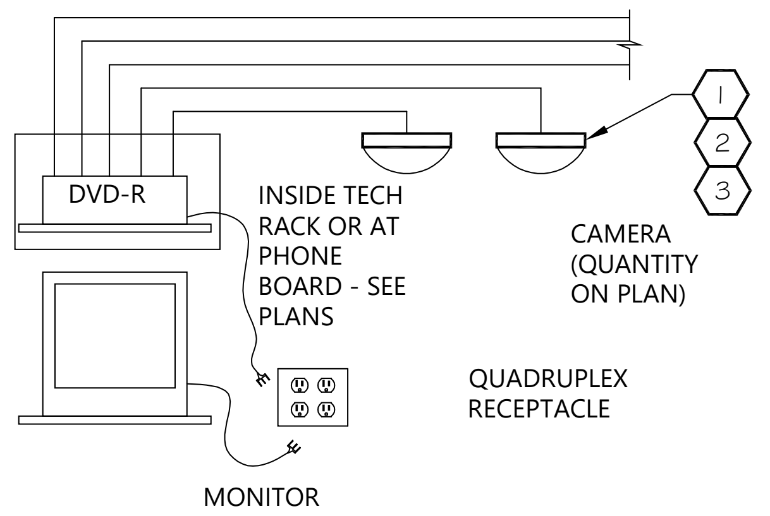
CONDUITS TO BE 3/4" UNLESS NOTED OTHERWISE. WHERE REQUIRED BY CODE OR LANDLORD, ALL LOW VOLTAGE WIRING TO BE IN CONDUIT.

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

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

LC003 COMMUNICATIONS RISER ELECTRICAL INFORMATION

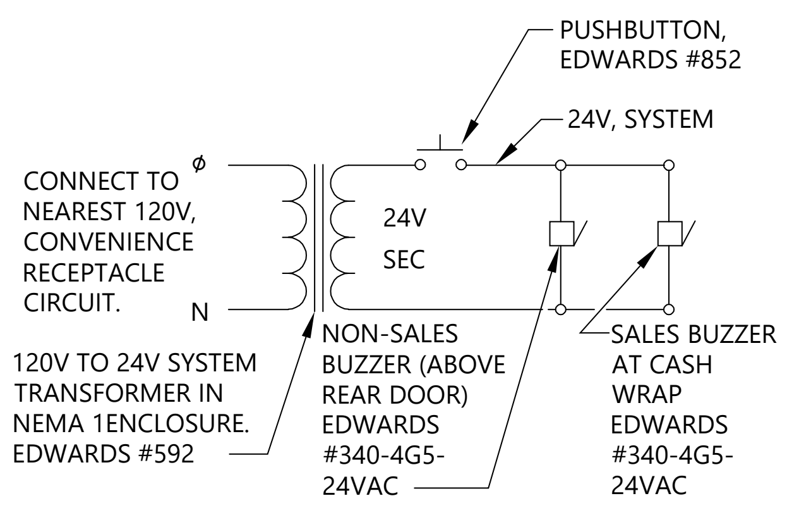


DVD-R
INSIDE TECH RACK OR AT PHONE BOARD - SEE PLANS
CAMERA (QUANTITY ON PLAN)
1
2
3
QUADRUPLEX RECEPTACLE
MONITOR

1. EXTEND CABLE TO PROPOSED HEAD END EQUIPMENT LOCATION. PROVIDE ENOUGH EXCESS CABLE TO REACH ANY WALL IN BACK ROOM. COIL AND MARK CABLE AS CCTV. HEAD END EQUIPMENT LOCATION MUST BE WITHIN 10' OF THE 'NETWORK SWITCH ACCESS'.
2. FOR CAMERAS, PROVIDE WHITE PLENUM RATED CAT 6 CABLING. COIL 15' OF CABLING AT EACH CAMERA LOCATION FOR CONNECTIONS.
3. PROVIDE RJ-45 CONNECTORS AT CAMERA LOCATIONS ONLY. CONNECTORS NOT NEEDED AT THE HEAD END EQUIPMENT LOCATION.

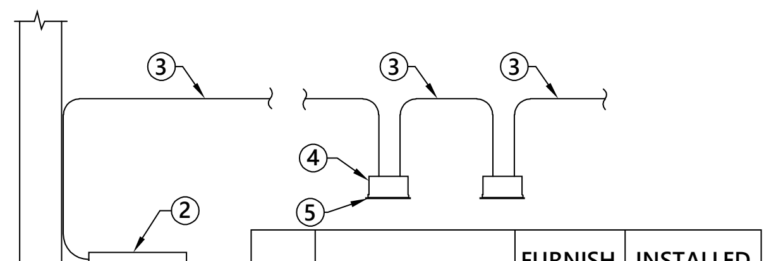
SECURITY CAMERAS SHALL NOT RECEIVE ANY ABOVE CEILING JUNCTION BOX. THE CAMERAS HAVE THEIR OWN RECESS MOUNT KITS. LOCATION OF CAMERAS SHALL BE MARKED CLEARLY IN ORDER FOR SECURITY CAMERA TECHNICIAN TO LOCATE. ALL WIRING TO BE PROVIDED AND INSTALLED PER ELECTRICAL PLANS.

E005 CCTV SYSTEM RISER



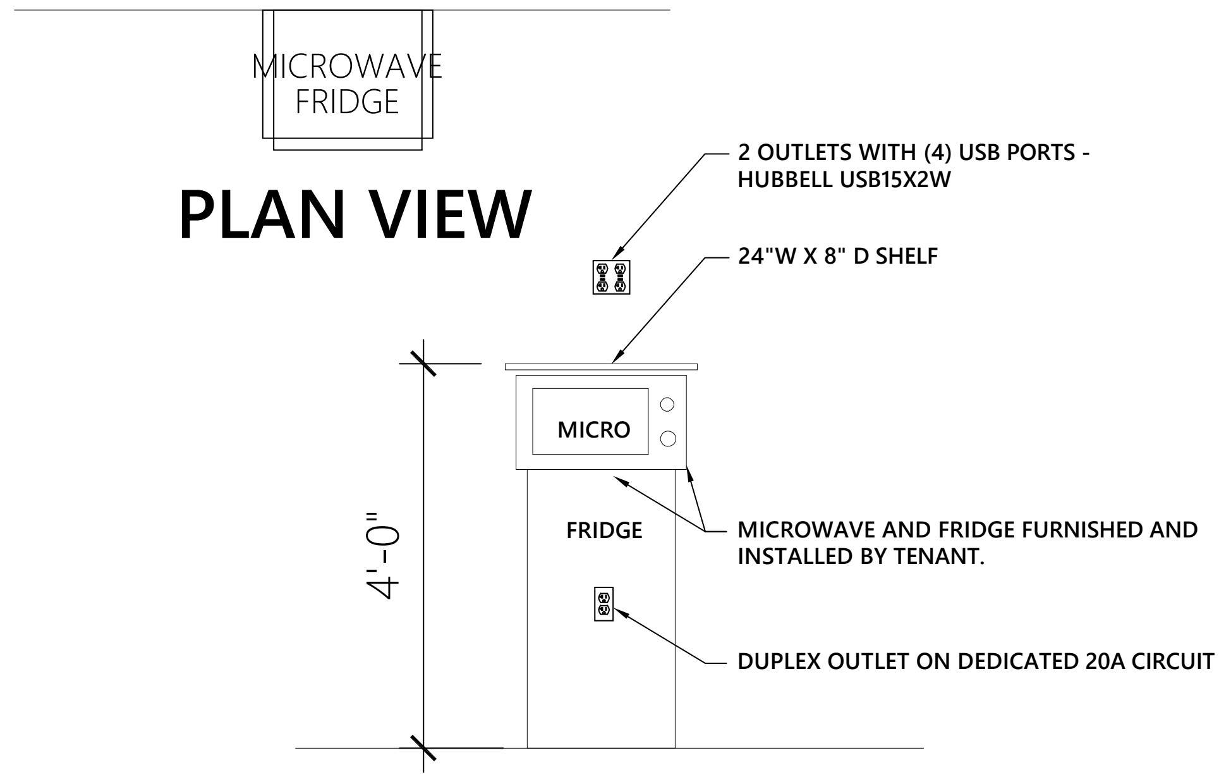
PUSHBUTTON, EDWARDS #852
24V, SYSTEM
CONNECT TO NEAREST 120V, CONVENIENCE RECEPTACLE CIRCUIT.
ϕ
N
24V
SEC
120V TO 24V SYSTEM TRANSFORMER IN NEMA 1ENCLOSURE. EDWARDS #592
NON-SALES BUZZER (ABOVE REAR DOOR) EDWARDS #340-4G5-24VAC
SALES BUZZER AT CASH WRAP EDWARDS #340-4G5-24VAC

E006 DOOR ENTRY BELL SYSTEM RISER



TAG	EQUIPMENT	FURNISH BY:	INSTALLED BY:
①	WALL SHELF	VENDOR	VENDOR
②	AMPLIFIER	VENDOR	VENDOR
③	SPEAKER WIRE	VENDOR	VENDOR
④	SPEAKER	VENDOR	VENDOR
⑤	SPEAKER BAFFLE	VENDOR	VENDOR

E007 SOUND SYSTEM RISER



MICROWAVE FRIDGE
PLAN VIEW
2 OUTLETS WITH (4) USB PORTS - HUBBELL USB15X2W
24"W X 8" D SHELF
MICRO
FRIDGE
4'-0"
MICROWAVE AND FRIDGE FURNISHED AND INSTALLED BY TENANT.
DUPLEX OUTLET ON DEDICATED 20A CIRCUIT
ELEVATION

E010 MICROWAVE, REFRIGERATOR, USB ELEVATION

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

NAME: ADRIAN T FRANKS
DISCIPLINE: ELECTRICAL ENGINEER
LICENSE NUMBER: PE–2012032391

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
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7		
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Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816–997–9601
F 816–997–9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582
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Seal
ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

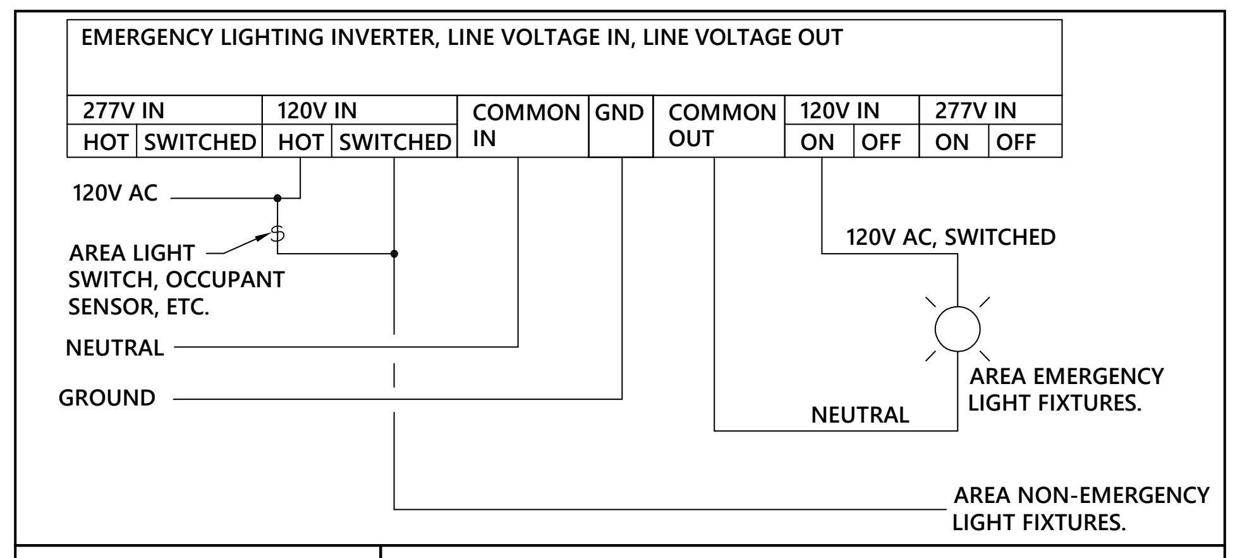
Nextore project Number: 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

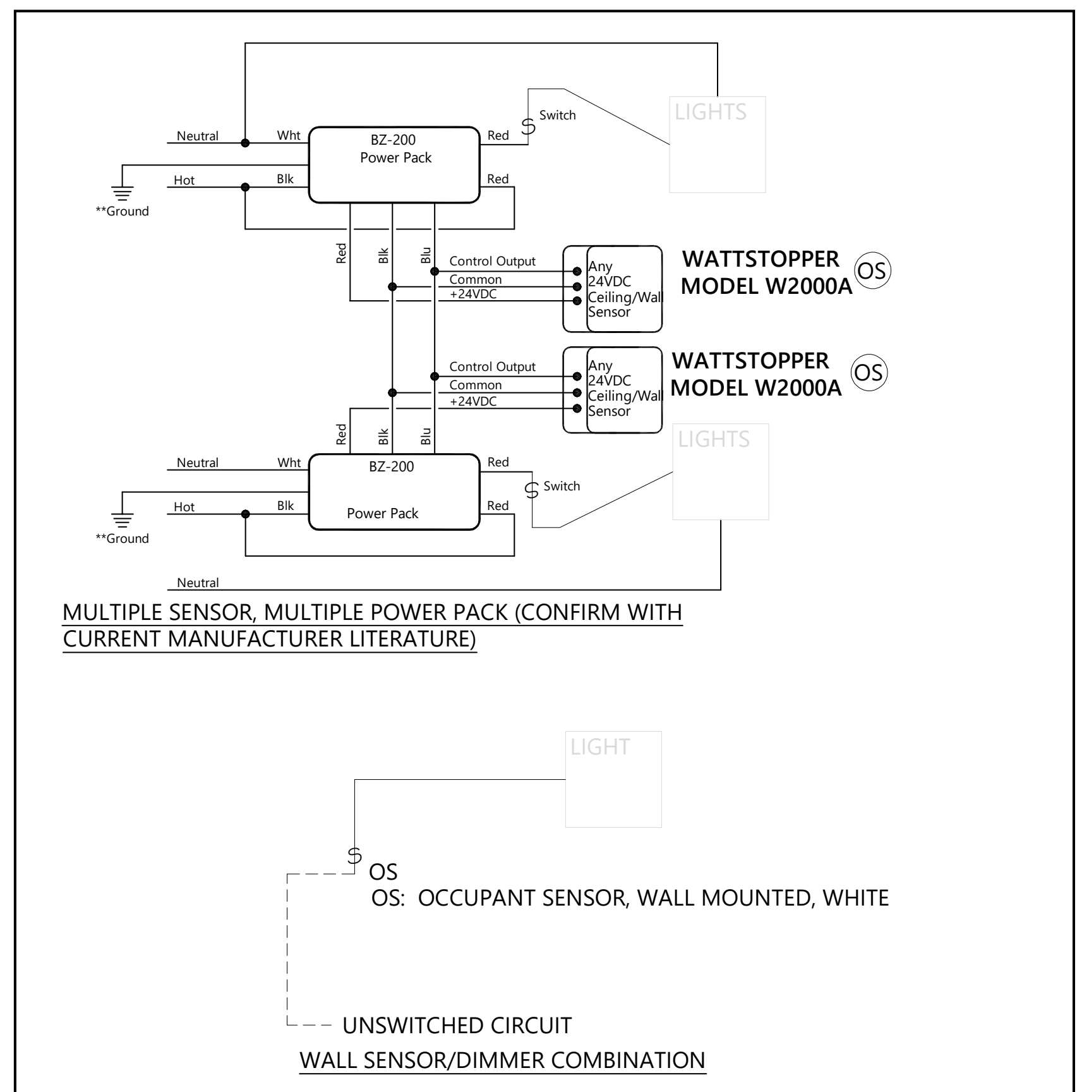
Title: ELECTRICAL GENERAL NOTES & DETAILS

Date: 10/01/21
Drawn By: JKS
Checked By: ATF
Sheet: E002


EMERGENCY LIGHTING INVERTER, LINE VOLTAGE IN, LINE VOLTAGE OUT
277V IN
HOT
SWITCHED
120V IN
HOT
SWITCHED
COMMON IN
GND
COMMON OUT
120V IN
ON
OFF
277V IN
ON
OFF
120V AC
AREA LIGHT SWITCH, OCCUPANT SENSOR, ETC.
NEUTRAL
GROUND
120V AC, SWITCHED
AREA EMERGENCY LIGHT FIXTURES.
NEUTRAL
AREA NON-EMERGENCY LIGHT FIXTURES.

E004 EMERGENCY LIGHTING WIRING SCHEMATIC - WHEN INVERTER IS APPLIED

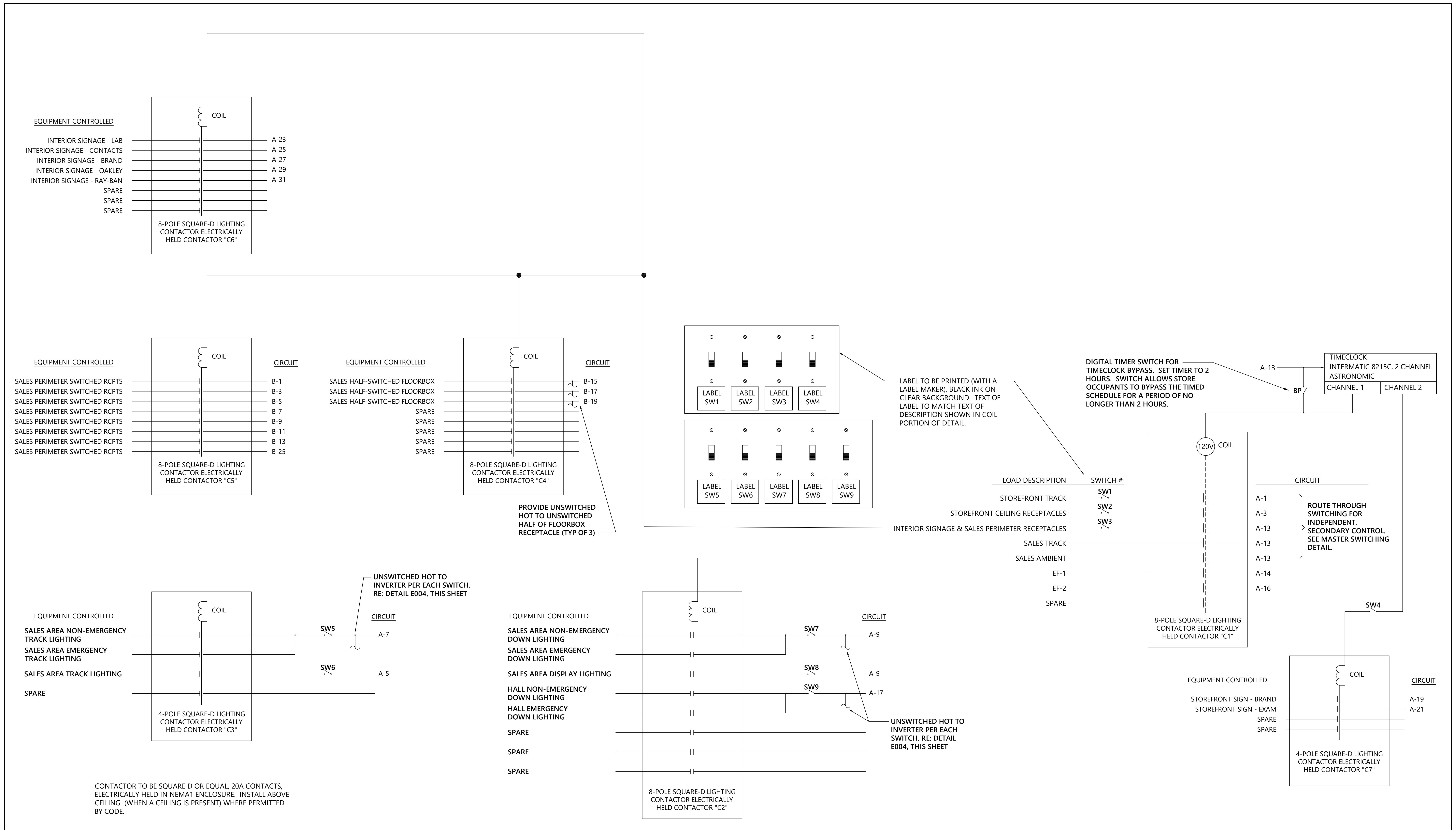
E004


Neutral
Wht
BZ-200
Power Pack
Red
Switch
LIGHTS
Hot
Blk
Red
**Ground
Red
Blk
Blu
Control Output
Common
+24VDC
Any
24VDC
Ceiling/Wal
Sensor
WATTSTOPPER
MODEL W2000A
OS
Control Output
Common
+24VDC
Any
24VDC
Ceiling/Wal
Sensor
WATTSTOPPER
MODEL W2000A
OS
Red
Blk
Blu
Neutral
Wht
BZ-200
Power Pack
Red
Switch
LIGHTS
Hot
Blk
Red
**Ground
Neutral
MULTIPLE SENSOR, MULTIPLE POWER PACK (CONFIRM WITH CURRENT MANUFACTURER LITERATURE)
LIGHT
OS
OS: OCCUPANT SENSOR, WALL MOUNTED, WHITE
UNSWITCHED CIRCUIT
WALL SENSOR/DIMMER COMBINATION

NOTE: ALL WIRING BY THE ELECTRICAL CONTRACTOR.

E002 OCCUPANCY SENSOR SCHEMATICS

E002


EQUIPMENT CONTROLLED
COIL
INTERIOR SIGNAGE - LAB
INTERIOR SIGNAGE - CONTACTS
INTERIOR SIGNAGE - BRAND
INTERIOR SIGNAGE - OAKLEY
INTERIOR SIGNAGE - RAY-BAN
SPARE
SPARE
SPARE
A-23
A-25
A-27
A-29
A-31
8-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C6"
EQUIPMENT CONTROLLED
COIL
CIRCUIT
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
SALES PERIMETER SWITCHED RCPTS
B-1
B-3
B-5
B-7
B-9
B-11
B-13
B-25
8-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C5"
EQUIPMENT CONTROLLED
COIL
CIRCUIT
SALES HALF-SWITCHED FLOORBOX
SALES HALF-SWITCHED FLOORBOX
SALES HALF-SWITCHED FLOORBOX
SPARE
SPARE
SPARE
SPARE
SPARE
B-15
B-17
B-19
8-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C4"
PROVIDE UNSWITCHED HOT TO UNSWITCHED HALF OF FLOORBOX RECEPTACLE (TYP OF 3)
LABEL SW1
LABEL SW2
LABEL SW3
LABEL SW4
LABEL SW5
LABEL SW6
LABEL SW7
LABEL SW8
LABEL SW9
LABEL TO BE PRINTED (WITH A LABEL MAKER), BLACK INK ON CLEAR BACKGROUND. TEXT OF LABEL TO MATCH TEXT OF DESCRIPTION SHOWN IN COIL PORTION OF DETAIL.
DIGITAL TIMER SWITCH FOR TIMECLOCK BYPASS. SET TIMER TO 2 HOURS. SWITCH ALLOWS STORE OCCUPANTS TO BYPASS THE TIMED SCHEDULE FOR A PERIOD OF NO LONGER THAN 2 HOURS.
A-13
BP
TIMECLOCK
INTERMATIC 8215C, 2 CHANNEL ASTRONOMIC
CHANNEL 1
CHANNEL 2
LOAD DESCRIPTION
SWITCH #
120V
COIL
CIRCUIT
STOREFRONT TRACK
SW1
A-1
STOREFRONT CEILING RECEPTACLES
SW2
A-3
INTERIOR SIGNAGE & SALES PERIMETER RECEPTACLES
SW3
A-13
SALES TRACK
A-13
SALES AMBIENT
A-13
EF-1
A-14
EF-2
A-16
SPARE
ROUTE THROUGH SWITCHING FOR INDEPENDENT, SECONDARY CONTROL. SEE MASTER SWITCHING DETAIL.
8-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C1"
SW4
EQUIPMENT CONTROLLED
COIL
CIRCUIT
STOREFRONT SIGN - BRAND
STOREFRONT SIGN - EXAM
SPARE
SPARE
A-19
A-21
4-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C7"
UNSWITCHED HOT TO INVERTER PER EACH SWITCH. RE: DETAIL E004, THIS SHEET
EQUIPMENT CONTROLLED
COIL
CIRCUIT
SALES AREA NON-EMERGENCY TRACK LIGHTING
SW5
A-7
SALES AREA EMERGENCY TRACK LIGHTING
SALES AREA TRACK LIGHTING
SW6
A-5
SPARE
4-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C3"
EQUIPMENT CONTROLLED
COIL
CIRCUIT
SALES AREA NON-EMERGENCY DOWN LIGHTING
SW7
A-9
SALES AREA EMERGENCY DOWN LIGHTING
SALES AREA DISPLAY LIGHTING
SW8
A-9
HALL NON-EMERGENCY DOWN LIGHTING
SW9
A-17
HALL EMERGENCY DOWN LIGHTING
SPARE
SPARE
SPARE
UNSWITCHED HOT TO INVERTER PER EACH SWITCH. RE: DETAIL E004, THIS SHEET
8-POLE SQUARE-D LIGHTING CONTACTOR ELECTRICALLY HELD CONTACTOR "C2"

CONTACTOR TO BE SQUARE D OR EQUAL, 20A CONTACTS, ELECTRICALLY HELD IN NEMA1 ENCLOSURE. INSTALL ABOVE CEILING (WHEN A CEILING IS PRESENT) WHERE PERMITTED BY CODE.

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

E033

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:

ELECTRICAL ENGINEER
DISCIPLINE

PE–2012032391
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA

4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
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1700 NW CHIPMAN RD
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Construction for:

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Revisions:

Mark	Date	By
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7		
8		

Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816–997–9601
F 816–997–9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582
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Seal

ADRIAN T. FRANKS
NUMBER
PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
ELECTRICAL GENERAL NOTES & DETAILS

Date 10/01/21
Drawn By JKS
Checked By ATF

Sheet E003

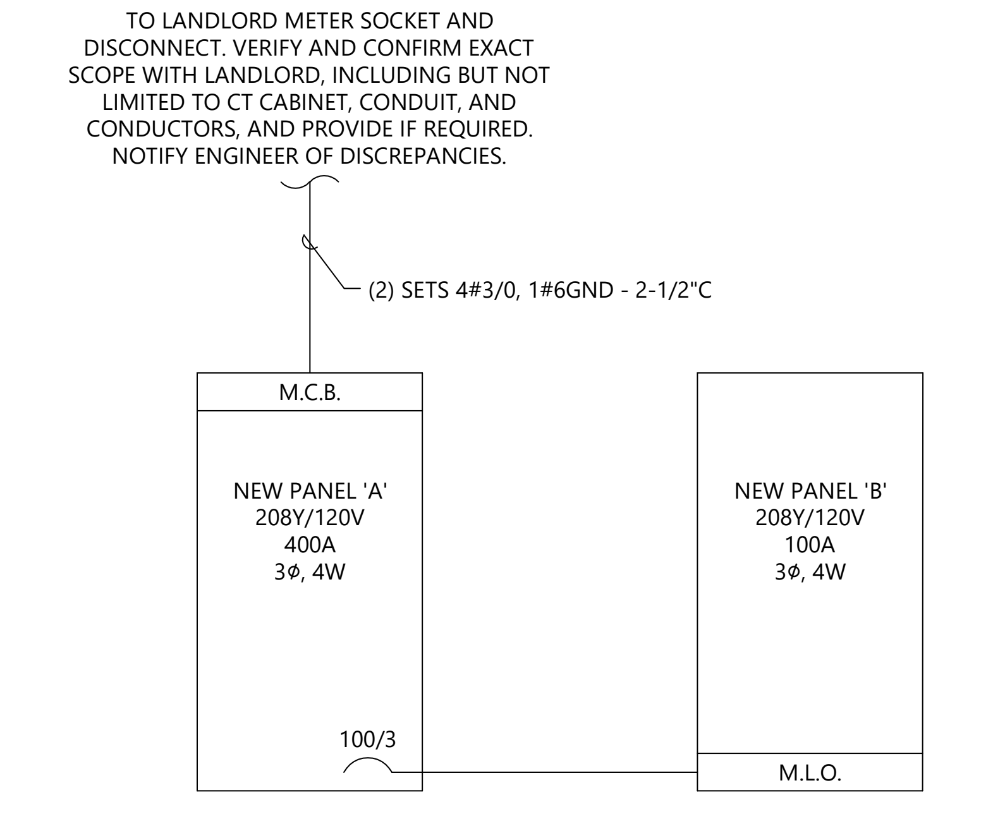
FEEDER SCHEDULE:

EQUIPMENT MARK	RATING	FEEDER				REMARKS
		SETS	CONDUCTORS AND GROUND	PIPE	MATERIAL	
A	400A	2	(4)#3/0 & (1)#6G	2–1/2"	COPPER	–
B	100A	1	(4)#3 & (1)#8G	1–1/4"	COPPER	–

RISER DIAGRAM FEEDER GENERAL NOTES

1. CONDUIT INSTALLED BELOW SLAB SHALL BE RIGID STEEL, IMC, PVC OR HDPE, MINIMUM 3/4". IF PVC OR HDPE IS USED, TRANSITION TO RIGID STEEL BEFORE TURNING UP AND PENETRATING FLOOR SLAB.
2. GROUNDING ELECTRODE SHALL BE ROUTED IN PVC CONDUIT AND CONNECTED TO UNPAINTED STEEL OR A GROUNDED COLD WATER PIPE.

ELECTRIC ONE LINE DIAGRAM


TO LANDLORD METER SOCKET AND DISCONNECT. VERIFY AND CONFIRM EXACT SCOPE WITH LANDLORD, INCLUDING BUT NOT LIMITED TO CT CABINET, CONDUIT, AND CONDUCTORS, AND PROVIDE IF REQUIRED. NOTIFY ENGINEER OF DISCREPANCIES.
(2) SETS 4#3/0, 1#6GND - 2-1/2"C
M.C.B.
NEW PANEL 'A'
208Y/120V
400A
3ø, 4W
100/3
NEW PANEL 'B'
208Y/120V
100A
3ø, 4W
M.L.O.

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.

UTILITY ACCOUNT TRANSFER/SETUP

General Contractor's superintendent shall contact the LUXOTTICA RETAIL STORE MAINTENANCE HOTLINE (513) 765-3500 upon arrival at the job site to schedule the transferal of temporary utilities to the owner. Please provide the following information when calling:

1. Store Address and Space #
2. Temporary utility company(s) name and phone # (i.e., gas, electric, water, and possibly sewer)
3. Meter or Socket # (if used),
4. Expected Punch Date.

Timing for new meter installations or utility account transfers will be executed on or before the Punch Date.

PANEL: A
SYSTEM: 208/120V., 3P,4W
FEEDER: SEE RISER DIAGRAM
OPTIONS:
LOCATION: ELECTRICAL ROOM
MAINS: 400A - MCB
NEMA ENCLOSURE: 1
CABINET MOUNTING: SURFACE
LUGS: TOP
AIC RATING: 22,000

LOAD DESCRIPTION	BKR SIZE	BKR POLE	NOTE	WATTS	CCT NO.	PHASE	CCT NO.	WATTS	NOTE	BKR POLE	BKR SIZE	LOAD DESCRIPTION
STOREFRONT TRACK LTG	20	1	C1	390	1	A	2	8,034	HACR	3	80	RTU-1
SHOW WINDOW RCPTS	20	1	C1	360	3	B	4	8,034				
SALES FLOOR TRACK LTG	20	1	C3	1,128	5	C	6	8,034				
SALES FLOOR TRACK/ EM LTG	20	1	C3/LOC	1,107	7	A	8	3,122	HACR	3	45	RTU-2
SALES GENERAL/ DISPLAY/ EM LTG	20	1	C2/LOC	404	9	B	10	3,122				
CONTACT/ PRETEST/ EXAM/ EM LTG	20	1	LOC	634	11	C	12	3,122				
LIGHTING CONTROLS	20	1	LOC	200	13	A	14	180	C1	1	15	EF-1
LAB/ BOH/ EM LTG	20	1	LOC	692	15	B	16	222	C1	1	15	EF-2
HALL/ EM LTG	20	1	C2/LOC	200	17	C	18	540		1	20	ROOF CONVENIENCE RCPTS
STOREFRONT SIGN - BRAND	20	1	C7	1,200	19	A	20	900		1	20	RESTROOM/ HALL RCPTS
STOREFRONT SIGN - EXAMS	20	1	C7	1,200	21	B	22	3,000		2	40	WATER HEATER (WH)
INTERIOR SIGNAGE - LAB	20	1	C6	600	23	C	24	3,000				
INTERIOR SIGNAGE - CONTACTS	20	1	C6	600	25	A	26	92	G	1	20	RECIRC PUMP (RP)
INTERIOR SIGN - BRAND	20	1	C6	600	27	B	28	540		1	20	EWC2
INTERIOR SIGN - OAKLEY	20	1	C6	600	29	C	30	360		1	20	OD RECEPTION DESK
INTERIOR SIGN - RAY-BAN	20	1	C6	600	31	A	32	360		1	20	OD RECEPTION DESK
SPARE	20	1			33	B	34	360		1	20	OD RECEPTION DESK
SPARE	20	1			35	C	36	540		1	20	CONTACT LENS RCPTS
SPACE	20	1			37	A	38	720		1	20	CONTACT LENS RCPTS
SPACE	20	1			39	B	40	720		1	20	ALCOVE RCPTS
ELECTRICAL ROOM RCPTS	20	1		360	41	C	42			1	20	SPARE
IT RACK RCPTS	20	1		600	43	A	44	540		1	20	PRETEST #1 RCPTS
IT RACK RCPTS	20	1		600	45	B	46	720		1	20	PRETEST #1 RCPTS
IT RACK RCPTS	20	1		600	47	C	48	540		1	20	EXAM #1 RCPTS
LAB ULTRA SONIC CLEANER (EQ24)	20	1	G	180	49	A	50	360		1	20	EXAM #1 RCPTS
LAB EYE NET STATION (EQ21)	20	1	G	240	51	B	52	680		1	20	EXAM #1 RCPTS
LAB FRAME WARMER (EQ22A)	20	1	G	1,200	53	C	54	540		1	20	FUTURE EXAM RCPTS
LAB DIAMOND EDGE (EQ11A)	20	1	G	1,200	55	A	56	360		1	20	FUTURE EXAM RCPTS
LAB LENSOMETER (EQ6A)	20	1	G	180	57	B	58	680		1	20	FUTURE EXAM RCPTS
LAB FRAME TRACER (EQ45D)	20	1		500	59	C	60	360		1	20	OFFICE RCPTS
LAB LENS EDGER (EQ47E)	20	1		1,200	61	A	62	360		1	20	OFFICE RCPTS
URGENT CARE LAB MONITOR	20	1		500	63	B	64	1,200		1	20	BOH MICROWAVE
URGENT CARE LAB RCPTS	20	1		720	65	C	66	900		1	20	BOH FRIDGE
SPARE		1			67	A	68	360		1	20	BOH CONVENIENCE RCPTS
SPARE		1			69	B	70	500		1	20	SALES LEFT CASH DESK
SPARE		1			71	C	72	500		1	20	SALES LEFT CASH DESK
SPARE		1			73	A	74	500		1	20	SALES RIGHT CASH DESK
SPARE		1			75	B	76			1	20	SPARE
SPARE		1			77	C	78			1	20	SPARE
FULLY BUSSED SPACE					79	A	80	8,940		3	100	PANEL B
					81	B	82	8,980				
					83	C	84	8,620				

PHASE A : 32,105 W
PHASE B : 33,534 W
PHASE C : 33,598 W

CONNECTED	DEMAND
99,237 W 275 A	97,556 W 271 A

Y:_Projects\Active\2021\01202120.01\01202120.01.Calcs and Support\2120.01 MEP C

PANEL: B
SYSTEM: 208/120V., 3P,4W
FEEDER: SEE RISER DIAGRAM
OPTIONS:
LOCATION: ELECTRICAL ROOM
MAINS: 100A - MLO
NEMA ENCLOSURE: 1
CABINET MOUNTING: SURFACE
LUGS: BOTTOM
AIC RATING: 22,000

LOAD DESCRIPTION	BKR SIZE	BKR POLE	NOTE	WATTS	CCT NO.	PHASE	CCT NO.	WATTS	NOTE	BKR POLE	BKR SIZE	LOAD DESCRIPTION
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,260	1	A	2	1,200		1	20	NORTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,440	3	B	4	1,200		1	20	NORTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,080	5	C	6	1,200		1	20	NORTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,260	7	A	8	1,200		1	20	SOUTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,440	9	B	10	1,200		1	20	SOUTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,440	11	C	12	1,200		1	20	SOUTH LED WALL RCPTS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,080	13	A	14	1,000		1	20	SALES NORTH DIGITAL FIXTURE
SALES HALF-SWITCHED FLOORBOX	20	1	C4	500	15	B	16	1,000		1	20	SALES NORTH DIGITAL FIXTURE
SALES HALF-SWITCHED FLOORBOX	20	1	C4	500	17	C	18	1,000		1	20	SALES SOUTH DIGITAL FIXTURE
SALES HALF-SWITCHED FLOORBOX	20	1	C4	500	19	A	20			1	20	SPARE
SALES FLOORBOX	20	1		500	21	B	22	600		1	20	CASH DESK TV MONITORS
SALES FLOORBOX	20	1		500	23	C	24	600		1	20	CASH DESK TV MONITORS
SALES PERIM. SWITCHED RCPTS	20	1	C5	1,440	25	A	26			1	20	SPARE
SALES FLOORBOX	20	1		500	27	B	28	600		1	20	OD RECEPTION TV MONITORS
SALES FLOORBOX	20	1		500	29	C	30	600		1	20	OD RECEPTION TV MONITORS
SPARE	20	1			31	A	32			1	20	SPARE
SPARE	20	1			33	B	34			1	20	SPARE
SPARE	20	1			35	C	36			1	20	SPARE
FULLY BUSSED SPACE					37	A	38					FULLY BUSSED SPACE
					39	B	40					
					41	C	42					

PHASE A : 8,940 W
PHASE B : 8,980 W
PHASE C : 8,620 W

CONNECTED	DEMAND
26,540 W 74 A	24,570 W 68 A

Y:_Projects\Active\2021\01202120.01\01202120.01.Calcs and Support\2120.01 MEP C

PANEL SCHEDULE NOTES

General Notes:	
	BALANCE PANELS WITHIN 10% PHASE TO PHASE.
Circuit Key Notes:	
LOC	HANDLE LOCK "OFF/ON" CLAMP DEVICE
HACR	HEATING, AIR CONDITION AND REFRIGERATION RATED BREAKER
G	GROUND FAULT CIRCUIT INTERUPTING BREAKER
C#	ROUTE CIRCUIT THROUGH CONTACTOR INDICATED.

ELECTRICAL SERVICE LOAD SUMMARY

LOAD DESCRIPTION	CONNECTED WATTAGE	DEMAND FACTOR		DEMAND WATTAGE
LIGHTING	1,930	125%		2,412
TRACK LIGHTING ****	2,235	60 A	120 V	7,200
SHOW WINDOW LIGHTING	390	200 W/FT	14 FT	2,800
RECEPTACLES	26,880	1ST 10KW @ 100%		10,000
		REMAINING @ 50%		8,440
KITCHEN EQUIPMENT	0	*** UP TO 65%	0 PC	0
CONTINUOUS MOTORS	7,231	125%		9,039
NON-COUNTINUOUS MOTORS	0	100%		0
AIR CONDITIONING *	26,732	100% FULL A/C LOAD		26,732
HEATING *	0	0% FULL HEATING LOAD		0
HEAT PUMP(S)	0	100%		0
ELEVATORS **	0	0%	0	0
UPS (COMPUTER LOAD)	0	100%		0
WATER HEATER	0	100%		0
CONTINUOUS WATER HEATER	6,000	125%		7,500
MISCELLANEOUS	27,840	100%		27,840
		TOTAL WATTS		101,963
		TOTAL AMPERAGE		283

NOTES:
* USE GREATER LOAD OF THE TWO CATEGORIES
** NUMBER OF ELEVATORS: 1=100%,2=95%,3=90%,4=85%,5=82%,6=79%,7=77%,8=75%,9=73%,10 OR MORE =72%
*** PIECES OF EQUIPMENT: 1-2 = 100%, 3 = 90%, 4 = 80%, 5 = 70%, 6 AND MORE = 65%
**** SUM OF VA RATINGS OF TRACK CURRENT LIMITING DEVICES

REQUIRED ELECTRICAL SERVICE: **400 AMPS**

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

NAME: ADRIAN T FRANKS
DISCIPLINE: ELECTRICAL ENGINEER
LICENSE NUMBER: PE–2012032391

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 | +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 | +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816–997–9601
F 816–997–9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582

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Seal
ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
REV 06

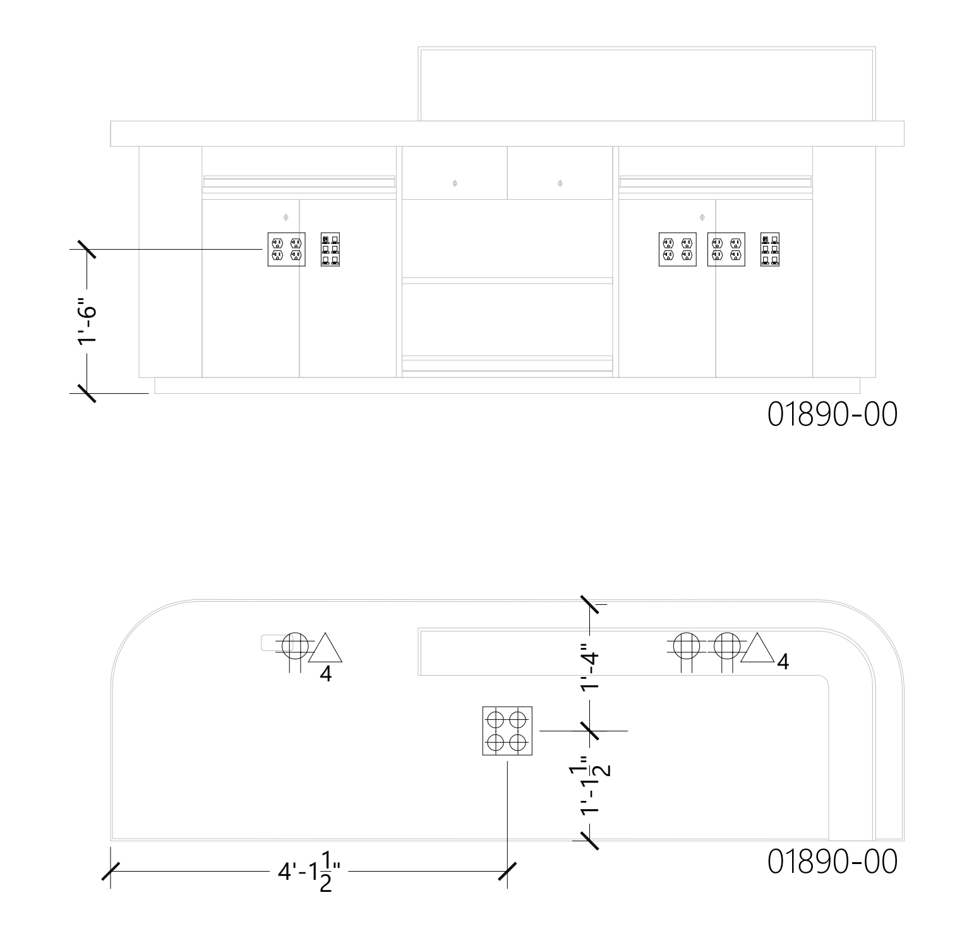
Nextore project Number: 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

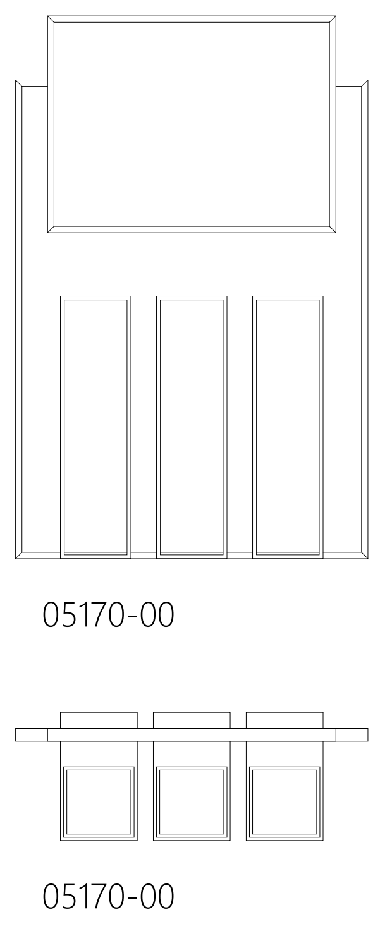
Title: ELECTRICAL GENERAL NOTES & DETAILS

Date: 10/01/21
Drawn By: JKS
Checked By: ATF
Sheet: E004

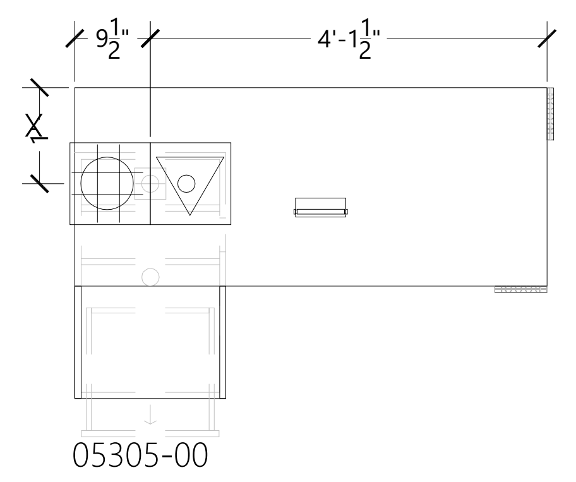

1'-6"
01890-00
4
4
1'-4"
1'-1½"
4'-1½"
01890-00

LC-01890 OD RECEPTION / CASH DESK 06/10/2021

NO Electrical Requirements


05170-00
05170-00

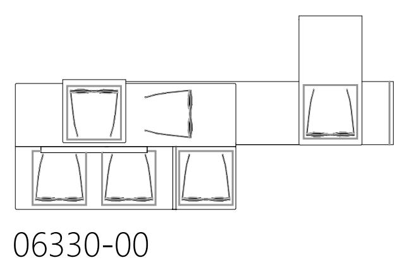
05170 STORE WINDOW TOTEM 02/24/2020


9½"
4'-1½"
05305-00

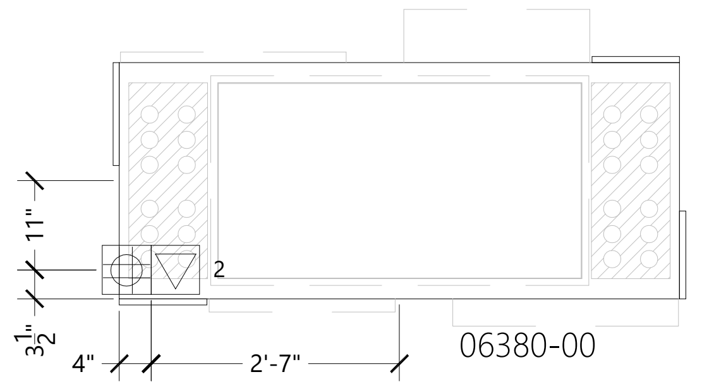
02/24/2020

LC-05305-00 SELECT TABLE SINGLE

NO Electrical Requirements

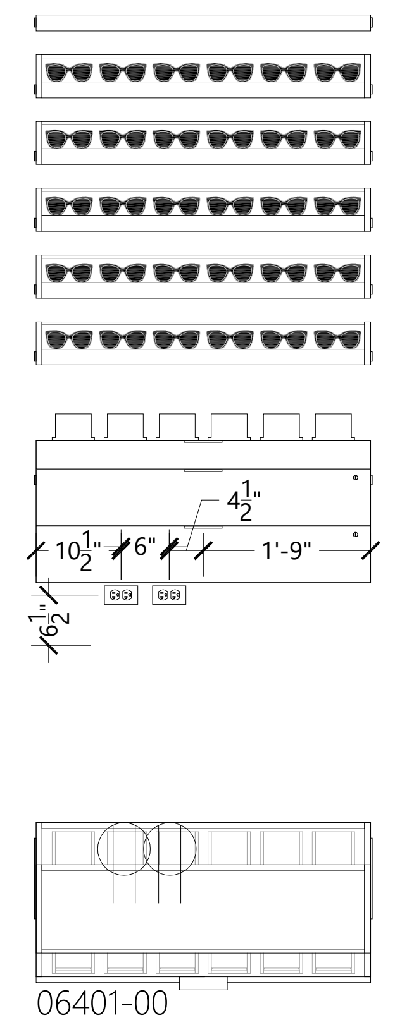


LC-06330-00 TRANSFORMER 10/29/2020

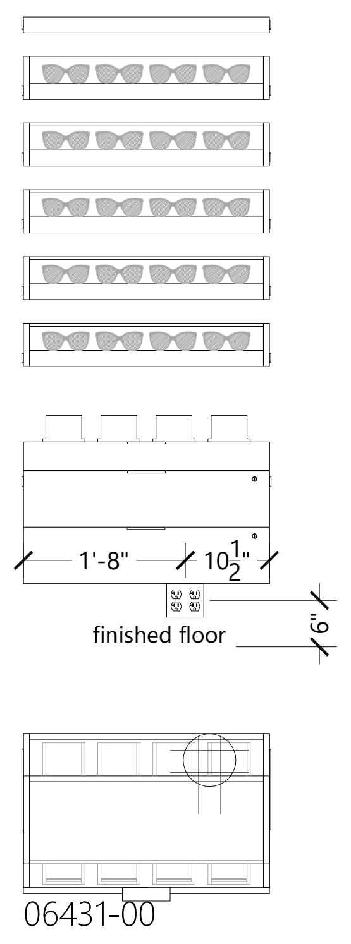

11"
3½"
4"
2'-7"
2
06380-00

LC-06380-00 LENS TABLE 11/13/2020

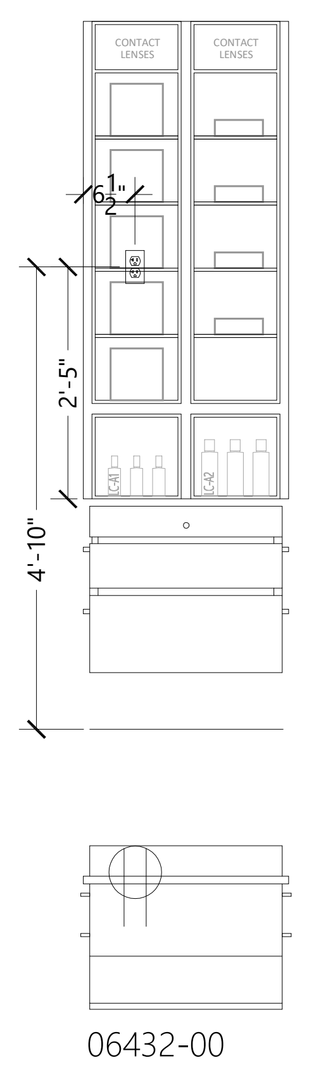
WALL UNIT _ LC-06401-00


4½"
10½"
6"
1'-9"
6½"
06401-00

WALL UNIT _ LC-06401-00 10/29/2020

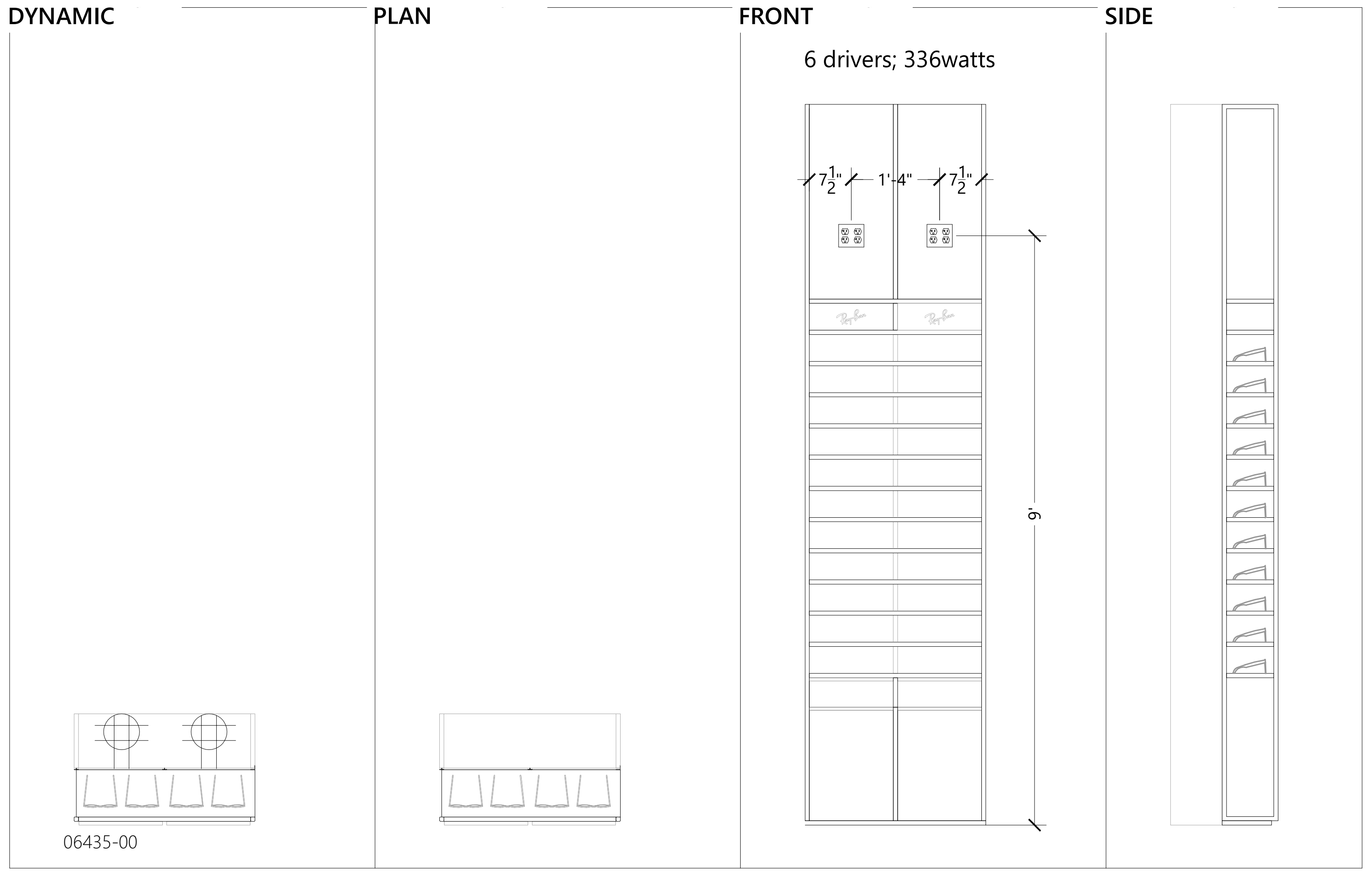

1'-8"
10½"
finished floor
6"
06431-00

WALL UNIT SMALL _ LC-06431-00 10/29/2020


6½"
2'-5"
4'-10"
06432-00

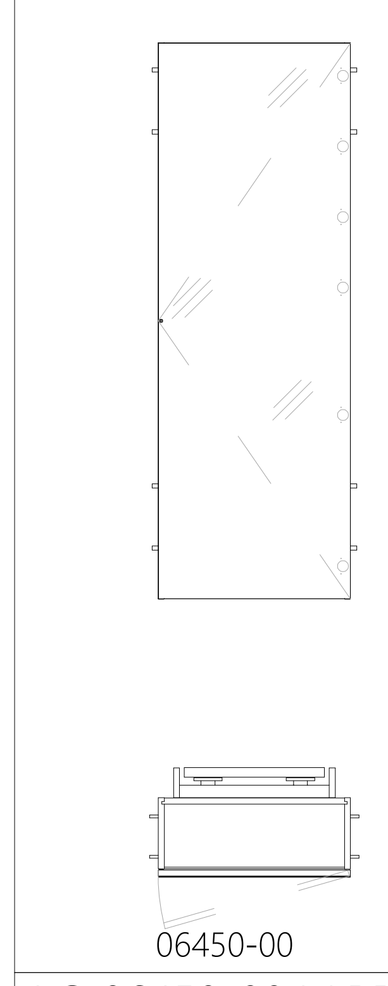
LC-06432-02 WALL UNIT 24 LAC 01/03/2021

SGH-06435-00_WALL UNIT 32" RB END RIGHT


DYNAMIC
PLAN
FRONT
SIDE
6 drivers; 336watts
7½"
1'-4"
7½"
9'
06435-00

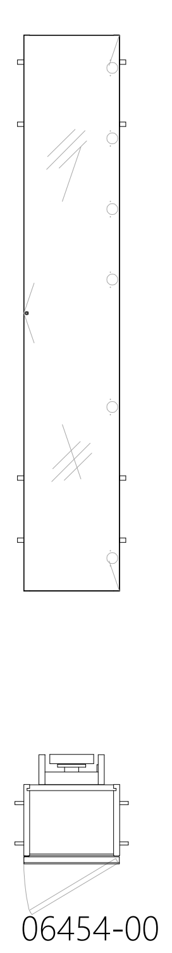
CAPACITY:
44 facings

NO Electrical Requirements

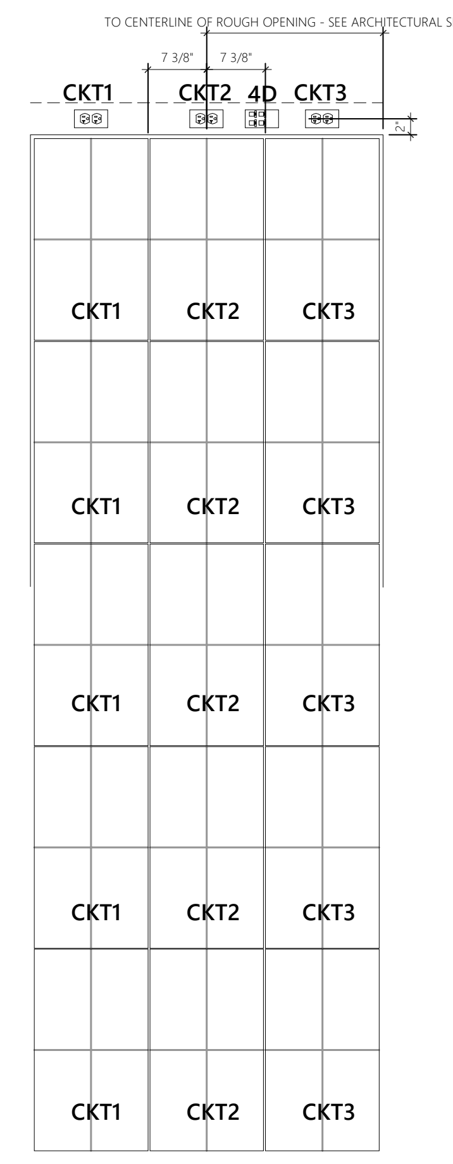


LC-06450-00 MIRROR 24 10/29/2020

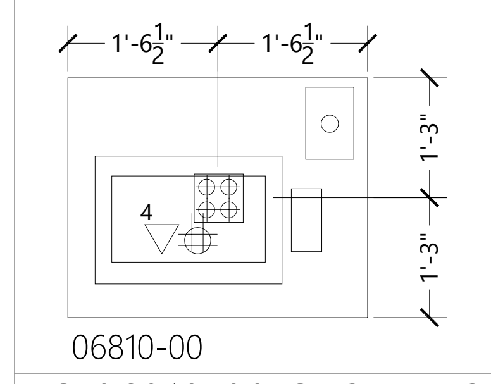
NO Electrical Requirements



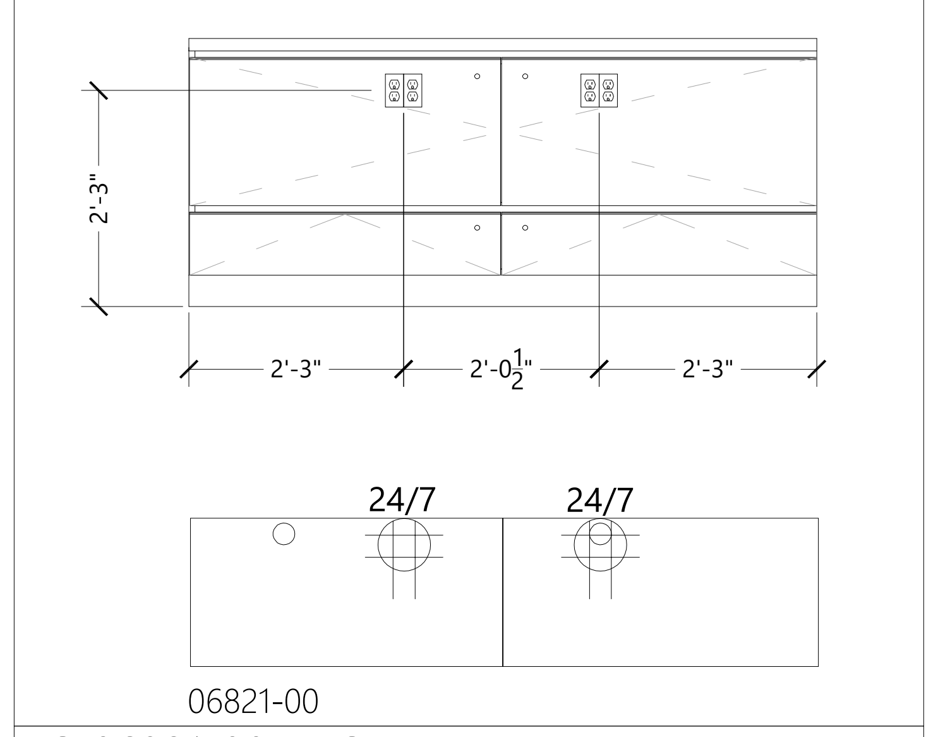
LC-06454-00 MIRROR CABINET 12 10/29/2020


TO CENTERLINE OF ROUGH OPENING - SEE ARCHITECTURAL SHEETS
7 3/8"
7 3/8"
CKT1
CKT2
4D
CKT3
2"
CKT1
CKT2
CKT3
CKT1
CKT2
CKT3
CKT1
CKT2
CKT3
CKT1
CKT2
CKT3
CKT1
CKT2
CKT3

3W x 5H LED WALL

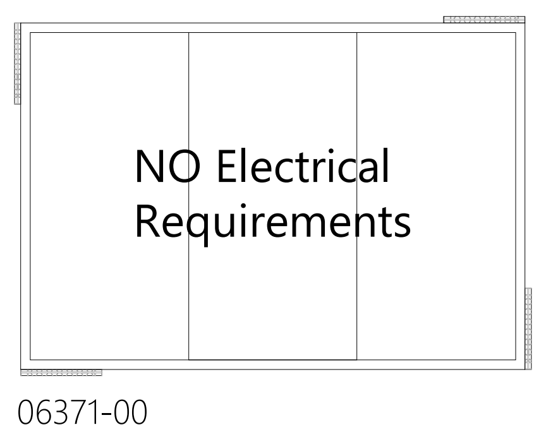

1'-6½"
1'-6½"
1'-3"
1'-3"
4
06810-00

LC-06810-00 CASH DESK COMPACT 12/26/2020

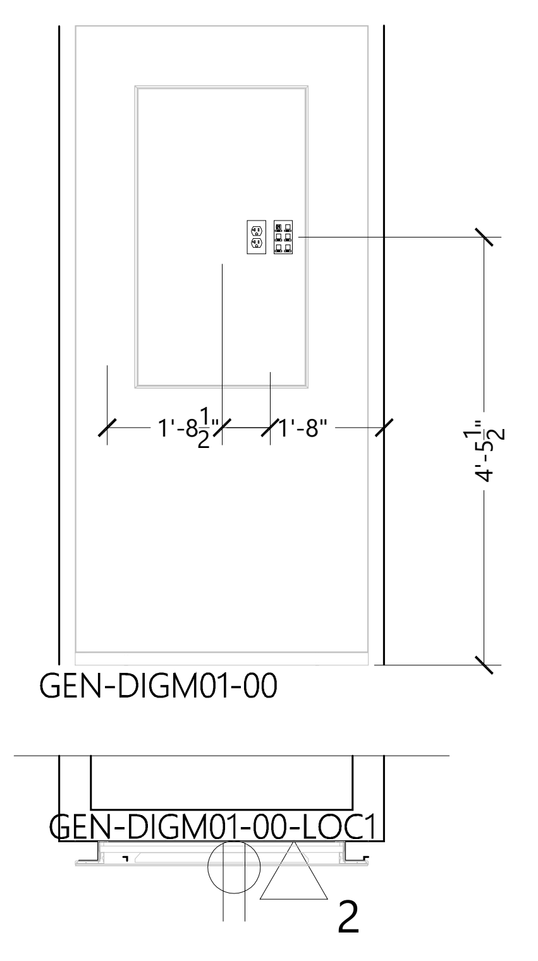

2'-3"
2'-3"
2'-0½"
2'-3"
24/7
24/7
06821-00

LC-06821-00 BACKWRAP 10/29/2020

NO Electrical Requirements

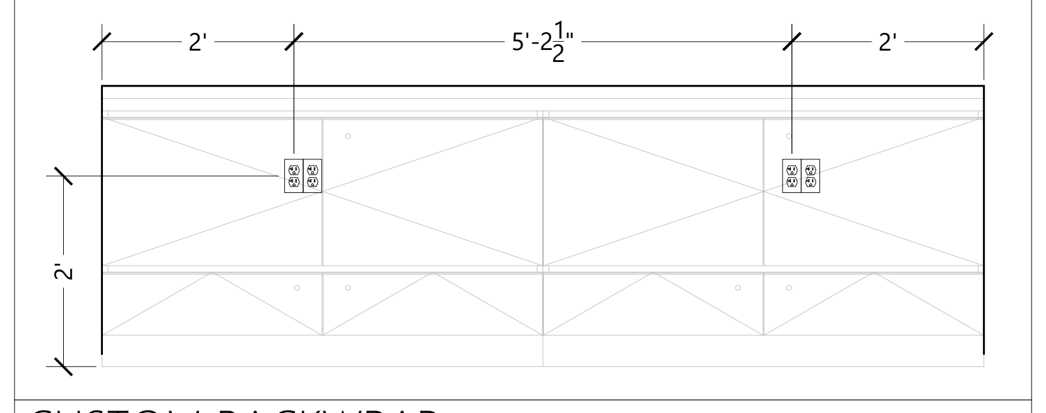


LC-06371-00 PROMO TABLE CON TECA ESPOSITIVA 10/29/2020


1'-8½"
1'-8"
4'-5½"
GEN-DIGM01-00
GEN-DIGM01-00-LOC1
2

02/28/2020

GEN-DIGM01-00 MIRROR SMART SHOPPER w/MONITOR 46" TOUCH



CUSTOM BACKWRAP 02/24/2020

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NAME: ADRIAN T FRANKS
DISCIPLINE: ELECTRICAL ENGINEER
LICENSE NUMBER: PE-2012032391

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582
T 816-997-9601
F 816-997-9602
DialecticEng.com

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Seal
ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number: 84169

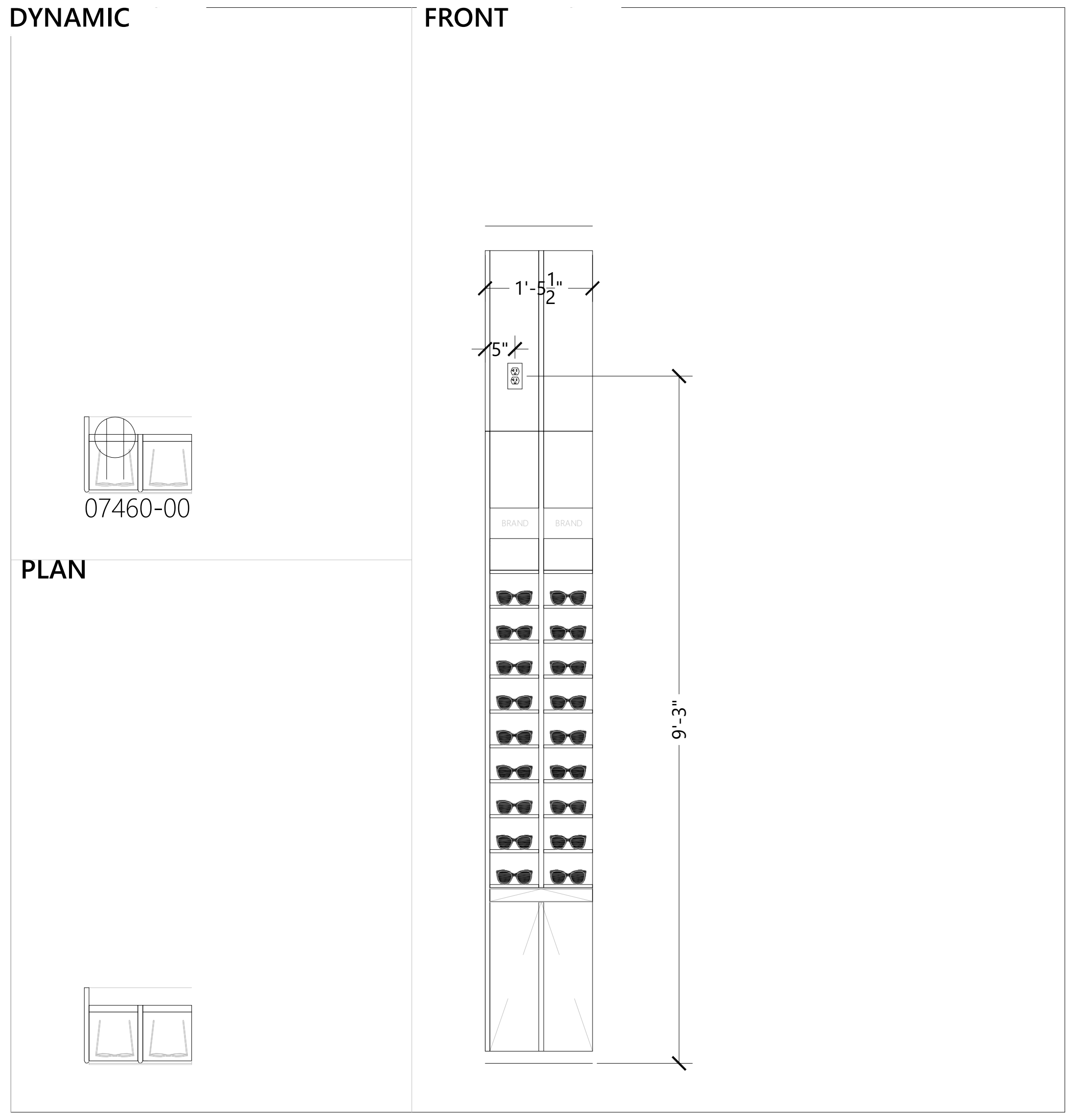
Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

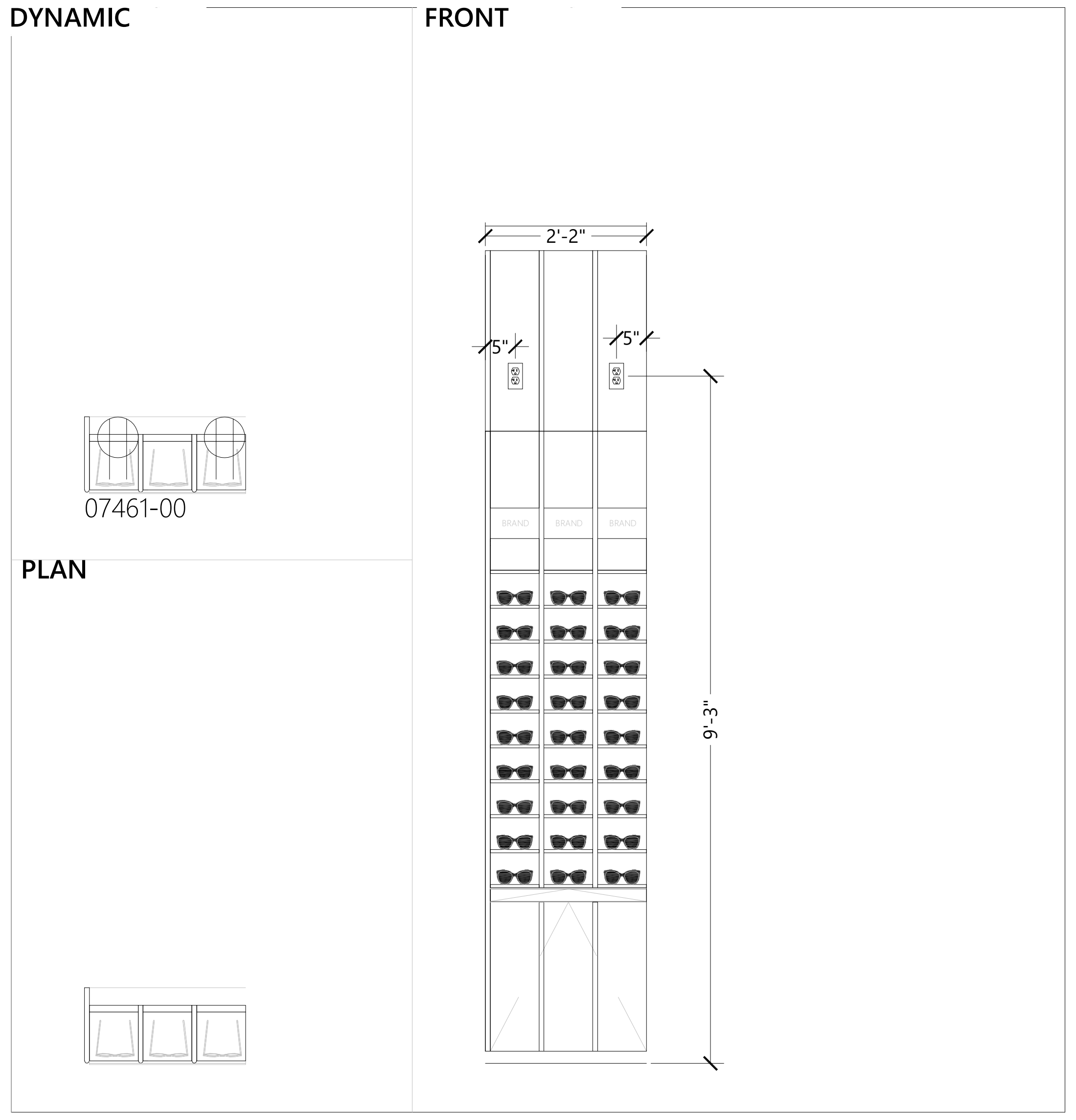
Title
ELECTRICAL
GENERAL NOTES
& DETAILS

Date: 10/01/21
Drawn By: JKS
Checked By: ATF
Sheet: E005a

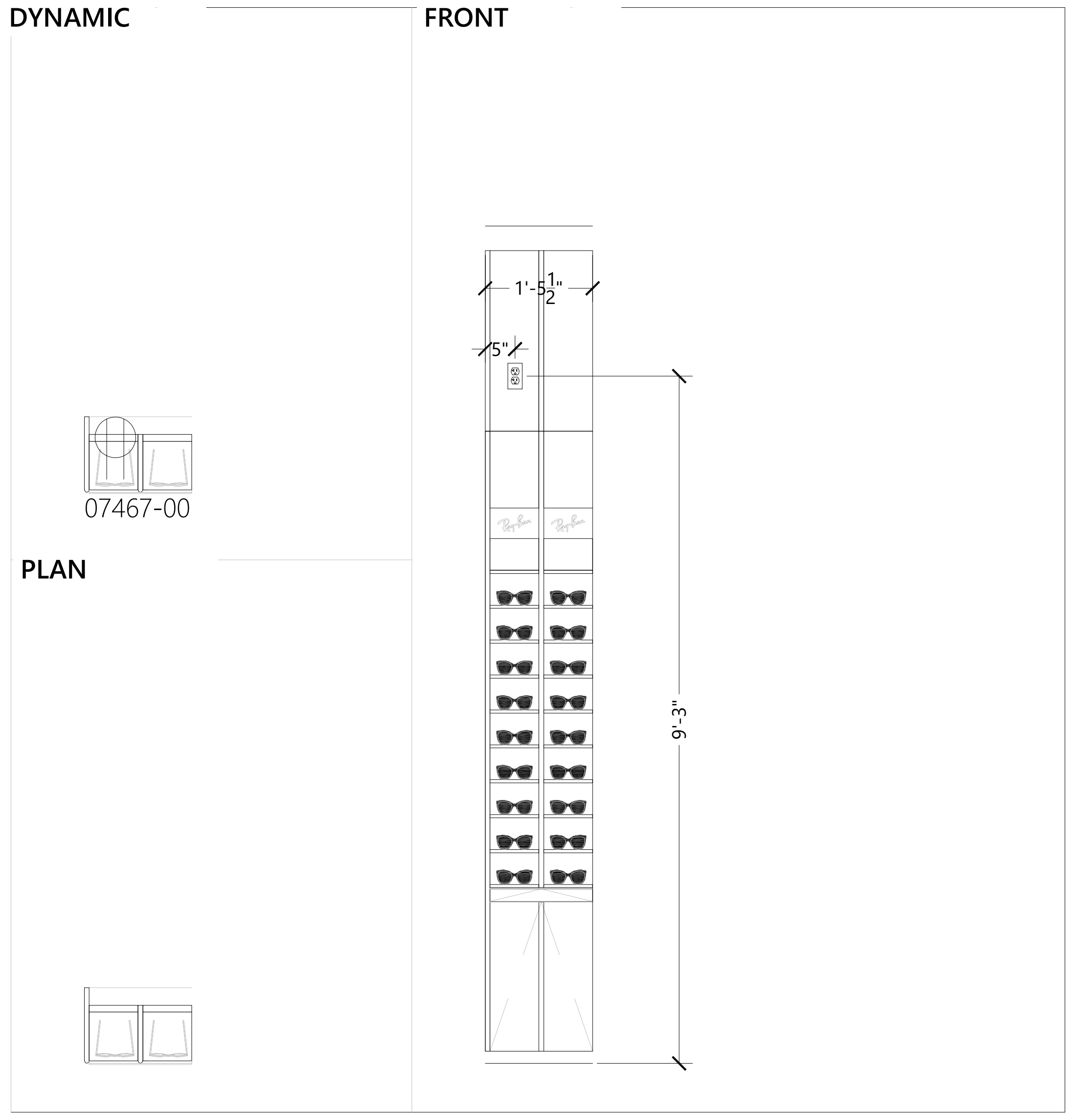
LC-07460-00_LUXURY WALL X2


DYNAMIC
FRONT
PLAN
07460-00
1'-5½"
5"
9'-3"

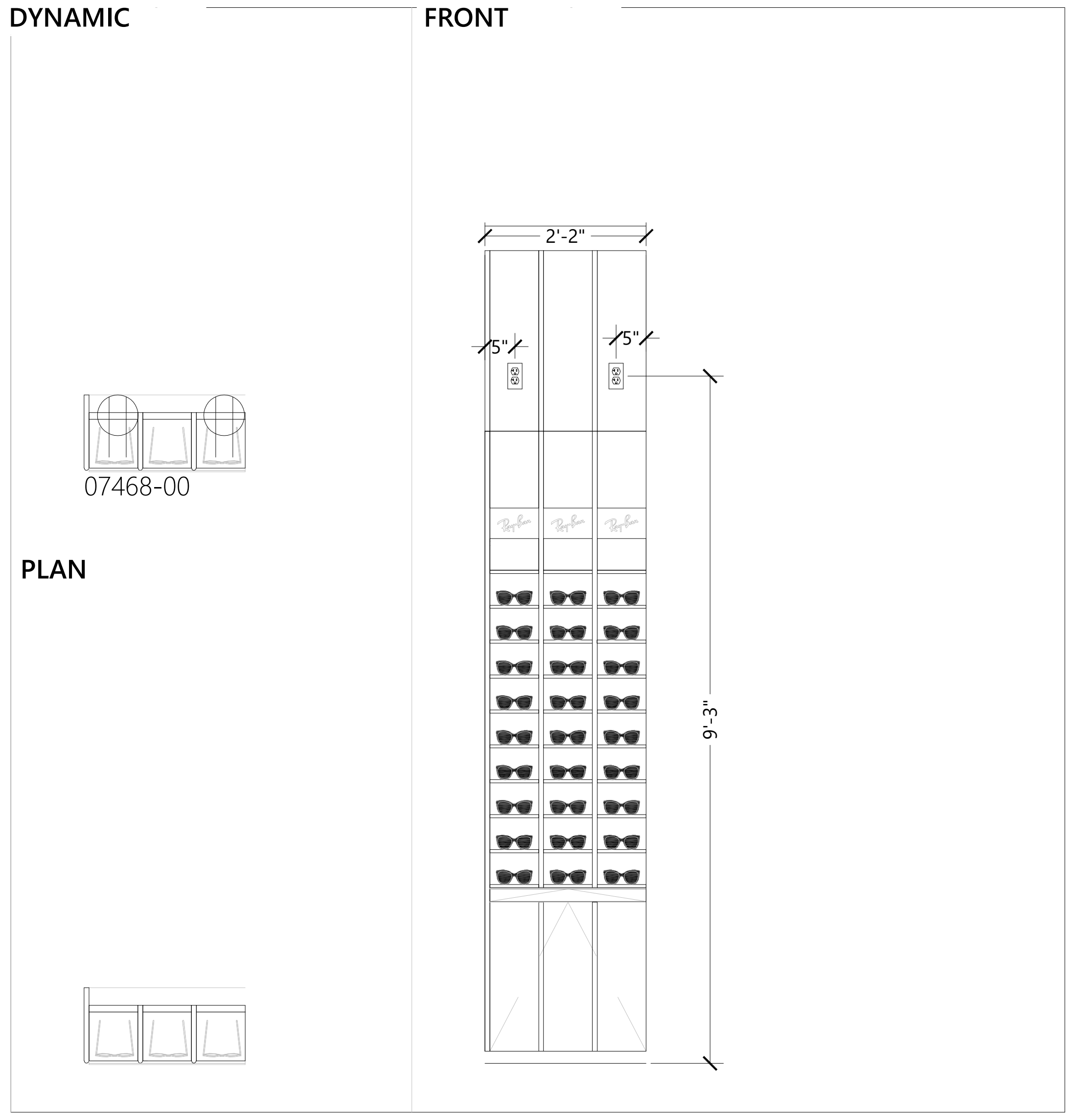
LC-07461-00_LUXURY WALL X3


DYNAMIC
FRONT
PLAN
07461-00
2'-2"
5"
5"
9'-3"

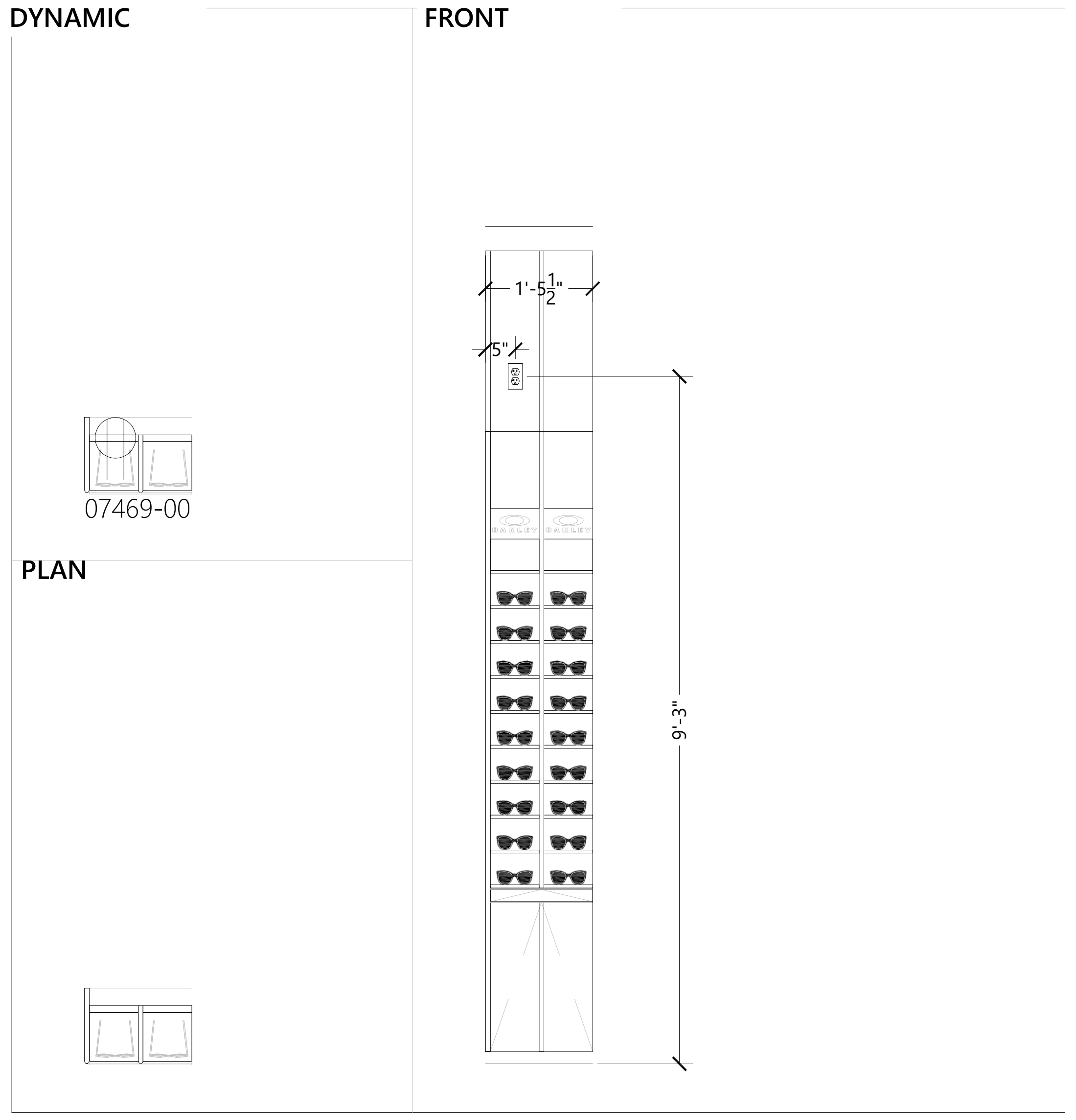
LC-07467-00_LUXURY WALL X2 RB


DYNAMIC
FRONT
PLAN
07467-00
1'-5½"
5"
9'-3"

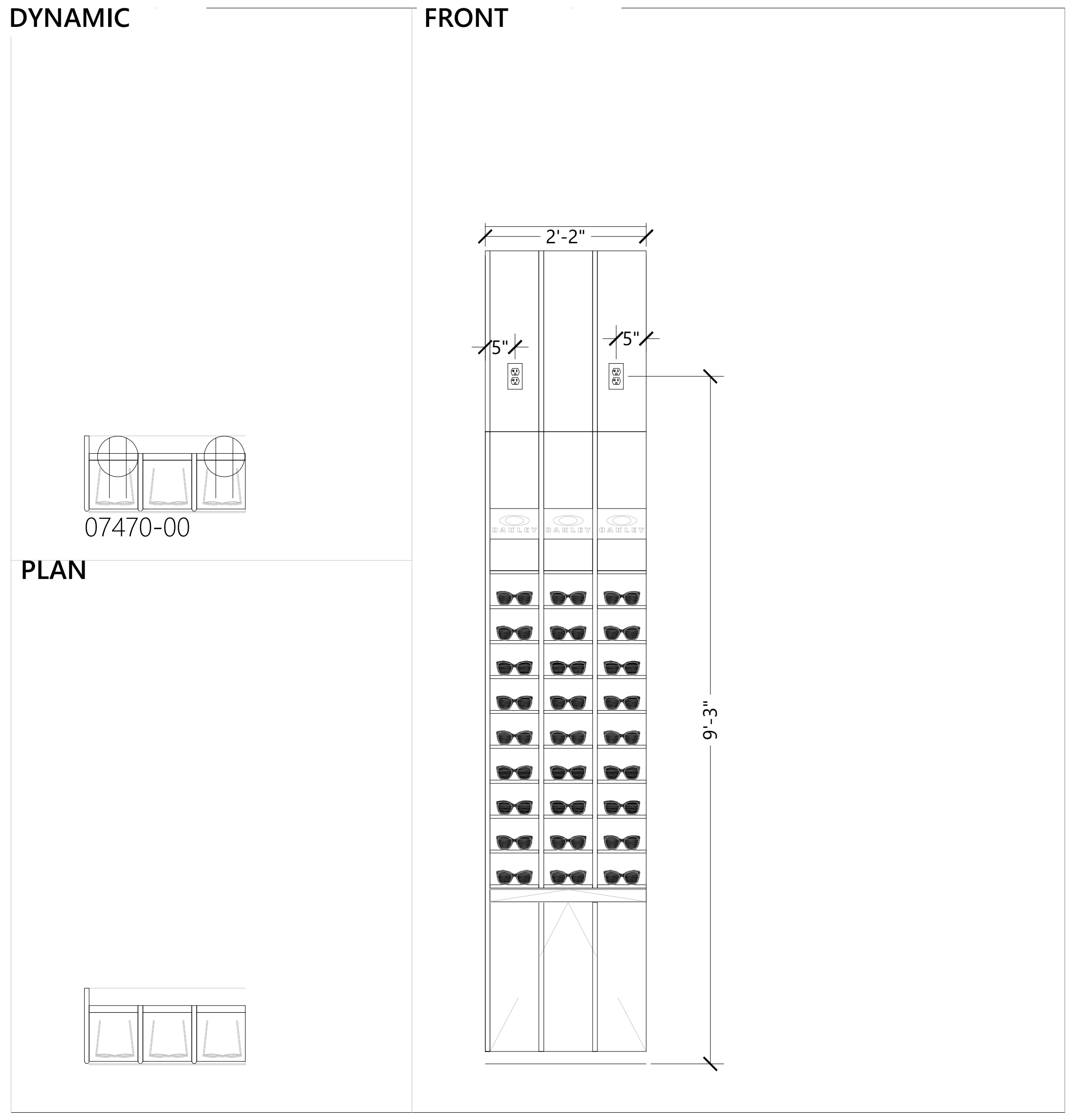
LC-07468-00_LUXURY WALL X3 RB


DYNAMIC
FRONT
PLAN
07468-00
2'-2"
5"
5"
9'-3"

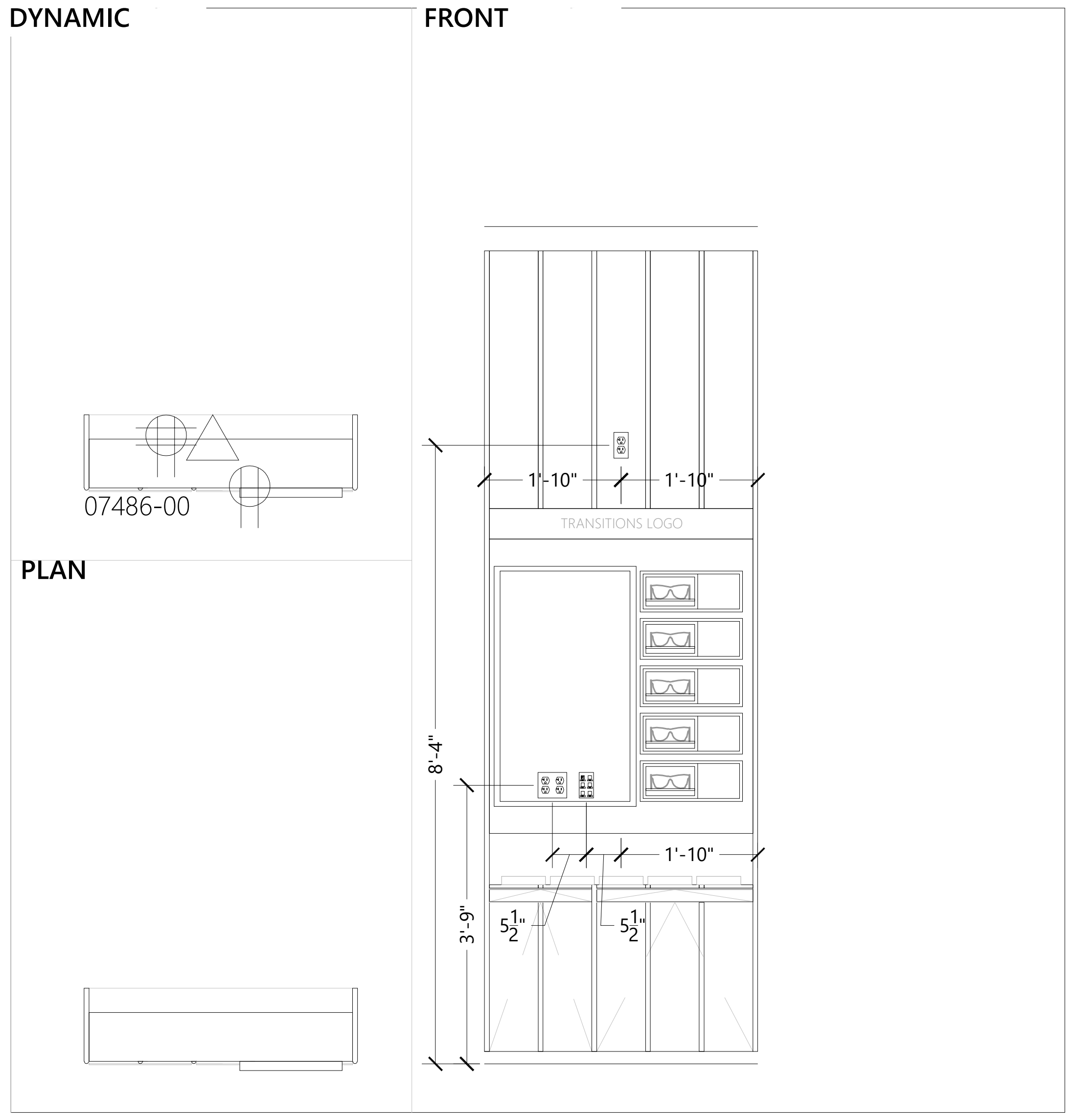
LC-07469-00_LUXURY WALL X2 OAKLEY


DYNAMIC
FRONT
PLAN
07469-00
1'-5½"
5"
9'-3"

LC-07470-00_LUXURY WALL X3 OAKLEY


DYNAMIC
FRONT
PLAN
07470-00
2'-2"
5"
5"
9'-3"

LC-07486-00_LUXURY TRANSITION 5 COLUMNS


DYNAMIC
FRONT
PLAN
07486-00
1'-10"
1'-10"
TRANSITIONS LOGO
8'-4"
1'-10"
3'-9"
5½"
5½"

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

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Dialectic, Inc.
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Seal
STATE OF MISSOURI
ADRIAN T. FRANKS
NUMBER PE-2012032391
PROFESSIONAL ENGINEER
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

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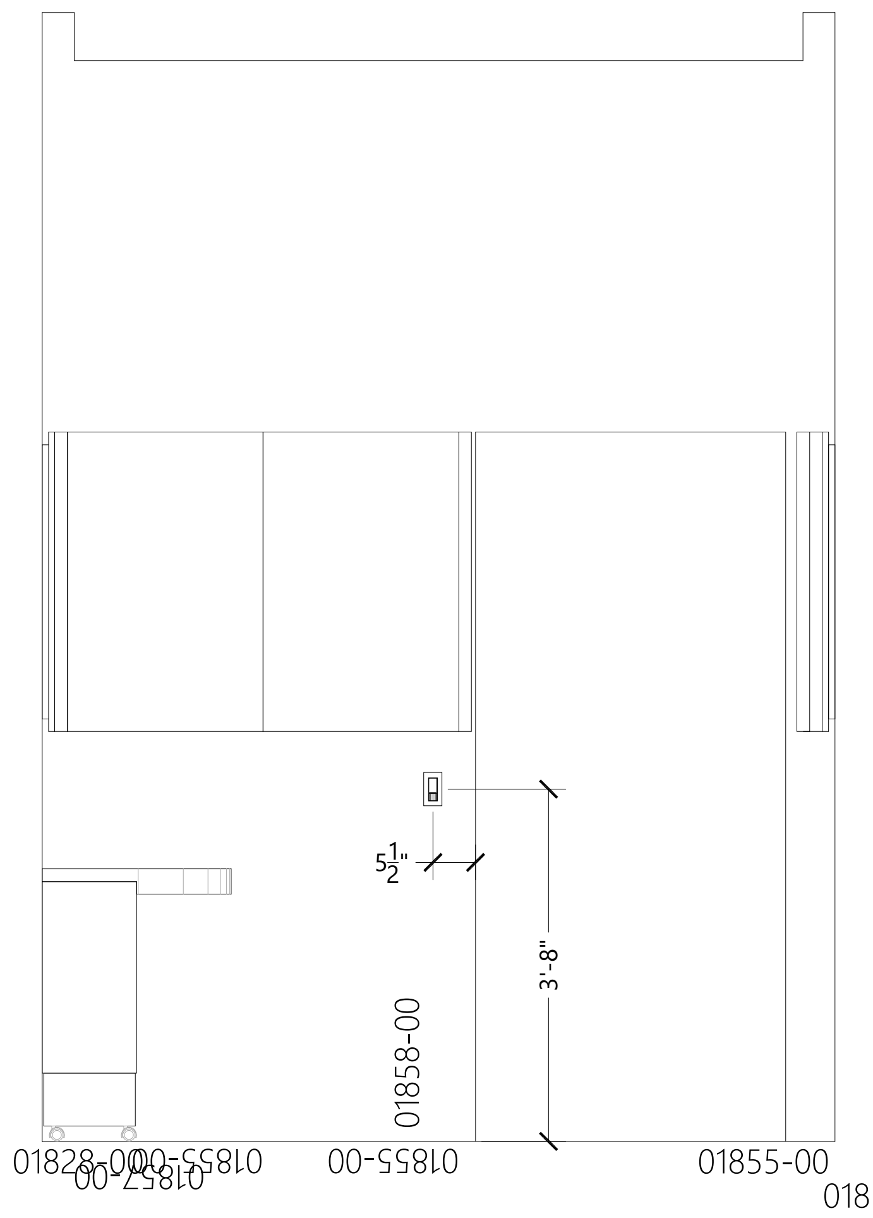
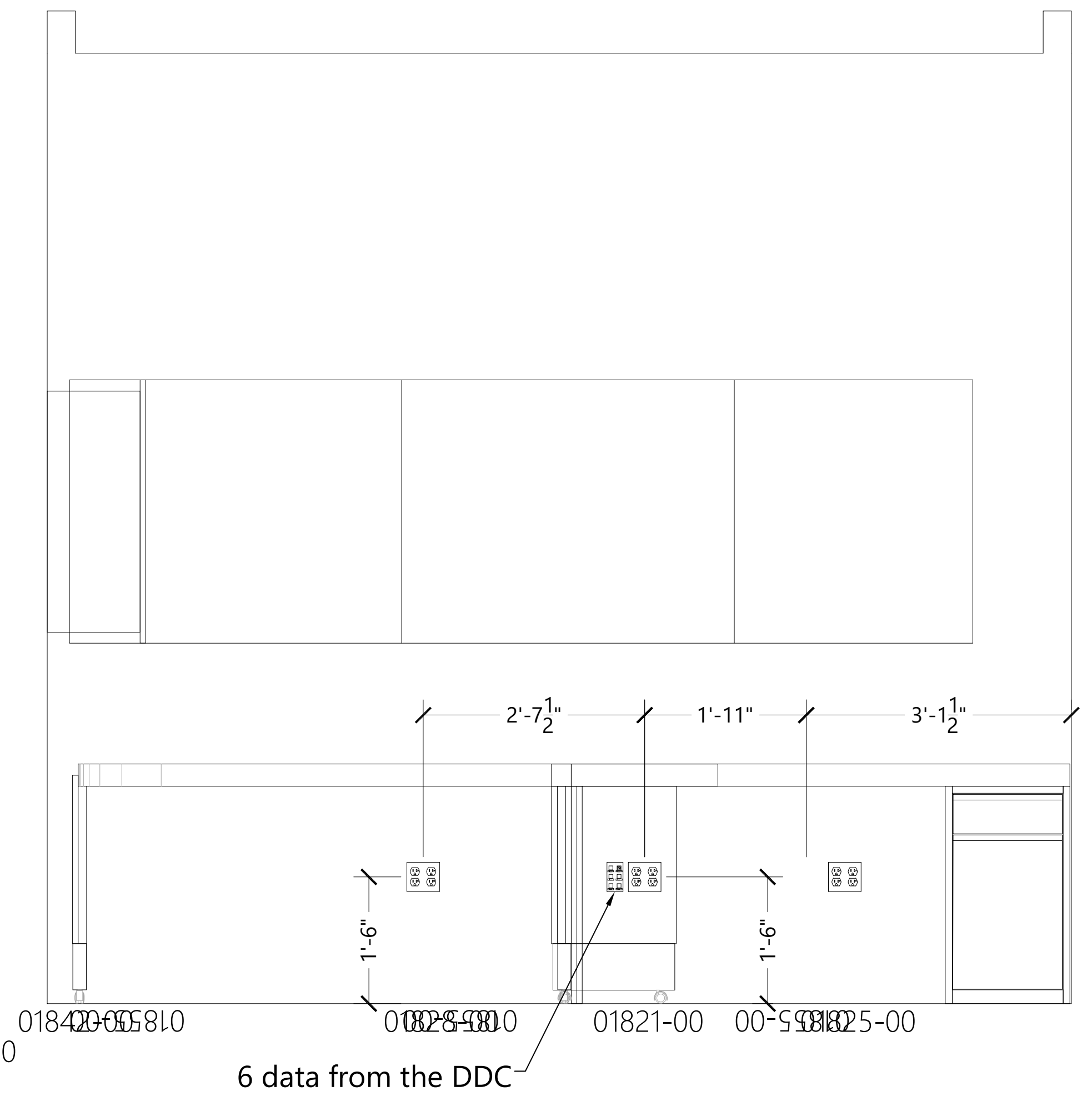
ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER
DISCIPLINE
PE-2012032391
LICENSE NUMBER

Title
ELECTRICAL
GENERAL NOTES
& DETAILS

Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E005b

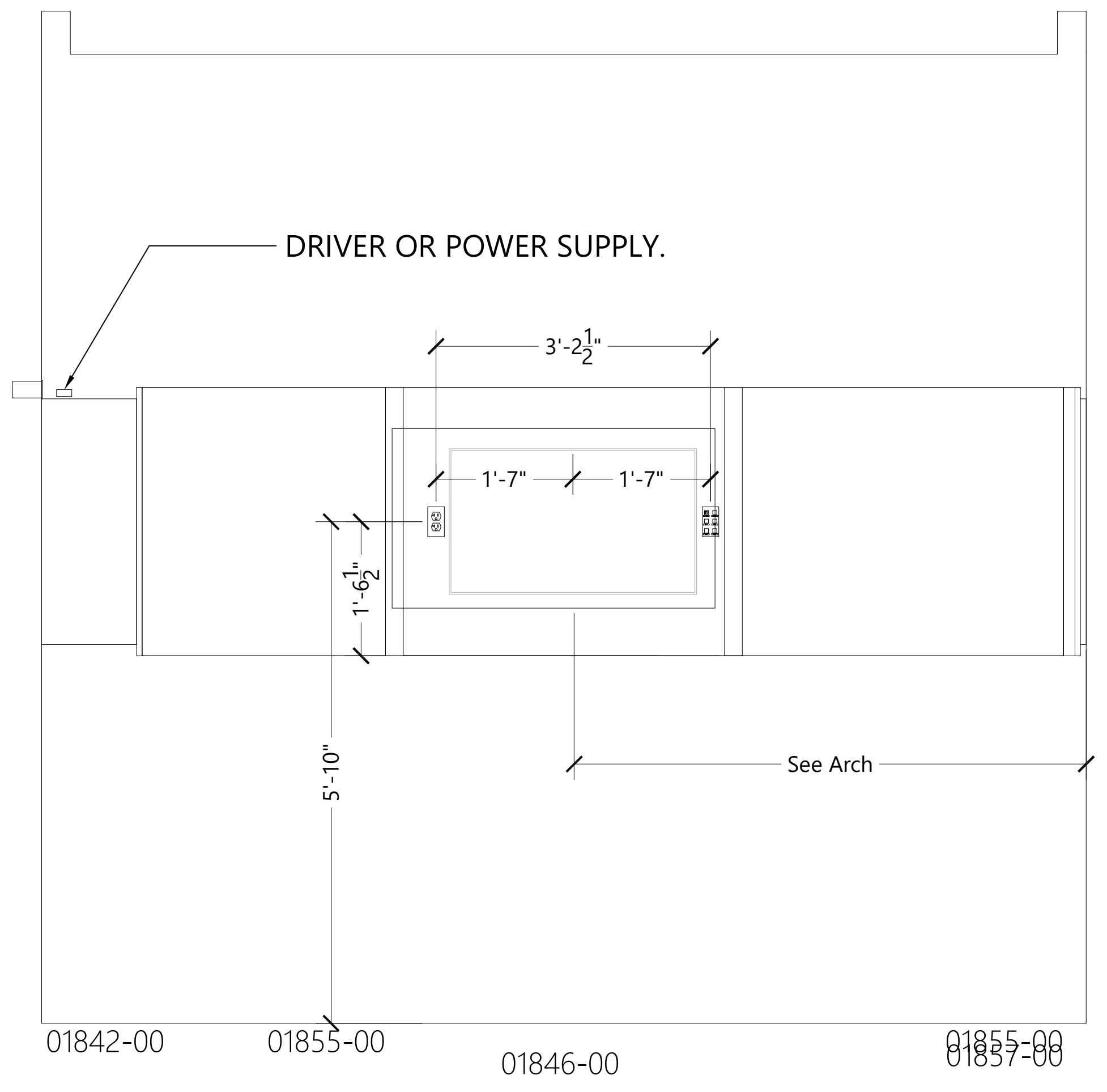

5 1/2"
3'-8"
01858-00
01828-00
01855-00
01855-00
01858-00

T PRETEST ROOM
SCALE: NONE


2'-7 1/2"
1'-11"
3'-1 1/2"
1'-6"
1'-6"
01842-00
01855-00
01828-00
01821-00
01825-00

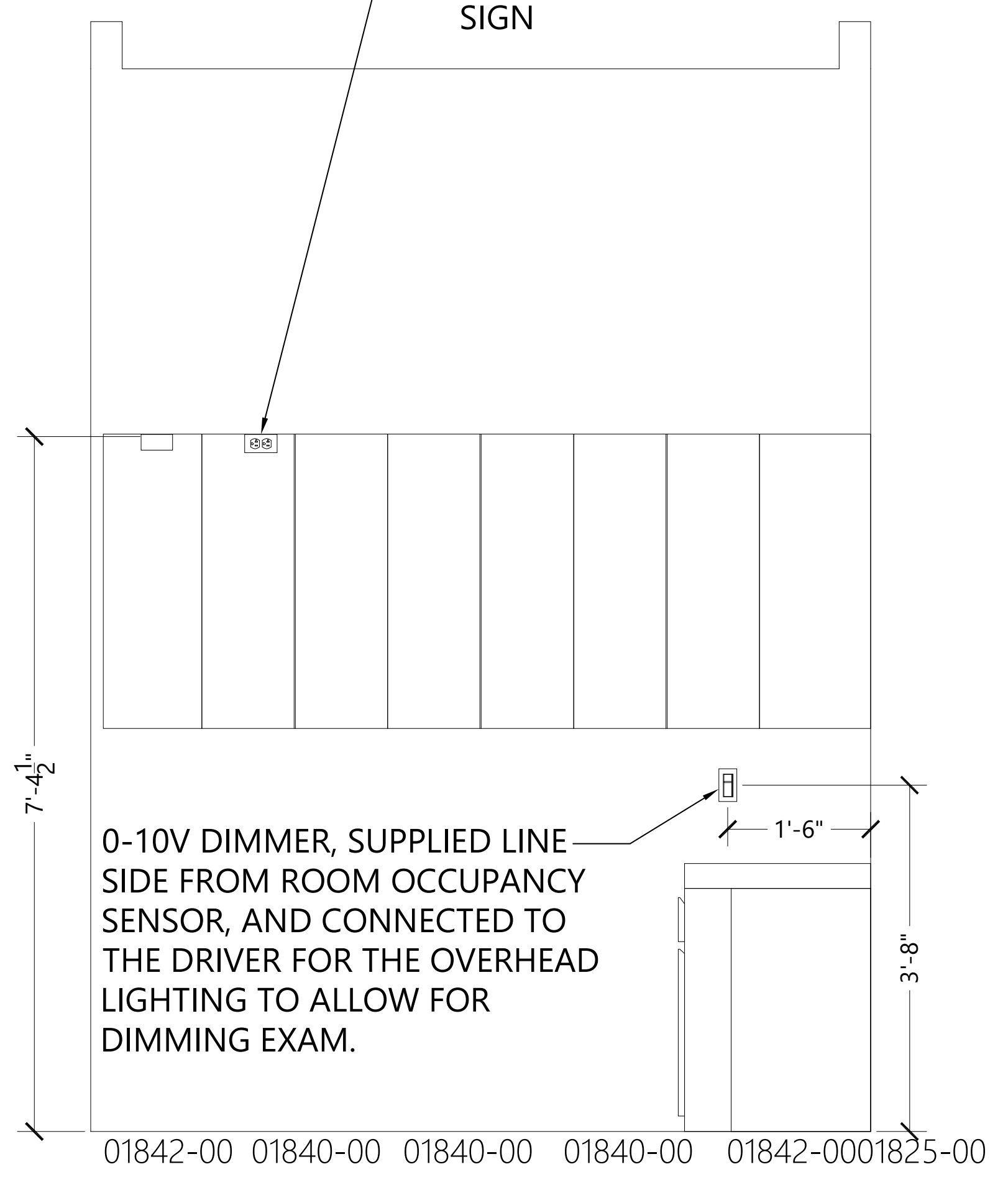
6 data from the DDC

L PRETEST ROOM
SCALE: NONE


3'-2 1/2"
1'-7"
1'-7"
1'-6 1/2"
5'-10"
See Arch
01842-00
01855-00
01846-00
01855-00
01857-00

DRIVER OR POWER SUPPLY.

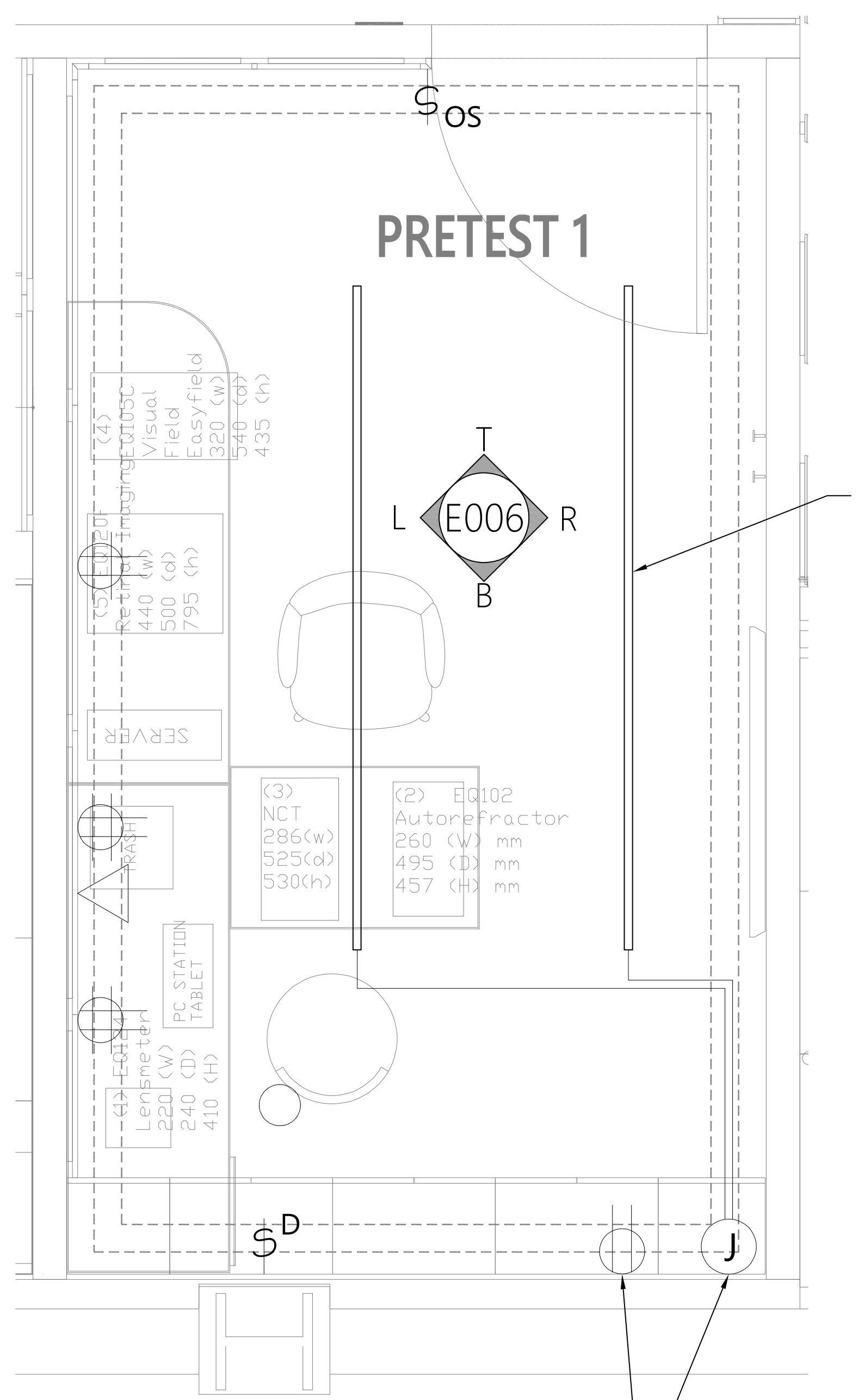
R PRETEST ROOM
SCALE: NONE


7'-4 1/2"
1'-6"
3'-8"
01842-00
01840-00
01840-00
01840-00
01842-00
01825-00

HORIZONTALLY MOUNTED DUPLEX RECEPTACLE FOR TIMECLOCK SWITCHED POWER FOR HALLWAY SIGN

0-10V DIMMER, SUPPLIED LINE SIDE FROM ROOM OCCUPANCY SENSOR, AND CONNECTED TO THE DRIVER FOR THE OVERHEAD LIGHTING TO ALLOW FOR DIMMING EXAM.

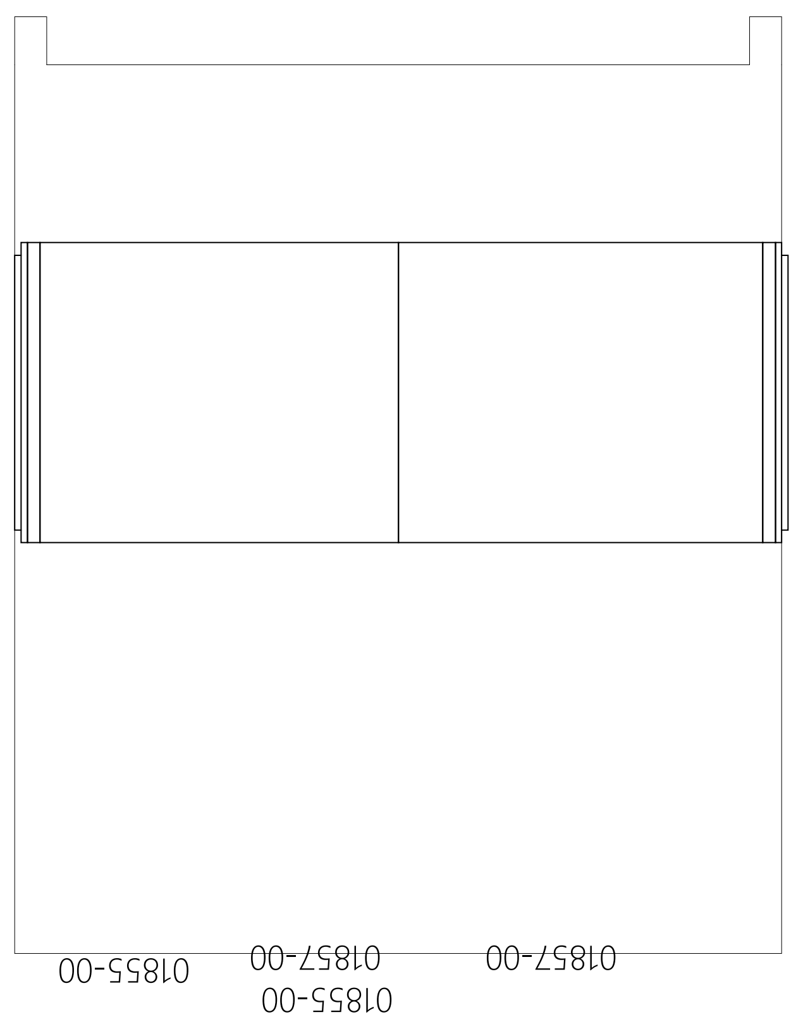
B PRETEST ROOM
SCALE: NONE


OS
PRETEST 1
T
L
E006
R
B
D
J

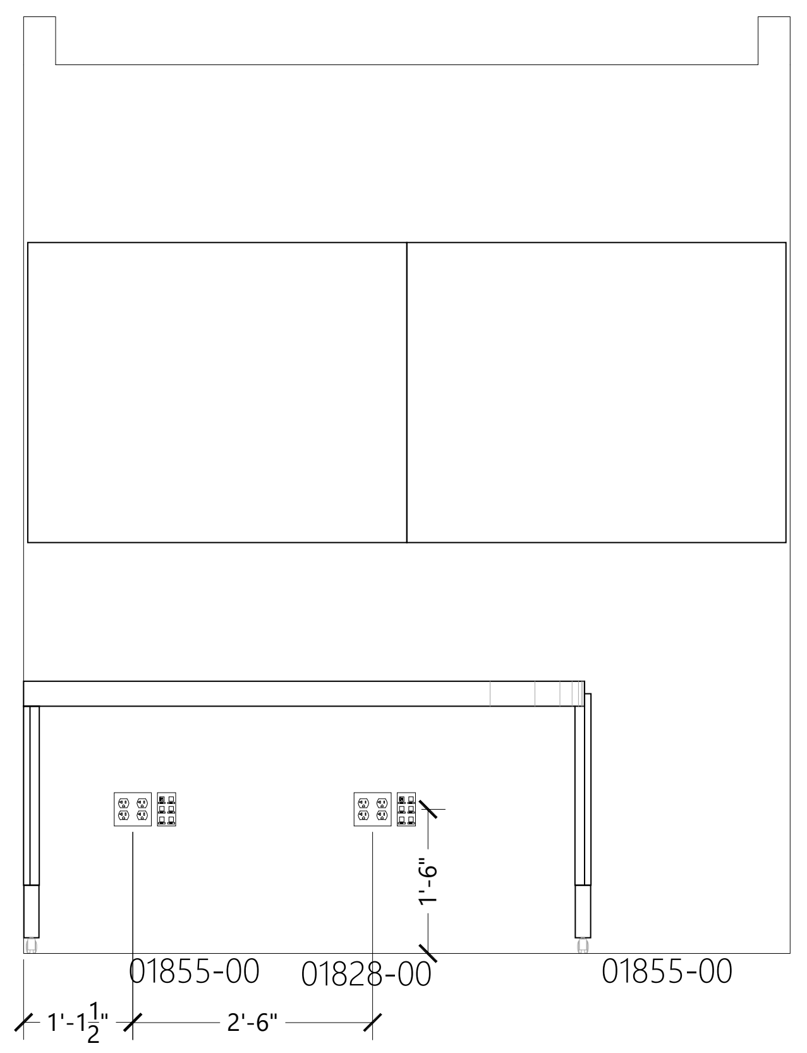
LINEAR RECESSED LED, LOW VOLTAGE.

CONNECT LOW VOLTAGE LIGHTING TO DRIVERS CONTROLLED ON/OFF VIA ROOM OCCUPANCY SENSOR AND DIMMED VIA 0-10V DIMMER.

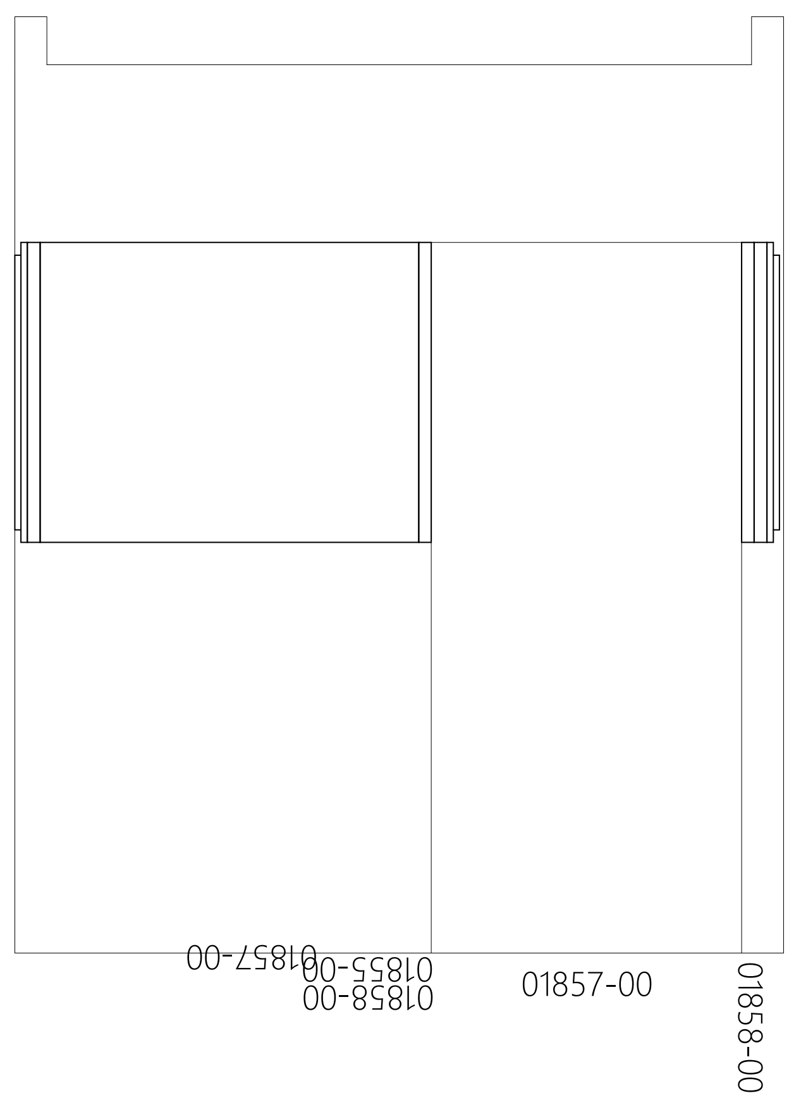
CONNECT SIGN POWER SUPPLY TO TIMECLOCK SWITCHED POWER.
PROVIDE 3/4" CONDUIT TO COVE IN FRONT OF ROOM FOR SIGN INSTALLER TO CONNECT WIRING.


01855-00
01857-00
01855-00
01857-00

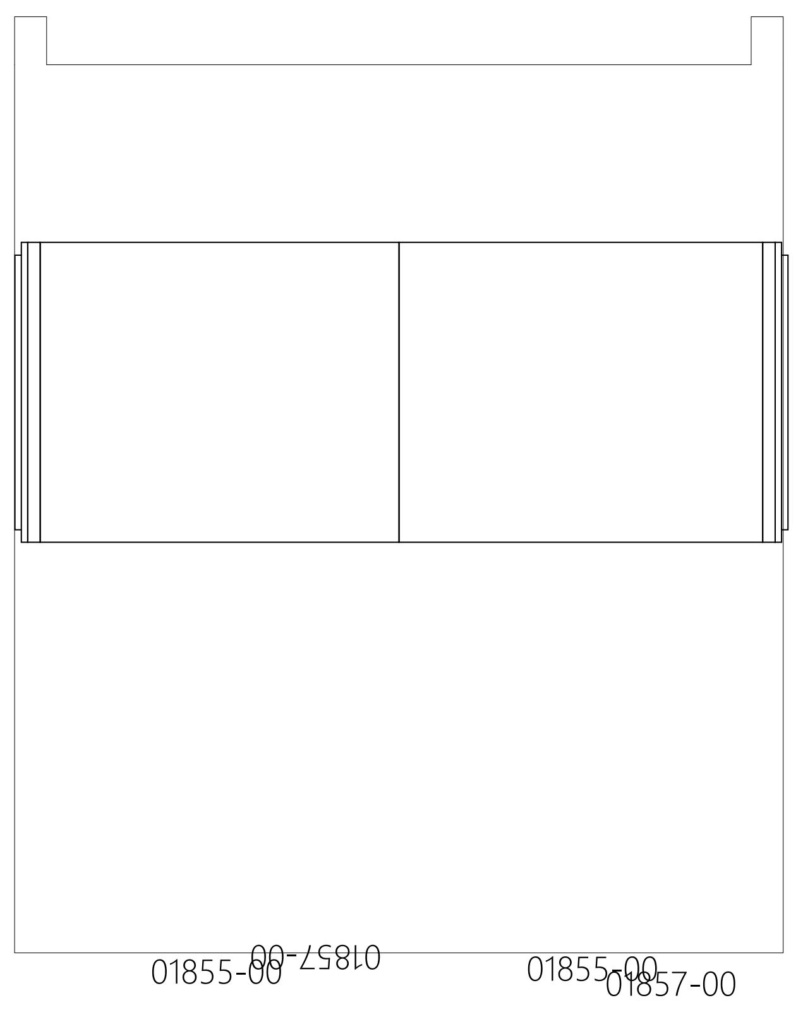
T OFFICE
SCALE: NONE


1'-6"
01855-00
01828-00
01855-00
1'-1 1/2"
2'-6"

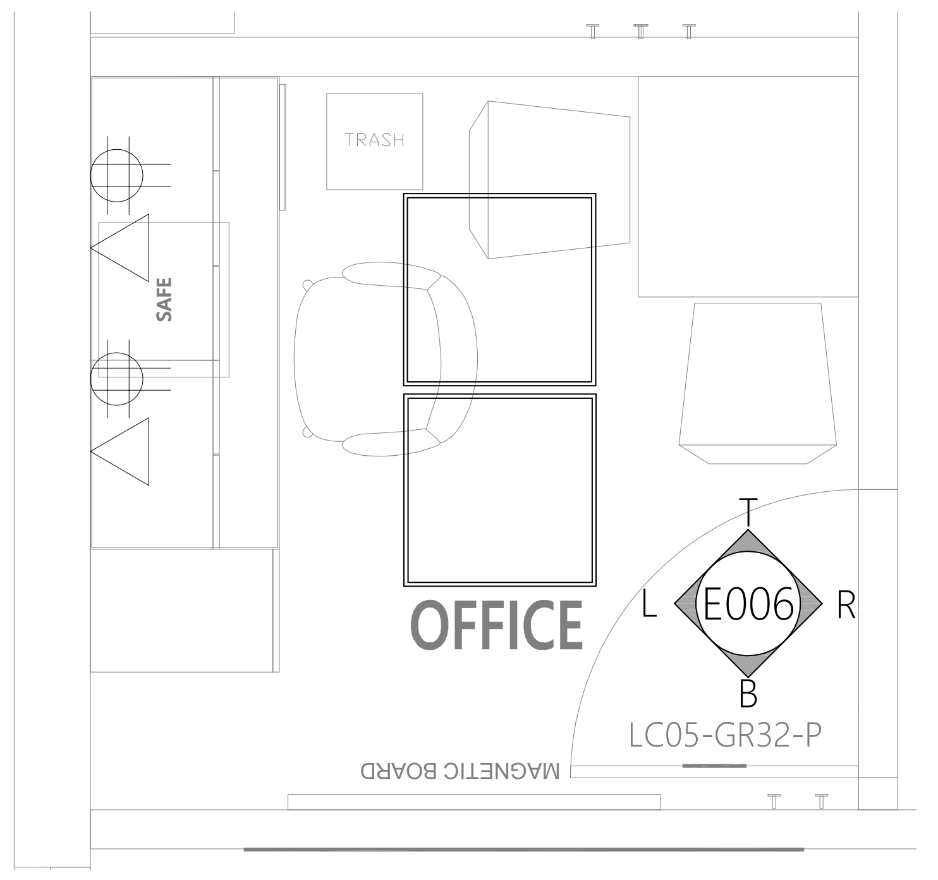
L OFFICE
SCALE: NONE


01857-00
01855-00
01858-00
01857-00
01858-00

R OFFICE
SCALE: NONE


01855-00
01857-00
01855-00
01857-00

B OFFICE
SCALE: NONE


TRASH
SAFE
OFFICE
T
L
E006
R
B
LC05-GR32-P
MAGNETIC BOARD

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

DIALECTIC ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
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Authorization Number 1582

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F 816-997-9602
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Seal

ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

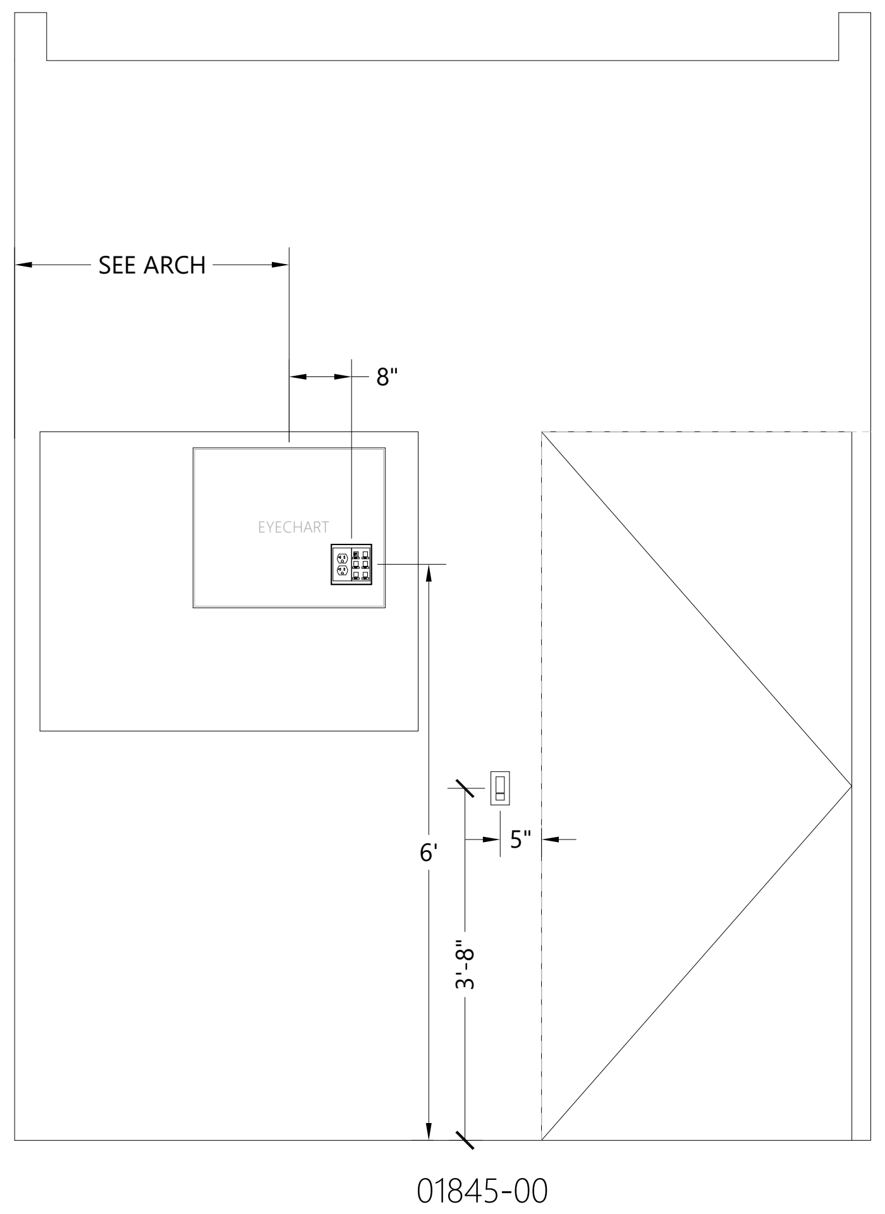
ISSUED FOR:
☐ Construction

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

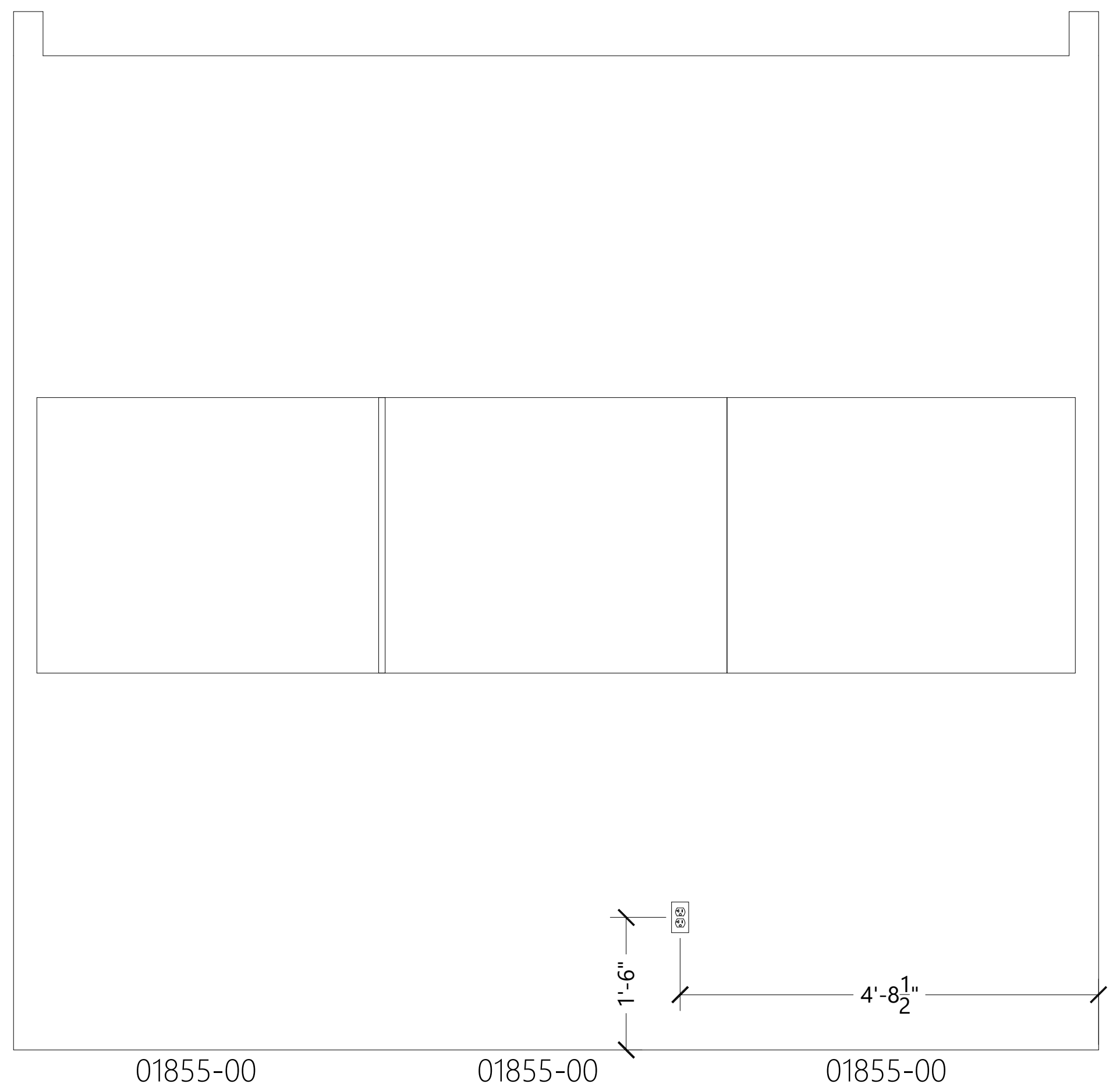
ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER
DISCIPLINE
PE-2012032391
LICENSE NUMBER

Title
TYPICAL PRETEST & OFFICE ROOMS

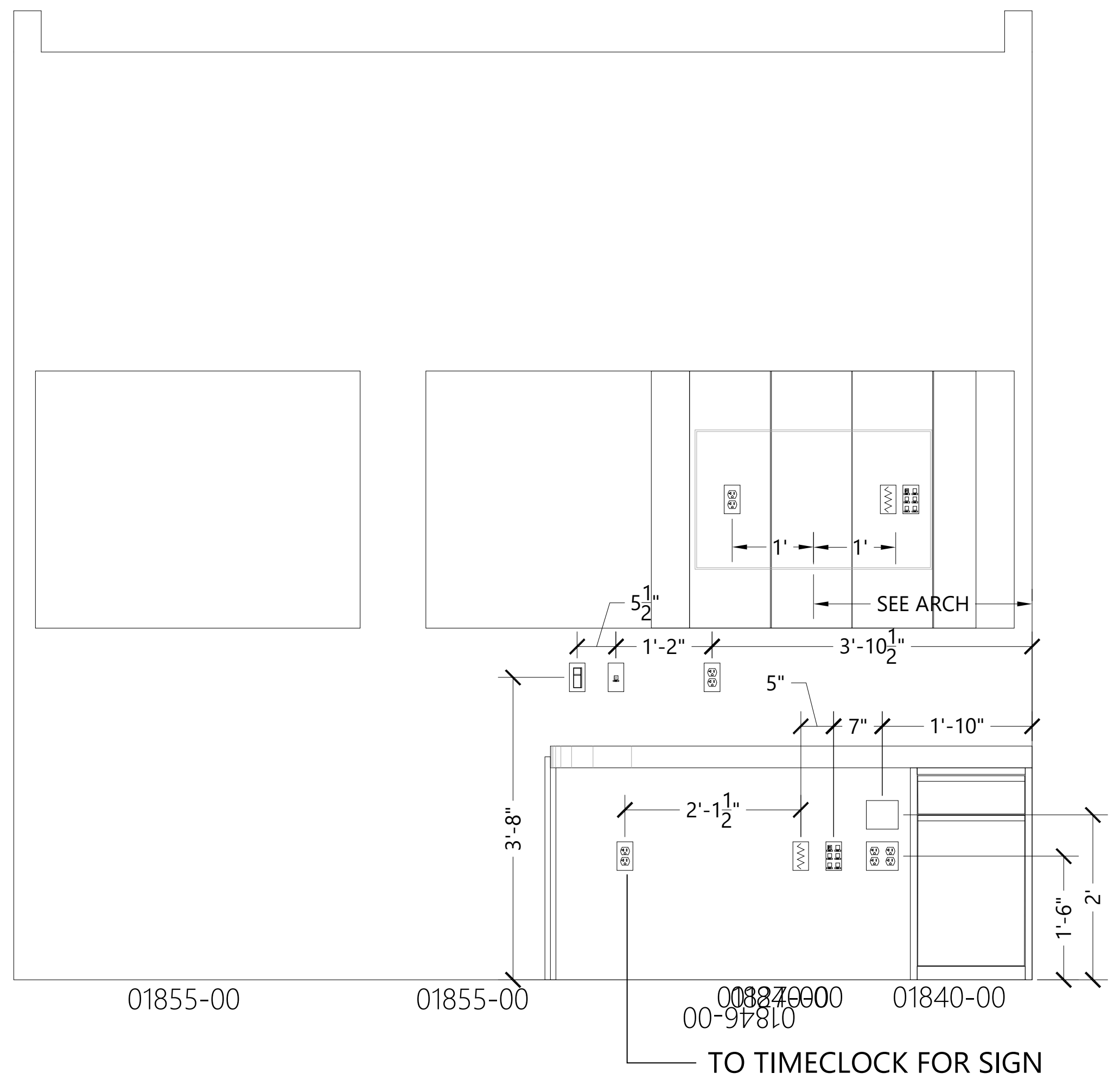
Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E006



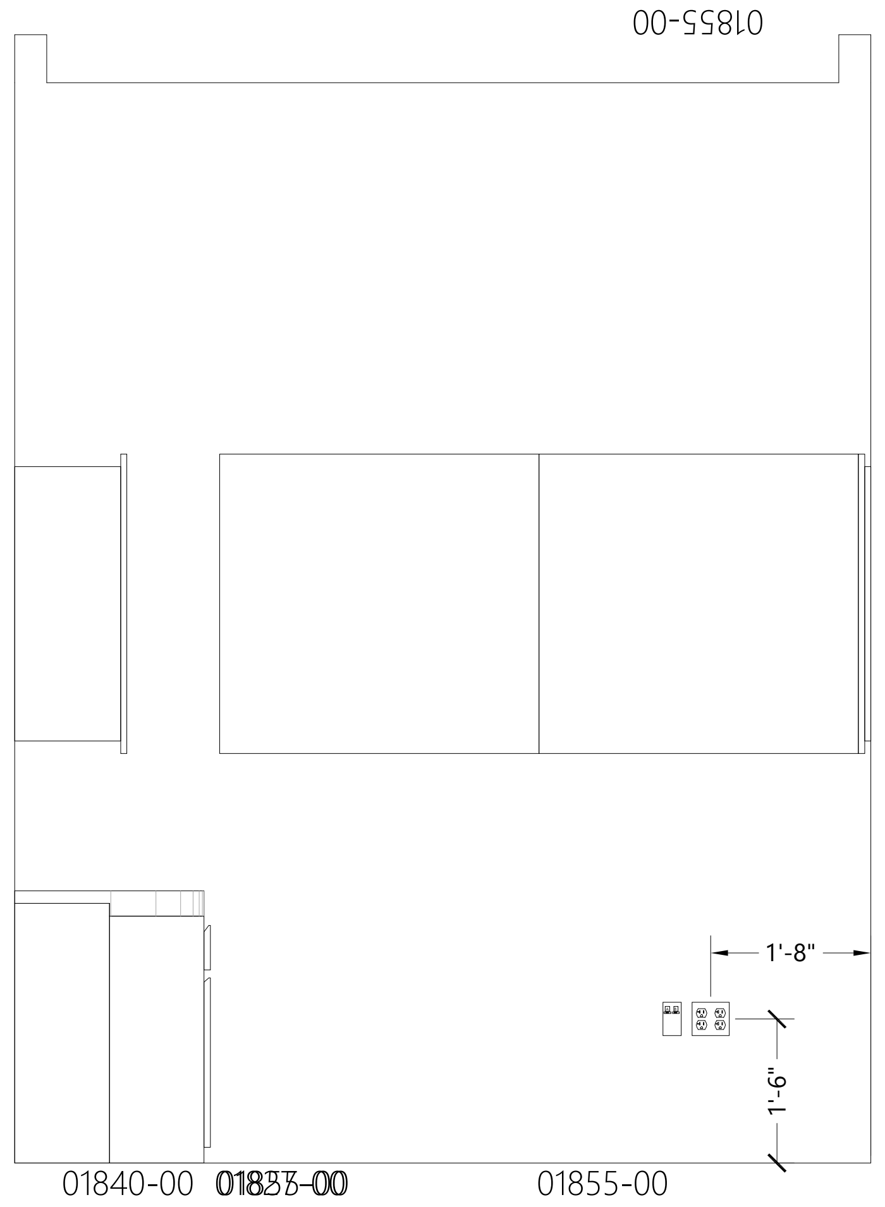
T EXAM ROOM
SCALE: NONE



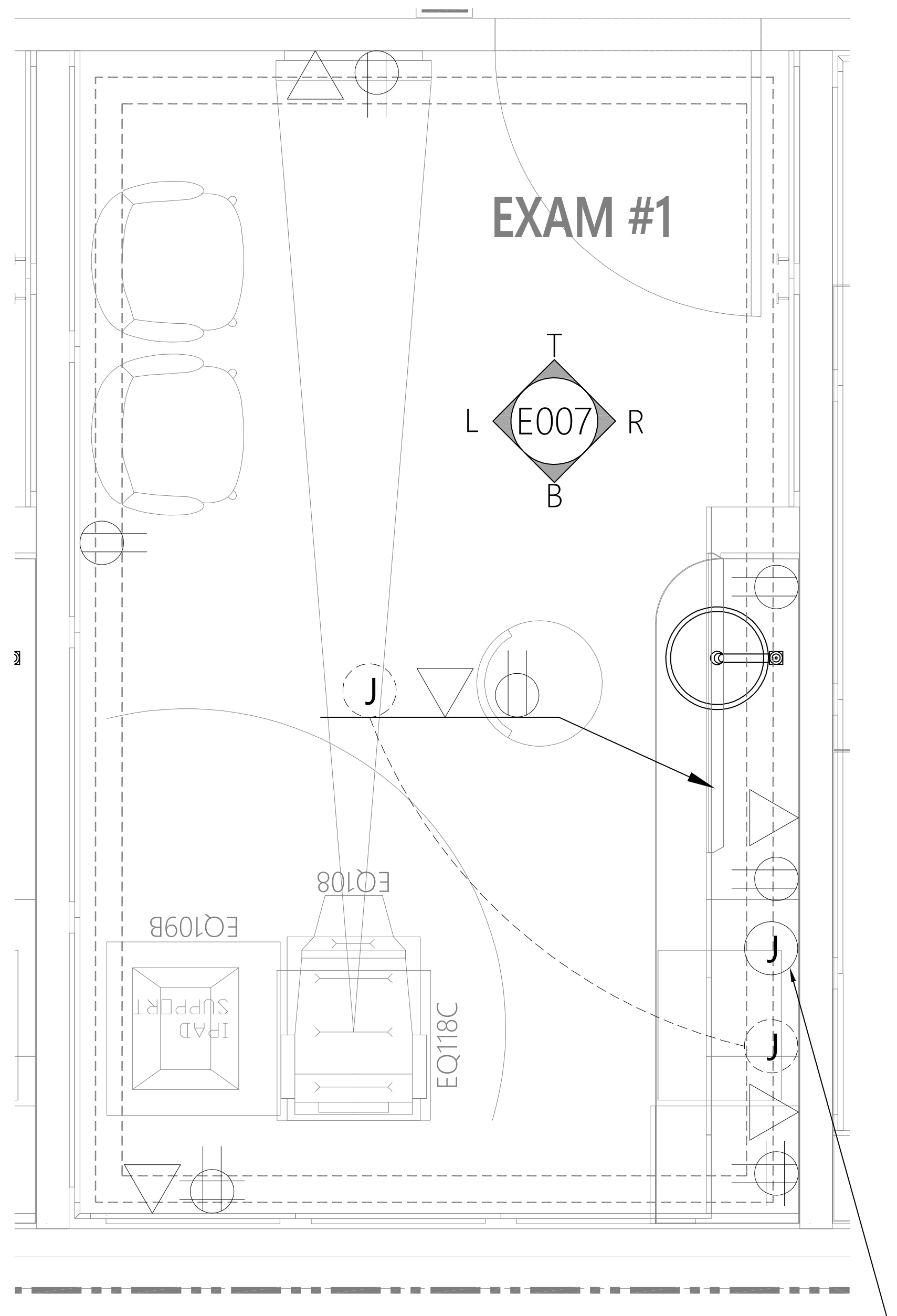
L EXAM ROOM
SCALE: NONE



R EXAM ROOM
SCALE: NONE



B EXAM ROOM
SCALE: NONE



CONNECT LOW VOLTAGE LIGHTING TO DRIVERS CONTROLLED ON/OFF VIA ROOM OCCUPANCY SENSOR AND DIMMED VIA 0-10V DIMMER.

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

[illegible]
NAME:

[illegible]
DISCIPLINE

[illegible]
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA

4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
6		
7		
8		

DIALECTIC ENGINEERING

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310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of
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F 816-997-9602
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Seal

ADRIAN T. FRANKS
NUMBER
PE-2012032391
10/04/2021

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
REV 06

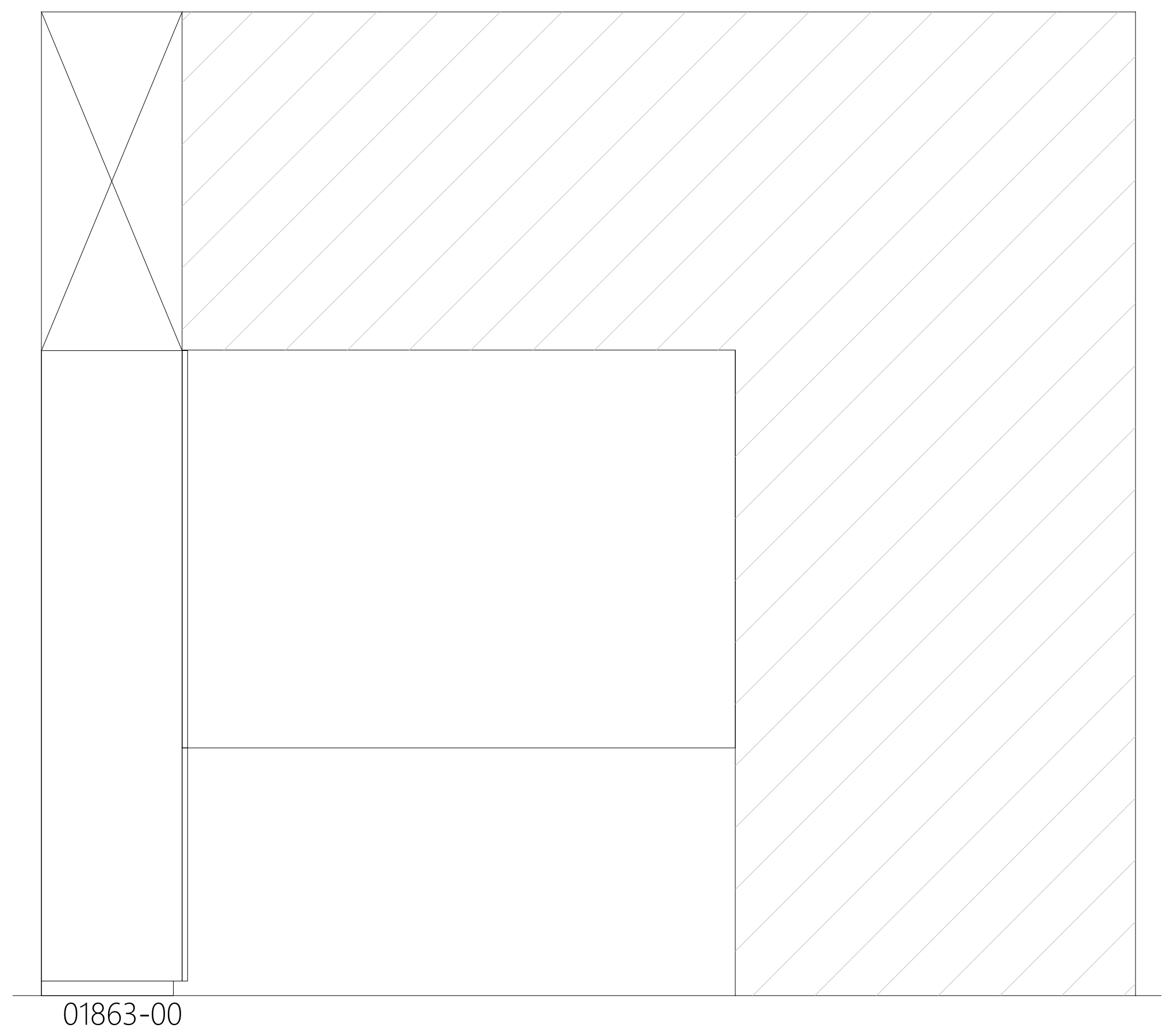
Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

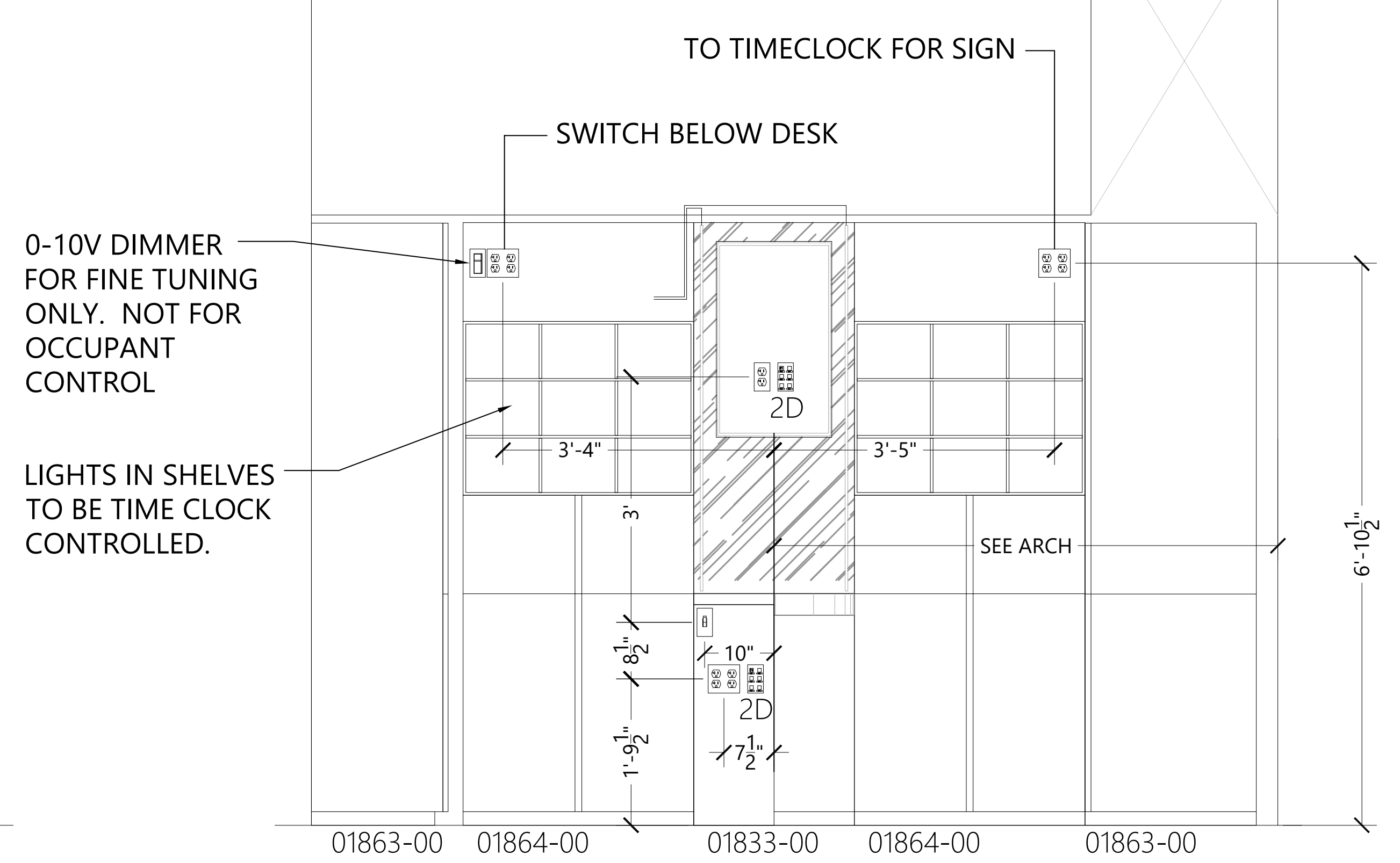
ISSUED FOR:
☐ Construction

Title
TYPICAL EXAM ROOM

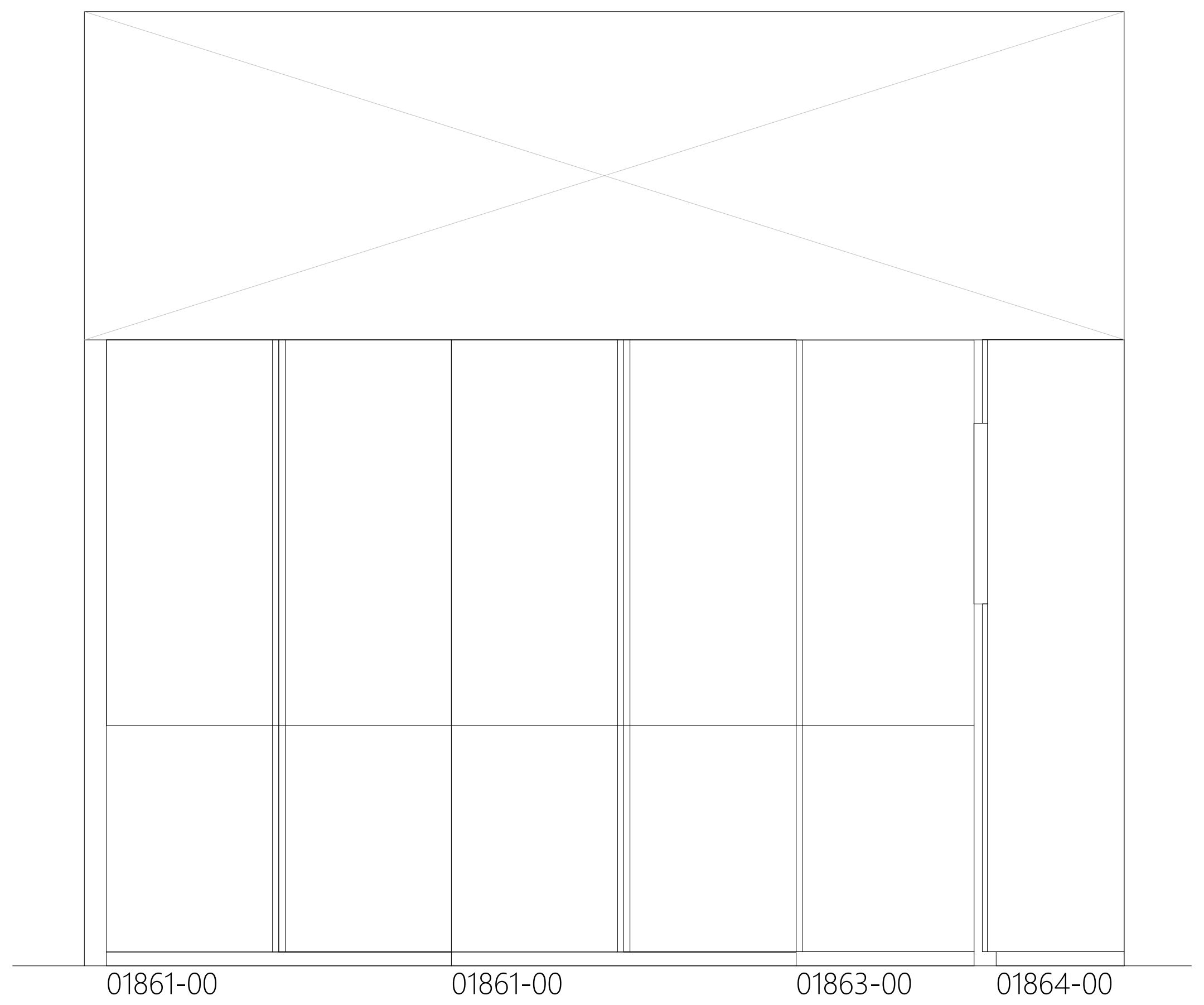
Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E007



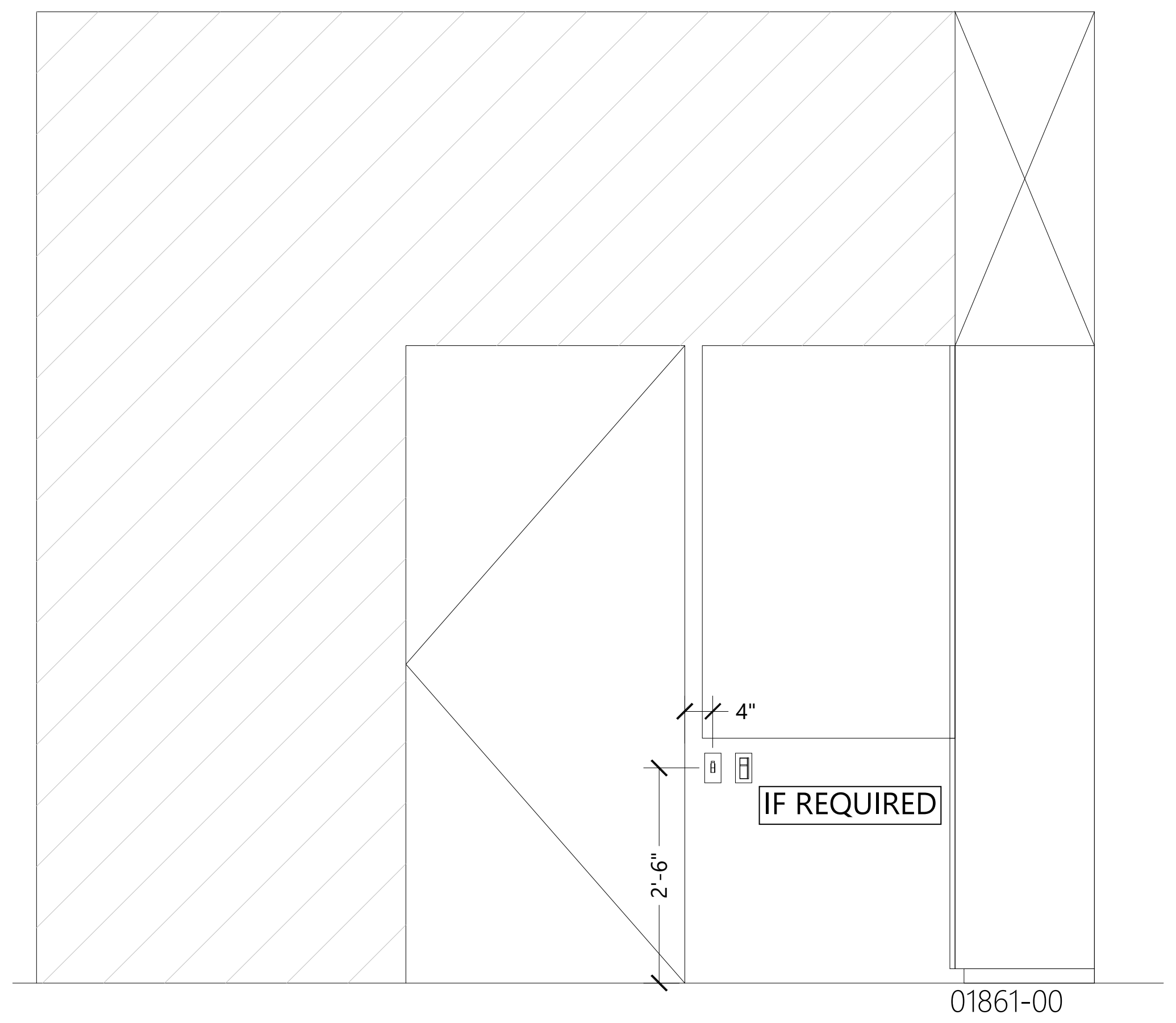
T CONTACT LENS
SCALE: NONE


TO TIMECLOCK FOR SIGN
SWITCH BELOW DESK
0-10V DIMMER FOR FINE TUNING ONLY. NOT FOR OCCUPANT CONTROL
LIGHTS IN SHELVES TO BE TIME CLOCK CONTROLLED.
2D
3'-4"
3'-5"
3'
SEE ARCH
6'-10½"
8½"
10"
2D
1'-9½"
7½"
01863-00
01864-00
01833-00
01864-00
01863-00

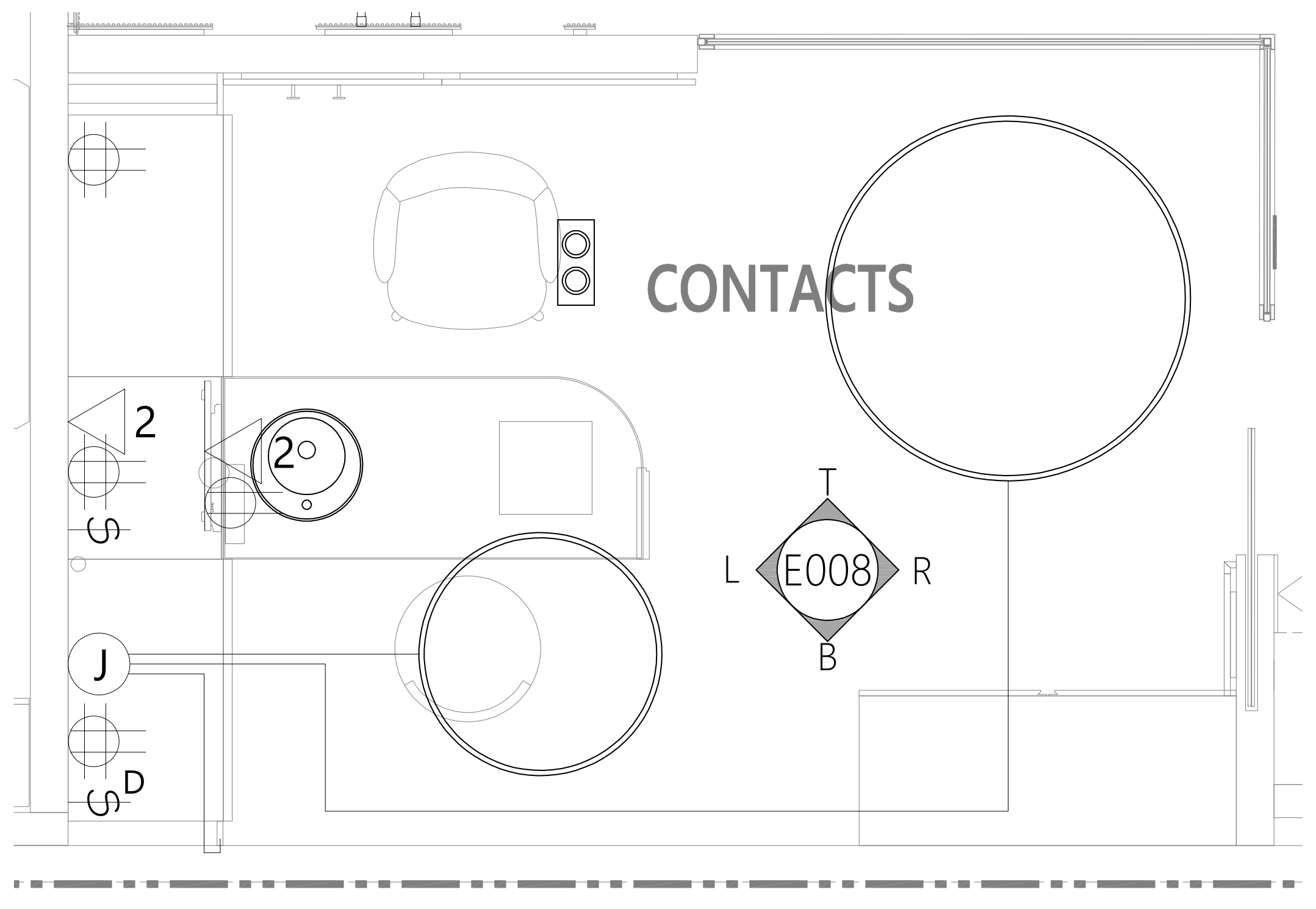
L CONTACT LENS
SCALE: NONE


01861-00
01861-00
01863-00
01864-00

R CONTACT LENS
SCALE: NONE


4"
IF REQUIRED
2'-6"
01861-00

B CONTACT LENS
SCALE: NONE


CONTACTS
2
2
S
T
L
E008
R
B
J
S
D

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
+1 (513) 765-6000
+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
1		
2		
3		
4		
5		
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DIALECTIC ENGINEERING

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Seal

ADRIAN T. FRANKS
NUMBER
PE-2012032391
10/04/2021

Architect Job No.:
LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number
84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

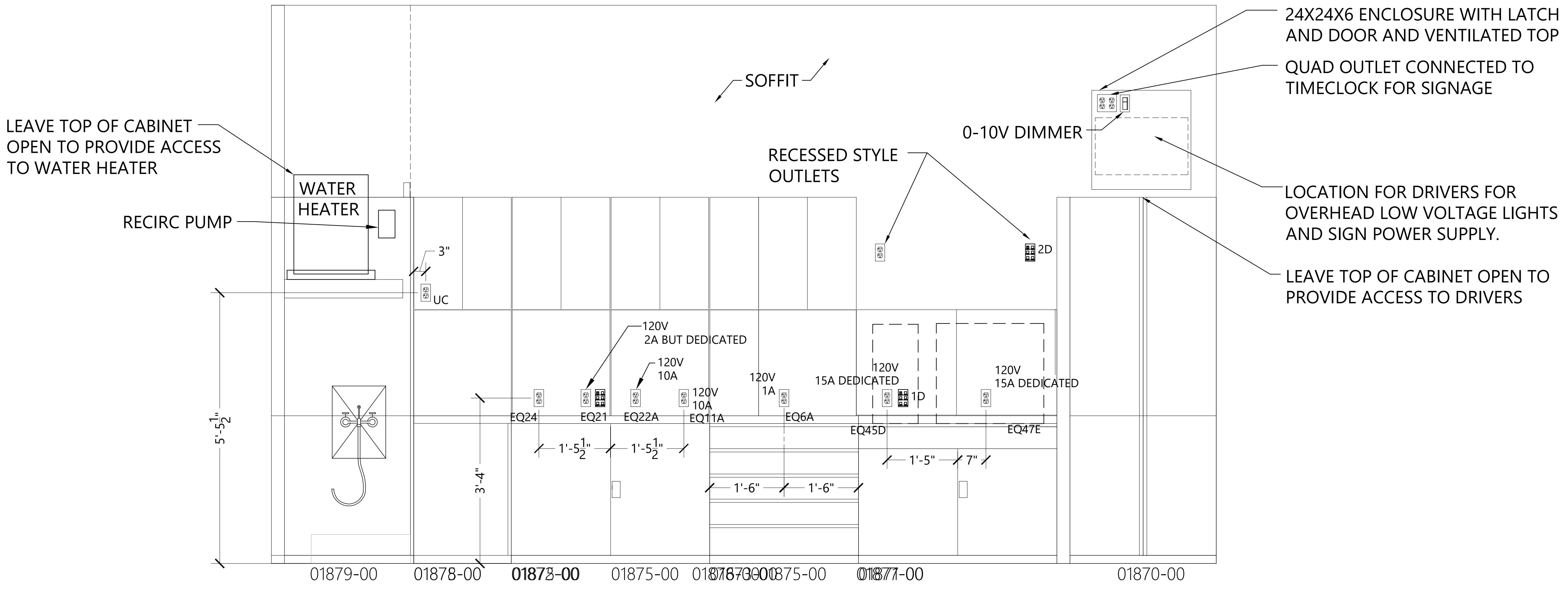
PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER
DISCIPLINE
PE-2012032391
LICENSE NUMBER

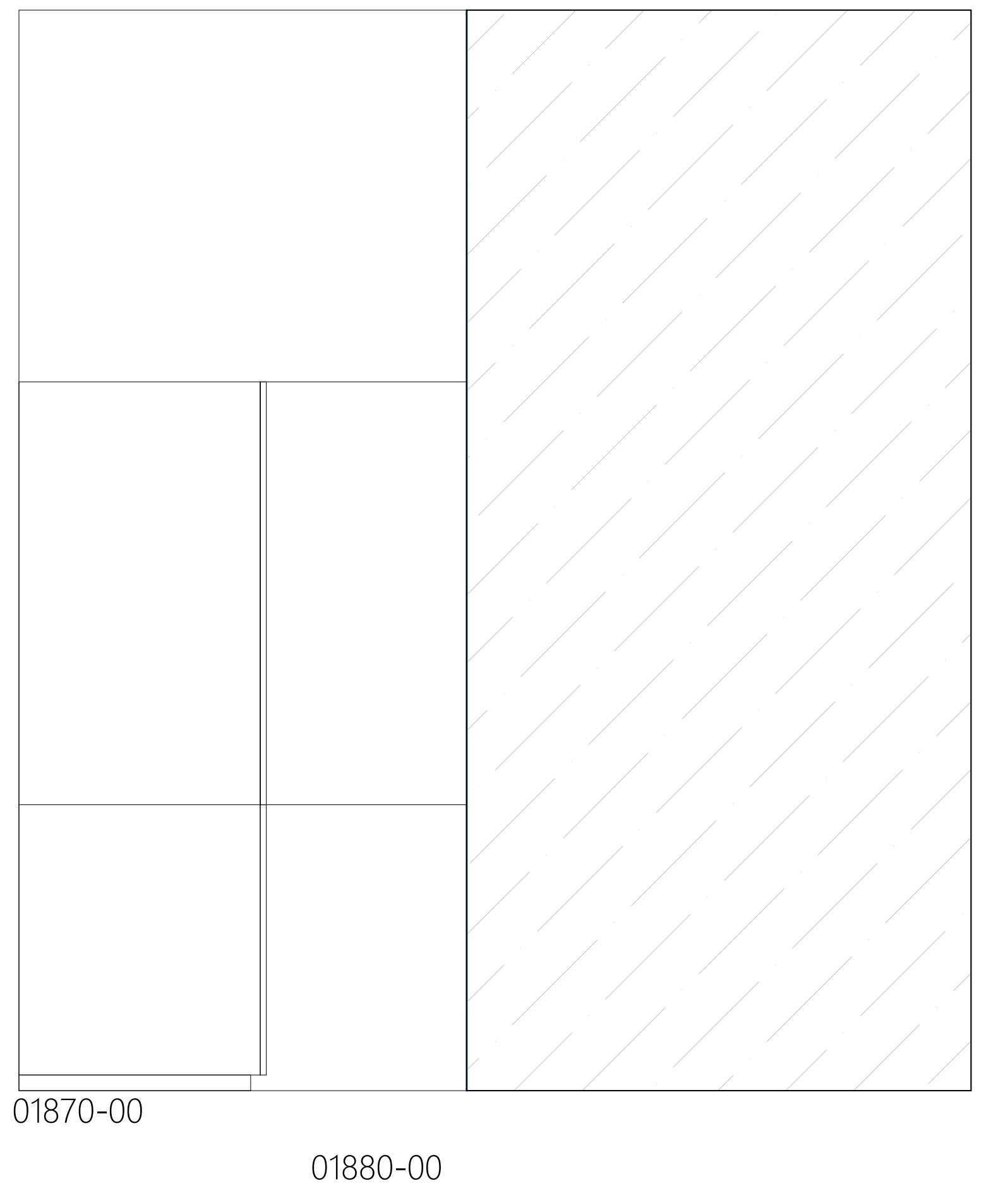
Title
TYPICAL CONTACT LENS ROOM

Date
10/01/21
Drawn By
JKS
Checked By
ATF

Sheet
E008

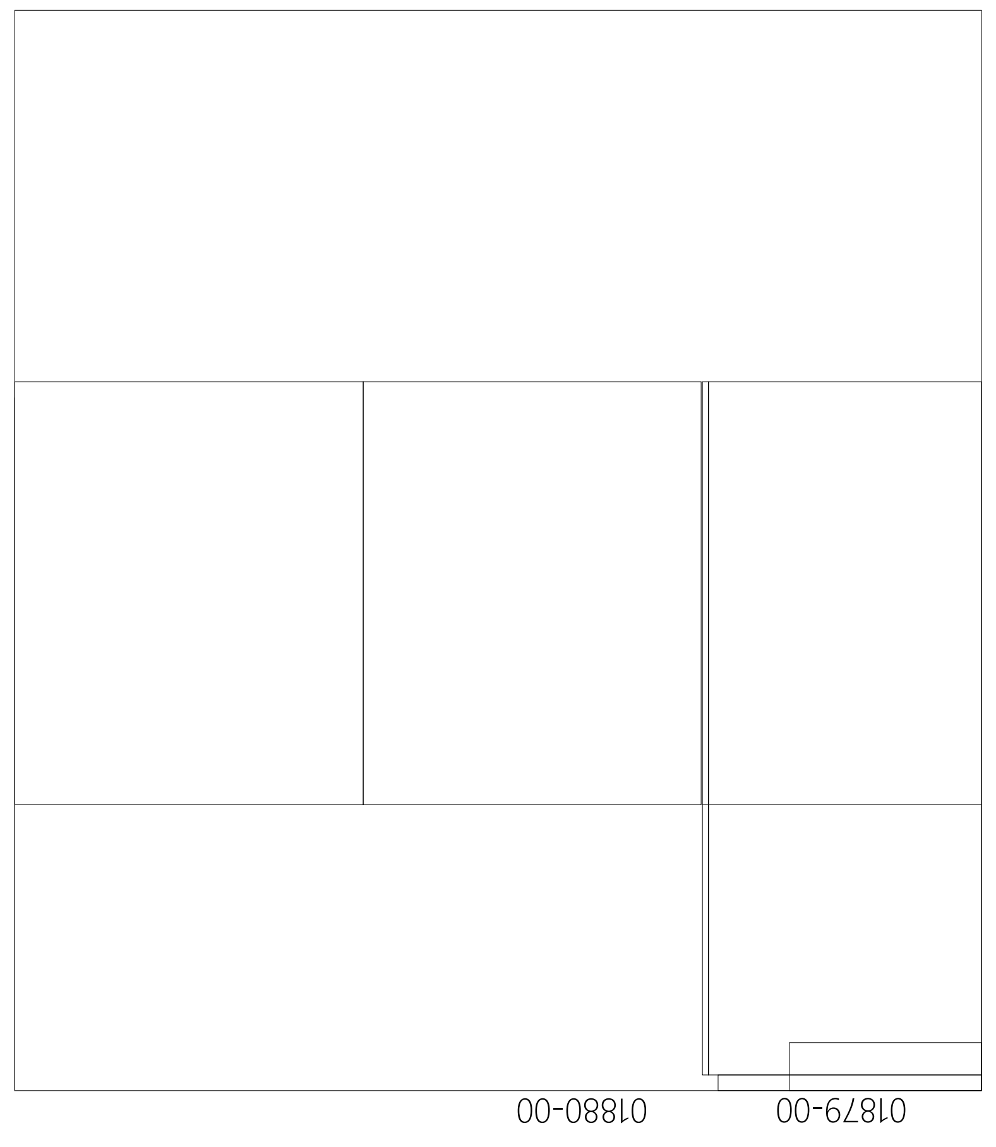

LEAVE TOP OF CABINET OPEN TO PROVIDE ACCESS TO WATER HEATER
WATER HEATER
RECIRC PUMP
SOFFIT
RECESSED STYLE OUTLETS
0-10V DIMMER
24X24X6 ENCLOSURE WITH LATCH AND DOOR AND VENTILATED TOP
QUAD OUTLET CONNECTED TO TIMECLOCK FOR SIGNAGE
LOCATION FOR DRIVERS FOR OVERHEAD LOW VOLTAGE LIGHTS AND SIGN POWER SUPPLY.
LEAVE TOP OF CABINET OPEN TO PROVIDE ACCESS TO DRIVERS
3"
UC
2D
120V 2A BUT DEDICATED
120V 10A
120V 10A
120V 1A
120V 15A DEDICATED
1D
120V 15A DEDICATED
EQ24
EQ21
EQ22A
EQ11A
EQ6A
EQ45D
EQ47E
5'-5½"
3'-4"
1'-5½"
1'-5½"
1'-6"
1'-6"
1'-5"
7"
01879-00
01878-00
01873-00
01875-00
01876-00
01875-00
01877-00
01870-00

T REPAIR LAB
SCALE: NONE

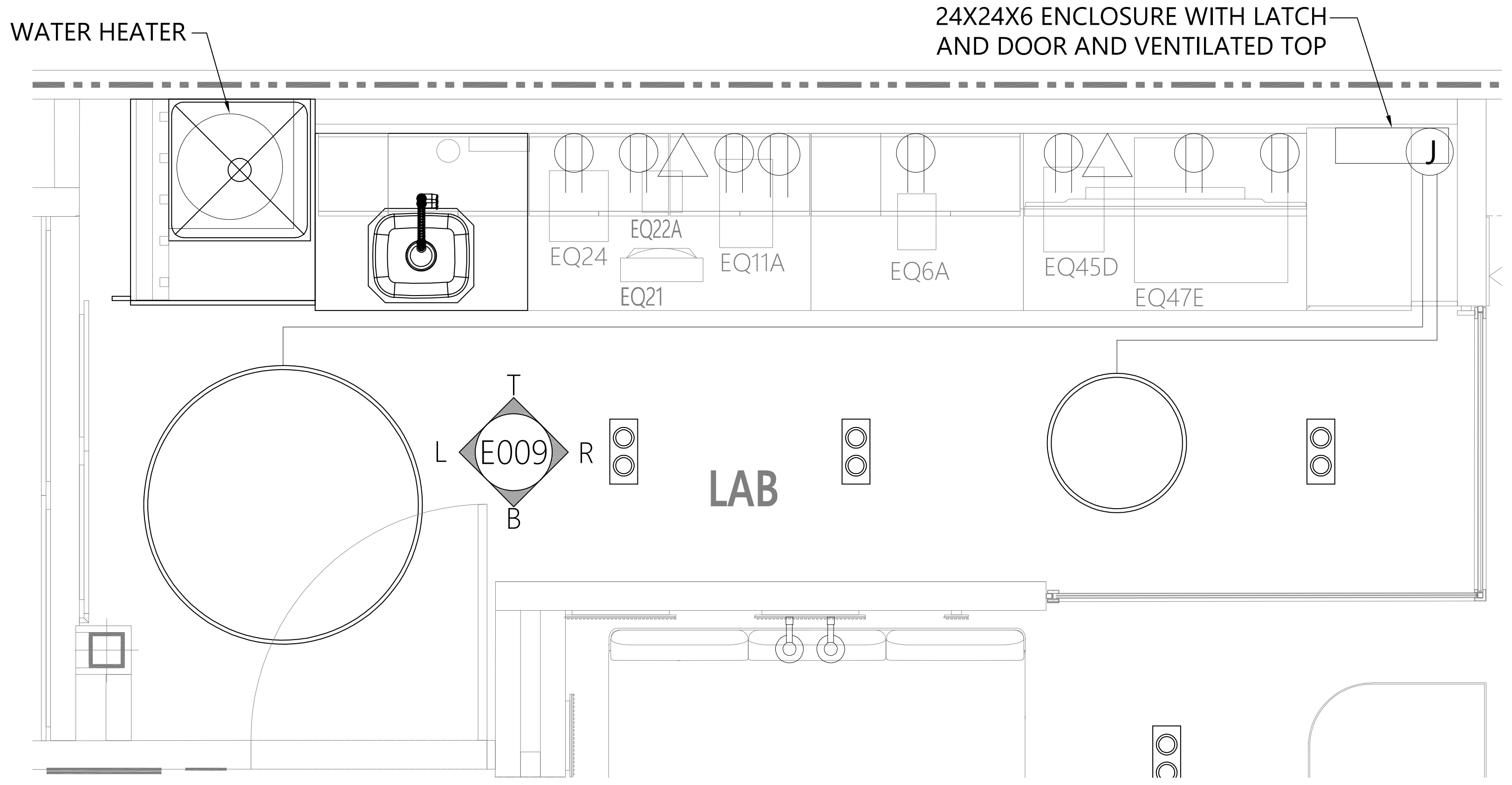

01870-00
01880-00

R REPAIR LAB
SCALE: NONE

B REPAIR LAB
SCALE: NONE


01880-00
01879-00
01880-00

L REPAIR LAB
SCALE: NONE


WATER HEATER
24X24X6 ENCLOSURE WITH LATCH AND DOOR AND VENTILATED TOP
J
EQ24
EQ22A
EQ21
EQ11A
EQ6A
EQ45D
EQ47E
T
L
E009
R
B
LAB

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

LUXOTTICA

4000 Luxottica Place, Mason, OH 45040
6 Creamery Brook, East Granby, CT 06026
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+1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

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A Subsidiary of the Luxottica Group
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Revisions:

Mark	Date	By
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Seal

ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number: 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
TYPICAL URGENT REPAIR LAB ROOM

Date: 10/01/21
Drawn By: JKS
Checked By: ATF
Sheet: E009

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:

ELECTRICAL ENGINEER
DISCIPLINE

PE-2012032391
LICENSE NUMBER

LIGHT FIXTURE SCHEDULE - NEXTORE 2020

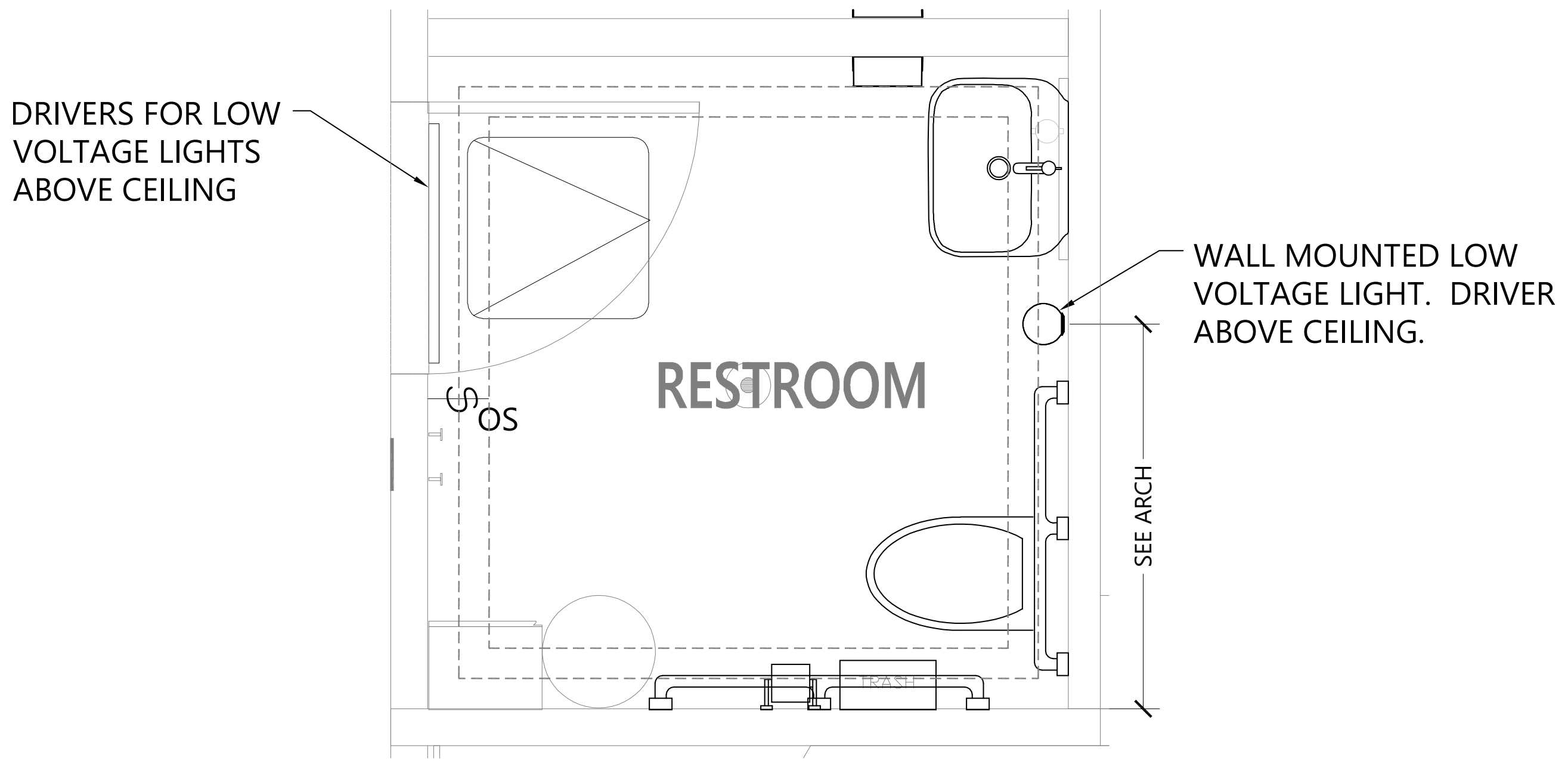
ALL NEW FIXTURES ARE OWNER SUPPLIED, EC INSTALLED

TAG	DESCRIPTION	SUPPLIER	MANUFACTURER	MODEL NUMBER	FINISH/COLOR	VOLTAGE	LAMP TYPE	LAMP QTY	FIXTURE WATTS	NOTES
BACK OF HOUSE / OD AREA LIGHTING										
A2L	20W RECESSED 2X2 LED PANEL	CREE	C-TR-FP22-2500L-35K-WH	2X2 LED PANEL	120V	20W LED	20W LED CHIP, 0-10V DIMMING	1	20	
A2L-EM	20W RECESSED 2X2 LED PANEL W/1320 LUM BATTERY	CREE	C-TR-FP22-2500L-35K-WH-EB	2X2 LED PANEL	120V	20W LED	20W LED CHIP, 0-10V DIMMING	1	20	
WS	Toilet Room wall sconce	CAPITOL LIGHT	DIOSCORI/ARTIMEDE	1039110A-**120V**	WHITE	**120**	6W WALL LIGHT	1	6	
SALES FLOOR LIGHTING										
E1	BLACK TRACK HEAD, 15 DEGREE OPTICS	VIABIZZUNO	VIABIZZUNO	ECONOTRACK - E1	BLACK	120V	20.5W, 3000K, 92 CRI	1	20.5	
E2	BLACK TRACK HEAD, 24 DEGREE OPTICS	VIABIZZUNO	VIABIZZUNO	ECONOTRACK - E2	BLACK	120V	20.5W, 3000K, 92 CRI	1	20.5	
E3	BLACK TRACK HEAD, 31 DEGREE OPTICS	VIABIZZUNO	VIABIZZUNO	ECONOTRACK - E3	BLACK	120V	20.5W, 3000K, 92 CRI	1	20.5	
M3	2 LAMP, WITH BLACK TRIM BLACK INTERIOR, LED DOWNLIGHT, 31 DEGREE OPTIC	VIABIZZUNO	VIABIZZUNO	MINITRAFFIC - M3	BLACK	120V	16.8W, 3000K, 92 CRI	2	33.6	
M3-I	2 LAMP, WITH BLACK TRIM BLACK INTERIOR, LED DOWNLIGHT, 31 DEGREE OPTIC	VIABIZZUNO	VIABIZZUNO	MINITRAFFIC - M3-I	BLACK	120V	10W, 3000K, 92 CRI	2	20	
T##	TRACK, BLACK FINISH, FIELD CUT TO MATCH SIZE ON PLANS, PROVIDE END FEEDS AND CONNECTORS AS REQUIRED	VIABIZZUNO	VIABIZZUNO	ECONOTRACK - T1, T2, T3, T4, T#	BLACK	120V			N/A	
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		3	
LC1	LINEAR INTERIOR DECORATIVE LED SCONCE	VIABIZZUNO	VIABIZZUNO	LAMPADACONTINUA	MATT SILVER	24V DC	3000K INTEGRATED LED	-	21	3, 4
LC2	LINEAR INTERIOR DECORATIVE LED SCONCE	VIABIZZUNO	VIABIZZUNO	LAMPADACONTINUA	MATT SILVER	24V DC	3000K INTEGRATED LED	-	21	3, 4
C2	STRIP LED, CEILING MOUNTED, LINEAR LAYOUT	VIABIZZUNO	VIABIZZUNO	C2 LED PROFILE		24V DC	26W/M (8W/FT) 3000K 2500L/M 1.647M	-	42.5	3, 5
C3	STRIP LED, CEILING MOUNTED, LINEAR LAYOUT	VIABIZZUNO	VIABIZZUNO	C2 LED PROFILE		24V DC	26W/M (8W/FT) 3000K 2500L/M 2.447M	-	63.3	3, 5
TB1	STRIP LED, CEILING MOUNTED, CIRCULAR LAYOUT (S)	VIABIZZUNO	VIABIZZUNO	TUBINO TONDO 600		24V DC	26W/M (8W/FT) 3000K 2500L/M	-	49	3, 5
TB2	STRIP LED, CEILING MOUNTED, CIRCULAR LAYOUT (M)	VIABIZZUNO	VIABIZZUNO	TUBINO TONDO 800		24V DC	26W/M (8W/FT) 3000K 2500L/M	-	66	3, 5
TB3	STRIP LED, CEILING MOUNTED, CIRCULAR LAYOUT (L)	VIABIZZUNO	VIABIZZUNO	TUBINO TONDO 1200		24V DC	26W/M (8W/FT) 3000K 2500L/M	-	98	3, 5
CONTROLS AND LIMITERS										
RP1	125W INVERTER (MAX LOAD = 100W)	CAPITOL LIGHT	LIGHTALARMS	LMUi-125 = $395.00	WHITE	120/277	LINE VOLTAGE IN/LINE VOLTAGE OUT			2
RP4	400W INVERTER (MAX LOAD = 320W)	CAPITOL LIGHT	LIGHTALARMS	LMIU-400 = $1095.00	WHITE	120/277	LINE VOLTAGE IN/LINE VOLTAGE OUT			2
RP7	720W INVERTER (MAX LOAD = 575W)	CAPITOL LIGHT	LIGHTALARMS	LMIU-720 = $1695.00	WHITE	120/277	LINE VOLTAGE IN/LINE VOLTAGE OUT			2
COS	CEILING OCCUPANCY SENSOR	CAPITOL LIGHT	SENSORSWITCH	CM-PDT-10 / PP20	WHITE					
OS	WALLOCCUPANCY SENSOR	CAPITOL LIGHT	LUTRON	MS-A102-WH	WHITE					
D	SLIDE DIMMER	CAPITOL LIGHT	GREENGATE	WBSD-010SLD-W	WHITE					3

NOTES:

1. PROVIDE CURRENT LIMITER PANEL AS INDICATED ON PLANS. LOCATE PANEL ADJACENT TO TENANT LINE VOLTAGE PANEL.
2. POWERS FIXTURES IN THE EVENT OF A POWER FAILURE. SEE WIRING DETAIL
3. PROVIDE 0-10V DIMMER WITH FIXTURE. SEE LIGHTING PLAN FOR QUANTITY.
4. INSTALL REMOTE DRIVER AND 0-10V DIMMER TO CONTROL FIXTURE. PROVIDE LOW VOLTAGE WIRING FROM REMOTE DRIVER TO FIXTURE.
5. FIXTURE IS FURNISHED FROM MANUFACTURER WITH 5 METER (15FT) 2 CONDUCTOR, PLENUM RATED SUPPLY. FIXTURE IS SUPPLIED WITH 120V/24V DRIVER, PLENUM RATED, UL LISTED FOR HARD WIRED LINE/LOAD CONNECTIONS. ELECTRICAL CONTRACTOR TO SUPPLY LOW VOLTAGE WIRING BETWEEN DRIVER AND 3M LEAD, OR SHORTEN LEAD WHEN THE DRIVER IS WITHIN 10 M. ELECTRICAL CONTRACTOR TO PROVIDE SUPPORTS AND LINE VOLTAGE WIRING/CONNECTIONS TO DRIVER, AND INSTALL DRIVER. ALL DRIVERS ARE PROVIDED WITH 0-10V DIMMING. ELECTRICAL CONTRACTOR TO PROVIDE 0-10V DIMMER AND DIMMING 2C PLENUM RATED CABLE TO DRIVERS AND CONNECT/TEST. INSTALL DIMMER AS SHOWN ON DRAWINGS.

GENERAL: WHEN THE PROJECT IS LOCATED IN NYC OR CHICAGO, SUPPLIER TO VERIFY PART NUMBERS BEFORE FURNISHING.
TENANT'S SUPPLIER TO PROVIDE WALL OCCUPANCY SENSORS, DIMMERS, AND/OR COMBINATION SENSORS/DIMMERS. SEE PLANS FOR EXACT QUANTITY.


DRIVERS FOR LOW VOLTAGE LIGHTS ABOVE CEILING
WALL MOUNTED LOW VOLTAGE LIGHT. DRIVER ABOVE CEILING.
RESTROOM
OS
SEE ARCH

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

Mark	Date	By
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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816-997-9601
F 816-997-9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582

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Seal

ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER PE-2012032391
DISCIPLINE LICENSE NUMBER

Title
TYPICAL TOILET ROOM & LIGHT FIXTURE SCHEDULE

Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E010

GENERAL NOTES

A. EMERGENCY (EM) LUMINAIRES THAT ARE NOT WIRED TO A CENTRAL INVERTER SYSTEM NOR SHOWN WITH "NL" SHALL BE CIRCUITED WITH AN "UNSWITCHED HOT" TO PROVIDE CONTINUOUS POWER TO BATTERY PACK EVEN WHEN LUMINAIRE IS OFF.

B. ALL NIGHT (NL) LUMINAIRES SHALL BE CIRCUITED AHEAD OF ANY SWITCHING

C. 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.

D. 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 NEXTORE PROJECT MANAGER FOR DIRECTION.

E. 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 NEXTORE PROJECT MANAGER FOR DIRECTION.

F. E.C. SHALL RELAMP ALL FIXTURES PRIOR TO STORE OPENING BUT NOT DURING HEAVY CONSTRUCTION PERIOD.

G. 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.

H. 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.

I. E.C.'S BID SHALL INCLUDE THE INSTALLATION OF ALL LUMINAIRES AND ASSOCIATED LAMPS FURNISHED BY NEXTORE. E.C. IS RESPONSIBLE TO ENSURE THE ADJUSTABILITY OF ALL DIRECTIONAL FIXTURES AFTER INSTALLATION AND SHALL AIM THE FIXTURES PER DIRECTION FROM G.C.

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

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

L. E.C. SHALL VERIFY THE VOLTAGE AND COMPATIBILITY OF ALL EQUIPMENT, FIXTURES AND MILLWORK PRIOR TO CONNECTION.

NOTE

EXISTING 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.

RECESSED LIGHT FIXTURES INSTALLED IN A PLENUM SPACE SHALL BE PLENUM RATED.

ENERGY CODE - COMMISSIONING

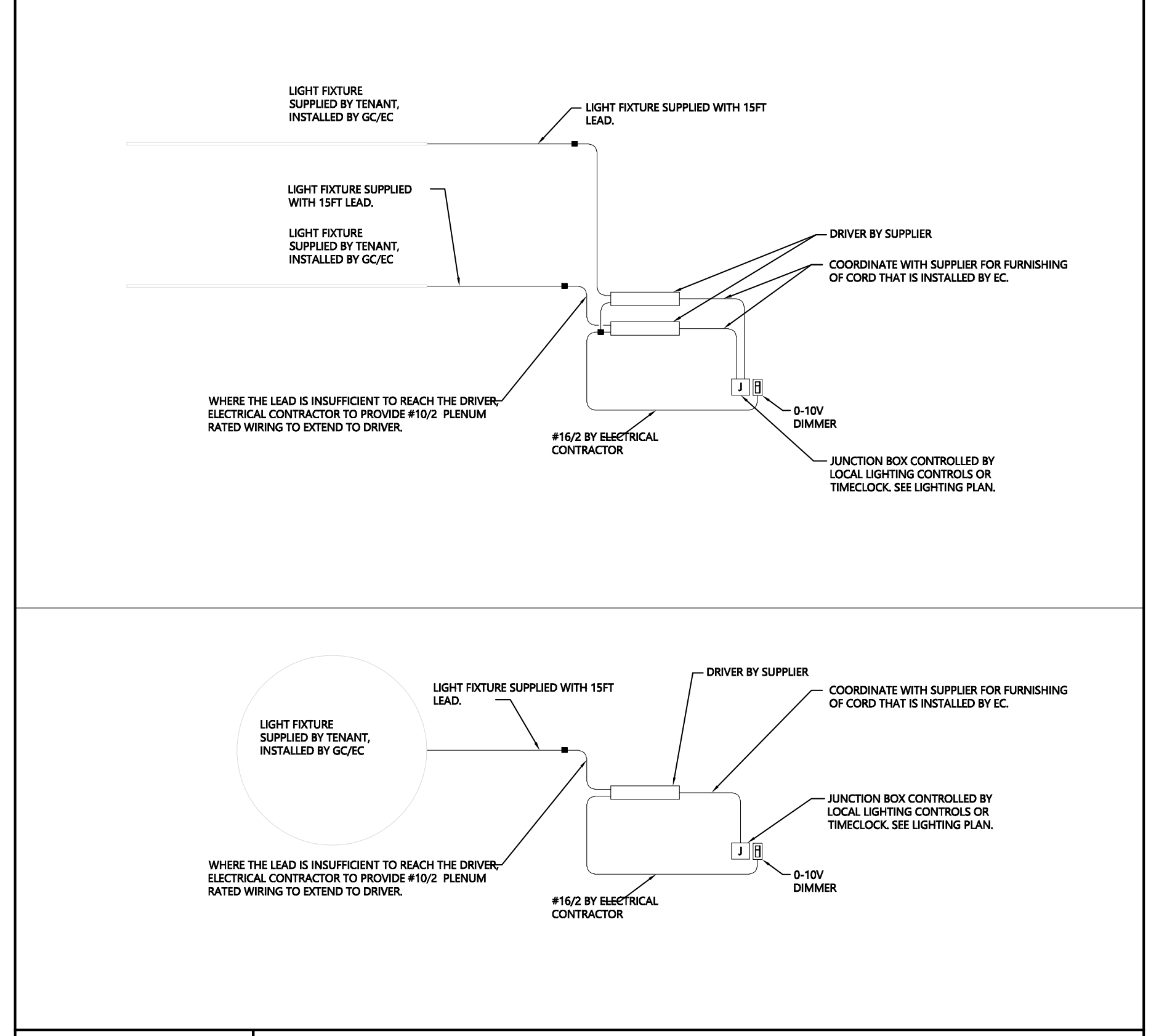
1. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE OFFICE AREA:
   - 1.1. OCCUPANCY SENSORS DETECT MOTION AND ENERGIZE THE LOCAL SWITCHING.
   - 1.2. OCCUPANCY SENSORS DE-ENERGIZE AFTER NO MOTION IS DETECTED AFTER A 30 MINUTE DELAY.
2. COMMISSIONING AGENT TO CONFIRM THE FOLLOWING IN THE SALES AREA: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

ELECTRICAL CONTRACTOR TO HIRE THIRD PARTY COMMISSIONING CONTRACTOR. FURNISH REPORT TO NEXTORE PROJECT MANAGER PRIOR TO FINAL PAYMENT.

E012 ENERGY CODE - COMMISSIONING SMALL PROJECTS

(XX) KEY NOTES - LIGHTING PLAN

1. CIRCUIT VIA MASTER LIGHTING SWITCH BANK. SEE DETAIL E033.
2. NEW LIGHTING SWITCH BANK. SEE DETAIL E033. IF LOCATION IS UNDESIRABLE, FIELD VERIFY EXACT LOCATION WITH NEXTORE PROJECT MANAGER PRIOR TO ROUGH-IN.
3. ROUTE UNSWITCHED CONNECTION TO EXIT SIGNS AND WHERE FIXTURES ARE SWITCHED, ROUTE ADDITIONAL POWER FROM THE SAME CIRCUIT AHEAD OF ALL SWITCHING FOR POWER LOSS SENSING.
4. PROVIDE OCCUPANCY SENSOR FOR AUTOMATIC SHUT OFF OF ROOM LIGHTING. SEE DETAIL E002.
5. PROVIDE INVERTER INDICATED BY TAG. REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION. CONNECT TO CIRCUIT SHOWN. COORDINATE INSTALLATION LOCATION WITH NEXTORE PROJECT MANAGER. SEE DETAIL E004.
6. CONNECT "EM" LIGHT FIXTURES TO INVERTER INDICATED TO PROVIDE EMERGENCY BACK UP POWER TO LIGHT FIXTURES. CONNECT TO SWITCHING AS SHOWN IN DETAIL E004.
7. PROVIDE TYPE "RP1" INVERTER FOR EMERGENCY BACK UP POWER TO TYPE "EM" LIGHT FIXTURE IN SAME ROOM. CONNECT TO CIRCUIT SHOWN. COORDINATE INSTALLATION LOCATION WITH NEXTORE PROJECT MANAGER. SEE DETAIL E004.
8. PROVIDE REMOTE DRIVER(S) FOR LOW VOLTAGE LIGHTING IN THIS AREA. PROVIDE JUNCTION BOX FOR HARD-WIRE ABOVE-CEILING CONNECTION, AND PROVIDE DRIVER IN ACCESSIBLE ENCLOSURES AS NECESSARY. SEE DETAIL ED059, THIS SHEET, FOR MORE INFORMATION.


LIGHT FIXTURE SUPPLIED BY TENANT, INSTALLED BY GC/EC
LIGHT FIXTURE SUPPLIED WITH 15FT LEAD.
LIGHT FIXTURE SUPPLIED WITH 15FT LEAD.
LIGHT FIXTURE SUPPLIED BY TENANT, INSTALLED BY GC/EC
DRIVER BY SUPPLIER
COORDINATE WITH SUPPLIER FOR FURNISHING OF CORD THAT IS INSTALLED BY EC.
WHERE THE LEAD IS INSUFFICIENT TO REACH THE DRIVER, ELECTRICAL CONTRACTOR TO PROVIDE #10/2 PLENUM RATED WIRING TO EXTEND TO DRIVER.
#16/2 BY ELECTRICAL CONTRACTOR
J
0-10V DIMMER
JUNCTION BOX CONTROLLED BY LOCAL LIGHTING CONTROLS OR TIMECLOCK. SEE LIGHTING PLAN.
LIGHT FIXTURE SUPPLIED BY TENANT, INSTALLED BY GC/EC
LIGHT FIXTURE SUPPLIED WITH 15FT LEAD.
DRIVER BY SUPPLIER
COORDINATE WITH SUPPLIER FOR FURNISHING OF CORD THAT IS INSTALLED BY EC.
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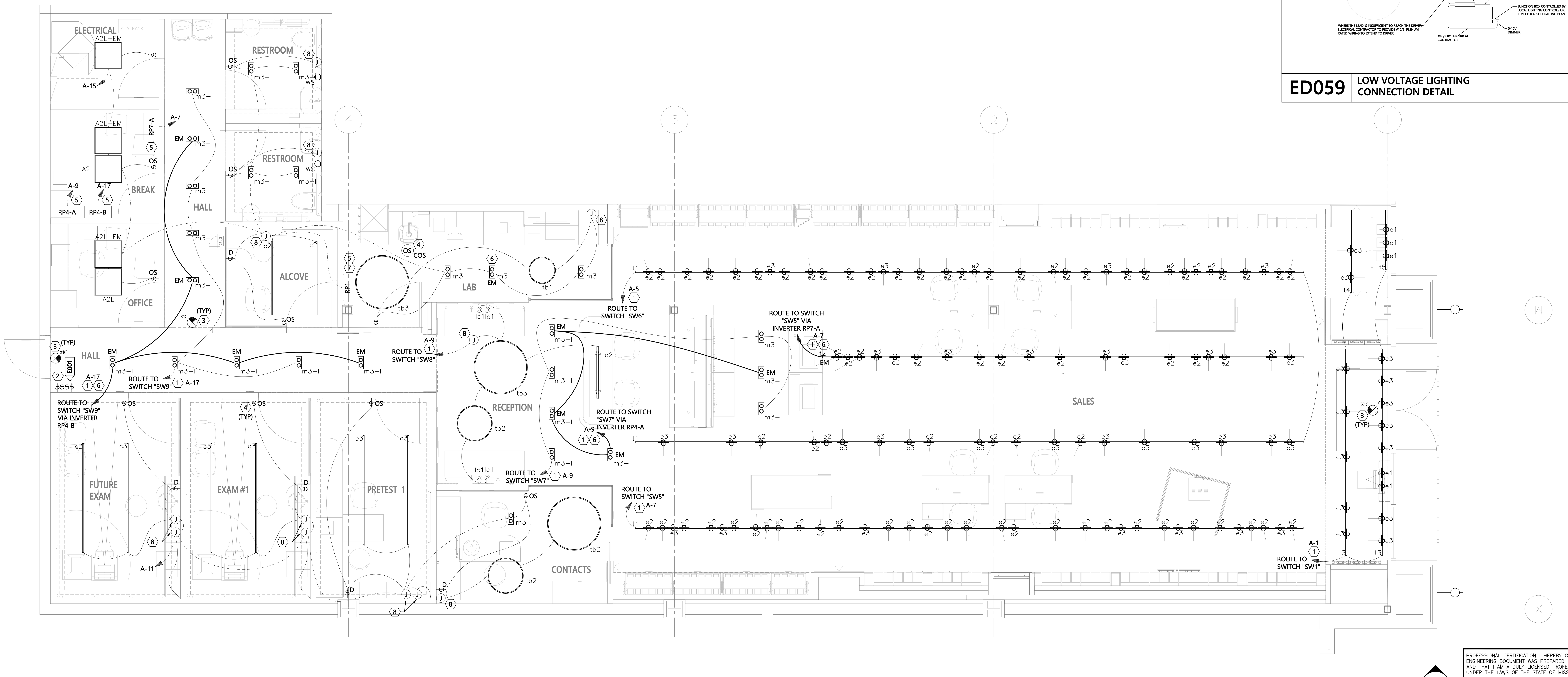
WHERE THE LEAD IS INSUFFICIENT TO REACH THE DRIVER, ELECTRICAL CONTRACTOR TO PROVIDE #10/2 PLENUM RATED WIRING TO EXTEND TO DRIVER.
#16/2 BY ELECTRICAL CONTRACTOR
0-10V DIMMER

ED059 LOW VOLTAGE LIGHTING CONNECTION DETAIL


ELECTRICAL
DATA RACK
A2L–EM
A-15
RESTROOM
OS
m3–I
WS
8
J
A-7
RP7-A
5
EM
A2L
BREAK
A-9
A-17
RP4-A
RP4-B
HALL
OFFICE
ALCOVE
D
c2
OS
COS
4
7
RP1
LAB
m3
tb1
tb3
6
X1C
3
(TYP)
E001
2
$$$$
1
ROUTE TO SWITCH "SW9"
ROUTE TO SWITCH "SW9" VIA INVERTER RP4-B
ROUTE TO SWITCH "SW8"
A-5
ROUTE TO SWITCH "SW6"
lc1
lc2
RECEPTION
tb2
ROUTE TO SWITCH "SW7" VIA INVERTER RP4-A
ROUTE TO SWITCH "SW7"
ROUTE TO SWITCH "SW5"
ROUTE TO SWITCH "SW5" VIA INVERTER RP7-A
FUTURE EXAM
EXAM #1
PRETEST 1
c3
A-11
CONTACTS
SALES
t1
t2
t3
t4
t5
e1
e2
e3
A-1
ROUTE TO SWITCH "SW1"
4
3
2
1
W
X

① ELECTRICAL - LIGHTING

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

NORTH

TRUE

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

NAME: ADRIAN T FRANKS

DISCIPLINE: ELECTRICAL ENGINEER

LICENSE NUMBER: PE–2012032391

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE

LUXOTTICA

4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000

6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643

SUMMITWOODS CROSSING

1700 NW CHIPMAN RD

LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS

A Subsidiary of the Luxottica Group

4000 Luxottica Place Mason, Ohio 45040

Revisions:

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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582

T 816–997–9601
F 816–997–9602
DialecticEng.com

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Seal

ADRIAN T. FRANKS
NUMBER
PE-2012032391

10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:

☐ Construction

Title

ELECTRICAL LIGHTING PLAN

Date 10/01/21

Drawn By JKS

Checked By ATF

Sheet E200

EQUIPMENT FEEDER SCHEDULE

EQUIPMENT MARK	VOLTAGE–PHASE	PANEL – CIRCUIT(S)	MOCP	FEEDER		DISCONNECT					REMARKS
				CONDUCTOR & GROUND	PIPE	PROVIDER	AMPERAGE	POLES	FUSES	NEMA	
RTU–1	208V–3P	A–2,4,6	80A	(3)#4 & (1)#8G	1–1/4"	INTEGRAL	–	–	NF	–	–
RTU–2	208V–3P	A–8,10,12	45A	(3)#8 & (1)#10G	3/4"	INTEGRAL	–	–	NF	–	–
EF–1	120V–1P	A–14	15A	(2)#12 & (1)#12G	1/2"	INTEGRAL	–	–	NF	–	VIA "C1"
EF–2	120V–1P	A–16	15A	(2)#12 & (1)#12G	1/2"	INTEGRAL	–	–	NF	–	VIA "C1"
WH	208V–1P	A–22,24	40A	(2)#8 & (1)#10G	3/4"	CONTRACTOR	60A	2	NF	1	–
RP1	120V–1P	A–26	20A	(2)#12 & (1)#12G	1/2"	CONTRACTOR	20A	–	–	–	NEMA 5–20R

EQUIPMENT FEEDER GENERAL NOTES

A. DISCONNECT SWITCHES FOR 120V OR 277V EQUIPMENT UNDER 30 AMPS SHALL BE MOTOR RATED TOGGLE SWITCHES.

B. CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.

C. COORDINATE EXACT ROUGH–IN LOCATIONS PRIOR TO START OF CONSTRUCTION.

D. ALL MULTI–VOLT DISCONNECT SWITCHES PROVIDED BY THIS CONTRACTOR SHALL COME WITH A NEUTRAL AND GROUND LUG KIT.

FLOOR BOXES

FINISH (##): ☒ ALUMINUM ☐ BRASS ☐ BLACK ☐ GRAY

	AS REFERENCED ON THE PLAN SHEETS	
	RECESSED	FURNITURE
FLOOR BOX	SYSTEMONE FLOOR BOX HUBBELL CFBS1R4PFB W/CUP	SYSTEMONE FLOOR BOX HUBBELL S1PFB
SUB PLATES	SYSTEMONE SUB-PLATE S1R4SP2X2DUPLEX	SYSTEMONE SUB-PLATE HUBBELL S1SPFF##
COVER / FLANGE	CFBS1R4CVR## (CARPET)	

POKE THRU FITTINGS

FINISH (##): ☒ ALUMINUM ☐ BRASS ☐ BLACK ☐ GRAY

	AS REFERENCED ON THE PLAN SHEETS	
	RECESSED	FURNITURE
POKE THRU FITTING	WIREMOLD EVOLUTION 6AT SERIES POKE THRU	S1PTFIT POKE THRU
SUB PLATES	TWO DUPLEX RECEPTACLES AND UP TO FOUR DATA OUTLETS	SYSTEMONE SUB-PLATE HUBBELL S1SPFF##
COVER / FLANGE	6CTC2## (CARPET) / 6CT2## (TILE)	

E008 **LC05 FLOOR BOX / POKE THRU SCHEDULE**

⟨XX⟩ KEY NOTES - ELECTRICAL PLAN

A. PROVIDE CONNECTION TO DUCT SMOKE DETECTOR TO SMOKE DETECTION MONITORING PANEL. TIE SMOKE DETECTOR INTO EXISTING FIRE ALARM SYSTEM. COORDINATE ALL REQUIREMENTS WITH LANDLORD AND NEXTORE PROJECT MANAGER. PANEL TO BE PROVIDED BY THE EC AND INCLUDE A DIALER UNLESS IF THESE FUNCTIONS ARE NOT ALREADY PROVIDED BY EXISTING FIRE ALARM SYSTEM.
B. PROVIDE RECESSED FLOOR BOX FOR POWER AND DATA. POWER TO BE UNSWITCHED.
C. PROVIDE RECESSED FLOOR BOX. ONE OUTLET TO BE SWITCHED, ONE OUTLET TO BE UNSWITCHED.
D. PROVIDE RECESSED FLOOR BOX FOR POWER AND DATA. ONE OUTLET TO BE SWITCHED, ONE OUTLET TO BE UNSWITCHED.
E. HOMERUN TO THROUGH CONTACTORS CONTROLLED BY TIMECLOCK. SEE DETAIL E033.
F. PROVIDE POWER TO EYEGLASS DISPLAY SIGN.
G. PROVIDE WIRING FOR TENANT INSTALLED SURVEILLANCE EQUIPMENT. SEE DETAIL E005.
H. EC SHALL PROVIDE A-CAT6 DATA CABLE FROM TELEPHONE BOARD TO 24" ABOVE CEILING FOR CONNECTION TO WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH PROJECT MANAGER PRIOR INSTALLATION.
I. 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.
J. PROVIDE POWER AND TELE/DATA STUB UPS BELOW CASH DESK. PROVIDE DEVICES AND DEVICE QUANTITIES AS SPECIFIED IN FIXTURE CUT SHEETS PROVIDED BY FURNITURE MANUFACTURER.
K. DOOR STROBE/BELL SYSTEM IS COMPRISED OF (3) COMPONENTS. (1) SERVICE DOOR PUSH-BUTTON, (1) STROBE/BELL LOCATED ABOVE GENERAL MANAGER'S (GM) DESK AT AN ELEVATION OF 8'-0", AND (1) TRANSFORMER LOCATED NEXT TO STROBE/BELL. SEE DETAIL E006.
L. PROVIDE CORE DRILLING OR TRENCHING (AS APPLICABLE) FOR POWER AND TELE/DATA. E.C. SHALL VERIFY ALL CORE DRILLING 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.
M. G.C. SHALL PAINT SHOW WINDOW RECEPTACLES TO MATCH ADJACENT FINISHES.
N. PROVIDE A RECESSED CLOCK STYLE OUTLET BOX FOR THE RECEPTACLE AND DATA OUTLET AT THE LED WALL. VERIFY EXACT MOUNTING LOCATION WITH NEXTORE PROJECT MANAGER PRIOR TO INSTALLATION.
O. PROVIDE JUNCTION BOX AND DISCONNECT SWITCH FOR 20A SIGNAGE CIRCUIT. SWITCH SHALL SHUT-OFF SIGNAGE CIRCUIT. LABEL SWITCH FOR WHAT IT SERVES. DISCONNECT SWITCHES SHALL BE LOCATED ABOVE CEILING IN AN ACCESSIBLE AREA IN THE BACK OF THE STORE OR AT AN ACCESS PANEL LOCATION AND GROUPED TOGETHER.
P. INSTALL LEVITON LOW PROFILE RECESSED ENTERTAINMENT BOX AT LOCATION INDICATED ON ARCHITECTURAL ELEVATION FOR SUPPLY TO DIGITAL EYE CHART. EXACT DIMENSION IS CRITICAL. PROVIDE THE DEVICES INDICATED . PROVIDE ALSO A 1 1/2" CONDUIT FROM BOX TO JUNCTION BOX UNDER THE EXAM DESK.
Q. SOUND SYSTEM SPEAKER. SPEAKERS, WIRING AND ACCESSORIES ARE SUPPLIED AND INSTALLED BY THE SOUND SYSTEM VENDOR. COORDINATE WORK WITH THE VENDOR PRIOR TO CEILING INSTALLATION. SEE DETAIL E007.
R. PROVIDE NEC 517 REDUNDANT GROUNDING FOR RECEPTACLES AND SWITCHES/DIMMERS IN THIS ROOM. PROVIDE BONDING TO ALL METAL PARTS OF THE RACEWAY SYSTEM TO ENSURE THAT THE RACEWAY SYSTEM ACTS AS A GROUNDING PATH, AND PROVIDE A SEPARATE GROUNDING CONDUCTOR. BOND THE CONDUCTOR AND THE RACEWAY TO THE RECEPTACLES TO CREATE A REDUNDANT PATH TO GROUND. USE HOSPITAL GRADE MC CABLE WHEN MC CABLE IS THE WIRING METHOD USED.
S. INSTALL OWNER FURNISHED AUDIO SYSTEM INCLUDING CABLE, BACK BOXES, 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.
T. PROVIDE COMMUNICATIONS RACK AT TELEPHONE BOARD. SEE DETAIL LC002.
U. TELEPHONE TERMINAL BOARD: 4'x8'x3/4" FIRE RATED PLYWOOD, MOUNT TIGHT TO THE CEILING. PROVIDE PHONE BOARD FOR RETAIL SALES SIDE OF SPACE AND DOCTORS/REFRACTION SIDE OF SPACE. SEE DETAIL LC003.
V. PROVIDE POWER TO OAKLEY ILLUMINATED SIGN.
W. PROVIDE POWER TO RAYBAN ILLUMINATED SIGN.
X. CONVENIENCE RECEPTACLE FINISH TO MATCH ADJACENT WALL FINISH AS CLOSE AS POSSIBLE. SALES FLOOR RECEPTACLES ARE TO USE THE LEVITON RENU SYSTEM. VERIFY COLOR WITH NEXTORE PROJECT MANAGER FROM STANDARD PALETTE. TYPICAL OF ALL SALES FLOOR RECEPTACLES.
Y. PROVIDE DEVICE RING AND CLOCK STYLE OUTLET AT 76" AFF FOR MONITOR.
Z. ROUTE PLENUM RATED HDMI CABLE FROM BOX TO BOX, OVER CEILING AND IN WALL. PROVIDE IN CONDUIT WHERE REQUIRED BY THE JURISDICTION.
AA. PROVIDE DEVICE RING AT 17" AFF FOR HDMI CABLE.
AB. PROVIDE RECEPTACLE AT ROOF TOP UNIT/ ROOF-MOUNTED EXHAUST FAN FOR MAINTENANCE.

COORDINATION NOTES

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

C02. DO NOT PURCHASE FLOOR BOXES WITHOUT FIRST VERIFYING FINISH (FROM MANUFACTURER'S STANDARD) FOR A PARTICULAR BOX IN A PARTICULAR LOCATION.
CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

NOTE

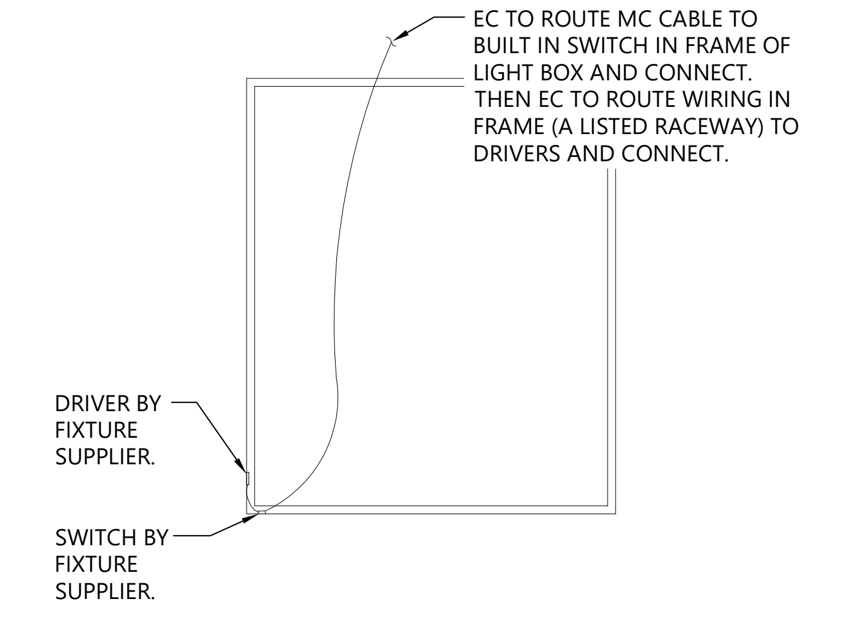
CIRCUITS WERE TAKEN FROM PICTURES OF THE ELECTRICAL PANEL DIRECTORY CARDS. ELECTRICAL CONTRACTOR SHALL REVISE CIRCUITS SHOWN ON THESE PLANS TO WORK WITH EXISTING CIRCUITS THAT MAY EXIST IN THE AREA AS WELL AS CIRCUITS THAT ARE TO REMAIN POWERING EXISTING EQUIPMENT.

ALL OUTLETS ON THE SALES FLOOR TO BE BENCH PAINTED TO MATCH ADJACENT FINISH COLOR. DO NOT PAINT CURRENT CARRYING PORTION OF THE OUTLETS. ADDITIONALLY, SWITCHED OUTLETS TO BE LABELED WITH CLEAR LABELS, $\frac{1}{4}$" HIGH BLACK LETTERS WITH THE WORD "SWITCHED".

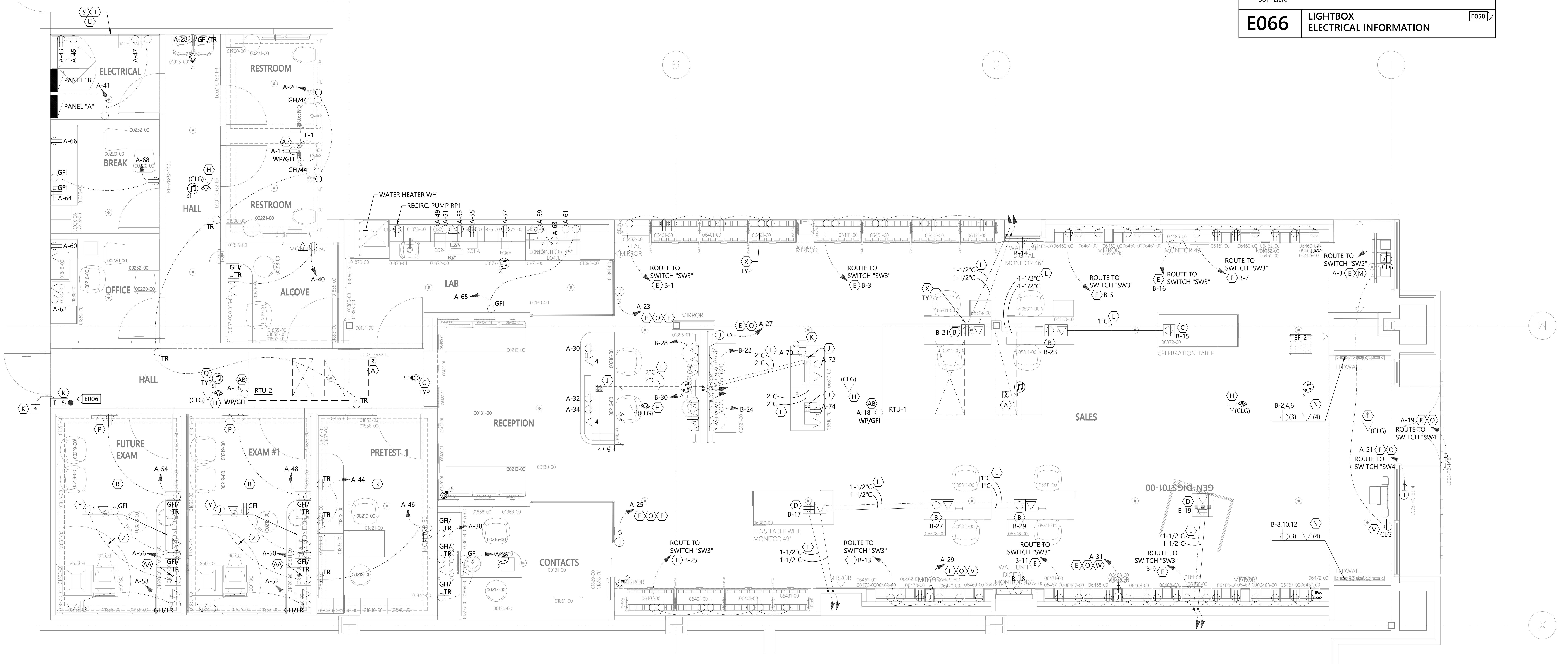
DO NOT INSTALL JUNCTION BOXES (WITH OR WITHOUT COVERS) VISIBLE TO THE PUBLIC IN THE SALES AND PUBLIC BACK OF HOUSE AREAS. IF THIS IS DONE, THE GC IS REQUIRED TO REMOVE THE JUNCTION BOX AT HIS/HER EXPENSE.

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.


EC TO ROUTE MC CABLE TO BUILT IN SWITCH IN FRAME OF LIGHT BOX AND CONNECT. THEN EC TO ROUTE WIRING IN FRAME (A LISTED RACEWAY) TO DRIVERS AND CONNECT.
DRIVER BY FIXTURE SUPPLIER.
SWITCH BY FIXTURE SUPPLIER.

E066 **LIGHTBOX ELECTRICAL INFORMATION** E050



1 ELECTRICAL - POWER/SYSTEMS

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

NORTH
TRUE

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ADRIAN T FRANKS
NAME:
ELECTRICAL ENGINEER PE–2012032391
DISCIPLINE LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

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Dialectic ENGINEERING
Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
T 816–997–9601
F 816–997–9602
DialecticEng.com
Missouri Certificate of Authorization Number 1582
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Seal
ADRIAN T. FRANKS
NUMBER PE-2012032391
10/04/2021

Architect Job No.: LUX-305

Nextore Store Design Revision No.:

REV 06

Nextore project Number 84169

Brand Design Type: LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
ELECTRICAL POWER/SYSTEMS PLAN

Date 10/01/21
Drawn By JKS
Checked By ATF
Sheet E201

FIRE PROTECTION NOTES AND SPECIFICATIONS

SCOPE:
OVERVIEW: THE WORK SHOWN ON THIS DRAWING IS REFLECTING THE GENERAL SCOPE OF WORK FOR THE FIRE PROTECTION CONTRACTOR. ACTUAL AND FINAL DESIGN, INCLUDING ANY SUBMITTALS AND ALL RELATED COSTS, ARE TO BE BORNE BY THE FIRE PROTECTION CONTRACTOR.

THE SCOPE OF THIS INSTALLATION IS TO MODIFY THE EXISTING SPRINKLER SYSTEM THROUGHOUT THE TENANT SPACE AND INSTALL NEW SPRINKLER HEADS FOR THIS TENANT FROM THE EXISTING DISTRIBUTION SYSTEM. DURING BIDDING, VISIT PROJECT FACILITY AND REVIEW THE DRAWINGS FOR ALL OTHER TRADES TO DETERMINE EXISTING CONDITIONS AND THE SCOPE AND EXTENT OF THE REQUIRED WORK. REFER TO SPECIFICATIONS FOR ADDITIONAL CRITERIA. HEADS SHOWN ON DRAWINGS ARE SCHEMATIC ONLY. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR THE EXACT PLACEMENT AND CODE COMPLIANCE. COORDINATE WITH ALL OTHER TRADES.

WHERE APPLICABLE, ALL PIPING SHALL BE CONCEALED ABOVE HUNG CEILINGS AND WITHIN CHASES AND FURRED-IN PASSAGES. PIPING AND SPRINKLER HEADS SHALL BE COORDINATED WITH LIGHTS, DUCTS, ETC. NO STRUCTURAL MEMBER SHALL BE CUT OR DRILLED WITHOUT FIRST OBTAINING WRITTEN PERMISSION FROM THE ENGINEER OR OWNER'S REPRESENTATIVE.

OBTAIN AND PAY FOR ALL NECESSARY PERMITS, APPROVALS, INSPECTIONS AND TESTS ASSOCIATED WITH THIS WORK. PROVIDE SHOP DRAWINGS AND HYDRAULIC CALCULATIONS AS REQUIRED FOR APPROVALS FROM STATE AND LOCAL AUTHORITIES. OBTAIN ALL APPROVALS PRIOR TO UNDERTAKING ANY WORK.

PROVIDE ALL REQUIRED SIGNS. PROVIDE ALL REQUIRED SYSTEM ACCESSORIES.

DURING BIDDING, THE CONTRACTOR SHALL MEET WITH THE LOCAL FIRE DEPARTMENT AND LANDLORD TO REVIEW ALL DRAWINGS AND TO DETERMINE THE CRITERIA AND ALL RELATED DETAILS AS REQUIRED TO MEET THE APPROVAL OF THE FIRE DEPARTMENT FOR THE DESIGN AND INSTALLATION OF THE SPRINKLER SYSTEM AND COVERAGE. CONTRACTORS FAILURE TO VERIFY REQUIREMENTS AND CRITERIA DURING BIDDING SHALL NOT RELIEVE THE CONTRACTOR OF COMPLYING WITH THE CRITERIA WITHOUT ADDITIONAL COST TO THE OWNER.

ALL FIRE PROTECTION WORK SHALL BE GOVERNED BY ALL APPLICABLE PORTIONS OF THE SPECIFICATIONS.

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.

SPRINKLER SYSTEM SHALL BE ENGINEERED BY INDIVIDUAL QUALIFIED BY THE STATE.

ALL SPRINKLER HEADS LOCATED IN CEILING TILE SHALL BE CENTERED IN 2X2 TILE.

BUILDING IS MERCANTILE OCCUPANCY.

ACCEPTANCE TESTING SHALL INCLUDE:
- HYDRO-TESTING OF PIPING AT 200 PSI FOR 2 HOURS.
- OPERATIONAL TEST OF FLOW SWITCH, VIA THE INSPRS TEST CONNECTION.
- OPERATIONAL TEST OF TAMPER SWITCHES.
- MAIN DRAIN TEST
- OPERATIONAL TEST OF CONTROL VALVES, WHILE UNDER SYSTEM PRESSURE.

PENETRATIONS OF FIRE RATED ASSEMBLIES TO BE FIRE-CAULKED PER AN UL LISTED DETAIL, TO BE SHOWN ON THE SHOP DWGS.

DESIGN APPROACH:
INDICATE A HYDRAULICALLY CALCULATED FIRE PROTECTION SPRINKLER SYSTEM IN ACCORDANCE WITH LANDLORD'S INSURANCE UNDERWRITERS FIRE RATING INSPECTION BUREAU AND ALL CODES. SUBMIT SHOP DRAWINGS. VERIFY AVAILABLE WATER SUPPLY STATIC, RESIDUAL PSI, AND GPM OF FLOW NUMBERS WITH MALL OPERATIONS DIRECTOR PRIOR TO BID

PIPING TO BE STEEL WITH COMPATIBLE FITTINGS PER NFPA 13. USE SCH-40 FOR BRANCHLINES, AND SCH-10 FOR MAINS. OTHER DEVICES AND MATERIALS TO BE PER NFPA 13.

THE LANDLORD REQUIRES NOTICE PRIOR TO PERFORMING WORK ON THE EXISTING SPRINKLER SYSTEM. SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH LANDLORD AND FOR ALL ASSOCIATED COSTS WITH DRAIN DOWNS AND REFILLING OF THE SPRINKLER SYSTEM.

LANDLORD'S SPRINKLER CONTRACTOR MUST BE USED FOR ALL SPRINKLER & ASSOCIATED WORK. COORDINATE WITH GC. FOR INSTALLER INFO.

VERIFY ALL CONDITIONS IN FIELD PRIOR TO BIDS.

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

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

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

LAYOUT OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION WORK SHALL BE CAREFULLY PLANNED AND COORDINATED WITH EACH OTHER AND ARCHITECTURAL REFLECTED CEILING PLANS TO ENSURE THAT CEILING HEIGHTS INDICATED WILL BE MAINTAINED. NOTIFY ARCHITECT IN ADVANCE IF POTENTIAL CONFLICTS MAY EXIST. MODIFICATIONS TO WORK IN PLACE DUE TO FAILURE TO PROPERLY COORDINATE LAYOUTS WITH OTHER TRADES SHALL BE AT THE CONTRACTORS EXPENSE.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHALL AND RECEIVE THEIR APPROVAL BEFORE ANY INSTALLATION CAN BEGIN. APPROVED DRAWINGS MUST BE AT THE JOB SITE DURING CONSTRUCTION. PROVIDE A COPY OF THE APPROVAL LETTER TO THE ARCHITECT.

SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND THE LOCAL FACTORY MUTUAL OFFICE TO RECEIVE THEIR APPROVAL BEFORE START OF INSTALLATION. APPROVED DRAWINGS SHALL BE AT THE JOBSITE DURING CONSTRUCTION.

PLUMBING, HEATING AND ELECTRICAL CONTRACTOR TO COORDINATE EQUIPMENT, DUCT, PIPING, AND CONDUIT INSTALLATIONS TO ASSURE PROPER CLEARANCES AND NEEDED ROOM TO INSTALL RESPECTIVE SYSTEMS. ALL CONTRACTORS TO COORDINATE PIPE PENETRATIONS THROUGH WALLS AND ROOF, PATCH TO MEET CODES.

ALL EQUIPMENT INSTALLATIONS, INCLUDING RELATED DUCTS, PIPING, VENTS, WIRING, CONTROLS, VALVES, ETC., SHALL COMPLY WITH NATIONAL ELECTRICAL CODE (NEC) ARTICLE 110, PARA. 110-16, SUB. a., AND ARTICLE 384, PAR. 384-4. EACH DISCIPLINE SHALL BE RESPONSIBLE FOR THE PROVISIONS SET FORTH IN THE ABOVE NEC ARTICLES.

FIELD VERIFY ALL CONDITIONS

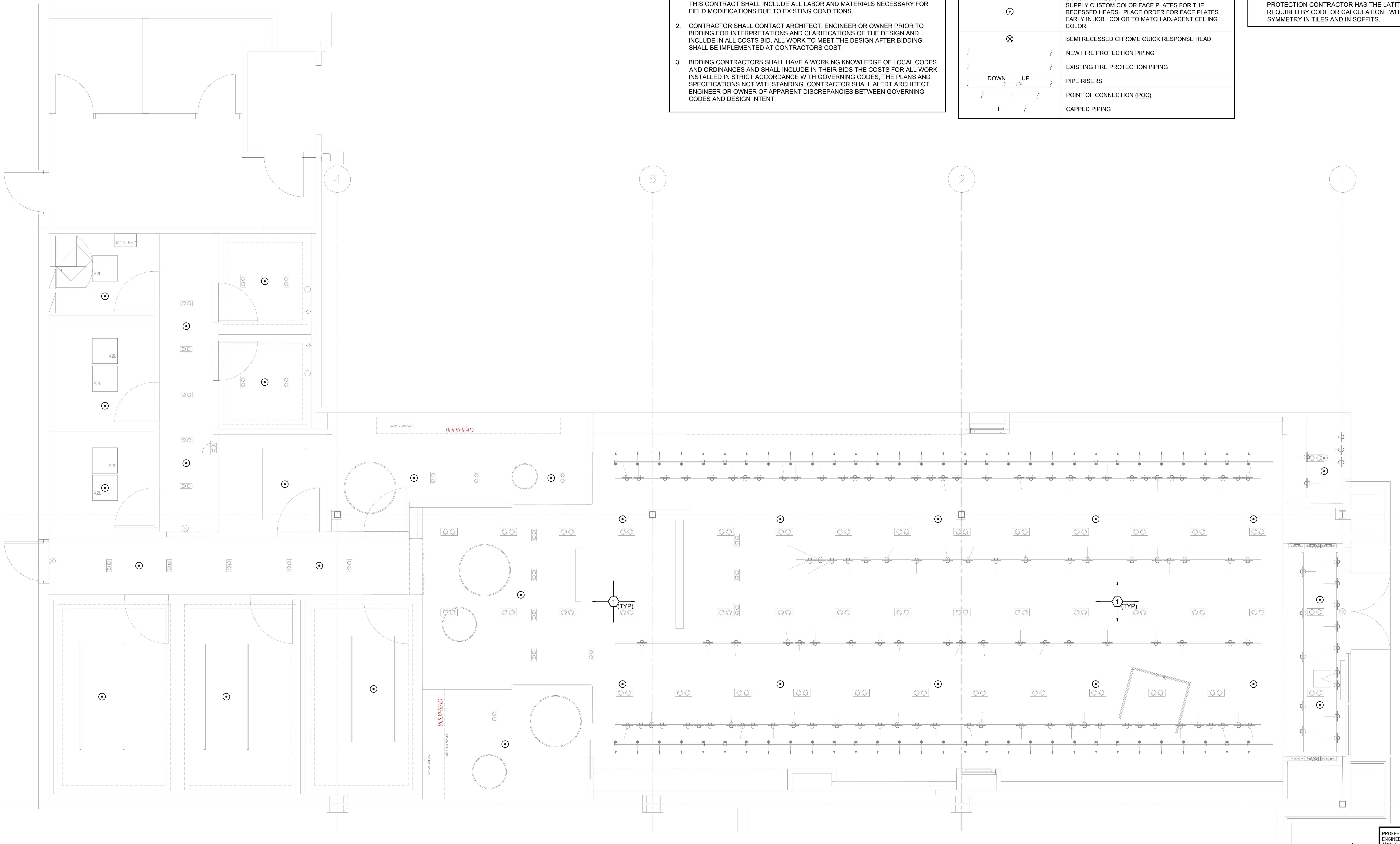
1. DESIGN DRAWINGS ARE SCHEMATIC. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.
2. CONTRACTOR SHALL CONTACT ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN ALL COSTS BID. ALL WORK TO MEET THE DESIGN AFTER BIDDING SHALL BE IMPLEMENTED AT CONTRACTORS COST.
3. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

FIRE PROTECTION LEGEND

SYMBOL	DESCRIPTION
⊙	CONCEALED QUICK RESPONSE HEAD SUPPLY CUSTOM COLOR FACE PLATES FOR THE RECESSED HEADS. PLACE ORDER FOR FACE PLATES EARLY IN JOB. COLOR TO MATCH ADJACENT CEILING COLOR.
⊗	SEMI RECESSED CHROME QUICK RESPONSE HEAD
———	NEW FIRE PROTECTION PIPING
———	EXISTING FIRE PROTECTION PIPING
DOWN UP	PIPE RISERS
—┼—	POINT OF CONNECTION (POC)
[——	CAPPED PIPING

KEY NOTES

1. 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.



1 FIRE PROTECTION - PLAN
SCALE: 1/4" = 1'-0"

NORTH
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PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI

ROBERT HARRIS
NAME:
MECHANICAL ENGINEER
DISCIPLINE
PE-2007025514
LICENSE NUMBER

DESIGN & CONSTRUCTION MANAGEMENT:

NEXTORE
LUXOTTICA
4000 Luxottica Place, Mason, OH 45040 · +1 (513) 765-6000
6 Creamery Brook, East Granby, CT 06026 · +1 (860) 431-9700

STORE # 1643
SUMMITWOODS CROSSING
1700 NW CHIPMAN RD
LEE'S SUMMIT, MO 64081

Construction for:

LENSCRAFTERS
A Subsidiary of the Luxottica Group
4000 Luxottica Place Mason, Ohio 45040

Revisions:

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Dialectic ENGINEERING

Dialectic, Inc.
310 W 20th Street, Suite 200
Kansas City, MO 64108
Missouri Certificate of Authorization Number 1582
T 816-997-9601
F 816-997-9602
DialecticEng.com

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Seal

ROBERT A. HARRIS
NUMBER PE-2007025514
10·04·21

Architect Job No.: LUX-305

Nextore Store Design Revision No.:
REV 06

Nextore project Number 84169

Brand Design Type:
LC06 AUGNORM

ISSUED FOR:
☐ Construction

Title
FIRE PROTECTION PLAN

Date 10/01/21
Drawn By ATL
Checked By NRP
Sheet FP200