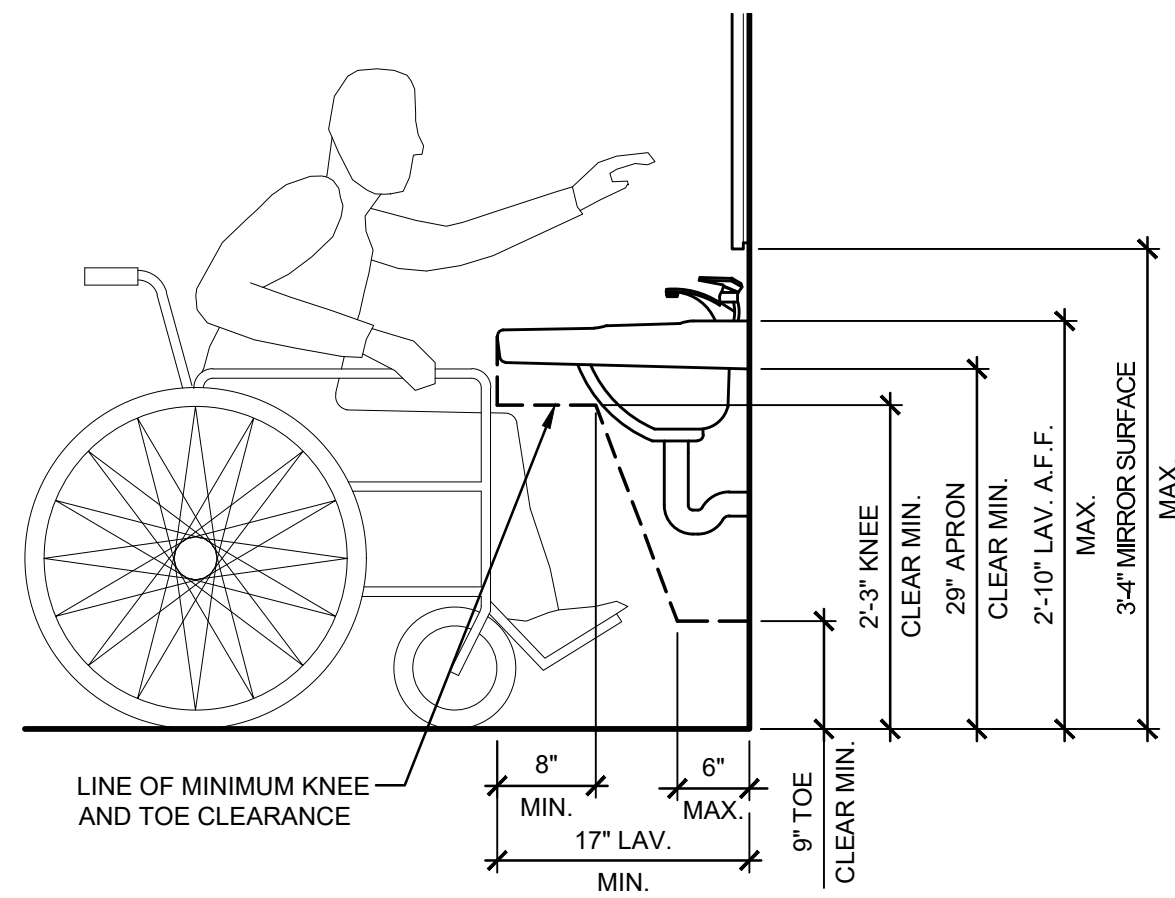
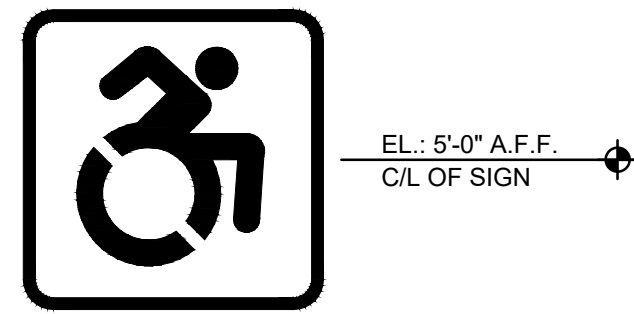


6 ACCESSIBLE DRINKING FOUNTAIN
 G101 SCALE: 1/2"=1'-0"



3

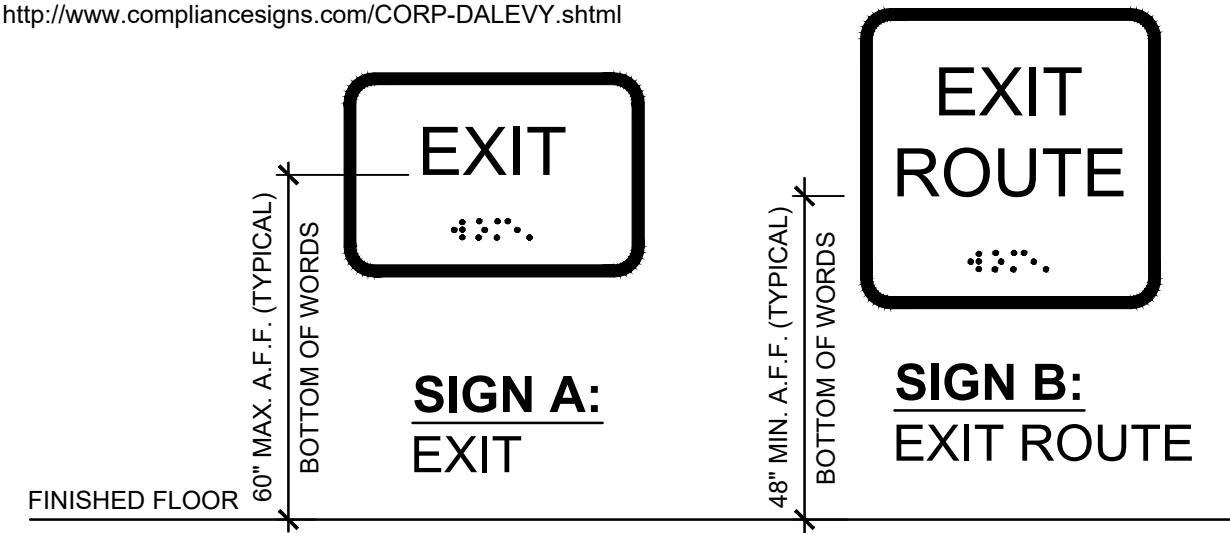


5 ACCESSIBLE IDENTIFICATION SIGN
 G101 SCALE: 3"=1'-0"

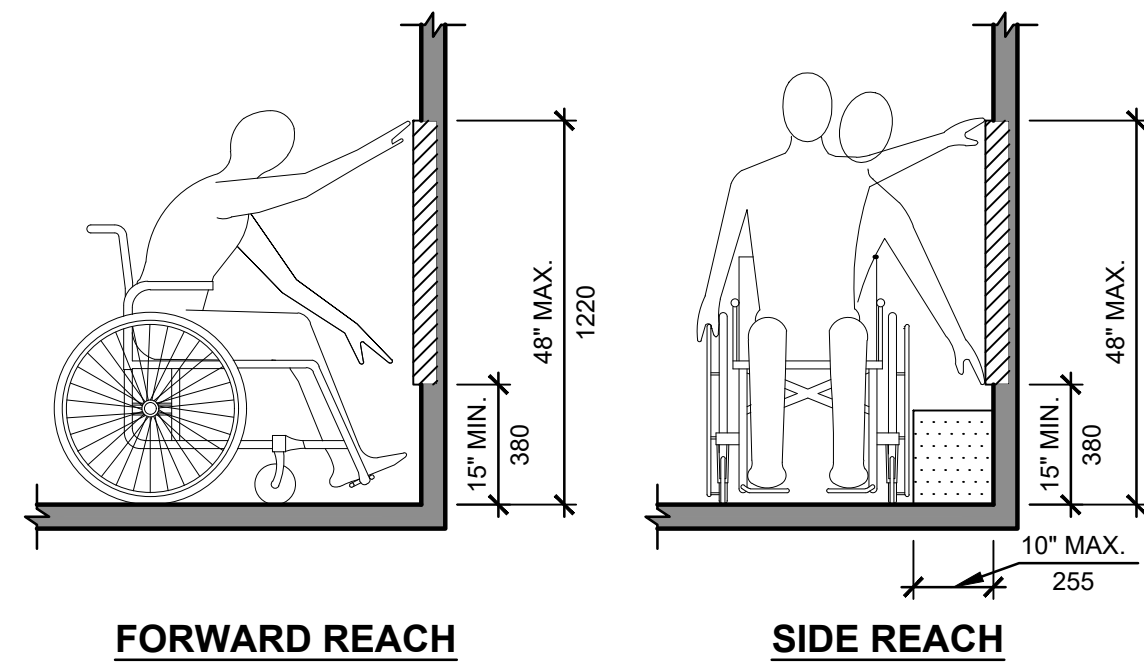


2 TOILET ROOM SIGNAGE
 G101 SCALE: 3"=1'-0"

SIGN MANUFACTURER:
 COMPLIANCE SIGNS.COM
 56 SOUTH MAIN STREET
 CHADWICK, IL 61014
 PH: (800) 578-1245
 FAX: (800) 578-1246
 http://www.compliancesigns.com/CORP-DALEVY.shtml



4 TACTILE SIGNS
 G101 SCALE: 3"=1'-0"



1 ACCESSIBLE REACH RANGES
 G101 SCALE: 1/2"=1'-0"

EMERGENCY LIGHT / EXIT SIGN LEGEND

	EJC-G	EXIT SIGN WITH BATTERY BACK-UP. REFER TO ELECTRICAL DRAWINGS
	EEW-G	EXIT SIGN / EMERGENCY LIGHT COMBO WITH BATTERY BACK-UP. REFER TO ELECTRICAL DRAWINGS
	EHC	EMERGENCY LIGHT WITH BATTERY BACK-UP. REFER TO ELECTRICAL DRAWINGS
	F4-EM	EMERGENCY LIGHT. REFER TO ELECTRICAL DRAWINGS

LIFE SAFETY PLAN KEY NOTES

1 FIRE EXTINGUISHERS MUST BE INSTALLED BY G.C. LIGHT HAZARD OCCUPANCIES REQUIRE "2A10BC" FIRE EXTINGUISHERS. THE MAXIMUM COVERAGE AREA IS 3,000 SQ. FT. PER EXTINGUISHER AND THE MAXIMUM TRAVEL DISTANCE IS 75'. MOUNT THE FIRE EXTINGUISHER IN A VISIBLE AND ACCESSIBLE LOCATION, 36" TO 48" ABOVE THE FINISH FLOOR TO THE HANDLE. BUILDINGS WITH MULTIPLE FLOORS MUST HAVE AT LEAST ONE FIRE EXTINGUISHER PER FLOOR.

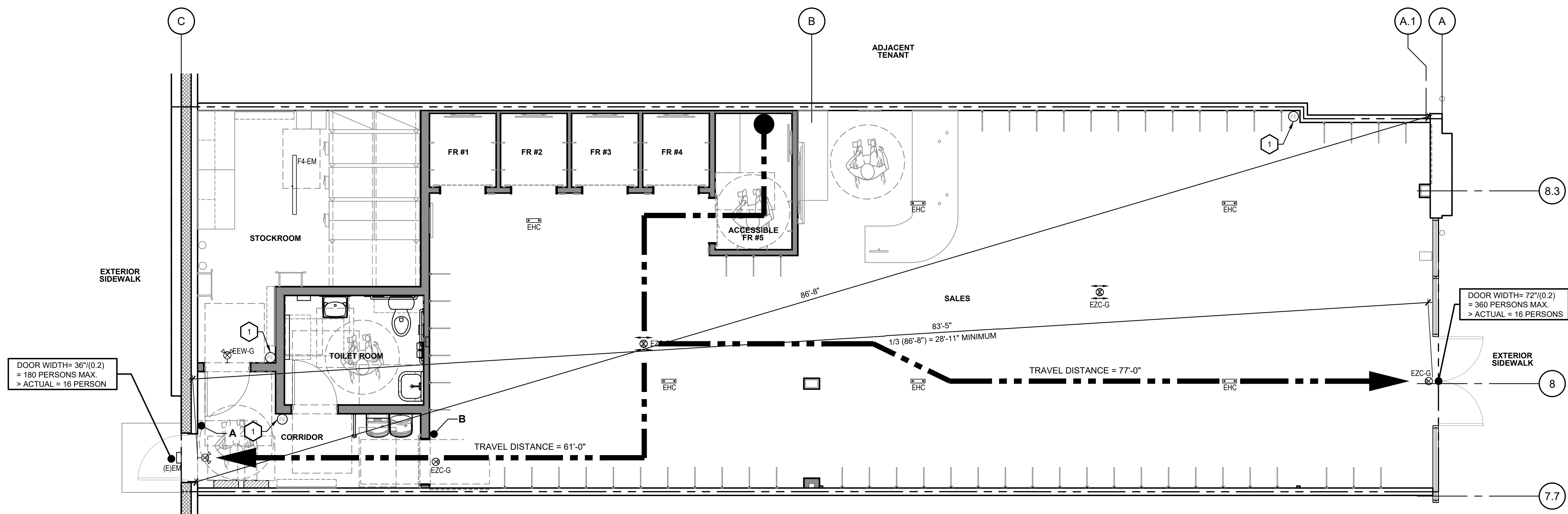


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DRAWN BY:

AP

ISSUE / DATE:

ISSUE 1 - CHECK SET

03-14-2025

ISSUE 2 - BID-PERMIT SET

03-28-2025

ISSUE 3 - PERMIT SET

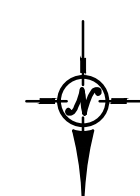
04-25-2025

SHEET TITLE:
LIFE SAFETY PLAN / ACCESSIBILITY DETAILS

SHEET NO.:

G101

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



FLOOR PLAN - GENERAL NOTES

1. ALL WORK IS TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION.
2. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DUST AND TRAFFIC BARRIERS AND TEMPORARY PARTITIONS AS REQUIRED TO MAINTAIN A SAFE AND CLEAN ENVIRONMENT FOR THE PUBLIC AND EMPLOYEES THROUGH THE DURATION OF PROJECT. G.C. SHALL COORDINATE WITH THE BUILDING OPERATIONS MANAGEMENT.
3. GENERAL CONTRACTOR SHALL PERSONALLY SUPERVISE AND DIRECT ALL WORK. G.C. IS RESPONSIBLE FOR ALL CONSTRUCTION AND INSTALLATION METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND FOR COORDINATION OF ALL REQUIRED WORK.
4. GENERAL CONTRACTOR SHALL NOT SCALE FROM THE DRAWINGS. ALL DIMENSIONAL QUESTIONS OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
5. GENERAL CONTRACTOR TO FIELD VERIFY ALL COLUMN TO COLUMN AND DEMISING WALL DIMENSIONS PRIOR TO CONSTRUCTION.
6. GENERAL CONTRACTOR TO FIELD VERIFY CLEARANCE HEIGHT BELOW THE LOWEST POINT OF STRUCTURE PRIOR TO CONSTRUCTION.
7. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE CONDITIONED, USED, APPLIED, INSTALLED, CONNECTED, ERECTED, AND CLEANED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN SPECIFICATIONS OR INSTRUCTIONS.
8. ALL MATERIALS USED IN THIS SPACE MUST BE FREE OF ASBESTOS AND ANY OTHER KNOWN HAZARDOUS MATERIALS.
9. ALL EXISTING STRUCTURE AND FINISHES WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED AND DISPOSED OF SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
10. ALL EXISTING FIRE RATED ASSEMBLIES (INCLUDING PROTECTED COLUMNS) WHICH ARE TO REMAIN SHALL BE PROTECTED FROM DAMAGE TO MAINTAIN FIRE RATING.
11. ALL EXISTING FIRE RATED ASSEMBLIES TO BE MAINTAINED, ANY DAMAGE DONE TO INTEGRITY OF ASSEMBLY DURING DEMOLITION AND NEW CONSTRUCTION SHALL BE REPAIRED BY G.C.
12. ALL EXISTING WALLS DESIGNATED TO BE FIRE-RATED WALLS WHICH ARE NOT TIGHT TO DECK ABOVE OR WITH OPENINGS WITHIN AREA OF WORK SHALL BE BROUGHT TIGHT TO DECK ABOVE AND HAVE OPENINGS COMPLETELY FILLED IN.
13. WHERE EVER EXISTING CONDITIONS ARE TO BE CUT OR DISTURBED TO ALLOW INSTALLATION OF NEW WORK, THIS CONSTRUCTION SHALL BE PATCHED TO MATCH THE ORIGINAL CONSTRUCTION METHOD AND FINISH.
14. GENERAL CONTRACTOR WILL REPAINT AND/OR REPAIR LANDLORD PROPERTY (BULKHEAD, NEUTRAL PIERS, REAR CORRIDOR, ETC...) DAMAGED DURING TENANT IMPROVEMENTS.
15. AT ALL EXISTING WALLS, PROVIDE FIRE RETARDANT/ NONCOMBUSTIBLE BLOCKING AS REQ'D WHERE FIXTURES, ACCESSORIES, HARDWARE, CABINET WORK OR OTHER HEAVY OBJECTS ARE TO BE ANCHORED. PATCH AND REPAIR EXISTING WALLS AS REQUIRED TO MAINTAIN RATING.
16. UNLESS OTHERWISE NOTED, GENERAL CONTRACTOR TO PROVIDE MINIMUM 20 GA METAL STUDS COMPLETE WITH TOP AND BOTTOM TRACKS, NECESSARY FASTENERS, AND ACCESSORIES PER THE MANUFACTURERS RECOMMENDED INSTALLATION GUIDELINES.
17. GENERAL CONTRACTOR SHALL COORDINATE BLOCKING REQUIREMENTS FOR ALL PARTITIONS WITH THE SECTION AND DETAIL SHEETS.
18. ALL DEMISING WALLS AND PARTITIONS TO BE OF GYPSUM WALL BOARD TYPE 'X' FIRE CODE, TAPED AND SEALED AIRTIGHT TO DECK ABOVE.
19. ALL FIRE-RATED WALLS, UNLESS NOTED OTHERWISE, SHALL BE CONSTRUCTED FROM FLOOR, TIGHT TO DECK ABOVE.
20. RATED PARTITIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFIED UL NUMBER, SEAL TIGHT ALL GAPS AND PENETRATIONS WITH FIRE SAFEING MATERIALS. WOOD BLOCKING SHALL BE FIRE-RETARDANT IN RATED PARTITIONS.
21. ANY/ALL PENETRATIONS THROUGH FIRE RESISTIVE FLOORS, WALLS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS. INSTALLATION METHODS THAT CONFORM TO U.L. STANDARDS FOR FIRESTOP SYSTEMS. THE G.C. SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE TO THE U.L. LISTING TO THE ARCHITECT.
22. GENERAL CONTRACTOR SHALL SEAL AROUND ALL PENETRATIONS, (DUCTS, PIPES, CONDUITS, ETC.) AT ALL FIRE-RATED WALLS AND CEILING CONSTRUCTION. THE SEALANT SHALL NOT DIMINISH RATING OF SUCH WALLS OR CEILING. THE G.C. SHALL DAM ALL VOIDS AND GAPS AND FILL IN WITH U.L. APPROVED FIRE-RATED SEALANT OR PUTTY COMPOUND AS PER MANUFACTURER'S RECOMMENDATIONS.
23. ALL FLOOR PENETRATIONS MUST BE CORE-BORED, SLEEVED, GROUTED, SEALED AND MADE WATERPROOF AND COMPLY WITH LOCAL JURISDICTIONAL REQ'S. SLEEVES MUST EXTEND AT LEAST FOUR INCHES ABOVE FINISHED FLOOR, EXCEPT JUNCTION BOXES.
24. FIRE EXTINGUISHERS MUST BE INSTALLED BY G.C. START THE PLACEMENT OF FIRE EXTINGUISHER NEAR THE EXTERIOR EXIT DOORS. MOUNT THE FIRE EXTINGUISHER IN A VISIBLE AND ACCESSIBLE LOCATION, 36" TO 48" ABOVE THE FINISH FLOOR TO THE HANDLE. BUILDINGS WITH MULTIPLE FLOORS MUST HAVE AT LEAST ONE FIRE EXTINGUISHER PER FLOOR. LIGHT HAZARD (OFFICES, CLASSROOMS, CHURCHES, ASSEMBLY ROOMS, RESIDENTIAL) OCCUPANCIES REQUIRE "2A10BC" FIRE EXTINGUISHERS. THE MAXIMUM COVERAGE AREA IS 5,000 SQ. FT. PER EXTINGUISHER AND THE MAXIMUM TRAVEL DISTANCE IS 75'.
25. REFER TO PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR REMOVAL AND OR ADJUSTMENTS TO EXISTING SYSTEMS.
26. G.C. SHALL EXERCISE CAUTION SO AS NOT TO DAMAGE OR DISRUPT ANY UTILITIES OR SPRINKLER LINES WHICH PASS THROUGH TENANT SPACE/ ADJACENT TENANT SPACES. GENERAL CONTRACTOR WILL BEAR SOLE RESPONSIBILITY OF ANY SUCH DISRUPTIONS OR DAMAGE.
27. ANY REPAIR TO LANDLORD SYSTEMS MUST BE COMPLETED TO THE SATISFACTION OF THE LANDLORD SPECIFICATIONS.

GENERAL NOTES

1. GENERAL CONTRACTOR AND SUBCONTRACTORS ARE REQUIRED TO REVIEW THESE NOTES PRIOR TO BIDDING AND TO FAMILIARIZE ALL PERSONS WORKING ON THIS PROJECT WITH THESE GENERAL NOTES AND THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO: THE EXECUTED LEASE AGREEMENT BETWEEN LANDLORD AND TENANT. ANY DISCREPANCY BETWEEN THESE CONTRACT DOCUMENTS AND THE LEASE INFORMATION IS TO BE REPORTED TO UO INC'S PROJECT MANAGER PRIOR TO THE START OF ANY WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY ACQUAINTING THEMSELVES WITH THE CONTENT AND SCOPE OF THESE DOCUMENTS. ALL WORK IS BY TENANT'S GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. WORK DECLARED UNACCEPTABLE BY THE TENANT AND OR LANDLORD SHALL BE CORRECTED IN A MANNER AND TO A DEGREE OF QUALITY AS ACCEPTABLE BY THE TENANT AND OR LANDLORD.
2. ALL CONTRACTORS SHALL BE BONDED AND LICENSED CONTRACTORS POSSESSING GOOD LABOR RELATIONS AND MUST BE CAPABLE OF QUALITY WORKMANSHIP, COORDINATING WITH OTHER CONTRACTORS WORKING ON THE PROJECT. UO INC'S CONSTRUCTION MANAGER IS TO BE NOTIFIED IN WRITING OF THE NAMES, ADDRESSES, DAYTIME PHONE, FAX, AND EMERGENCY PHONE NUMBERS OF ALL SUBCONTRACTORS AND SUPPLIERS WORKING ON THIS PROJECT.
3. THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS FOR THE GENERAL CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS REQUIRED FOR THE WORK NOTED ON THESE PLANS AND SPECIFICATIONS. THIS INCLUDES PERMITS REQUIRED FOR FIXTURING SUPPLIED BY TENANT (IF APPLICABLE), AS WELL AS COSTS FOR ALL INSPECTIONS BY AUTHORITIES HAVING JURISDICTION.
4. ALL WORK TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AS WELL AS ANY OTHER GOVERNING AGENCIES HAVING JURISDICTION.
5. THE GENERAL CONTRACTOR IS REQUIRED TO ADHERE TO ALL ACCESSIBILITY LAWS (A.D.A.) WHETHER STATED OR NOT ON THESE CONTRACT DOCUMENTS. THIS LAW IS A CIVIL RIGHTS LAW AND THE EXCLUSION OF REQUIREMENTS BY THE LOCAL CODE OFFICIALS DOES NOT RELIEVE THE TENANT OR THE GENERAL CONTRACTOR OF ADHERING TO THE NECESSARY WORK, EITHER DURING CONSTRUCTION OR AFTER OCCUPANCY.
6. THE GENERAL CONTRACTOR SHALL COMPLY AND CONFORM TO ALL OF THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), NO EXCEPTIONS WILL BE PERMITTED. THE PROVISIONS OF THE TENANT'S LEASE SHALL APPLY IN THE EVENT OF VIOLATION RESULTING IN DAMAGES, CAUSES OF ACTION OR ANY CLAIMS ARISING THEREFROM, IF GENERAL CONTRACTOR AND / OR ITS SUBCONTRACTORS DO NOT COMPLY WITH THIS ACT.
7. THE ARCHITECT SHALL NOT HAVE CONTROL OVER, CHARGE OF, OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS AND PROGRAMS, INCLUDING ANY AND ALL OSHA REQUIREMENTS, IN CONNECTION WITH THE WORK.
8. PRIOR TO COMMENCEMENT OF ANY WORK, THE GENERAL CONTRACTOR SHALL CONTACT AND MEET WITH LANDLORD'S TENANT COORDINATOR AND UO INC'S PROJECT MANAGEMENT REPRESENTATIVE FOR A PRECONSTRUCTION MEETING. AT WHICH TIME, HE /SHE WILL PRESENT TO ALL PARTIES A LIST OF NAMES, ADDRESSES, BUSINESS PHONE, FAX AND EMERGENCY TELEPHONE NUMBERS OF THE SUBCONTRACTORS FOR THIS PROJECT. THE GENERAL CONTRACTOR WILL COMPLETE THE CHECKLIST FORM (CONTRACTOR INFORMATION FORM) REQUIRED FOR EACH TENANT'S SPACE THAT CONTRACTOR WILL BE WORKING ON AS REQUIRED UNDER LEASE OBLIGATION. THE CHECKLIST FORM INCLUDING SCHEDULE INFORMATION AS WELL AS GENERAL CONTRACTOR AND SUBCONTRACTORS INFORMATION IS TO BE SUBMITTED TO THE LANDLORD'S REPRESENTATIVE UPON ARRIVAL AT THE JOB SITE.
9. THE GENERAL CONTRACTOR IS TO COORDINATE WITH THE LANDLORD FOR SITE MOBILIZATION INCLUDING, BUT NOT LIMITED TO USE OF PREMISES, MATERIAL STORAGE, SITE ACCESS, HOUSEKEEPING PROCEDURES, SECURITY, ETC.
10. EACH CONTRACTOR AND SUBCONTRACTOR SHALL MAKE APPROPRIATE ARRANGEMENTS WITH LANDLORD FOR TEMPORARY UTILITY CONNECTIONS INCLUDING WATER AND ELECTRICITY. CONTRACTOR TO PAY THE COST OF THE CONNECTIONS AND OF PROPER MAINTENANCE AND REMOVAL OF SAME, AND PAY ALL UTILITY CHARGES INCURRED AT THE PREVAILING RATES OF THE UTILITY COMPANY PROVIDING SUCH SERVICE TO THE BUILDING, DURING THE COURSE OF CONSTRUCTION UP TO AND INCLUDING THE DATE OF "TURN OVER" TO THE TENANT.
11. THE GENERAL CONTRACTOR IS TO NOTIFY THE LANDLORD / BUILDING FACILITIES MANAGER PRIOR TO THE COMMENCEMENT OF ALL WORK REQUIRING THE CUTTING, REMOVING, ALTERING OR SHUTTING OFF ANY BUILDING UTILITY AND LIFE SAFETY SYSTEM.
12. ALL FLOOR SLAB PENETRATIONS SHALL HAVE WATERTIGHT SLEEVES EXTENDING A MINIMUM 4" A.F.F. AND MUST BE INSTALLED PER LANDLORD'S CRITERIA. IF CONTRACTOR IS REQUIRED TO PENETRATE SUCH SLAB ABOVE, BELOW OR ADJACENT TO TENANT'S SPACE; COORDINATION AND APPROVAL BY THE LANDLORD WILL BE NECESSARY PRIOR TO CORE DRILLING / SAWCUTTING. IF THIS IS A STRUCTURAL SLAB THEN ANY AND ALL PENETRATIONS THROUGH SLAB MUST BE COORDINATED WITH THE LANDLORD'S REPRESENTATIVE PRIOR TO STARTING WORK.
13. ANY ALTERATIONS, ADDITIONS, DRILLING, WELDING OR OTHER ATTACHMENT OR REINFORCEMENTS TO LANDLORD'S STRUCTURE TO ACCOMMODATE TENANT'S WORK SHALL NOT BE PERFORMED WITHOUT LANDLORD'S APPROVAL, AND THIS CONTRACTOR SHALL LEAVE LANDLORD'S STRUCTURE AS STRONG AS, OR STRONGER THAN, THE ORIGINAL DESIGN AND WITH FINISHES UNIMPAIRED. ONLY UTILIZE LANDLORD'S DESIGNATED ROOFING CONTRACTOR FOR ALL ROOF PENETRATIONS, FLASHING AND COUNTER FLASHING.
14. THE GENERAL CONTRACTOR SHALL HAVE AT ALL TIMES, AT THE PREMISES, BUILDING DEPARTMENT APPROVED PERMIT DRAWINGS, HEALTH DEPARTMENT APPROVED PERMIT DRAWINGS (IF APPLICABLE) AND LANDLORD APPROVED CONTRACT DOCUMENTS (WHEN APPLICABLE).
15. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO CHECK AND VERIFY ALL DIMENSIONS AND FIELD CONDITIONS AT BUILDING SITE AND PREMISES AND NOTIFY THE LANDLORD, THE LANDLORD'S REPRESENTATIVE, UO INC'S PROJECT MANAGER AND PROJECT ARCHITECT OF ANY AND ALL DISCREPANCIES AND LIST ANY WORK NOT YET COMPLETED BEFORE STARTING WORK. IF THE GENERAL CONTRACTOR IS REQUIRED TO INSTALL A STOREFRONT BARRICADE DURING THE CONSTRUCTION PHASE OF THIS PROJECT, SUCH BARRICADE TO MEET THE LATEST BARRICADE DESIGN REQUIREMENTS, INCLUDING THE PAINTING OF SUCH BARRICADE AND ANY SIGNAGE. ADDITIONALLY, THIS BARRICADE MUST BE MOVED OUT AS REQUIRED FOR STOREFRONT WORK AND / OR REMOVED AT THE END OF THE CONSTRUCTION TIME PERIOD. CHECK WITH THE LANDLORD TO VERIFY IF A BARRICADE HAS PREVIOUSLY BEEN INSTALLED ON THESE PREMISES IN ANTICIPATION OF CONSTRUCTION BY THE NEW TENANTS; IF THIS IS THE CASE, DO NOT INCLUDE ANY COST FOR THE ACTUAL BARRICADE BUT DO INCLUDE COSTS FOR MOVING SUCH BARRICADES IN AND OUT, AND ANY OTHER SPECIFIC LANDLORD REQUIREMENTS REGARDING SUCH BARRICADES, AND THE PAINTING AND / OR REMOVAL OF SUCH BARRICADES AFTER CONSTRUCTION.
16. ALL CONTRACTORS SHALL CHECK AND VERIFY ALL FIELD CONDITIONS AND SHALL HAVE SOLE RESPONSIBILITY FOR VERIFICATION OF CLEAR HEIGHTS WITHIN THE PREMISES; ANY DISCREPANCIES SHALL BE REPORTED TO UO INC'S PROJECT MANAGER AND ARCHITECT IMMEDIATELY. THE GENERAL CONTRACTOR IS TOTALLY RESPONSIBLE FOR ALL "HOLD" DIMENSIONS AND IS TO CONTACT UO INC'S PROJECT MANAGER AND ARCHITECT OF ANY DISCREPANCIES VERBALLY AND ALSO IN WRITING PRIOR TO CONSTRUCTION.
17. CONTRACTOR IS TO VERIFY THAT THIS SPACE IS ASBESTOS FREE. NO ASBESTOS WORK IS TO BE COMPLETED BY THIS CONTRACTOR UNLESS SPECIFICALLY NOTED IN THESE CONTRACT DOCUMENTS. IF ASBESTOS IS UNCOVERED, NOTIFY THE TENANT'S REPRESENTATIVE IMMEDIATELY AND STOP ALL WORK. LANDLORD IS RESPONSIBLE FOR ALL ASBESTOS TESTING, FILING AND REMOVAL.
18. THE GENERAL CONTRACTOR SHALL EXERCISE CAUTION SO AS NOT TO DISRUPT OR DAMAGE ANY UTILITIES OR SPRINKLER LINES WHICH SERVICE ADJACENT TENANTS. THE CONTRACTOR WILL BEAR SOLE RESPONSIBILITY FOR ANY DISRUPTIONS OR DAMAGE TO THESE SERVICES.
19. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY REMOVAL, OR AS REQUIRED BY LANDLORD, OF TRASH, RUBBISH AND SURPLUS MATERIALS RESULTING FROM CONSTRUCTION. THE CONTRACTORS AND SUBCONTRACTORS PARTICIPATING IN THE PERFORMANCE OF TENANT'S WORK SHALL REMOVE AND DISPOSE OF, AT LEAST ONCE A WEEK AND MORE FREQUENTLY AS TENANT MAY DIRECT, ALL DEBRIS AND RUBBISH CAUSED BY OR RESULTING FROM THE PERFORMANCE OF TENANT'S WORK AND, UPON COMPLETION THEREOF, REMOVE ALL TEMPORARY STRUCTURES, SURPLUS MATERIALS, DEBRIS AND RUBBISH OF WHATEVER KIND REMAINING IN THE BUILDING WHICH HAD BEEN BROUGHT IN OR CREATED BY THE CONTRACTOR AND SUBCONTRACTORS IN THE PERFORMANCE OF TENANT'S WORK. THIS CONTRACTOR MUST MAINTAIN A CLEAR PATH OF EGRESS FROM THE PREMISES FREE FROM TRASH AND RUBBISH AT ALL TIMES. ALL REMOVAL OF CONSTRUCTION DEBRIS TO AN APPROVED DUMPING SITE TO BE INCLUDED IN THE GENERAL CONTRACTOR'S WORK.
20. THE GENERAL CONTRACTOR WILL BE REQUIRED TO PROTECT ALL NEUTRAL PIERS, LANDLORD'S AND ADJACENT TENANT CONSTRUCTION IF ADJACENT TO THIS TENANT'S WORK, AND MAKE ANY AND ALL REQUIRED REPAIRS TO THE SATISFACTION OF THE LANDLORD AND / OR THE TENANT IF THIS WORK IS DAMAGED.
21. DEMISING WALL FIRE RATING TO BE CONFIRMED BY GENERAL CONTRACTOR RESPONDING TO LANDLORD AND CODE REQUIREMENTS. SEE CONTRACT DOCUMENTS FOR WALL INDICATIONS. ALL PENETRATIONS FOR SUPPLY OR RETURN AIR, ETC., TO HAVE PROPERLY INSTALLED FIRE DAMPERS MEETING THE LATEST FIRE DEPARTMENT REQUIREMENTS, BASED ON SPECIFIC LOCATION OF TENANT'S SPACE IN BUILDING THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL FROM THE BUILDING AND ELECTRICAL INSPECTORS FOR ALL CONCEALED WORK PRIOR TO CLOSING UP WALLS, FLOORS, CEILINGS.
22. SPRINKLER SYSTEM DESIGN AND / OR LAYOUT MODIFICATION, (IF APPLICABLE) TO BE PROVIDED BY THE DESIGNATED SPRINKLER SUBCONTRACTOR AND ALL SUBMISSIONS TO THE FIRE MARSHALL AND BUILDING INSPECTOR FOR THE NECESSARY APPROVAL ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR. GENERAL CONTRACTOR TO VERIFY WITH THE LANDLORD OR LANDLORD'S CRITERIA IF SPRINKLER CONTRACTOR IS TO BE LANDLORD'S APPROVED OR DESIGNATED CONTRACTOR. SPRINKLER HEAD SPACING TO CONFORM WITH THE LATEST N.F.P.A. STANDARDS (PAMPHLET 13) AND ALL CODES HAVING JURISDICTION. SPRINKLER HEAD BRANCH LINES, DROPS AND HEADS ARE THE RESPONSIBILITY OF THE SPRINKLER SUBCONTRACTOR AND THE DESIGN MUST BE BASED ON FLOOR LAYOUT AND REFLECTED CEILING PLANS. APPROVALS BY LANDLORD, LANDLORD'S INSURANCE UNDERWRITER AND THE BUILDING INSPECTOR AND FIRE MARSHALL WILL BE REQUIRED.

23. GENERAL CONTRACTOR TO FURNISH AND INSTALL ANY / ALL REQUIRED FIRE ALARM, SMOKE EVACUATION, SMOKE DETECTION SYSTEMS, INCLUDING ANY / ALL PARTS AND LABOR (OR MODIFY EXISTING AS REQUIRED), TO MEET LOCAL CODES, LANDLORD REQUIREMENTS AND FIRE MARSHAL SPECIFICATION, WHETHER SUCH WORK IS OR IS NOT SHOWN IN THE CONSTRUCTION DOCUMENTS. IF A SMOKE EVACUATION AND / OR DETECTION SYSTEM OCCURS FOR THIS SPACE, IT SHALL BE LEFT INTACT DURING CONSTRUCTION AND ANY NEW WORK, MODIFICATION AND REWIRING TO BE COMPLETED DURING CONSTRUCTION PHASE TO POINT OF NEW PANELS. IF SMOKE DETECTORS ARE REQUIRED TO BE HARD WIRED TO LANDLORD FIRE ALARM SYSTEM, THEY ARE TO BE PER LANDLORD'S SYSTEM. CONTRACTOR TO CONTACT LANDLORD OR APPROVED AGENTS FOR PURCHASE AND INSTALLATION OF DETECTORS AT G.C. EXPENSE. G.C. AND / OR ITS FIRE ALARM SUBCONTRACTOR TO CONTACT LANDLORD FOR FINAL POINT OF CONNECTION TO LANDLORD'S FIRE ALARM JUNCTION BOX AND PERFORM WORK AT CONTRACTOR'S EXPENSE.
24. THE GENERAL CONTRACTOR SHALL FURNISH AND INSTALL, AS REQUIRED, BEGINNING WITH THE CONSTRUCTION PHASE, HAND OPERATED FIRE EXTINGUISHERS, U.L. RATED, AS PER LOCAL CODE REQUIREMENTS. PLACEMENT AS APPROVED BY TENANT AND LOCAL BUILDING OFFICIAL.
25. ALL EXITS SHALL BE UNOBSTRUCTED AT ALL TIMES DURING CONSTRUCTION AND OCCUPANCY.
26. THE PROPER RECEIPT OF ALL NEW MATERIALS, EQUIPMENT, MILLWORK, FIXTURES, ETC. AT THE JOB SITE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND / OR ITS SUBCONTRACTORS. THE CONTRACTOR IS RESPONSIBLE TO UNLOAD, STORE AND SECURE ALL MATERIALS AND EQUIPMENT REQUIRED FOR THE PROJECT. GENERAL CONTRACTOR TO IMMEDIATELY ADVISE UO INC'S PROJECT MANAGER OF ALL DAMAGED OR DEFICIENT SHIPMENTS OF MATERIALS AND EQUIPMENT, WHETHER SUPPLIED BY TENANT OR DIRECTLY BY CONTRACTOR OR ITS SUPPLIERS. GENERAL CONTRACTOR TO COMPLETE AND SUBMIT ALL NECESSARY PAPERWORK AND ARRANGE INSPECTIONS OF DAMAGED GOODS AS PER TENANT CONSTRUCTION DEPT. REQUIREMENTS. NOTIFY UO INC'S PROJECT MANAGER OF ANY POSSIBLE DELAYS. INCOMPLETE ORDERS AND DELAYS ARE TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE SUPPLIER AND UO INC'S PROJECT MANAGER. SUBMIT CONFIRMATION OF ALL ORDERS, DELIVERY DATES, AND A FULL WRITTEN SCHEDULE TO UO INC'S PROJECT MANAGER.
27. ALL THE FLOOR FINISHES, WITHIN THE PREMISES, OR AT THE TRANSITION BETWEEN LANDLORD FLOOR FINISHES AND TENANT'S FLOOR FINISHES (AT ENTRY OR REAR DOOR, IF APPLICABLE) ARE TO BE SMOOTH AND LEVEL. TO AVOID TRIPPING HAZARDS AND BE WITHIN THE REQUIREMENTS OF BARRIER FREE DESIGN. IF AN EXPANSION JOINT COVER IS REQUIRED, SUCH COVER IS TO BE LEVEL AND SMOOTH WITH TENANT'S FLOOR FINISH ELEVATION AND WILL NOT PROJECT ABOVE SUCH FLOOR FINISH ELEVATION. IF THE EXISTING SLABS ARE NOT LEVEL, THE GENERAL CONTRACTOR IS REQUIRED TO COMPLETE EXTENSIVE FLASH PATCHING THROUGHOUT TO OBTAIN A SMOOTH AND LEVEL CONCRETE SLAB.
28. SHOULD AN EXPANSION JOINT OCCUR IN THE LEASED PREMISES, GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION AFFECTED BY SUCH JOINT, INCLUDING FURNISHING AND INSTALLING A LEVEL, SLAB HEIGHT EXPANSION JOINT COVER, INCLUDING FLOOR, WALLS AND CEILING. GENERAL CONTRACTOR SHALL MAINTAIN INTEGRITY OF ALL SUCH EXPANSION JOINTS IN A MANNER CONSISTENT WITH ACCEPTABLE CONSTRUCTION DESIGN PRACTICES.
29. THE STRUCTURAL SYSTEM OF THE BUILDING HAS BEEN DESIGNED TO CARRY A MAXIMUM LIVE LOAD AS SPECIFIED IN THE EXECUTED LEASE AGREEMENT, AND THE LANDLORD'S OR TENANT'S GENERAL CONTRACTOR AND / OR THEIR SUBCONTRACTOR AND / OR ANY AND ALL MATERIAL SUPPLY HANDLERS NOT TO IMPOSE ANY LOADING FOR ANY OF THE TENANT'S WORK ON A TEMPORARY OR PERMANENT BASIS WHICH CAN EXCEED SUCH SPECIFIED LOAD.
30. THE GENERAL CONTRACTOR IS RESPONSIBLE TO CUT AND FRAME ALL OPENINGS FOR OTHER TRADES, SUCH AS MECHANICAL, SPRINKLER, PLUMBING, ELECTRICAL, FIXTURE CONTRACTOR, THROUGH PARTITIONS AND STRUCTURAL WALLS. ALL PENETRATIONS THROUGH RATED WALLS, WITH DUCTS OR PIPING, TO BE FILLED AT OPENING WITH "FIRESTOPPING" MATERIALS TO MAINTAIN THE INTEGRITY OF THE SPECIFIED RATING OF THE WALL.
31. ALL CLEARANCES OF PIPES AND DUCT WORK INSTALLED BY THE GENERAL CONTRACTOR OR SUBCONTRACTORS MUST BE MAINTAINED FOR ADEQUATE HEIGHTS REQUIRED FOR CEILING SYSTEM AND LIGHT FIXTURES. CONTRACTOR MUST REVIEW ENTIRE SET OF CONTRACT DOCUMENTS FOR CEILING HEIGHTS. GENERAL CONTRACTOR (OR DESIGNATED AUTHORIZED CONTRACTOR AT GENERAL CONTRACTOR'S EXPENSE) TO REMOVE OR REPLACE AS REQUIRED ANY AND ALL EXISTING P.V.C. PIPING WITH LOCAL CODE ALLOWABLE MATERIALS THROUGHOUT LEASED PREMISES.
32. ALL PLUMBING AND ELECTRICAL ROUGH-IN TO BE NEW AND ELECTRICAL SERVICE CONDUIT AND WIRE TO THE DEMISED PREMISES TO BE EXTENDED TO THE POINT OF NEW PANELS BY THE CONTRACTOR AS NECESSARY AND SHOWN ON CONTRACT DOCUMENTS. GENERAL CONTRACTOR TO FIELD VERIFY THAT THESE UTILITY LINES ARE AT OR ADJACENT TO TENANT'S SPACE AS NOTED AND AT THE SIZE SPECIFIED, BASED ON GENERAL CONTRACTOR'S OR SUBCONTRACTOR'S PRE-BID REVIEW OF PREMISES. IF THE UTILITIES ARE NOT IN LOCATIONS AS NOTED ON THE CONTRACT DOCUMENTS OR OF A SIZE LARGER OR SMALLER THAN NOTED, THIS CONTRACTOR IS TO MODIFY THE SERVICE ACCORDINGLY WITH EITHER NEW CONDUIT AND / OR NEW COPPER SERVICE WIRE EXTENDING BACK TO LANDLORD'S ELECTRICAL / METER ROOM SERVICE POINT, AND INCLUDE SUCH COSTS IN THE BID TO THE TENANT.
33. THE GENERAL CONTRACTOR WILL FURNISH AND INSTALL A COMPLETE MECHANICAL SYSTEM AS DIRECTED IN THE CONSTRUCTION DOCUMENTS. GENERAL CONTRACTOR'S MECHANICAL CONTRACTOR(S) ARE REQUIRED TO COORDINATE WITH ALL OTHER CONTRACTORS ON JOB TO MAINTAIN TENANT'S CEILING HEIGHT, LIGHT FIXTURE LOCATION, SPRINKLER BRANCH LINES, ETC.
34. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL SUBCONTRACTOR TO ENGINEER AND INSTALL ALL NECESSARY MISC. STRUCTURAL STEEL SHAPES.
35. THE GENERAL CONTRACTOR AND / OR ITS ELECTRICAL SUBCONTRACTOR SHALL VERIFY ALL EQUIPMENT SPECIFICATIONS AND REQUIREMENTS WITH UO INC'S PROJECT MANAGER PRIOR TO START OF CONSTRUCTION. THIS CONTRACTOR TO VERIFY AMPERAGE / VOLTAGE SPECIFICATIONS, WIRING SIZES AND REQUIREMENTS (SERVICE AND PANEL SPECIFICATION) WITH THE EQUIPMENT SUPPLIERS, AND CHECK THE CONTRACT DOCUMENTS FOR MISCALCULATIONS. IN COORDINATION WITH EQUIPMENT SPECIFICATIONS FOR EQUIPMENT SUPPLIED BY THE TENANT, THE CONTRACTORS OR OTHER SOURCES (AS SPECIFIED BY THE ARCHITECT) AS A DOUBLE CHECK TO ASCERTAIN PROPER INSTALLATION OF EQUIPMENT AT THE CORRECT AMPERAGE / VOLTAGE AND WIRING SIZE. NO LIGHT FIXTURES ARE TO BE ORDERED UNTIL THIS "DOUBLE CHECK" TAKES PLACE.
36. THE GENERAL CONTRACTOR AND / OR ELECTRICAL SUBCONTRACTOR IS TO INSTALL EMERGENCY AND EXIT LIGHTING, AS REQUIRED BY LOCAL CODE OR AGENCIES HAVING JURISDICTION OVER THE PROJECT UNLESS NOTED OTHERWISE IN THE APPLICABLE "RESPONSIBILITY SCHEDULE". THE EXIT / EMERGENCY LIGHTING SHOULD BE PROPERLY LABELED AND APPROVED TYPE LOCKOUTS INSTALLED.
37. THE ELECTRICAL SUBCONTRACTOR IS TO PROVIDE A CIRCUIT DIRECTORY WITH PROPER PHASING AND BALANCING, WHICH IS TO CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND UNDERWRITER'S CODE. THE SIGN(S) JUNCTION BOX PERMIT IS TO BE INCLUDED IN THE WORK FOR THE ELECTRICAL SUBCONTRACTOR AND THE BOX IS TO BE SUPPLIED BY THIS CONTRACTOR AND PROPERLY LABELED.
38. ALL SWITCH / OUTLET PLATES / COVERS TO BE FINISHED IN SAME COLOR / WALL COVERING AS ADJACENT WALL FINISHES UNLESS NOTED OTHERWISE. FACTORY PAINTED GRILLES, DIFFUSERS, METAL TRIM (BUCKS, ETC.), ACCESSORIES, SWITCH AND OUTLET PLATES, ETC., ARE TO BE PAINTED TO MATCH ADJACENT SURFACE IN AN ENAMEL, CLEANABLE FINISH, OR AS SPECIFIED ON THE CONTRACT DOCUMENTS.
39. THE GENERAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL TRADES PRIOR TO FABRICATION AND INSTALLATION, AND SUBMIT SAMPLE MATERIAL, COLOR AND FINISHES TO UO INC'S PROJECT MANAGER AND ARCHITECT FOR APPROVAL.
40. THE CONSTRUCTION DRAWINGS LISTED IN THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON THE BEST INFORMATION AVAILABLE TO THE TENANT DURING PREPARATION OF THE CONTRACT DOCUMENTS. IN THE EVENT THAT PROBLEMS ARISE DURING THE COURSE OF THE PROJECT, DUE TO UNKNOWN SITE CONDITIONS OR CODE AND LANDLORD REQUIREMENTS (IF ANY) THAT CONFLICT WITH THE CONTRACT DOCUMENTS, THE GENERAL CONTRACTOR SHALL INFORM UO INC'S PROJECT MANAGER AND THE TENANT'S ARCHITECT.



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DRAWN BY:

DAL

ISSUE / DATE:

ISSUE 1 - CHECK SET

03-14-2025

ISSUE 2 - BID-PERMIT SET

03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :
GENERAL NOTES

SHEET NO. :
G102

TENANT SUPPLIED MATERIAL RESPONSIBILITY MATRIX					
FP MOVEMENT - STATION TWELVE, AMHERST, NY					
ISSUED 03/25/2025					
TSM NUMBER	CATEGORY	VENDOR	UOI OWNER	QUANTITY	COMMENTS
TS001-TS099 LOW VOLTAGE AND ELECTRICAL SPECIALTIES					
TS-001	TELEPHONE SYSTEM	SPENCER	MIS	1	REVIEW QTY REQ'D IN DRAWING SET
TS-002	NOT USED				
TS-003	AUDIO SYSTEM	PLAY NETWORK	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-004	SECURITY ALARM SYSTEM	VECTOR	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-005	AUDIO PLAYER	PLAY NETWORK	PURCHASING	1	REVIEW QTY REQ'D IN DRAWING SET
TS-007	WALL DATA CABINET	IT	IT	1	REVIEW QTY REQ'D IN DRAWING SET
TS-008	TELEVISION SCREEN - 75" VIDEO DISPLAYS W/ PLAYER (WITH EXTENDER PACK)	PLAY NETWORK	MIS	1 SET (2 STACKED HORIZONTAL)	SURFACE MOUNTED ON BACKWRAP WALL. GC TO PROVIDE METAL 'L' ANGLE AS SHROUD FOR SIDES OF SCREEN, PAINTED TO MATCH ADJACENT WALL FINISH. REVIEW QTY REQ'D IN DRAWING SET
TS-009	NOT USED				
TS-010	15" ELO TABLET (IN BLACK) - HORIZONTAL ORIENTATION W/ MISKO WOOD STAND	SPENCER & MISKO	MIS	1	LOCATED AT CW TOP. TABLET BY SPENCER; WOOD STAND BY MISKO. REVIEW QTY REQ'D IN DRAWING SET
TS100-TS199 LIGHTING					
TS-100	BULK LIGHTING	LAMPS.COM	PURCHASING		REVIEW QTY REQ'D IN DRAWING SET; GC TO INSTALL
TS-101	IRIDESCENT WAVY GLASS PENDANT SHADES - 6" WIDE X 7" HIGH	DKC	PURCHASING	8	2 ABOVE CW COUNTER, 1 IN EACH FR STALL, 2 IN ADA FR STALL. REVIEW QTY REQ'D IN DRAWING SET; GC TO INSTALL
TS200-TS299 OPERATIONS					
TS-200	LOCKSET CORES	BASS	PURCHASING	1	REVIEW QTY, REQ'D IN DRAWING SET; GC TO INSTALL
TS-201	OFFICE SAFE	WILSON	PURCHASING	1	GC TO BOLT TO FLOOR
TS-202	MANAGER'S DESK	MISKO	PURCHASING	1	REVIEW DIMENSION REQ'D IN DRAWING SET; GC TO INSTALL
TS-203	RECEIVING DESK	MISKO	PURCHASING	1	REVIEW DIMENSION REQ'D IN DRAWING SET; GC TO INSTALL
TS-204	LOCKERS	S&S INDUSTRIAL	PURCHASING	2	GC TO SECURE TO WALL
TS-205	BOH STOCK SHELVING (INCLUDING MOBILE)	MMI	PURCHASING		REVIEW QTY REQ'D IN DRAWING SET
TS-206	HANGER TIGHTS - 21" - (1) STARTER UNITS + (1) ADD-ON	IRSG	PURCHASING	2	REVIEW QTY REQ'D IN DRAWING SET; GC TO INSTALL
TS-207	2x6 HOMOSOTE PANEL	MISKO	PURCHASING	1	REVIEW LOCATION IN DRAWING SET; GC TO INSTALL
CASHWRAP					
TS-220	CUSTOM CURVED CASHWRAP (2 POS MODIFIED) WITH WOOD STRIPS SHROUD, MILLWORK EXTENSION AND 2" THK CONCRETE TOP. MILLWORK MADE IN 2 SECTIONS TO BE CONNECTED ON SITE.	MISKO	PURCHASING	1	MISKO TO PROVIDE CONCRETE TOP WITH GROMMET HOLES AND AS SINGLE PIECE (NO SEAMS), VERTICAL WHITE WASHED WOOD STRIPS SHROUD WITH BOTTOM TRIM, PAINTED WHITE MILLWORK COMPONENTS AND ASSEMBLY. GC TO INSTALL AND CONNECT 2 SECTIONS ON SITE.
BACKWRAP					
TS-221	6'-0 3/4" LONG BACKWRAP W/ WOOD STRIPS SHROUD ON ONE SIDE WITH SILVER PULLS AND 2" THK CONCRETE TOP	MISKO & DKC	PURCHASING	1 (AND 8 DKC PULLS)	DKC TO PROVIDE PULLS TO MISKO. MISKO TO PROVIDE CONCRETE TOP (NO SEAMS), WHITE WASHED WOOD STRIPS SHROUD WITH BOTTOM TRIM ON ONE SIDE, PAINTED WHITE MILLWORK, WHITE WASHED WOOD DRAWERS, AND ASSEMBLY. REFER TO DRAWINGS FOR BW LENGTH AND LAYOUT. GC TO INSTALL.
TS300-TS399 STOREFRONT + SIGNAGE					
MAIN SIGN (BACKLIT)					
TS-300A	fp movement - 1 1/2" DEEP PAINTED ACRYLIC SCRIPT SIGN PIN MOUNTED ON PAINTED PLAQUE WITH PAINTED BHUTTI LOGO (BACKLIT)	FORMAN	PURCHASING	1	PRIMARY SIGN AT STOREFRONT. 2'-7" HIGH ACRYLIC LETTERS IN BEN MOORE HC-166 'KENDALL CHARCOAL' TO BE PIN MOUNTED WITH PAINTED 1'-0 3/8" HIGH BHUTTI LOGO IN SAME HC-166 COLOR TO MATCH. LETTERS TO BE PIN MOUNTED 1-1/2" OFF 12"-4 3/4" WIDE X 3'-2" HIGH X 1-1/2" THICK ROUNDED CORNER PLAQUE PAINTED IN BEN MOORE 1191 - 'LOVE AND HAPPINESS' AND POP COLOR EDGING PAINTED 5-6 COATS ON WHITE BACKGROUND WITH 'FLUID' FLUORESCENT RED WITH CLEAR COAT. FORMAN TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
TS-300B	fp movement - 1 1/2" DEEP PAINTED ACRYLIC SCRIPT SIGN PIN MOUNTED ON PAINTED PLAQUE WITH PAINTED BHUTTI LOGO (BACKLIT)	FORMAN	PURCHASING	1	SECONDARY SIGN AT REAR. 2'-7" HIGH ACRYLIC LETTERS IN BEN MOORE HC-166 'KENDALL CHARCOAL' TO BE PIN MOUNTED WITH PAINTED 1'-0 3/8" HIGH BHUTTI LOGO IN SAME HC-166 COLOR TO MATCH. LETTERS TO BE PIN MOUNTED 1-1/2" OFF 12"-4 3/4" WIDE X 3'-2" HIGH X 1-1/2" THICK ROUNDED CORNER PLAQUE PAINTED IN BEN MOORE 1191 - 'LOVE AND HAPPINESS' AND POP COLOR EDGING PAINTED 5-6 COATS ON WHITE BACKGROUND WITH 'FLUID' FLUORESCENT RED WITH CLEAR COAT. FORMAN TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
GRAPHICS AND WINDOW DECALS					
TS-301	BARRICADE GRAPHICS - PAPER WITH TEXT AND IMAGES	FORMAN	PURCHASING	1	PAPER IN WINDOWS. FORMAN TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR LOCATIONS AND LAYOUT.
TS-302	BHUTTI LOGO DECAL IN IRIDESCENT FILM - SOLYX SX-3066 SPECTRUM TRANSPARENT DICHROIC FILM	FORMAN	PURCHASING	1	6'-0" H LOGO AT TRANSOM WINDOW CENTERED ABOVE ENTRY DOORS. REVIEW DIMENSIONS REQ'D IN DRAWING SET. FORMAN TO PROVIDE AND INSTALL (REVERSE CUT).
TS-303	FITNESS.WELLNESS.HAPPINESS.' DECAL (IN WHITE)	FORMAN	PURCHASING	1	1.75" H 'FITNESS.WELLNESS.HAPPINESS.' DECAL IN WHITE. REVIEW DIMENSIONS REQ'D IN DRAWING SET. FORMAN TO PROVIDE AND INSTALL (REVERSE CUT).
BLADE SIGNS					
TS-310	SUSPENDED ROUNDED CORNER LIGHT PINK BLADE SIGN WITH POP COLOR EDGING AND PAINTED ACRYLIC LETTERS PIN MOUNTED ON BOTH SIDES	FORMAN	PURCHASING	1	1'-0" HIGH X 2'-6" WIDE X 1/2" THK. ROUNDED CORNER PAINTED PLAQUE IN BEN MOORE 1191 - 'LOVE AND HAPPINESS' ON BOTH SIDES AND POP COLOR EDGING PAINTED 5-6 COATS ON WHITE BACKGROUND WITH 'FLUID' FLUORESCENT RED WITH CLEAR COAT, SUSPENDED FROM CANOPY @ 8'-6" B.O. SIGN. VIF ACTUAL SUPPORT LENGTHS. 7" HIGH PAINTED ACRYLIC LETTERS IN BEN MOORE HC-166 'KENDALL CHARCOAL' TO BE PIN MOUNTED 3/8" ON BOTH SIDES WITH BHUTTI LOGO TO BE PAINTED ON PLAQUE IN SAME BEN MOORE HC-166 COLOR. ROD, MOUNTING PLATE, HOOKS AND SUPPORTS TO BE IN WHITE. PROVIDED AND INSTALLED BY FORMAN.
STOREFRONT MATERIALS					
TS-320	3/4" THK TEMPERED TEXTURED GLASS DOOR HANDLES - HALF MOON SHAPE W/ SILVER CAPS AND ATTACHMENTS	DKC & RETAIL FIXTURE	PURCHASING	2 SETS	(2) HALF MOON GLASS HANDLES ON EXTERIOR AND (2) ON INTERIOR OF ENTRY DOORS. GLASS MATERIAL PROVIDED DKC. SILVER CAPS, CONNECTIONS AND ASSEMBLY BY RETAIL FIXTURE AND INSTALLED BY GC.
TS400-TS499 WALL STANDARDS					
TS-400	9'-10" FLAT SURFACE MOUNTED WALL STANDARDS - NATURAL FINISH	CREATIVE	PURCHASING	17	AT SALES TO BE INSTALLED WITH TS-401 MISKO WOOD SHROUD. B.O. FLAT STANDARDS MOUNTED AT 10" AFF; FIRST NUT AT 18" AFF O.C. TYP.; LAST NUT AT 9'-6" AFF. GC TO INSTALL.
TS-401	10'-9" PAINTED WHITE SOFT MAPLE WOOD SHROUDS - PRE-DRILLED W/ HOLES TO START AT 18" AFF AND END AT 8'-0" AFF (INCLUDES 8 PRE-DRILLED HOLES ON SIDES OF SHROUDS FOR DISPLAY DOWELS; 4 ON LEFT AND 4 ON RIGHT)	MISKO	PURCHASING	17	AT SALES TO BE INSTALLED WITH TS-400 CREATIVE 9'-4" FLAT STANDARD. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL.
TS-402	9'-4" FLAT SURFACE MOUNTED WALL STANDARDS - POWDER COATED RAL 9002 (MATTE FINISH)	CREATIVE	PURCHASING	39	AT SALES. B.O. FLAT STANDARDS MOUNTED AT 10" AFF; FIRST NUT AT 18" AFF O.C. TYP.; LAST NUT AT 9'-0" AFF. GC TO INSTALL.
TS-403	11'-4" FLOOR TO CEILING PAINTED WHITE SOFT MAPLE SOLID FAUX WOOD SHROUD - NO HOLES	MISKO	PURCHASING	2	AT SALES TO ALIGN WITH EDGE OF SOFFIT. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL.

TENANT SUPPLIED MATERIAL RESPONSIBILITY MATRIX					
FP MOVEMENT - STATION TWELVE, AMHERST, NY					
ISSUED 03/25/2025					
TSM NUMBER	CATEGORY	VENDOR	UOI OWNER	QUANTITY	COMMENTS
TS500-TS599 FLOOR/WALL/CEILING MATERIALS					
FLOORING					
TS-500	UNFINISHED ENGINEERED WHITE OAK WOOD FLOORING (1 1/2" X 5", VARYING LENGTHS)	URBAN EVOLUTIONS	PURCHASING		AT SALES, FITTING ROOMS, AND BOH CORRIDOR. DIRECT GUE DOWN WITH BOSTON'S BEST. FLOOR TO BE SEALED WITH 1 COAT BONA PRIMER (CLASSIC OR SIMILAR) AND 2 COATS FINISH SEALER (TRAFFIC OR SIMILAR). FOLLOW ALL FLOOR PREP DIRECTIVES TO ENSURE A WARRANTED SYSTEM FROM BONA. ALL SEALER PRODUCTS SHOULD BE AS FLAT FINISH AS POSSIBLE. DO NOT USE BOARD THAT ARE SEVERELY WARPED. FILL KNOT HOLES. CURE PER BONA RECOMMENDATIONS.
WOOD STUDS, CLADDING & CLADKITS					
TS-510	5/8" WHITE WASHED HARD MAPLE WOOD CLADDING AND END CAPS - 1x3 (3/4") RIPPED TO SIZE, SEND 8" WIDE BOARDS	MISKO	PURCHASING		APPROX. 114 LF TOTAL (NOT INCLUDING WASTE) OPENING SURROUNDS AT FITTING ROOMS AND BOH CORRIDOR, AND END CAPS AT SALES TO BE ALIGNED WITH FACE OF WOOD BASE. MISKO TO PROVIDE WHITE WASHED WOOD CLADDING TO SITE - CLEAN SAWN; NO SAW MARKS. GC TO INSTALL AND CUT IN FIELD AS NEEDED; DO NOT PAINT. REVIEW QTY, SIZES AND LOCATIONS REQ'D IN DRAWINGS
TS-511	3-1/2" WIDE PAINTED WHITE SOFT MAPLE WOOD TRIM PIECE ABOVE AND BELOW WOOD SHROUDS	MISKO	PURCHASING		APPROX. 136 LF TOTAL (NOT INCLUDING WASTE) MISKO TO PROVIDE PAINTED WOOD TRIMS TO MATCH WOOD SHROUDS AND ALIGN TO FACE OF SHROUDS. REVIEW QTY, SIZES AND LOCATIONS REQ'D IN DRAWINGS. GC TO CUT IN FIELD AND INSTALL; ANY SEAMING TO ALIGN WITH EDGE OF SHROUDS
MISC. MATERIALS					
TS-520	5'-0" H ACRYLIC BHUTTI LOGO W/ IRIDESCENT FILM APPLIED ON "BACKSIDE" (MOUNTED TO TEMPLATE FOR INSTALL)	FORMAN	PURCHASING	1	5'-0" H LOGO EMBEDDED ON WALL AT CASHWRAP/BACKWRAP. FORMAN TO PROVIDE MOUNTED ON TEMPLATE; GC TO INSTALL. REVIEW DIMENSIONS REQ'D IN DRAWING SET
TS600-TS699 FITTING ROOMS					
FR CURTAINS AND RODS					
TS-600	CURTAIN RODS - SANDED COLD ROLLED STEEL NATURAL W/ CLEAR MATTE SEALER (4'-0" L)	CREATIVE	PURCHASING	6	INCLUDES FR STALLS, ADA, AND BOH CORRIDOR GC TO INSTALL.
TS-601	CURTAIN ROD SUPPORTS - SANDED COLD ROLLED STEEL NATURAL W/ CLEAR MATTE SEALER	CREATIVE	PURCHASING	12	INCLUDES FR STALLS, ADA, AND BOH CORRIDOR GC TO INSTALL.
TS-602	EMBROIDERED CURTAINS WITH RINGS AND NUBS (5'-6" X 8'-3")	DKC	PURCHASING	6	INCLUDES FR STALLS, ADA, AND BOH CORRIDOR GC TO INSTALL.
FR STALL MIRRORS					
TS-610	SINGLE BACKLIT MIRROR FRAME WITH ROUNDED CORNERS IN SANDED COLD ROLLED STEEL NATURAL FINISH W/ CLEAR MATTE SEALER (APPROX. 2'-6" X 7'-6")	CREATIVE	PURCHASING	5	1 AT EACH FITTING ROOM STALL MOUNTED @ 6" AFF. CREATIVE TO PROVIDE MIRROR FRAME. GC TO PROVIDE GLAZING AND INSTALL WITH CLEATS PAINTED TO MATCH WALL COLOR.
FR SEATING					
TS-620	15" ROUND NATURAL WOOD STOOL	MISKO	PURCHASING	4	1 PER TYP. FR STALL
TS-621	BSC ADA FITTING ROOM NATURAL WOOD BENCH WITH PILLOWS (4'-0" L X 20" W X 17" H)	MISKO	PURCHASING	1	GC TO INSTALL
FR HOOKS AND ITEM MIRRORS					
TS-630	FITTING ROOM STALL 2" L CLOTHES HOOKS - SANDED COLD ROLLED STEEL NATURAL FINISH	NOEVARA	PURCHASING	20 (4 PER FR STALL)	MOUNTED ON INTERIOR SIDE (4 PER FR STALL, INCLUDING ADA); REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS-631	FITTING ROOM ITEM COUNTER (1 PER FR) - SANDED COLD ROLLED STEEL NATURAL FINISH SLOT FRAME W/ ACRYLIC PANEL FOR WRITING	CREATIVE & FORMAN	PURCHASING	5	MOUNTED ON EXTERIOR SIDE 5'-0" TO C.L. OF FIXTURE. FORMAN TO PROVIDE ACRYLIC PANELS WITH FILM ON BACK; CREATIVE TO PROVIDE SLOT FRAMES. REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS-632	FITTING ROOM STALL CURTAIN TIE BACK HOOKS IN SANDED COLD ROLLED STEEL NATURAL FINISH	NOEVARA	PURCHASING	10 (2 PER FR STALL)	MOUNTED ON INTERIOR SIDE (2 PER FR STALL, INCLUDING ADA, AND BOH SIDE OF CORRIDOR ENTRY) @ 5" FROM WOOD SURROUND OPENING; GC TO COORDINATE HEIGHT ON SITE. REVIEW QTY AND LOCATIONS IN DRAWING SET; GC TO INSTALL.
TS700-TS799 SALES FIXTURES					
SURFACE MOUNTED MIRRORS - SALES AND FR COMMON					
TS-700	ROUNDED MIRROR FRAME IN SANDED COLD ROLLED STEEL NATURAL FINISH W/ CLEAR MATTE SEALER (APPROX. 2'-4" X 6'-6")	CREATIVE	PURCHASING	1	1 AT FR COMMON MOUNTED @ 8" AFF. CREATIVE TO PROVIDE MIRROR FRAME AND 2 CLIPS. GC TO PROVIDE GLAZING AND INSTALL.
CEILING MOUNTED HANGRODS					
TS-710	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN SANDED COLD ROLLED STEEL NATURAL FINISH W/ CLEAR MATTE SEALER (3'-9" LONG W/ 0 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	1	1 AT STOREFRONT WINDOWS. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS-711	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN SANDED COLD ROLLED STEEL NATURAL FINISH W/ CLEAR MATTE SEALER (7'-6" LONG W/ 2 INTERMEDIATE SUPPORTS)	CREATIVE	PURCHASING	1	1 AT STOREFRONT WINDOWS. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS-712	3/4" DIAMETER ROD FIXTURE SUSPENDED FROM CEILING IN SANDED COLD ROLLED STEEL NATURAL FINISH W/ CLEAR MATTE SEALER (5'-6" LONG W/ 1 INTERMEDIATE SUPPORT)	CREATIVE	PURCHASING	3	3 AT SALES. REVIEW LOCATIONS IN DRAWINGS. GC TO INSTALL.
TS800-TS899 DISPLAY OPERATIONS					
TS-800	FINAL FIXTURE PACKAGE	DKC	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-801	FINAL FIXTURE PACKAGE	MISKO	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-802	FINAL FIXTURE PACKAGE	CREATIVE	PURCHASING		GC TO ASSEMBLE FIXTURES
TS-803	FINAL FIXTURE PACKAGE	RETAIL FIXTURE	PURCHASING		GC TO ASSEMBLE FIXTURES



EXPIRES - 01-31-2027

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DRAWN BY:

UOI

ISSUE / DATE:

ISSUE 1 - CHECK SET

03-14-2025

ISSUE 2 - BID-PERMIT SET

03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :
**TENANT SUPPLIED
ITEM SCHEDULE**

SHEET NO. :

G103

MATERIAL SCHEDULE - FP MOVEMENT - STATION TWELVE, AMHERST, NY							
ISSUED 03/25/2025							
KEY	MATERIAL	FINISH	COLOR/STYLE	MFR/VENDOR	TSM #	S.F.	REMARKS
EX-1	EXISTING TO REMAIN	CLEAN AS NEEDED	--	GC			AT EXISTING FINISHES AS INDICATED IN DRAWINGS.
CONCRETE							
C1	EXISTING CONCRETE FLOOR	CLEAR SEALER	QUIKRETE NATURAL LOOK WATERPROOFER #02-51092-07 CLR	QUIKRETE / GC			AT BOH
C2	2" THK. POURED CONCRETE CASHWRAP AND BACKWRAP TOP	SEMI-GLOSS WITH CLEAR SEALER	15% SPICE; 25% CORAL MIX	MISKO / GC	TS-220 & TS-221	APPROX. 50 SQ FT (NOT INCLUDING WASTE)	CASHWRAP AND BACKWRAP TOPS. MISKO TO PROVIDE CONCRETE TOPS (NO SEAMS) WITH GROMMET HOLES AT CASHWRAP AND ASSEMBLY. REFER TO DRAWINGS FOR LAYOUT AND DIMENSIONS. CASHWRAP MILLWORK COMPONENT WILL BE MADE IN 2 SECTIONS TO BE CONNECTED ON SITE; GC TO INSTALL. GC TO USE QUIKRETE ADVANCED POLYMER CONSTRUCTION ADHESIVE (No. 9902-10) AS NEEDED TO SECURE TOP TO MILLWORK.
GYP BD AND FINISH - INCLUDES SPECIAL FINISHES							
G1	GWB - (1) COAT PRIMER; (2) COATS PAINT	AURA MATTE	BM OC-17 WHITE DOVE	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH
G2	GWB - (1) COAT PRIMER; (2) COATS PAINT	EGGSHELL PAINT FINISH	BEHR - COTTON SHEETS RD-W15	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH.
G3	GWB - (1) COAT PRIMER; (2) COATS PAINT	EGGSHELL PAINT FINISH	GLIDDEN - SUMMER SANDCASTLE 10YY 69/130	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH.
G4	GWB - (1) COAT PRIMER; (2) COATS PAINT	FLAT PAINT FINISH	BM OC-17 WHITE DOVE	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND TO LEVEL 4 FINISH
G5	FIRE TAPE ONLY - (1) COAT PRIMER; NO PAINT	--	--	GC			GC TO PROVIDE GYP BD SUBSTRATE, TAPE, SPACKLE AND SAND SURFACE TO BE SMOOTH FREE OF DEBRIS. AT BOH WALLS ONLY.
GLAZING							
GL-1	1" INSULATED GLAZING	--	CLEAR	GC			AT STOREFRONT ENTRY DOORS. BLACK SPACERS. GC TO INSTALL.
GL-2	1/4" MIRROR GLASS	--	CLEAR	GC			AT SALES AND FR STALL MIRRORS. REFER TO DRAWINGS FOR SIZES AND LOCATIONS. GC TO INSTALL.
GLAZING FILM							
GL-X1	6'-0" BHUTTI LOGO DECAL IN IRIDESCENT FILM	IRIDESCENT	SOLYX SX-3066 SPECTRUM TRANSPARENT DICHROIC FILM 39.375" WIDE	FORMAN	TS-302	1	AT STOREFRONT DISPLAY WINDOW CENTERED WITHIN MULLIONS. APPLIED ON INTERIOR SIDE OF GLASS. REVERSE CUT. FORMAN TO INSTALL.
GL-X2	1-3/4" HIGH "FITNESS. WELLNESS. HAPPINESS" TAGLINE DECAL	--	WHITE	FORMAN	TS-303	1	AT STOREFRONT WINDOW, CENTERED. APPLIED ON INTERIOR SIDE OF GLASS. REVERSE CUT. FORMAN TO PROVIDE AND INSTALL. REFER TO DRAWINGS FOR SIZES AND LOCATIONS.
METAL							
MT-1	ALUMINUM STOREFRONT ENTRY DOORS AND DOOR FRAMES	--	MATCH EXISTING STOREFRONT FRAMING	GC		1 SET	REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. GC TO INSTALL.
PAINT							
P1	PAINT ON EXISTING - (1) COAT PRIMER; (2) COATS PAINT	AURA MATTE	BM OC-17 WHITE DOVE	GC			GC TO MAKE SURE SURFACE IS SMOOTH FREE OF DEBRIS BEFORE PAINTING.
P2	PAINT ON METAL TV SHROUD - (1) COAT PRIMER; (2) COATS PAINT	EGGSHELL PAINT FINISH	GLIDDEN - SUMMER SANDCASTLE 10YY 69/130	GC			AT TV METAL SHROUDS TO MATCH ADJACENT WALL FINISH. GC TO MAKE SURE SURFACE IS SMOOTH FREE OF DEBRIS BEFORE PAINTING.
VINYL							
V1	FRP	PEBBLE FINISH	STANDARD WHITE S100 - S/2/S	MARLITE / GC			GC TO INSTALL UP TO 4'-0" A.F.F. PVC TRIM AS REQUIRED TO MATCH WHITE.
V2	12 X 12 VCT	--	SOFT WARM GRAY	ARMSTRONG / GC			INSTALL WITH GRAIN FACING ONE DIRECTION.
V3	4" VINYL BASE	--	MID GRAY #7 1 1/8" GAUGE	ARMSTRONG / GC			APPLY ONLY TO DRYWALL CONSTRUCTION (I.E. NOT TO CMU, ETC)
WOOD FLOORING							
W1	UNFINISHED ENGINEERED WHITE OAK WOOD FLOORING (1/2" X 5", VARYING LENGTHS)	BONA CLASSIC AND BONA TRAFFIC (OR SIMILAR); MATTE FLAT FINISH	NATURAL	URBAN EVOLUTIONS / GC	TS-500	APPROX. 1760 SF TOTAL (NOT INCLUDING WASTE)	AT SALES, FITTING ROOMS, AND PORTION OF BOH CORRIDOR. DIRECT GLUE DOWN WITH BOSTIK'S BEST. FLOOR TO BE SEALED WITH 1 COAT BONA PRIMER (CLASSIC OR SIMILAR) AND 2 COATS FINISH SEALER (TRAFFIC OR SIMILAR). FOLLOW ALL FLOOR PREP DIRECTIVES TO ENSURE A WARRANTED SYSTEM FROM BONA. ALL SEALER PRODUCTS SHOULD BE AS FLAT FINISH AS POSSIBLE. DO NOT USE BOARD THAT ARE SEVERELY WARPED. FILL KNOT HOLES. CURE PER BONA RECOMMENDATIONS.
WOOD CLADDING							
W2	5/95 WHITE WASHED HARD MAPLE WOOD CLADDING AND END CAPS - 1x5 (3/4") RIPPED TO SIZE, SEND 8" WIDE BOARDS	5 PAINT/95 WATER WHITE WASHED WITH (1) COAT DEAD FLAT SEAL; DO NOT PAINT	BM OC-17 WHITE DOVE	MISKO / GC	TS-510	APPROX. 114 LF TOTAL (NOT INCLUDING WASTE)	OPENING SURROUNDS AT FITTING ROOMS, BOH CORRIDOR, AND SALES WALL END CAPS TO BE ALIGNED WITH FACE OF WOOD BASE. FINISH NAIL AND PUTTY. MISKO TO PROVIDE WHITE WASHED WOOD CLADDING - CLEAN SAWN; NO SAW MARKS. SELECT BATCH WITH AS LITTLE VARIATIONS IN COLOR AS POSSIBLE. GET AS LONG STUDS AS POSSIBLE TO AVOID SEAMS. IF SEAMED, KEEP SEAMING TOWARDS THE BOTTOM AND NOT ON THE TOP OR IN THE MIDDLE. GC TO INSTALL AND CUT IN FIELD AS NEEDED; DO NOT PAINT. REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS.
W3	3-1/2" WIDE PAINTED SOFT MAPLE WOOD TRIMS ABOVE AND BELOW WOOD SHROUDS	FLAT PAINT FINISH	BM OC-17 WHITE DOVE	MISKO / GC	TS-511	APPROX. 136 LF TOTAL (NOT INCLUDING WASTE)	TO BE USED WITH PAINTED WOOD SHROUDS W-10 . ALIGN TOP AND BOTOTM TRIMS TO FACE OF SHROUDS. FINISH NAIL AND PUTTY. REFER TO DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. GC TO CUT IN FIELD AND INSTALL; ANY SEAMING TO ALIGN WITH EDGE OF SHROUDS

MATERIAL SCHEDULE - FP MOVEMENT - STATION TWELVE, AMHERST, NY							
ISSUED 03/25/2025							
KEY	MATERIAL	FINISH	COLOR/STYLE	MFR/VENDOR	TSM #	S.F.	REMARKS
WOOD SHROUDS							
W10	PAINTED WHITE SOFT MAPLE WOOD SHROUDS - PRE-DRILLED (INCLUDES 8 PRE-DRILLED HOLES ON SIDES OF SHROUDS FOR DISPLAY DOWELS; 4 ON LEFT AND 4 ON RIGHT)	FLAT PAINT FINISH	BM OC-17 WHITE DOVE	MISKO / GC	TS-401	17	10'-9" HIGH SHROUDS FOR FLAT STANDARDS ON SALES WALLS. FINISH NAIL AND PUTTY. REFER TO DRAWINGS FOR LOCATIONS. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL. SECURE FROM FRONT FACE OF SHROUD AS NEEDED.
W11	PAINTED WHITE SOFT MAPLE WOOD SHROUD - SOLID (NO HOLES)	FLAT PAINT FINISH	BM OC-17 WHITE DOVE	MISKO / GC	TS-403	TYP. OF 2 SHROUDS	11'-4" HIGH FLOOR TO CEILING SOLID FAUX SHROUD TO MATCH ADJACENT STANDARDS W/ SHROUD. FINISH NAIL AND PUTTY. REFER TO DRAWINGS FOR LOCATION. MISKO TO SEND WITH A FEW INCHES EXTRA ON TOP AND BOTTOM OF SHROUDS FOR SITE CONDITIONS. GC TO CUT TO SIZE IN FIELD ON TOPS AND BOTTOMS AND INSTALL. SECURE FROM FRONT FACE OF SHROUD AS NEEDED.
WOOD BASE (BASEBOARD)							
W20	1/2" THK X 3-1/2" HIGH WOOD BASE AT PAINTED WALLS, RIPPED TO SIZE	PAINT BASE PER WALL COLOR	PAINT BASE PER WALL COLOR	GC			AT ALL WALLS WITH PAINTED FINISH AS NEEDED. PAINT TO MATCH WALL COLOR. MITERED CORNERS. FINISH NAIL AND PUTTY. SPECIES OPTIONS: CEDAR, PINE OR POPLAR. GRADE: SELECT/ CLEAR WITH MINIMAL KNOTS. REFER TO DRAWINGS FOR LOCATIONS.
MISCELLANEOUS							
X1	CUSTOM PEDIMAT 6'-0" WIDE X 3'-6" LONG, VIF TO ALIGN WITH DOOR FRAME)	--	ESPRESSO OR EQUAL	AMERICAN FLOOR MATS / GC		APPROX. 24 SF TOTAL (NOT INCLUDING WASTE)	AT STOREFRONT ENTRY. GC TO INSTALL WITH SCHLUTER STRIP IN SATIN ALUMINUM FINISH AS NEEDED AT FLOOR TRANSITIONS. REFER TO DRAWINGS FOR DIMENSIONS. GC TO PROVIDE MAT COLOR SAMPLE TO BE APPROVED BY BRAND.
X2	5'-0" ACRYLIC BHUTTI LOGO W/ IRIDESCENT FILM APPLIED ON "BACKSIDE" (MOUNTED TO TEMPLATE FOR INSTALL)	--	IRIDESCENT	FORMAN / GC	TS-520	1	(1) EMBEDDED AT CASHWRAP/BACKWRAP WALL. FORMAN TO PROVIDE, MOUNT ON TEMPLATE, AND GC TO INSTALL. REFER TO DRAWINGS FOR SIZES AND LOCATIONS.

FINISH NOTES

- FINISHES SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES AND REQUIREMENTS FOR INTERIOR FINISHES, TRIM AND DECORATIVE MATERIALS. WALL AND CEILING FINISH MATERIALS TO BE CLASSIFIED AS FOLLOWS:

FINISHES WITHIN LEASE AREA: WALL AND CEILING FINISH REQUIRED FOR SPRINKLERED SPACES:
 CLASS B: FLAME SPREAD INDEX 26-75: SMOKE-DEVELOPED INDEX 0-450 for EXIT ENCLOSURES AND EXIT PASSAGEWAYS
 CLASS C: FLAME SPREAD INDEX 76-200: SMOKE-DEVELOPED INDEX 0-450 for CORRIDORS
 CLASS C: FLAME SPREAD INDEX 76-200: SMOKE-DEVELOPED INDEX 0-450 for ROOMS AND ENCLOSED SPACES

FINISHES WITHIN LEASE AREA: WALL AND CEILING FINISH REQUIRED FOR NONSPRINKLERED SPACES:
 CLASS A: FLAME SPREAD INDEX 0-25: SMOKE-DEVELOPED INDEX 0-450 for EXIT ENCLOSURES AND EXIT PASSAGEWAYS
 CLASS B: FLAME SPREAD INDEX 26-75: SMOKE-DEVELOPED INDEX 0-450 for CORRIDORS
 CLASS C: FLAME SPREAD INDEX 76-200: SMOKE-DEVELOPED INDEX 0-450 for ROOMS AND ENCLOSED SPACES

FINISHES WITHIN MALL CONCOURSE: WALL AND CEILING FINISH REQUIRED FOR SPRINKLERED SPACES:
 CLASS B: FLAME SPREAD INDEX 26-75: SMOKE-DEVELOPED INDEX 0-450 for EXIT ENCLOSURES AND EXIT PASSAGEWAYS

- ALL COMBUSTIBLE FINISHES NOT MEETING THE REQUIRED FLAME SPREAD INDEX AND SMOKE DEVELOPED INDEX SHALL BE TREATED WITH THE FOLLOWING: FIRE RETARDANT COATINGS OF TEXAS LLC - FX LUMBER GUARD OR APPROVED EQUAL. CLEAR FIRE RETARDANT COATING / PAINT FOR WOOD. THIS PAINT / COATING SHALL BE MATTE, CLEAR WATER BASED AND NONTOXIC FORMULATION, TESTED AS PER ASTM-E84, CLASS 1 FLAME SPREAD OF 0, SMOKE DEVELOPED RATING OF 10; AND MUST BE APPROVED AND ACCEPTED BY THE LOCAL JURISDICTION FOR THE INTENDED USE, APPLICATION AS PER MFR'S INSTRUCTIONS. COATINGS MUST BE APPLIED TO ALL 6 SIDES OF A BOARD.
- UNLESS NOTED OTHERWISE ALL STEEL (TUBES, PLATES, ANGLES, FASTENERS, ETC.), STEEL WITHIN SALES AREA AND FITTING ROOM TO BE A FINISH GRADE STEEL. FINISHED PER "NATURAL" STEEL FINISH. (TYPICAL A36 HOT ROLLED SECTIONS TEND TO BE INCONSISTENT AND BUFFING EXPOSES FITTING).
- UNLESS NOTED OTHERWISE NO BASES OR TRIMS WILL BE INSTALLED AT BOTTOM EDGES OF WALLS OR AT CUTOUTS. THEREFORE, ALL EDGES OF ALL WALL SURFACES SHALL BE CUT, FINISHED AND INSTALLED IN A CLEAN AND LEVEL MANNER.



EXPIRES - 01-31-2027

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03-28-2025

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04-25-2025

SHEET TITLE :

FINISH MATERIAL SCHEDULE

SHEET NO. :

G104

WALL LEGEND

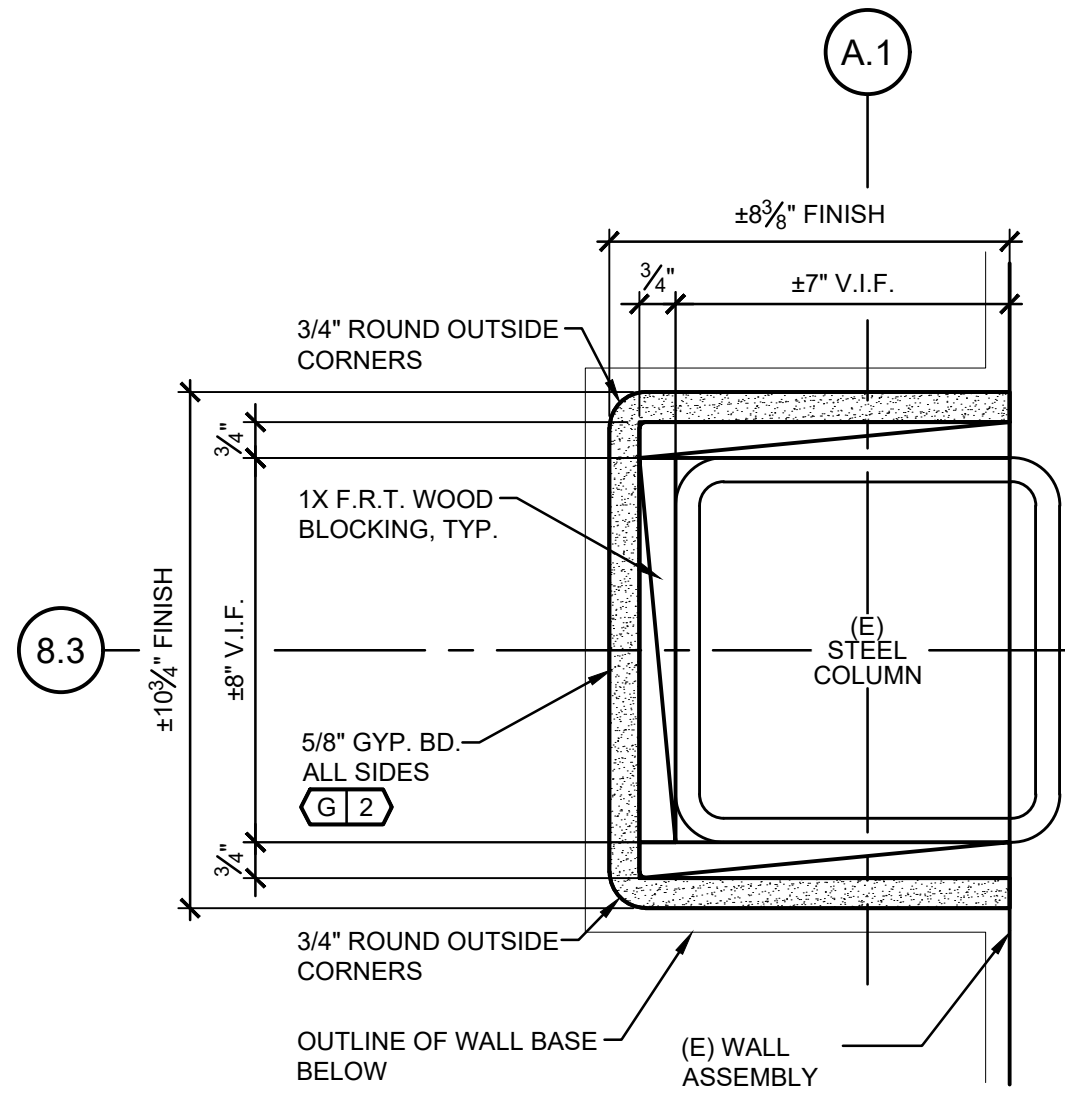
	EXISTING	EXISTING WALL STRUCTURE TO REMAIN. EXISTING DEMISING WALLS TO BE PROVIDED BY LANDLORD AS 1 HOUR RATED PARTITIONS. G.C. TO REPAIR GYP. BD. ON TENANT SIDE OF SPACE AS NEEDED TO PROTECT RATING. REFER TO KEY NOTES FOR NEW FINISHES TO BE ADDED TO EXISTING WALL.
	METAL STUD - GYP. BD.	NEW 2-1/2" x 3-5/8" @ 16" O.C. METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT STUDS PARTIAL HEIGHT OR TO 6" ABOVE ADJACENT HARD LID CEILING - BRACING WALL AS REQUIRED. REFER TO INTERIOR ELEVATIONS FOR WALL HEIGHTS AND FLOOR PLANS FOR STUD SIZES.
	METAL STUD - GYP. BD.	NEW 3-5/8", 6", 8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT WALL ASSEMBLY TO FLOOR/ROOF DECK ASSEMBLY ABOVE. REFER TO FLOOR PLANS FOR STUD SIZES.
	METAL FURRING - GYP. BD. PLYWD.	NEW 7/8" METAL HAT CHANNEL FURRING AT 16" O.C. WITH 5/8" GYPSUM BOARD ON 3/4" PLYWOOD SHEATHING (F.R.T. - FIRE RETARDANT TREATED) OF EXISTING WALL ASSEMBLY - CONSTRUCT FURRING AS REQUIRED TO ACCOMMODATE NEW FINISH.

WALL LEGEND NOMENCLATURE

E - EXISTING F - FURRING
 S - STEEL P - PARTIAL HEIGHT WALL (WALLS THAT DO NOT GO TO DECK)
 D - WALL BUILT TO DECK ABOVE (FULL HEIGHT WALL)

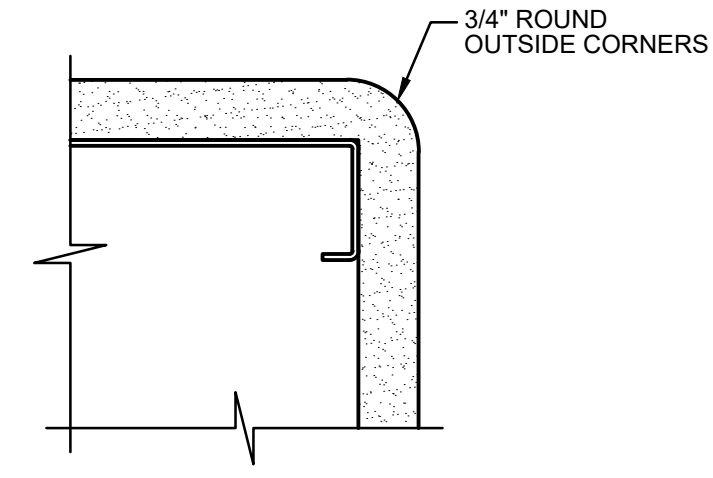
WALL LEGEND NOTES:

1. WALL LEGEND ABOVE AND NOTES THAT FOLLOW PROVIDE DIRECTION FOR PRIMARY WALL STRUCTURE. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISH DIRECTION.
2. G.C. TO INSTALL ALL REQUIRED BLOCKING FOR CASEWORK, FIXTURES, EQUIPMENT, ETC. REFER TO FLOOR PLANS, SECTIONS, DETAILS AND VENDOR SHOP DRAWINGS FOR BLOCKING TYPE AND LOCATIONS. STUD SIZES ARE IDENTIFIED ON FLOOR PLANS.
3. ALL DIMENSIONS IDENTIFIED ON FLOOR PLANS ARE TO ROUGH FRAMING (STUD TO STUD).
4. DIMENSIONS FROM EXISTING WALLS ARE TO FINISH FACE OF WALL. ALL METAL STUDS TO BE MINIMUM 20 GA UNLESS STUDS EXTEND ABOVE 15'-0" A.F.F. ALL METAL STUDS EXTENDING 15'-0" A.F.F. UP TO 19'-6" SHALL BE 16 GA @ 16" O.C.
5. G.C. TO USE MOISTURE RESISTANT GYPSUM BOARD (GREEN BOARD) ON TOILET ROOM WALLS AND DRINKING FOUNTAIN ALCOVE.
6. ROUGH DOOR OPENINGS FOR COMMON DOORS - UNLESS DIMENSIONED OTHERWISE ALL ROUGH DOOR OPENINGS TO BE LOCATED 4" OFF ADJACENT WALL AT HINGE SIDE JAMB.
7. ALL LIGHT GAUGE STUD WALLS TO BE BRACED FROM STRUCTURAL ABOVE CEILING.



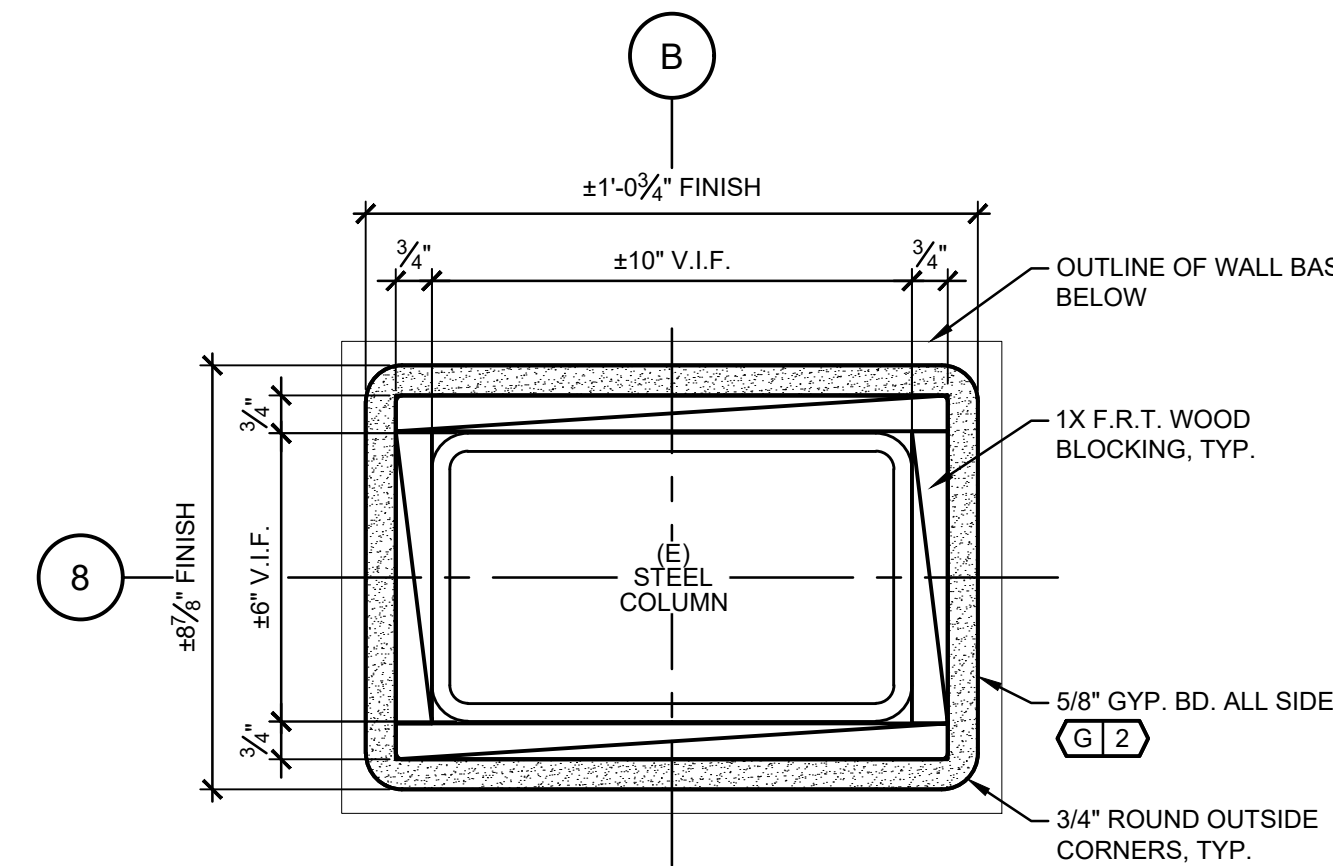
3 PLAN DETAIL - COLUMN WRAP

A100 SCALE: 3" = 1'-0"



1 DETAIL - 3/4" ROUNDED CORNER

A100 SCALE: NTS



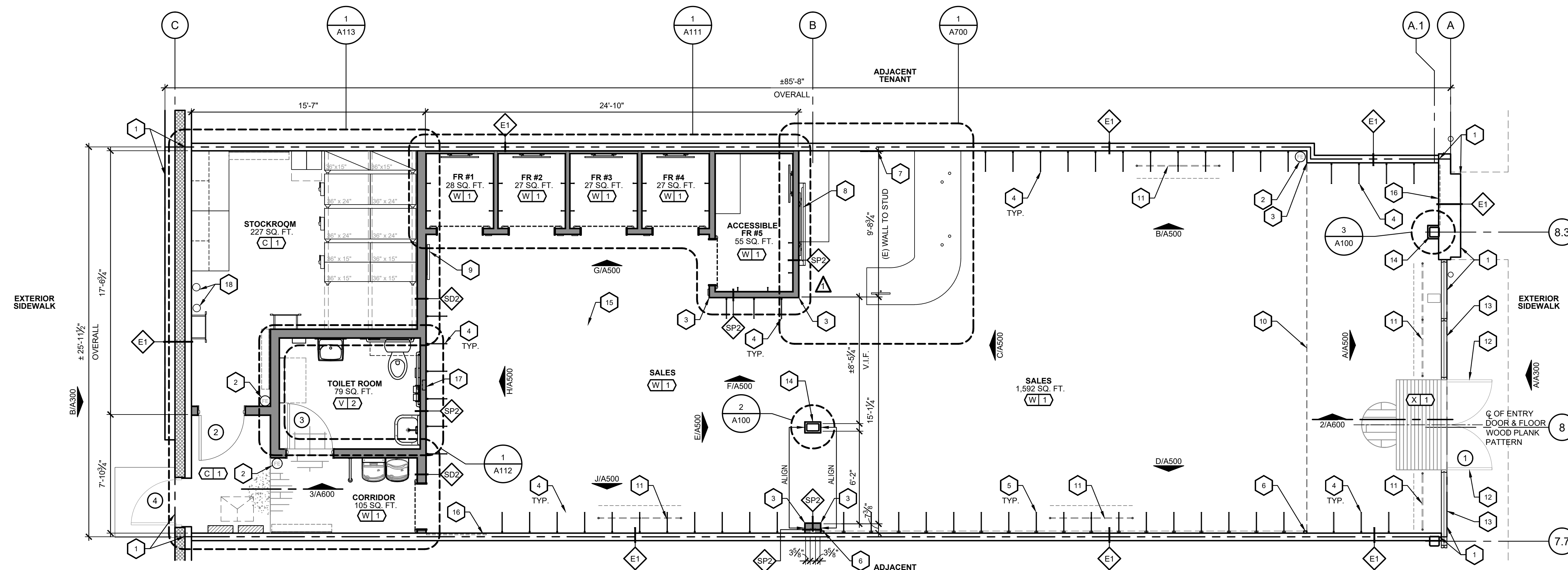
2 PLAN DETAIL - COLUMN WRAP

A100 SCALE: 3" = 1'-0"

KEY NOTES - FLOOR PLAN

1. LEASELINE.
2. PORTABLE FIRE EXTINGUISHER BY G.C. - COORDINATE EXACT LOCATION & QUANTITY WITH LOCAL FIRE OFFICIAL.
3. ROUND OUTSIDE GYPSUM BOARD CORNER BEADS, TYPICAL FOR SALES AREA. REFER TO DETAIL 1/A100
4. FLAT WALL STANDARDS. REFER TO SHEET A120 & A701
5. FLAT WALL STANDARDS W/ WOOD SHROUDS. REFER TO SHEET A120 & A701
6. SOLID FAUX WOOD SHROUD (NO HOLES) (W11)
7. ACRYLIC BHUTTI MOSAIC LOGO. REFER TO SHEET A702 AND A500 SERIES.
8. (2) TV MONITORS STACKED HORIZONTALLY, SURFACE MOUNTED. REFER TO SHEET A702.
9. SALES MIRROR. REFER TO SHEET A702 AND A500 SERIES
10. OUTLINE OF SOFFIT ABOVE.
11. CEILING MOUNTED HANGROD ABOVE. REFER TO SHEET A701
12. WINDOW FILM TO BE APPLIED TO INTERIOR SIDE OF (E) GLAZING. (GL1)
13. (E) STOREFRONT SYSTEM TO REMAIN
14. EXISTING STRUCTURAL COLUMN TO REMAIN.
15. OUTLINE OF SKYLIGHT ABOVE. REFER TO A200 AND A450.
16. G.C. TO PROVIDE IN-WALL 3/4" F.R.T. PLYWOOD BLOCKING. REFER TO A500 SERIES
17. GUY GRAY DBSS1D (82644) LOCKING SUPPLY/DRAIN BOX. PAINTED TO MATCH WALL FINISH. REFER TO PLUMBING DRAWINGS AND SHEET A702
18. EXISTING STORM RISER. V.I.F.

NOTE: REFER TO SHEET A120 FOR TENANT SUPPLIED ITEMS



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



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SHEET TITLE:
FLOOR PLAN

SHEET NO.:
A100

WALL LEGEND

	EXISTING	EXISTING WALL STRUCTURE TO REMAIN. EXISTING DEMISING WALLS TO BE PROVIDED BY LANDLORD AS 1 HOUR RATED PARTITIONS. GC TO REPAIR GYP. BD. ON TENANT SIDE OF SPACE AS NEEDED TO PROTECT RATING. REFER TO KEY NOTES FOR NEW FINISHES TO BE ADDED TO EXISTING WALL.
	METAL STUD - GYP. BD.	NEW 2-1/2" x 3-5/8" x 8' x 8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT STUDS PARTIAL HEIGHT OR TO 6" ABOVE ADJACENT HARD LID CEILINGS - BRACING WALL AS REQUIRED. REFER TO INTERIOR ELEVATIONS FOR WALL HEIGHTS AND FLOOR PLANS FOR STUD SIZES.
	METAL STUD - GYP. BD.	NEW 3-5/8" x 6" x 8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT WALL ASSEMBLY TO FLOOR/ROOF DECK ASSEMBLY ABOVE. REFER TO FLOOR PLANS FOR STUD SIZES.
	METAL FURRING - GYP. BD. PLYWD.	NEW 7/8" METAL HAT CHANNEL FURRING AT 16" O.C. WITH 5/8" GYPSUM BOARD ON 3/4" PLYWOOD SHEATHING (F.R.T. - FIRE RETARDANT TREATED) OF EXISTING WALL ASSEMBLY. CONSTRUCT FURRING AS REQUIRED TO ACCOMMODATE NEW FINISH.

WALL LEGEND NOMENCLATURE

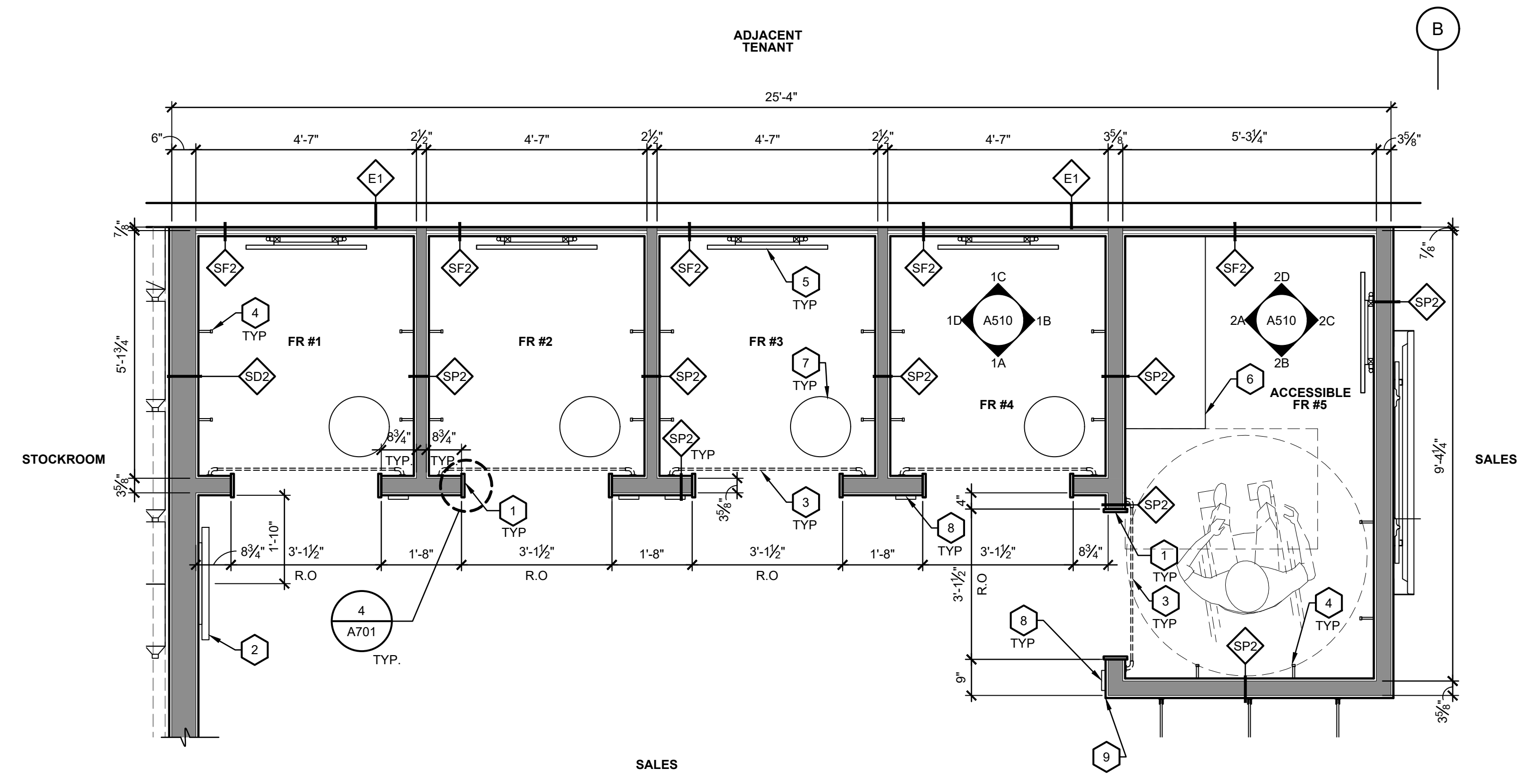
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 S - STEEL P - PARTIAL HEIGHT WALL (WALLS THAT DO NOT GO TO DECK)
 D - WALL BUILT TO DECK ABOVE (FULL HEIGHT WALL)

WALL LEGEND NOTES:

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2. G.C. TO INSTALL ALL REQUIRED BLOCKING FOR CASEWORK, FIXTURES, EQUIPMENT, ETC. REFER TO FLOOR PLANS, SECTIONS, DETAILS AND VENDOR SHOP DRAWINGS FOR BLOCKING TYPE AND LOCATIONS.
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5. DIMENSIONS FROM EXISTING WALLS ARE TO FINISH FACE OF WALL.
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9. ALL LIGHT GAUGE STUD WALLS TO BE BRACED FROM STRUCTURAL ABOVE CEILING.

KEY NOTES - ENLARGED FITTING ROOM PLAN

1. 1X WOOD END CAP / WOOD SURROUND. SEE SHEET A701. (W) 2
2. SURFACE MOUNTED WALL MIRROR. SEE SHEET A702. (GL) 2 (TS) 700
3. CURTAIN ROD - CENTERED ON OPENING, WITH TIE BACK HOOKS. (TS) 600 (TS) 601 (TS) 602 (TS) 632
4. FITTING ROOM CLOTHES HOOKS (4 PER ROOM) (TS) 630
5. SINGLE BACKLIT MIRROR. SEE SHEET A702. (GL) 2 (TS) 610
6. ACCESSIBLE BENCH G.C. TO SECURE TO WALL. (TS) 621
7. FITTING ROOM WOOD STOOL (TS) 620
8. FITTING ROOM ITEM COUNTER MOUNTED AT 5'-0" A.F.F. TO CENTER OF FIXTURE, PROVIDE BLOCKING AS NEEDED (TS) 631
9. ROUND OUTSIDE GYPSUM BOARD CORNER BEADS - TYPICAL FOR SALES FLOOR. REFER TO DETAIL ON A100.



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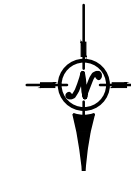


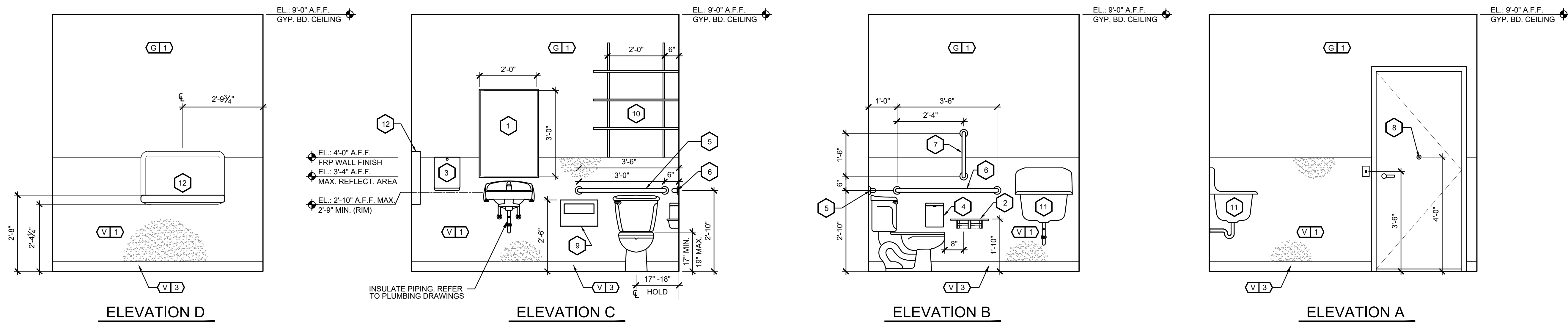
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SHEET TITLE:
ENLARGED PLAN - FITTING ROOMS

SHEET NO. :
A111





2 TYPICAL TOILETROOM ELEVATION
A112 SCALE: 1/2"=1'-0" (FOR PLACEMENT OF ACCESSORIES)

TOILET ROOM GENERAL NOTES:

1. THE TOILET ROOM SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS INCLUDING, BUT NOT LIMITED TO HANDICAPPED ACCESSIBILITY REGULATIONS.
2. ALL TOILET ROOM ACCESSORIES AND FIXTURES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL CONSTRUCTION AND MOUNTING HEIGHTS SHALL COMPLY WITH ALL APPLICABLE CITY, STATE AND FEDERAL ACCESSIBILITY REGULATIONS. COORDINATE WITH ARCHITECT FOR ALL QUESTIONABLE MOUNTING HEIGHTS.
3. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND SPECIFICATIONS REGARDING PLUMBING FIXTURES.
4. ALL TOILET ROOM FINISHES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO FINISH SCHEDULE FOR FINISHES.
5. THE PLUMBING CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH LANDLORD'S CRITERIA FOR THIS LOCATION AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA (IF APPLICABLE), WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS.
6. CONTRACTOR TO PROVIDE CONCEALED WOOD BLOCKING OR 20 GA. METAL BACKING PLATES AT ALL WALL MOUNTED TOILET ROOM ACCESSORIES.
7. CAULK ALL BATHROOM FIXTURES AND ACCESSORIES WITH WHITE DAP 50 YEAR PREMIUM ELASTOMERIC LATEX SEALANT.
8. G.C. TO VERIFY THAT WATER CLOSET FLUSH CONTROL HANDLE IS LOCATED ON THE ACCESSIBLE SIDE OF THE TOILET (NOT WALL SIDE).
9. PROVIDE LATICRETE #9235 WATERPROOFING & ANTI-FRACTURE MEMBRANE, OR EQUAL, AT BATHROOM FLOORS. INSTALL PER MANUFACTURERS RECOMMENDATIONS. CONTINUE WATERPROOFING MEMBRANE A MINIMUM OF 6" AT ALL VERTICAL SURFACES.

ACCESSIBILITY NOTE:

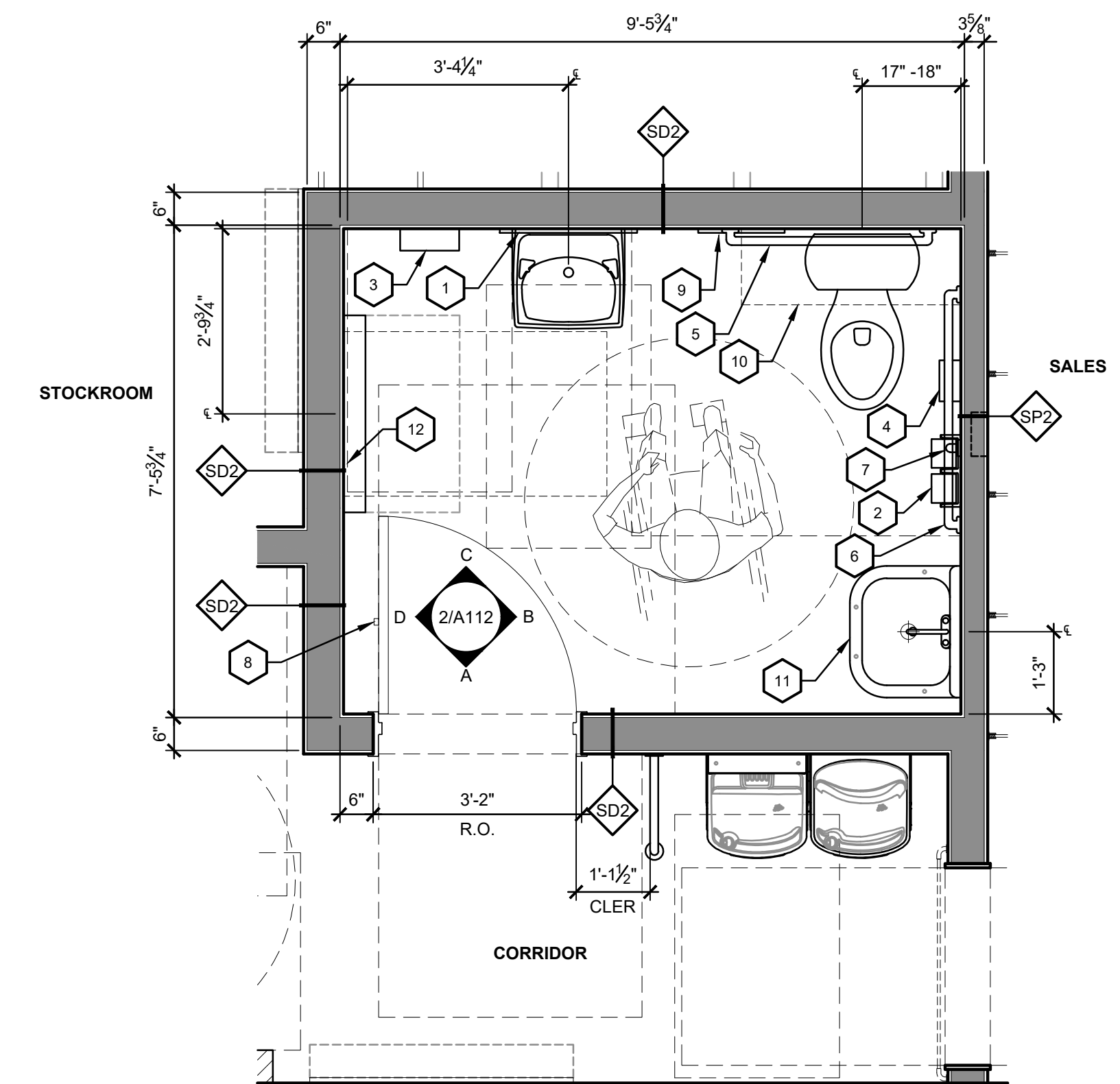
SEE G101 FOR ACCESSIBLE CLEARANCE

WALL TYPE TAGS

SEE WALL LEGEND ON A100 FOR WALL DESCRIPTIONS

TOILET ACCESSORIES SCHEDULE

DESCRIPTION	MANUFACTURER / MODEL NO.
1 MIRROR	BOBRICK B-165 2436 MIRROR WITH STAINLESS STEEL FRAME
2 TOILET PAPER DISPENSER	BOBRICK B-2840
3 PAPER TOWEL DISPENSER	BOBRICK B-2620
4 SANITARY NAPKIN DISPOSAL	BOBRICK B-270
5 36" GRAB BAR 1 1/2"	BOBRICK B-6806 X 36. ALL MOUNTING SHALL BE CONCEALED.
6 42" GRAB BAR 1 1/2"	BOBRICK B-6806 X 42. ALL MOUNTING SHALL BE CONCEALED.
7 18" GRAB BAR 1 1/2" (VERTICAL)	BOBRICK B-6806 X 18. ALL MOUNTING SHALL BE CONCEALED.
8 COAT HOOK	BOBRICK B-2116
9 TOILET SEAT COVER DISPENSER	BOBRICK B-221
10 WALL SHELVING	36" WIDE GRAY LAMINATED SHELVES, WALL STANDARDS & BRACKETS PROVIDED BY G.C.
11 SERVICE SINK	KOHLER ENAMELED CAST IRON SERVICE SINK K-6719
12 BABY CHANGING STATION	KOALA KARE PRODUCTS KB300-05 HORIZONTAL SURFACE-MOUNTED BABY CHANGING STATION



1 ENLARGED PLAN - TOILET ROOM
A112 SCALE: 1/2"=1'-0"



EXPIRES - 01-31-2027

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- ISSUE 2 - BID-PERMIT SET 03-28-2025
- ISSUE 3 - PERMIT SET 04-25-2025

SHEET TITLE:

ENLARGED PLAN / ELEVATIONS - TOILET ROOM

SHEET NO.:

A112

WALL LEGEND

	EXISTING	EXISTING WALL STRUCTURE TO REMAIN. EXISTING DEMISING WALLS TO BE PROVIDED BY LANDLORD AS 1 HOUR RATED PARTITIONS. G.C. TO REPAIR GYP. BD. ON TENANT SIDE OF SPACE AS NEEDED TO PROTECT RATING. REFER TO KEY NOTES FOR NEW FINISHES TO BE ADDED TO EXISTING WALL.
	METAL STUD - GYP. BD.	NEW 2-1/2" x 3-5/8" x 8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT STUDS PARTIAL HEIGHT OR TO 6" ABOVE ADJACENT HARD LID CEILINGS - BRACING WALL AS REQUIRED. REFER TO INTERIOR ELEVATIONS FOR WALL HEIGHTS AND FLOOR PLANS FOR STUD SIZES.
	METAL STUD - GYP. BD.	NEW 3-5/8" x 8" x 8" METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES. CONSTRUCT WALL ASSEMBLY TO FLOOR/ROOF DECK ASSEMBLY ABOVE. REFER TO FLOOR PLANS FOR STUD SIZES.
	METAL FURRING - GYP. BD. - PLYWD.	NEW 7/8" METAL HAT CHANNEL FURRING AT 16" O.C. WITH 5/8" GYPSUM BOARD ON 3/4" PLYWOOD SHEATHING (F.R.T. - FIRE RETARDANT TREATED) O' EXISTING WALL ASSEMBLY - CONSTRUCT FURRING AS REQUIRED TO ACCOMMODATE NEW FINISH.

WALL LEGEND NOMENCLATURE

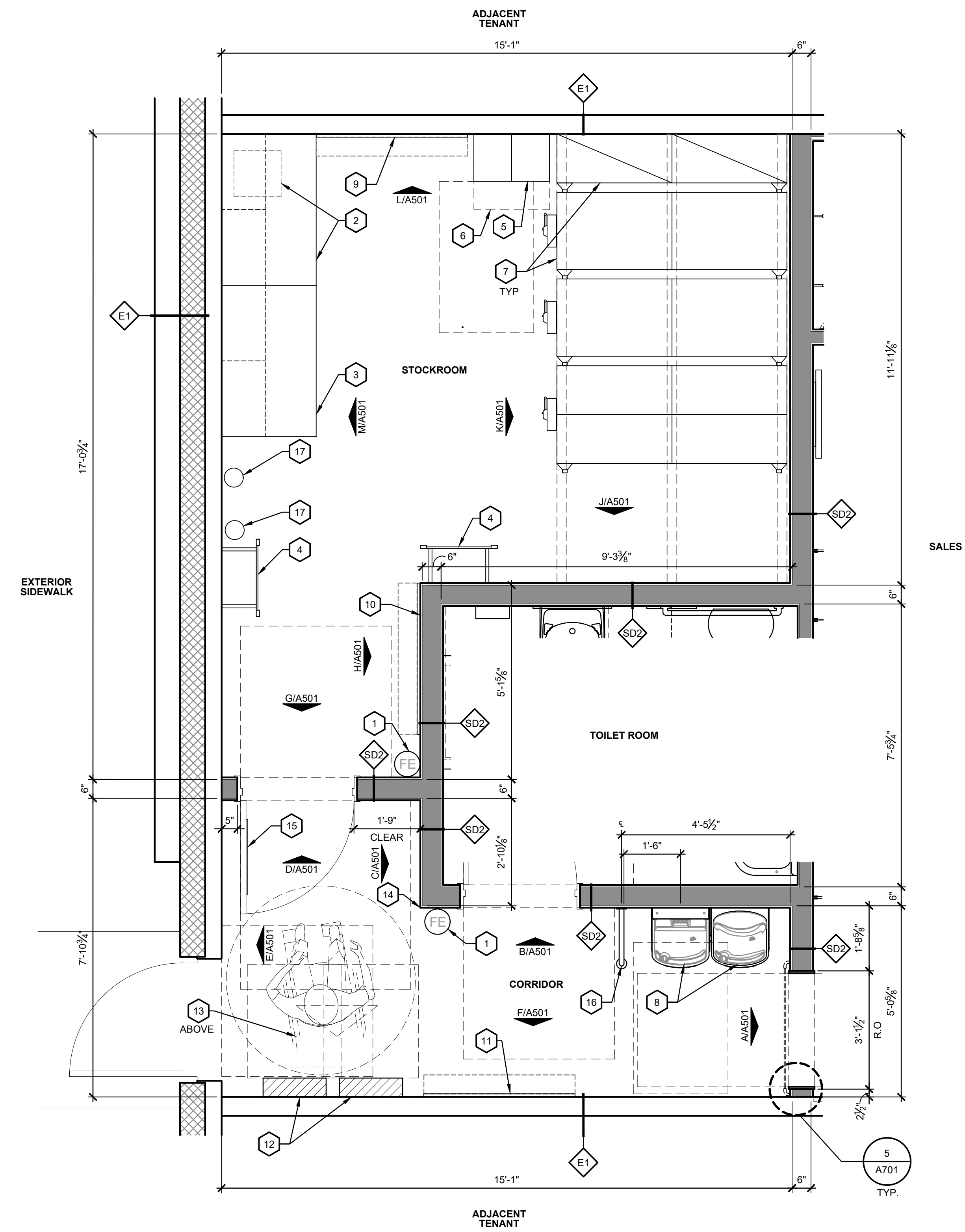
E - EXISTING F - FURRING
 S - STEEL P - PARTIAL HEIGHT WALL (WALLS THAT DO NOT GO TO DECK)
 D - WALL BUILT TO DECK ABOVE (FULL HEIGHT WALL)

WALL LEGEND NOTES:

- WALL LEGEND ABOVE AND NOTES THAT FOLLOW PROVIDE DIRECTION FOR PRIMARY WALL STRUCTURE. REFER TO FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR WALL FINISH DIRECTION.
- G.C. TO INSTALL ALL REQUIRED BLOCKING FOR CASEWORK, FIXTURES, EQUIPMENT, ETC. REFER TO FLOOR PLANS, SECTIONS, DETAILS AND VENDOR SHOP DRAWINGS FOR BLOCKING TYPE AND LOCATIONS.
- STUD SIZES ARE IDENTIFIED ON FLOOR PLANS.
- ALL DIMENSIONS IDENTIFIED ON FLOOR PLANS ARE TO ROUGH FRAMING (STUD TO STUD).
- DIMENSIONS FROM EXISTING WALLS ARE TO FINISH FACE OF WALL.
- ALL METAL STUDS TO BE MINIMUM 20 GA UNLESS STUDS EXTEND ABOVE 15'-0" A.F.F. ALL METAL STUDS EXTENDING 15'-0" A.F.F. UP TO 19'-6" SHALL BE 16 GA @ 16" O.C.
- G.C. TO USE MOISTURE RESISTANT GYPSUM BOARD (GREEN BOARD) ON TOILET ROOM WALLS AND DRINKING FOUNTAIN ALCOVE. ROUGH DOOR OPENINGS FOR COMMON DOORS - UNLESS DIMENSIONED OTHERWISE ALL ROUGH DOOR OPENINGS TO BE LOCATED 4" OFF ADJACENT WALL AT HINGE SIDE JAMB. ALL LIGHT GAUGE STUD WALLS TO BE BRACED FROM STRUCTURAL ABOVE CEILING.

KEY NOTES - ENLARGED B.O.H. PLAN

- PORTABLE FIRE EXTINGUISHER BY G.C. COORDINATE EXACT LOCATIONS & QUANTITY WITH LOCAL FIRE OFFICIAL.
- MANAGER'S DESK W/ FLOOR MOUNTED SAFE BELOW.
- RECEIVING DESK.
- HANGER TIGHT. MANAGEMENT SYSTEM.
- EMPLOYEE LOCKERS.
- WALL DATA CABINET. REFER TO A500 SERIES AND ELECTRICAL DRAWINGS.
- FIXED / MOBILE SHELVING SYSTEM.
- H/I/LOW DRINKING FOUNTAIN W/ BOTTLE FILLER. REFER TO PLUMBING DRAWINGS
- 4' X 8' PLYWOOD SHEET MOUNTED TO WALL.
- 4' X 8' PLYWOOD SHEET MOUNTED TO WALL WITH LADDER STORAGE.
- TELE / DATA BOARD TO REMAIN. REFER TO ELECTRICAL DRAWINGS.
- (E) ELECTRICAL PANELS & EQUIPMENT TO REMAIN - REFER TO ELECTRICAL DRAWINGS.
- (E) SUSPENDED TRANSFORMER TO REMAIN - REFER TO ELECTRICAL DRAWINGS.
- CORNER GUARD - G.C. TO PROVIDE & INSTALL 1 1/2" X 1 1/2" X 36" GALVANIZED CORNER GUARD FOR WALL STOCKROOM OUTSIDE CORNERS OF GYPSUM BOARD.
- HOMASOTE PANEL ON FACE OF DOOR - STOCKROOM SIDE.
- CANE GUARD - BOBRICK 819298. G.C. TO INSTALL PER MANUFACTURER'S RECOMMENDATION
- EXISTING STORM RISER. V.I.F.



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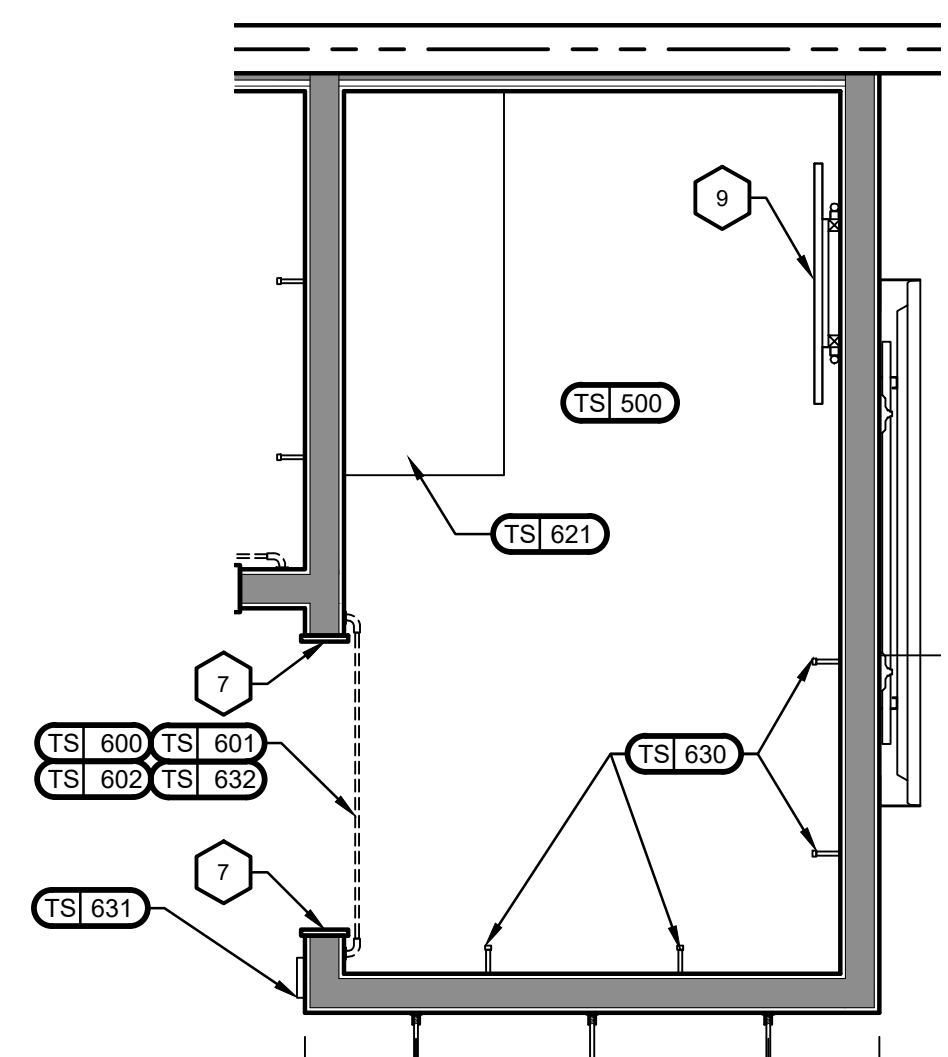
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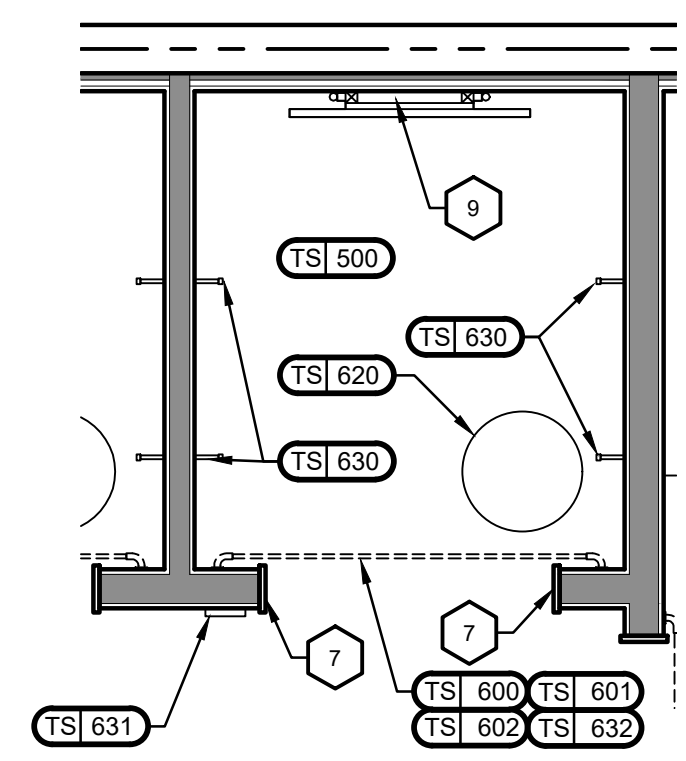
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NOTE: REFER TO SHEET G103 FOR TSM DESCRIPTIONS



2 **DETAIL PLAN - ACCESSIBLE F.R.**
A120 SCALE: 1/2"=1'-0"



1 **DETAIL PLAN - TYPICAL F.R.**
A120 SCALE: 1/2"=1'-0" (TYPICAL FITTING ROOM)

FIXTURE FLOOR PLAN KEY NOTES

- 1 CUSTOM CURVED CASHWRAP - REFER TO SHEET A700. (TSI 220)
- 2 6'-0 3/4" LONG BACKWRAP - REFER TO SHEET A700. (TSI 221)
- 3 TV SCREEN. G.C. TO PROVIDE METAL SHROUD. REFER TO SHEET A702. (TSI 008)
- 4 9'-4" FLAT SURFACE MOUNTED WALL STANDARDS, POWDER COATED - REFER TO SHEET A701. (TSI 402)
- 5 9'-10" FLAT SURFACE MOUNTED WALL STANDARDS, w/ WOOD SHROUD - REFER TO SHEET A701. (TSI 400 TSI 401)
- 6 WOOD SHROUDS WITH NO HOLES. (TSI 403)
- 7 WOOD SURROUND, ALIGN w/ FACE OF WOOD BASE. REFER TO SHEET A701. (TSI 510)
- 8 5'-0" H ACRYLIC MOSAIC LOGO EMBEDDED IN WALL. ASSEMBLE & MOUNT ON TEMPLATE BY VENDOR, G.C. TO INSTALL. REFER TO SHEET A702. (TSI 520)
- 9 BACKLIT SURFACE MOUNTED MIRROR FRAME FASTENED TO WALL BY G.C., REFER TO SHEET A702. (TSI 610)
- 10 ROUND SURFACE MOUNTED MIRROR, REFER TO SHEET A702. (TSI 700)
- 11 3'-9" CEILING HANG ROD, REFER TO SHEET A701. (TSI 710)
- 12 5'-6" CEILING HANG ROD, REFER TO SHEET A701. (TSI 712)
- 13 7'-6" CEILING HANG ROD, REFER TO SHEET A701. (TSI 711)
- 14 OUTLINE OF SOFFIT, ABOVE.
- 15 OUTLINE OF EXISTING CANOPY, ABOVE.

FIXTURE DIMENSION NOTES

1. ALL DIMENSIONS ARE FROM FINISHED WALLS TO CENTERLINE OF FIXTURES U.N.O.
2. "EQ" STANDS FOR EQUAL DIMENSION IN THAT DIMENSION STRING ONLY
3. WALL FIXTURES CENTERED WITH APPARENT WALLS OR ITEMS, TYPICAL

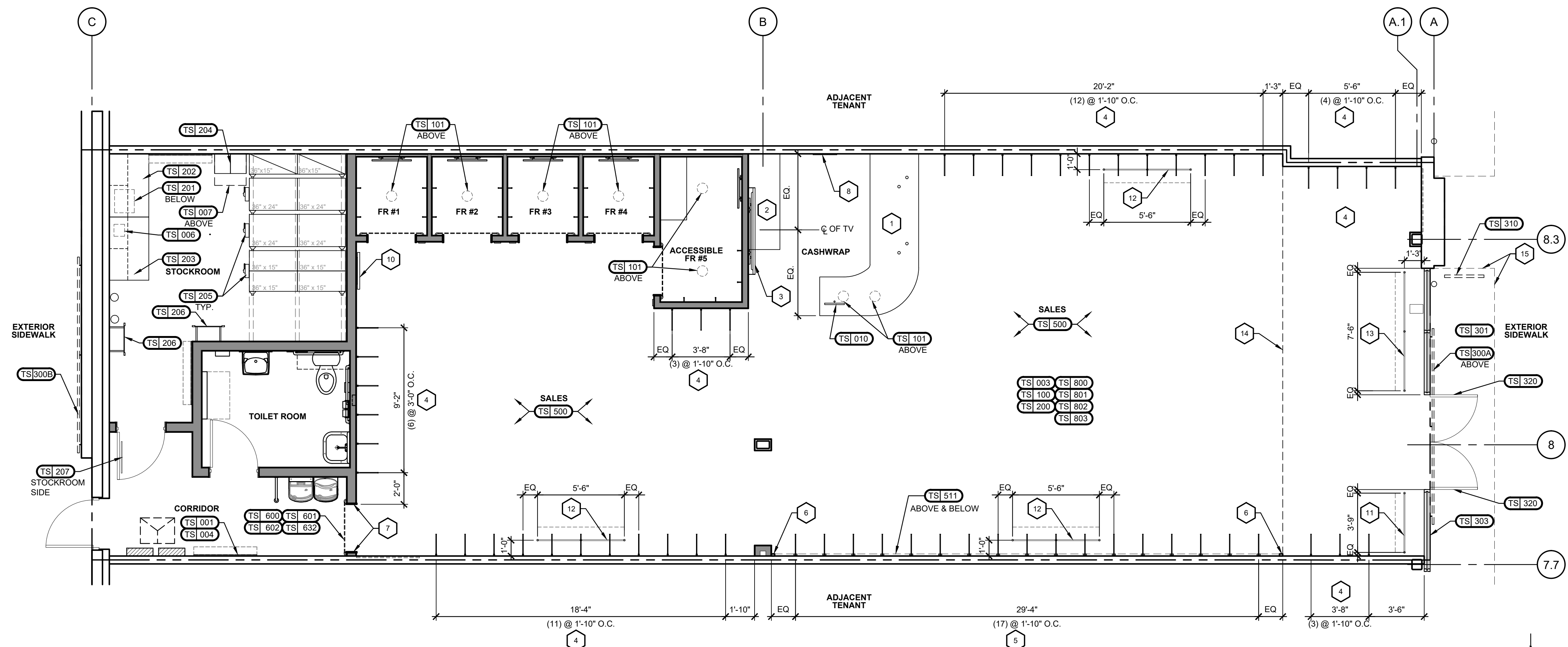


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FIXTURE FLOOR PLAN
SCALE: 1/4"=1'-0"

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FIXTURE FLOOR PLAN

SHEET NO.:

A120

CEILING LEGEND

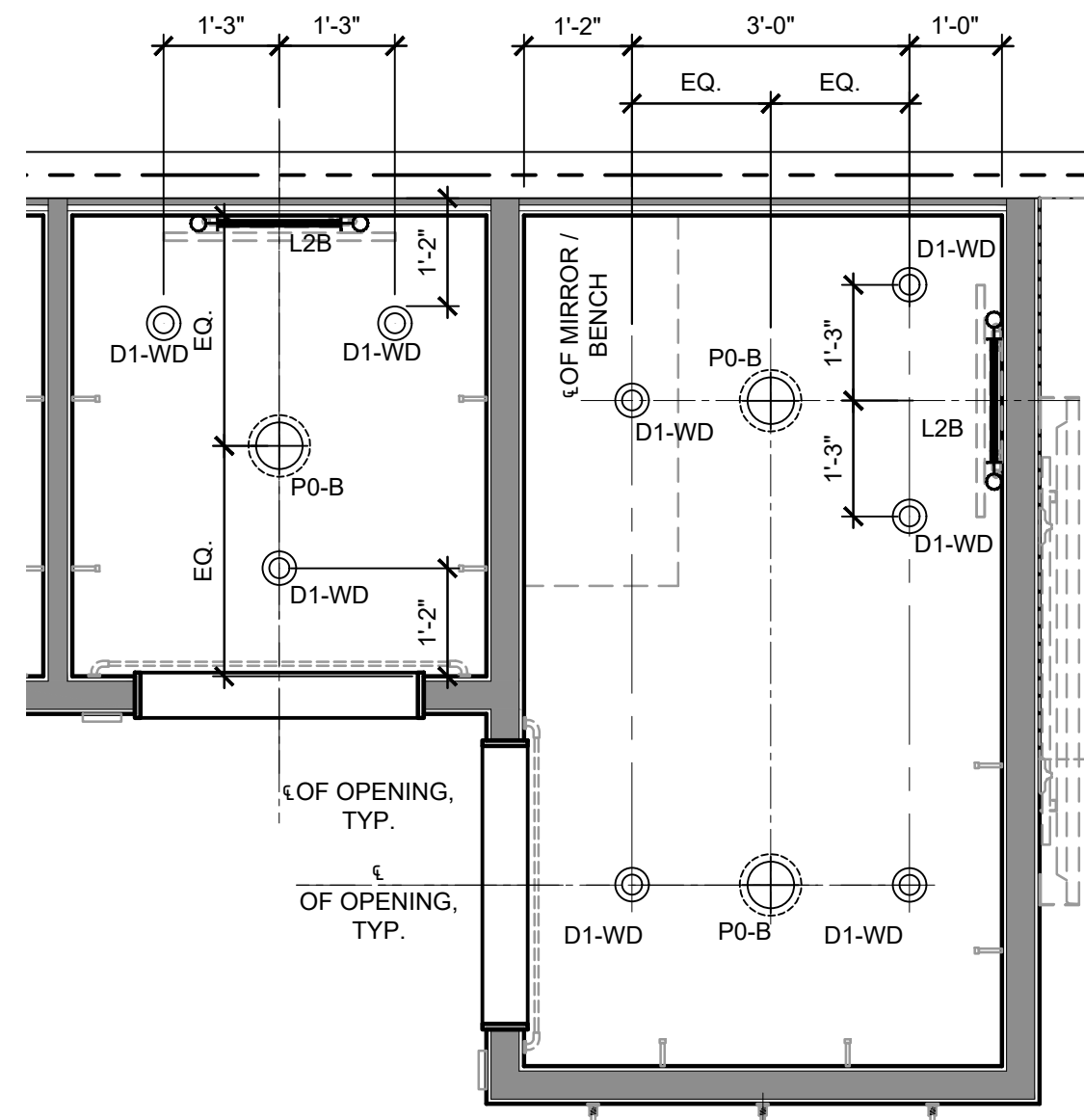
TYPE	DESCRIPTION
	SUPPLY AIR DIFFUSER REFER TO MECHANICAL DRAWINGS
	RETURN AIR / EXHAUST AIR GRILLE REFER TO MECHANICAL DRAWINGS
	G.C. TO INSTALL CEILING ACCESS PANELS AS NEEDED. PAINT TO MATCH ADJACENT CEILING FINISHES. REFER TO DETAIL 2/A200
	SPEAKERS, REFER TO VENDOR AND ELECTRICAL DRAWINGS
	CEILING RECEPTACLE REFER TO ELECTRICAL DRAWINGS
	EMERGENCY AND EXIT LIGHTING WITH BATTERY BACK-UP. REFER TO ELECTRICAL DRAWINGS
	CEILING MOUNTED EXIT SIGNS TO CENTER ABOVE DOORS AND OPENINGS, LOCATE 3" FROM WALL
	CEILING / PENDANT MOUNTED PEOPLE COUNTER. REFER TO ELECTRICAL DRAWINGS
	SUSPENDED STRIP LIGHT AT ±13'-0" A.F.F. / SURFACE MOUNTED AT GYPSUM BOARD CEILINGS

CEILING PLAN - GENERAL NOTES

- LIGHTING PLAN SHOWN FOR FIXTURE LAYOUT & DIMENSIONAL REFERENCE ONLY. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- UNLESS NOTED OTHERWISE, ELEVATION DATUMS ARE TAKEN FROM "TOP OF SLAB".
- FLUORESCENT LIGHT FIXTURES IN BACK OF HOUSE AREAS WITHOUT CEILING ASSEMBLIES TO BE MOUNTED AT 12'-0" A.F.F.
- SHOULD A CONFLICT WITH MECHANICAL OR PLUMBING EQUIPMENT WHEN INSTALLING BACK OF HOUSE FLUORESCENT LIGHTING, G.C. TO INSTALL UNISTRUT AS REQUIRED FOR FIXTURE MOUNTING.
- MATERIALS IN CONCEALED SPACES SHALL COMPLY WITH ALL APPLICABLE CODES.
- STORAGE SHELVING TO BE A MINIMUM OF 18" BELOW BOTTOM OF SPRINKLER HEADS.
- FOR SPEAKER INFORMATION REFER TO VENDOR DRAWINGS.
- WALL MOUNTED EXIT SIGNS TO BE MOUNTED 12" ABOVE DOOR HEAD.

LIGHTING MOUNTING HEIGHTS

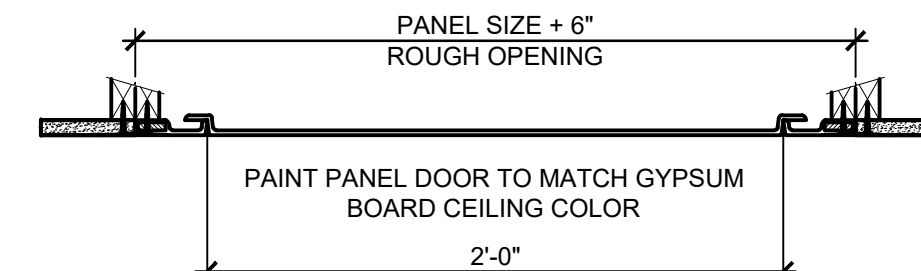
- P0-A 6'-0" AFF TO B.O. SHADE; NOT BULB, TYP. OF 2 SHADE TO BE PROVIDED AND INSTALLED BY UOI.
- P0-B 8'-6" AFF TO B.O. SHADE; NOT BULB, TYP. OF 5 SHADE TO BE PROVIDED AND INSTALLED BY UOI.
- TT SURFACE MOUNTED TRACK.
- TS B.O. SUSPENDED TRACK TO ALIGN WITH SOFFIT @ 11'-4" V.I.F.



3 ENLARGED REFLECTED CEILING DIMENSION PLAN
A200 SCALE: 1/2"=1'-0" (FITTING ROOMS)

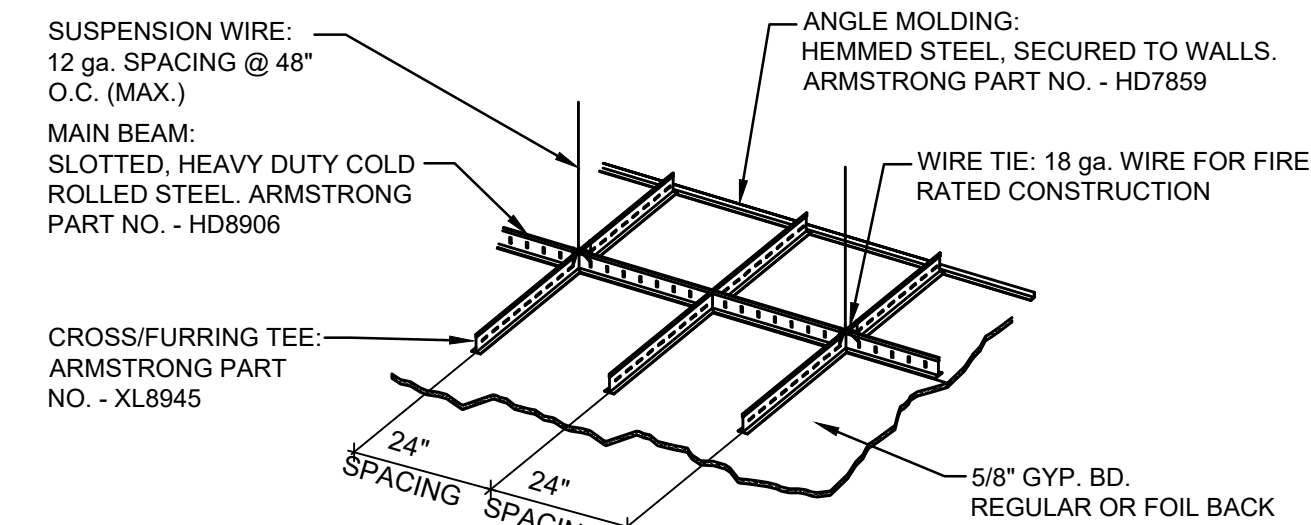
INTEXFORMS INC. CEILING ACCESS PANELS: LIFT & SHIFT PANEL
RADIUS CORNERS - SIZE PER PLAN, ASSEMBLY WEIGHT 10LBS.

NOTE:
G.C. TO LOCATE CEILING ACCESS PANELS AS REQUIRED FOR EASY ACCESS TO SERVICE HVAC COMPONENTS & LANDLORD EQUIPMENT.



INTEX FORMS INC., PHONE: (916) 388-9933 OR APPROVED EQUAL

2 DETAIL- GYP. BD. CEILING ACCESS PANEL
A200 SCALE: N.T.S.

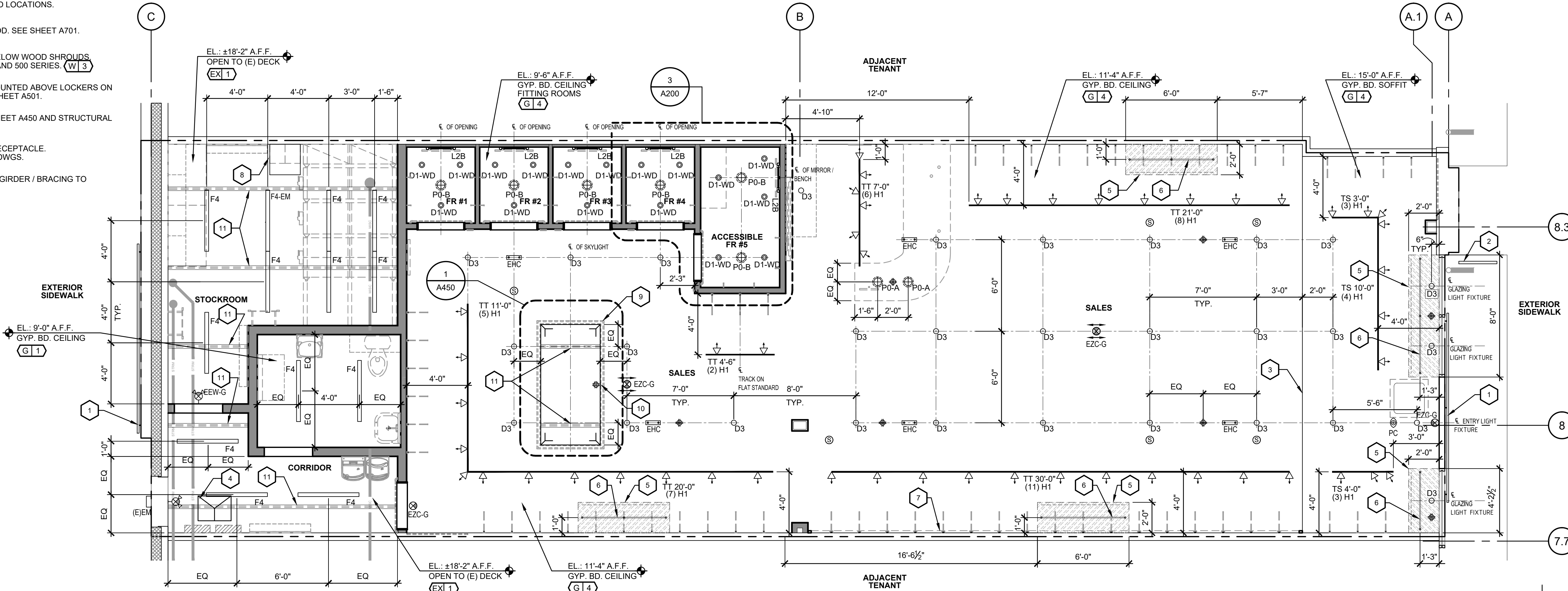


THE SUSPENDED GYPSUM BOARD CEILING FRAMING SHOWN IS BASED UPON THE ARMSTRONG SYSTEM. USG CEILING SYSTEM IS SIMILAR & AN ACCEPTED SUBSTITUTE. CONSULT W/ OWNER & ARCHITECT IF MFG. CHANGES ARE MADE. THE USE OF BLACK IRON & HAT CHANNEL IS NOT AN ACCEPTED SUBSTITUTE AS LIGHT FIXTURE HOUSINGS WILL NOT ADEQUATELY CLEAR FRAMING.

1 DETAIL- SUSPENDED CEILING
A200 SCALE: N.T.S.

REFLECTED CEILING PLAN KEY NOTES

- SIGNAGE BY OTHERS. SEPARATE PERMIT.
- BLADE SIGN BY OTHERS. SEPARATE PERMIT.
- GYP. BD. SOFFIT OUTSIDE CORNERS TO HAVE 3/4" ROUNDED CORNER. REFER TO DETAIL 1/A100 (G12)
- (E) SUSPENDED TRANSFORMER TO REMAIN - REFER TO ELECTRICAL DRAWINGS.
- PROVIDE 3/4" F.R.T. PLYWOOD BLOCKING ABOVE GYP. BD. CEILING AT HATCHED LOCATIONS.
- SUSPENDED CEILING ROD. SEE SHEET A701.
- WOOD TRIM ABOVE & BELOW WOOD SHROUDS REFER TO SHEET A701 AND 500 SERIES. (W13)
- WALL DATA CABINET MOUNTED ABOVE LOCKERS ON B.O.H SIDE. REFER TO SHEET A501.
- SKYLIGHT - REFER TO SHEET A450 AND STRUCTURAL DRAWINGS.
- HORIZONTAL DUPLEX RECEPTACLE. REFER TO ELECTRICAL DWGS.
- EXISTING STEEL JOIST / GIRDER / BRACING TO REMAIN. (P11)



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



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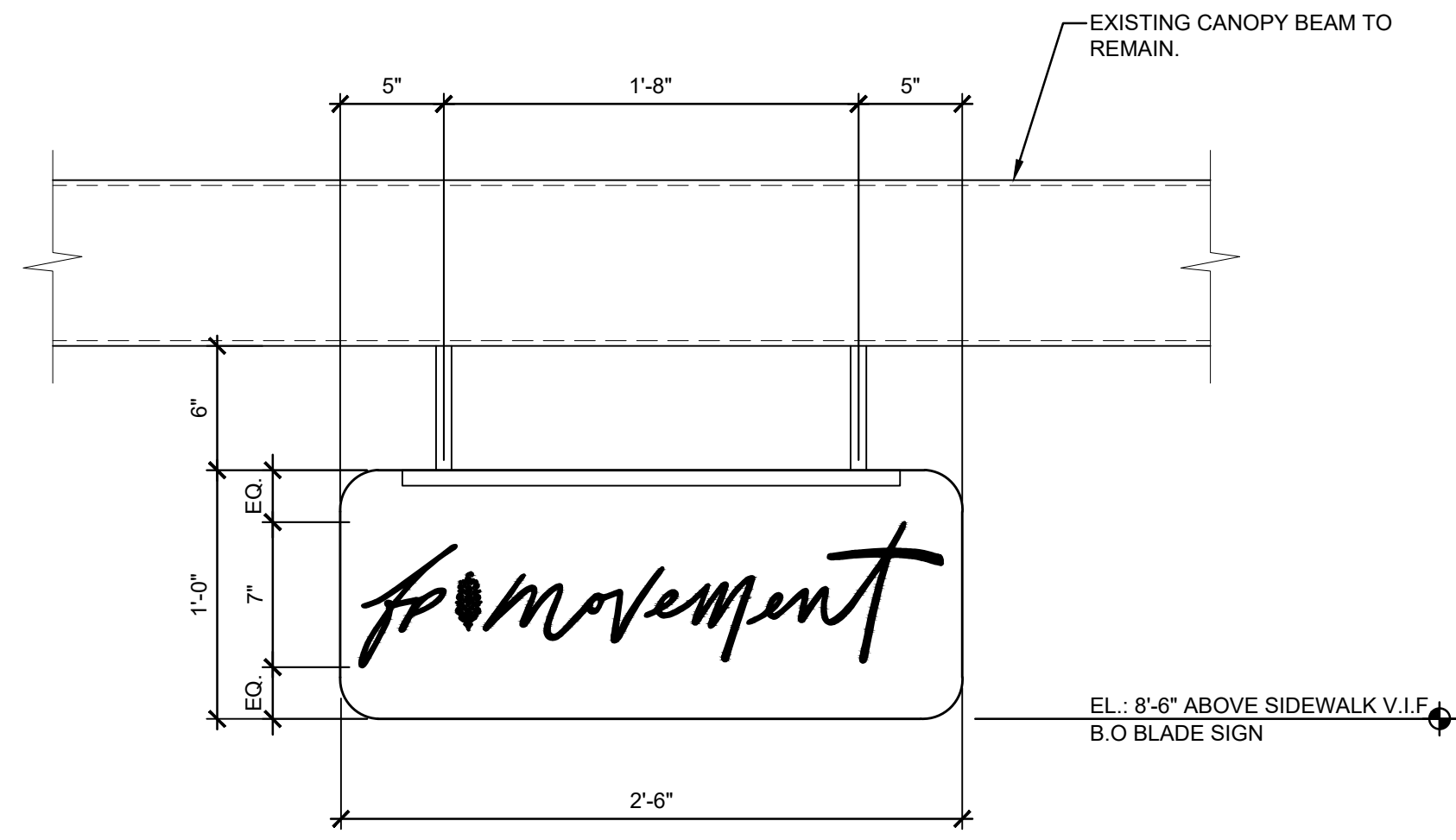
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SHEET TITLE:
REFLECTED CEILING PLAN

SHEET NO. :
A200

SIGNAGE NOTE:

1. REFER TO TSM AND MATERIAL SCHEDULE FOR MORE INFORMATION
2. G.C. TO PROVIDE BLOCKING AS REQUIRED
3. SEPARATE PERMIT



C BLADE SIGN ELEVATION
A300 SCALE: 1 1/2"=1'-0" (TS) 310

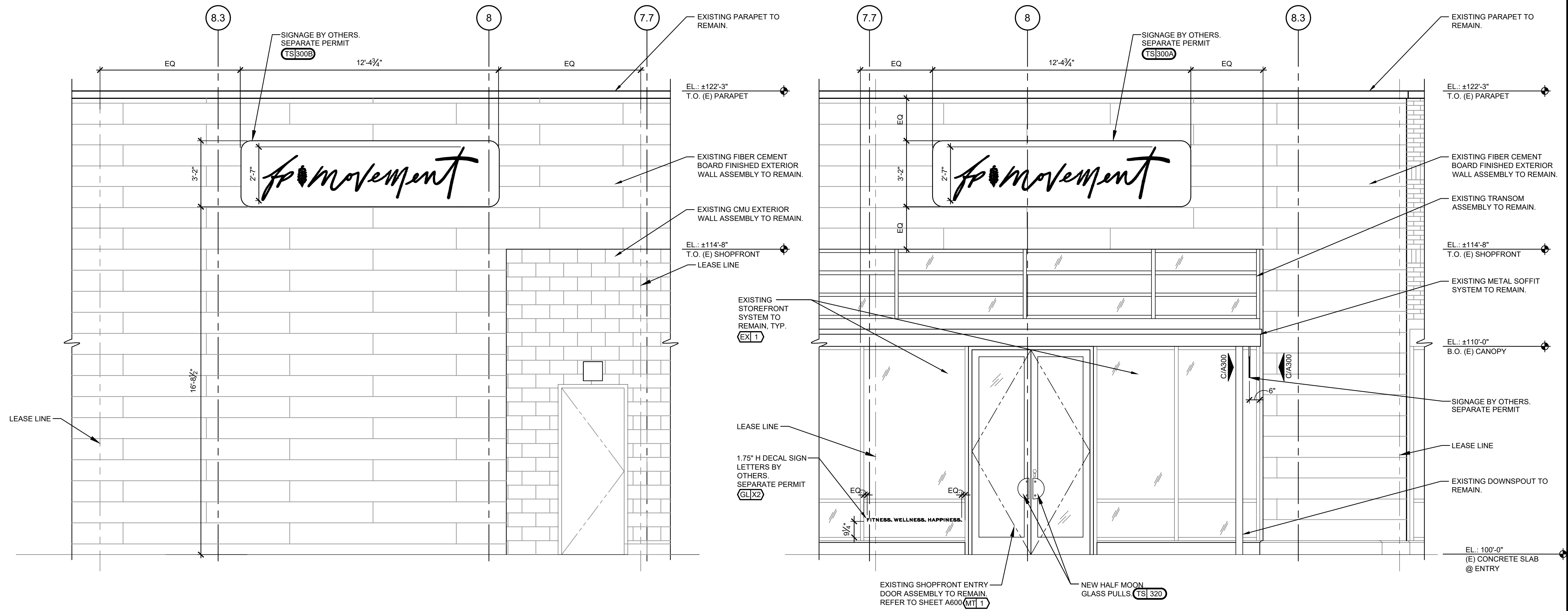


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B SHOPFRONT ELEVATION
A300 SCALE: 3/8"=1'-0"

NOTE:
G.C. SHALL CLEAN, REPAIR, AND TOUCH-UP EXISTING EXTERIOR WALL FINISH AND SHOPFRONT ASSEMBLY AS REQUIRED

A SHOPFRONT ELEVATION
A300 SCALE: 3/8"=1'-0"

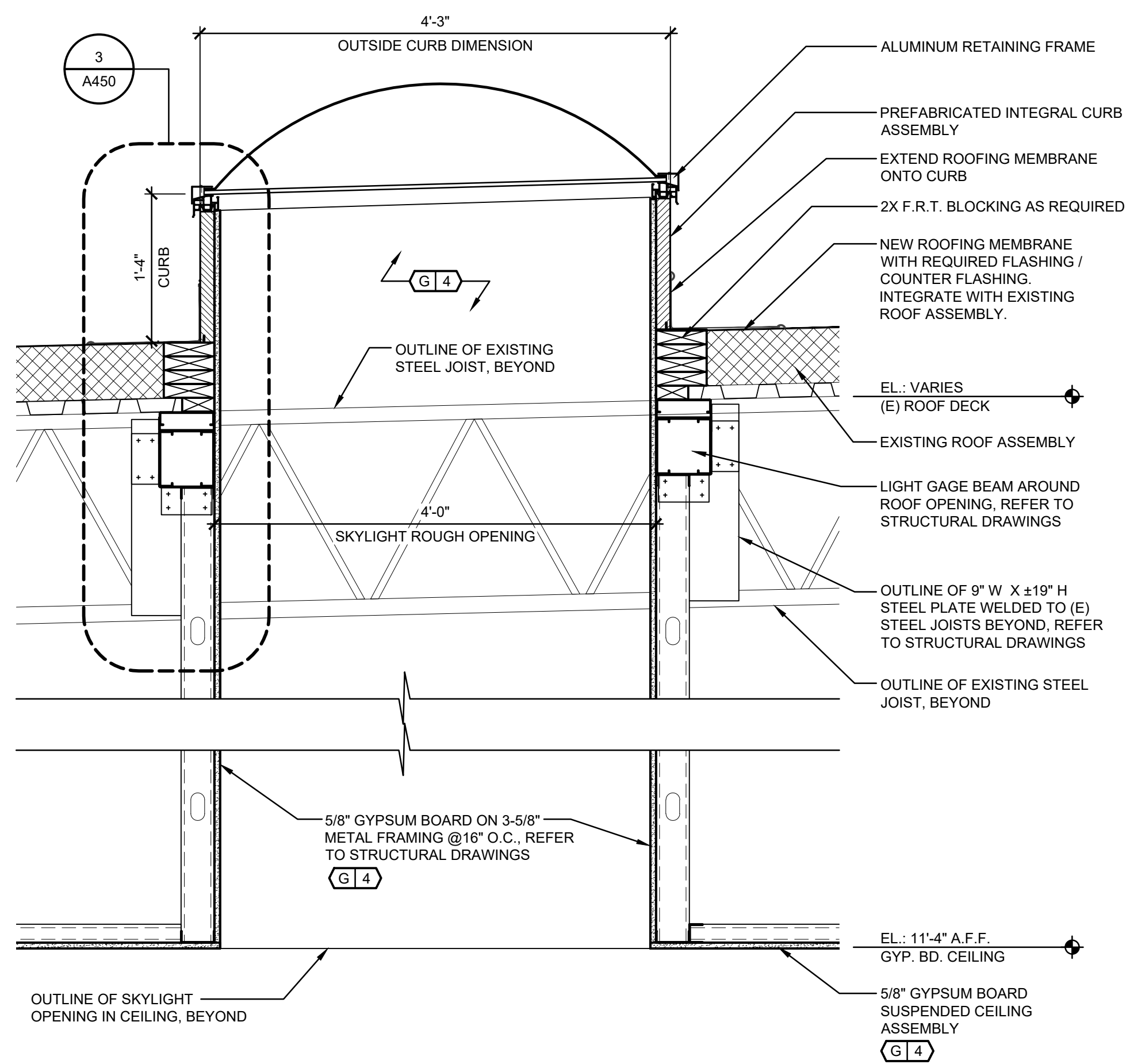
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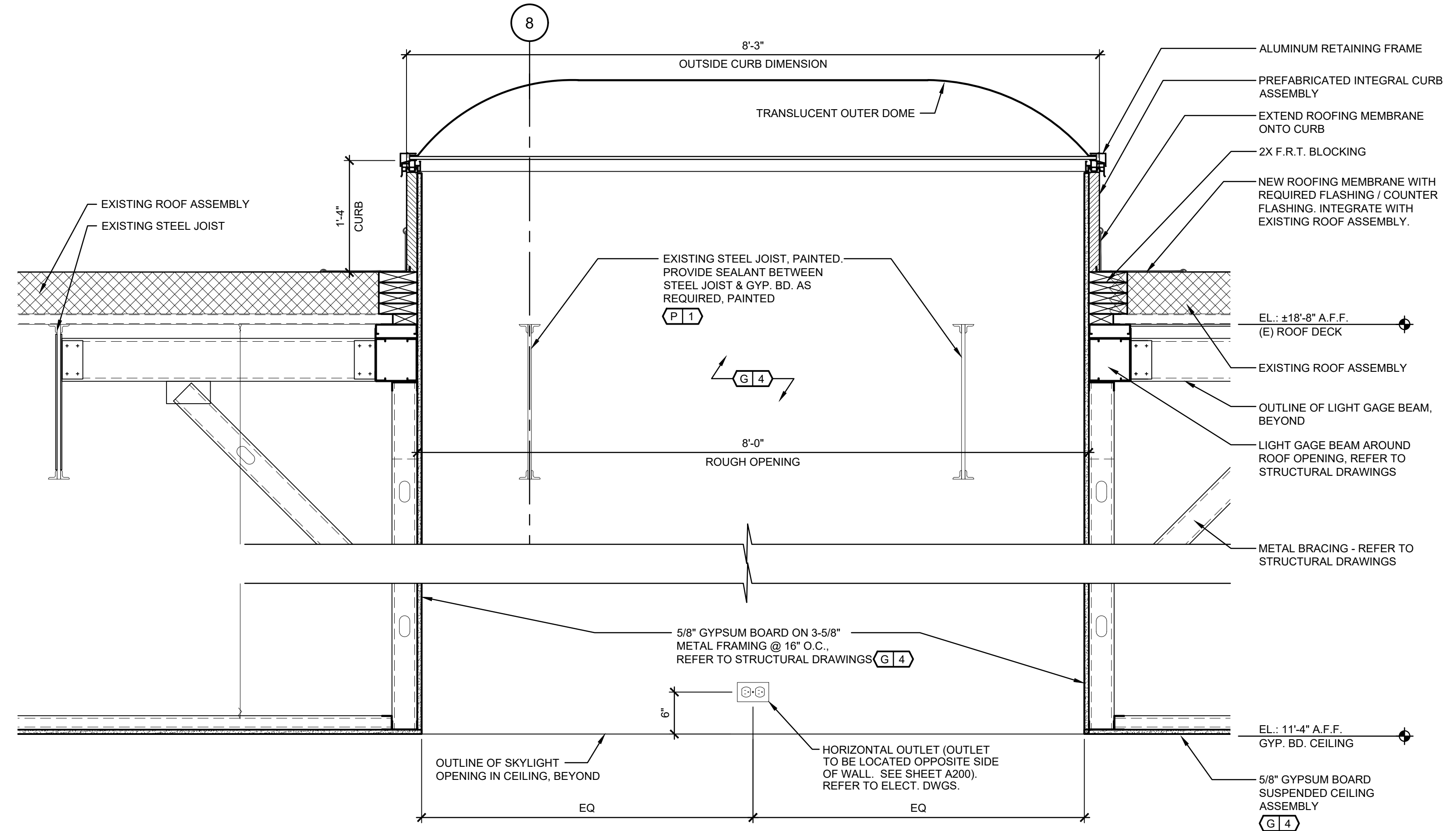
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SHEET TITLE:
SHOPFRONT ELEVATIONS

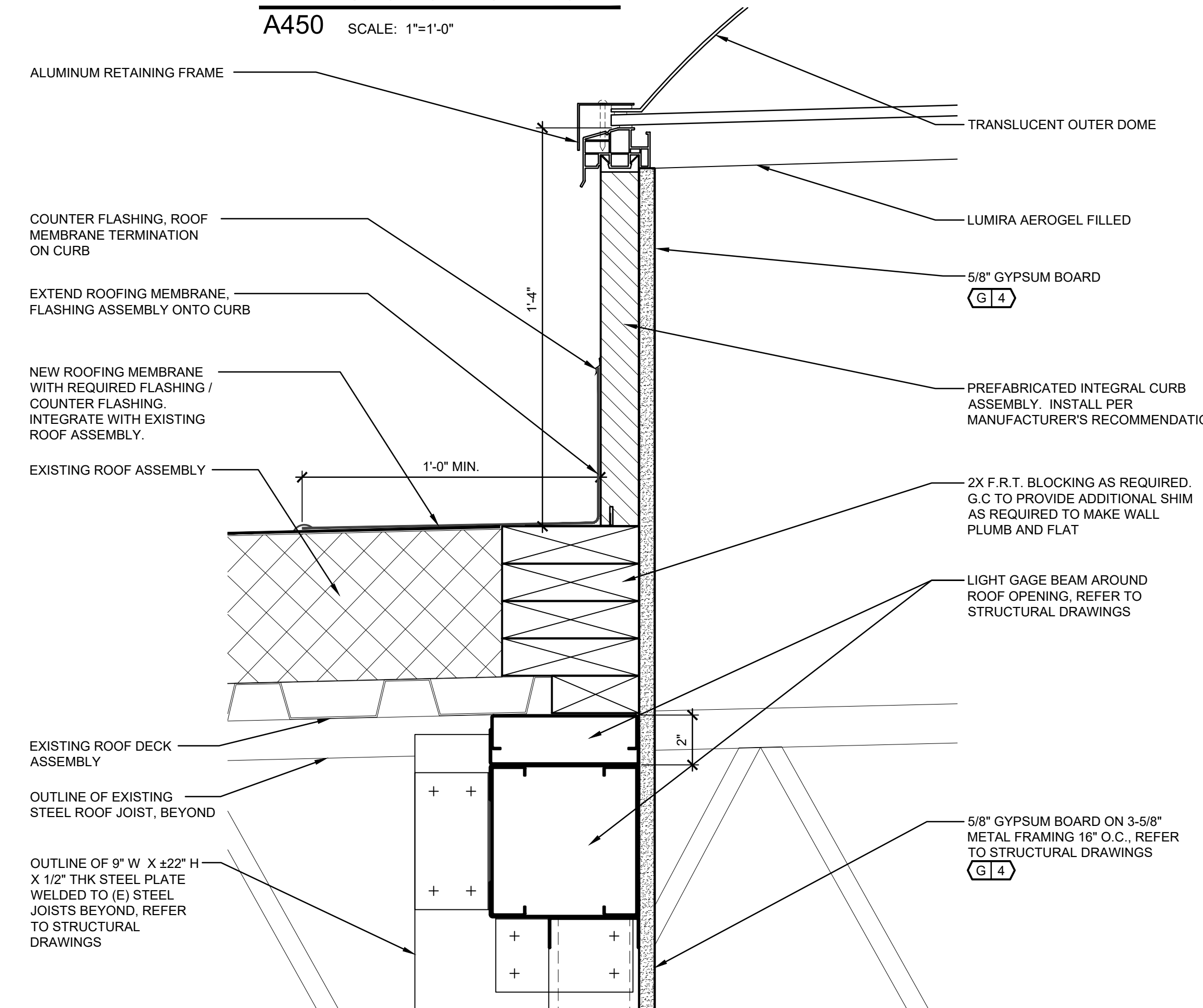
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A300



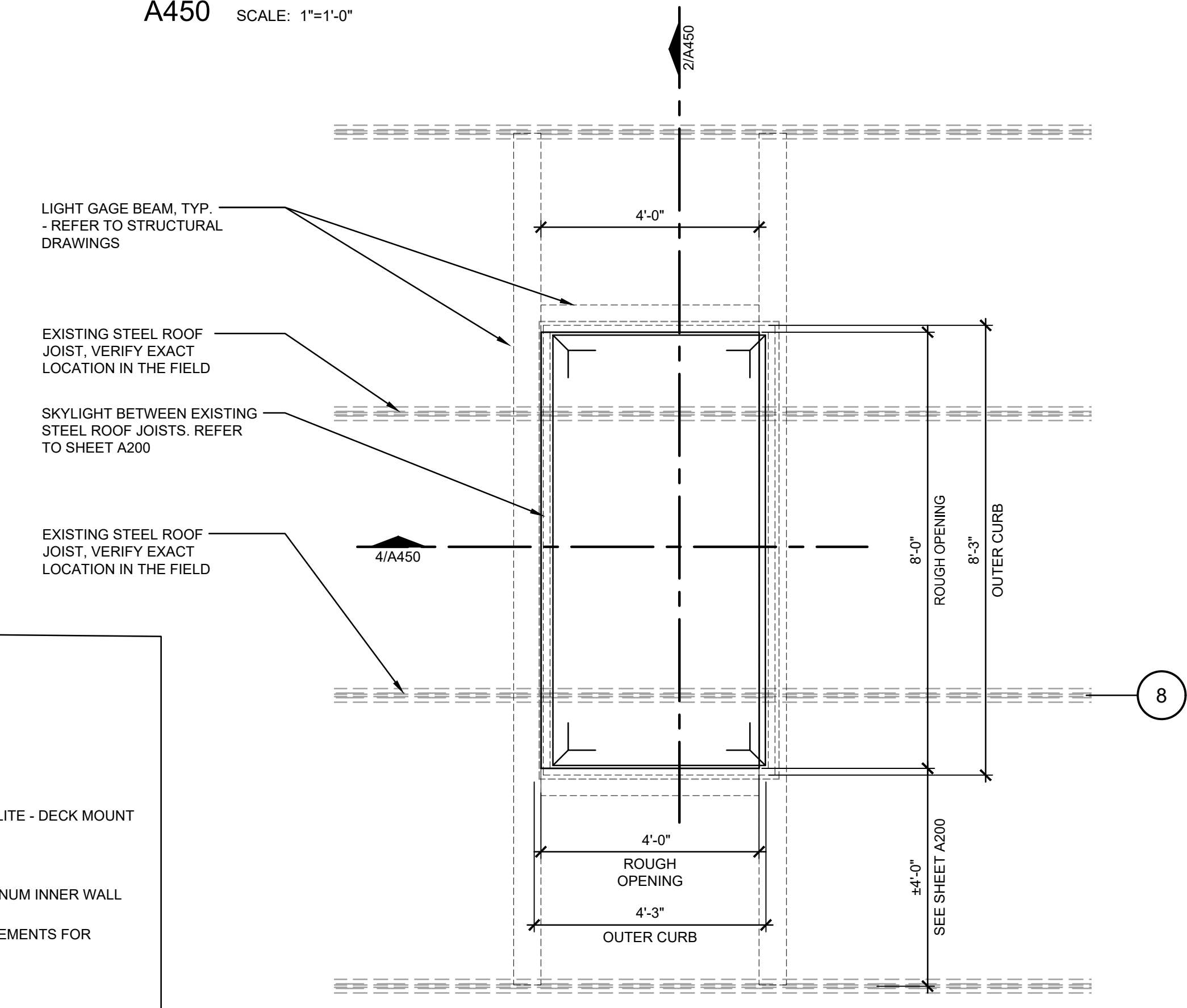
4 SECTION - SKYLIGHT
A450 SCALE: 1"=1'-0"



2 SECTION - SKYLIGHT
A450 SCALE: 1"=1'-0"



3 SECTION - SKYLIGHT
A450 SCALE: 3"=1'-0"



1 SKYLIGHT PLAN
A450 SCALE: 1/4"=1'-0"

SKYLIGHT NOTES:

SKYLIGHT MANUFACTURER:
VELUX WELLS
85 SPENCER DR. UNIT A
WELLS, ME 04090
1-800-88-VELUX

PRODUCT: ECOSKY3 CLD3 - DOUBLE DOME W/ AEROGEL FILLED LAYLITE - DECK MOUNT
MODEL NO: 55102
ROUGH OPENING: 48" X 96"
RETAINING FRAME FINISH: DARK BRONZE ANODIZED
CURB TYPE: PREFABRICATED THERMALLY ENHANCED, WHITE ALUMINUM INNER WALL

SKYLIGHT GLAZING SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS FOR THERMAL PERFORMANCE:

- SKYLIGHT U= 0.50
- SKYLIGHT SHGC= 0.40

1. G.C. SHALL COORDINATE NEW ROOF OPENINGS, PATCHING AND REPAIR WITH THE LANDLORD'S FIELD COORDINATOR, ROOFER.
2. ALL ACCESSORIES AND ROOFING COMPONENTS SHOULD BE COORDINATED TO MATCH EXISTING ROOFING ASSEMBLY TO MAINTAIN THE EXISTING WARRANTY.
3. G.C. SHALL INSTALL SKYLIGHTS IN ACCORDANCE WITH SKYLIGHT AND ANCHOR MANUFACTURER'S DETAILS AND INSTRUCTIONS.

NOTE:

1. G.C. SHALL REINSTALL EXISTING WALK OFF PADS, IF REMOVED FOR SKYLIGHT INSTALLATION
2. G.C. SHALL PROVIDE EXTERNAL FALL PROTECTION COMPLIANCE IN OSHA REQUIREMENT



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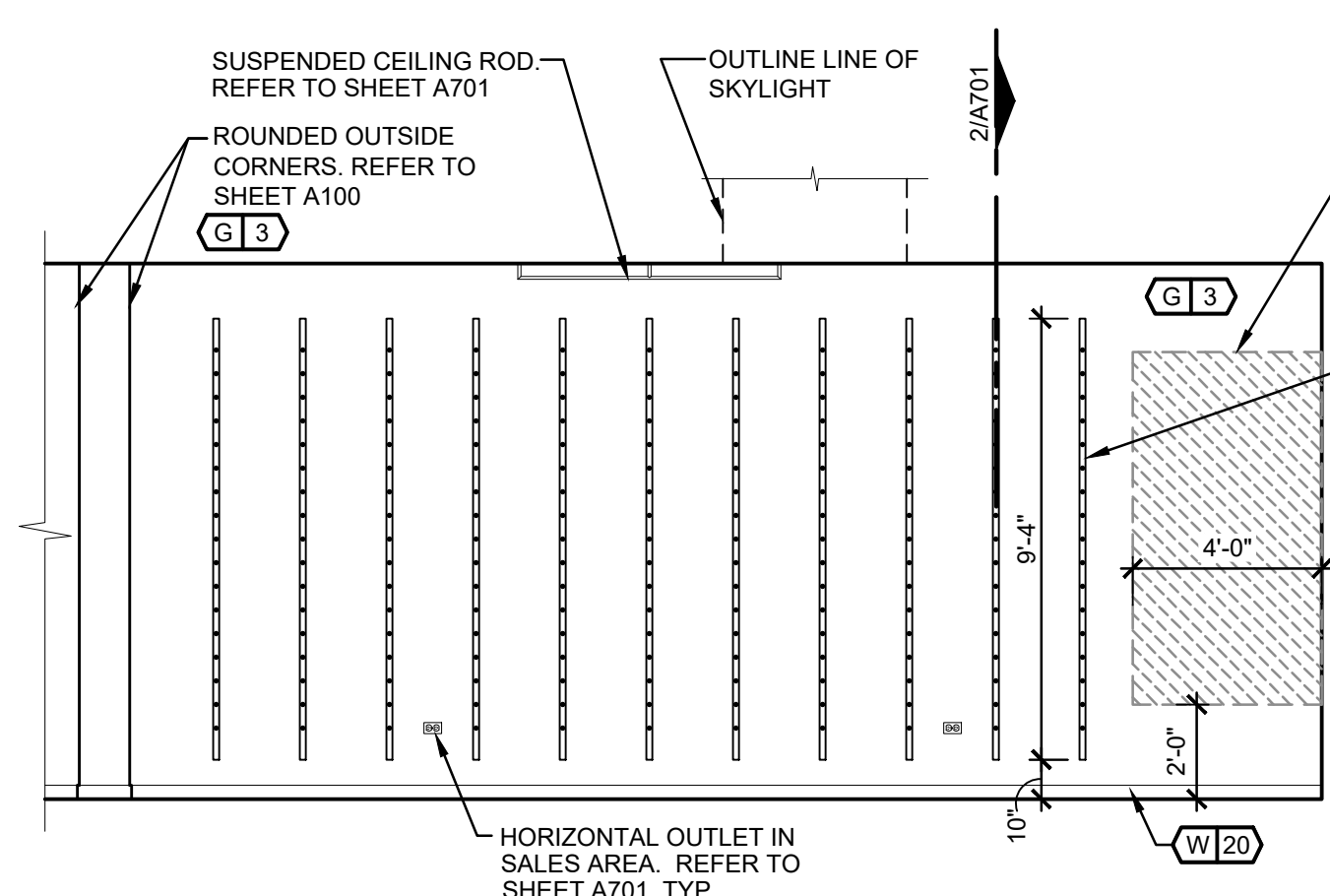
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SKYLIGHT PLAN & SECTIONS

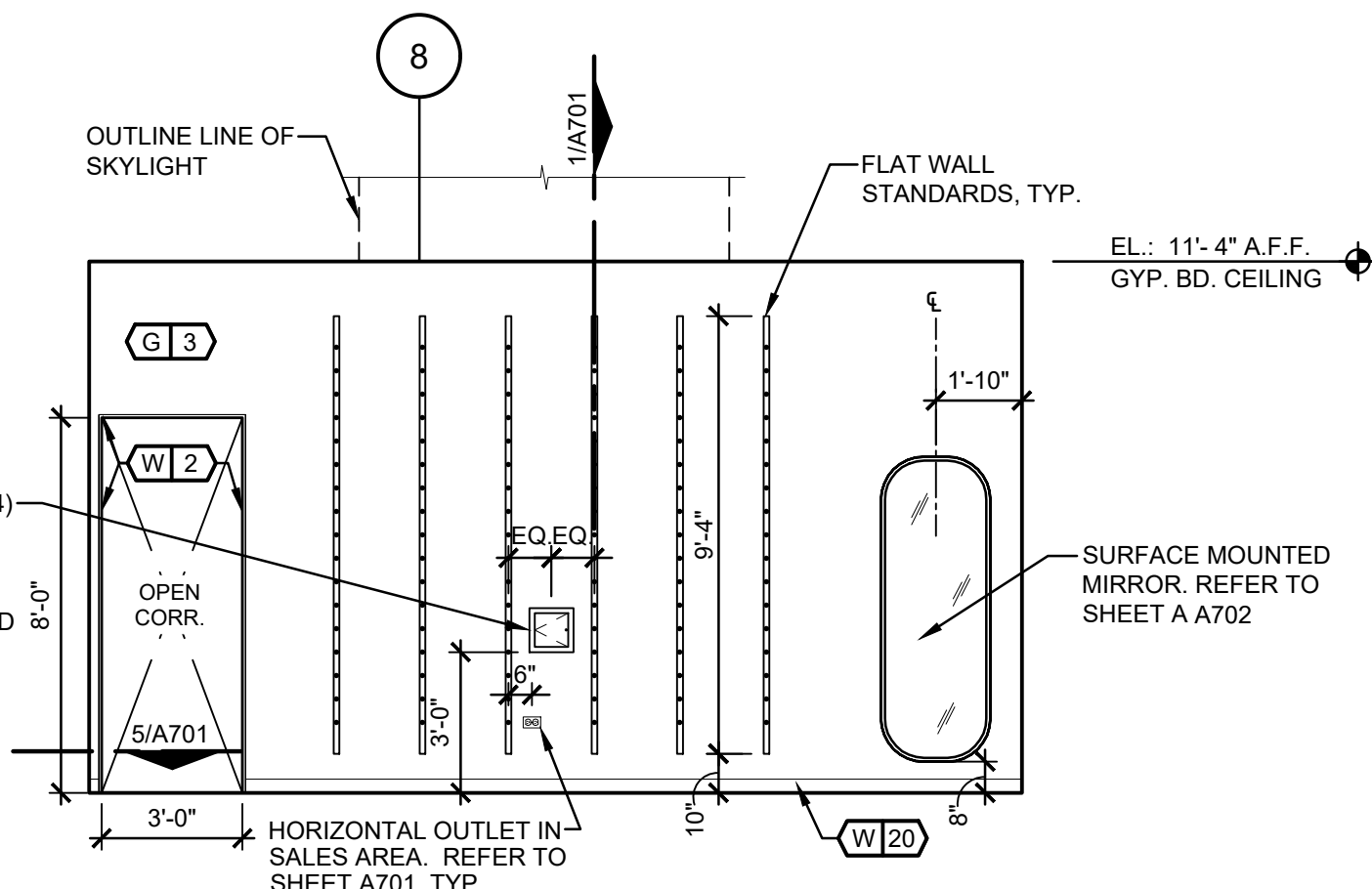
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A450

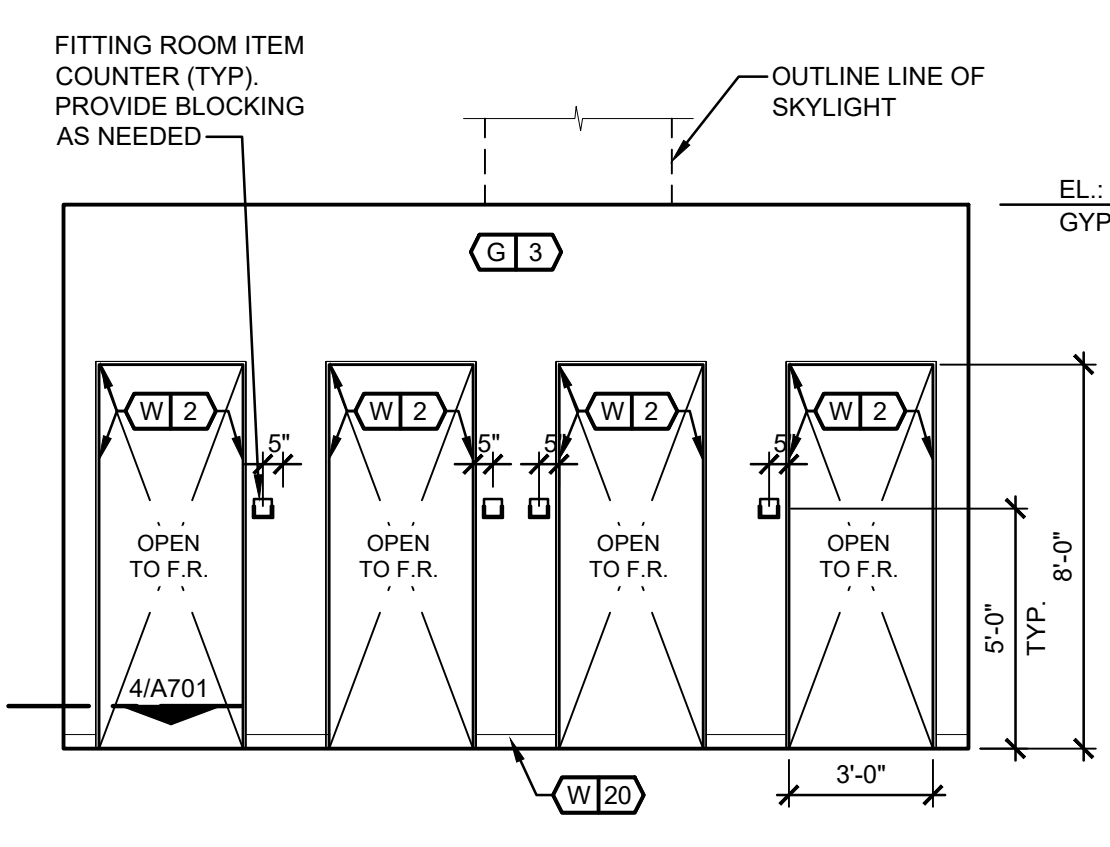
INTERIOR ELEVATION NOTES:
 1. SEE FLOOR PLAN FOR FLOOR FINISHES.
 2. SEE REFLECTED CEILING PLAN FOR CEILING FINISHES.
 3. ALL GYPSUM BOARD WALL AND SOFFIT OUTSIDE CORNERS IN SALES AREA TO BE ROUNDED, U.O.N. REFER TO DETAIL 1/A100
 4. ALL DIMENSIONS ON INTERIOR ELEVATIONS ARE FINISH DIMENSIONS, U.O.N.



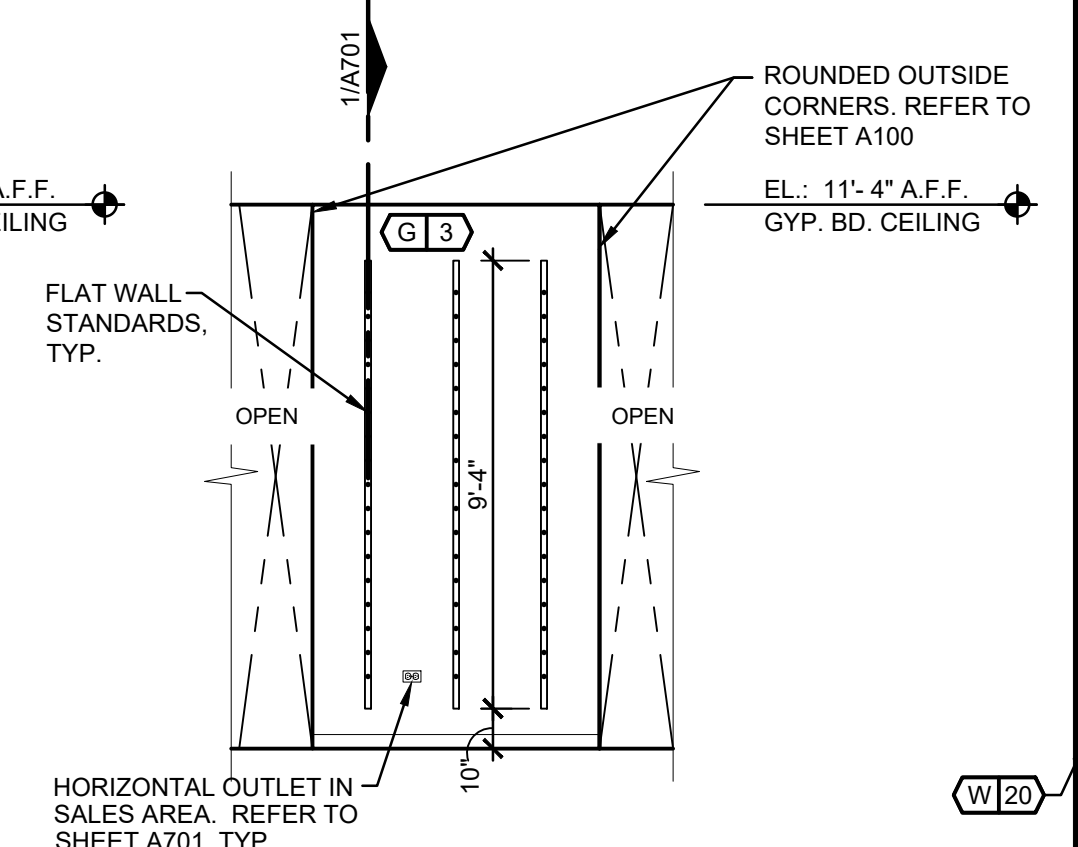
J INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



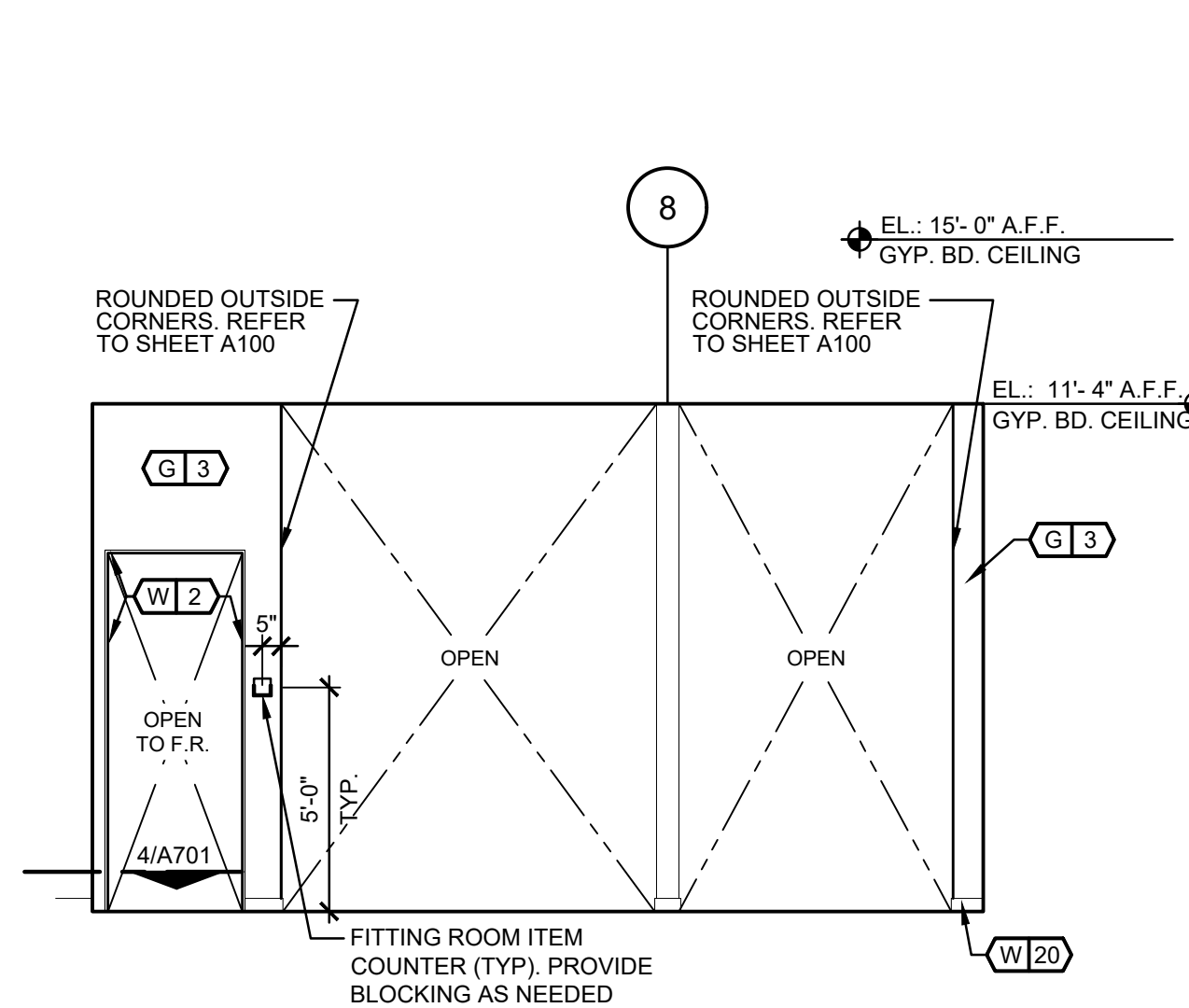
H INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



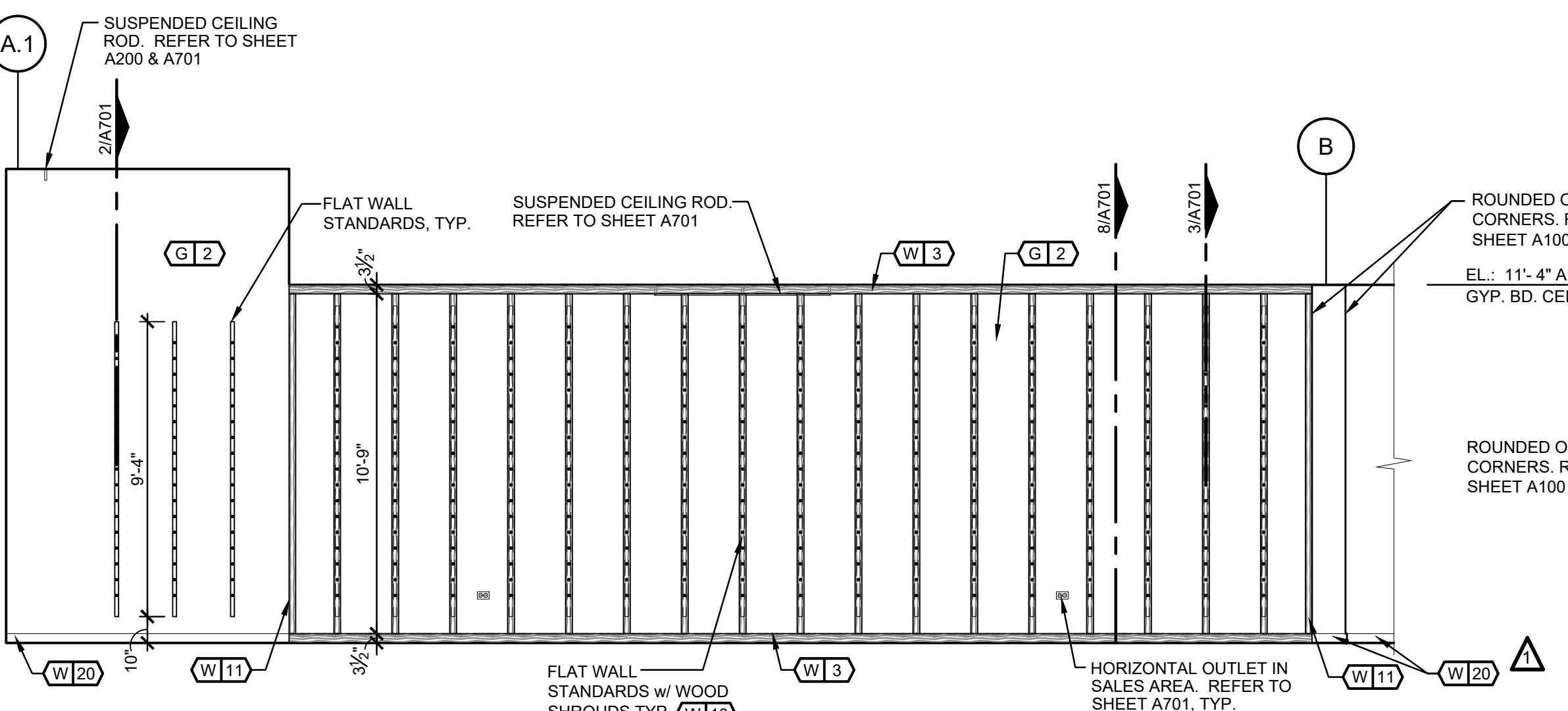
G INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



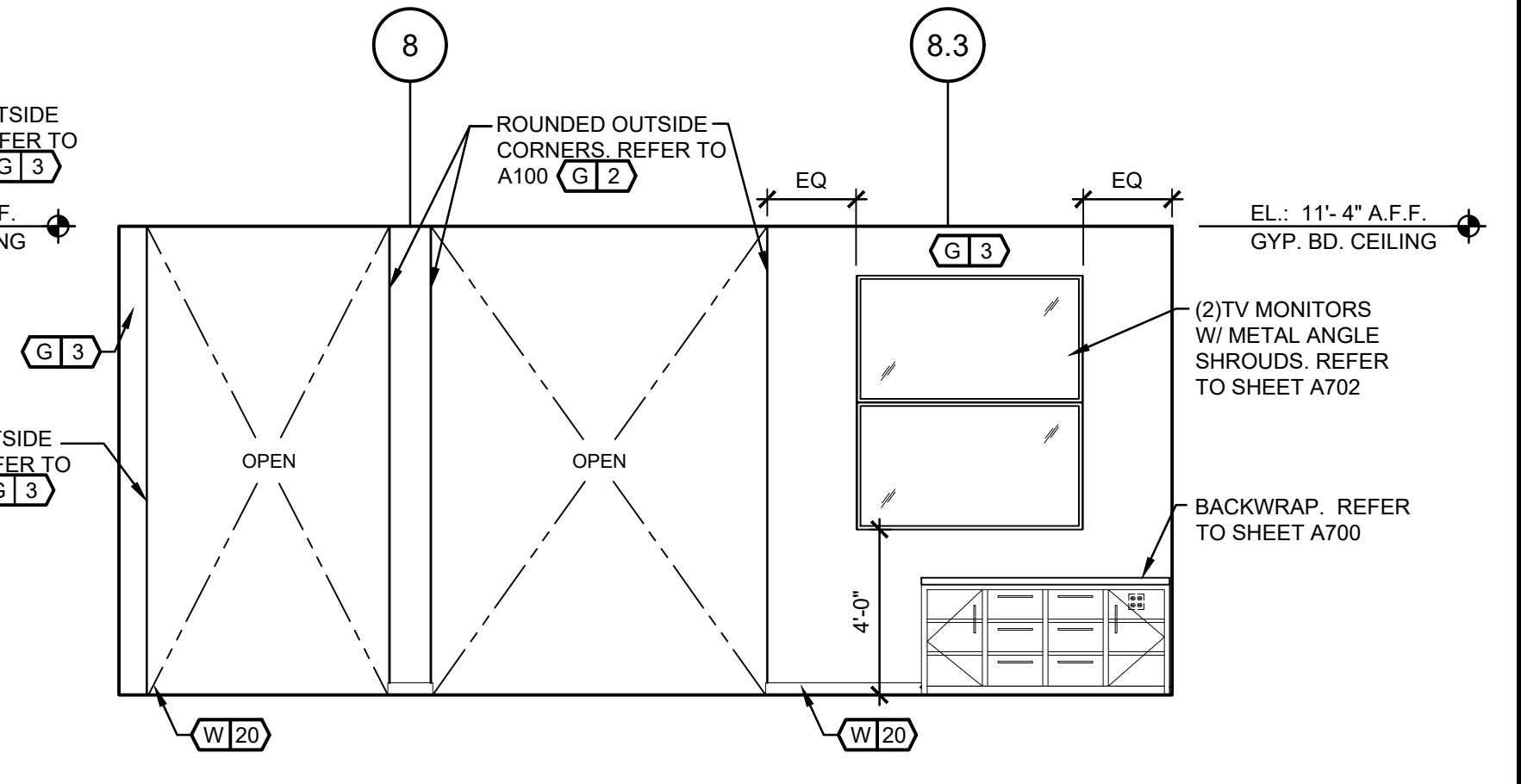
F INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



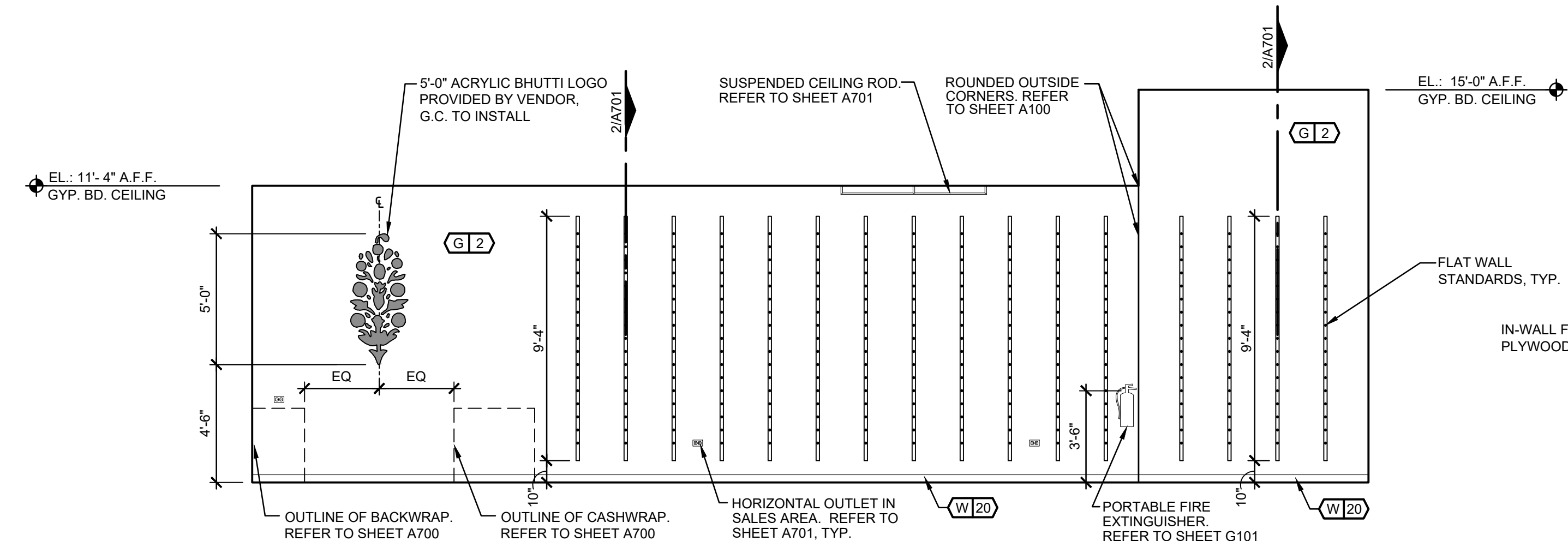
E INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



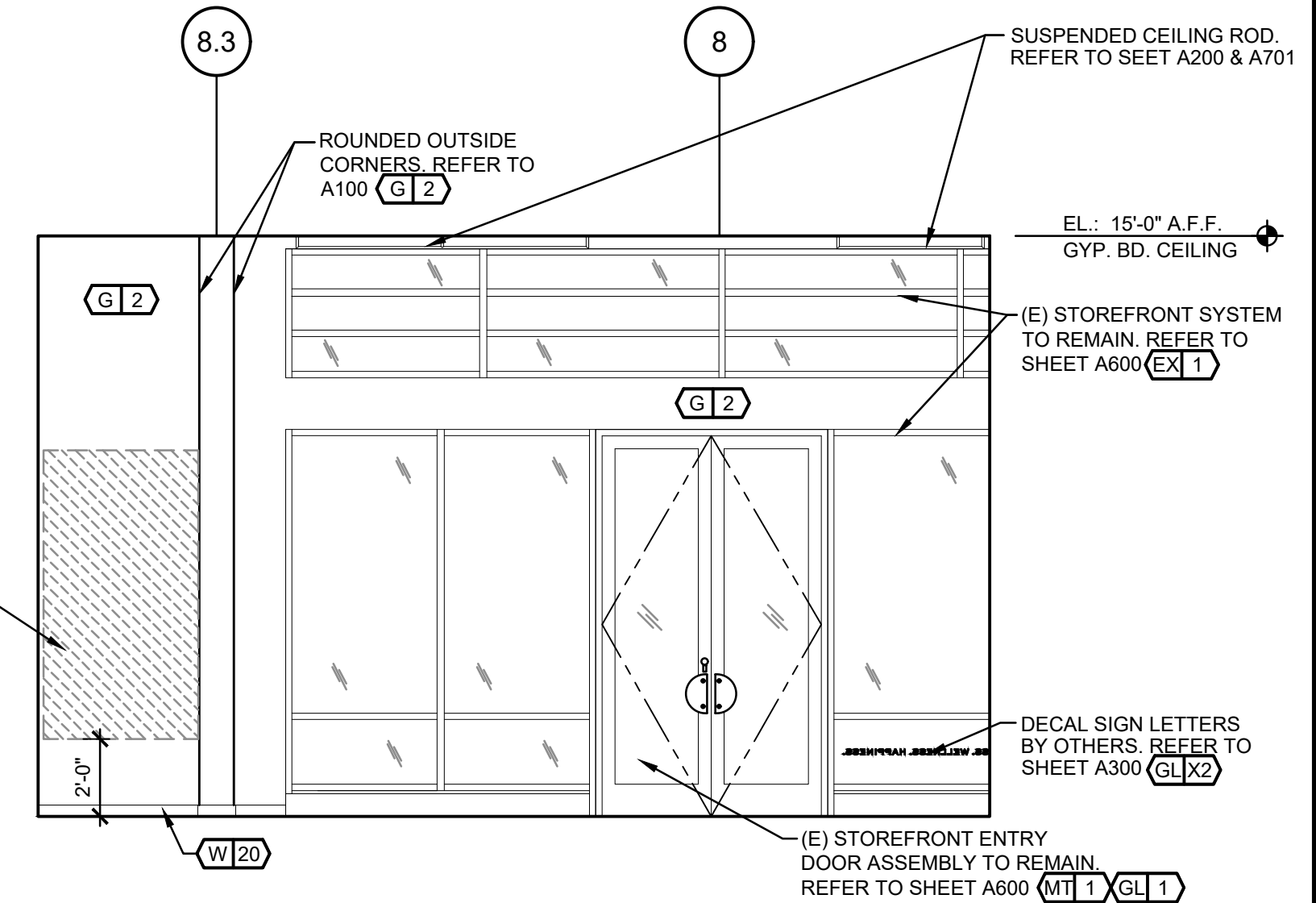
D INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



C INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



B INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



A INTERIOR ELEVATION
 A500 SCALE: 1/4"=1'-0" (SALES)



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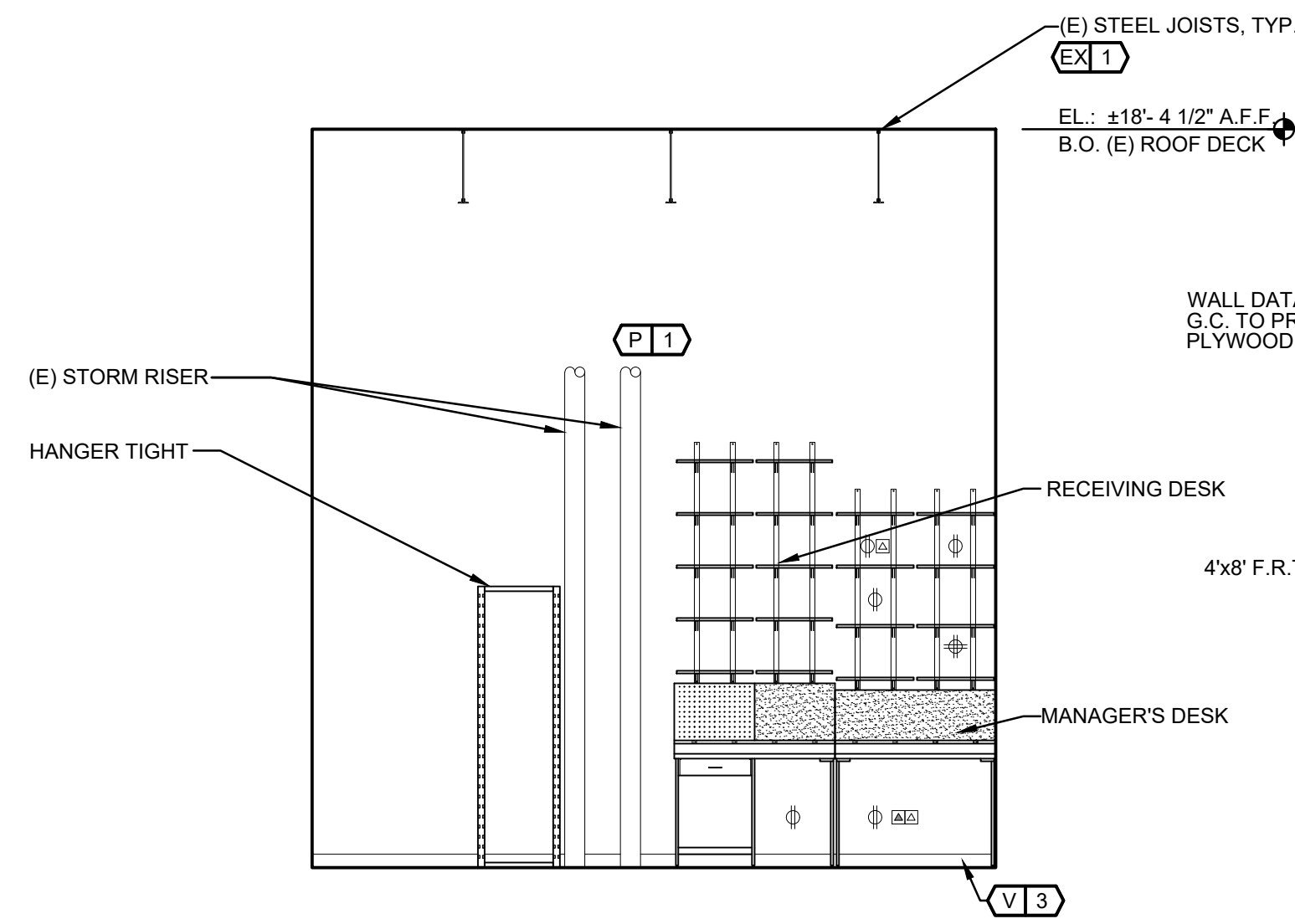
SHEET TITLE:

INTERIOR ELEVATIONS - SALES

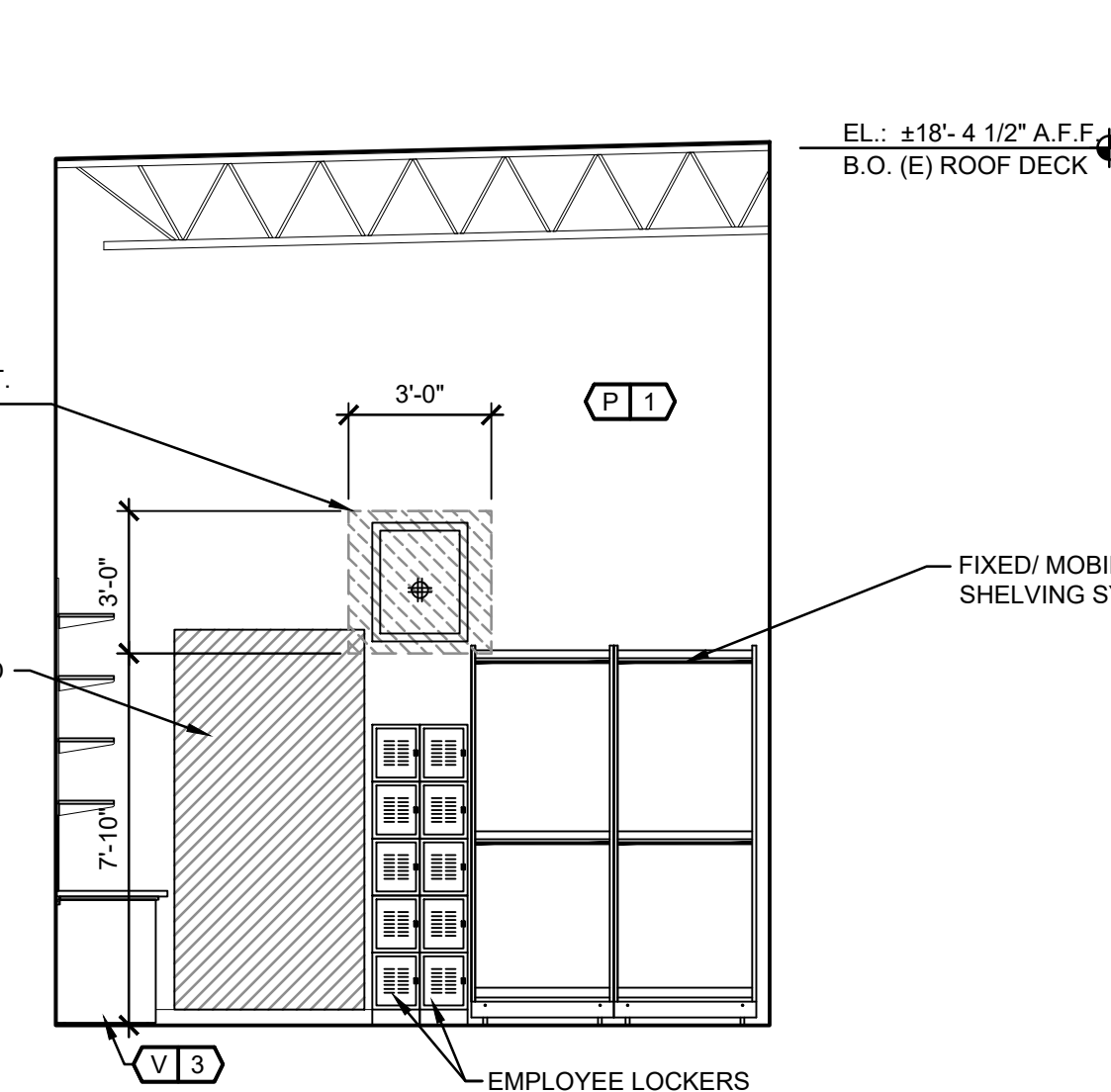
SHEET NO.:

A500

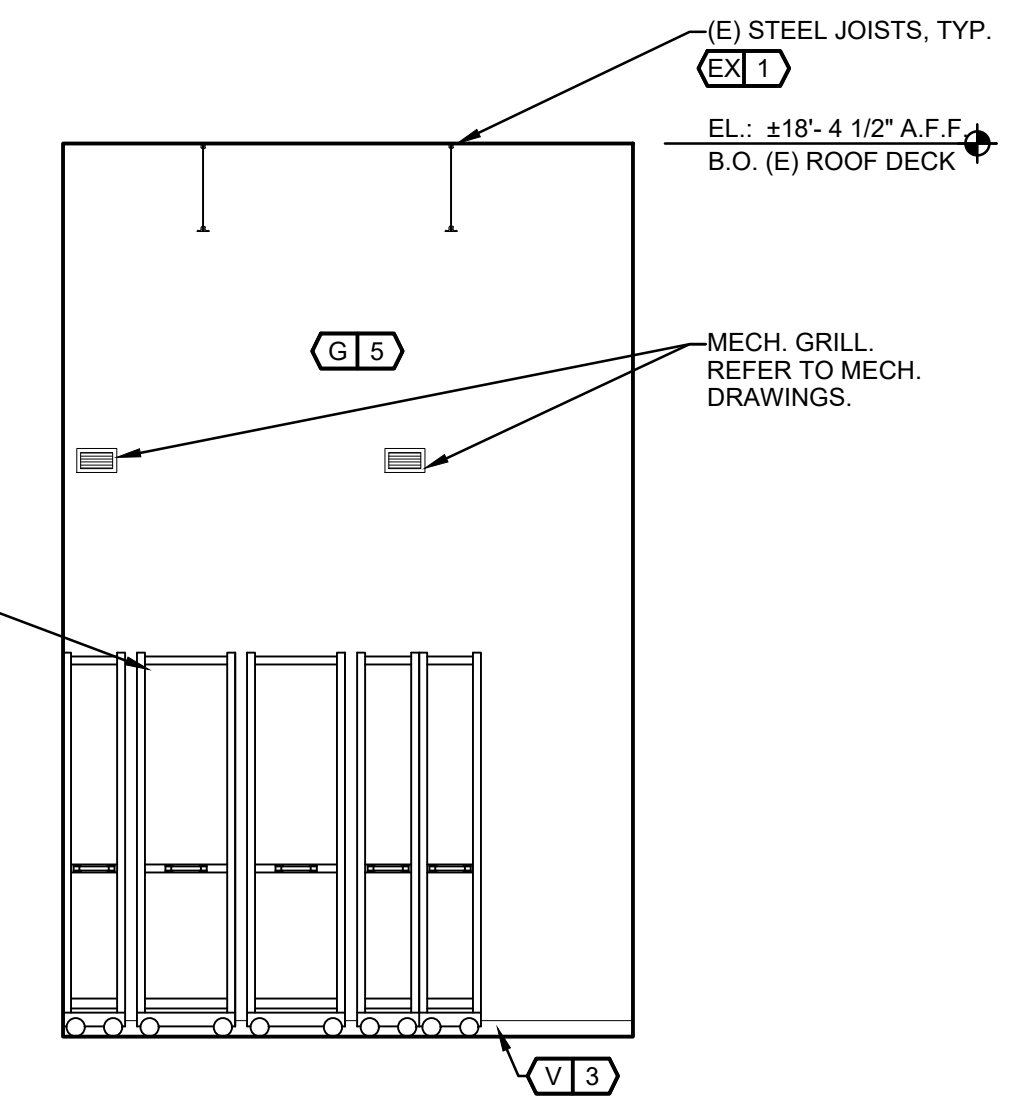
INTERIOR ELEVATION NOTES:
 1. SEE FLOOR PLAN FOR FLOOR FINISHES.
 2. SEE REFLECTED CEILING PLAN FOR CEILING FINISHES.
 3. ALL GYPSUM BOARD WALL AND SOFFIT OUTSIDE CORNERS IN SALES AREA TO BE ROUNDED, U.O.N. REFER TO DETAIL 1/A100
 4. ALL DIMENSIONS IN INTERIOR ELEVATIONS ARE FINISH DIMENSIONS. U.O.N.



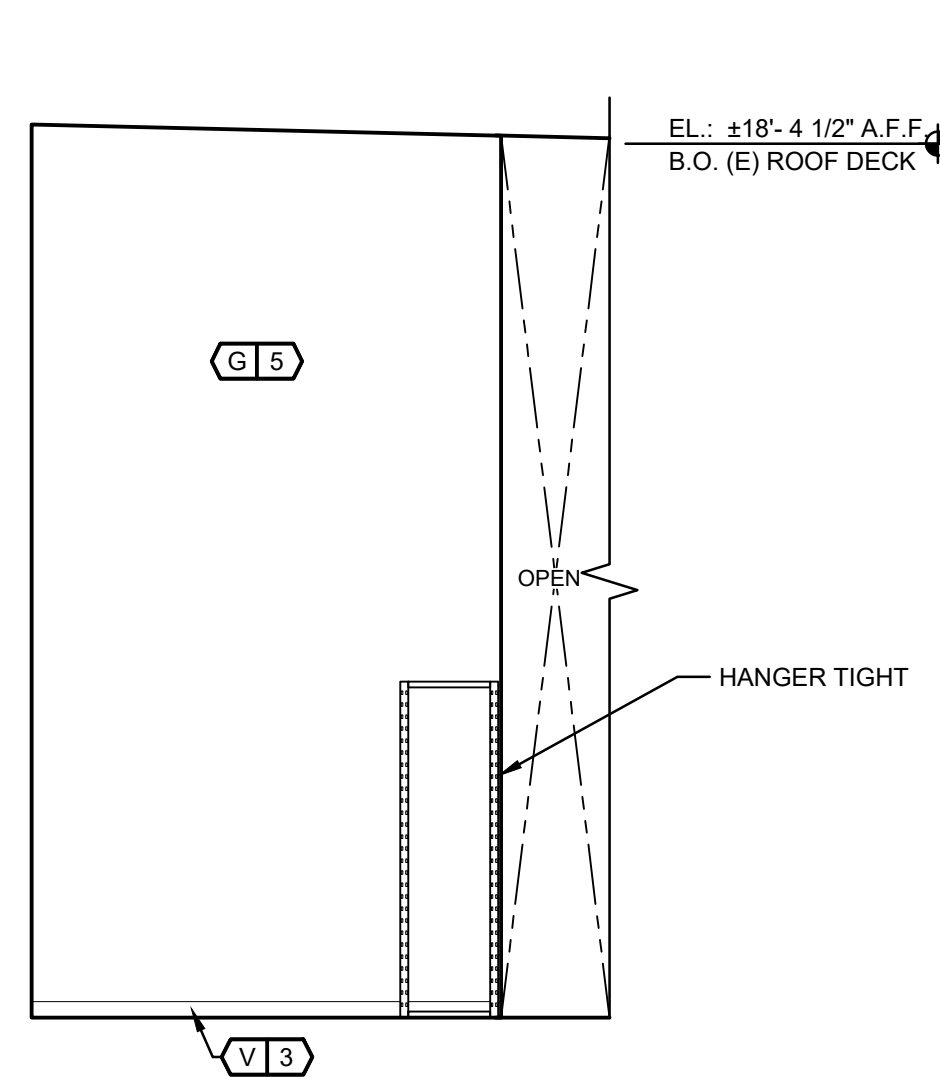
M INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



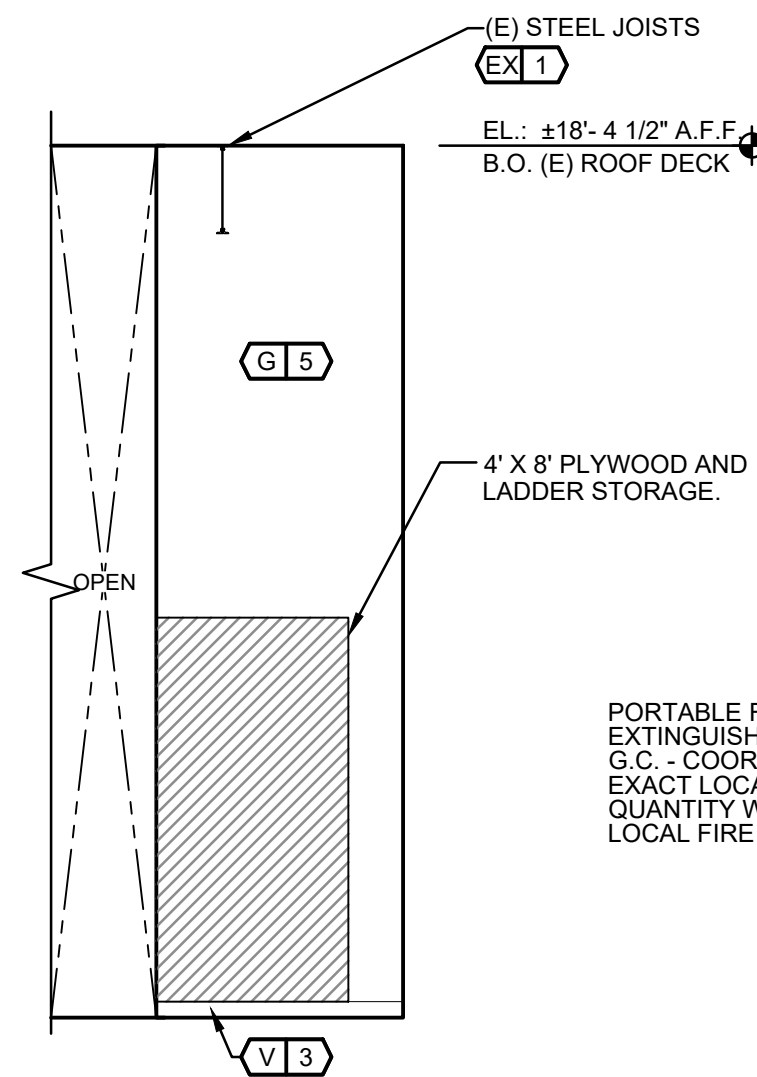
L INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



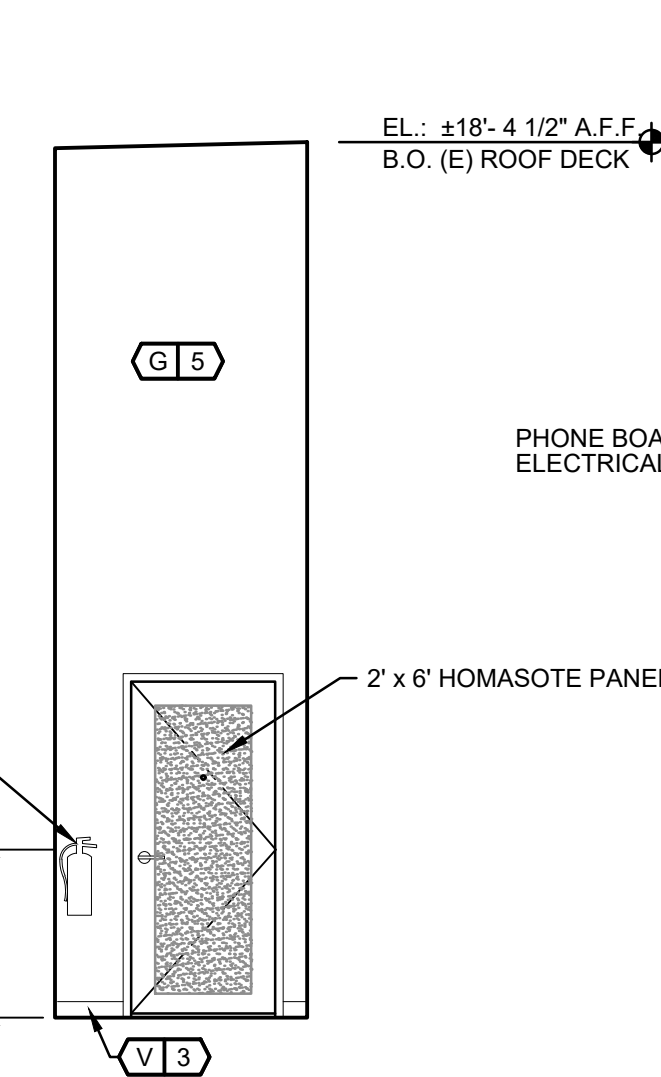
K INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



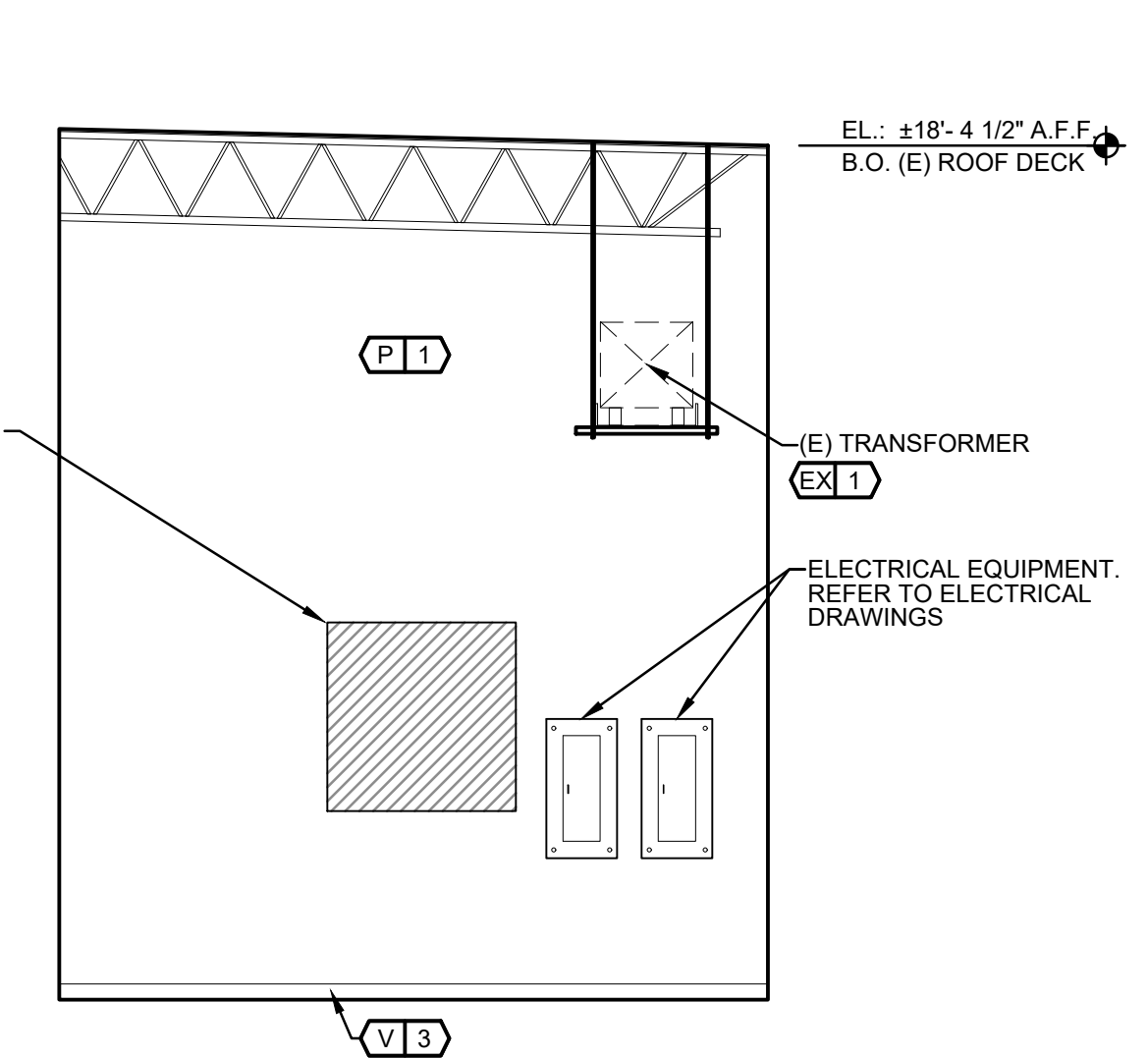
J INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



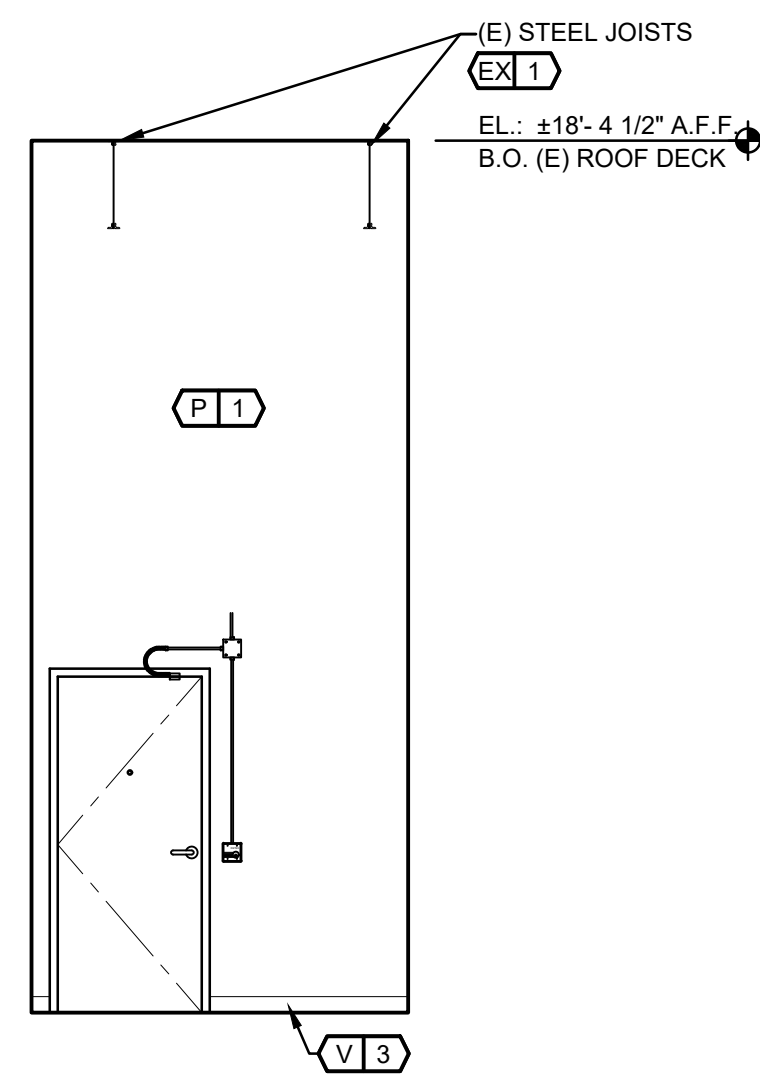
H INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



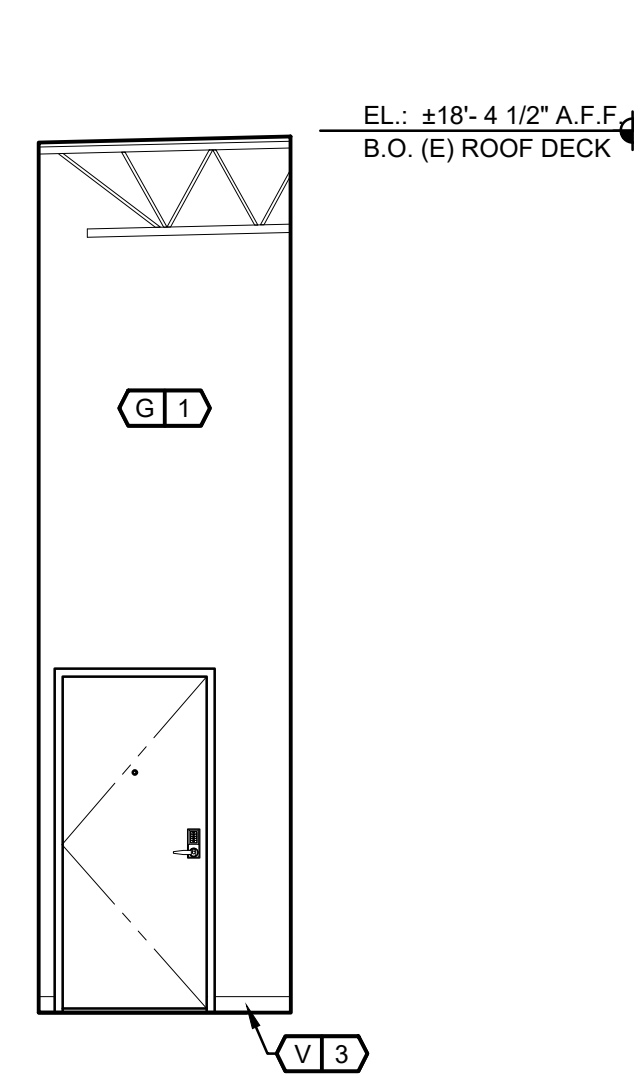
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 A501 SCALE: 1/4" = 1'-0" (STOCKROOM)



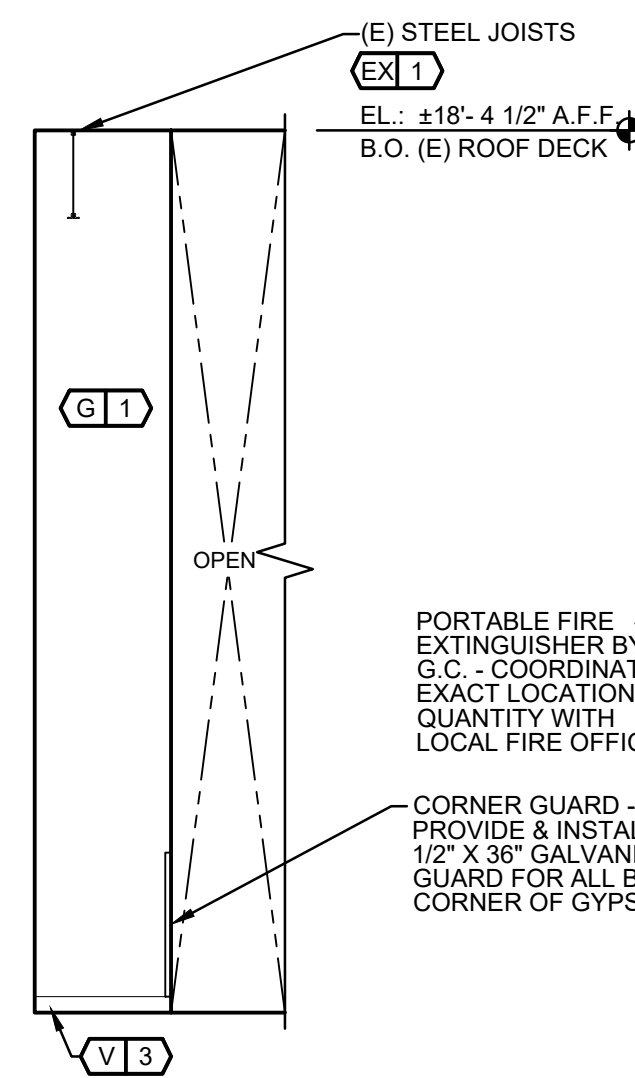
F INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



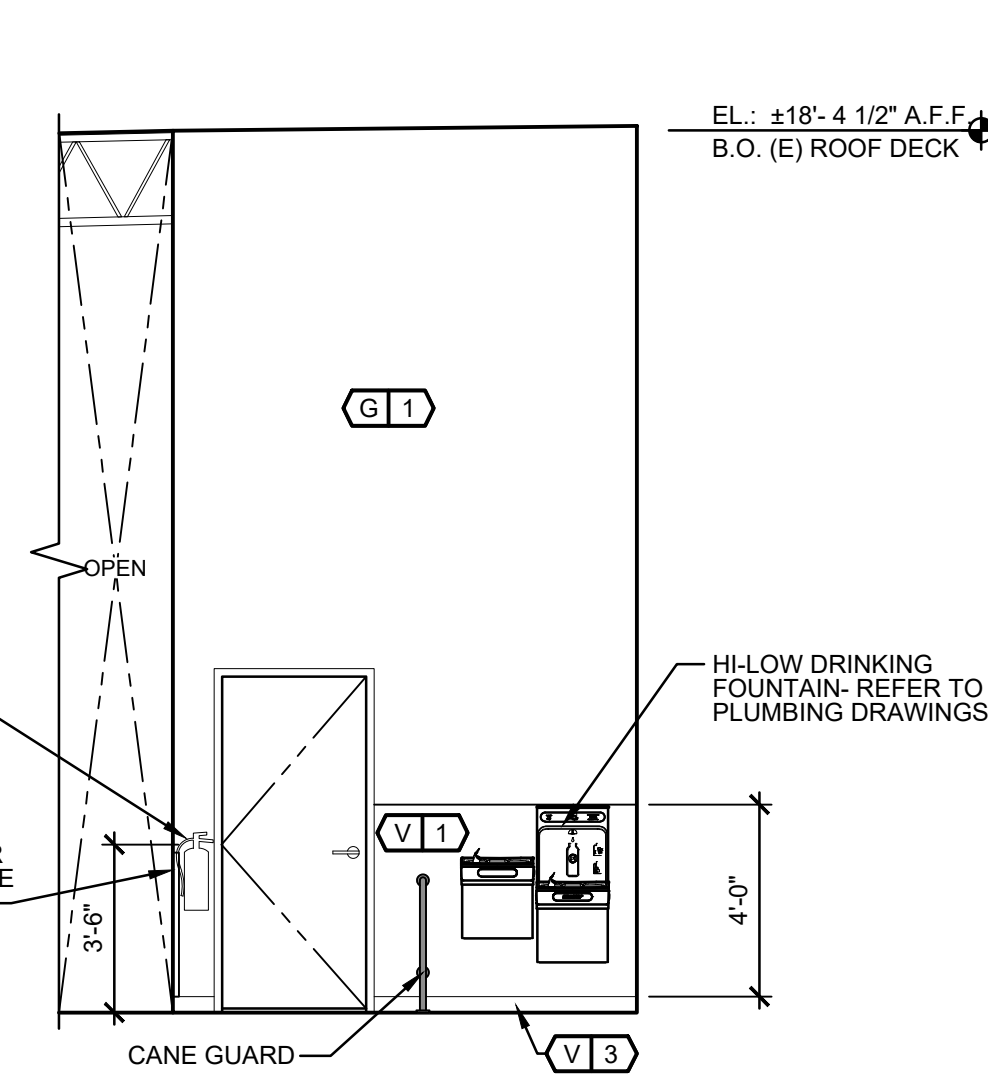
E INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



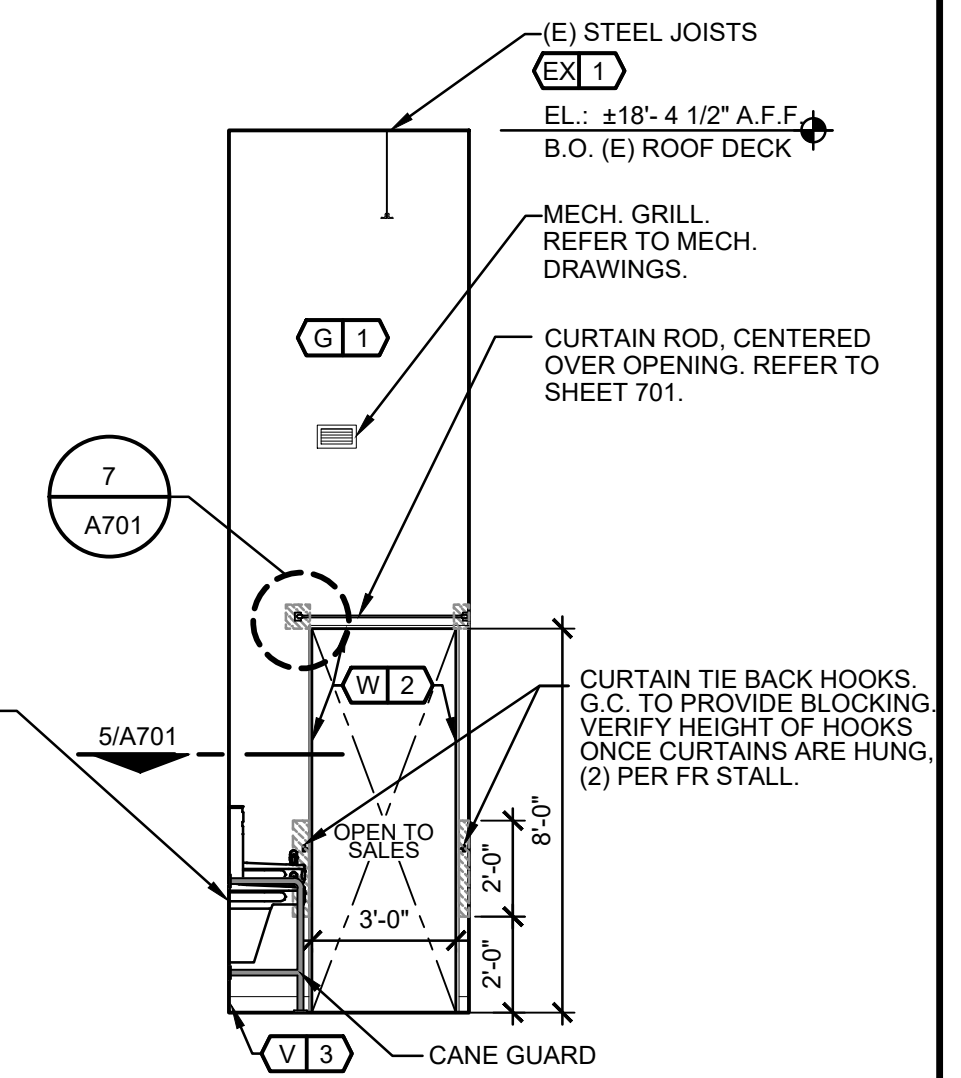
D INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



C INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



B INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



A INTERIOR ELEVATION
 A501 SCALE: 1/4" = 1'-0" (CORRIDOR)



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03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE:

**INTERIOR ELEVATIONS
 - CORRIDOR /
 STOCKROOM**

SHEET NO.:

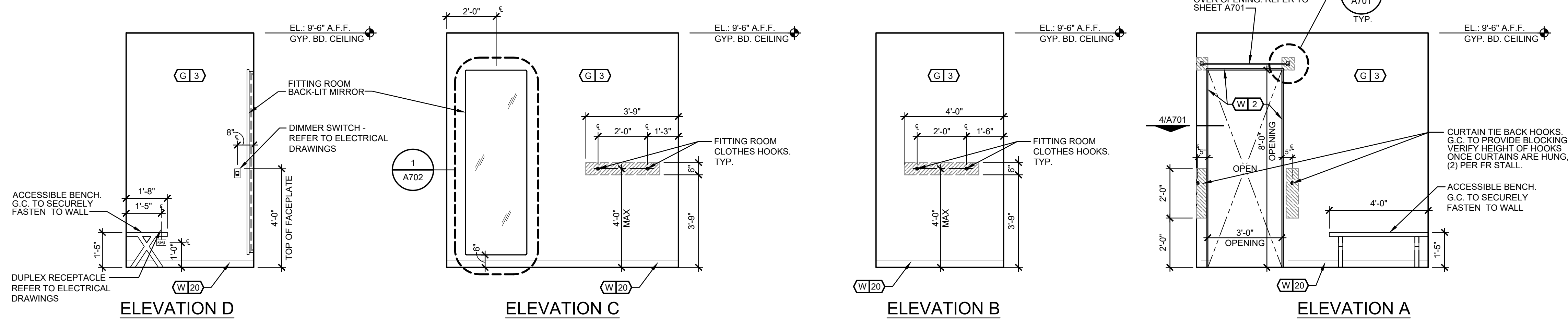
A501

INTERIOR ELEVATION NOTES

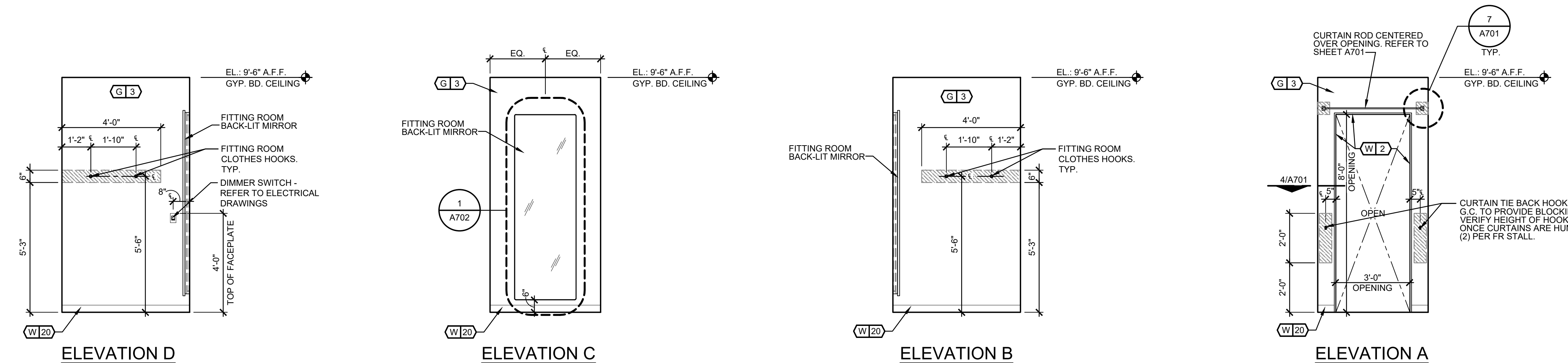
1. SEE FLOOR PLAN FOR FLOOR FINISHES
2. SEE REFLECTED CEILING PLAN FOR CEILING FINISHES
3. ALL GYPSUM BOARD WALL AND SOFFIT OUTSIDE CORNERS IN FITTING ROOM AREAS TO BE ROUNDED, U.O.N. REFER TO DETAIL 1/A100
4. ALL DIMENSIONS IN INTERIOR ELEVATIONS ARE FINISH DIMENSIONS, U.O.N.

FITTING ROOM FIXTURE NOTES

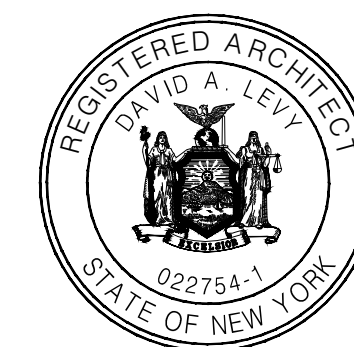
1. ALL FIXTURE DIMENSIONS ARE FROM FINISHED WALLS TO CENTERLINE OF FIXTURES U.N.O.
2. "EQ" STANDS FOR EQUAL DIMENSION IN THAT DIMENSION STRING ONLY
3. WALL FIXTURES CENTERED WITH APPARENT WALLS OR ITEMS, TYPICAL
4. HATCHED AREA - G.C. TO PROVIDE 2X F.R.T. WOOD BLOCKING, U.N.O.



2 INTERIOR ELEVATIONS - ACCESSIBLE FITTING ROOM
A510 SCALE: 3/8"=1'-0"



1 INTERIOR ELEVATIONS - TYPICAL FITTING ROOM
A510 SCALE: 3/8"=1'-0"



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SHEET TITLE :

**INTERIOR ELEVATIONS
- FITTING ROOMS**

SHEET NO. :

A510

DOOR HARDWARE SCHEDULE

GROUP 1: STOREROOM FUNCTION

1 EACH	STOREROOM LOCKSET	SIMPLEX L1025 w/ 7 PIN IC CORE
1.5 PAIR	HINGES	HAGER BB1279 (4 1/2 x 4 1/2)
1 EACH	CLOSER	LCN 4040XP SERIES (90 DEGREE HOLD)
1 EACH	FLOOR STOP	HAGER 242F
1 EACH	KICK DOWN	HAGER 270C S1
3 EACH	SILENCERS	TRIMCO 1229A OR 1229B
1 EACH	DOOR VIEWER	HAGER 1758
1 EACH	THRESHOLD	SEE SHEET A600 FOR TRANSITION DETAIL

GROUP 2: PRIVACY FUNCTION

1 EACH	PRIVACY LOCKSET	BEST 7K3-0L 14DS3 STD
1.5 PAIR	HINGES	HAGER BB1279 (4 1/2 x 4 1/2)
1 EACH	CLOSER	LCN 4040XP SERIES
1 EACH	FLOOR STOP	HAGER 242F
1 EACH	KICK DOWN	HAGER 270C
3 EACH	SILENCERS	TRIMCO 1229A (Metal Frame)
1 EACH	THRESHOLD	SEE SHEET A600 FOR TRANSITION DETAIL

GROUP 3: ALARMED EXIT - SINGLE DOOR

	ALARMED EXIT DEVICE	DETEX EAX-2500 - SURFACE MOUNT (GRAY) TO BE HARDWIRED - IC CORE LOCK
1 EACH	STOREROOM LOCKSET	BEST 7K3-7D 14DS3 STD
1 EACH	KICK DOWN	HAGER 270C

GROUP 4: STOREFRONT - ALUMINUM DOORS

2 EACH	KEYED CYLINDER	BEST 1E74 STD
1 EACH	DOOR LOCK INDICATOR	ADAMS RITE 4089
1 EACH	KICK DOWN	DELTANA DHK7 U15
1 EACH	DOOR SIGN (1" LETTERS)	SIGN STATING - "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED"

1 EACH	THRESHOLD	SEE SHEET A600 FOR TRANSITION DETAIL
		SEE GENERAL SPECIFICATION NOTE 3

GENERAL SPECIFICATIONS

- ALL HARDWARE TO BE 7-PIN BEST CORE-COMPATIBLE.
- PROVIDE SMOKE SEAL ON ALL FIRE AND SMOKE RATED DOOR ASSEMBLIES. REFER TO DOOR SCHEDULE TO IDENTIFY RATED ASSEMBLIES.
- ENTRY DOOR HARDWARE - HARDWARE SUPPLIER TO COORDINATE WITH GC/ENTRY DOOR MANUFACTURER TO VERIFY PROPER HARDWARE CONFIGURATION FOR HINGES, CLOSERS AND LOCKING DEVICES.
- DOOR HARDWARE FINISH US32D/630 OR SIMILAR

DOOR AND HARDWARE NOTES

- THIS PROJECT SHALL COMPLY WITH ALL LOCAL ACCESSIBILITY REGULATIONS.
- ALL DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE, MOUNTED 34" TO 44" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 22 N FOR INTERIOR DOORS.
- CONTRACTOR SHALL VERIFY WITH SUPPLIER THAT ALL HARDWARE MEETS ACCESSIBILITY REQUIREMENTS.
- ALL HARDWARE SHALL BE A.N.S.I./B.H.M.A.
- THRESHOLDS SHALL BE IN COMPLIANCE WITH ACCESSIBILITY LOCAL ORDINANCE GUIDELINES.
- ALL MANUALLY OPERATED FLUSH BOLTS ARE PROHIBITED ON EXIT DOORS. WHEN EXIT DOORS ARE USED IN PAIRS AND APPROVED AUTOMATIC FLUSH BOLTS ARE USED, THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS SHALL HAVE NO DOORKNOB OR SURFACE MTD. HARDWARE. THE UNLATCHING OF ANY LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION.
- ALL HOLLOW METAL DOORS TO BE FLUSH TYPE WITH 18 GA. FACE SHEETS WITH FOLDED INTERLOCKED SEAM ON VERTICAL EDGES. TOP AND BOTTOM EDGES TO BE CLOSED.
- ALL HOLLOW METAL FRAMES TO BE 16 GA. WRAP AROUND TYPE AND WELDED TYPE AT FIRE-RATED WALL CONSTRUCTION.
- G.C. TO PROVIDE SECURITY 180 DEGREE SECURITY EYE LENS AT ALL EXTERIOR HOLLOW METAL DOORS AND DOORS THAT LEAD TO EXTERIOR, MOUNTED AT 5'-0" A.F.F.
- GENERAL CONTRACTOR SHALL PROVIDE A KICK PLATE ON THE PUSH SIDE OF THE REAR EXIT DOOR.
- ALL HANDICAP ACCESSIBLE DOORS MUST BE MINIMUM 3'-0" W X 6'-8" H.
- ALL DOOR APPROACHES SHALL MEET ACCESSIBILITY CLEARANCE REQUIREMENTS
- OVERHEAD CLOSERS: (AS APPLICABLE) FURNISHED AND INSTALLED BY TENANT'S GENERAL CONTRACTOR. DOOR CLOSERS TO BE MOUNTED ON ROOM SIDE OF DOORS. DOOR CLOSERS TO HAVE A MAXIMUM OPENING FORCE OF 5 LBF (INTERIOR HINGED DOORS). THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR SHALL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3 IN.
- ALL EXTERIOR HINGES TO HAVE NON-REMOVABLE PINS.
- TENANT'S GENERAL CONTRACTOR SHALL ENSURE ALL EXISTING DOORS TO REMAIN TO BE IN GOOD OPERATING ORDER AND TO MEET CURRENT BUILDING CODES AND ACCESSIBILITY REQUIREMENTS. TENANT'S GENERAL CONTRACTOR TO RESTORE DOORS AND HARDWARE TO "LIKE NEW" CONDITION.
- GENERAL CONTRACTOR TO SUBMIT TYPEWRITTEN SHOP DRAWINGS AND PRODUCT LITERATURE FOR ALL ALTERNATE SPECIFICATIONS TO DOORS AND HARDWARE SPECIFIED, PREPARED BY A LICENSED CERTIFIED CONSULTANT.
- G.C. TO USE KNOCK-DOWN STYLE METAL DOOR FRAMES FOR NON-RATED DOOR ASSEMBLIES.
- G.C. TO PROVIDE AND INSTALL "FP MOVEMENT" SIGN ON CORRIDOR SIDE OF DOOR, CENTER LETTERS ON DOOR AT 61" A.F.F., COORDINATE SIGN LETTERS SIZE, TYPE AND COLOR WITH MALL REQUIREMENTS.

DOOR CLOSER PULL FORCE

ALL DOORS EQUIPPED WITH AUTOMATIC DOOR CLOSERS SHALL HAVE THE PULL FORCE REQUIRED TO OPEN THE EQUIPPED DOOR TO A MAXIMUM PULL FORCE OF 22 N.

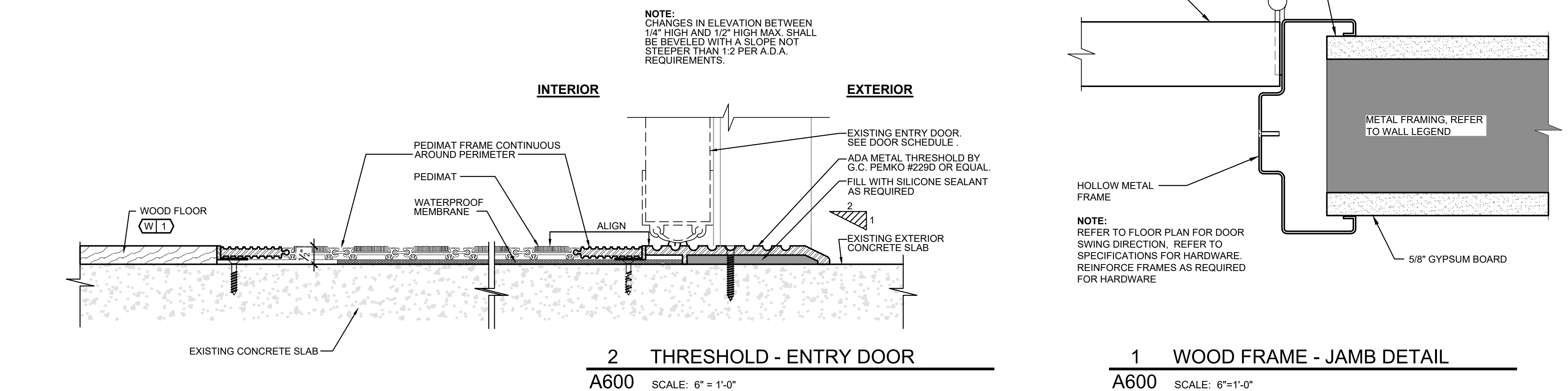
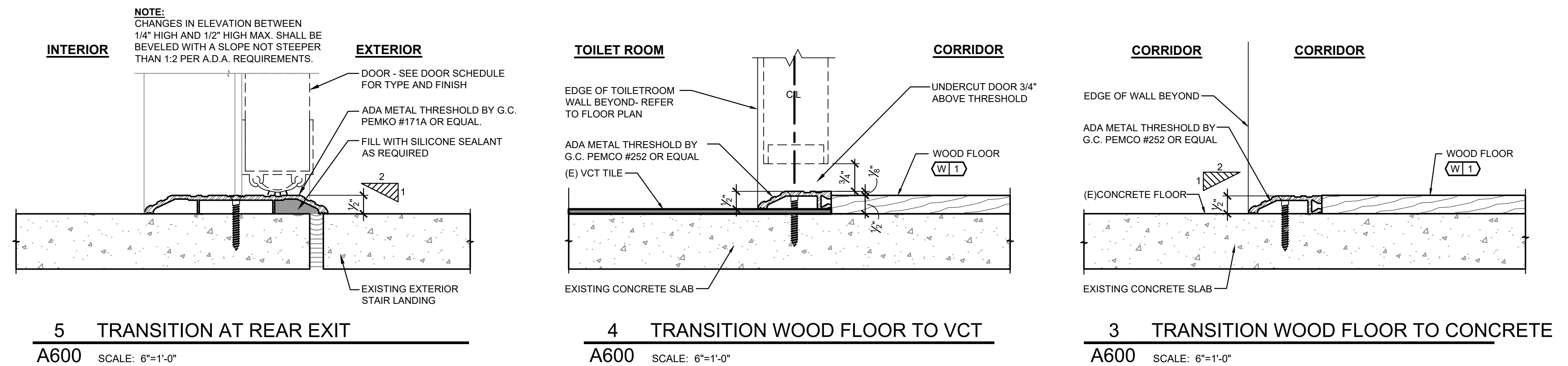
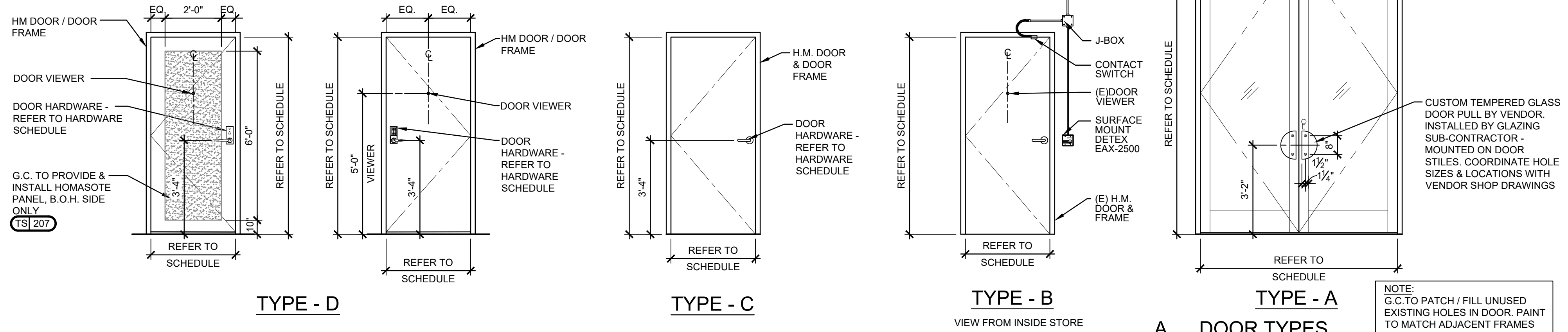
ALL DOORS EQUIPPED WITH AUTOMATIC DOOR CLOSERS SHALL HAVE THE SWEEP PERIOD OF THE CLOSER TO BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70° THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH MEASURED TO THE LANDING EDGE OF THE DOOR.

DOOR SCHEDULE

NO.	LOCATION	DOOR			FRAME		DOOR TYPE	HEAD / JAMB	THRES.	HARDWARE GROUP	HARDWARE FINISH	FIRE RATING	REMARKS (REFER TO DOOR SCHEDULE NOTES WHERE NOTED)
		SIZE	MATERIAL	FINISH	MATERIAL	FINISH							
1	(E) ENTRANCE	6'-0" X 9'-10" (V.I.F.)	ALUM / GLASS	MATCH TO (E) FRAME	ALUM.	EXISTING	A	EXISTING	2/A600	4	US26D	--	EXISTING STOREFRONT ENTRY DOUBLE DOOR & HARDWARE TO REMAIN. NEW CUSTOM HALF-MOON SHAPE DOOR PULL. SEE DOOR SCHEDULE NOTE 1
2	STOCKROOM	3'-0" X 7'-0" X 1 3/4"	HM	G1	HM	P1	D	1/A600	--	1	US26D	--	NEW DOOR ASSEMBLY & HARDWARE BY G.C.
3	TOILETROOM	3'-0" X 7'-0" X 1 3/4"	HM	G1	HM	G1	C	1/A600	4/A600	2	US26D	--	NEW DOOR ASSEMBLY & HARDWARE BY G.C. SEE DOOR SCHEDULE NOTE 2
4	(E) REAR EXIT	3'-0" X 8'-0" (V.I.F.)	HM	P1	HM	P1	B	EXISTING	5/A600	3	US26D	--	EXISTING DOOR AND HARDWARE ASSEMBLY TO REMAIN. G.C. TO PROVIDE NEW LOCK SET & DETEX. SEE DOOR SCHEDULE NOTE 1 & 3

DOOR SCHEDULE NOTES

- EXISTING HARDWARE TO REMAIN AND BE INSPECTED AND CLEANED AND TO BE IN GOOD WORKING ORDER. REPLACE DOOR HARDWARE PER DOOR HARDWARE SCHEDULE AS REQUIRED.
- REFER TO MECHANICAL DRAWINGS FOR DOORS REQUIRED TO BE UNDERCUT TO PERMIT PROPER VENTILATION.
- REAR DOOR - PROVIDE VINYL SIGN "FP MOVEMENT" AND STORE NUMBER. COORDINATE WITH MALL STANDARD



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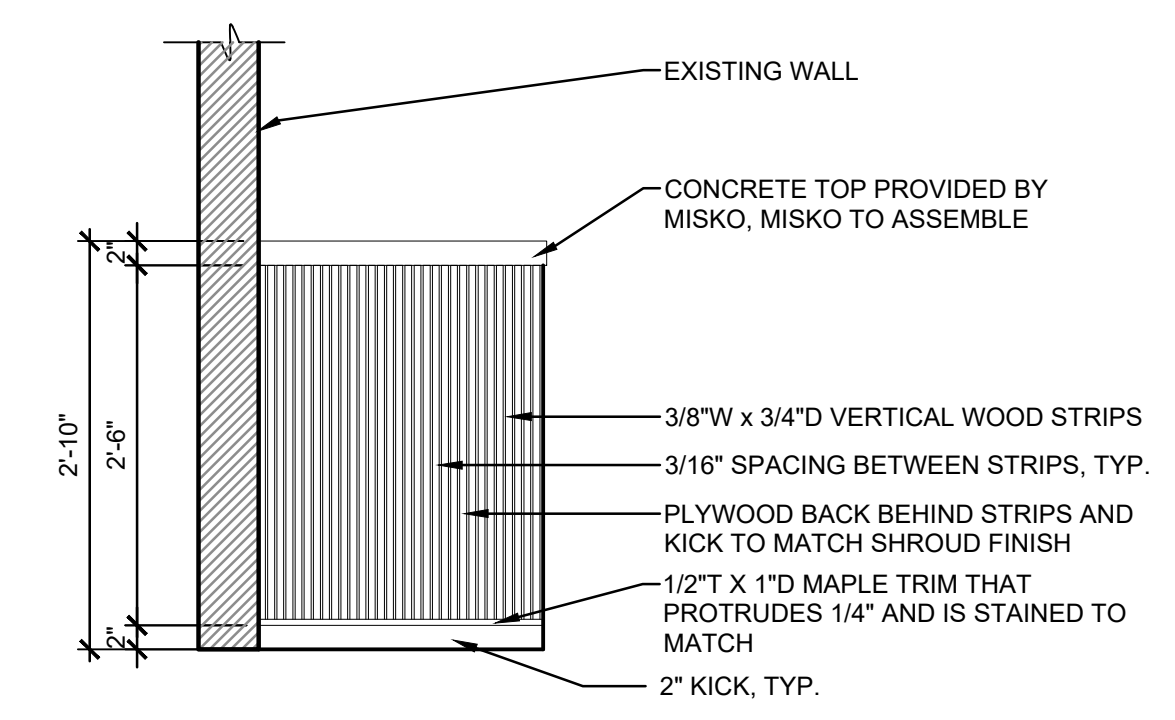
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DOOR SCHEDULE / THRESHOLD / FLOORING DETAILS

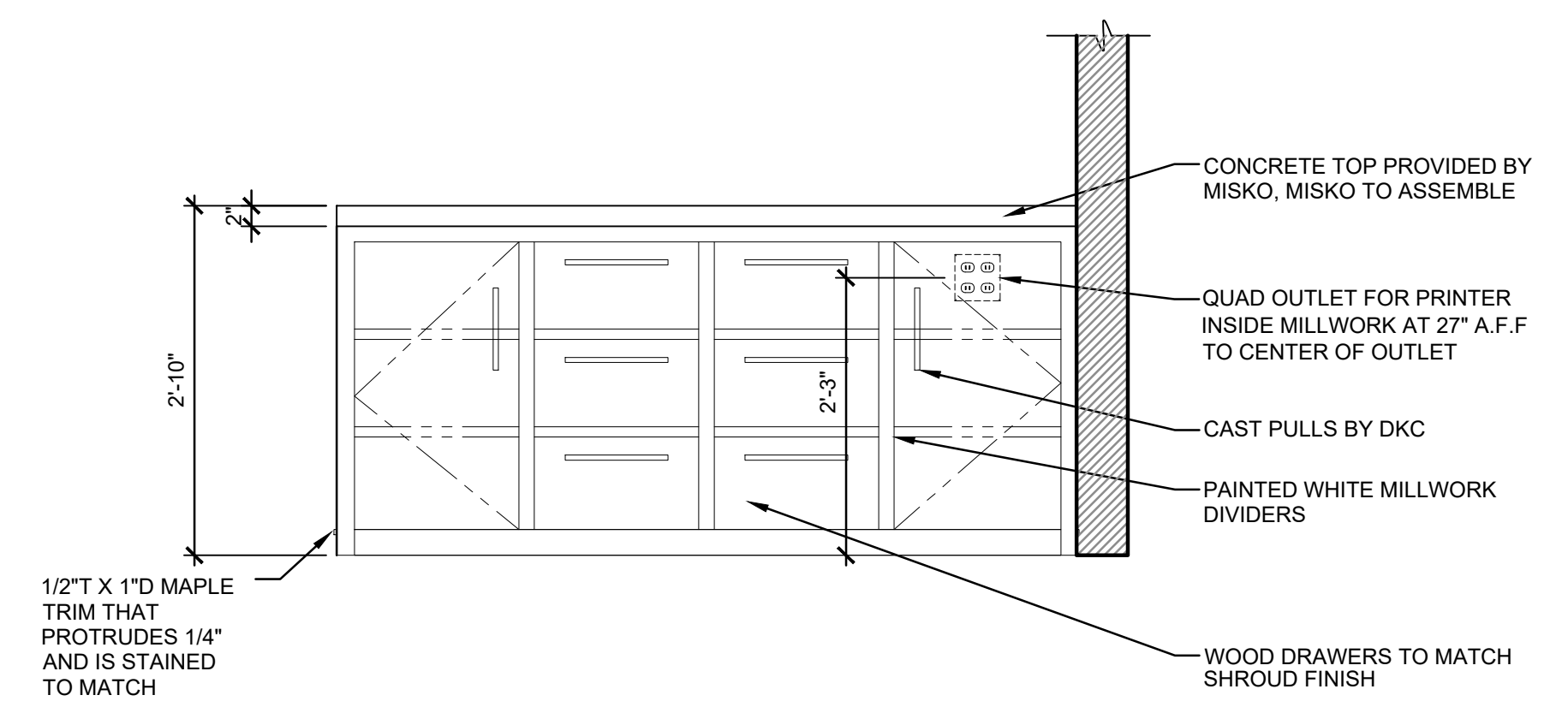
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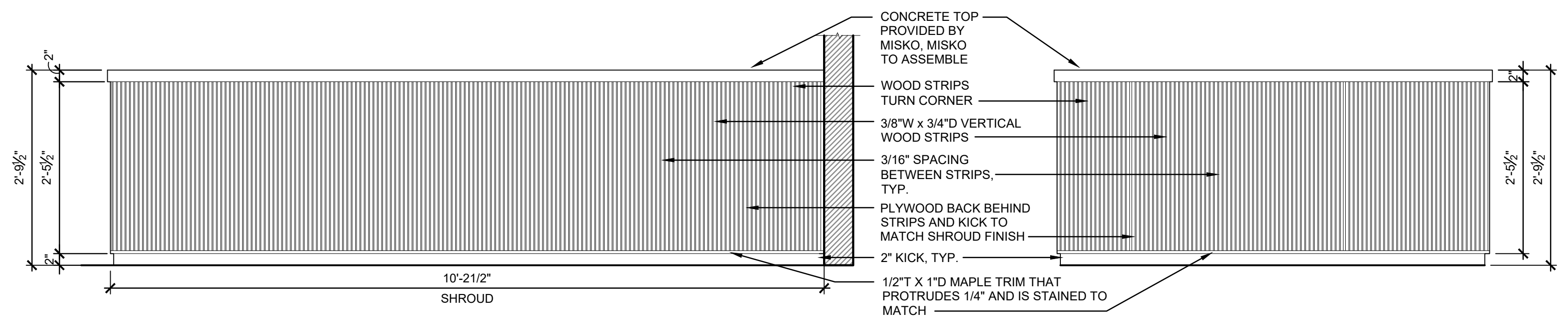
NOTE:
ALL DIMENSIONS & CONFIGURATIONS
SHOWN ON THIS SHEET ARE TO BE
VERIFIED WITH VENDOR DRAWINGS



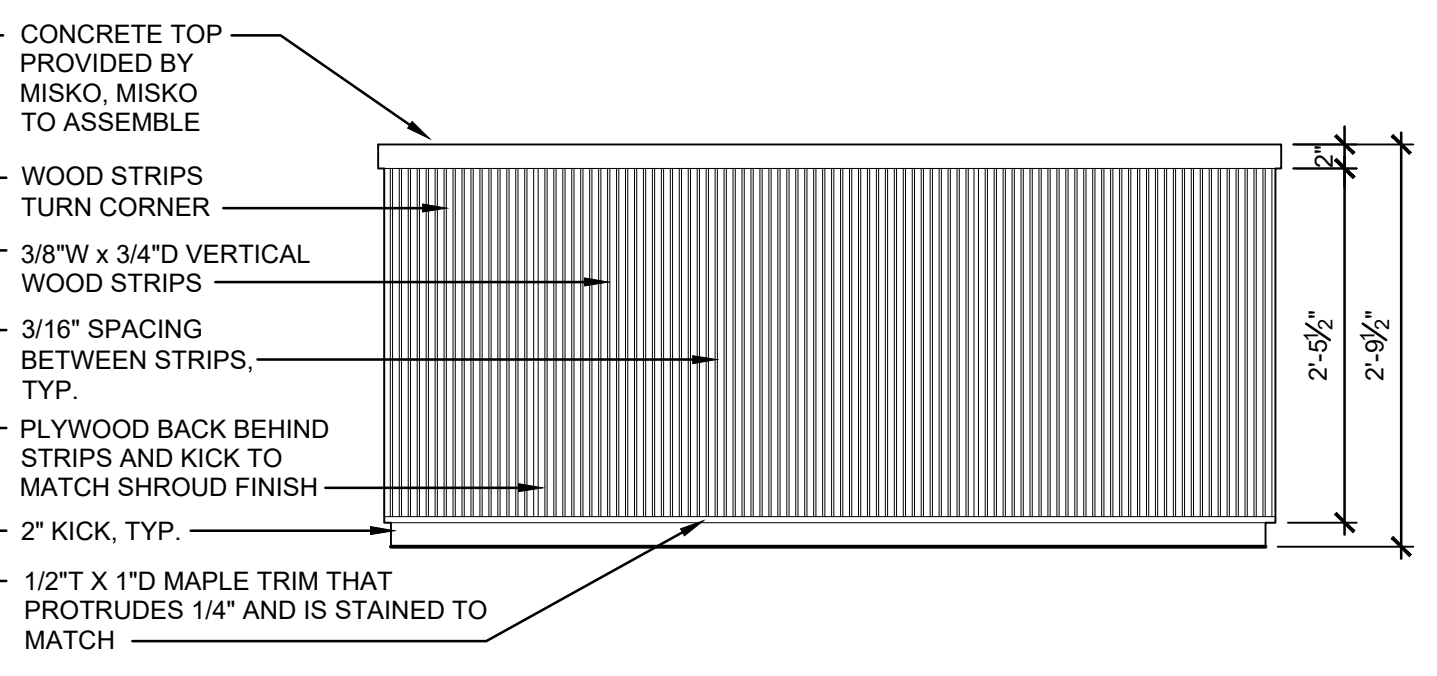
H BACKWRAP ELEVATION - SIDE
A700 SCALE: 3/4"=1'-0" (TS) 221



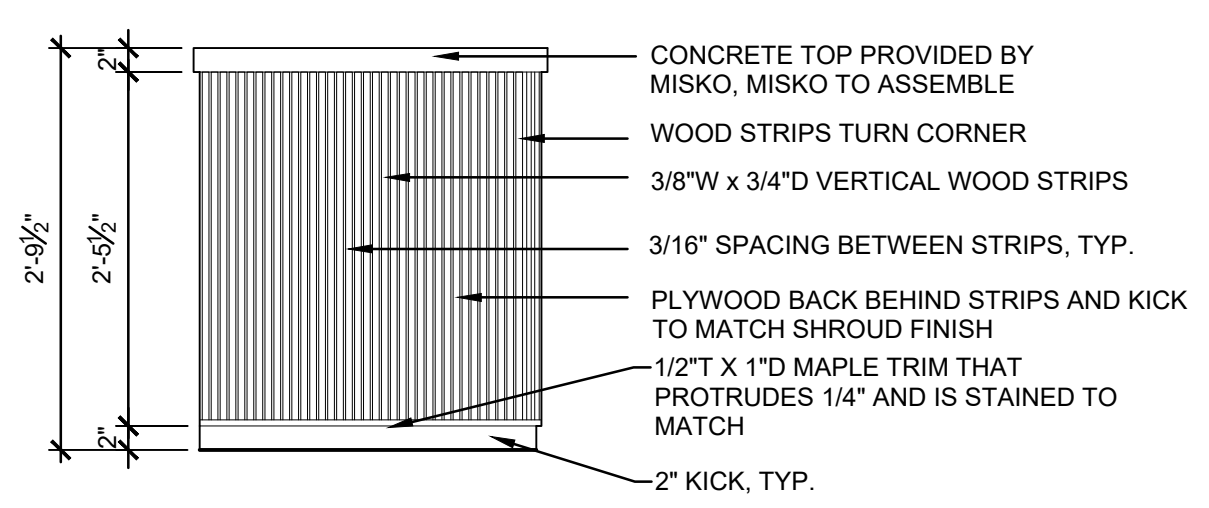
G BACKWRAP ELEVATION - FRONT
A700 SCALE: 3/4"=1'-0" (TS) 221



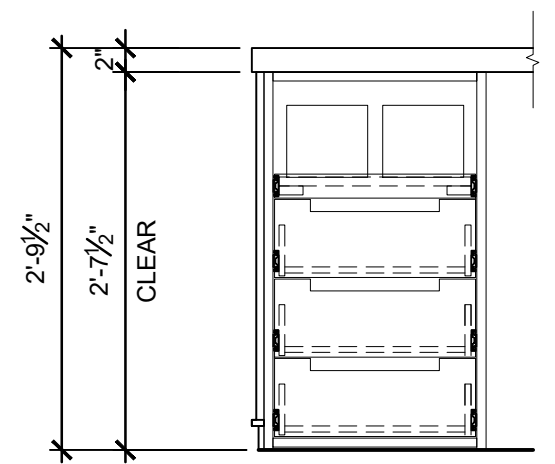
F CASHWRAP ELEVATION - CUSTOMER SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



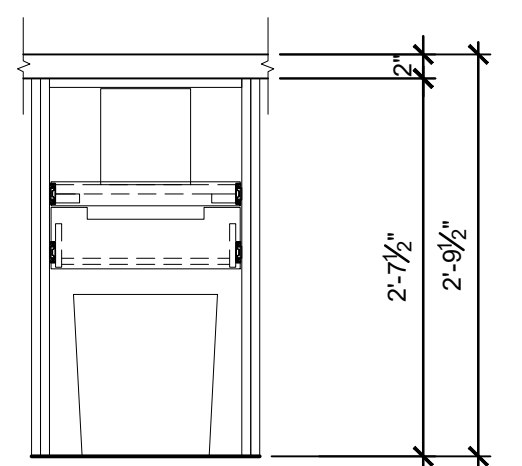
E CASHWRAP ELEVATION - CUSTOMER SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



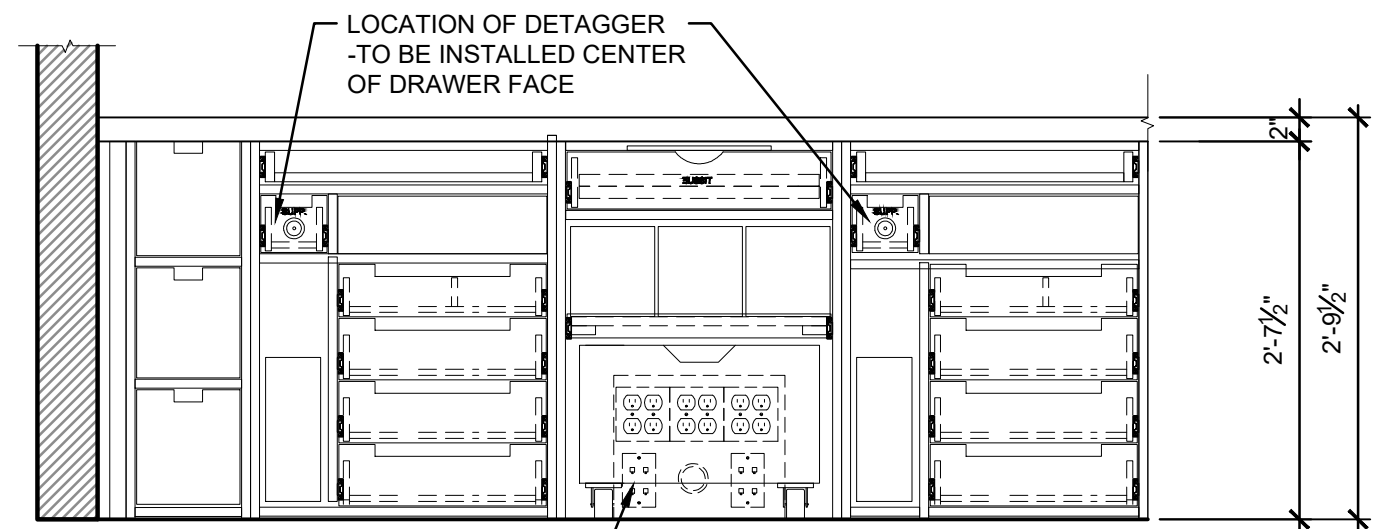
D CASHWRAP ELEVATION - SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



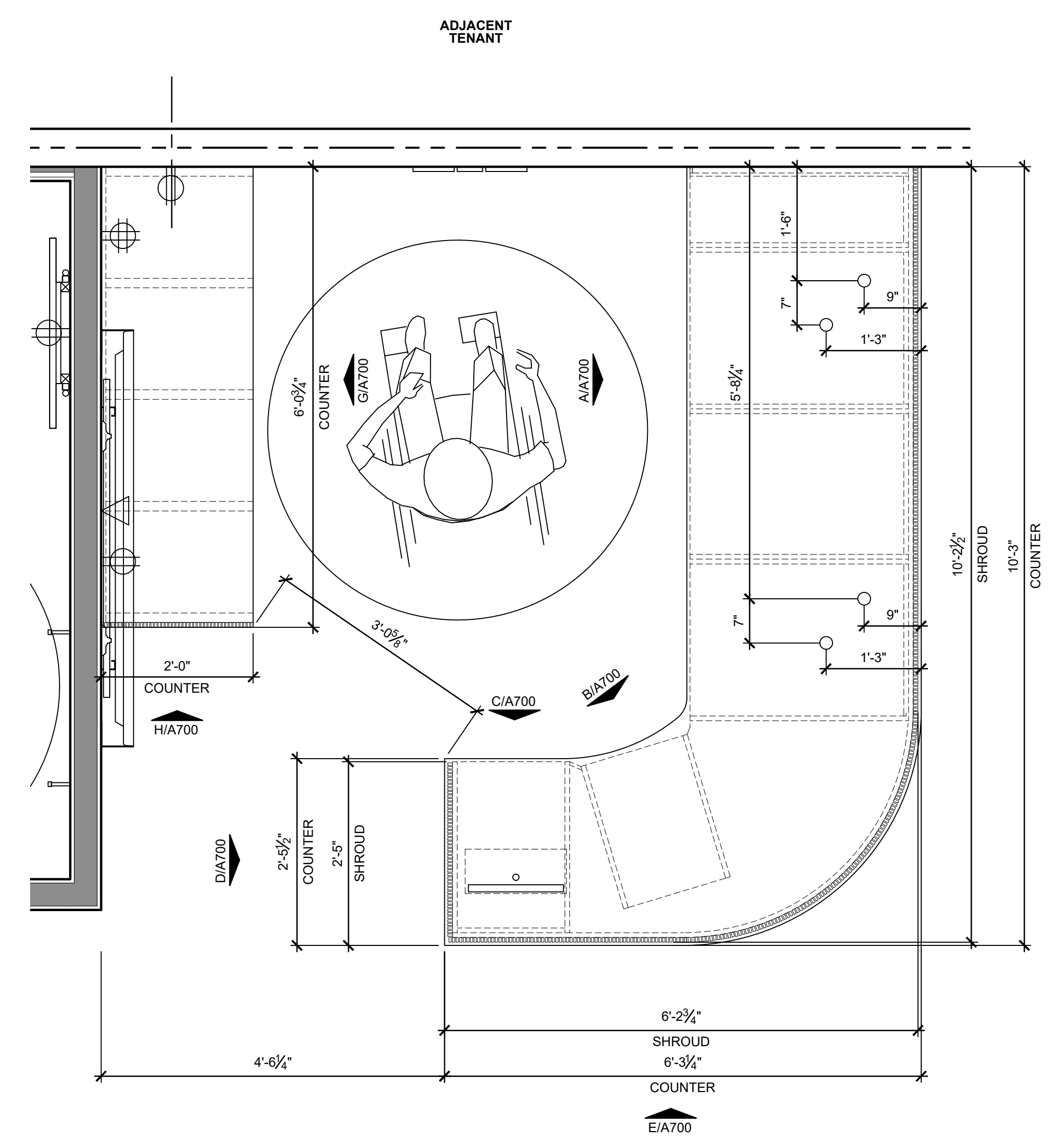
C CASHWRAP ELEVATION - EMPLOYEE SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



B CASHWRAP ELEVATION - EMPLOYEE SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



A CASHWRAP ELEVATION - EMPLOYEE SIDE
A700 SCALE: 3/4"=1'-0" (TS) 220



1 CASHWRAP & BACKWRAP ENLARGED PLAN
A700 SCALE: 3/4"=1'-0"



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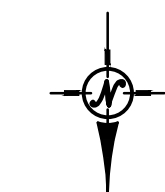
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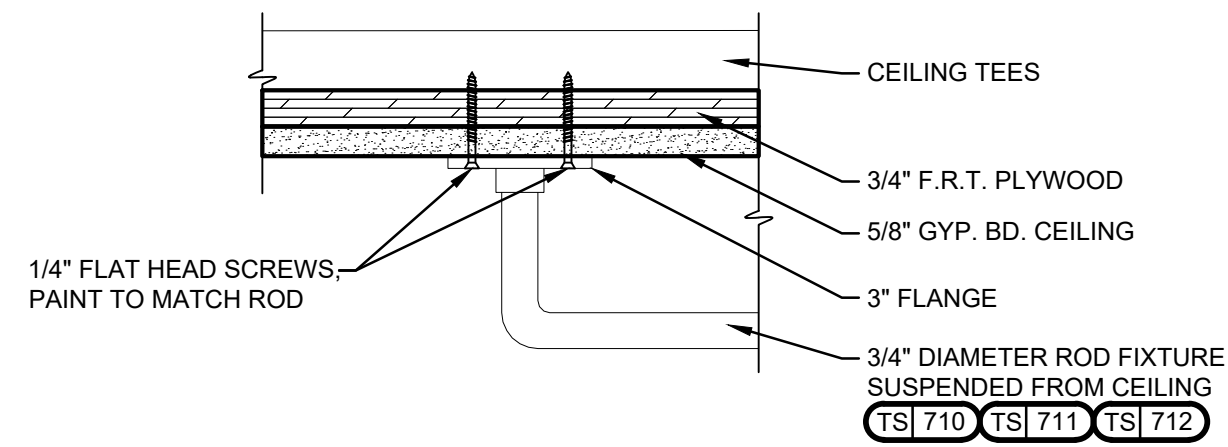
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**CASHWRAP /
BACKWRAP DETAILS**

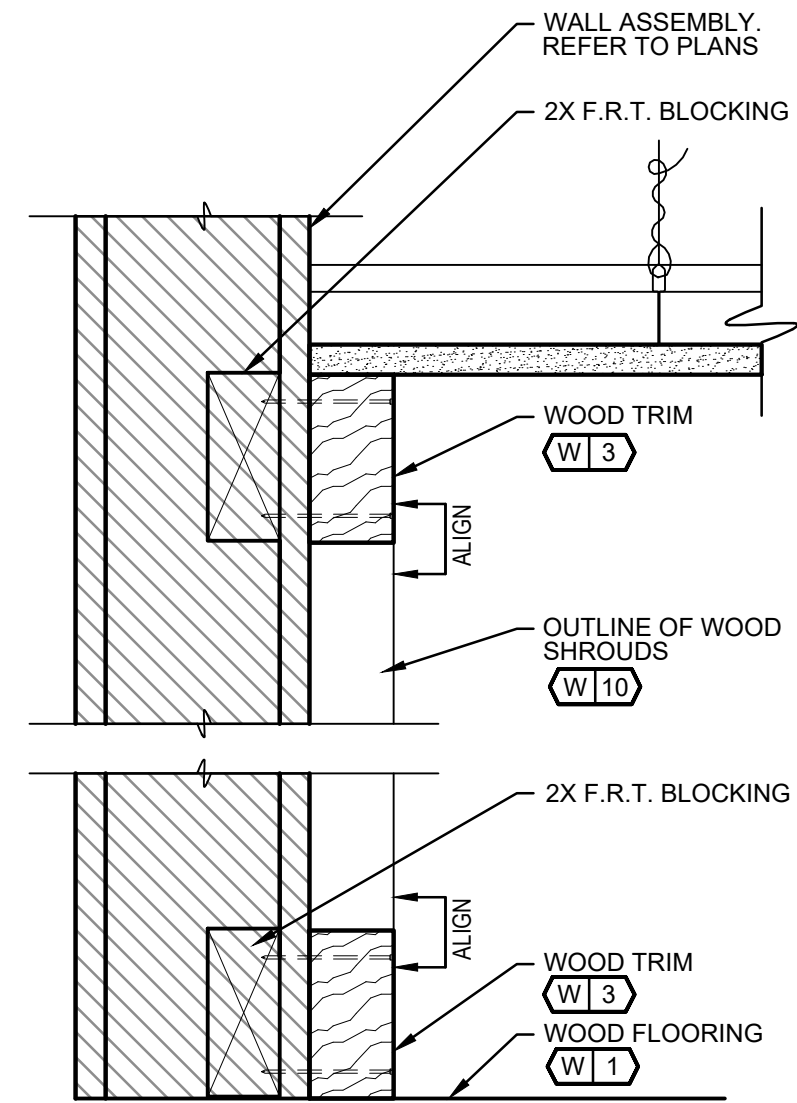
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A700

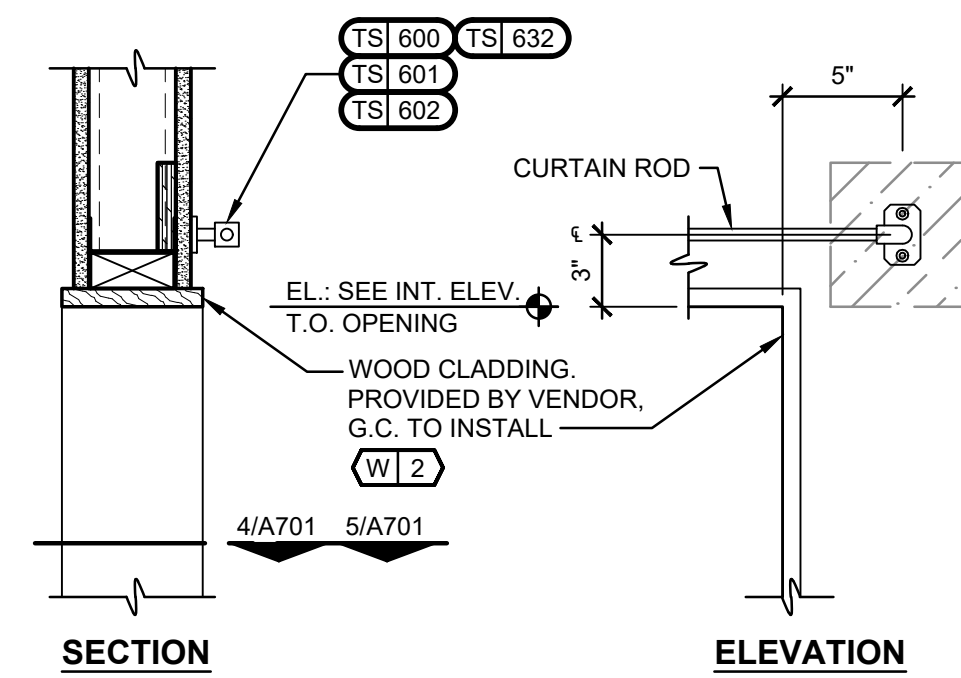




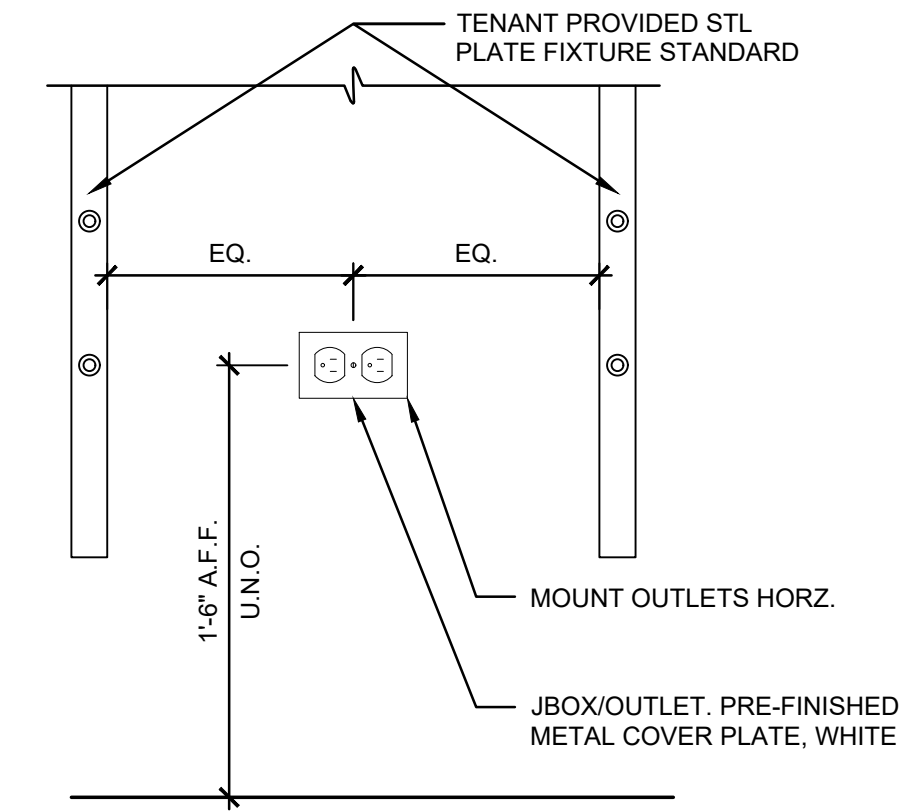
9 DETAIL- CEILING HANG RODS
A701 SCALE: 3"=1'-0"



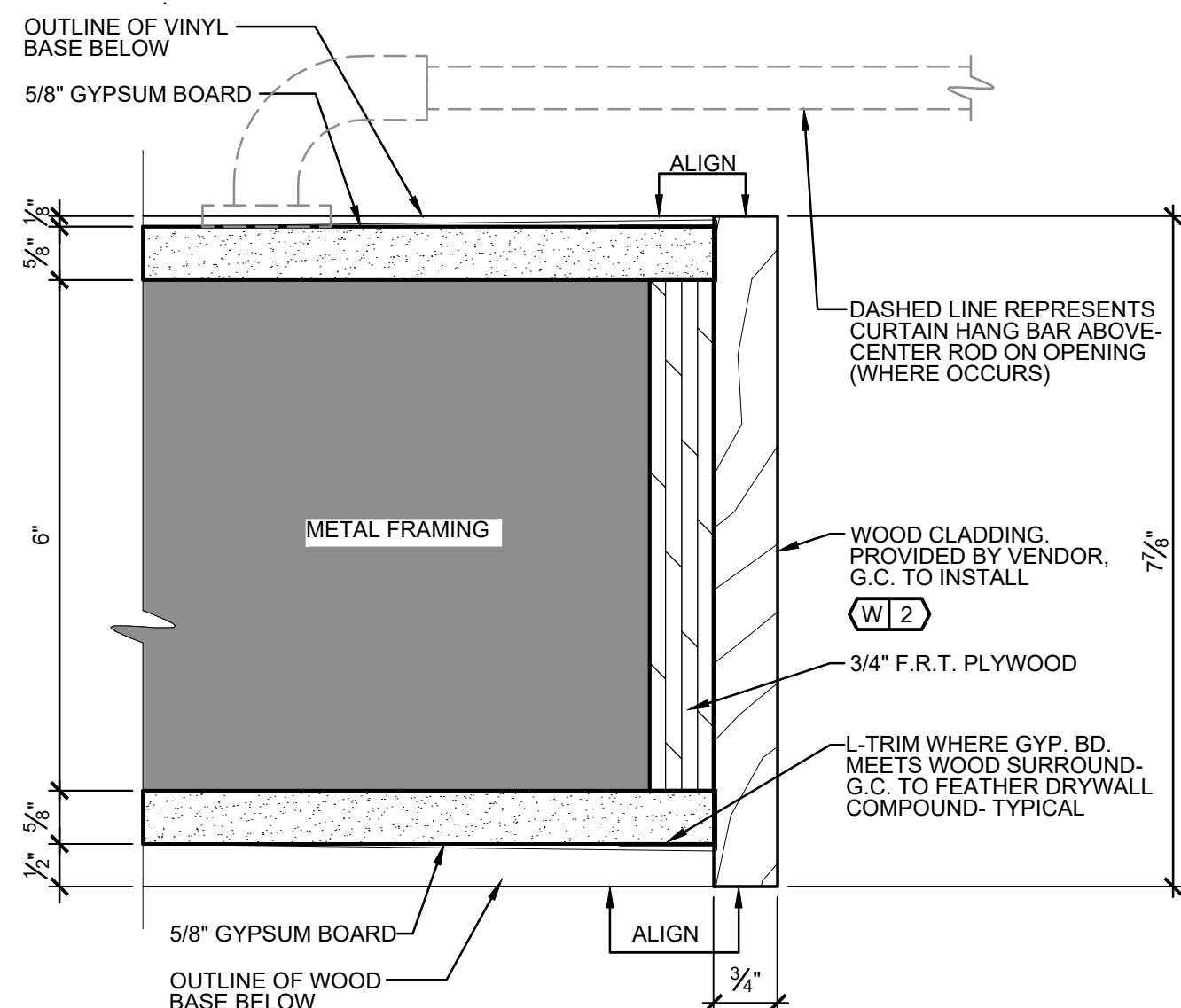
8 WD TRIM AT FLAT STANDARD
A701 SCALE: 3"=1'-0" w/ WD SHROUD



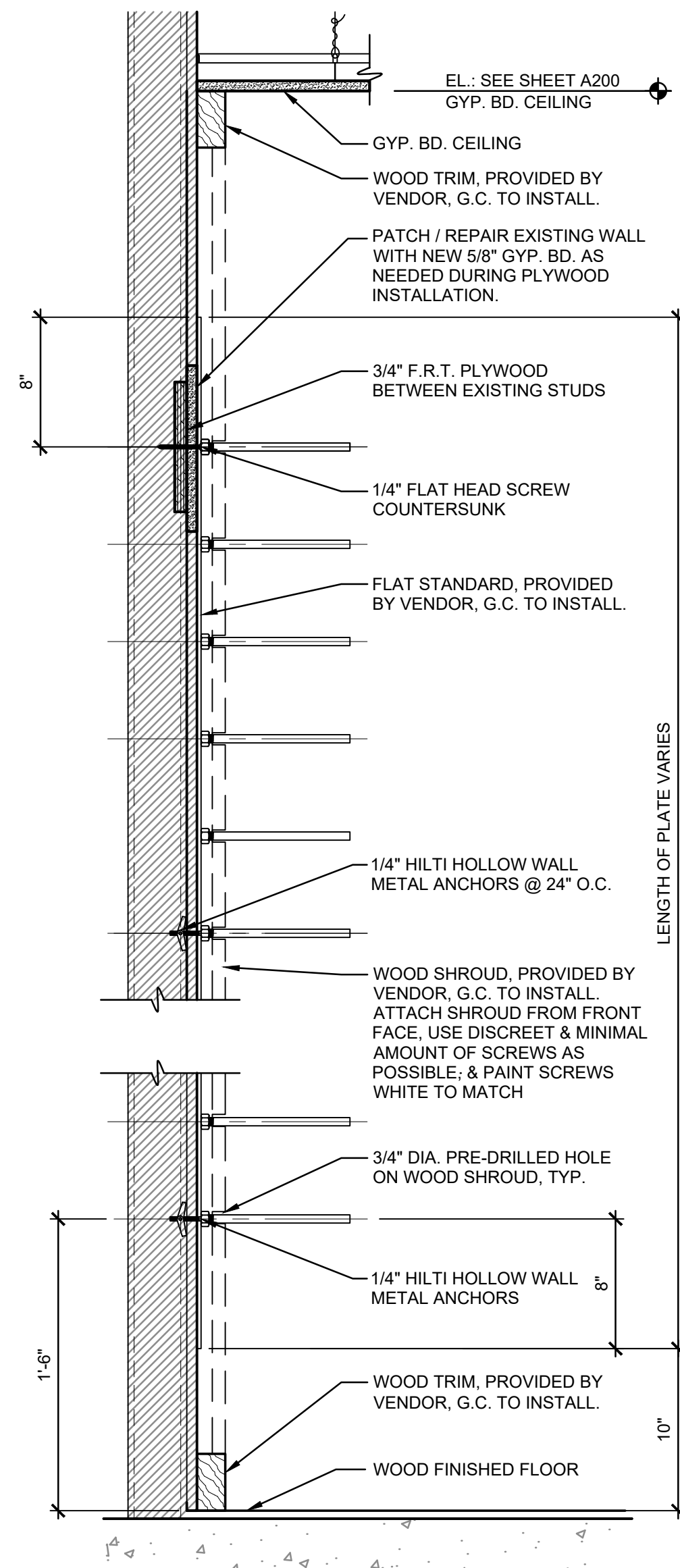
7 TYPICAL CURTAIN ROD DETAIL
A701 SCALE: 1 1/2"=1'-0"
 GC TO PROVIDE F.R.T. BLOCKING AS REQUIRED FOR FIXTURE ATTACHMENT.



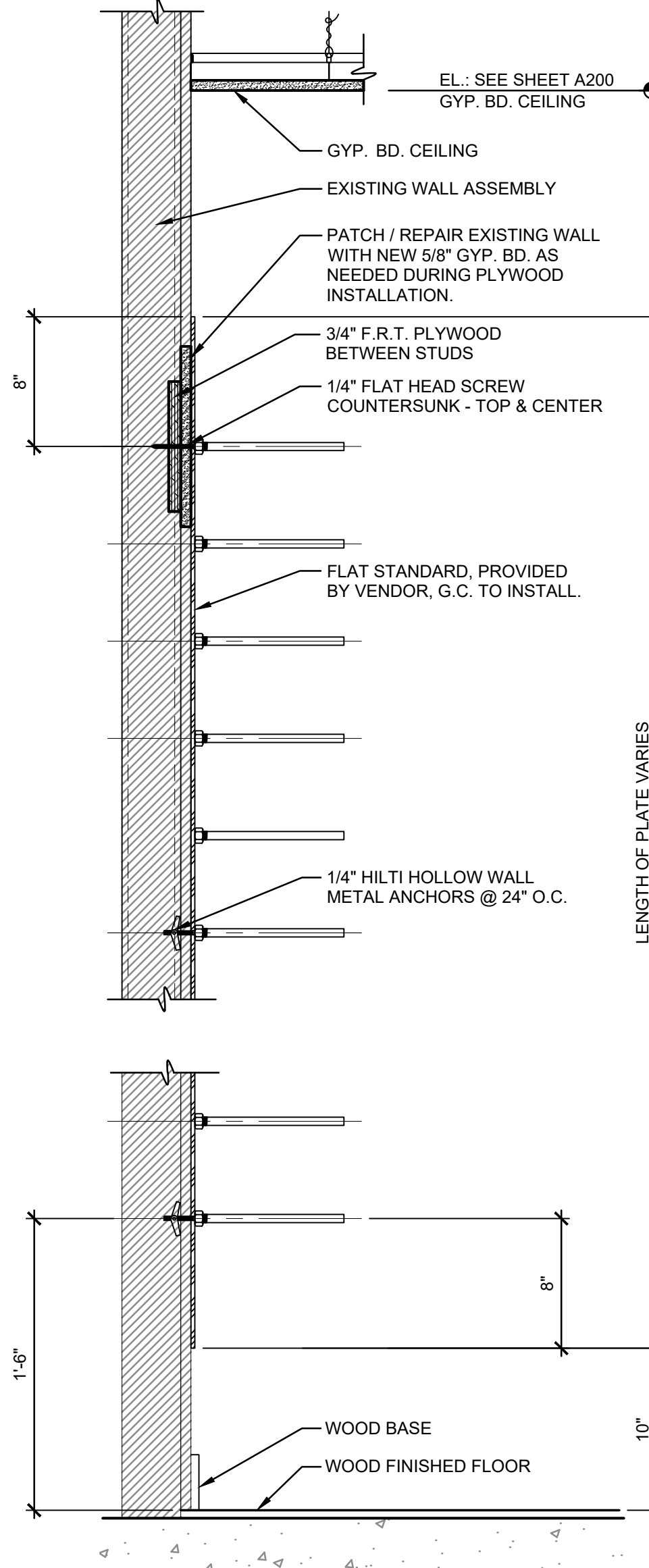
6 TYPICAL OUTLET AT STANDARDS
A701 SCALE: 1 1/2"=1'-0"



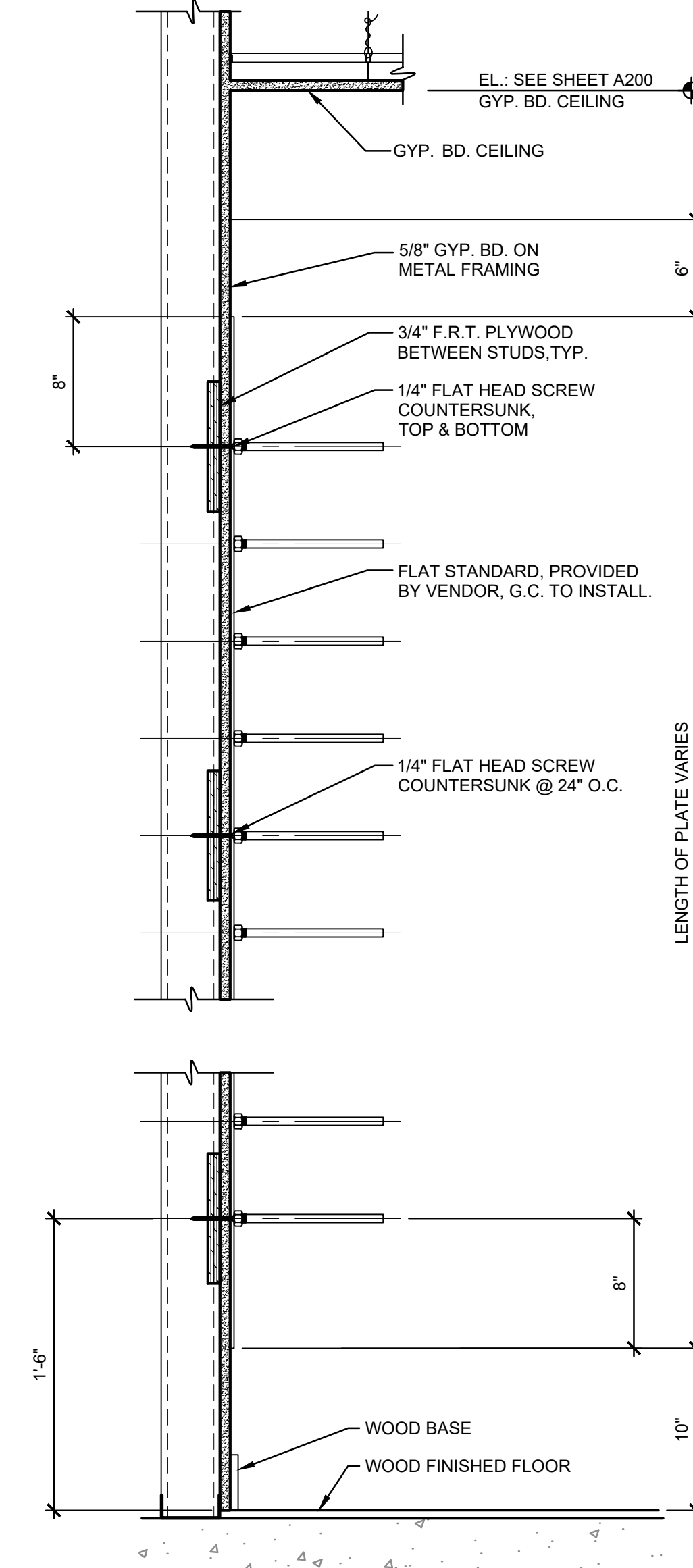
5 WOOD SURROUND - JAMB DETAIL
A701 SCALE: 6"=1'-0" @ VINYL BASE



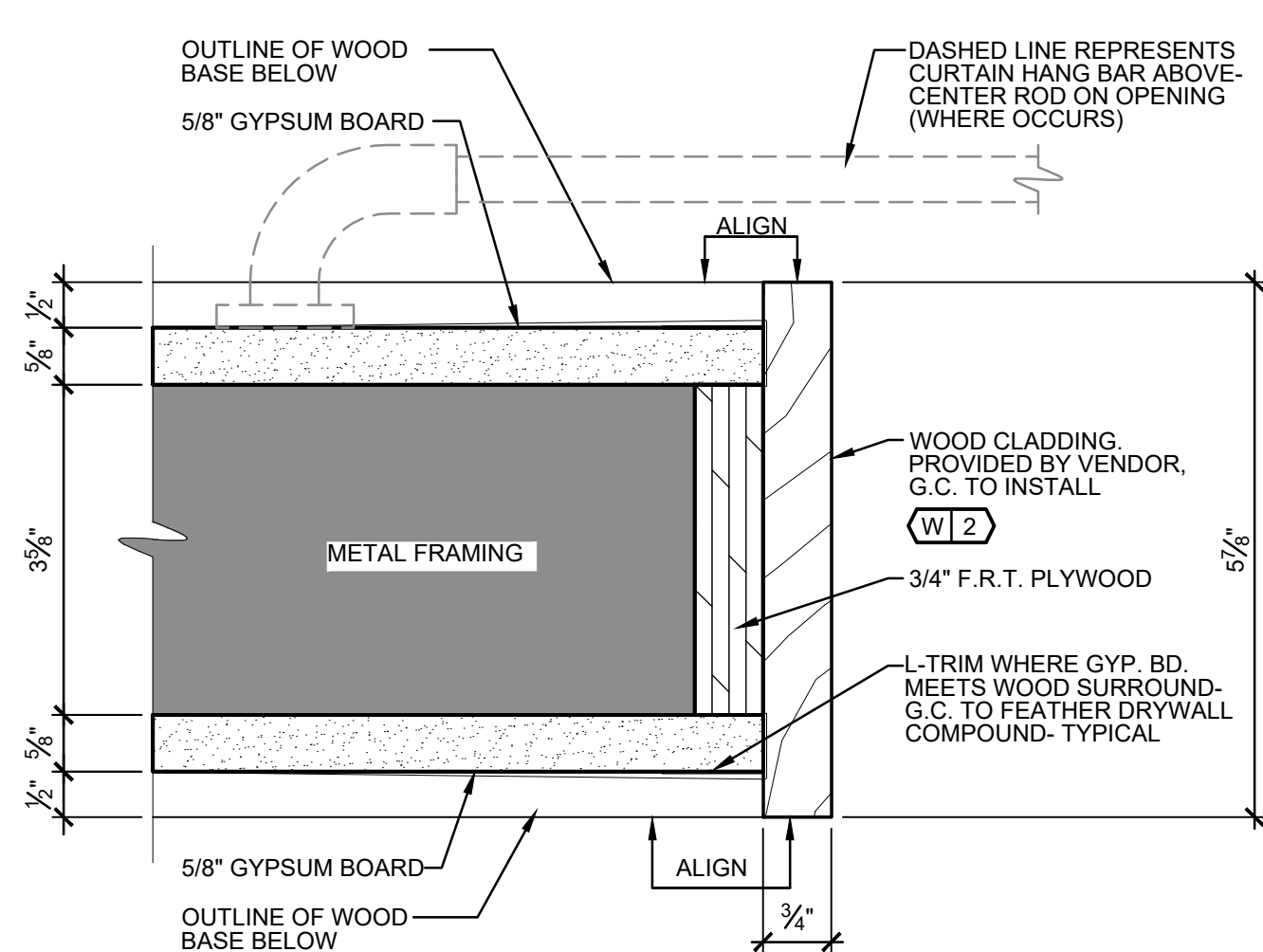
3 SECTION / DETAIL - FLAT STANDARD
A701 SCALE: 1-1/2"=1'-0" w/ SHROUD @ EXISTING WALL



2 SECTION / DETAIL - FLAT STANDARD
A701 SCALE: 1 1/2"=1'-0" @ EXISTING WALL



1 SECTION / DETAIL - FLAT STANDARD
A701 SCALE: 1 1/2"=1'-0"



4 WOOD SURROUND - JAMB DETAIL
A701 SCALE: 6"=1'-0"



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SHEET TITLE :

FIXTURE & INTERIOR
DETAILS

SHEET NO. :

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 SPACE 530
 3095 SHERIDAN DR.
 AMHERST, NY 14226

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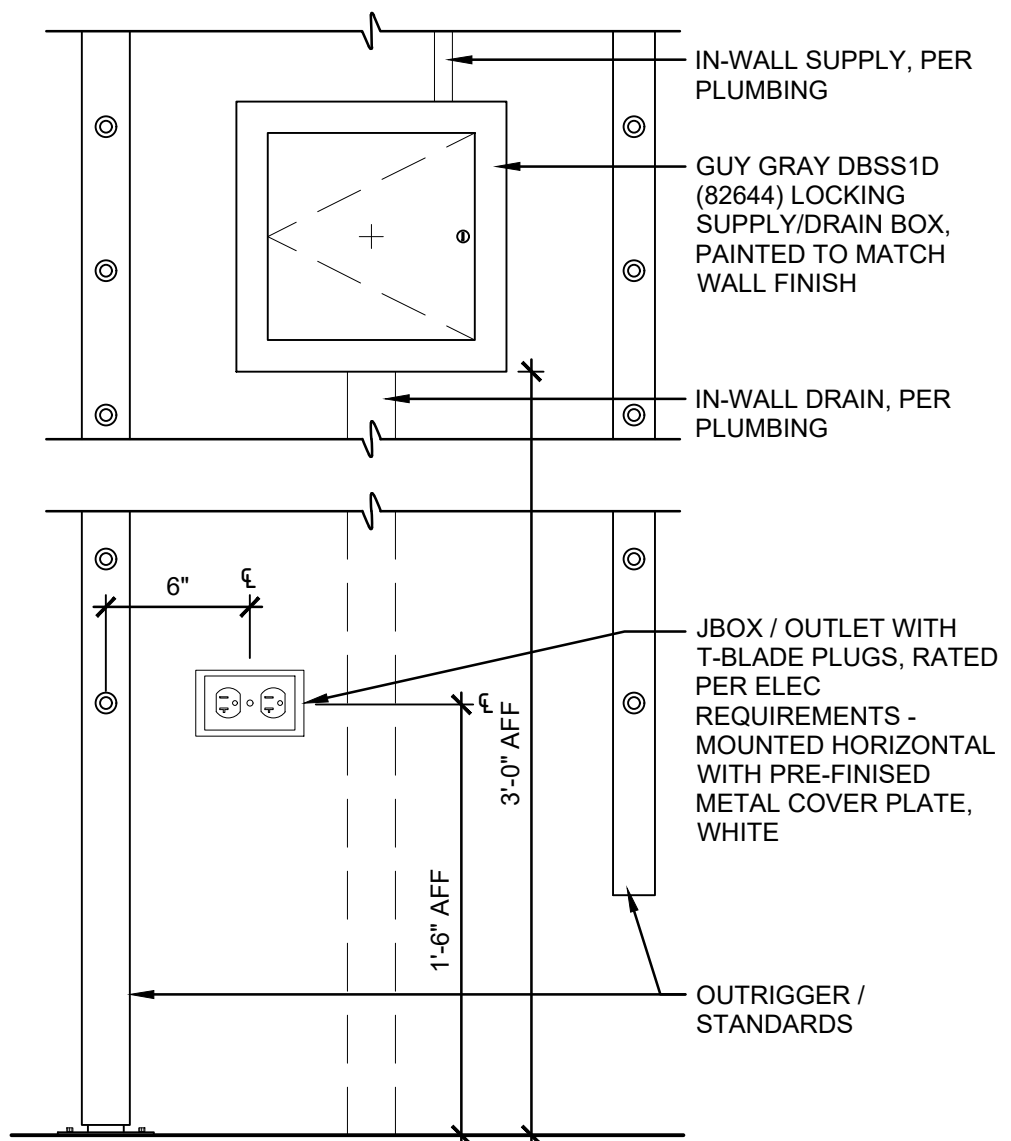
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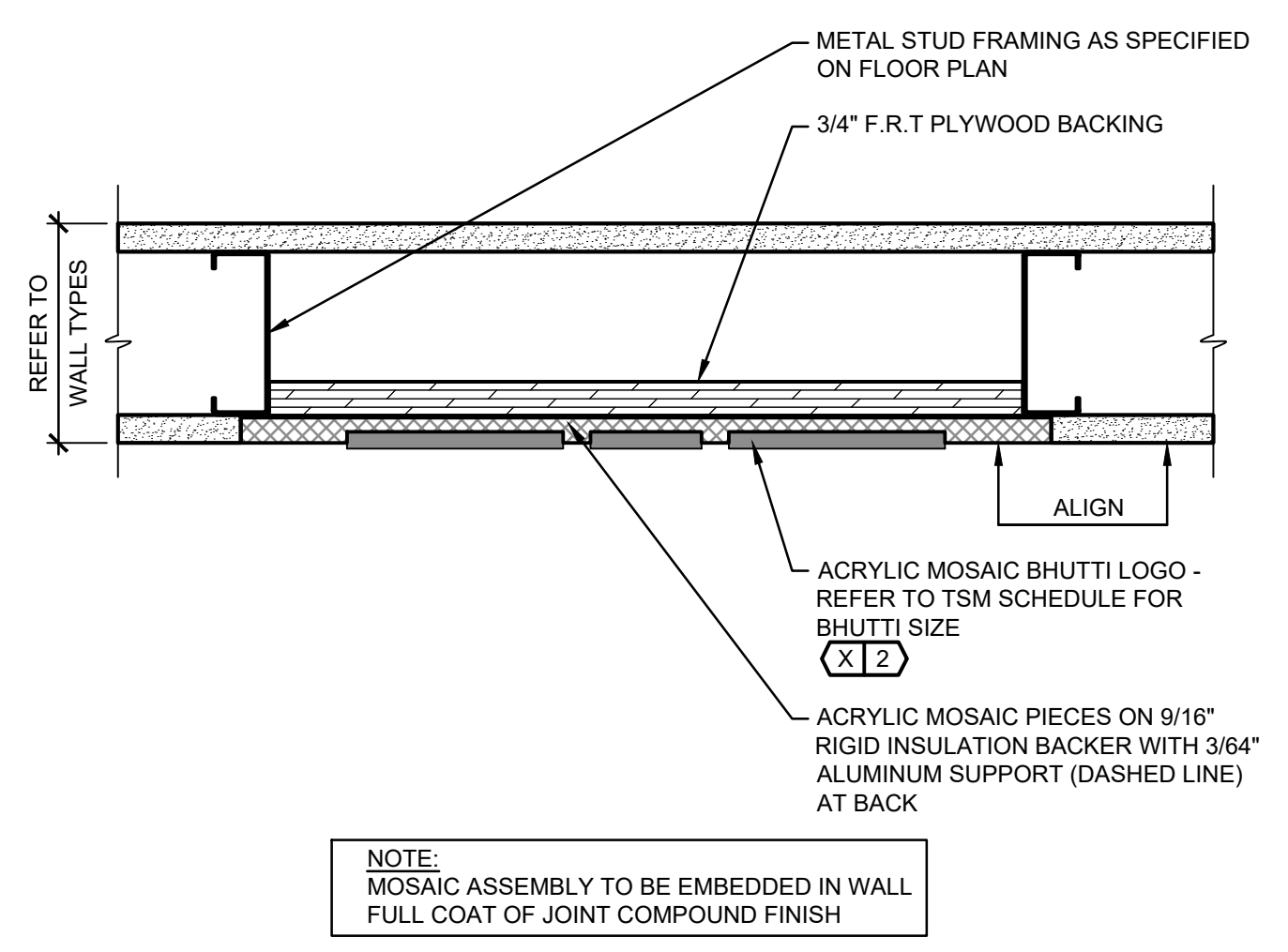
ISSUE 1 - CHECK SET	03-14-2025
ISSUE 2 - BID-PERMIT SET	03-28-2025
ISSUE 3 - PERMIT SET	04-25-2025

SHEET TITLE:
FIXTURE & INTERIOR DETAILS

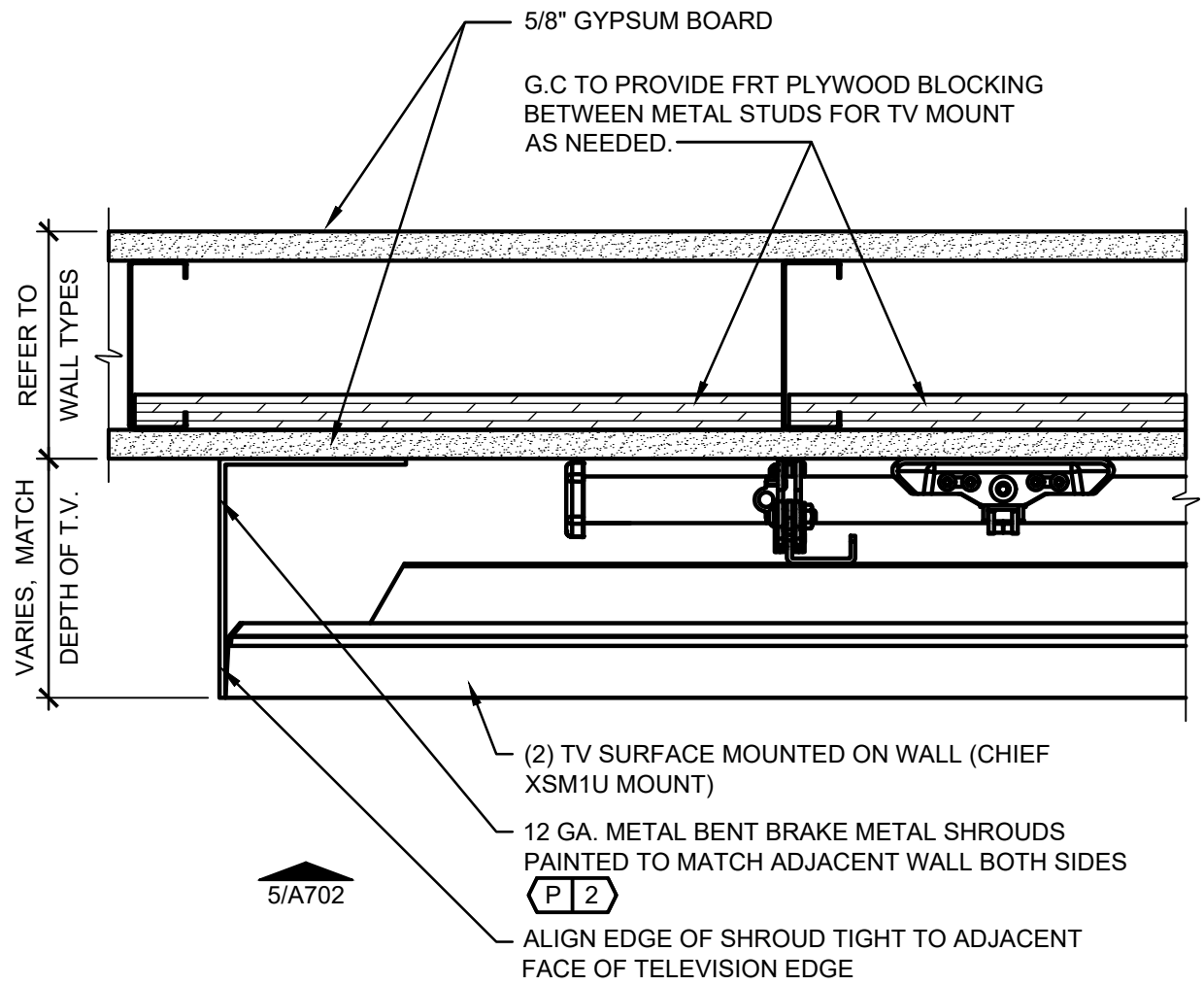
SHEET NO. :
A702



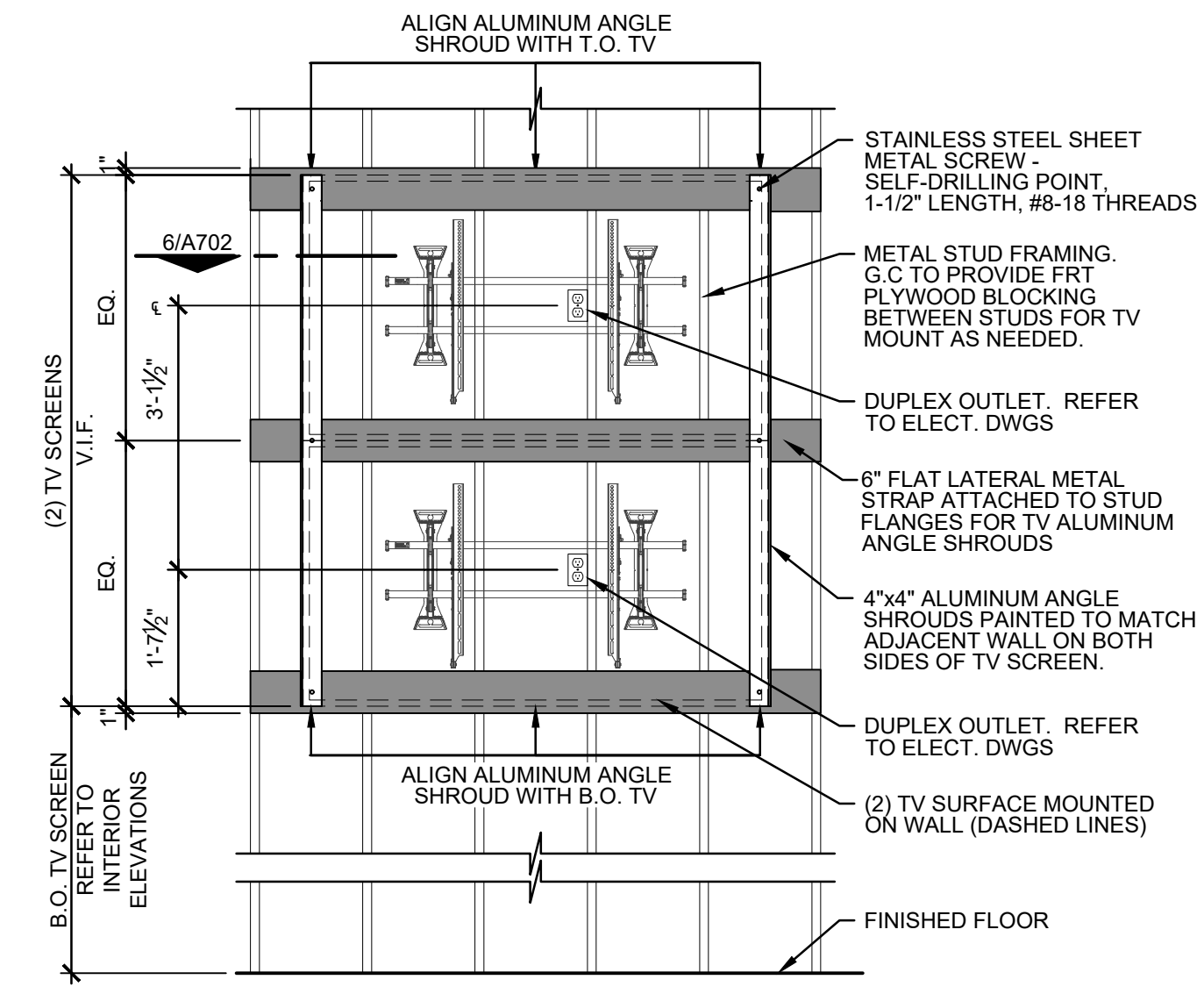
8 AUXILIARY COOLING MANIFOLD DETAIL
 A702 SCALE: 1-1/2" = 1'-0"



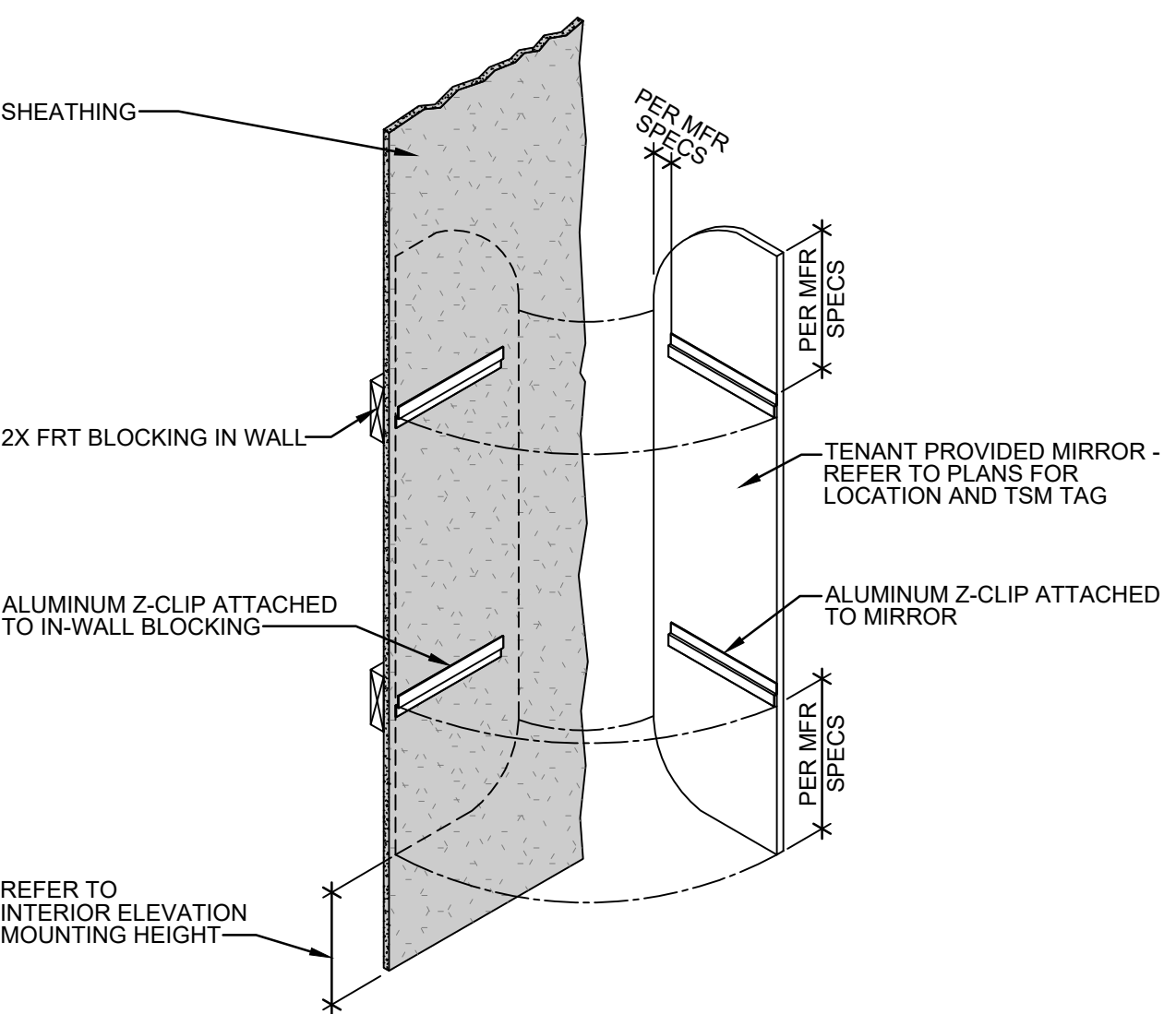
7 PLAN DETAIL - MOSAIC LOGO
 A702 SCALE: 3" = 1'-0"



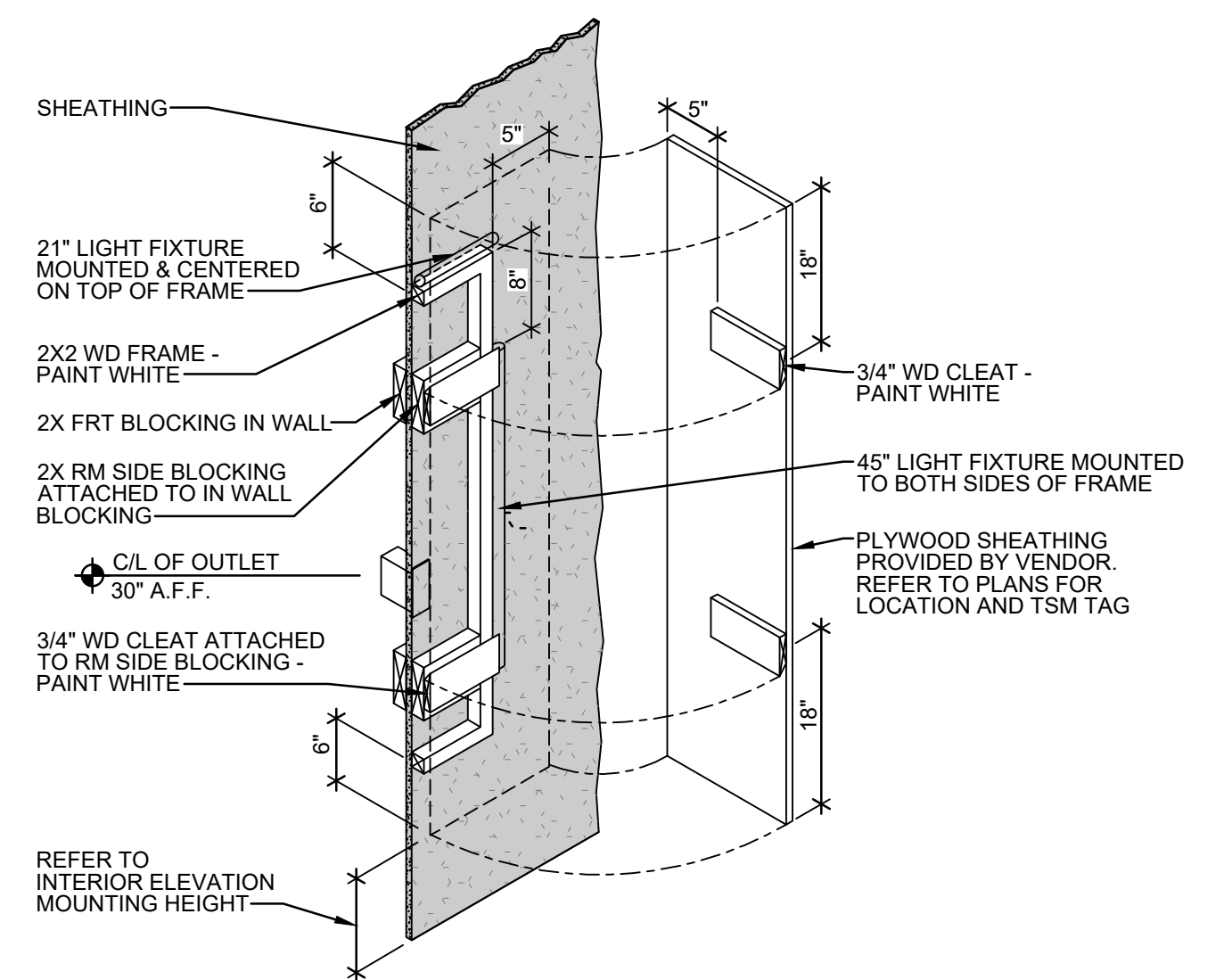
6 PLAN DETAIL - TV SHROUD / MOUNTING BRACKET BLOCKING
 A702 SCALE: 3" = 1'-0"



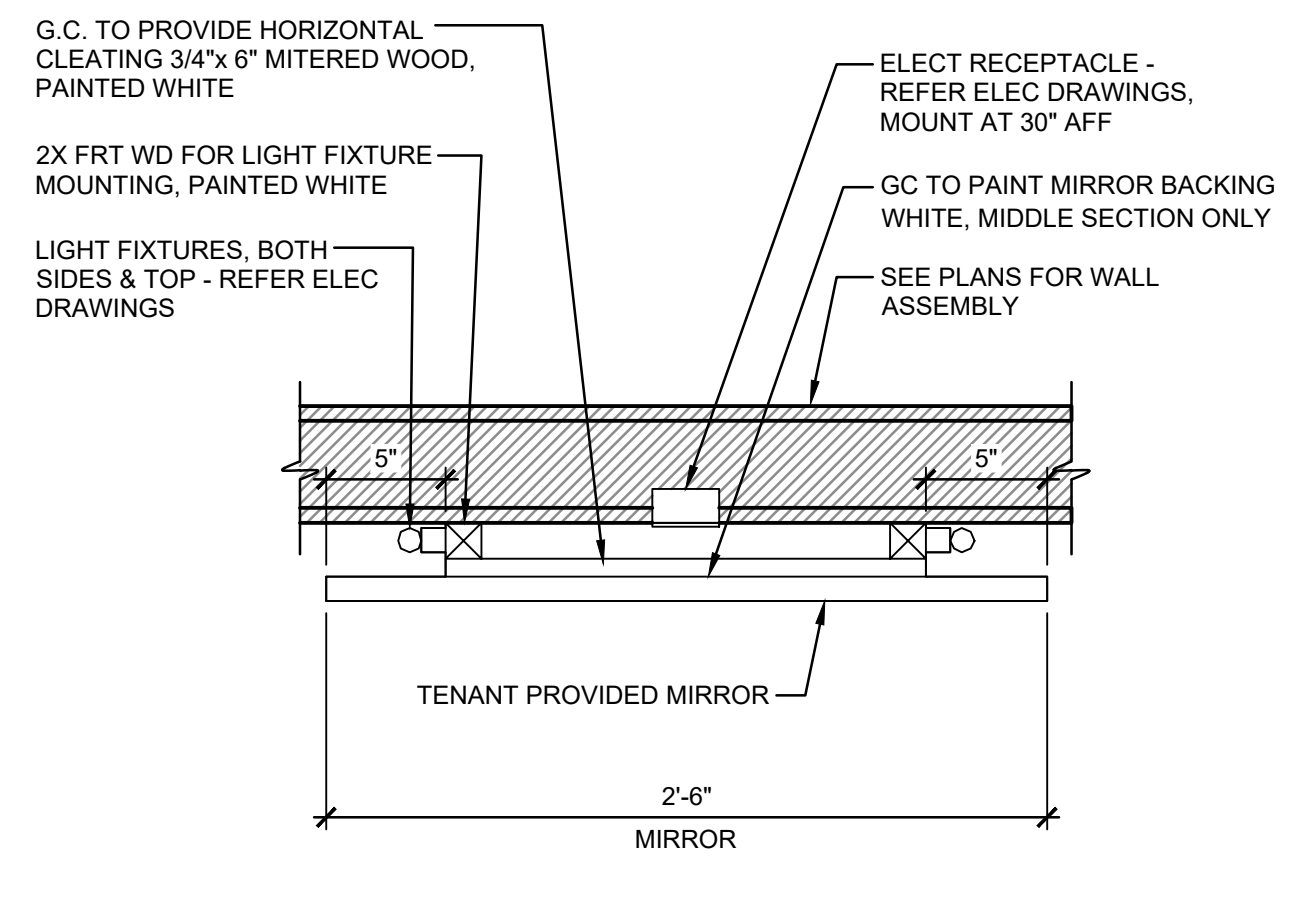
5 ELEVATION - TV SHROUD / MOUNTING BRACKET BLOCKING
 A702 SCALE: 1/2" = 1'-0"



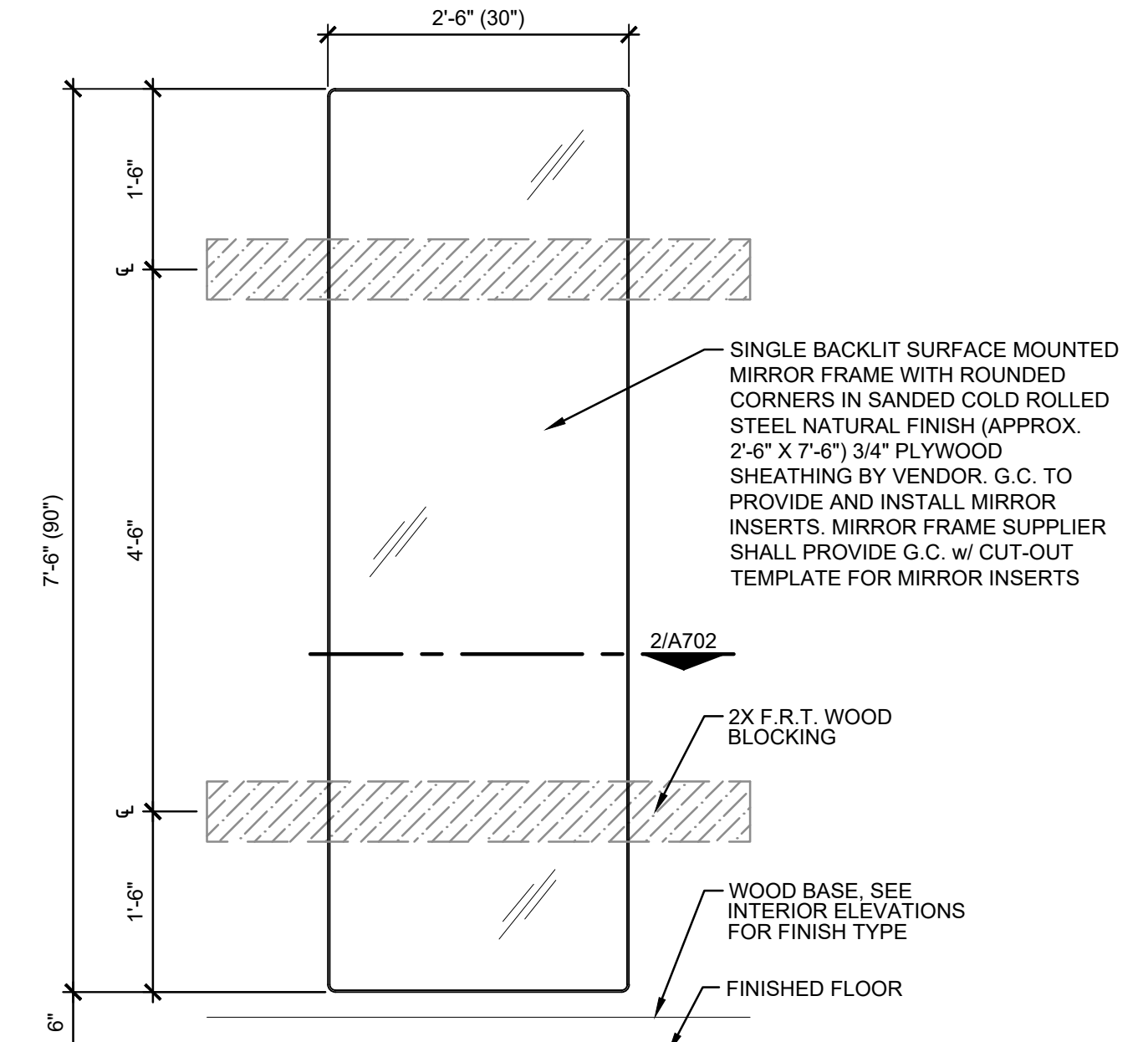
4 ISOMETRIC - SALES MIRROR NON-LIT
 A702 SCALE: N.T.S. (TSI 700)



3 ISOMETRIC - FITTING ROOM MIRROR BACKLIT
 A702 SCALE: N.T.S. (TSI 610)



2 PLAN DETAIL - WALL MOUNTED MIRROR BACKLIT
 A702 SCALE: 1-1/2" = 1'-0" (TSI 610)



1 ELEVATION - FITTING ROOM MIRROR BACKLIT
 A702 SCALE: 3/4" = 1'-0" (TSI 610)

STRUCTURAL GENERAL NOTES

CODE: 2020 NEW YORK STATE BUILDING CODE
2018 IBC,ASCE 7-16

LOADS

ROOF LIVE LOAD ----- 20 PSF

ROOF SNOW LOADS

GROUND SNOW LOAD ----- 50 PSF
ROOF SNOW LOAD ----- 35 PSF + DRIFT

WIND LOADS

Vult ----- 110 MPH
Vasd ----- 85 MPH
EXPOSURE CATEGORY B
IMPORTANCE FACTOR = 1.0

EARTHQUAKE DESIGN DATA

RISK CATEGORY = II
SEISMIC IMPORTANCE FACTOR (Ie) = 1.0
MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS Ss = 0.167 Sl = 0.045
SITE CLASS = D (ASSUMED)
DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS Sds = 0.178 Sd1 = 0.072
SEISMIC DESIGN CATEGORY = B

SEISMIC LOADS CALCULATED IN ACCORDANCE WITH THE EQUIVALENT LATERAL FORCE PROCEDURE.

NO CHANGES HAVE BEEN MADE TO THE BUILDING LATERAL SYSTEMS.

SPECIAL LOADS

INTERIOR WALLS & PARTITIONS THAT EXCEED 6 FT IN HEIGHT - LATERAL LOAD - 5 PSF
HANDRAIL - LOADS IN ACCORDANCE WITH IBC SECTION 1607.7.1

GENERAL

THE STRUCTURE OR STRUCTURAL MODIFICATIONS ARE DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE WORK IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.

FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING CONSTRUCTION IF NEW CONSTRUCTION IS ADJACENT TO OR IS WITHIN AN EXISTING STRUCTURE.

WORK THESE DRAWINGS WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL AND CIVIL DRAWINGS.

CONCRETE

ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

ALL CONCRETE INCLUDING SLABS AND CURBS - 4,000 PSI MINIMUM

REINFORCING BARS SHALL BE NEW BILLET STEEL BARS CONFORMING TO ASTM A-615. GRADE 60 (60,000 PSI YIELD).

NO TACK WELDING OF REINFORCING IN THE FIELD WILL BE PERMITTED.

WELDED WIRE MESH REINFORCING SHALL CONFORM TO ASTM A-1064.

ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-16, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" UNLESS NOTED OTHERWISE.

ALL DETAILING, FABRICATION AND PLACING OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI 318-14, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES."

STRUCTURAL STEEL

STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A-992 GRADE 50 (Fy = 50 KSI). SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A-500 GRADE B (Fy = 46 KSI). ROUND HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO ASTM A500 GRADE B (Fy = 42 KSI). STEEL PIPE SHALL CONFORM TO ASTM A-53 GRADE B (Fy = 35 KSI MIN). ANGLES, CHANNELS, PLATES, AND BARS SHALL CONFORM TO ASTM A-36 (Fy = 36 KSI) AS A MINIMUM UNLESS NOTED OTHERWISE ON THE DRAWINGS.

DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS.

ALL STRUCTURAL STEEL SHALL BE UN-PRIMED. SEE ARCHITECTURAL DOCUMENTS FOR SPECIAL FINISH PAINT/SEALER REQUIREMENTS.

FIELD CONNECTIONS SHALL BE BOLTED, BEARING TYPE UNLESS NOTED OTHERWISE, USING 3/4" HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325. ONE SIDED CONNECTIONS ARE NOT PERMITTED UNLESS DETAILED ON DRAWINGS OR APPROVED PRIOR TO PRODUCTION OF FABRICATION SHOP DRAWINGS.

STRUCTURAL STEEL (cont)

ALL CONNECTIONS TO TUBES AND PIPES SHALL USE THRU PLATES UNLESS NOTED OTHERWISE.

ALL WELDING SHALL BE DONE USING E-70XX ELECTRODES IN ACCORDANCE WITH THE LATEST AWS SPECIFICATIONS.

WORK THESE DRAWINGS WITH ARCHITECTURAL DRAWINGS FOR NAILER HOLES AND ARCHITECTURAL CLEARANCES.

GENERAL CONTRACTOR SHALL VERIFY ALL STRUCTURAL BEAM LOCATIONS, MECHANICAL UNIT WEIGHTS AND OPENING SIZES AND LOCATIONS WITH MECHANICAL CONTRACTOR AND VENDOR'S EQUIPMENT LAYOUT DRAWINGS FOR ACTUAL MECHANICAL UNIT PURCHASED.

FIELD VERIFY ALL CONDITIONS AT AND CONNECTIONS TO THE EXISTING CONSTRUCTION AS REQUIRED BEFORE FABRICATION.

LIGHT GAGE FRAMING

CONTRACTOR SHALL SUBMIT FINAL DESIGN, FABRICATION AND ERECTION DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW OF ALL FRAMING CONDITIONS, CONNECTIONS AND LAYOUTS.

METAL STUD FRAMING SHOWN ON THE DRAWINGS IS BASED ON SSMA "S" TYPE STUDS WITH SSMA MINIMUM SECTION PROPERTIES AND ALLOWABLE RESISTING MOMENT CAPACITIES.

ALL LIGHT GAGE FRAMING SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS," AISI S100-12 WITH ADDITIONAL APPLICABLE AISI DESIGN STANDARDS NOTED IN THE MICHIGAN BUILDING CODE AS REQUIRED TO PROVIDE A COMPLETE FINAL DESIGN.

ALL FRAMING MEMBERS SHALL BE FORMED FROM STEEL WITH A MINIMUM YIELD STRENGTH OF 33 KSI FOR 18 GA AND THINNER MEMBERS AND 50 KSI FOR 16 GA AND THICKER MEMBERS.

ALL FRAMING SHALL BE GALVANIZED.

ALL CONNECTIONS SHALL BE SCREWED (UNO). POWDER DRIVEN FASTENERS (.157" DIAMETER) ARE ACCEPTABLE BUT ONLY FOR STRUCTURAL APPLICATIONS TO STRUCTURAL STEEL UNLESS NOTED OTHERWISE.

ALL GALVANIZED STUDS, JOISTS AND ACCESSORIES SHALL HAVE A MINIMUM G-60 COATING PER ASTM A924.

PRIOR TO FABRICATION OF FRAMING, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT OR ENGINEER TO OBTAIN APPROVAL.

SHOP DRAWINGS SHALL BE DOCUMENTS ILLUSTRATING MATERIALS, SHOP COATINGS, STEEL THICKNESS, DETAILS OF FABRICATION, DETAILS OF ATTACHMENT TO ADJOINING WORK, SIZE, LOCATION AND SPACING OF FASTENERS FOR ATTACHING FRAMING TO ITSELF, DETAILS OF ATTACHMENT.

PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.

FASTENING OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS (#10 MINIMUM). SCREWS SHALL BE OF SUFFICIENT SIZE TO INSURE THE STRENGTH OF THE MEMBER.

ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT AGAINST ABUTTING RESISTANCE.

STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED TO FLANGES OF BOTH UPPER AND LOWER RUNNERS.

JOISTS SHALL BE LOCATED DIRECTLY OVER BEARING STUDS OR A LOAD DISTRIBUTION MEMBER SHALL BE PROVIDED AT THE TOP OF THE BEARING WALL.

WEB STIFFENERS SHALL BE PROVIDED AT REACTION POINTS AND/OR POINTS OF CONCENTRATED LOADS WHERE INDICATED ON THE DRAWINGS.

JOIST BRIDGING SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS (4'-0" MAXIMUM SPACING).

SPICES IN AXIAL LOAD BEARING MEMBERS OTHER THAN RUNNER TRACK ON BASE FLOOR BEARING SHALL NOT BE PERMITTED.

DIAGONALLY BRACED STUD WALLS OR SPECIALLY INDICATED GYPSUM SHEATHED WALLS, AS INDICATED ON THE DRAWINGS, SHALL BE PROVIDED AT LOCATIONS DESIGNATED AS "SHEAR WALLS" FOR FRAME STABILITY AND LATERAL LOAD

LATERAL BRACING SHALL BE PROVIDED BY USE OF GYPSUM BOARD AND CEMENT BONDED PARTICLE BOARD OR BY HORIZONTAL STRAPS OR COLD-ROLLED CHANNELS. BRACING SHALL CONFORM TO THE AISI SPECIFICATION.

PROVISIONS FOR STRUCTURE VERTICAL MOVEMENT SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS AT ROOF LEVEL.

COMPLETE, UNIFORM AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM RUNNER. RUNNERS SHOULD BE SECURELY ANCHORED TO THE SUPPORTING STRUCTURE AS SHOWN ON THE DRAWINGS.

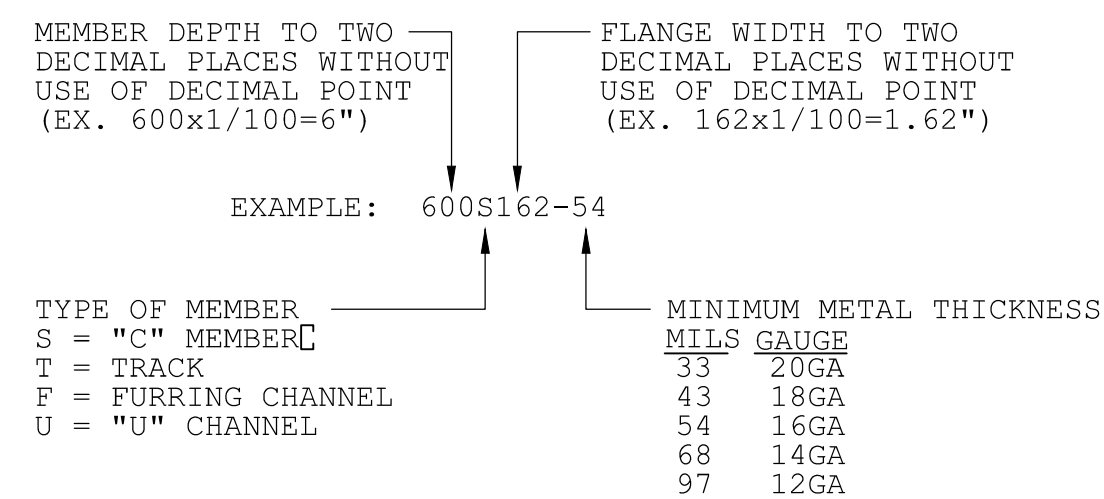
END BLOCKING SHALL BE PROVIDED WHERE JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION.

JACK STUDS OR CRIPPLES SHALL BE INSTALLED BELOW DOOR HEADS AND ELSEWHERE TO FURNISH SUPPORTS.

MINIMUM WOOD BLOCKING ANCHORAGE TO TOP TRACK OF LIGHT GAGE WALL FRAMING SHALL CONSIST OF 2-#14 SELF DRILLING SCREWS WITH FLAT HEAD FOR COUNTER-SINKING + WINGS FOR WOOD REAMING @ 16" C/C.

NOTE: ALL STEEL NETWORK CONNECTIONS MUST MEET AC261 REQUIREMENTS FOR ICC TESTING.

ALL STEEL STUDS ARE IDENTIFIED BY THE STEEL STUD ASSOCIATION NOMENCLATURE AS FOLLOWS:



COLD FORMED METAL FRAMING NOMENCLATURE

SPECIAL INSPECTIONS PER IBC SECTION 1704 & 1705

THE OWNER SHALL EMPLOY A REGISTERED ENGINEER OR TEST AGENCY WITH EXPERIENCED TECHNICIANS UNDER THE DIRECT SUPERVISION OF A REGISTERED ENGINEER TO PERFORM THE DUTIES OF THE SPECIAL INSPECTOR. THE SPECIAL INSPECTOR SHALL MEET THE QUALIFICATIONS AS STATED IN THE BUILDING CODE.

DUTIES AND RESPONSIBILITIES OF THE INSPECTOR:

THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS, AND THE FOLLOWING TABLE.

THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CURRENT BUILDING CODE. REPORTS SHALL COMPLY WITH THE REQUIREMENTS OF IBC SECTION 1704 & 1705

NOTE: ALL STEEL NETWORK CONNECTIONS MUST MEET AC261 REQUIREMENTS FOR ICC TESTING.

(E) EXISTING
(N) NEW
(FV) FIELD VERIFY

NOTE:
SCALES INDICATED ARE BASED ON FULL SIZE 22"x34" DRAWING. DIMENSIONS SHALL NOT BE DETERMINED BY COMPUTER SCALING OF DRAWINGS.

NOTE:
ALL DIMENSIONS OF EXISTING STRUCTURE ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.



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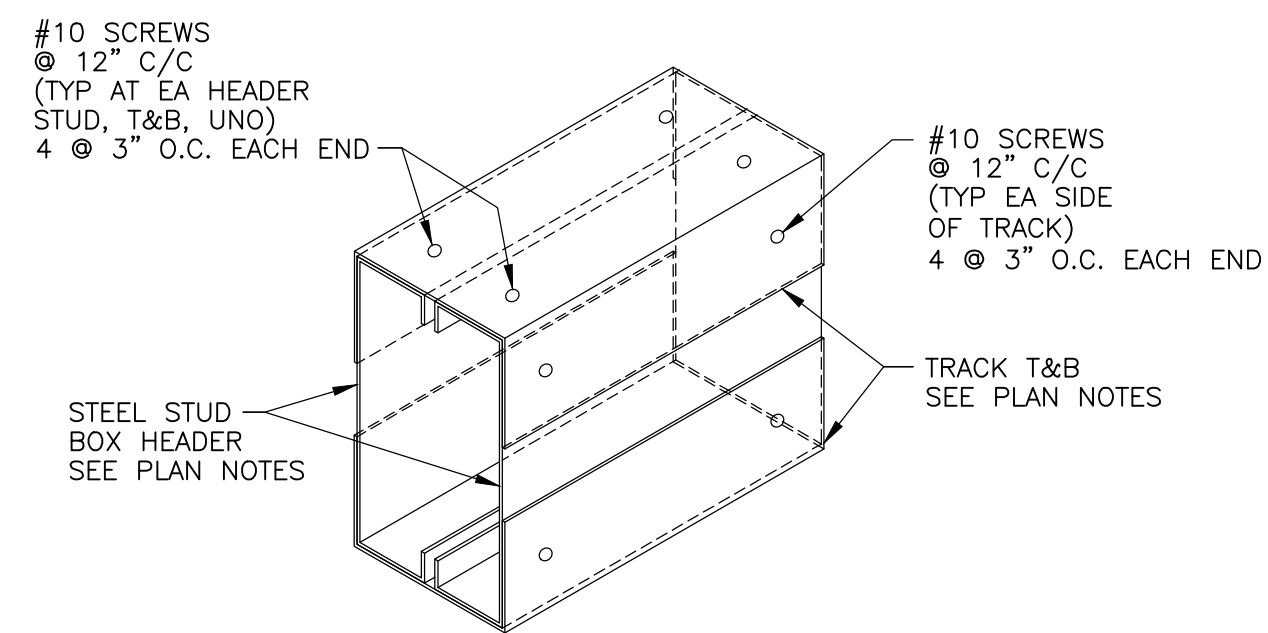
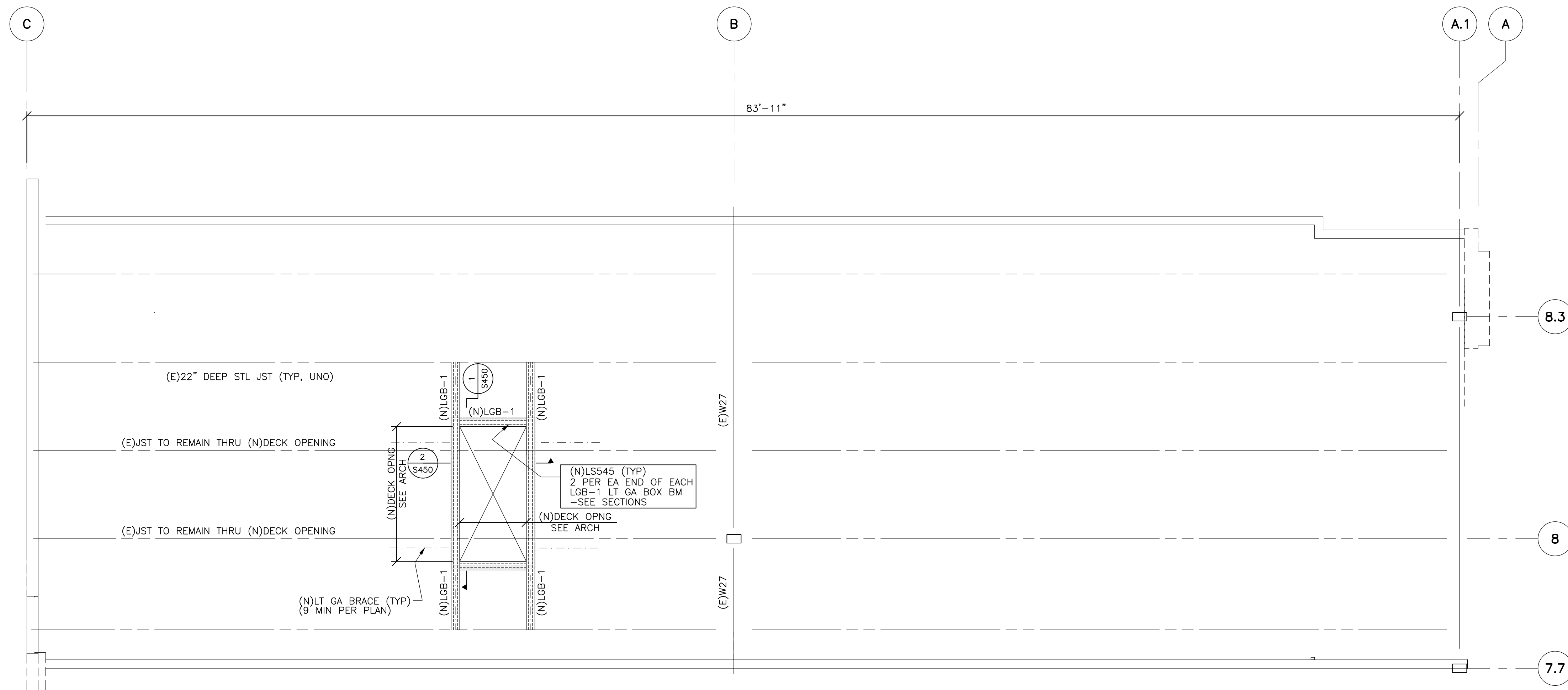
ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :
STRUCTURAL
GENERAL NOTES

SHEET NO. :

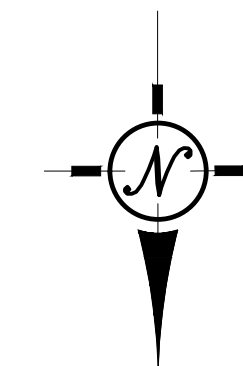
S001



**TYPICAL LIGHT GAGE BEAM
BUILT-UP CONNECTION**
NTS

ROOF FRAMING PLAN

1/4"=1'-0"



NOTES:

- SEE ARCHITECTURAL DRAWINGS FOR ALL OPENING SIZES AND LOCATIONS. GC SHALL COORDINATE WITH SKYLIGHT SUPPLIER.
- SEE SHEET S001 FOR GENERAL NOTES.
- "LGB-1" INDICATES LIGHT GAUGE BOX BEAM (2)600S162-43 STUDS + (2)600T150-43 TRACK 1 TRACK TOP & 1 TRACK BOTTOM.
- "LSS45" INDICATES CLARK-DIETRICH LSS45 w/(3) FASTENERS EACH LEG ø 0.145 POWDER ACTUATED FASTENERS OR #10 SCREWS

NOTE: FIELD VERIFY EXISTING FRAMING

ALL OR SOME OF THE EXISTING FRAMING CONDITIONS ARE ASSUMED. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AT AREAS OF NEW WORK. IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN, CONTRACTOR SHALL PROVIDE DIMENSIONS, ELEVATIONS, AND PHOTOS OF THESE CONDITIONS FOR REVIEW BY THE ENGINEER(S) PRIOR TO THE WORK BEING DONE, SHOP DRAWINGS PREPARED, OR FABRICATION.

(E) EXISTING
(N) NEW
(FV) FIELD VERIFY

NOTE:

SCALES INDICATED ARE BASED ON FULL SIZE 22"x34" DRAWING. DIMENSIONS SHALL NOT BE DETERMINED BY COMPUTER SCALING OF DRAWINGS.

NOTE:

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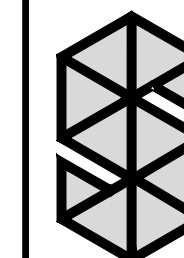
**DAVID A. LEVY
& ASSOCIATES**
- Retail Design & Development

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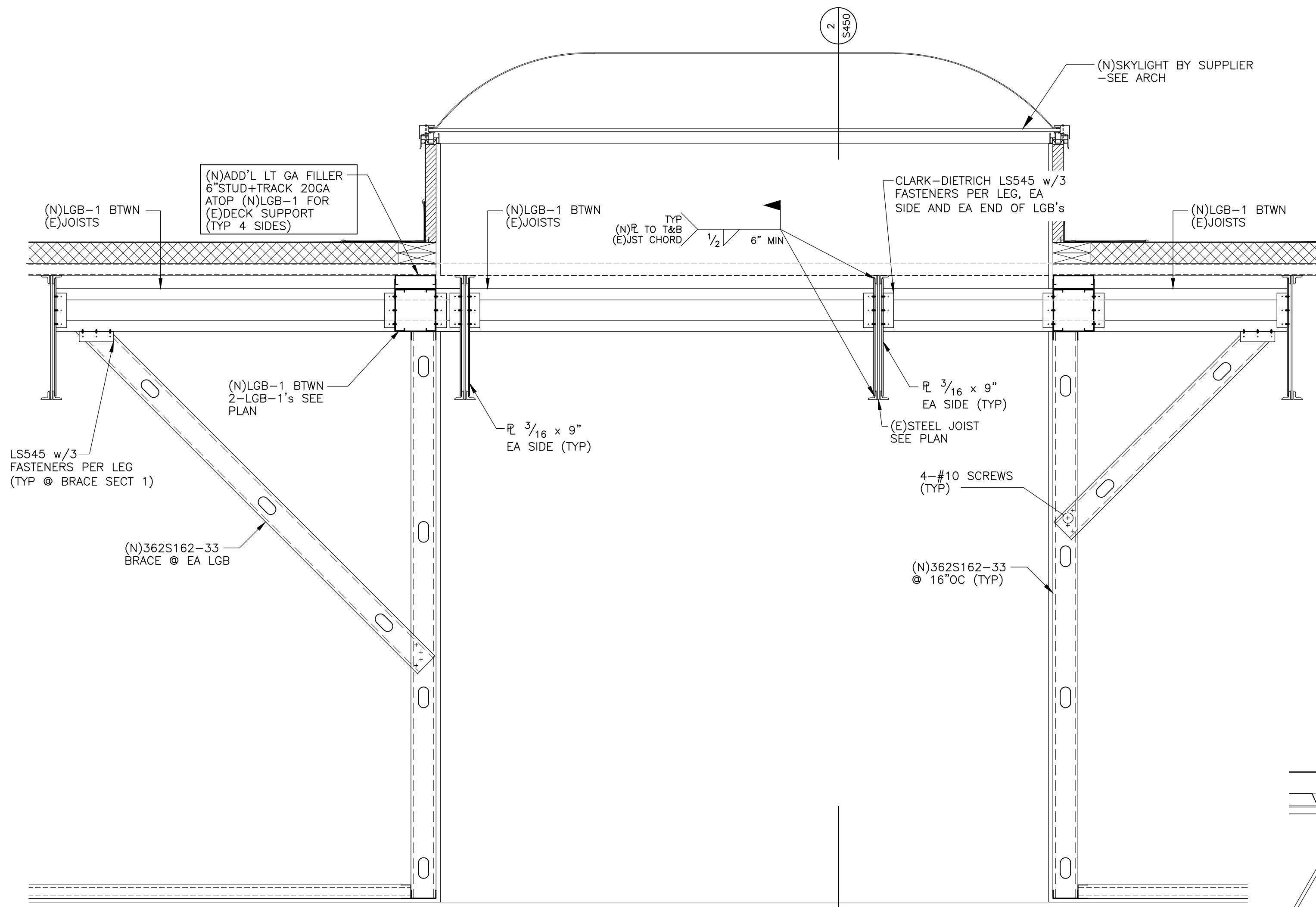
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**ROOF FRAMING
PLAN**

SHEET NO. :

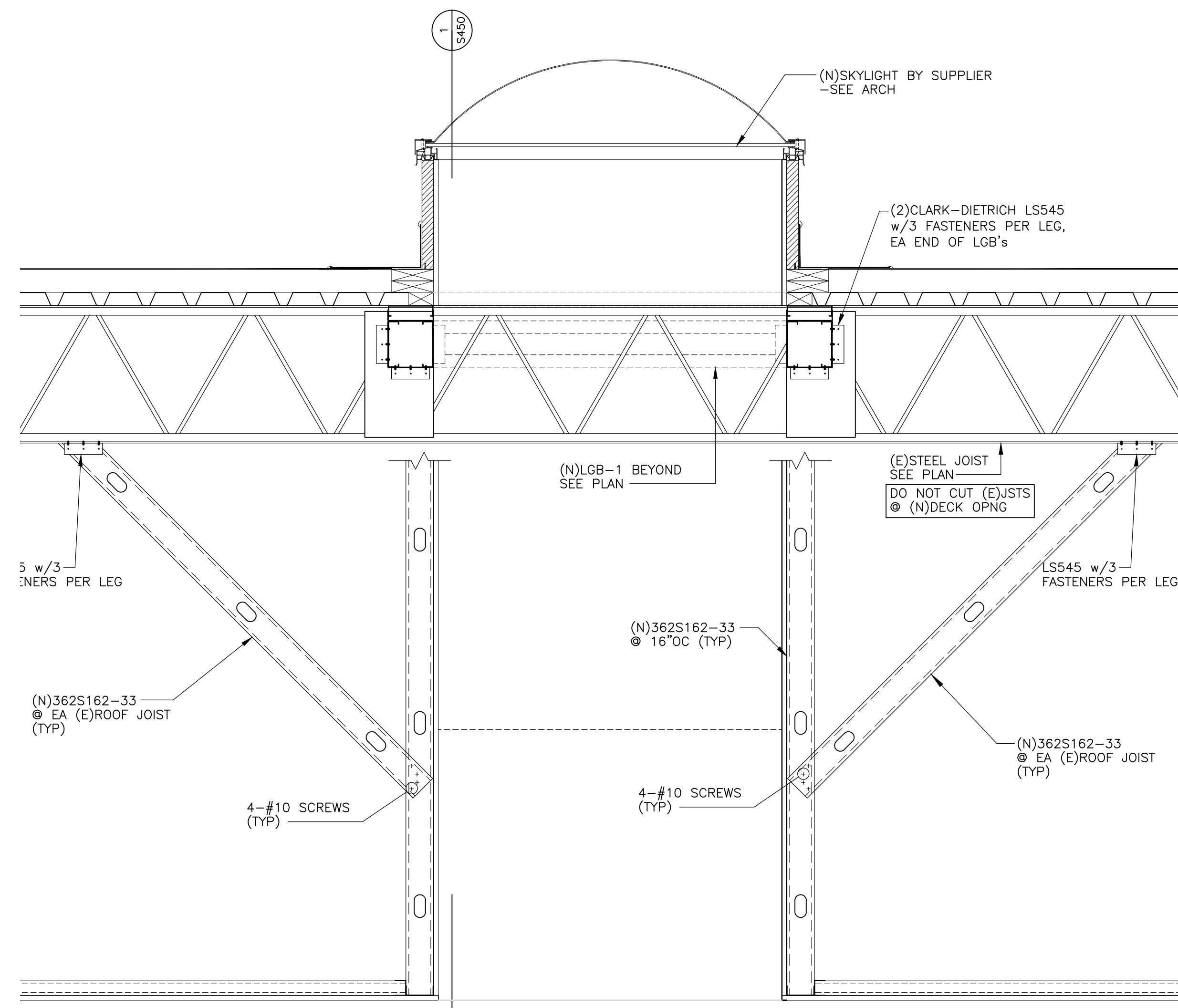
S200

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SEE PLAN NOTES ON S200 FOR "LGB-1" NOTES

1 SECTION - SKYLIGHT
S450 SCALE: 1"=1'-0"



SEE PLAN NOTES ON S200 FOR "LGB-1" NOTES

2 SECTION - SKYLIGHT
S450 SCALE: 1"=1'-0"

(E) EXISTING
(N) NEW
(FV) FIELD VERIFY

NOTE:
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NOTE:
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DAVID A. LEVY & ASSOCIATES

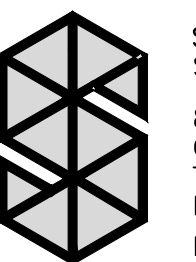
> Retail Design & Development

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for movement

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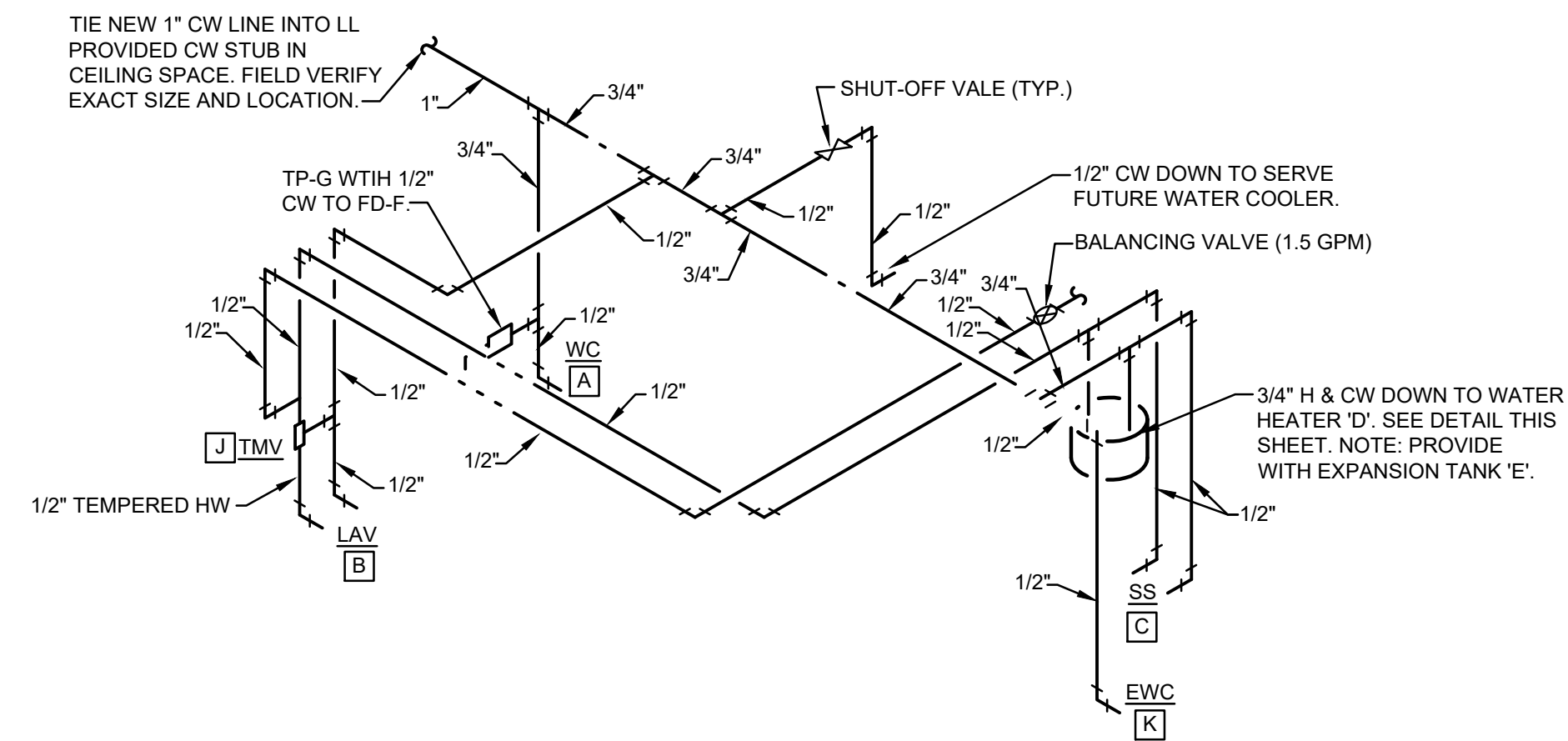
SHEET TITLE :
SKYLIGHT SECTIONS

SHEET NO. :

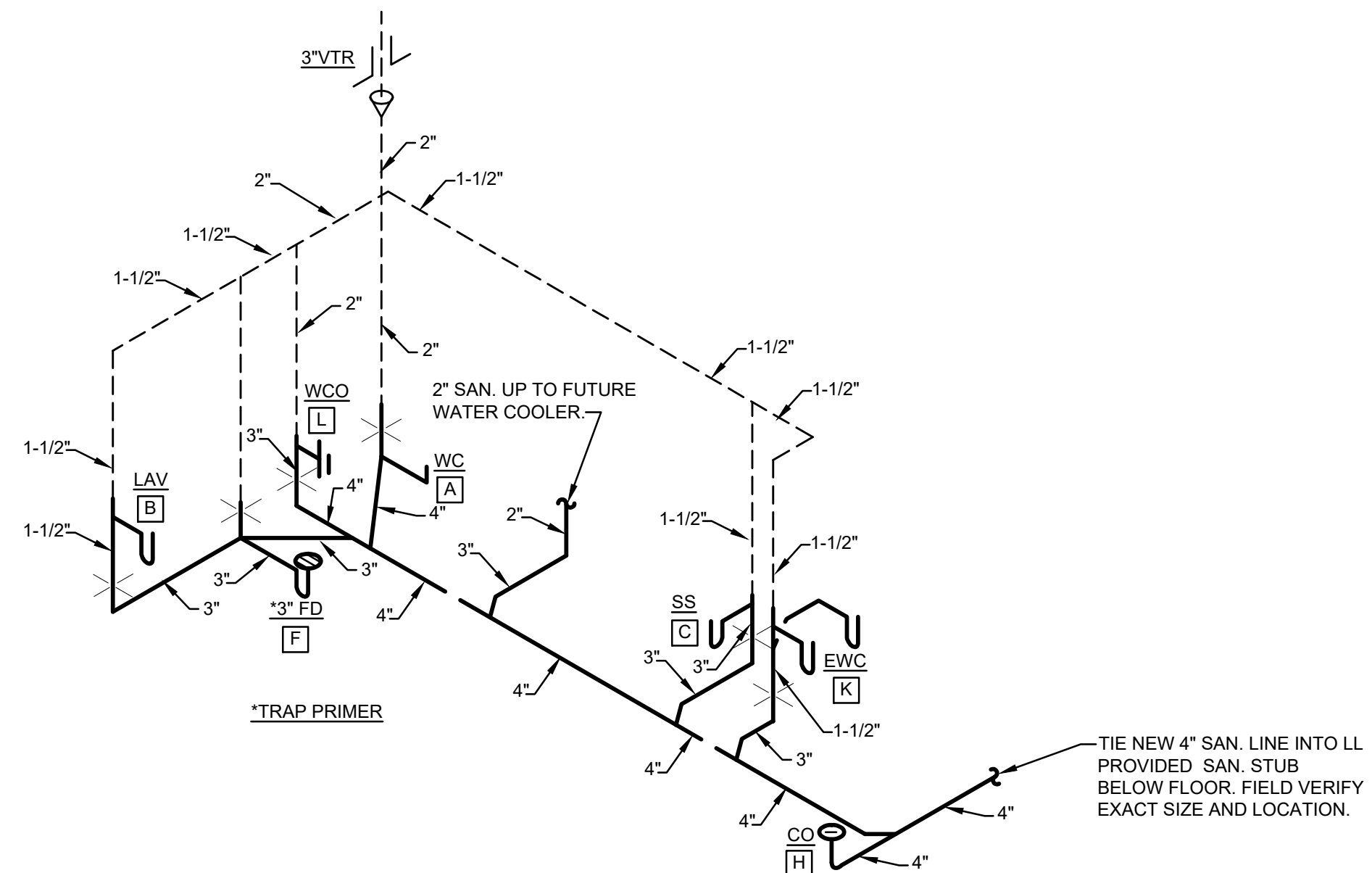
S450

GENERAL NOTES

- SPECIFICATIONS, REFER TO PLUMBING SPECIFICATIONS ON DRAWING P200 FOR FURTHER INFORMATION AND REQUIREMENTS FOR PLUMBING CONTRACTOR.
- SUSPEND ALL HORIZONTAL SERVICE PIPING SHOWN ON THIS PROJECT SUCH AS, BUT NOT LIMITED TO WATER, SANITARY WASTE/VENT, FROM UNDERSIDE OF FLOOR STRUCTURE, UNLESS OTHERWISE NOTED OR INDICATED. HOLD SUCH PIPING HIGH AS POSSIBLE. EXTEND PIPING DOWN IN WALLS, PARTITIONS, CHASES, ETCETERA TO SERVE FIXTURES AND EQUIPMENT AS SHOWN ON PLANS.
- 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.
- 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.
- 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, ETCETERA AND ALL MATERIALS NECESSARY FOR A COMPLETE SYSTEM. SUBMIT SHOP DRAWINGS PER THE SPECIFICATIONS.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- VERIFY SERVICE CONNECTION POINTS, SIZES, ELEVATIONS, AND METERING LOCATIONS FOR PROJECT WITH LOCAL UTILITIES COMPANY'S AND/OR LANDLORD FACILITY PERSONNEL. SERVICES TO INCLUDE BUT NOT LIMITED TO DOMESTIC WATER, FIRE, SANITARY SEWER, STORM SEWER, GAS, ETCETERA.
- WATER PRESSURE, PLUMBING CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE AT BUILDING ENTRY, PRIOR TO ALL LOCALLY REQUIRED DEVICES SUCH AS WATER METER, BACKFLOW PREVENTION DEVICES, ETCETERA IS LESS THAN 55 PSIG STATIC, CONTACT OWNERS REPRESENTATIVE. IF PRESSURE IS IN EXCESS OF 80 PSIG STATIC, INSTALLATION OF PRESSURE REDUCING VALVE IS REQUIRED.
- WATER HAMMER ARRESTER SHALL BE INSTALLED THROUGHOUT PLUMBING WATER SYSTEMS AS REQUIRED.
- NO PLASTIC PIPING IS PERMITTED.
- PROVIDE AND NECESSARY SAW CUTTING OF CONCRETE FLOORS, EXCAVATING AND BACKFILLING FOR THE INSTALLATION OF WORK SPECIFIED IN THIS DIVISION. AFTER THE PIPE HAS BEEN INSTALLED, TESTED AND APPROVED, THE TRENCHES SHALL BE BACKFILLED AND WELL TAMPED TO GRADE WITH APPROVED MATERIAL. PLUMBING CONTRACTOR SHALL RE-POUR THE FLOOR.
- PLUMBING CONTRACTOR TO VERIFY IN FIELD EXACT LOCATION OF PLUMBING CONNECTIONS PRIOR TO STARTING WORK.



WATER PIPING ISOMETRIC
SCALE: NONE



SANITARY WASTE ISOMETRIC
SCALE: NONE

PLUMBING FIXTURE SCHEDULE

PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL FIXTURES IN THIS SCHEDULE:

- A** WATER CLOSET: AMERICAN STANDARD #2467-100 CADET FLOWWISE RIGHT HEIGHT FLOOR MOUNTED, WHITE VITREOUS CHINA, ELONGATED BOWL, PRESSURE ASSISTED, RIM 16-1/2" AFF. AMERICAN STANDARD #5901-100 OPEN FRONT SEAT LESS COVER AND LOOSE KEY ANGLE STOP. MOUNT FLUSH LEVER OPPOSITE OF WALL (OPEN SIDE). MEETS DEFINITION FOR HET (HIGH EFFICIENCY TOILET) 1.1 GPF.
- B** LAVATORY (HANDICAP WALL HUNG): AMERICAN STANDARD "LUCERNE" #0355-012, 20-1/2"x18"-1/4, WHITE VITREOUS CHINA, OVERFLOW, FAUCET LEDGE, AND WALL HANGER. AMERICAN STANDARD MODEL 1340-225 WATER EFFICIENT (.25 GALLONS PER ACTIVATION) METERING FAUCET, EASY-PUSH (ADA) HANDELES, ADJUSTABLE FLOW CYCLE. PROVIDE GRID STRAINER DRAIN WITH TAILPIECE, CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT, WASTE ARM TO WALL WITH ESCUTCHEON, VANDAL RESISTANT AERATOR AND LOOSE KEY ANGLE STOPS. INSULATE WATER AND WASTE PIPING UNDER LAVATORY WITH TRUEBRO "LAV GUARD" #102E-Z, ROUGH IN 34" AFF TO RIM.
- C** SERVICE SINK: SHALL BE KOHLER MODEL "BANNON" MODEL K-6719, CAST IRON SERVICE SINK, WITH FIAT MODEL #830-AA SERVICE SINK FAUCET, K-6673 ADJUSTABLE TRAP STANDARD, 99-183 STEEL RIM GUARD, 3" CAST IRON DRAIN AND CHROME SUPPLIES WITH WHEEL STOPS. COLOR TO BE SELECTED BY ARCHITECT.
- D** WATER HEATER (POINT OF USE): AO SMITH #DEL-10, 10 GALLONS STORAGE, 1500 WATTS HEATING INPUT WITH 120V-10 ELECTRICAL SERVICE, ENERGY EFFICIENT, FIVE YEAR LIMITED WARRANTY, MAGNESIUM ANODE, GLASS LINED STEEL TANK, IMMERSION ELEMENTS, STEEL JACKET WITH ENAMEL FINISH, AUTOMATIC CONTROLS. PROVIDE T&P RELIEF VALVE. INSTALL PER DETAIL ON DRAWINGS AND PER MANUFACTURER'S INSTRUCTIONS.
- E** EXPANSION TANK: AMTROL #ST-5 "THERM-X-TROL", TOTAL VOLUME OF 2 GALLONS WITH A MAXIMUM ACCEPT VOLUME OF .9 GALLONS, 3/4" CONNECTION. INSTALL PER MANUFACTURER INSTRUCTION.
- F** FLOOR DRAIN: J.R. SMITH #2010 CAST IRON DRAIN WITH NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION AND MEMBRANE FLASHING CLAMP, PROVIDE OUTLET WITH P-TRAP. CLEAN AND POLISH STRAINER TOP AFTER INSTALLATION. OPTIONAL ROUND OR SQUARE STRAINER.
- G** TRAP PRIMER: PRECISION PLUMBING PRODUCT #PRIME-RITE, AUTOMATIC OPERATIONS, 1/2" INLET AND OUTLET, SERVICE UP TO FOUR FLOOR DRAINS WITH DISTRIBUTION UNIT. INSTALL IN ACCESSIBLE LOCATION WITH PRIMER BEING A MINIMUM OF 6" ABOVE FLOOD LEVEL OF FLOOR DRAIN RIM. PROVIDE ACCESS PANEL AS REQUIRED.
- H** FLOOR CLEANOUT: ADJUSTABLE CLEANOUT, JOSAM SERIES 58360
- J** THERMOSTATIC MIXING VALVE: WATTS SERIES LFMMV-M1, BRONZE BODY, STAINLESS STEEL DISC, MIN. SUPPLY PRESSURE STATIC - 30 PSIG, MIN. FLOW - 0.5 GPM, MAX. FLOW - 20 GPM, 1/2" LINE SIZE, ASSE 1070 LISTED.
- K** ELECTRIC WATER COOLER: ELKAY MODEL NO. LZSTL8WSSK FILTERED REFRIGERATED WATER COOLER COMPLETE WITH BOTTLE FILLER, BARRIER FREE WALL HUNG STAINLESS STEEL RECEPTOR, PUSH-BAR OPERATED BUBBLER, STAINLESS STEEL, 8.0 GPH OF 60 DEGREE F WATER AT 90°F AMBIENT AND 80°F ENTERING WATER, 115V, 1 PHASE. PROVIDE WITH ACCESSORY CANE APRON MODEL NO. 98324C. MOUNT AT ELEVATIONS INDICATED ON ARCHITECTURAL DRAWINGS.
- L** WALL CLEANOUT: J.R. SMITH MODEL NO. 4422 DUCO CAST IRON CAULK FERRULE WITH CAST BRONZE TAPER THREAD PLUG WITH STAINLESS STEEL COVER.

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
WATER CLOSET (TANK)	1/2"	--	4"	2"
LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"
FLOOR DRAIN	--	--	3"	1-1/2"
SERVICE SINK	1/2"	1/2"	3"	1-1/2"
ELECTRIC WATER COOLER	1/2"	-	1-1/2"	1-1/2"

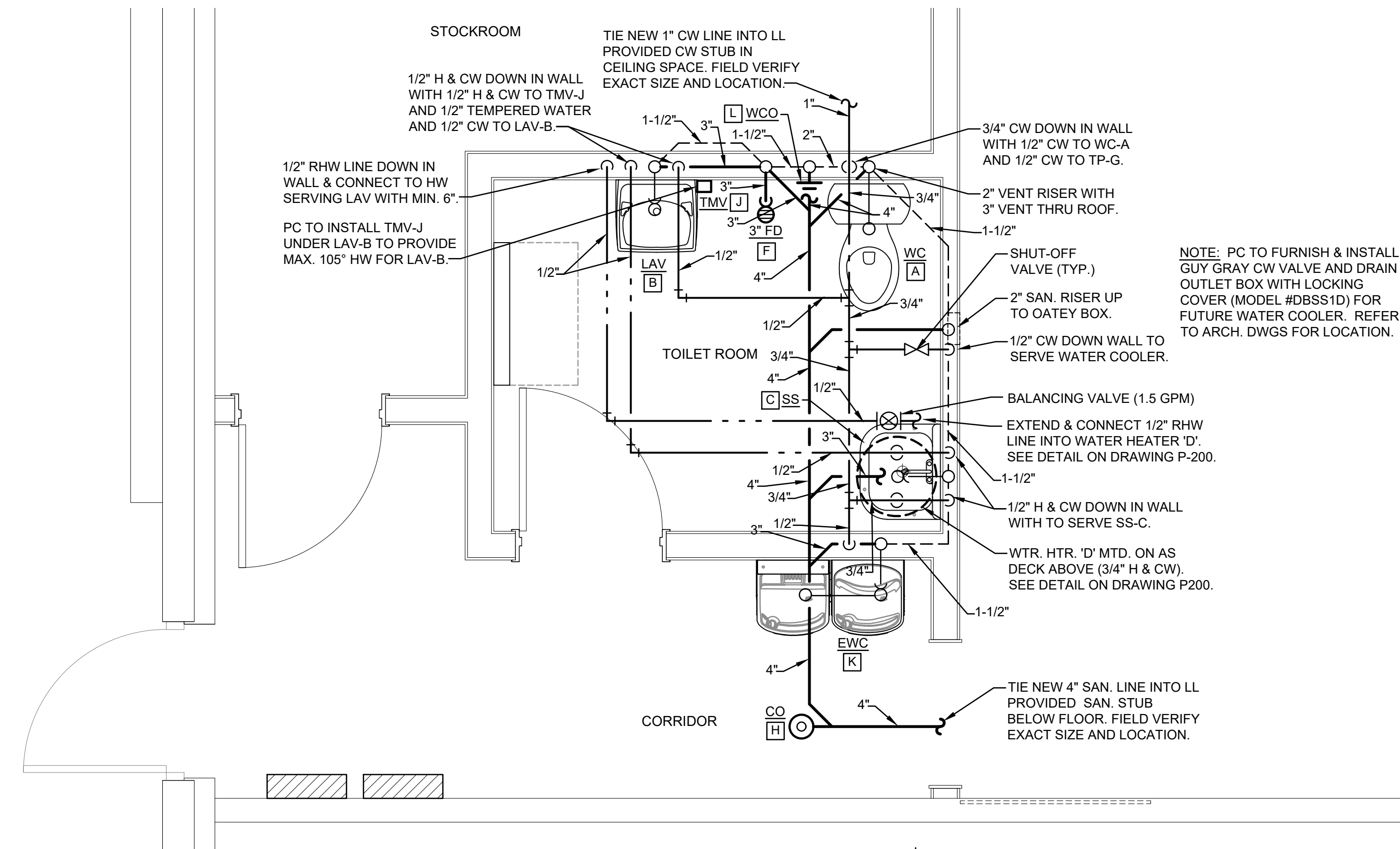
SIZES ARE MINIMUM BRANCH SIZE TO FIXTURE.

NOTE: PLUMBING CONTRACTOR SHALL COORDINATE ALL NEW AND EXISTING PLUMBING TO AVOID ELECTRICAL PANELS AND TRANSFORMER WITH ELECTRICAL CONTRACTOR PRIOR TO STARTING WORK.

NOTE: ALL GAS PIPING TO EXISTING RTU IS EXISTING TO REMAIN.

PLUMBING SYMBOLS LEGEND

---	EXISTING PIPING (SEE DRAWING)
---	COLD WATER (CW)
---	HOT WATER (HW) 140°, 120°
---	PLUMBING VENT (V) - BELOW SLAB/GRADE
---	SANITARY WASTE (SAN) - BELOW SLAB/GRADE
○	PIPE TURNING UP/DOWN
○	TEE TURNING UP/DOWN
○	SHUTOFF VALVE (BALL TYPE)
○	CHECK VALVE
○	BALANCING VALVE
○	FIXTURE IDENTIFICATION
□	PLAN NOTE
AFF/AFG	ABOVE FINISHED FLOOR/GRADE
WC	WATER CLOSET
CO	CLEANOUT
WCO	WALL CLEANOUT
LAV	LAVATORY
FD	FLOOR DRAIN
TP	TRAP PRIMER
SS	SERVICE SINK
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
TMV	THERMOSTATIC MIXING VALVE
LL	LANDLORD
PC	PLUMBING CONTRACTOR
GC	GENERAL CONTRACTOR



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

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AKRON, OHIO 44333-2434 FAX 330 / 666-8334

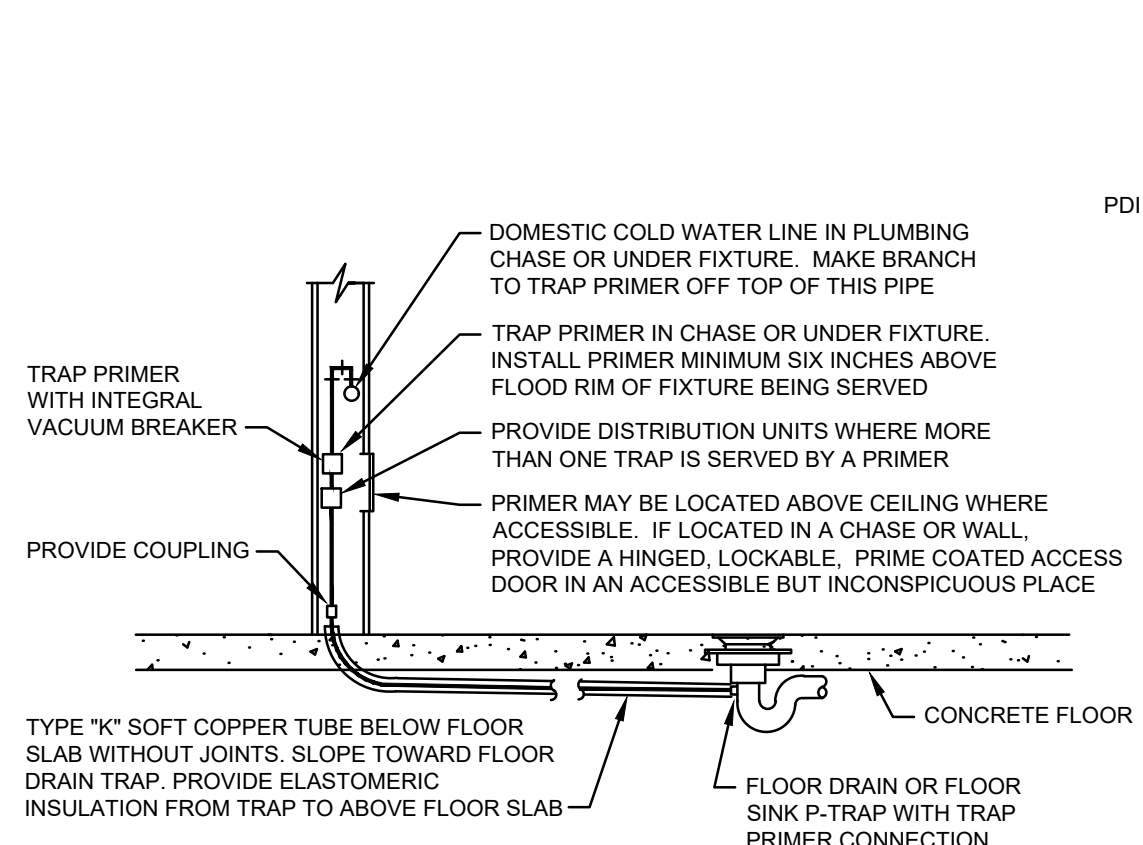
for movement

STATION TWELVE
SPACE 530
3095 SHERIDAN DR.
AMHERST, NY 14226

DRAWN BY: _____
POD _____
ISSUE / DATE:
ISSUE 1 - CHECK SET
03-14-2025
ISSUE 2 - BID-PERMIT SET
03-28-2025
ISSUE 3 - PERMIT SET
04-25-2025

SHEET TITLE:
OVERALL PLUMBING PLAN & ISOMETRICS

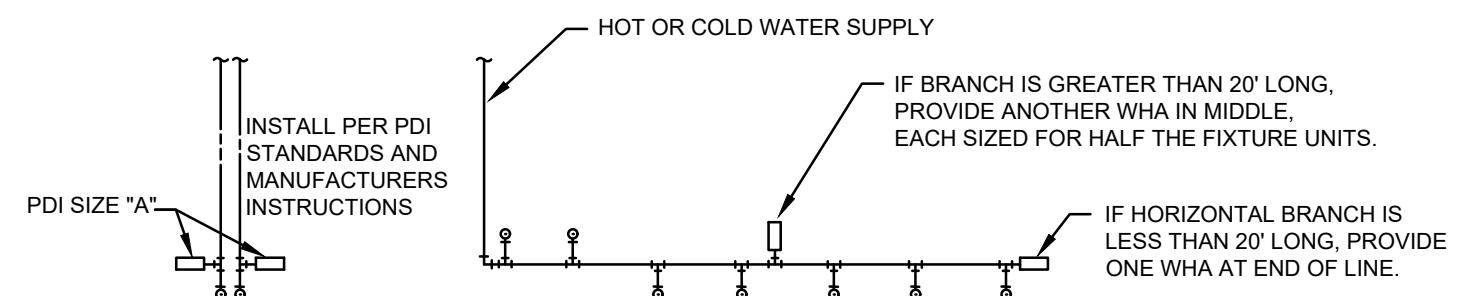
SHEET NO. :
P100



NOTE: TRAP PRIMER MAY BE LOCATED ABOVE CEILING WHERE ACCESSIBLE.

1 TRAP PRIMER

P200 SCALE: NONE

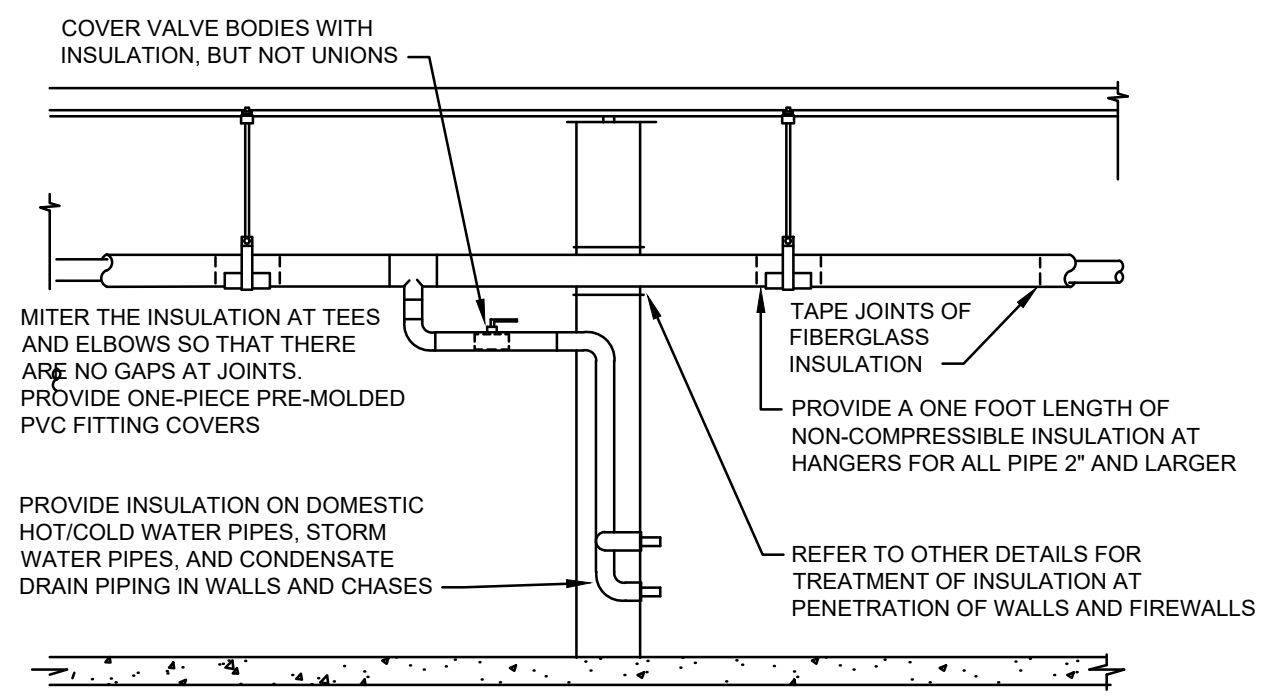


SINGLE FIXTURE			MULTIPLE FIXTURES		
PDI SIZE	PIPE SIZE	FIXTURE UNIT LOAD	FIXTURE UNIT TABULATION		
			FIXTURE	COLD	HOT
A	1/2"	1-11	WATER CLOSET (TANK)	5.0	--
B	3/4"	12-32	LAVATORY	1.5	1.5
C	1"	33-60	SERVICE SINK	2.25	2.25
D	1 1/4"	61-113	ELECTRIC WATER COOLER	0.25	0.25
E	1 1/2"	114-154			

PC TO PROVIDE WATER HAMMER ARRESTERS BY SIOUX CHIEF, PRECISION PLUMBING PRODUCTS, WATTS OR APPROVED EQUIVALENT WITH PISTON AND O-RING CONSTRUCTION, HAVING PDI #WH-201, ASSE #1010 AND ANSI #A112.26.1M CERTIFICATION. INSTALL IN HORIZONTAL OR VERTICAL POSITION, BUT NEVER UPSIDE DOWN. INSTALL IN LINE WITH WATER FLOW DIRECTION IF POSSIBLE. SIZE THE UNITS AS SHOWN ON THE DRAWINGS AND/OR PER THE TABLES SHOWN ABOVE.

2 WATER HAMMER ARRESTERS

P200 SCALE: NONE

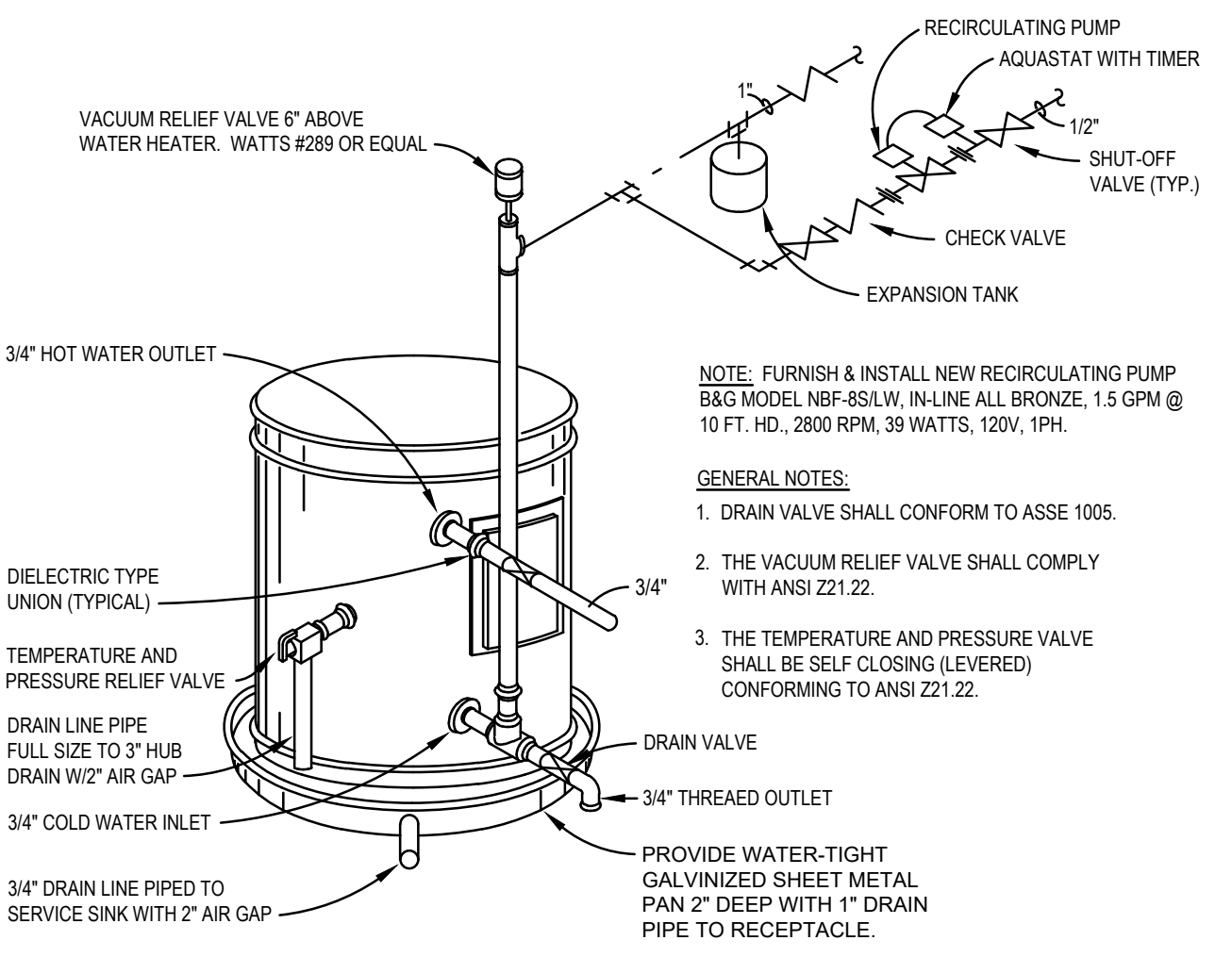


3 THERMOSTATIC TEMPERING VALVE DETAIL

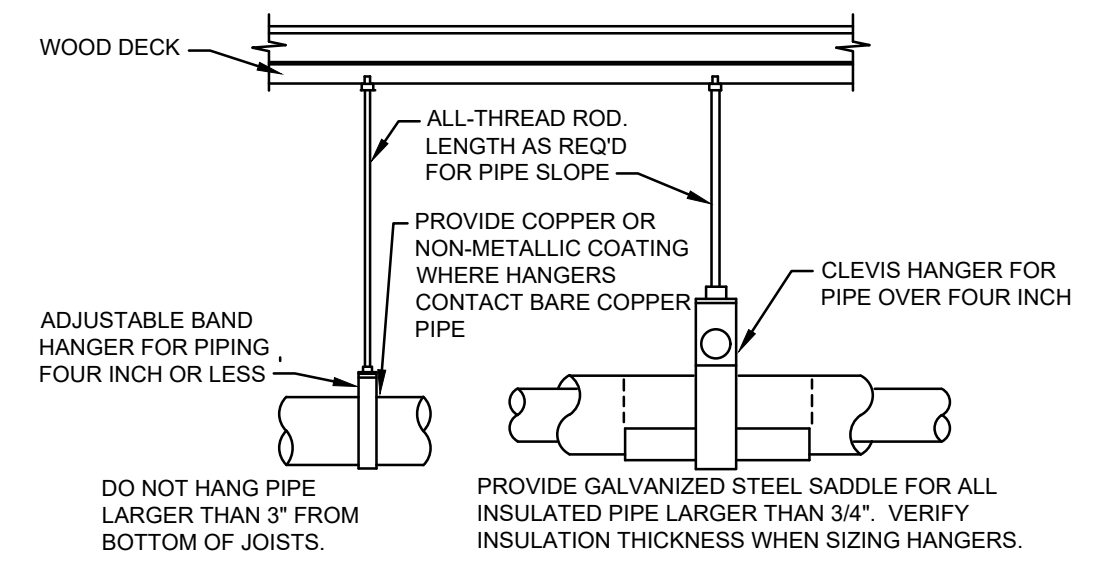
P200 SCALE: NONE

4 PIPE INSULATION

P200 SCALE: NONE



NOTE: PIPING ARRANGEMENT SHOWN IS SCHEMATIC. ADJUST TO SUIT FIELD CONDITIONS. REFER TO FLOOR PLAN FOR PIPES SIZES. SET WATER HEATER THERMOSTAT AT 120° FAHRENHEIT. PROVIDE SEISMIC STRAP OR BRACING AND FLEXIBLE CONNECTORS TO WATER CONNECTIONS IF/AS REQUIRED BY LOCAL AUTHORITIES.



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", 3"=11", 2-1/2"=10", 2"=9", 1-1/2"=8", 1-1/4"=7", 1"=6", 3/4"=6", 1/2"=5". CAST IRON: 10" AND ONE NEAR ALL JOINTS. STEEL: 4"=14", 3"=12", 2-1/2"=11", 2"=10", 1-1/2"=9", 1"=7", 3/4"=6", 1/2"=5". 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.

5 PIPE HANGERS

P200 SCALE: NONE

6 ELECTRIC WATER HEATER

P200 SCALE: NONE

PLUMBING SPECIFICATIONS

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. 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 INSULATING DIALECTIC 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, AIR, SUPPLIES, WASTE OUTLET, TRAPS, ETCETERAS AT ALL PLUMBING TYPE FIXTURES OR EQUIPMENT FURNISHED BY OWNER, GENERAL CONTRACTOR, ETCETERA. INCLUDED ARE STOP VALVES, ESCUTCHEONS, AND CHROME PLATED BRASS TUBING WITH COMPRESSION FITTINGS.

SEWER AND WASTE PIPING: PROVIDE ALL DRAINS AND SEWERS WITHIN THE LEASED SPACE WITH CONNECTION TO THE LANDLORD'S EXISTING DRAINAGE SYSTEMS ON-SITE. SANITARY DRAINAGE PIPING ABOVE FLOOR SHALL BE HUBLESS CAST-IRON PIPE, FITTINGS AND CONNECTIONS. SANITARY DRAINAGE PIPING BELOW GRADE SHALL BE SERVICE-WEIGHT HUB AND SPIGOT TYPE CAST-IRON WITH NEOPRENE GASKET JOINTS. ALL DRAINAGE PIPING SHALL BE UNIFORMLY PITCHED, 1/4" PER FOOT UNLESS OTHERWISE REQUIRED BY EXISTING CONDITIONS, OR INDICATED ON THE DRAWINGS.

VENTS: PROVIDE A COMPLETE SYSTEM OF STANDARD WEIGHT CAST IRON NO-HUB VENT RISERS.

CONDENSATE AND INDIRECT DRAIN PIPING: INTERIOR CONDENSATE DRAIN PIPING SHALL BE TYPE M COPPER TUBING.

CLEANOUTS: PROVIDE CLEANOUTS AT THE END OF EACH HORIZONTAL RUN, AND AT THE BASE OF ALL VERTICAL 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.

WATER DISTRIBUTION PIPING: LAYOUT WATER PIPING SO THAT THE ENTIRE SYSTEM CAN BE DRAINED. ABOVE GRADE HOT AND COLD WATER PIPING SHALL BE 1/2" MINIMUM TYPE L COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SWEAT CONNECTIONS. 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 TIN-ANTIMONY SOLDER, 95/5 FOR ALL SWEAT FITTINGS OF COPPER PIPING.

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 VALUE) 0.25 BTU * IN. / HR. * FT² * °F AT 75°F MEAN TEMPERATURE. PROVIDE INSULATION THICKNESS AS INDICATED.

DOMESTIC COLD WATER PIPING 1" THICKNESS
CONDENSATE PIPING: 1" THICKNESS

DOMESTIC HOT WATER PIPING 2" AND SMALLER: 1" THICKNESS

PIPE INSULATION: FLEXIBLE, ONE PIECE, EXPANDED CLOSED-CELL ELASTOMERIC PIPE INSULATION WITH REQUIREMENTS COMPLYING WITH ASTM C 518, SELF-SEALING, WITH A MAXIMUM VAPOR TRANSMISSION RATING OF 0.20 PERM WHEN TESTED ACCORDING TO ASTM E 96. THERMAL CONDUCTIVITY (K VALUE) SHALL NOT EXCEED 0.27 BTU * IN. / HR. * FT² * °F AT 75°F MEAN TEMPERATURE, AND INSULATION AND JACKET SHALL BE RATED FOR OPERATING TEMPERATURES FROM 40°F TO 180°F. PROVIDE INSULATION THICKNESS AS INDICATED.

DOMESTIC COLD WATER PIPING: 1" THICKNESS
CONDENSATE PIPING: 1" THICKNESS

DOMESTIC HOT WATER PIPING 2" AND SMALLER: 1" THICKNESS

SHUTOFF VALVES, WITH UNIONS SHALL BE PROVIDED FOR SERVICE TO EACH PLUMBING FIXTURE, FOOD SERVICE EQUIPMENT ITEM OR OTHER EQUIPMENT ITEM, TO FACILITATE ISOLATION FOR REPAIR OR REPLACEMENT. VALVES SHALL BE EQUAL TO CRANE #5302-9322 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.

ACCESS PANELS SHALL BE PROVIDED WHERE CONCEALED CONTROL DEVICES, VALVES, ETCETERA 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 DEFICIENCIES REPLACE OR REPAIR AS REQUIRED, AND REPEAT TEST UNTIL STANDARDS ARE ACHIEVED.

PLUMBING CONTRACTOR SHALL ENSURE NO LEAD REQUIREMENT TO COMPLY WITH POTABLE WATER SYSTEM MUST BE LEAD FREE

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ISSUE 3 - PERMIT SET	04-25-2025

PLUMBING DETAILS & SPECIFICATIONS

SHEET NO. :
P200

GENERAL NOTES

- 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.
- 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 DUCT RISES AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE STARTING WORK.
- DRAWINGS FOR HVAC 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 DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- COORDINATE ALL NEW DUCT ROUTING AND EQUIPMENT LOCATIONS WITH EXISTING BUILDING CONDITIONS
- THE DUCTWORK SHALL BE SUPPORTED BY STRAP HANGERS AROUND DUCTWORK. DO NOT SUPPORT DUCTWORK FROM METAL DECK.
- THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO STARTING WORK AND ADJUST DUCTWORK, ETC... TO CORRESPOND TO THE EXISTING CONDITION REQUIREMENTS.
- MECHANICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR MOUNTING FRAMES.
- MECHANICAL CONTRACTOR TO MAINTAIN 15 FEET BETWEEN THE FRESH AIR INTAKE & ALL EXHAUST FANS, PLUMBING VENTS, ETC...
- TENANT SHALL FURNISH TWO (2) COPIES OF A CERTIFIED INDEPENDENT TEST & BALANCE REPORT BY A LICENSED AABC OR NEBB CONTRACTOR TO LANDLORD.
- HVAC CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS IN FIELD BEFORE CONSTRUCTION.
- PROVIDE ALL REQUIRED OFFSETS FOR DUCTWORK.
- PERFORM INSTALLATIONS IN ACCORDANCE TO LANDLORDS SPECIFICATIONS.
- ALL ROOFING WORK IS TO BE PERFORMED BY LANDLORD'S ROOFING CONTRACTOR AT TENANTS EXPENSE. SEE MALL OPERATION MANAGER FOR DETAILS.
- LANDLORD'S MECHANICAL CONTRACTOR TO STENCIL (MIN. 3" HIGH) TENANT NAME & SPACE NUMBER ON NEW ROOF MOUNTED UNITS.
- MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR PANEL LOCATIONS. NO DUCTWORK WILL BE PERMITTED TO RUN ABOVE ELECTRICAL PANELS, ETC...

DIFFUSER, REGISTER, LOUVER SCHEDULE					
MARK	A	B	C	D	E
MANUFACTURER	TITUS	TITUS	TITUS	TITUS	TITUS
MODEL	OMNI-AA	OMNI-AA	350FL	300FL	300FL
TYPE	CEILING DIFFUSER	CEILING DIFFUSER	RETURN GRILLE	DOUBLE DEFLECTION SUPPLY REGISTER	DOUBLE DEFLECTION SUPPLY REGISTER
NECK SIZE (L"xW")	VARIES	VARIES	42"x20"	8"x4"	10"x6"
FACE SIZE (L"xW")	24"x24"	12"x12"	43-3/4"x21-3/4"	9-3/4"x5-3/4"	11-3/4"x7-3/4"
FRAME TYPE	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED	SURFACE MOUNTED
FINISH	WHITE	WHITE	WHITE	WHITE	WHITE
NOISE CRITERIA LEVEL	<30	<30	<30	<30	<30
DAMPER	OPPOSED BLADE	OPPOSED BLADE	NONE	OPPOSED BLADE	OPPOSED BLADE
NOTES	2, 3	2, 3	1, 3	5	5

NOTES:
 1. ALUMINUM CONSTRUCTION RETURN/EXHAUST/TRANSFER GRILLES WITH BLADES SET AT 35 DEGREES FACING CEILING OR BACK WALL.
 2. PROVIDE WITH RAPID MOUNT FRAME SUITABLE FOR INSTALLATION IN DRYWALL TYPE CEILINGS, WHERE APPLICABLE.
 3. CEILING MOUNTED
 4. DUCT MOUNTED (TO BE FLUSH MOUNTED WITH AIR EXTRACTORS INSTALLED)WALL MOUNTED
 5. WALL MOUNTED

ACCEPTABLE ALTERNATE MANUFACTURERS: PRICE, KRUEGER

VENTILATION SCHEDULE						
HVAC UNIT	AREA SERVED	OCCUPANT LOAD	REQUIRED VENTILATION	OA REQUIRED (CFM)	OA SUPPLIED (CFM)	REMARKS
RTU-1	SALES AND FITTING ROOMS	1714 SF (25 PEOPLE)	((7.5 CFM PER PERSON) + (.12 CFM PER SF)) x 1.25	492	543	
RTU-1	STOCKROOM	204 SF (1 PERSON)	((5 CFM PER PERSON) + (.06 CFM PER SF)) x 1.25	22	32	
RTU-1	CORRIDOR	93 SF	(.06 CFM PER SF) x 1.25	7	17	
EF-1	TOILET ROOM	1 WC	70 CFM PER WC	70 CFM EXHAUST	100 CFM EXHAUST	
TOTAL				521	595	

MECHANICAL PLAN KEY NOTES

- EXISTING 8.5 TON ROOFTOP UNIT TO REMAIN AND BE REUSED.
- ADD NEW FULL SIZE RETURN AIR DUCT TO EXISTING RETURN AIR DUCT DROP FROM EXISTING RTU-1.
- CONNECT NEW 26"x16" SUPPLY AIR DUCT INTO EXISTING SUPPLY AIR DUCT DROP FROM EXISTING RTU-1. TRANSITION AS NECESSARY.
- DUCT SMOKE DETECTOR IN RETURN AIR DUCT PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR AND INSTALL BY MECHANICAL CONTRACTOR.
- MECHANICAL CONTRACTOR TO MOUNT LANDLORD PROVIDED REMOTE SENSOR CONTROL FOR RTU-1 AT THIS LOCATION. VERIFY EXACT LOCATION WITH FREE PEOPLE FIELD REPRESENTATIVE FOR CONFLICT WITH FIXTURES.
- MECHANICAL CONTRACTOR TO MOUNT LANDLORD PROVIDED THERMOSTAT FOR RTU-1 AT THIS LOCATION. MOUNT AT 48" ABOVE FINISH FLOOR.
- NEW CEILING MOUNTED EXHAUST FAN (EF-1) (100 CFM).
- 1" UNDERCUT DOOR BY GENERAL CONTRACTOR.
- EXTEND AND CONNECT NEW 6"Ø EXHAUST DUCT UP THRU ROOF IN PREFAB ROOF CURB TO VENT CAP.

DUCTWORK SCHEDULE

DUCT SYSTEM	SMACNA PRESSURE CLASS	SMACNA SEAL CLASS	DUCT MATERIAL
SUPPLY AIR DUCTWORK	2"	B	GALVANIZED STEEL
RETURN AIR DUCTWORK	1"	B	GALVANIZED STEEL
EXHAUST AIR DUCTWORK	1"	A (SEAL AIRTIGHT)	GALVANIZED STEEL

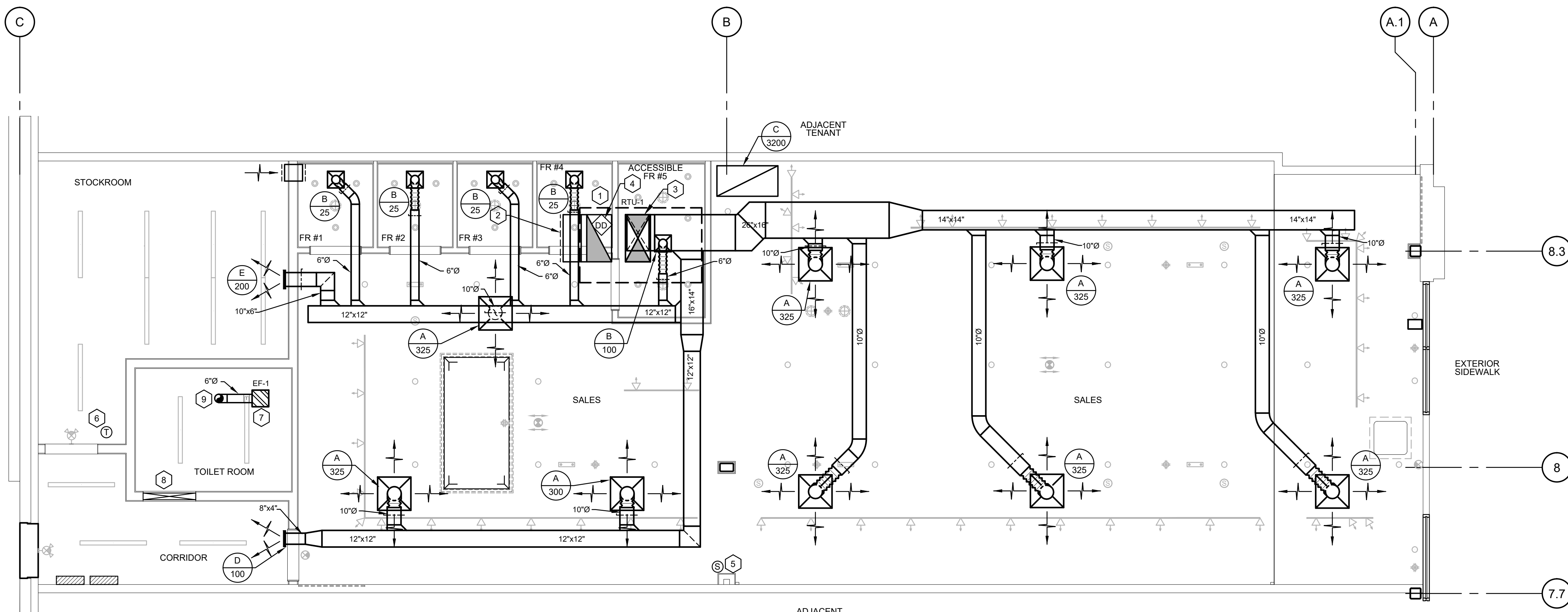
NOTE: ALL DUCTWORK SIZES ARE AIRWAY DIMENSIONS

THERMOSTAT/ SENSOR NOTES

- ALL THERMOSTAT/SENSORS TO BE LOCATED 4'-0" ABOVE FINISHED FLOORS.
- WHERE THERMOSTATS/SENSORS ARE LOCATED ON INTERIOR COLUMNS THEY SHOULD BE LOCATED AT REAR OF COLUMN WITH RELATION TO FRONT OF STORE.
- THERMOSTAT/SENSOR SHALL NOT BE LOCATED ON FEATURES WALLS OR VIGNETTES.

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
OA	OUTSIDE AIR
GC	GENERAL CONTRACTOR
MC	MECHANICAL CONTRACTOR
PC	PLUMBING CONTRACTOR
EC	ELECTRICAL CONTRACTOR
LL	LANDLORD
AFF	ABOVE FINISH FLOOR
RTU	ROOFTOP UNIT
☒	SUPPLY AIR DIFFUSERS
☐	RETURN AIR REGISTER
EF	EXHAUST FAN
— — —	MANUAL VOLUME DAMPER
Ⓣ Ⓢ	THERMOSTAT WITH REMOTE SENSOR
Ⓢ	SCHEDULE NUMBER
Ⓢ	CFM
DD	DUCT MOUNTED SMOKE DETECTOR BY EC
— — —	UNDERCUT DOOR BY GC



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

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for movement

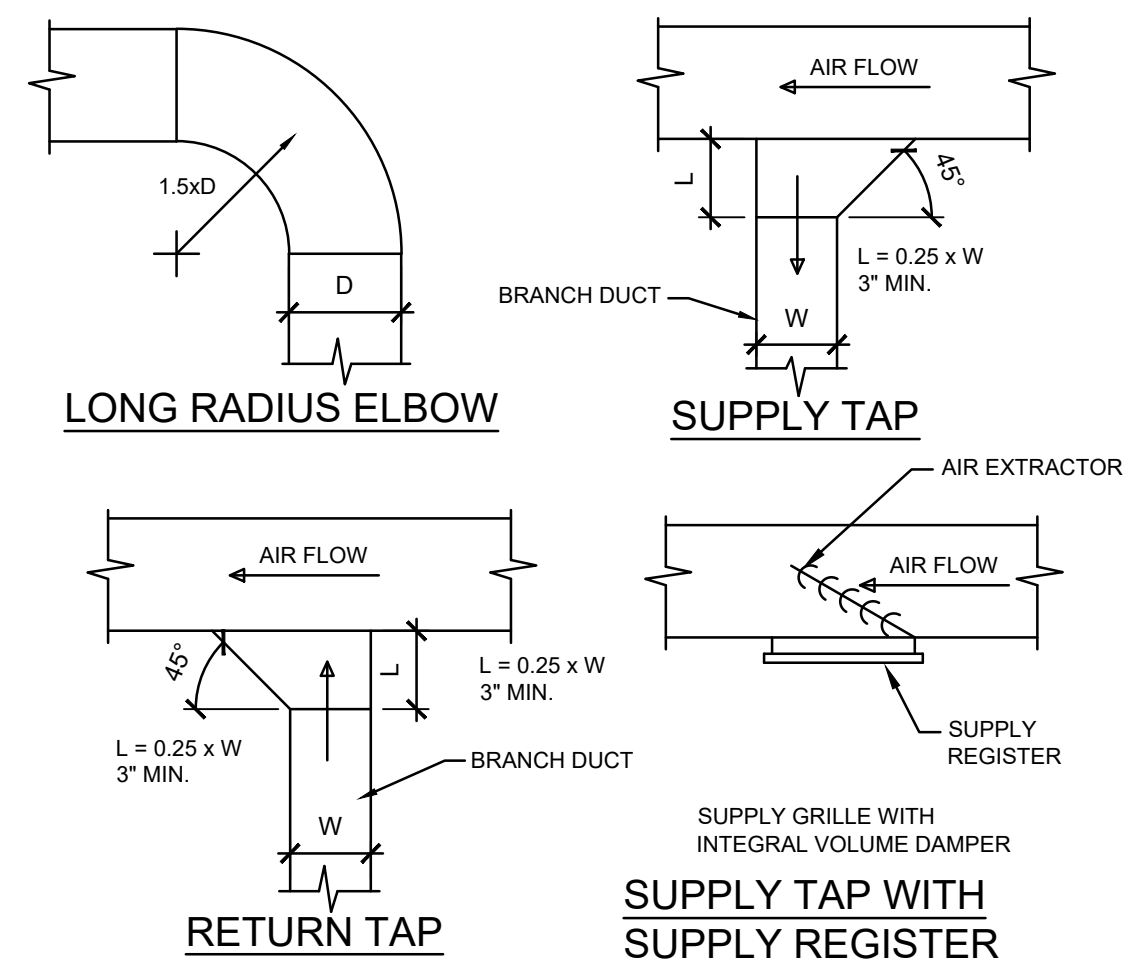
STATION TWELVE
 SPACE 530
 3095 SHERIDAN DR.
 AMHERST, NY 14226

DRAWN BY:
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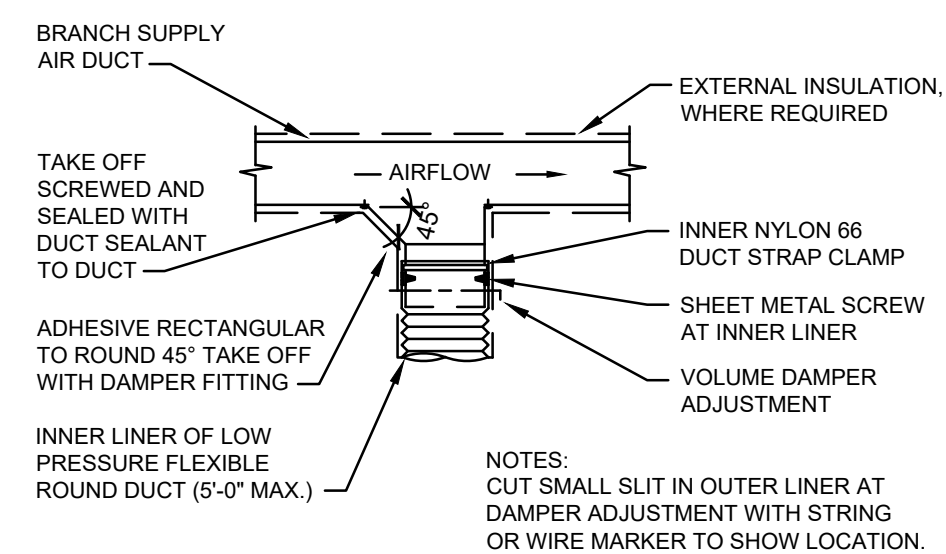
ISSUE / DATE:
 ISSUE 1 - CHECK SET
 03-14-2025
 ISSUE 2 - BID-PERMIT SET
 03-28-2025
 ISSUE 3 - PERMIT SET
 04-25-2025

SHEET TITLE:
MECHANICAL PLAN

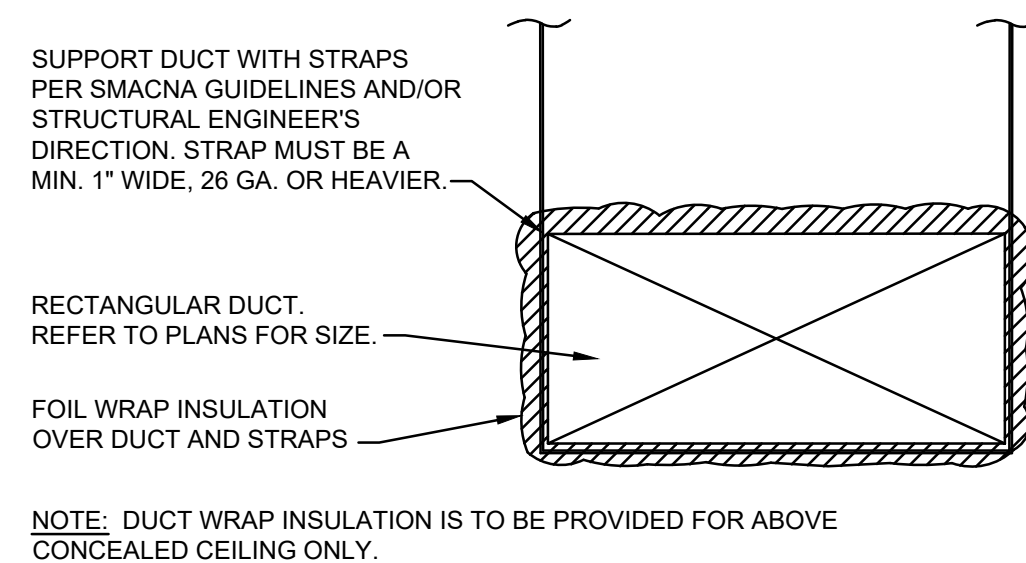
SHEET NO. :
M100



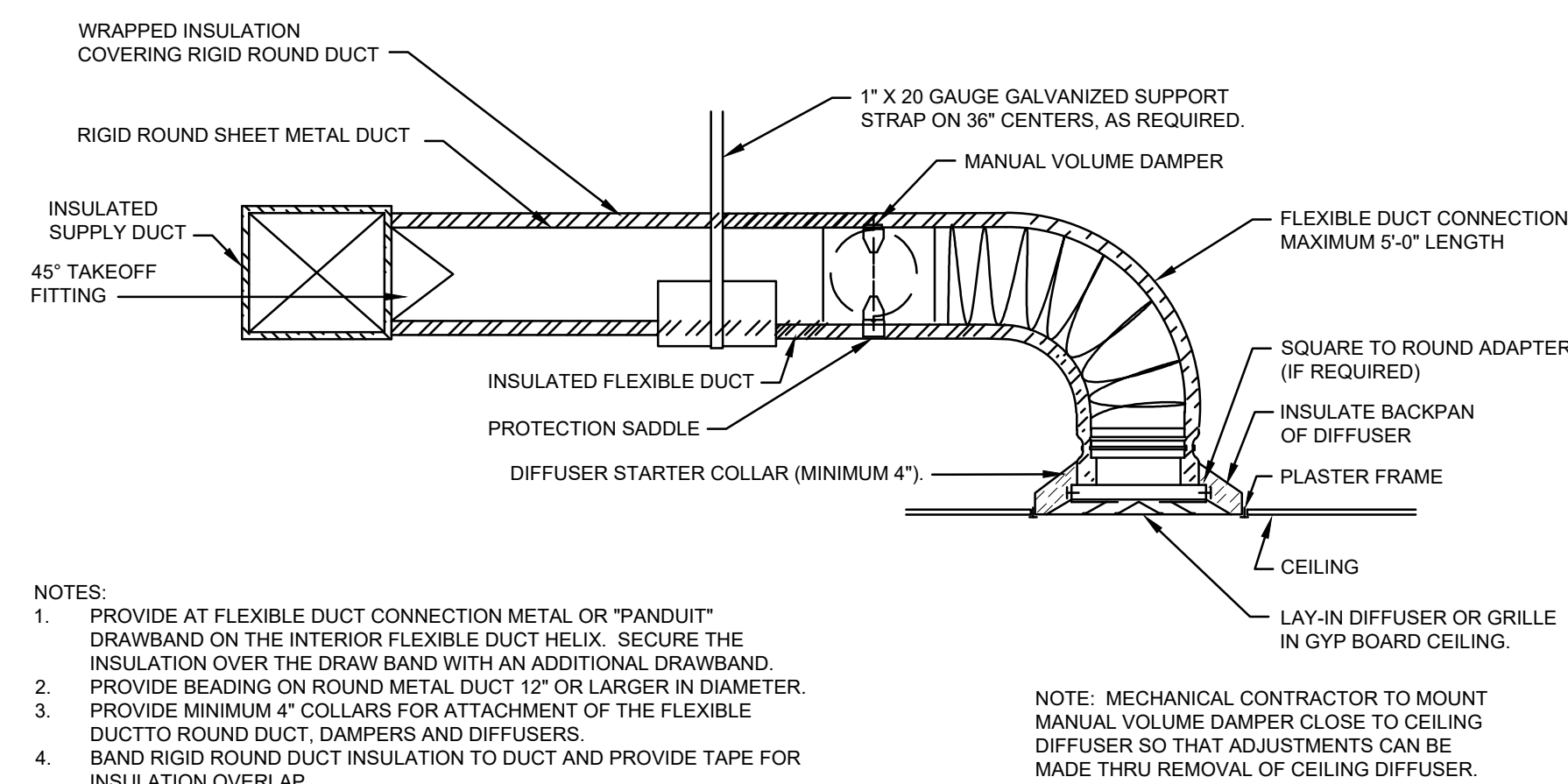
1 DUCTWORK DETAILS
M200 SCALE: NONE



2 SUPPLY AIR FLEX DUCT DETAIL
M200 SCALE: NONE



3 RECTANGULAR DUCT SUPPORT DETAIL - CONCEALED
M200 SCALE: NONE



4 DIFFUSER CONNECTION DETAIL- FLEX DUCT
M200 SCALE: NONE

EXISTING ROOFTOP UNIT SCHEDULE (FOR REFERENCE ONLY)

MARK (RTU - #)	1
MANUFACTURER	TRANE
MODEL	YHK1024
NOMINAL TONS	8.5
AIR FLOW (CFM)	3400
OA FLOW (CFM)	595
AMBIENT OAT (*F)	95°F
EXT. S.P. (IN W.C.)	.80
EER	12.1
DX COOLING COIL	
EAT (*FDB/WB)	80/67
TOTAL (MBH)	112.7
SENSIBLE (MBH)	85.0
GAS HEATING	
INPUT (MBH)	200 / 140
OUTPUT (MBH)	162 / 113.4
AFUE%	81
ELECTRICAL	
MOTOR BHP	3.0
VOLTS/Ø/HZ	480/3/60
MCA	30
MOCP	40
APPROX. WEIGHT (LBS.)	1000

BASE UNIT OPTIONS / ACCESSORIES

- 1) R- REFRIGERANT R454B
- 2) 5 YEAR WARRANTY ON COMPRESSORS & 10 YEAR ON HEAT EXCHANGERS
- 3) ACCESS DOORS
- 4) MULTI-SPEED FAN MOTOR
- 5) PHASE MONITOR, PHASE LOSE PROTECTION
PHASE REVERSAL PROTECTION, PHASE BALANCE PROTECTION
- 6) FAULT DETECTION AND DIAGNOSTICS
- 7) CO2 SENSOR (WIRING ONLY)
- 8) ECONOMIZER WITH ULTRA LOW LEAKAGE DAMPERS
- 9) ENTHALPY CONTROL & BAROMETRIC RELIEF
- 10) HAIL GUARDS
- 11) CONDENSATE PAN OVERFLOW SWITCH
- 12) 2" THICK PLEATED FILTERS (2-SETS) PROVIDE MERV-8 FILTERS DURING CONSTRUCTION, REPLACE WITH MERV-13 PRIOR TO TURN OVER.
- 13) DISCONNECT (BY ELECTRICAL CONTRACTOR)

EXHAUST FAN SCHEDULE

MARK (EF-#)	1
MANUFACTURER	GREENHECK
MODEL	SP-B150
TYPE	CEILING MOUNTED EXHAUST FAN
DRIVE TYPE	DIRECT
PERFORMANCE	
AIR FLOW (CFM)	100
EXT. STATIC (IN W.C.)	0.375
FAN SPEED (RPM)	756
ELECTRICAL	
VOLTS/Ø/HZ	115/1/60
FAN MOTOR HP (WATTS)	128 WATTS
ACCESSORIES	BD, DS
APPROX. WEIGHT (LBS.)	15
SERVES	RESTROOM
NOTES	SEE BELOW

ACCESSORIES:
BD - GRAVITY BACKDRAFT DAMPER, DS - DISCONNECT SWITCH

- NOTES:
1. FAN SHALL BE CONTROLLED FROM LIGHT SWITCH AND WIRED BY ELECTRICAL CONTRACTOR.
 2. UL/cUL 705 LISTED
 3. FAN SHALL BE FURNISHED AND INSTALLED WITH INTEGRAL (ON UNIT) SPEED CONTROLLERS FOR BALANCING PURPOSES.
 4. ALUMINUM WHITE CEILING GRILLE.
 5. HANGING VIBRATION ISOLATOR KIT.
 6. VARI-GREEN EC MOTOR WITH DIAL FOR BALANCING

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SHEET TITLE :

**MECHANICAL
DETAILS AND
SCHEDULES**

SHEET NO. :

M200

MECHANICAL NOTES AND SPECIFICATIONS

1. GENERAL NOTES:

IF ANY DISCREPANCY EXISTS BETWEEN THESE DOCUMENTS, MECHANICAL CONTRACTOR MUST REQUEST IN WRITING, CLARIFICATION FROM FREE PEOPLE MOVEMENT, ARCHITECT AND ENGINEER. CONTRACTOR SHALL OBTAIN COPY OF MECHANICAL SPECIFICATION BOOK FOR ADDITIONAL INFORMATION.

1. BY SUBMITTING A QUOTATION OR PROPOSAL, THE MECHANICAL CONTRACTOR EXPRESSLY STATES AND WARRANTS THAT: ALL DRAWINGS AND SPECIFICATIONS HAVE BEEN THOROUGHLY REVIEWED, CONTRACTOR HAS BECOME FAMILIARIZED WITH JOB SITE CONDITIONS AND IS TOTALLY QUALIFIED TO PERFORM ALL OF THE WORK REQUIRED.

2. BEFORE SUBMITTING A FINAL PROPOSAL, THE CONTRACTOR SHALL EXAMINE THE SITE OF THE PROPOSED WORK TO DETERMINE THE EXISTING CONDITIONS THAT MAY AFFECT THE PROPOSAL. IF DISCREPANCIES ARE NOTED BETWEEN THE DOCUMENTS AND THE EXISTING CONDITIONS THE ARCHITECT SHALL BE NOTIFIED AND THE CONTRACTOR SHALL RECEIVE CLARIFICATION BEFORE SUBMITTING A BID. THE SUBMISSION OF A PROPOSAL SHALL INDICATE THAT ALL CHARGES AND COSTS MADE NECESSARY BY EXISTING CONDITIONS ARE INCLUDED AND THAT THE COMPLETE SYSTEM AS DESCRIBED ABOVE WILL BE FURNISHED AT THE PROPOSED COST.

3. IF WORK IS NOT SPECIFIED BUT REQUIRED BY CODE, THE WORK SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE OWNER.

4. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE, FINISHED, TESTED, ADJUSTED AND OPERATIONAL MECHANICAL SYSTEM. ANY APPARATUS, MATERIAL, WORK OR INCIDENTAL ITEMS REQUIRED TO MAKE THE SYSTEM COMPLETE AND READY FOR OPERATION SHALL BE INCLUDED IN THE MECHANICAL CONTRACTOR'S PROPOSAL WHETHER OR NOT IT IS SHOWN ON THE DRAWINGS OR IN THE SPECIFICATIONS.

5. THE LANDLORD'S "TENANT CRITERIA MANUAL" FORMS A PART OF THESE SPECIFICATIONS. ANY DISCREPANCY BETWEEN THESE SPECIFICATIONS AND THE "TENANT CRITERIA MANUAL" THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY. ANY EQUIPMENT REQUIRED OF THE MANUAL BUT NOT SHOWN ON THESE SPECIFICATIONS SHALL BE PROVIDED AT THIS CONTRACTOR'S EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR SECURING A COPY OF THE TENANT CRITERIA MANUAL FROM THE MALL AND BECOMING FAMILIAR WITH ITS CONTENTS.

6. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY ARE INTENDED TO CONVEY THE SCOPE OF WORK AND TO INDICATE THE GENERAL ARRANGEMENT OF THE EQUIPMENT, DUCTS, PIPING, ETC. THE MECHANICAL CONTRACTOR MUST OBTAIN APPROVED CONSTRUCTION DRAWINGS FROM THE GENERAL CONTRACTOR BEFORE BEGINNING ANY WORK.

7. THE ENTIRE INSTALLATION, INCLUDING ALL MATERIALS, EQUIPMENT, AND WORKMANSHIP, SHALL CONFORM TO ALL APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, COUNTY, STATE AND FEDERAL AUTHORITIES AND SHALL ALSO BE IN COMPLIANCE WITH THE LANDLORD'S CRITERIA AND THE LATEST EDITIONS OF ASHRAE STANDARDS, THE LIFE SAFETY CODE, THE STANDARD BUILDING CODE, UNDERWRITERS LABORATORIES, THE NATIONAL ELECTRICAL CODE, NFPA 70, 90A, AND 96.

8. THE MECHANICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND LICENSES PERTAINING TO HIS WORK.

9. THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH DETAILED REQUIREMENTS OF LEASE EXTRACTS FROM THE LANDLORD AND TENANT.

10. THE CONTRACTOR SHALL FURNISH AND INSTALL AN AIR-CONDITIONING AND HEATING SYSTEM IN ACCORDANCE WITH LANDLORD CRITERIA.

11. COORDINATE LOCATIONS OF ALL AIR OUTLETS WITH ALL WALLS, LIGHTS, SPRINKLER HEADS, CEILING TILES AND DECORATIVE CEILING FIXTURES PRIOR TO INSTALLATION.

12. EQUIPMENT AND MATERIALS IN TRANSIT SHALL UTILIZE FREIGHT ELEVATOR OR STAIRS. SAID EQUIPMENT OR MATERIALS SHALL BE DISASSEMBLED AS REQUIRED TO MEET THE RESTRICTIONS IMPOSED BY THE BUILDING OR ITS COMPONENT CONSTRAINTS AND THEN REASSEMBLED IN THE NEW WORK AREA.

13. ALL WORK SHALL BE DONE WITH A MINIMUM OF NOISE AND DISTURBANCE TO BUSINESS ROUTINE. ALL WORK SCHEDULES SHALL BE COORDINATED WITH AND APPROVED BY, THE ARCHITECT.

14. SINCE THESE ARE SECURE FLOORS, ALL DELIVERIES, WORKERS, WORK OPERATORS, ETC., REQUIRED BY THE CONTRACTOR FOR WORK PERFORMED IN ANY AREA OR SITE BUILDING SHALL BE IN STRICT CONFORMANCE TO THE RULES AND REGULATIONS OF THE OWNER AND ARCHITECT.

15. CONTRACTOR SHALL PROTECT HIS WORK AND EQUIPMENT FROM DAMAGE, VANDALS, ETC. ANY ITEM THAT IS DAMAGED, VANDALIZED OR STOLEN PRIOR TO ACCEPTANCE OF BUILDING BY OWNER AND ARCHITECT SHALL BE REPLACED BY RESPECTIVE CONTRACTOR AT NO CHARGE TO OWNER.

16. PROVIDE ACCESS DOORS FOR ALL CONCEALED TURNING VANES IN DUCTWORK, VALVES, VENTS, DAMPERS, FIRE DAMPERS, EXPANSION JOINTS, PULL BOXES, SHOCK ABSORBERS, DRAINS, MOTORS, FANS, PUMPS AND ANY OTHER ITEM REQUIRING SERVICE. DOORS IN PLASTER OR CONCRETE SURFACES SHALL HAVE A RECESSED DOOR WITH CONCRETE OR PLASTER FACING. DOORS IN CARPETED OR TILED AREAS SHALL BE RECESSED WITH TILE FACING. NO ACCESS DOORS ARE REQUIRED IN 2' X 2' AND 2' X 4' LAY-IN ACOUSTIC TILE CEILING. PROVIDE COLORED PINS TO DENOTE ACCESS TILES. FURNISH FACTORY MADE METAL ACCESS DOORS, COMPLETELY FLUSH, "ALLAN HEAD" SCREWDRIVER OPERATED, WITH FRAMES AND CAM-TYPE CATCH WITH STAINLESS STEEL STUD. DOORS SHALL BE NOT LESS THAN 12" X 12" FOR HAND ACCESS. DOORS IN WALLS AND CEILING SHALL BE PRIME COATED CARBON STEEL. FURNISH FIRE RATED DOORS FOR FIRE RATED CONSTRUCTION. RATING OF DOOR MUST BE SAME RATING AS CONSTRUCTION.

17. IT IS SPECIFICALLY THE INTENTION OF THIS SPECIFICATION TO HOLD THE CONTRACTOR RESPONSIBLE FOR ALL DAMAGE DONE TO ANY EXISTING FACILITIES, EQUIPMENT, PAINTING, OR ARCHITECTURAL AND STRUCTURAL FEATURES OF THE BUILDING, BY EITHER THEIR OWN WORKMEN OR BY ANY OF THEIR SUBCONTRACTORS. THE CONTRACTOR SHALL REPAIR ANY DAMAGE DONE BY HIS OWN WORKMEN OR SUBCONTRACTORS, AND THE OWNER AT HIS DISCRETION, MAY WITHHOLD PAYMENTS EQUAL TO THE REASONABLE COST OF THE REPAIRS.

18. THIS CONTRACTOR SHALL NOT INTERRUPT ANY OF THE SERVICES OF THE EXISTING BUILDING NOR INTERFERE WITH THE SERVICES IN ANY WAY WITHOUT THE EXPRESSED PERMISSION OF THE OWNER AND ARCHITECT.

19. THIS CONTRACTOR OR HIS WORKMEN SHALL NOT BE PERMITTED TO USE ANY PART OF THE EXISTING BUILDING AS A SHOP WITHOUT THE APPROVAL OF THE OWNER AND ARCHITECT.

20. WHERE THE WORK MAKES TEMPORARY SHUTDOWN OF SERVICES UNAVOIDABLE, THEY SHALL BE MADE AT NIGHT OR AT SUCH TIMES AS WILL CAUSE THE LEAST INTERFERENCE WITH THE ESTABLISHED OPERATING ROUTINE.

21. THIS CONTRACTOR SHALL ARRANGE THE WORK SO AS TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTION TO THE EXISTING WORK. THIS CONTRACTOR SHALL GIVE AMPLE WRITTEN NOTICE IN ADVANCE TO THE OWNER OF ANY REQUIRED SHUT DOWN.

22. ALL MOTORS, FANS, CONTROLS, FIXTURES, HVAC UNIT, DUCTWORK AND OTHER EQUIPMENT FOR USE IN THIS CONTRACT SHALL BE PROTECTED BY TARPULIN OR BY BOXING AS SOON AS DELIVERED TO THE SITE, AND SHALL BE KEPT CLEAN AND DRY. THE MOTORS, UNITS, FIXTURES, FANS, DUCTWORK AND MOVING PARTS SHALL BE KEPT COVERED SO AS TO ELIMINATE DIRT, DUST, AND OTHER MATERIALS ENTERING THE PARTS DURING ERECTION AND CONSTRUCTION WORK ON THE BUILDING. SHOULD IT BE FOUND THAT ANY PARTS ARE DAMAGED DUE TO CARELESSNESS ON THE PART OF THE CONTRACTOR IN NOT PROVIDING PROPER PROTECTION, SUCH PART OR PARTS SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN COST AND EXPENSE. ALL OPENINGS IN DUCTS, PIPING, CONDUITS, ETC., SHALL BE PROPERLY PROTECTED WITH TEMPORARY CAPS OR PLUGS AT ALL TIMES.

23. THE MECHANICAL CONTRACTOR SHALL VERIFY AND COORDINATE ALL METHODS OF HANGING, SUPPORTING, CUTTING AND PATCHING WITH THE OWNER OR LANDLORD.

24. DURING THE CONSTRUCTION PHASE OF THE PROJECT, ANY DUCTWORK INSTALLED IS TO BE COMPLETELY SEALED UP OF ANY OPENINGS, EITHER AT THE BEGINNING OR END OF A DUCT RUN OR AT A BRANCH, COLLAR DIFFUSER OR REGISTER TO AVOID DIRT OR OTHER CONTAMINANTS FROM ENTERING THE SYSTEM.

25. CONTROL WIRING AND CONTROLS: THE MECHANICAL CONTRACTOR IS TO FURNISH AND INSTALL ALL NECESSARY WIRING (IN CONDUIT IF REQUIRED) AND CONTROLS REQUIRED TO PROVIDE A COMPLETE AND OPERATING SYSTEM.

26. POWER WIRING:
A. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL ALL EQUIPMENT AND MATERIAL REQUIRED TO PROVIDE POWER TO THE MECHANICAL EQUIPMENT FROM THE TENANT'S POWER SUPPLY.
B. THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL A DISCONNECT SWITCH AND STARTER ON THE MECHANICAL EQUIPMENT AS NECESSARY FOR A COMPLETE INSTALLATION.
C. THE ELECTRICAL CONTRACTOR IS TO PROVIDE POWER WIRING TO THE TOILET EXHAUST FAN THROUGH THE TOILET ROOM LIGHT SWITCH WITH DELAY OFF BUILT IN.

27. THIS CONTRACTOR IS TO HIRE LANDLORD'S SPECIFIED CONTRACTOR FOR ALL ROOF AND WALL PENETRATIONS.

28. IF STRUCTURAL DRAWINGS FOR HVAC EQUIPMENT SUPPORT(S) ARE NOT ALREADY INCORPORATED INTO THIS SET OF PLANS AND SPECIFICATIONS, THE MECHANICAL CONTRACTOR, AT THEIR OWN COST AND EXPENSE, AND AS PART OF THE BID TO THE G.C., IS TO HIRE A STRUCTURAL ENGINEER TO DESIGN THE SUPPORTS FOR THE NEW HVAC UNITS AND A STRUCTURAL SUBCONTRACTOR TO FURNISH AND INSTALL SUCH HANGERS / SUPPORTS, BRACING, ETC. TO HANG FROM THE STRUCTURE FOR ALL NEW HVAC EQUIPMENT. G.C. TO SUBMIT AS REQUIRED ALL STRUCTURAL SHOP DRAWINGS TO THE LANDLORD'S ARCHITECT, AS REQUIRED, FOR APPROVAL, PRIOR TO STARTING WORK.

29. MECHANICAL CONTRACTOR SHALL PROVIDE (2) TWO COMPLETE INDEPENDENT CERTIFIED AIR BALANCE OF ALL SYSTEMS AS REQUIRED PER PROJECT.

30. ALL PIPING AND DUCTWORK MUST HAVE MARKERS AND DIRECTION ARROWS EVERY 15 FEET PER INDUSTRY STANDARD, EXCEPT THROUGHOUT CUSTOMER/RETAIL AREAS WHERE DUCT/PIPING IS EXPOSED.

II. DRAWINGS

1. SUBMIT TWO (2) SETS OF AS BUILT DRAWINGS IDENTIFIED WITH PROJECT NAME AND LOCATION, TO THE ARCHITECT OF RECORD, OF THE FOLLOWING:
1. DUCTWORK LAYOUT
2. CONTROL DIAGRAMS
3. SEQUENCE OF OPERATION
4. TOILET EXHAUST FAN & HVAC UNIT
5. AIR OUTLETS
6. INSULATION
7. PIPING

2. AS-BUILT DRAWINGS ARE NOT A SUBSTITUTE FOR SHOP DRAWINGS AND SHOULD NOT BE CONSIDERED THE SAME.

III. GUARANTEE, WARRANTY

1. THE MECHANICAL CONTRACTOR SHALL INCLUDE IN THE PROPOSAL A ONE YEAR GUARANTEE, WARRANTY ON ALL EQUIPMENT AND MATERIAL HE INSTALLS OR REFURBISHES UNLESS A LONGER WARRANTY IS INDICATED FOR EQUIPMENT.

IV. DUCTWORK

1. THE MECHANICAL CONTRACTOR SHALL PROVIDE COMPLETE AIR BALANCING OF ALL NEW SYSTEMS. TESTING AND BALANCING SHALL BE PERFORMED BY AN INDEPENDENT CONTRACTOR AT MECHANICAL CONTRACTOR'S EXPENSE. ALL NEW SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH THE LATEST STANDARD OF THE "ASSOCIATED AIR BALANCE COUNCIL" (AABC) OR "THE NATIONAL ENVIRONMENTAL BALANCING BUREAU" (NEBB), NO SUBSTITUTIONS WILL BE ACCEPTABLE. A COMPLETE CERTIFIED REPORT INDICATING AIR FLOW RATES, PRESSURE DROPS, STATIC PRESSURES, BRAKE HORSEPOWER, AMP DRAW, EXHAUST CFM, ETC., SHALL BE DELIVERED TO THE ARCHITECT, THE TENANT AND THE MALL MANAGEMENT OFFICE. ACTUAL AIR BALANCING SHALL BE PERFORMED WITH A 98% ACCURATE AIR VELOCITY METER.

2. CHANGE IN DIRECTION ELBOWS SHALL HAVE AN INSIDE RADIUS OF NOT LESS THAN THE WIDTH OF THE DUCT.

3. ALL DUCTWORK SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH SMACNA LOW VELOCITY AND "HVAC DUCT CONSTRUCTION STANDARDS MANUAL", LATEST EDITION AND ASHRAE USING PRIME SHEETS OF GALVANIZED STEEL. ALL SQUARE ELBOWS SHALL BE PROVIDED WITH DOUBLE WALLED VANES ON MAXIMUM 3" CENTERS. PROVIDE SEAL CLASS "C" ON ALL TRAVERSE JOINTS UNLESS SUPERSEDED BY MORE STRINGENT LOCAL CODES. ALL DUCT CONNECTIONS ARE TO BE RIGID AND LEAK FREE ASSEMBLIES AS MANUFACTURED BY DUCTMATE INDUSTRIES OR APPROVED EQUIVALENT.

4. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL FIRE DAMPERS AS REQUIRED BY LANDLORD AND/OR TENANT CRITERIA AND/OR CODES HAVING JURISDICTION. ALL FIRE DAMPERS SHALL COMPLY WITH THE REQUIREMENTS OF THE BOARD OF FIRE UNDERWRITERS, THE LOCAL FIRE MARSHAL, AND SHALL BE LABELED AND APPROVED BY UNDERWRITERS LABORATORIES.

5. ALL BRANCHES AND TAKEOFFS SHALL BE EQUIPPED WITH MANUAL VOLUME CONTROLLING DEVICES HAVING AN INDICATING AND LOCKING DEVICE.

6. SUPPORT HORIZONTAL DUCTS WITH HANGERS SECURED TO BAR JOISTS OR STRUCTURAL STEEL ABOVE, AT INTERVALS NOT TO EXCEED 5'-0". DUCTWORK SHALL NOT BE SUPPORTED FROM ROOF DECKING, AND/OR BRIDGING, BUT SHALL BE SUSPENDED FROM THE TOP CHORD OF BAR JOISTS. DUCTWORK SHALL CLEAR ALL SPRINKLERS AND OTHER OBSTACLES AND SHALL BE HUNG AS HIGH AS POSSIBLE IN WORK AND STORAGE AREAS.

7. ALL REGISTERS AND DIFFUSERS SHALL BE AS SCHEDULED ON DWG M100. FLUSH TO THE CEILING, WALLS, ETC., AND SHALL HAVE MANUFACTURERS BAKED ENAMEL FINISH (COLOR TO MATCH CEILING TILES OR CEILING). MANUFACTURER'S BAKED ENAMEL OFF-WHITE FINISH. DIFFUSERS SHALL BE OF THE ADJUSTABLE PATTERN TYPE WITH VOLUME CONTROL DAMPERS AND FLOW EQUALIZING. ANY PART OF DIFFUSER HOUSING LOCATED IN CONCEALED CEILING MUST BE INSULATED, SEE DETAIL.

8. FIBERGLASS DUCTWORK WILL NOT BE ALLOWED.

9. MECHANICAL CONTRACTOR SHALL REFER TO DUCTWORK SCHEDULE ON DRAWING M200 FOR DUCTWORK TYPE, HANGER SYSTEM, CONNECTIONS, ETC. NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCY WITH THE DRAWINGS.

10. ALL DUCTWORK SHALL BE HUNG AS HIGH AS POSSIBLE TO MAINTAIN ARCHITECTURAL CEILING HEIGHT REQUIREMENTS.

11. PROVIDE SPLITTER OR VOLUME DAMPERS ON ALL NEW SUPPLY AIR DUCT SPLITS AND TAPS AND AIR EXTRACTORS ON ALL SUPPLY AIR REGISTERS.

12. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL CEILING DIFFUSERS AND REGISTERS.

13. WHEN NEW DUCTWORK CONFLICTS WITH EXISTING DUCTWORK, PIPING, ETC., NEW DUCTWORK SHALL BE SET UP OR DOWN AS REQUIRED WITH FREE PEOPLE MOVEMENT PROJECT MANAGER'S PERMISSION.

V. AUTOMATIC TEMPERATURE CONTROL

GENERAL

1. INSTRUCTION AND ADJUSTMENT UPON COMPLETION OF THE JOB, THE CONTRACTOR SHALL COMPLETELY ADJUST AND MAKE READY FOR USE ALL THERMOSTATS, CONTROL VALVES, DAMPER MOTORS, AND RELAYS PROVIDED UNDER THIS CONTRACT. THE CONTRACTOR SHALL PROVIDE A COMPLETE INSTRUCTION MANUAL COVERING THE FUNCTION AND OPERATION OF ALL CONTROL COMPONENTS ON THE JOB. THE MANUAL SHALL BE FURNISHED TO THE OWNER'S OPERATING PERSONNEL, AND A COMPETENT TECHNICIAN SHALL BE PROVIDED FOR INSTRUCTION PURPOSES. THE CONTRACTOR SHALL FURNISH A FRAMED SCHEMATIC CONTROL DIAGRAM SEQUENCE OF OPERATION AND WIRING DIAGRAM IN A LAMINATED COVER.

2. SERVICE AND GUARANTEE CONTROLS SHALL BE ADJUSTED, REPAIRED OR REPLACED FREE OF CHARGE FOR A PERIOD OF ONE (1) YEAR, UNDER NORMAL USE AND SERVICE.

3. THERMOSTATS
A. MOUNT SENSORS 5'-0" ABOVE FINISHED FLOORS OR AS NOTED ON PLANS. TURN OVER OPERATING INSTRUCTIONS TO TENANT REPRESENTATIVE.

4. ALL LOW VOLTAGE WIRING FOR THERMOSTATS/SENSORS SHOULD BE NO LESS THAN 18 GAUGE.

VI. SPECIFIC HVAC SPECIFICATIONS

SEE HVAC DRAWINGS SPECIFICATIONS FOR:

1. WORK FURNISHED AND/OR INSTALLED BY LANDLORD.

2. INSULATION AND/OR ACOUSTIC LINING
1) DUCTWORK

3. AUTOMATIC TEMPERATURE CONTROLS
1) DESCRIPTION OF OPERATIONS
2) OPERATING INSTRUCTIONS

4. EQUIPMENT
1) EXHAUST FANS & HVAC UNITS.
2) MISCELLANEOUS HVAC EQUIPMENT ACCESSORIES.

VII. INSULATION

1. PIPE INSULATION (WHERE APPLICABLE)
A. ALL INSULATION SHALL BE APPLIED BY CRAFTSMAN SKILLED IN SUCH TRADE.
B. FLAME SPREAD AND SMOKE DEVELOPED RATING OF ALL MATERIAL UTILIZED IN AN FOR THE INSTALLATION OF ALL INSULATION SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).

2. ALL UNEXPOSED SUPPLY AIR DUCTWORK WITHIN BUILDING SHALL HAVE 2", 1 POUND DENSITY FIBERGLASS DUCT WRAP INSULATION (MINIMUM R-6.0 INSTALLED) WITH FOIL FACE VAPOR BARRIER, ADHERED WITH WHITE MASTIC CEMENT AND FOIL TAPE. ALL EXPOSED DUCT THAT REQUIRES INSULATION (RETURN AIR DUCTWORK) SHALL BE INTERNALLY LINED.

3. LEADING EDGES OF DUCT INSULATION SHALL BE OVERLAPPED BY ADJOINING INSULATION FOR 6" MINIMUM AND THEN SEALED WITH FOIL VAPOR BARRIER ADHESIVE TAPE AND COATED WITH WHITE MASTIC CEMENT SO THAT NO FIBERGLASS INSULATION IS VISIBLE. MECHANICAL CONTRACTOR SHALL REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR ADDITIONAL REQUIREMENTS, RECOMMENDATIONS, PROCEDURES, ETC.

4. ALL INSULATION ON EXISTING PIPING OR DUCTS THAT IS WETTED, DAMAGED, DISTURBED OR REMOVED SHALL BE REPLACED.

5. MAXIMUM FLAME SPREAD SHALL BE 25 AND MAXIMUM SMOKE DEVELOPED CRITERIA SHALL BE 50 OR LESS TO MEET MORE STRINGENT LOCAL CODE CRITERIA.

6. RETURN AIR DUCTWORK SHALL BE INTERNALLY LINED DUCTWORK WITH 1" THICK, 1.5 PCF DENSITY, MINIMUM R-4.2, NEOPRENE COATED, LONG TEXTILE FIBER TYPE DUCT LINER, WITH COATING ON THE AIR STREAM SIDE CONFORMING TO NFPA 90A. DUCT LINER ADHESIVE SHALL BE AS RECOMMENDED BY DUCT LINER MANUFACTURER, AND SHALL COMPLY WITH ASTM C-916. DUCT LINER FASTENERS SHALL COMPLY WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS" LATEST EDITION. THERMAL CONDUCTIVITY SHALL BE EQUAL TO OR LESS THAN 0.26 AT 75°F. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSIONS REQUIRED FOR AIRFLOW. INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS.

VIII. FLEXIBLE CONNECTIONS

FINAL CONNECTIONS TO EXHAUST FAN(S) SHALL BE WITH A HEAVY AIRTIGHT ACID RESISTANT FIRE RETARDANT FIBER GLASSED NEOPRENE CONNECTOR, A MINIMUM OF SIX (6) INCHES IN LENGTH. THE CONNECTOR SHALL BE FASTENED TO EQUIPMENT AND DUCT WITH TWO FLEXIBLE REMOVABLE BRASS STRAPS, OR ALTERNATE APPROVED METHOD.

IV. FLEXIBLE DUCT

FLEXIBLE DUCT FOR CONNECTIONS SHALL BE A FACTORY FABRICATED ASSEMBLY CONSISTING OF AN INNER SLEEVE, INSULATION AND AN OUTER FOIL (ALUMINIZED) MOISTURE BARRIER. THE INNER SLEEVE SHALL BE CONSTRUCTED OF A CONTINUOUS VINYL COATED SPRING STEEL WIRE HELIX FUSED TO A CONTINUOUS LAYER OF FIBERGLASS IMPREGNATED AND COATED VINYL. A 1-1/4" THICK LAYER OF INSULATING BLANKET OF FIBERGLASS WOOL SHALL ENCASE THE INNER SLEEVE AND BE SHEATHED WITH AN OUTER MOISTURE BARRIER OF A BIDIRECTIONAL REINFORCED METALIZED VAPOR BARRIER. THE FLEXIBLE DUCT SHALL BE RATED FOR A MAXIMUM WORKING VELOCITY OF 6000 FPM AND SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES UNDER THEIR UL-181 STANDARDS AS A CLASS 1 DUCT AND SHALL COMPLY WITH NFPA STANDARD -90A. THE FLEXIBLE DUCT SHALL BE THERMAFLEX M-KC OR APPROVED EQUIVALENT. FLEXIBLE DUCT SHALL ROUTE FROM SHEET METAL DUCTWORK TO CEILING DIFFUSERS ONLY. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL BE 6'-0" MAXIMUM. THERE SHALL BE NO EXPOSED FLEXIBLE DUCT. FLEXIBLE DUCT BENDS MUST NOT BE GREATER THAN 45° OVER A 3 FOOT SPAN. KINKS OR BUNCHING OF FLEXIBLE DUCT IS PROHIBITED.

X. INDOOR AIR QUALITY

1. NO ANALYSIS HAS BEEN MADE WITH REGARD TO SOURCES OR POTENTIAL SOURCES OF INDOOR OR OUTDOOR AIR CONTAMINANTS OR LEVELS OF CONTAMINATION.

2. IT IS THE RESPONSIBILITY OF THE GENERAL AND MECHANICAL CONTRACTOR TO INFORM THE TENANT'S REPRESENTATIVE, LANDLORD AND TENANT'S ARCHITECT IF ANY SOURCE OR POTENTIAL SOURCE OF INDOOR AIR CONTAMINATION IS IDENTIFIED.

3. PRIOR TO ENCLOSING SPACES SUCH AS PLUMBING CHASES, AIR SHAFTS AND RETURN AIR PLENUMS CLEAN ALL AREAS THOROUGHLY. THE CONTRACTOR SHALL GUARANTEE THAT THE PLENUM CHAMBER USED FOR RECIRCULATING OF AIR WILL BE OF TIGHT CONSTRUCTION AND THAT ALL SOURCES OF CONTAMINATION FROM TRAPS, SOIL STACKS, DOWNSPOUTS, VENTS, EXHAUST DISCHARGES AND OTHER SOURCES WILL BE ENCLOSED SO THAT NO CONTAMINATED AIR WILL BE RECIRCULATED.

4. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES SHUT OFF THE HVAC SYSTEM, BLOCK OFF ALL AIR GRILLS, DIFFUSERS, AND OTHER OPENINGS OUTSIDE THE IMMEDIATE CONSTRUCTION AREA. OPENINGS TO ADJACENT TENANT SPACES SHALL BE COVERED WITH FILTER MEDIA TO PREVENT DUST AND OTHER AIRBORNE CONTAMINANTS FROM PASSING TO ADJOINING SPACES.

5. CONTRACTOR TO INSTALL TEMPORARY EXHAUST SYSTEM TO VENTILATE CONSTRUCTION SITE AND KEEP SITE UNDER SLIGHT NEGATIVE PRESSURE DURING ALL HOURS OF CONSTRUCTION, EVEN IF AFTER NORMAL BUSINESS HOURS.

6. CONTRACTOR TO INSTALL TEMPORARY BARRIERS TO PROTECT ADJACENT SPACES FROM DUST, PARTICULATES, VAPORS AND NOISE. WHERE TEMPORARY BARRIERS ARE INSTALLED ALWAYS MAINTAIN FIRE EXITS AND EXITWAYS.



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ISSUE 1 - CHECK SET

03-14-2025

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03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :

**MECHANICAL
SPECIFICATIONS**

SHEET NO. :

M300

SYMBOL LIST	
SYMBOL	DESCRIPTION
	SINGLE POLE SWITCH
	THREE WAY SWITCH
	THERMAL OVERLOAD SWITCH - "P" DENOTES PILOT LIGHT
	DIMMER SWITCH AS REQUIRED BY LIGHT FIXTURE MFR. LUTRON NOVA T STYLE.
	OCCUPANCY SENSOR CEILING MOUNTED. WATTSTOPPER. SPECIFY ON DRAWINGS
	WALL MOUNTED OCCUPANCY SENSOR - WATTSTOPPER PW-100, UNLESS NOTED.
	DUPLEX CONVENIENCE OUTLET (+ 18" ABOVE FINISHED FLOOR)
	SIMPLEX RECEPTACLE
	DOUBLE DUPLEX OUTLET (+ 18" ABOVE FINISHED FLOOR)
	DUPLEX CONVENIENCE OUTLET MOUNTED 6" ABOVE COUNTER TOP
	FLUSH FLOOR MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DUPLEX RECEPTACLE
	FLUSH CEILING MOUNTED OUTLET BOX WITH DOUBLE DUPLEX RECEPTACLE
	RECEPTACLE - RATING & VOLTAGE AS INDICATED ON DRAWINGS
	DATA OUTLET
	TELEPHONE OUTLET (+ 18" ABOVE FINISHED FLOOR) "W" DENOTES WALL MOUNTED (+54" ABOVE FINISHED FLOOR) "P" DENOTES PUBLIC PAY PHONE (+54" ABOVE FINISHED FLOOR)
	JUNCTION BOX - WALL OR CEILING MOUNTED
	NON - FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH - DEVICE AS NOTED
	MOTOR CONNECTION - H.P. AS NOTED ON DRAWINGS
	CONDUIT RUN CONCEALED IN CEILING OR WALLS
	CONDUIT INSTALLED CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
	CONDUIT RUN EXPOSED
	HOMERUN TO PANEL INDICATING CIRCUIT NUMBERS - ALL WIRING SHALL BE #12 WITH GROUND WIRE UON (INCREASE TO #10 FOR CIRCUITS BETWEEN 100 AND 200 LF) CONSULT ENGINEER FOR RUNS OVER 200 LN FEET IF WIRE SIZE IS NOT INDICATED - ALL HOMERUNS SHALL BE TO A 20 AMPERE, 1 POLE CIRCUIT BREAKER UON. WIRE FILL AS REQUIRED FOR APPLICATION INDICATED. (1E) INDICATES HOMERUN SHOWN IN MULTIPLE LOCATIONS AND TIED TO SAME BREAKER. (LO) INDICATES CIRCUIT BREAKER LOCK ON DEVICE TO BE PROVIDED.
	GROUND CONNECTION.
	TRANSFORMER
	CIRCUIT BREAKER
	SWITCH & FUSE
	PANELBOARD - 208Y/120V-3ph-4W
	PANELBOARD - 480/277V-3ph-4W
	PANELBOARD - 240/120V-1ph-3W
A.	DENOTES AMPERES
A.F.F.	DENOTES ABOVE FINISHED FLOOR
C.	DENOTES CONDUIT
CO	DENOTES CONDUIT ONLY
ETR	DENOTES EXISTING TO REMAIN
GFCI	DENOTES GROUND FAULT CIRCUIT INTERRUPTER, 5mA UNLESS OTHERWISE NOTED.
GRD.	DENOTES GROUND
NF	DENOTES NON FUSED
N.I.C.	DENOTES NOT IN CONTRACT
NL	DENOTES NIGHT LIGHT
UNO	DENOTES UNLESS NOTED OTHERWISE
UOI	UBRAN OUTFITTERS INCORPORATED
WP	DENOTES WEATHERPROOF

SPECIAL NOTES:

- S1. COORDINATE WORK WITH THE GENERAL CONTRACTOR TO LEAST INTERFERE WITH THE LANDLORD'S USE OF THE FACILITY. GENERAL CONTRACTOR MAY REQUIRE WORK INTERRUPTIONS DURING THE DAY AND MAY REQUIRE CERTAIN WORK TO BE PERFORMED ON PREMIUM TIME AT NIGHT OR ON WEEKENDS.
- S2. UNLESS NOTED OTHERWISE MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT SHALL BE AS FOLLOWS:
SWITCHES: 4'-0" A.F.F. TO TOP OF BOX (TYPICAL)
3'-6" A.F.F. TO CENTER OF BOX IN TOILETROOMS
RECEPTACLES: 18" A.F.F. TO CENTER OF BOX
TELEPHONE: 18" A.F.F. TO CENTER OF BOX (DESK TYPE ONLY)
- S3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE RATED AND SMOKE RATED WALLS. SEAL ALL CONDUIT PENETRATIONS THROUGH SUCH WALLS IN ACCORDANCE WITH SPECIFICATIONS.
- S4. ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL ONLY. FOR EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES, ETC., REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS.
- S5. REFER TO MECHANICAL DRAWINGS FOR EXACT SIZE, LOCATION, AND ELECTRICAL REQUIREMENTS FOR ALL MOTORS AND MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- S6. VISIT AND EXAMINE CAREFULLY THE BUILDING SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THE WORK, BEFORE SUBMITTING PROPOSALS. SUBMISSION OF A PROPOSAL WILL BE EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS BECAUSE OF DIFFICULTIES ENCOUNTERED, WILL NOT BE RECOGNIZED.
- S7. THE EXISTING CEILING CAVITIES ARE PLENUMS/NON PLENUM.
- S8. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED HORIZONTALLY AND NOT VERTICALLY. IN AREAS WHERE COUNTERS ARE PROVIDED, COORDINATE EXACT LOCATION OF OUTLETS AND WIRING WITH CASEWORK
- S9. CONTRACTOR SHALL COORDINATE WITH ALL "VENDOR" TRADES FURNISHING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. CHECK CAREFULLY ALL CONSTRUCTION DRAWINGS AND SPECIFICATIONS THAT ARE PART OF THIS PROJECT TO INSURE COMPLIANCE WITH VENDOR REQUIREMENTS. NO EXTRA CHARGES SHALL BE ACCEPTED BY OWNER, AFTER BIDDING FOR SUCH EQUIPMENT AND LABOR.
- S10. EQUIPMENT LABELS AND INSTRUCTIONS REGARDING THE APPLICATION AND INSTALLATION OF THE LISTED EQUIPMENT SHALL BE FOLLOWED TO INSURE THAT THE EQUIPMENT IS BEING INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS. THE TEMPERATURE RATING OF THE EQUIPMENT TERMINATION MUST BE CORRELATED WITH THE CONDUCTOR AMPACITY TO PREVENT OVERHEATING AND PREMATURE FAILURE.
- S11. COORDINATE WORK WITH FIELD CONDITIONS AND OTHER TRADES AND INSTALL CONDUIT AND BOXES TO CLEAR EMBEDDED DUCTS, OPENINGS AND OTHER STRUCTURAL FEATURES.
- S12. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS.
- S13. ALL LIGHTING FIXTURES ARE TO BE LOCATED AS REQUIRED ON THE JOB TO CLEAR DUCTS, PIPING, EQUIPMENT, AND/OR MECHANICAL UNITS.
- S14. ALL OF THE BOXES, CONDUITS, WIRES, CONTROL STATIONS, SLEEVES, INSERTS, FRAMES AND ANCHORS ARE NOT SHOWN ON THE DRAWINGS. ONLY MAJOR ITEMS ARE SHOWN. COORDINATE ALL WORK AS REQUIRED FOR PROPER DEMOLITION AND INSTALLATION.
- S15. NO WIRING SHALL BE DONE PRIOR TO THE CONTRACTOR'S REVIEW OF THE PROJECT EQUIPMENT SHOP DRAWINGS. COORDINATE FIELD CONDITIONS WITH THE DESIGN DOCUMENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT/ENGINEER'S ATTENTION FOR FINAL RESOLUTION. WORK THAT HAS TO BE REPLACED DUE TO LACK OF PROPER SHOP DRAWINGS COORDINATION SHALL BE DONE AT CONTRACTOR'S EXPENSE.
- S16. NEW PANELS SHALL NOT BE INSTALLED BELOW WATER PIPES OR VENTILATION DUCTS.
- S17. FURNISH AND INSTALL EQUIPMENT DISCONNECT SWITCHES IN STRICT COMPLIANCE WITH CODE REQUIREMENTS. (NOT ALL LOCAL DISCONNECT SWITCHES ARE SHOWN).
- S18. ALL OUTLETS BOXES SHALL BE PROVIDED WITH PROPER COVER PLATES.
- S19. CIRCUITS ARE SIZED ASSUMING NO MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A SINGLE CONDUIT. FOR CONDUITS CONTAINING MORE THAN THREE, PROVIDE APPROPRIATE DERATING OF CONDUCTORS PER APPLICABLE CODES.
- S20. THE ACTIVATION OF A DUCT SMOKE DETECTOR SHALL CAUSE A VISUAL AND AUDIBLE SIGNAL IN A NORMALLY OCCUPIED LOCATION. EACH DUCT DETECTOR SHALL INDICATE A TROUBLE CONDITION VISUALLY OR AUDIBLY AND DEVICE SHALL BE LABELED "DUCT SMOKE DETECTOR TROUBLE". INSTALLATION SHALL COMPLY WITH NFPA 90A-4.4.4.3 WHERE IN-DUCT SMOKE DETECTORS ARE INSTALLED IN CONCEALED LOCATIONS, MORE THAN 10 FEET ABOVE THE FINISHED FLOOR, OR IN ARRANGEMENTS WHERE THE DETECTOR'S ALARM INDICATOR IS NOT READILY VISIBLE TO RESPONDING PERSONNEL. THE DETECTORS SHALL BE PROVIDED WITH REMOTE ALARM INDICATORS. REMOTE ALARM INDICATORS SHALL BE INSTALLED AT READILY ACCESSIBLE LOCATION AND SHALL BE CLEARLY LABELED TO INDICATE BOTH THEIR FUNCTION (E.G. IN-DUCT SMOKE DETECTOR ALARM) AND THE ROOF TOP UNIT ASSOCIATED WITH THE DETECTOR IN ACCORDANCE WITH NFPA 72-5-10.6.8.

Lighting Fixture Schedule - Free People Movement Twelve Station										Lamp Information				Site Conditions			
Qty.	Type	Image	Manufacturer	Description	Fixt. Watt	Catalogue #	Beam Spread	Mounting	Flange & Aperture Finish	Volt-age	Lamp Image	Lamp Manf.	Lamp Watts	Lamp Catalogue # & Code	Location	Notes	
17	D1-WD		Indy	LED downlight with warm dimming, nominal 4" diameter aperture x 13"W x 14-1/2"L x 6"H steel housing, integral driver, clear semi-diffuse aluminum parabolic reflector and white trim flange. Provide variable color temperature dimming (warm dimming) so that at the lowest dimming level fixture outputs 1800°K and at the highest dimming level fixture outputs 2700°K with a smooth gradient of color temperature adjustment between those points. Connect to 0-10V wall box dimmer.	15	Housing: SD4-12LM-BBD-120-G4-90CRI-ZT Trim: D-CSS-PF	45°	Recessed	Clear semi-diffuse reflector and white trim flange	120	-	Indy (Integral LED)	15	1200 Lumen 1800-2700°K 90+ CRI LED	Fitting Rooms		
29	D3		Lithonia	Same as type D1, except 3000 lumens.	32	LDN4-30/30-L04-AR-LSS-MVOLT-GZ10-90CRI-TRW	Wide	Recessed	Clear semi-diffuse reflector and white trim flange	120-277	-	Lithonia (Integral LED)	32	3000 Lumen 3000°K 90+ CRI LED	Sales, Fitting Rooms, Cash Wrap		
13	F4		Tracelite	Same as type F2, except 4 foot long.	40	SLS-4-0-C	Wide	Suspended	White	120-277	-	Tracelite (Integral LED)	40	5200 Lumen 3500°K 80+ CRI LED	BOH		
49	H1		Juno	LED trackhead, nominal 3-1/2" diameter x 6-1/2"H aluminum head with integral driver (dimming where required), standard Juno Trac® style compatibility, Flood beam optics and White overall finish.	21	R610L-30K-90CRI-PDIM-FL-WH	Flood	Track Mounted	White	120	-	Juno (Integral LED)	21	1850 Lumen 3000°K 90+ CRI LED	Sales Accent Lighting		
5	L2B		Antares Lighting	LED striplight for mounting behind fitting room mirrors. Specification contains all components for (1) mirror setup. Fixtures nominal 1"W x 1-5/8"H x 21" or 45"L as indicated, extruded aluminum housing, frosted polycarbonate lens, integral driver, provide modular connectors with each fixture, straight 2' L connectors, and 6'L leader cable. Surface mount behind mirror along sides and top as halo light.	5 PER FOOT	Fixtures: (1) GLX12IE830 (2) GLX14SE830 Connectors: (2) 3LC24 Leader Cable: (1) 3PC6	180°	Surface Mount	Natural Aluminum	120	-	Antares Lighting (Integral LED)	5 PER FOOT	430 Lumens Per Foot 3000°K 80+ CRI LED	Fitting Room Mirrors	Fixture has plug in power cord	
2	P0-A		Tech Lighting	Surface mounted canopy and cord set with exposed medium base socket, 4 1/2" diameter canopy x 8 foot long cord. Overall white finish. Lamp with LED A19 style filament lamp as specified. Decorative shade to be added by GC.	-	700TDSOCOP-M-08-W-W	-	Suspended	White	120		Bulbrite	4	776502 A19 Style 300 Lumens 2200K 80+ CRI LED	Cash Wrap	Mount at 6'0" AFF B.O. Shade	
5	P0-B		Tech Lighting	Surface mounted canopy and cord set with exposed medium base socket, 4 1/2" diameter canopy x 8 foot long cord. Overall white finish. Lamp with LED A19 style filament lamp as specified. Decorative shade to be added by GC.	-	700TDSOCOP-M-08-W-W	-	Suspended	White	120		Bulbrite	4	776502 A19 Style 300 Lumens 2200K 80+ CRI LED	Fitting Rooms	Mount at 8'-6" AFF B.O. Shade	
17	TSX Note: X = Length in feet of track		Juno	Single circuit track, 1-3/8"W x 11/16"H x length as indicated on architectural drawings, 120 volt, White overall finish, standard Juno Trac® style compatibility. Cable mounting at height shown on architectural drawings, provide all accessories and components for fully functional track lighting system.	-	T-(LENGTH)-WH+ ACCESSORIES AS REQUIRED + SUSPENSION KIT	-	Suspended	White	120	-	-	-	-	-	Mount at 11'-4" to be aligned with soffit	
94	TTX Note: X = Length in feet of track		Juno	Single circuit track, 1-3/8"W x 11/16"H x length as indicated on architectural drawings, 120 volt, White overall finish, standard Juno Trac® style compatibility. Surface mount, provide all accessories and components for fully functional track lighting system.	-	T-(LENGTH)-WH+ ACCESSORIES AS REQUIRED	-	Surface	White	120	-	-	-	-	-	-	-
5	X-DIMMER		Lutron	0-10 volt wallbox dimmer to fit within 1-gang wallbox, slide to off control, circuit to 0-10 volt connections of type D2 fixtures within fitting rooms. Overall dimmer and wallplate finish to be Matte White. See wiring diagram within cutsheet.	-	Dimmer: NTS1V-DV-WH Wallplate: VWP-1-WH	-	Recessed in Wall	Matte White	120-277	-	-	-	-	Fitting Rooms		
6	EHC		Chloride	LED emergency lighting unit, flush mounted in ceiling with adjustable heads, white finish and integral battery pack.	9	CLUR3 N W	N/A	Flush mounted in ceiling	White	120	N/A	i	9	(3) 3 Watt LED	Path of egress		
2	EEW-G		Contech Lighting	UNIVERSAL COMBO EXIT/EMERGENCY GREEN PLASTIC SIGN - REMOTE CAPABLE	3.8	EXR2HGLED-EM-P	N/A	As indicated on lighting plan.	White	120	N/A	-	3.8	N/A	BOH areas	Replaceable knockout directional chevron's	
5	EZC-G		Contech Lighting	Adjustable Recessed or Surface Mount LED Edge-Lit Exit Sign with Battery Back-Up, Green Letters, 120v Ceiling Mount, White finish	3	REXAMF-G-EM-P	N/A	Clg mount	White	120	N/A	-	3	N/A	SALE AREAS	Replaceable knockout directional chevron's	



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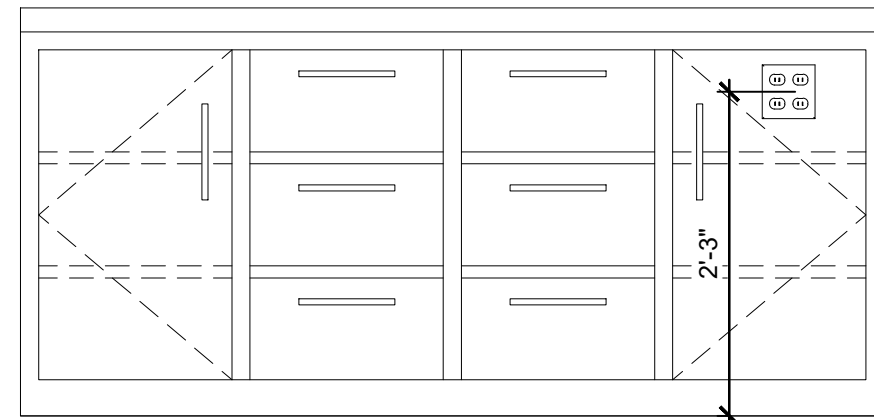
04-25-2025

SHEET TITLE :

**LIGHTING SCHEDULE
 ELECTRICAL
 SYMBOLS / FLAG
 NOTES**

SHEET NO. :

E100



A BACKWRAP ELEVATION- FRONT SIDE
E200 SCALE: 3/4"=1'-0"

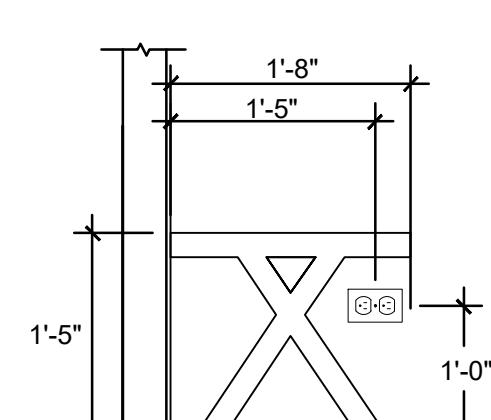
B NOT USED
E200 SCALE: NTS

C NOT USED
E200 SCALE: NTS

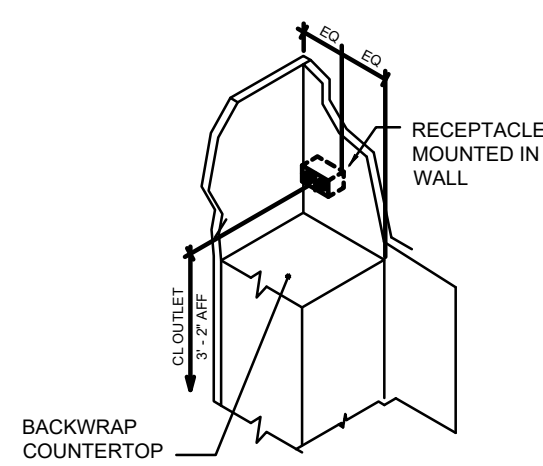
DETAILS NOTE
REFER TO DRAWING E500 FOR ELEVATIONS AND ADDITIONAL DETAILS.

OUTLET COLOR
ALL RECEPTACLES, COVERPLATES, DATA OUTLETS SHALL BE WHITE.

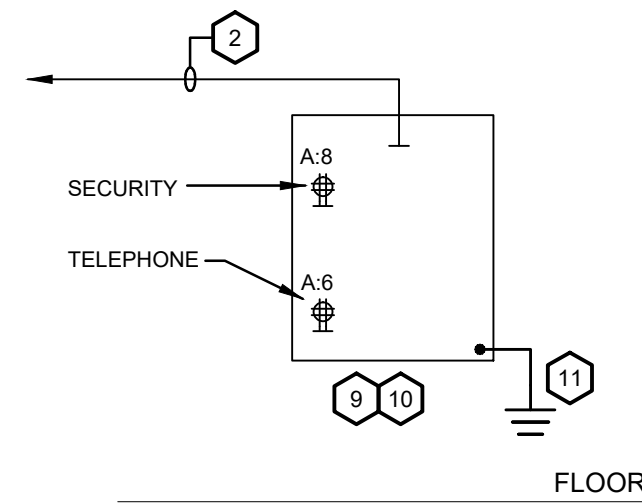
HVAC GENERAL NOTE
ALL HVAC EQUIPMENT IS EXISTING TO REMAIN UNLESS SPECIFICALLY SHOWN AND WIRED.



D RECEPTACLE MOUNTING AT ADA FR BENCH
E200 SCALE: NTS



E BACKWRAP RECEPTACLE
E200 SCALE: NONE



1 PHONE BOARD MOUNTING DETAIL
E200 SCALE: NONE

POWER PLAN GENERAL NOTES

- A. COORDINATE WITH LOCAL AHJ IF A LOW VOLTAGE PERMIT IS REQUIRED.
- B. MAINTENANCE OF ALL TENANT SPECIFIC EQUIPMENT, SUCH AS LIGHT FIXTURES, SMART BREAKERS, TIME CLOCKS, ETC., SHALL NOT BE THE RESPONSIBILITY OF THE LANDLORD. TENANT SHALL PROVIDE A MAINTENANCE CONTRACT FOR THESE PIECES OF EQUIPMENT WITH THE INSTALLERS OR THE EQUIPMENT MANUFACTURERS.
- C. CONTRACTOR SHALL SCHEDULE ANY POWER SHUTDOWNS WITH THE LANDLORD AT LEAST ONE MONTH PRIOR.
- D. OPENINGS AROUND ALL PENETRATIONS THROUGH CEILINGS, FLOOR SLABS AND FIRE RATED WALLS. SHALL BE SEALED WITH APPROVED FIRE STOPPING MATERIAL.
- E. REFER TO DRAWING E300 FOR ALL CEILING OUTLETS, SHOW WINDOW OUTLETS AND POWER REQUIREMENTS RELATING TO THE CEILING.
- F. ALL RECEPTACLES ARE TO BE MOUNTED HORIZONTAL.
- G. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 75' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
- H. ALL WIRING MUST BE IN CONDUIT. ALL CONDUITS SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. WHERE OFFSETS, "KICKS", ETC. ARE REQUIRED TO AVOID OBSTACLES, THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC. FLEXIBLE CONDUIT SHALL BE MC ONLY. FLEXIBLE CONDUIT IS NOT PERMITTED WITHIN DEMISING WALLS.

POWER PLAN KEY NOTES

- 1 EXISTING LOCATION OF ELECTRICAL PANEL "H" AND TRANSFORMER SUSPENDED. REFER TO POWER RISER DIAGRAM AND PANELBOARD SCHEDULES ON SHEET E400
- 2 EXISTING CONDUIT AND CABLE FROM MAIN TELEPHONE DEMARCATION POINT SERVING THIS AREA.
- 3 DRINKING FOUNTAIN. COORDINATE RECEPTACLE LOCATION AND MOUNTING HEIGHT WITH MFGR SPECIFICATIONS.
- 4 EC TO MOUNT RECEPTACLE HORIZONTALLY AT 18" A.F.F., CENTER BETWEEN WALL STANDARDS WHERE APPLICABLE.
- 5 MOUNT RECEPTACLES & DATA JACKS IN CASH WRAP MILLWORK BELOW COUNTER. COORDINATE PLACEMENT OF POWER AND DATA DEVICES WITH VENDOR PRIOR TO INSTALLATION. ALL LOW VOLTAGE WIRING SHALL BE IN CONDUIT.
- 6 PROVIDE (4) 1/2" CONDUITS FOR REQUIRED TELEPHONE AND DATA WIRING FROM CASHWRAP TO DATA CABINET.
- 7 EC SHALL FURNISH AND INSTALL STEEL PLUGMOLD WITH 20 AMP RECEPTACLES 6" ON CENTER, LENGTH AS REQUIRED. WIREMOLD CAT. # V24GB SERIES.
- 8 PROVIDE (1) 1-GANG RECESSED JUNCTION BOX AT MUSIC/VIDEO PLAYER LOCATION WITH 3/4" CONDUIT UP TO ACCESSIBLE CEILING SPACE ABOVE THE SALES FLOOR. NETWORK DROP AT VIDEO PLAYER LOCATION (IN ADDITION TO THE ONE NEEDED FOR THE MUSIC PLAYER) (TWO TOTAL FOR A/V) PROVIDE (1) DUPLEX OUTLET 20A 120V AT MUSIC/VIDEO PLAYER LOCATION
- 9 EXISTING PLYWOOD BOARD 4' HIGH X 4' WIDE X 3/4" THICK. "TTB" (TELEPHONE TERMINAL BOARD).
- 10 PROVIDE A 4" X 4" X 2-1/8" OUTLET BOX ADJACENT TO TELEPHONE EQUIPMENT FOR TERMINATION OF TELEPHONE WIRING FROM CASH WRAP.
- 11 TENANT'S E.C. SHALL PROVIDE A GROUND BUS. SIEMENS US2 EC2GB15 GROUND BAR KIT WITH 15 TERMINAL POSITIONS, AND #6 AWG GROUND CONDUCTOR.
- 12 PROVIDE QUADPLEX RECEPTACLE FOR DATA SERVER, SWITCH, FIRE WALL, ETC., WHICH IS TO BE MOUNTED IN DATA CABINET ON WALL. VERIFY EXACT REQUIREMENTS WITH OWNER I.T. PRIOR TO ROUGH-IN.
- 13 PROVIDE RECEPTACLE FOR CONNECTION TO LED STRIP LIGHTING AT EACH FITTING ROOM MIRROR. CENTER RECEPTACLE ON MIRROR. RECEPTACLE CIRCUIT TO BE CONTROLLED BY WALL SWITCH IN STOCKROOM. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN. SEE LIGHTING PLAN FOR CCTG.
- 14 NOT USED: RECEPTACLE FOR BOTTLED WATER COOLER.
- 15 ELECTRIC WATER HEATER TO BE LOCATED ON SHELF ABOVE. COORDINATE LOCATION WITH PC ON SITE. 1.5KW, 120 VOLT. PROVIDE POWER DISCONNECT SWITCH IN ACCESSIBLE LOCATION.
- 16 NOT USED: EXISTING DUCT SMOKE DETECTOR IN SUPPLY DUCT TO REMAIN.
- 17 NOT USED: PROVIDE CONNECTION TO REGIRG PUMP IN CEILING SPACE AS REQUIRED BY PG. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. PROVIDE SNAP SWITCH POWER DISCONNECT AS REQUIRED.
- 18 REFER TO SHEET E300 FOR STOREFRONT LIGHTING. SHOW WINDOW OUTLETS AND POWER REQUIREMENTS.
- 19 NOT USED: RECEPTACLE FOR CHECKPOINT SYSTEM CONTROL PANEL TO BE LOCATED IN CEILING SPACE. REFER TO DETAIL E500 SERIES. VERIFY EXACT LOCATION ON SITE WITH CHECKPOINT REPRESENTATIVE PRIOR TO ROUGH-IN. VERIFY ALL CHECKPOINT REQUIREMENT WITH VENDOR DRAWINGS.
- 20 NOT USED: CHECKPOINT ANTI-THEFT SYSTEM PEDESTALS SYSTEM TO BE DESIGNED BY VENDOR. REFER TO VENDOR DRAWINGS FOR ADDITIONAL INFORMATION.
- 21 PROVIDE (2) 20A 120V DUPLEX OUTLETS, ONE CENTERED BEHIND EACH 75" VIDEO DISPLAY (SHARED CIRCUIT). PROVIDE 1-GANG RECESSED JUNCTION BOX BEHIND VIDEO DISPLAYS WITH 3/4" CONDUIT UP TO ACCESSIBLE CEILING SPACE. CONDUIT WILL CONTAIN (1) CAT5 CABLE (BY PLAYNETWORK CO.) FOR VIDEO TRANSMISSION FROM BOH, DOWN THROUGH THE ABOVE MENTIONED CONDUIT AND J-BOX. VERIFY OPTIONAL: (2) NETWORK DROPS BEHIND THE VIDEO DISPLAYS (TO PLACE THE DISPLAYS ON THE NETWORK TO ALLOW FOR FUTURE NETWORK REMOTE MANAGEMENT/FIRMWARE UPDATES/SCHEDULING). SEE ARCHITECTURAL DRAWINGS FOR OUTLET HEIGHTS.
- 22 DOOR BELL. VERIFY LOCATION OF PUSHBUTTON PRIOR TO ROUGH IN. CHIMES SHALL BE (1) CONCEALED IN BACKWRAP AND (2) WALL MOUNTED IN BOH. TIE INTO NEAREST 120V CONV. RECEPTACLE CIRCUIT. REFER TO DETAIL ON E400.
- 23 PROVIDE DUPLEX RECEPTACLE. MOUNT HORIZONTALLY AT 12" A.F.F. TO CENTER LINE OF OUTLET. COORDINATE WITH ARCHITECTURAL PLANS.
- 24 PROVIDE A J-BOX WITH 120V CIRCUIT AS INDICATED FOR POWER CONNECTION TO DETEX DOOR ALARM HARDWARE. EAX-2500 SERIES. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
- 25 MOUNT RECEPTACLES HORIZONTALLY PER DETAIL "E"

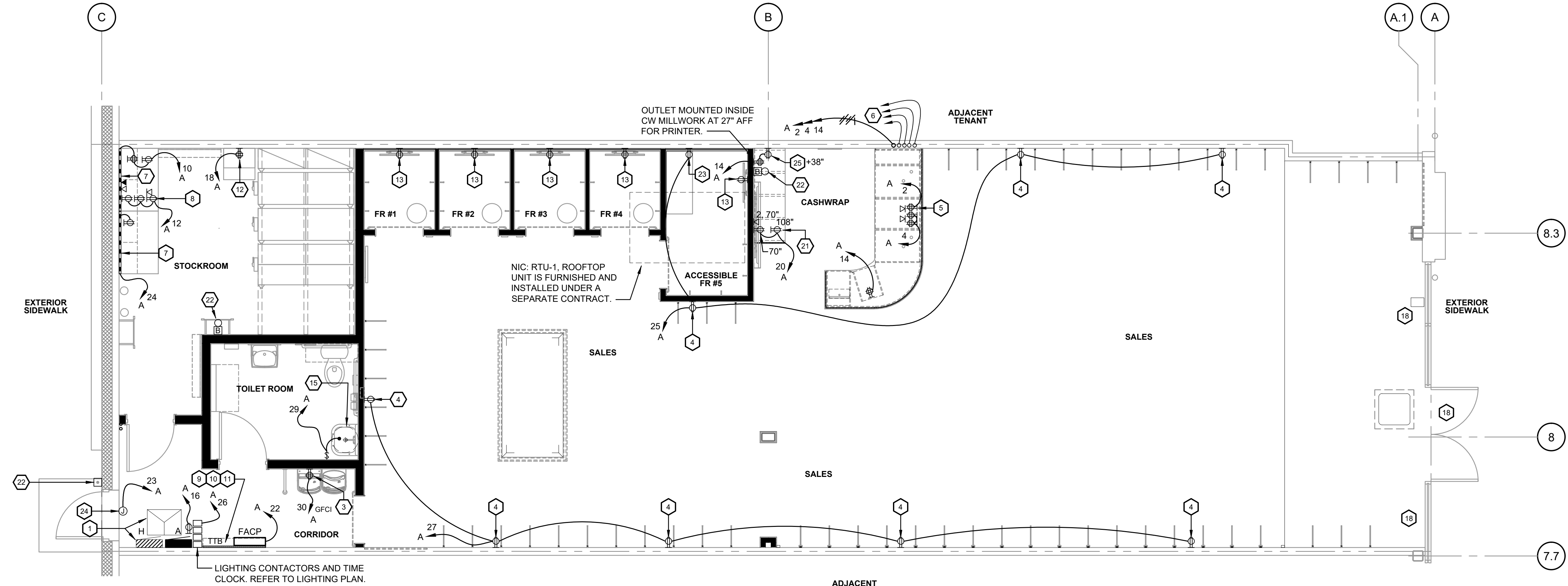


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POWER FLOOR PLAN
SCALE: 1/4"=1'-0"



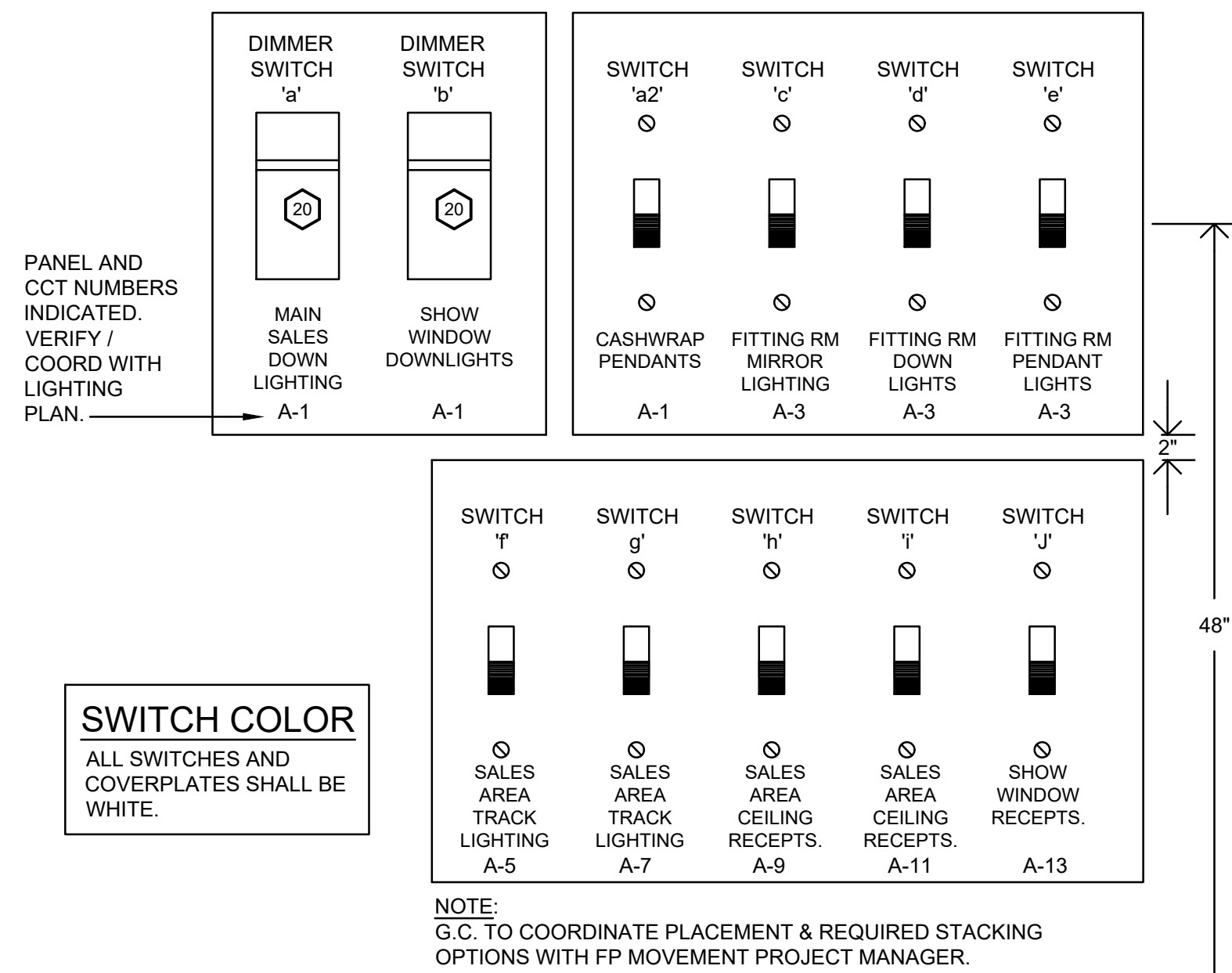
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SHEET TITLE:
POWER FLOOR PLAN

SHEET NO. :
E200



1 MASTER LIGHTING SWITCH BANK
E300 SCALE: NONE

LIGHTING PLAN KEY NOTES

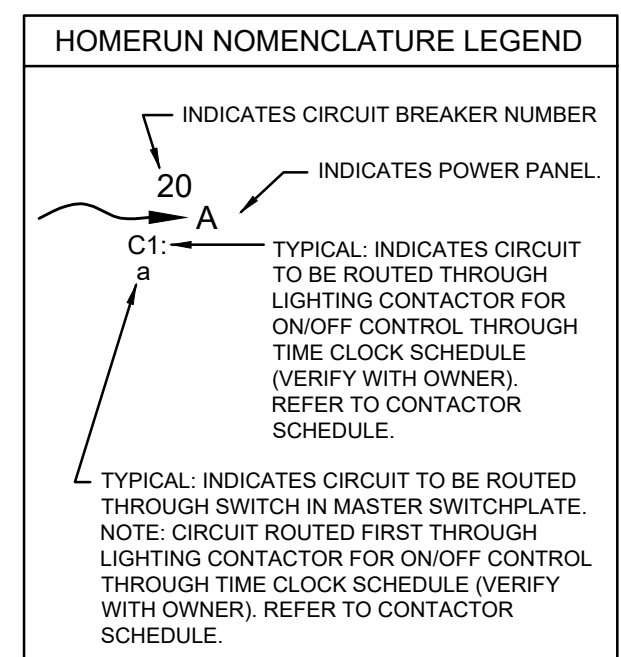
- 1 EXISTING LOCATION OF ELECTRICAL PANEL "H" AND TRANSFORMER SUSPENDED. REFER TO POWER RISER DIAGRAM AND PANELBOARD SCHEDULES ON SHEET E400
- 2 COORDINATE EXACT MOUNTING LOCATION OF ALL EMERGENCY LIGHTS, NIGHT LIGHTS AND EXIT SIGNS WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. CIRCUIT TO PANEL LA CIRCUIT NUMBER 21 (PROVIDE LOCK-ON DEVICE).
- 3 INTEGRAL EMERGENCY LIGHTING BATTERY OF NORMALLY SWITCHED FIXTURE AHEAD OF ALL SWITCHING AND CONTACTORS. LIGHT FIXTURES TO BE NORMALLY SWITCHED. PROVIDE ADDITIONAL UNSWITCHED HOT WIRE IN HOMERUN AND BRANCH CIRCUIT AS REQUIRED.
- 4 LOCATION OF BRICKSTREAM DATA COLLECTION SYSTEM 36" FROM THRESHOLD OF DOOR WITHIN THE STORE. PROVIDE A 3/4" CONDUIT WITH CAT5E CABLE FROM THIS LOCATION TO DATA CABINET.
- 5 PROVIDE CEILING MOUNTED 1/2" CONDUIT WITH CAT 5 CABLE FOR WI-FI.
- 6 RECEPTACLE OUTLET SHALL BE INSTALLED WITHIN 18" OF TOP OF SHOW WINDOW FOR EACH 12 FT OR MAJOR FRACTION THEREOF OF SHOW WINDOW AREA MEASURED HORIZONTALLY AT ITS MAXIMUM WIDTH. CIRCUITS TO BE ROUTED CONTACTOR C3 AND WALL SWITCHES IN STOCKROOM.
- 7 CEILING RECEPTACLE. CIRCUITS TO BE ROUTED THROUGH CONTACTOR AND WALL SWITCHES IN STOCKROOM.
- 8 TSM PROVIDED ITEM. EC SHALL INSTALL JUNO CURRENT LIMITING END FEED FOR TRACK LIGHTING. CIRCUIT TO BEGIN AT THIS TRACK SECTION. CONNECT ALL TRACK SECTIONS OF THE SAME CIRCUIT DOWN STREAM OF THIS TRACK SECTION. PROVIDE ADDITIONAL END FEED ACCESSORIES FOR TRACK AS REQUIRED TO FACILITATE WIRING END TO END AS SHOWN. REFER TO CURRENT LIMITING DEVICE SCHEDULE FOR DEVICE SPECIFICATION.
- 9 NOT USED: FIXTURES WITH REMOTE EMERGENCY BATTERY SHALL BE WIRED AS NORMALLY SWITCHED. MOUNT TEST SWITCH AS DIRECTED BY OWNER IN SITE.
- 10 LOCATION OF LIGHTING SWITCH BANK. LOWER CASE LETTER REPRESENTS LIGHT FIXTURE CIRCUIT CONTROLLED. TYPICAL FOR ALL SWITCHES AND LIGHT FIXTURES LABELED THIS WAY. REFER TO LIGHTING SWITCH BANK DETAIL ON THIS SHEET FOR FURTHER INFORMATION.
- 11 T/C-1: PROVIDE TORK DG200A SERIES TIME CLOCK FOR MASTER CONTROL OF CONTACTORS C1, C2 AND C3. COORDINATE SETTINGS WITH STORE OPERATIONS.
- 12 PROVIDE MULTIPOLE LIGHTING CONTACTORS FOR SPACE LIGHTING. CONTACTORS SHALL BE CONTROLLED BY TIME CLOCK, SEE NOTE 11. REFER TO CONTACTOR SCHEDULE.
- 13 PROVIDE TORK #SS-403 OVERRIDE SWITCH TO PROVIDE 2 HOURS OF "LIGHTS ON" OVERRIDING TIME CLOCK SETTINGS. PROVIDE NAMEPLATE SIGN FOR THIS SWITCH "2 HOUR TIME CLOCK OVERRIDE". WIRED TO TIME CLOCK WHICH IS NOTED IN KEY NOTE #11 PER MFGR DIRECTION.
- 14 REFER TO POWER PLAN E200 FOR RECEPTACLE LOCATIONS FOR MIRROR LIGHTING.
- 15 PROVIDE CLIENT STANDARD WATTSTOPPER CEILING MOUNTED OCCUPANCY SENSOR AND LOW VOLTAGE ON/OFF SWITCH. PENDANT MOUNTED AS REQUIRED IF IN OPEN CEILING LOCATION. BOTTOM TO BE EVEN WITH LIGHT FIXTURES.
- 16 PROVIDE POWER AS REQUIRED FOR EXTERIOR SIGN LIGHTING. REFER TO SIGN LIGHTING VENDOR DRAWINGS FOR ADDITIONAL REQUIREMENTS. JUNCTION BOX TO BE LOCATED FOR ACCESS THROUGH CEILING ACCESS PANEL. PROVIDE SIGN CONNECTION PER N.E.C. ARTICLE 600
- 17 NOT USED: EXISTING LIGHTING AND CONTROLS IN THIS ROOM ARE TO REMAIN.
- 18 TRANSFORMER OR SERVICEABLE PARTS FOR SIGNAGE SHALL BE LOCATED NEARBY CEILING ACCESS PANEL. VERIFY EXACT LOCATION OF CEILING ACCESS PANEL PRIOR TO ROUGH IN.
- 19 PROVIDE DIMMER SWITCH FOR FITTING ROOM DOWN LIGHTING. MOUNT AT 48" TO TOP OF FACE PLATE. DIMMER SWITCH TO BE PROVIDED WITH LIGHTING FIXTURES THROUGH NATIONAL CONTRACT. REFER TO LIGHTING FIXTURE SCHEDULE. REFER TO ARCHITECTURAL FOR EXACT MOUNTING REQUIREMENTS.
- 20 REFER TO MASTER SWITCH BANK DETAIL: PROVIDE DIMMER SWITCH "LUTRON" NOVA T #NTSTV-DV
- 21 PROVIDE WATTSTOPPER PHOTOCELL FOR LIGHTING CONTROL UNDER SKYLIGHT. REFER TO DAYLIGHT CONTROL GENERAL NOTES FOR ADDITIONAL INFORMATION.

LIGHTING PLAN GENERAL NOTES

- 1. ALL LIGHTING FIXTURES AND LAMPS WILL BE FURNISHED BY THE OWNER. THESE ARE RECEIVED, UNLOADED, HANDLED, STORED, PROTECTED, UNCRATED, ASSEMBLED, INSTALLED, WIRED, LAMPED, ETC. BY ELECTRICAL CONTRACTOR.
- 2. MOUNTING TYPES INDICATED FOR EXIT LIGHTS (WALL, CEILING, ETC.) ARE INTENDED TO BE DIAGRAMMATIC ONLY TO INDICATE REQUIRED LOCATIONS. ELECTRICAL CONTRACTOR SHALL PROVIDE SPECIFIC TYPES OF MOUNTING HARDWARE AS REQUIRED BY FIELD CONDITIONS.
- 3. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO DETERMINE THE TYPE OF CONSTRUCTION INTO WHICH EACH LIGHTING FIXTURE WILL BE INSTALLED AND TO FURNISH THE APPROPRIATE MOUNTING HARDWARE AND ACCESSORIES, SUCH AS APPURTENANCES ARE FURNISHED AND INSTALLED FOR ALL LIGHTING FIXTURES WHETHER SUPPLIED BY OWNER OR BY CONTRACTOR.
- 4. EXPOSED RACEWAYS SUPPLYING LIGHTING FIXTURES (AND ALL OTHER ITEMS) SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING WALLS, WHERE OFFSETS, "KICKS", ETC. ARE REQUIRED TO AVOID OBSTACLES ARE REQUIRED. THESE SHALL BE DONE IN A WORKMANLIKE MANNER WITHOUT KINKS, "DOGLEGS", ETC.
- 5. INSTALLATION OF LIGHTING FIXTURES SHALL BE CAREFULLY COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS TO AVOID CONFLICTS WITH DUCTWORK, ARCHITECTURAL FEATURES, ETC. WHERE CONFLICTS ARISE, CLARIFY WITH ARCHITECT PRIOR TO PROCEEDING WITH INSTALLATION.
- 6. BASED ON LIGHTING MANUFACTURERS PUBLISHED DATA, EMERGENCY LIGHTS ARE LOCATED TO PROVIDE ONE (1) FOOT CANDLE ALONG THE MEANS OF EGRESS.
- 7. THIS CONTRACTOR SHALL MEET IN THE FIELD WITH FIRE INSPECTOR TO AIM AND ADJUST EMERGENCY LIGHTS AS HE DEEMS NECESSARY. CONTRACTOR SHALL ADD ADDITIONAL BATTERY LIGHTS AND EXIT SIGNS WERE THE FIRE INSPECTOR SO DESIRES.
- 8. REFER TO LUMINAIRE SCHEDULE ON SHEET E100
- 9. ALL 120 VOLT BRANCH CIRCUITS IN EXCESS OF 7' SHALL HAVE CONDUCTOR SIZE INCREASED A MINIMUM OF 1 CONDUCTOR SIZE. INSTALLING CONTRACTOR SHALL DETERMINE ACTUAL CONDUCTOR SIZE TO BE INSTALLED TO ADHERE TO VOLTAGE DROP REQUIREMENTS.
- 10. LIGHTING SYSTEMS SHALL BE TESTED TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMING AND OPERATION.

DAYLIGHT CONTROL GENERAL NOTES

- 1. THE WATTSTOPPER LIGHTSAVER LS-301 IS A LOW VOLTAGE, INDOOR DIMMING PHOTOSENSOR. IT PROVIDES A CONTINUOUS DIMMING SIGNAL TO 0-10VDC DIMMING BALLASTS. THE LS-301 IS A "CLOSED LOOP" SYSTEM. IT CONSIDERS BOTH DAYLIGHT AND ARTIFICIAL LIGHT WHEN ADJUSTING LIGHT LEVELS. IT USES A SLIDING SETPOINT CONTROL ALGORITHM TO MAINTAIN THE DESIRED ILLUMINANCE LEVELS FOR SEPARATE NIGHT AND DAY TARGET SETPOINTS. THE LS-301 SLOWLY RAISES OR LOWERS THE ELECTRIC LIGHTS TO AVOID SUDDEN CHANGES.
- 2. POSITION THE ARROW ON THE PHOTOCELL TO POINT AWAY FROM THE SKYLIGHT.
- 3. PROVIDE POWER PACK "WATTSTOPPER" BZ-50. LOCATED IN NEAREST ACCESSIBLE CEILING SPACE NEAR POWER PANEL. PROVIDE NAMEPLATE.
- 4. AFTER THE LS-301 IS INSTALLED, ALL ADJUSTMENTS SHALL BE MADE USING THE LSR-301-S REMOTE CONTROL SETUP TOOL.
- 5. CONTRACTOR SHALL PROVIDE REMOTE CONTROL #LSR-301-P TO THE OWNER AND TEACH OWNER HOW TO OPERATE THE SYSTEM.
- 6. DAYLIGHT RESPONSIVE CONTROLS SHALL DIM LIGHTS CONTINUOUSLY FROM FULL LIGHT OUTPUT TO 15 PERCENT OF FULL LIGHT OUTPUT OR LOWER.
- 7. LIGHTS SHALL BE AUTOMATICALLY TURNED OFF WHEN DAYLIGHT IS PRESENT AND SATISFIES THE LIGHTING NEEDS.

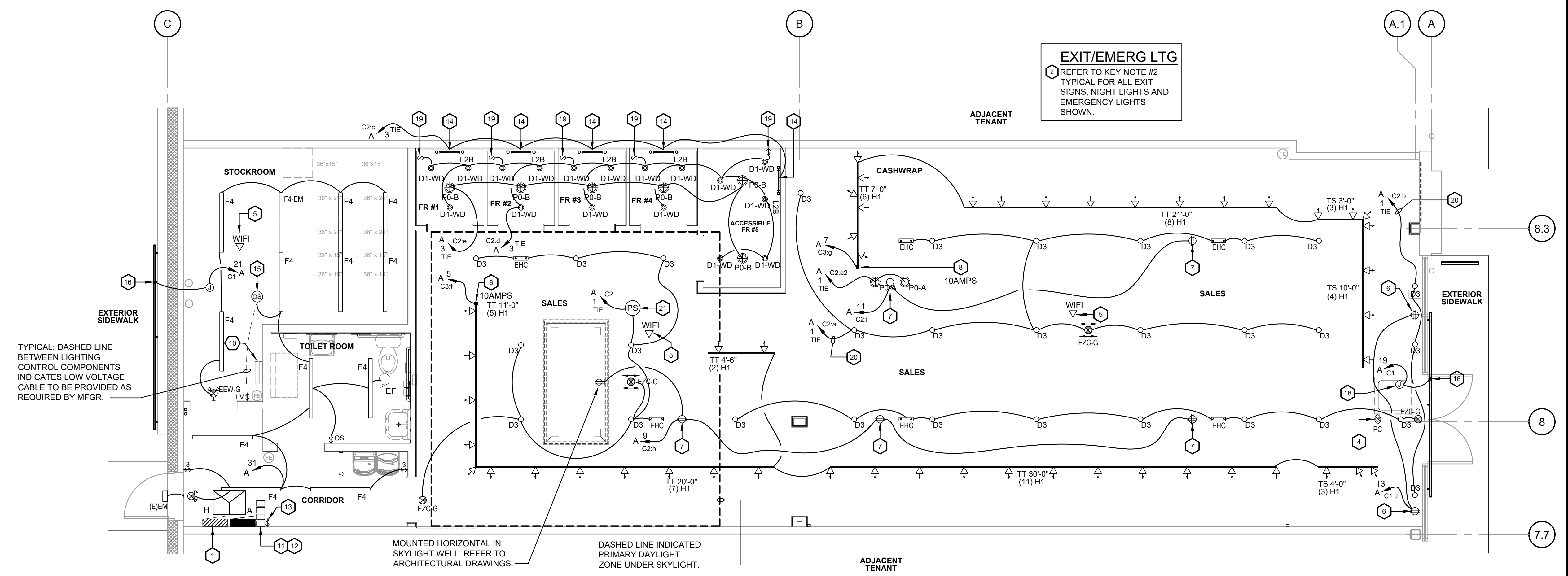


CONTACTOR SCHEDULE

MARK	CONTROLS	T/C CHANNEL	COIL	LINE	POLE	AMP	CIRCUITS CONTROLLED
C1	EXTERIOR SIGN AND SHOW WINDOW RECS	TIME CLOCK CHANNEL 1	120V	120V	4	20	A: 13, 19, 21
C2	GENERAL LIGHTING AND CEILING RECEPTACLES	TIME CLOCK CHANNEL 2	120V	120V	6	20	A: 1, 3, 9, 11
C3	TRACK DISPLAY LIGHTING	TIME CLOCK CHANNEL 2	120V	120V	4	20	A: 5, 7

CURRENT LIMITING DEVICE SCHEDULE

TAG	JUNO CATALOG #	DESCRIPTION	WATTAGE
10A	TCLF11 WH - TCLCB 10A	SINGLE CIRCUIT END FEED CURRENT LIMITING DEVICE	1200



TYPICAL: DASHED LINE BETWEEN LIGHTING CONTROL COMPONENTS INDICATES LOW VOLTAGE CABLE TO BE PROVIDED AS REQUIRED BY MFGR.

MOUNTED HORIZONTAL IN SKYLIGHT WELL. REFER TO ARCHITECTURAL DRAWINGS.
DASHED LINE INDICATED PRIMARY DAYLIGHT ZONE UNDER SKYLIGHT.

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



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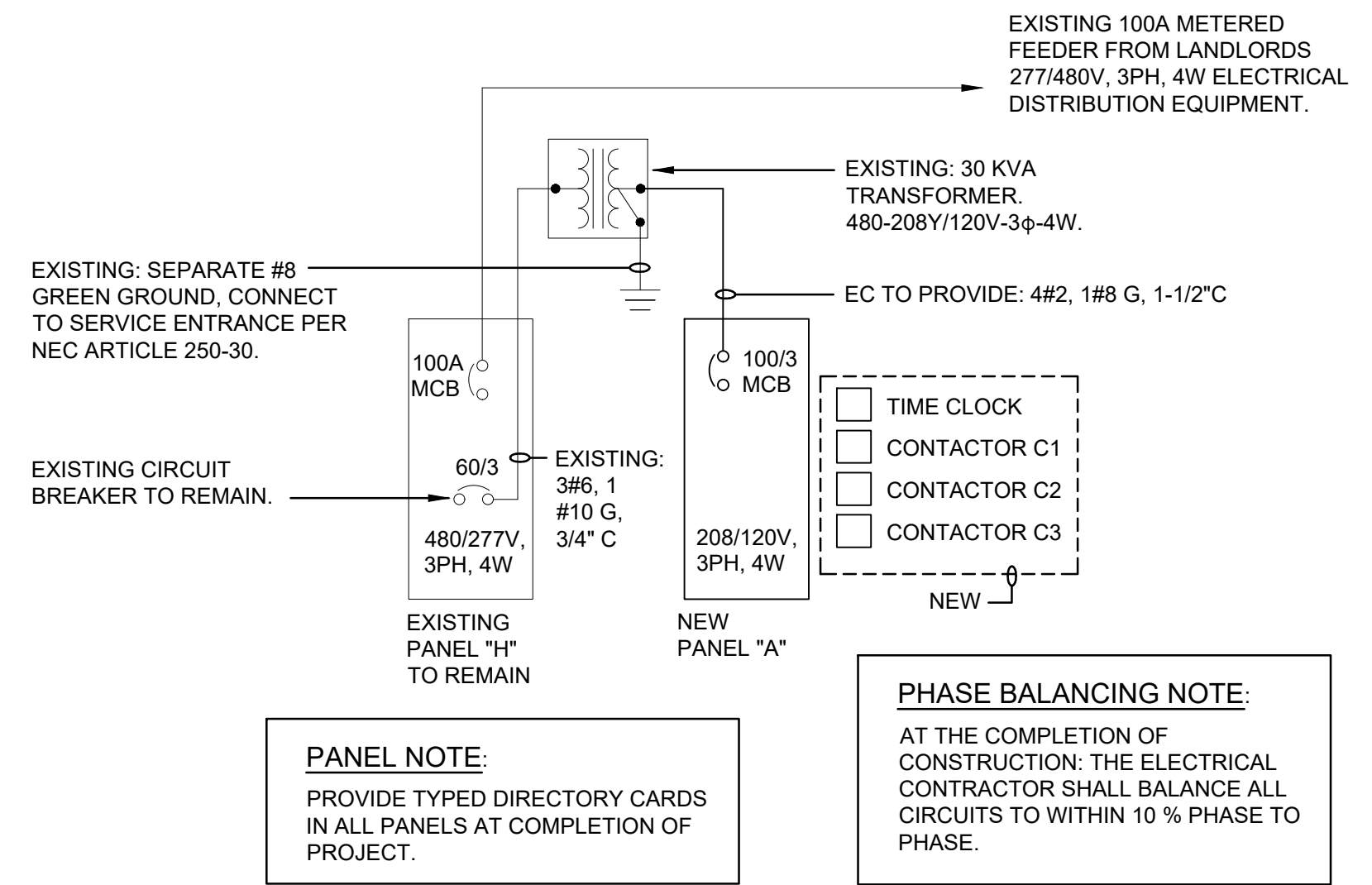
SHEET TITLE:

LIGHTING FLOOR PLAN

SHEET NO.:

E300

PANEL NAME: H		LOAD SUMMARY							KWC PER PHASE			NOTES														
MOUNTING:	SURFACE	LOAD	KWC	D.F.	KWD	AMPS		A	15.7		E = EXISTING LOAD TO REMAIN UNDISTURBED															
VOLTAGE:	480/277V-3ph-4W	LTG	5.8	1.25	7.3			B	14.3		N = NEW CIRCUIT BREAKER TO MATCH EXISTING															
BUS RATING:	100A	REC	9.3	N.E.C.	9.3			C	13.9																	
MAIN:	100/3 MCB	AC	24.9	1.00	24.9																					
A.I.C.	EXISTING	HTG	0.0	0.00	0.0																					
ETR OR NEW	ETR	W. HTR.	1.5	1.25	1.9																					
		MISC.	2.4	1.00	2.4																					
PANEL TO BE FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT		TRACK LTG	1.0	1.25	1.3		CURRENT LIMITING	PER NEC article 220.43, Branch CCT subtracted.																		
		SHOW WIND.	1.9	1.25	2.4		13 LIN FEET																			
		TOTAL	46.9		49.4	59.55																				
CCT	NOTES	DESCRIPTION	KVA						C/B	PHASE	C/B	DESCRIPTION	KVA						NOTES	CCT						
1			LTG	REC	AC	HTG	W.HTR.	MISC				LTG	REC	AC	HTG	W.HTR.	MISC									
3	E	TRANSFORMER / PANEL A	3.28	3.70	0.00	0.00	0.00	0.43	60/3	A	RTU-1			8.30									E		2	
5			1.77	3.96	0.00	0.00	0.00	0.30		B				8.30											4	
7		PROVISION SPACE	0.78	1.62	0.00	0.00	1.50	1.71		C				8.30											6	
9		PROVISION SPACE								A	PROVISION SPACE															8
11		PROVISION SPACE								B	PROVISION SPACE															10
13		PROVISION SPACE								C	PROVISION SPACE															12
15		PROVISION SPACE								A	PROVISION SPACE															14
17		PROVISION SPACE								B	PROVISION SPACE															16
19		PROVISION SPACE								C	PROVISION SPACE															18
21		PROVISION SPACE								A	PROVISION SPACE															20
23		PROVISION SPACE								B	PROVISION SPACE															22
25		PROVISION SPACE								C	PROVISION SPACE															24
27		PROVISION SPACE								A	PROVISION SPACE															26
29		PROVISION SPACE								B	PROVISION SPACE															28
		PROVISION SPACE								C	PROVISION SPACE															30
		TOTALS:	5.84	9.28	0.00	0.00	1.50	2.44					0.00	0.00	24.90	0.00	0.00	0.00				TOTALS:				



480-208Y/120V-3PH-4W POWER RISER DIAGRAM

NOT TO SCALE

PANEL NAME: A		LOAD SUMMARY							KWC PER PHASE			NOTES														
MOUNTING:	SURFACE	LOAD	KWC	D.F.	KWD	AMPS		A	7.4		LO = PROVIDE NEW LOCK ON DEVICE															
VOLTAGE:	208Y/120V-3ph-4W	LTG	5.8	1.25	7.3			B	6.0		a,b,c, etc. = REFER TO MASTER SWITCHPLATE DETAIL															
BUS RATING:	100A	REC	9.3	N.E.C.	9.3			C	5.6		C1, C2, C3 = CIRCUIT ROUTED THROUGH LIGHTING															
MAIN:	100/3 MCB	AC	0.0	0.00	0.0						CONTACTOR. REFER TO SCHEDULE ON E300															
A.I.C.	10,000 A	HTG	0.0	1.00	0.0						GFCI = GFCI CIRCUIT BREAKER 5mA															
ETR OR NEW	NEW	W. HTR.	1.5	1.25	1.9																					
		MISC.	2.4	1.00	2.4																					
PANEL TO BE FURNISHED AND INSTALLED UNDER SEPARATE CONTRACT		TRACK LTG	1.0	1.25	1.3		CURRENT LIMITING	PER NEC article 220.43, Branch CCT subtracted.																		
		SHOW WIND.	1.9	1.25	2.4		13 LIN FEET																			
		TOTAL	22.0		24.5	68.13																				
CCT	NOTES	DESCRIPTION	KVA						C/B	PHASE	C/B	DESCRIPTION	KVA						NOTES	CCT						
1	C2:a.2,b	LTG: SALES AND EM	0.94						20/1	A	20/1	CASH WRAP			0.36											2
3	C2: c,d,e	LTG: FIGHTING ROOMS	0.57						20/1	B	20/1	CASH WRAP			0.72											4
5	C3: f	LTG: TRACK - 1	0.78						20/1	C	20/1	TELEPHONE											0.40	LO		6
7	C3: g	LTG: TRACK - 2	0.59						20/1	A	20/1	SECURITY											0.40	LO		8
9	C2: h	SALES AREA CEILING RECS		1.26					20/1	B	20/1	MANAGERS DESK - 1			0.90											10
11	C2: i	SALES AREA CEILING RECS		0.72					20/1	C	20/1	MANAGERS DESK - 2			0.54											12
13	C1: j	SHOW WINDOW RECEPTACLES		0.72					20/1	A	20/1	CASH WRAP - BACKWRAP RECS			1.26											14
15		SPARE							20/1	B	20/1	REC NEXT TO PANEL			0.18											16
17		SPARE							20/1	C	20/1	DATA EQUIPMENT											0.40	LO		18
19	C1	FRONT SIGNAGE		1.20					20/1	A	20/1	MONITORS			0.46											20
21	C1	BACK SIGNAGE		1.20					20/1	B	20/1	FACP											0.30	LO		22
23	LO	BACK DOOR ALARM						0.01	20/1	C	20/1	RECEIVING DESK POWER			0.36											24
25		SALES AREA DISPLAY RECS - 1		0.90					20/1	A	20/1	TIC CONTROL											0.03	LO		26
27		SALES AREA DISPLAY RECS - 2		0.90					20/1	B	20/1	SPARE														28
29		WATER HEATER					1.50		20/1	C	20/1	DRINKING FOUNTAIN											0.90	GFCI		30
31		LTG: BOH		0.56					20/1	A	20/1	SPARE														32
33		SPARE							20/1	B	20/1	SPARE														34
35		SPARE							20/1	C	20/1	SPARE														36
37		SPARE							20/1	A	20/1	SPARE														38
39		SPARE							20/1	B	20/1	SPARE														40
41		SPARE							20/1	C	20/1	SPARE														42
		TOTALS:	5.84	4.50	0.00	0.00	1.50	0.01					0.00	4.78	0.00	0.00	0.00	2.43				TOTALS:				

480v - 3ph LOAD SUMMARY	
Connected Load - Continuous KVA	
General Lighting	5.84 KVA
Water Heater if NEC 422.13 applies	1.50 KVA
Additional for Track at 150va per 2 feet	1.03 KVA
Current limiting breakers used.	
220-43 Show window lighting at 200W/Lin. Ft.	1.88 KVA
Designed branch circuits are subtracted from KVA indicated.	
Continuous load =	10.24 KVA
Connected Load - Non-continuous KW	
Receipt	9.28 KVA
Misc.	2.44 KVA
HVAC	24.90 KVA
Non-continuous load =	36.62 KVA
125% Continuous + 100% Non-continuous	
Continuous load = 1.25 x 10.24 =	12.80 KVA
Non-continuous load = 1.00 x 36.62 =	36.62 KVA
Min. Service Size =	49.43 KVA
49.43 KVA	
480v - 3 PHASE =	59.55 A
Minimum Electric Service Size =	59.55 A



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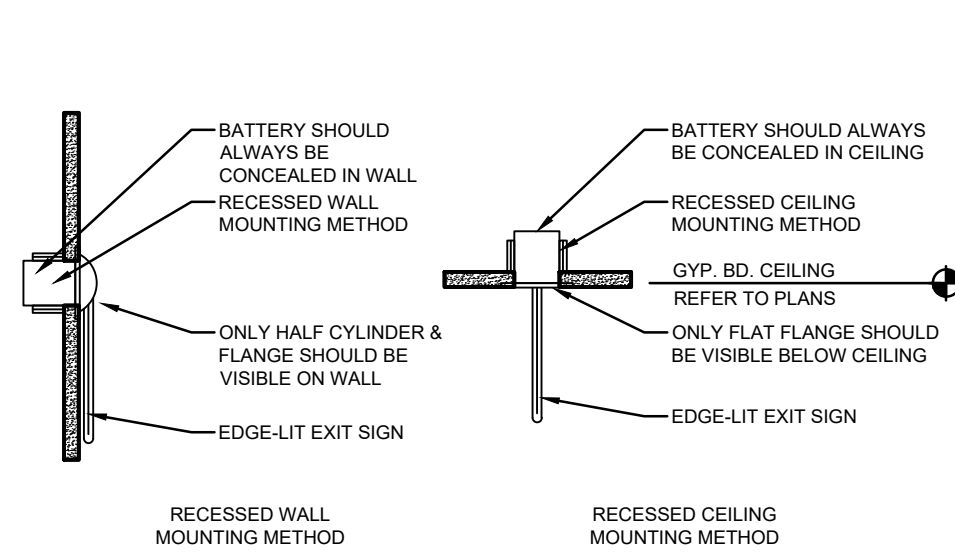
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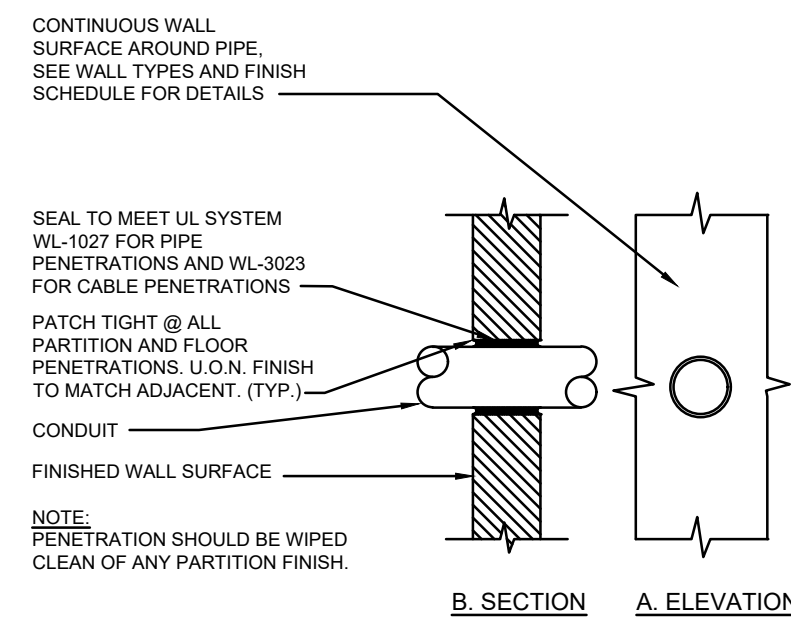
SHEET TITLE :
**POWER RISER
DIAGRAM AND
PANEL
SCHEDULES**

SHEET NO. :

E400

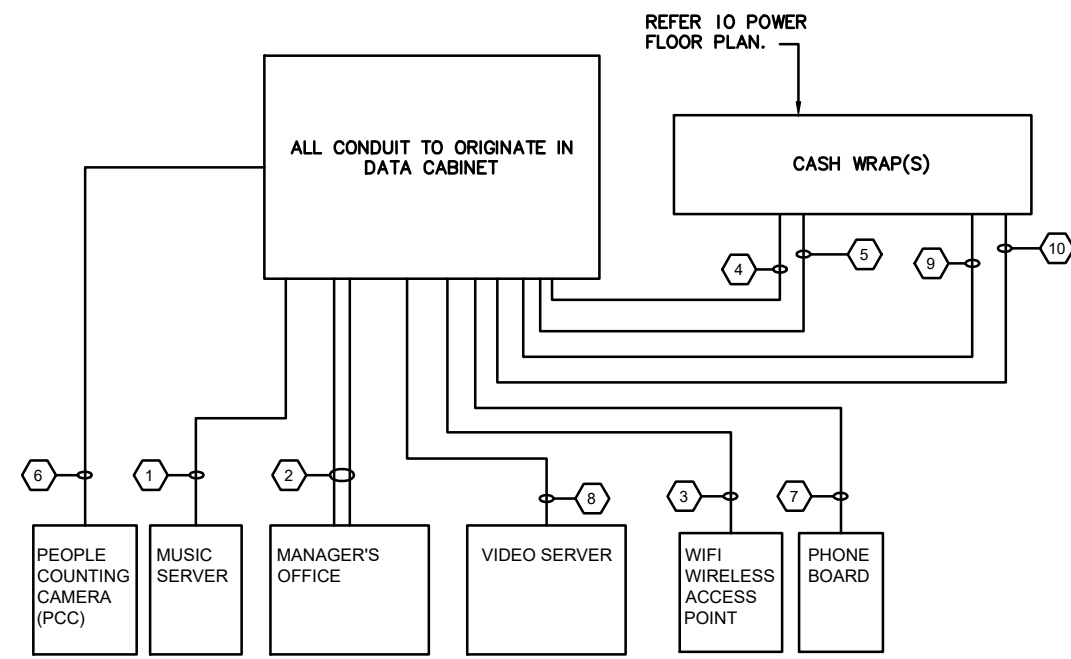


1 RECESSED EDGE-LIT EXIT SIGN DETAIL
E500 SCALE: NONE



2 CONDUIT AT METAL STUD WALL
E500 SCALE: NONE

NUMBER OF DATA OR PHONE OUTLETS/CABLES INDICATED.	MINIMUM SIZE OF EMT CONDUIT REQUIRED. ROUTE CONDUIT TO TTB
1-3	3/4" CONDUIT
3-6	1" CONDUIT
6-9	1-1/4" CONDUIT



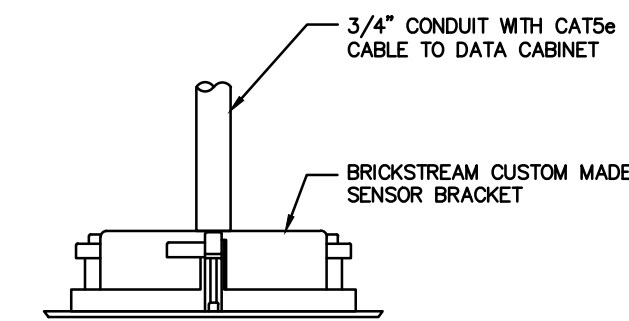
- KEYED NOTES**
- PROVIDE WITH (1) CAT 6 CABLE #1
 - PROVIDE WITH (6) CAT 6 CABLES #2-7
 - PROVIDE WITH (1) X (3) CAT 6 CABLES #8-10
 - PROVIDE WITH (3) CAT 6 CABLES #11-13
 - PROVIDE WITH (3) CAT 6 CABLES #14-16
 - PROVIDE WITH (1) CAT 6 CABLE #17
 - PROVIDE WITH (2) CAT 6 CABLES #18-19
 - PROVIDE WITH (1) CAT 6 CABLES #20
 - PROVIDE WITH (3) CAT 6 CABLES #21-23
 - PROVIDE WITH (3) CAT 6 CABLES #24-26

ALL CABLES TO HAVE:
 • 10' OF SERVICE LOOP AT DATA CABINET
 • 5' OF SERVICE LOOP AT END POINTS

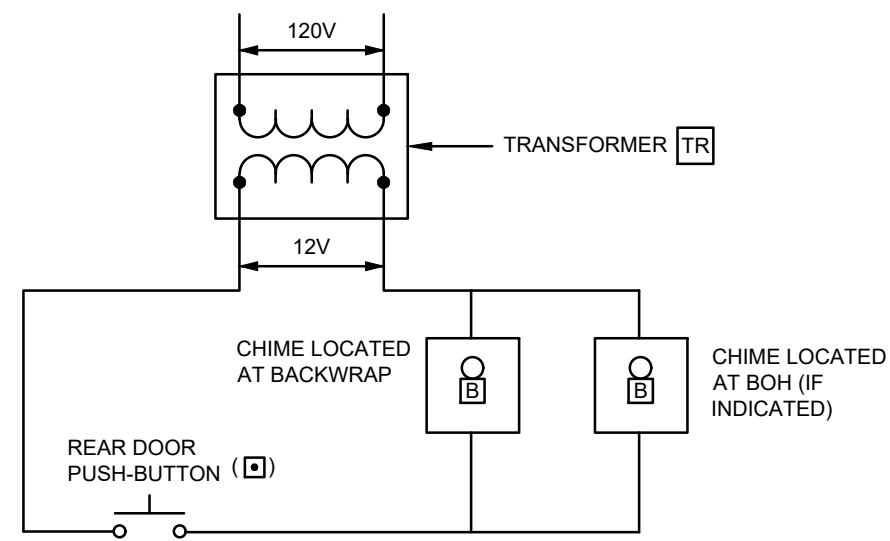
4 TELE/ DATA CONDUIT SCHEMATIC
E500 SCALE: NONE

DATA COLLECTION SYSTEM NOTES:

- BRICKSTREAM 3D SMART DEVICE IS COMPRISED OF A FIXED DATA CAPTURE DEVICE AT THE ENTRANCE TO THE BUILDING. THE SYSTEM IS POWERED ENTIRELY THROUGH A LOW VOLTAGE CAT5E CABLE. NO LINE VOLTAGE POWER IS REQUIRED. ALL INFORMATION COLLECTED IS TRANSMITTED THROUGH THE STORE WI-FI SYSTEM TO AN INTERNET BASED SOFTWARE APPLICATION THAT IS REMOTELY ACCESSED BY THE UOI IT TEAM.
- EC TO PROVIDE A J-BOX BURIED IN THE CEILING 36" FROM THRESHOLD OF DOOR WITHIN THE STORE FOR BRICKSTREAM 3D SMART DEVICE. E.C. TO PROVIDE A 3/4" CONDUIT ABOVE CEILING WITH CAT5E CABLE FROM J-BOX TO MANAGER'S DESK LOCATION. LEAVE A 10 FOOT LONG LOOP AT EACH END. FINAL CONNECTIONS, SYSTEM START UP AND TESTING BY UOI VENDOR.
- ONE 3D SMART DEVICE IS TO BE PLACED AT EACH 7'-6" MAXIMUM WIDE ENTRY SECTION AND IS TO BE MOUNTED 36" FROM THE FACE OF THE ENTRY DOOR(S).
- AT HARD LID CEILING 30'-0" OR LOWER, THE 3D SMART DEVICE SHOULD BE RECESS MOUNTED UTILIZING A CUSTOM MADE BRACKET FOR BRICKSTREAM SENSORS. MOUNTING HOLE DIAMETER FOR BRACKET TO BE 8". SENSOR SHOULD BE ORIENTED SUCH THAT THE LENS ARE TOWARD THE EXTERIOR AND THE LENSES ARE ON THE STORE INTERIOR. LEAVE A 2 METER MAINTENANCE LOOP AT SENSOR END OF CABLE TO ALLOW EASY MAINTENANCE AND INSTALLATION. IT IS IMPERATIVE THAT THE ELECTRONICS FOR THE SYSTEM ARE PROPERLY RECESSED IN THE CEILING.
- ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS WITH VENDOR PRIOR TO ROUGH-IN AND COMMENCEMENT OF WORK.

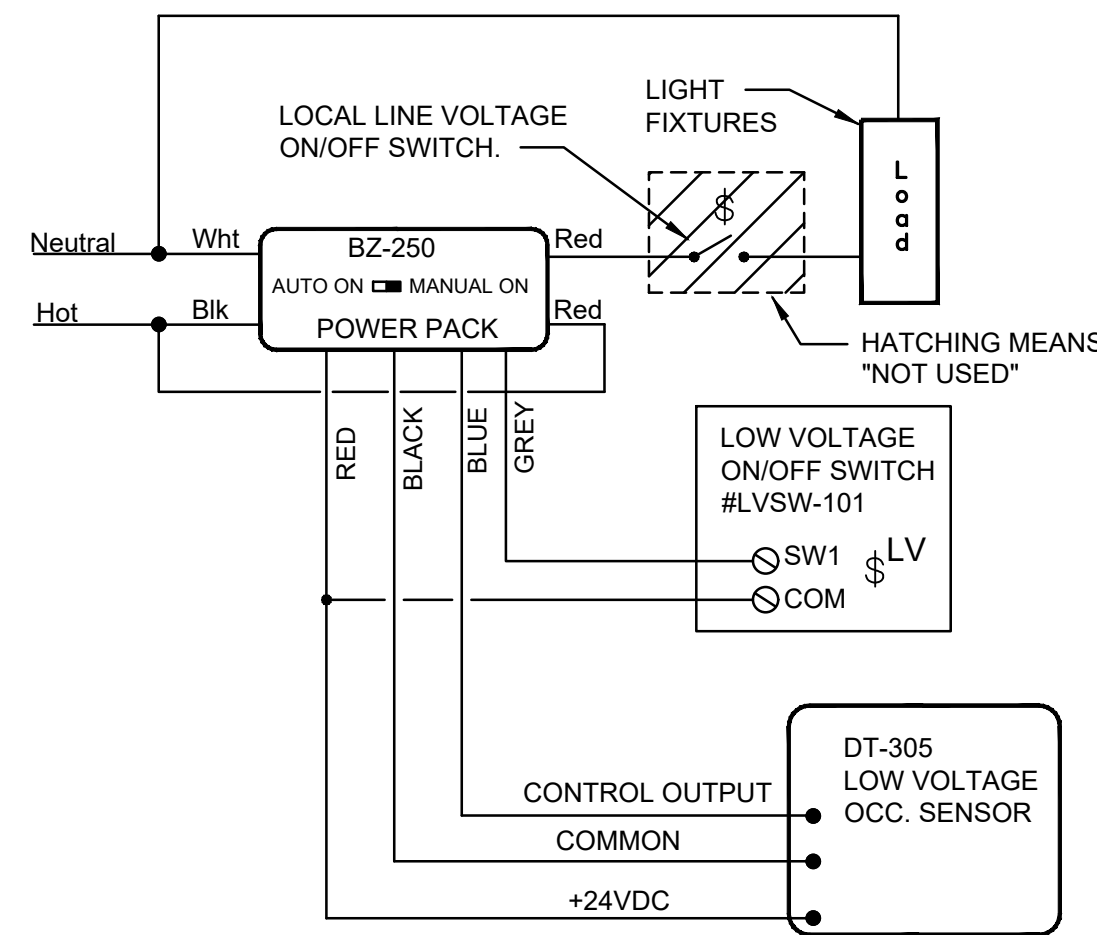


5 DATA COLLECTION SYSTEM
E500 SCALE: NONE



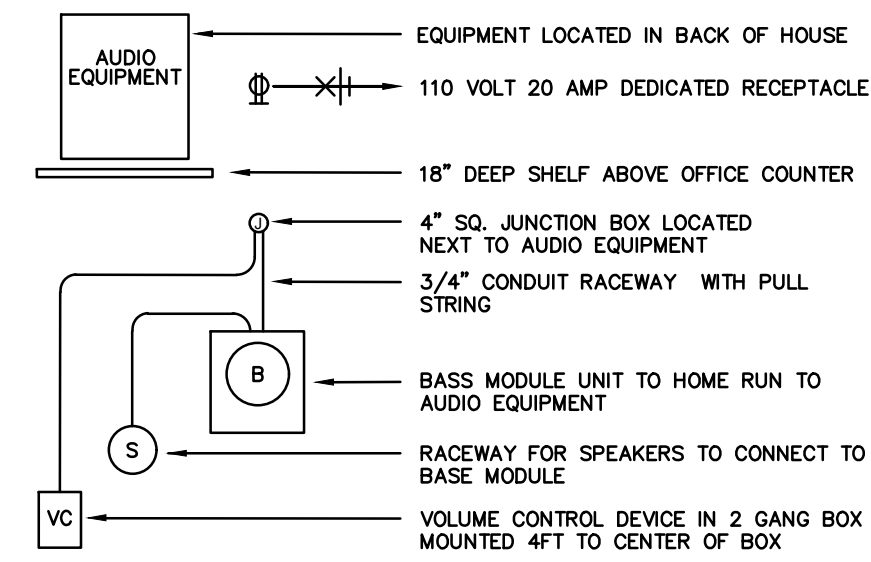
- NOTES:**
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL 120V/12 VOLT TRANSFORMER FOR OPERATION OF REAR DOORBELL. MOUNT TRANSFORMER ADJACENT TO PANEL. TRANSFORMER SHALL BE EDWARDS # 88-250 OR EQUIVALENT.
 - AT REAR DOOR, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A DOORBELL PUSH-BUTTON SURFACE MOUNTED ON OUTSIDE OF ENTRY DOOR. MOUNT PUSH-BUTTON @ 4'-0" AFF OR AS REQUIRED BY LANDLORD. PUSH-BUTTON SHALL BE EDWARDS #600 OR EQUIVALENT.
 - CHIME SHALL BE CONCEALED IN BACKWRAP AND BOH (IF NOTED). EDWARDS # 660 OR EQUIVALENT. CHIME SHALL HAVE WHITE LOUVERED COVER PLATE.

3 DOORBELL DETAIL
E500 SCALE: NONE



ALL DEVICE MODEL NUMBERS ARE FOR WATTSTOPPER MFRGR. EQUIVALENT MFRGR'S = nLIGHT, SENSORSWITCH, LUTRON

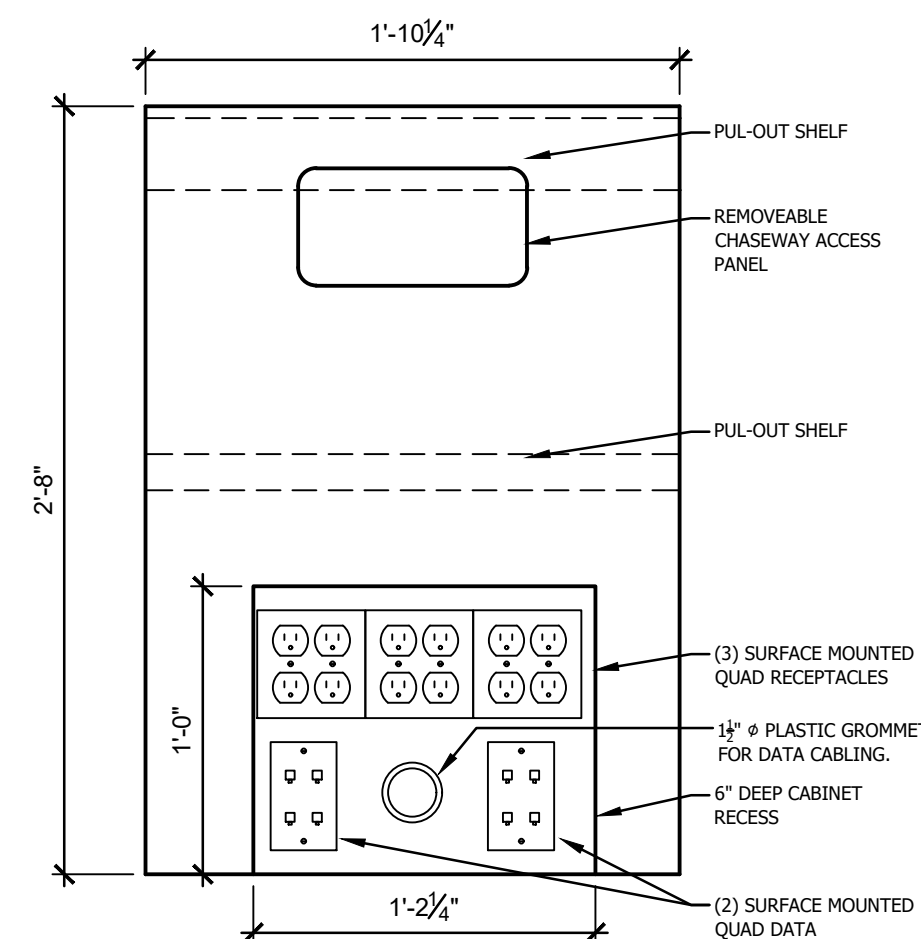
7 OCCUPANCY SENSOR WIRING DIAGRAM
E500 SCALE: NONE



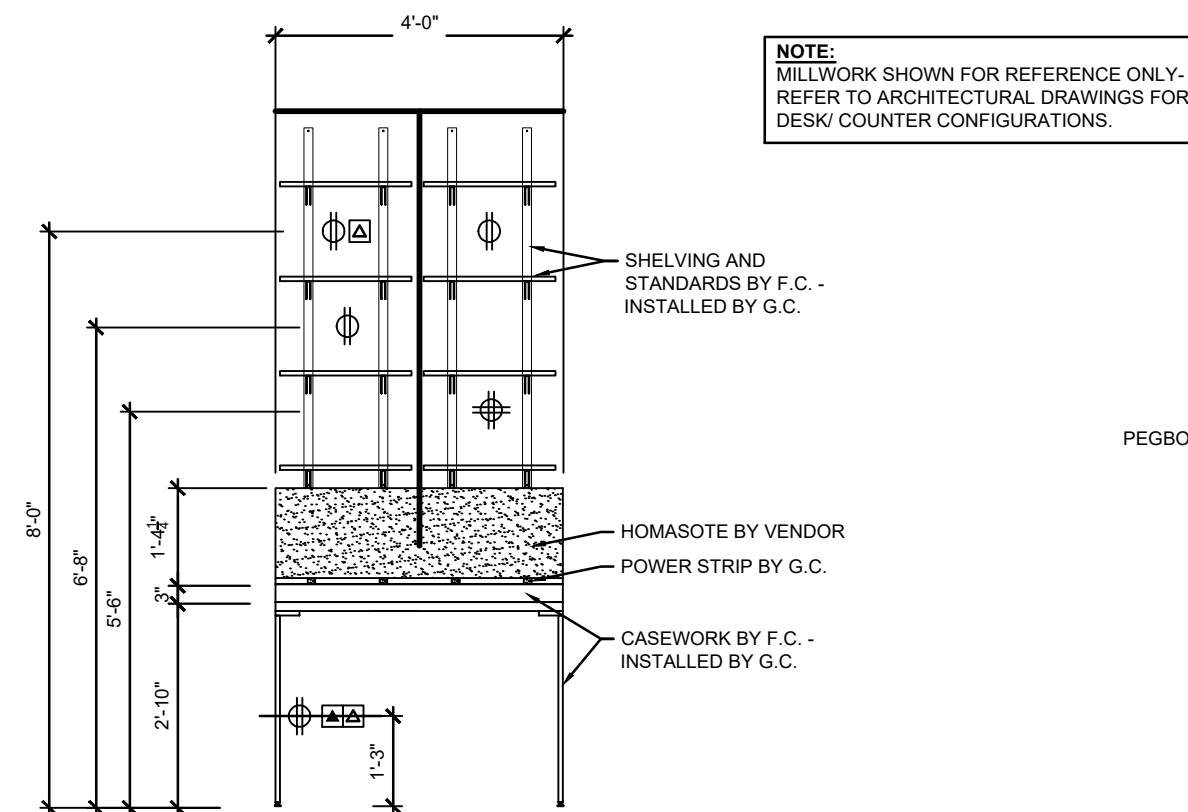
- SOUND SYSTEM NOTES:**
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL NECESSARY RACEWAY SYSTEM FROM SOUND SYSTEM AMPLIFIER TO ALL SPEAKERS. RACEWAYS SHALL BE 3/4" EMT. EACH SPEAKER DOES NOT REQUIRE A SEPARATE "HOME RUN" CONDUIT. INSTALL EMPTY CONDUITS IN A NEAT MANNER WHICH CONNECTS TO EVERY SPEAKER AS SHOWN ON VENDOR'S PLAN.
 - ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL POWER SUPPLY FOR AMPLIFIER AS SHOWN ON PLAN. VERIFY LOCATION, MOUNTING HEIGHT, ETC. WITH SOUND SYSTEM CONTRACTOR.
 - SPEAKER BRACKET AND SPEAKER SHALL BE FURNISHED AND INSTALLED BY SOUND SYSTEM VENDOR.
 - ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL BACK BOXES, TRIM RINGS, CONDUITS AND BUSHINGS FOR SOUND SYSTEM. PROVIDE A COMPLETE AND USEABLE CONDUIT RACEWAY SYSTEM COMPLETE FROM EACH DEVICE TO SOUND SYSTEM RACK AND AMPLIFIER IN OFFICE. WIRING, TERMINATIONS, FURNISHING, AND INSTALLATION OF ALL SPEAKERS AND DEVICES SHALL BE BY SOUND SYSTEM VENDOR. REFER TO SOUND SYSTEM DRAWINGS AND ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION OF ALL DEVICES. CONTRACTOR SHALL HAVE SITE COORDINATION MEETING WITH SOUND SYSTEM VENDOR PRIOR TO ANY ROUGH-IN.

8 SOUND SYSTEM RISER DIAGRAM
E500 SCALE: NONE

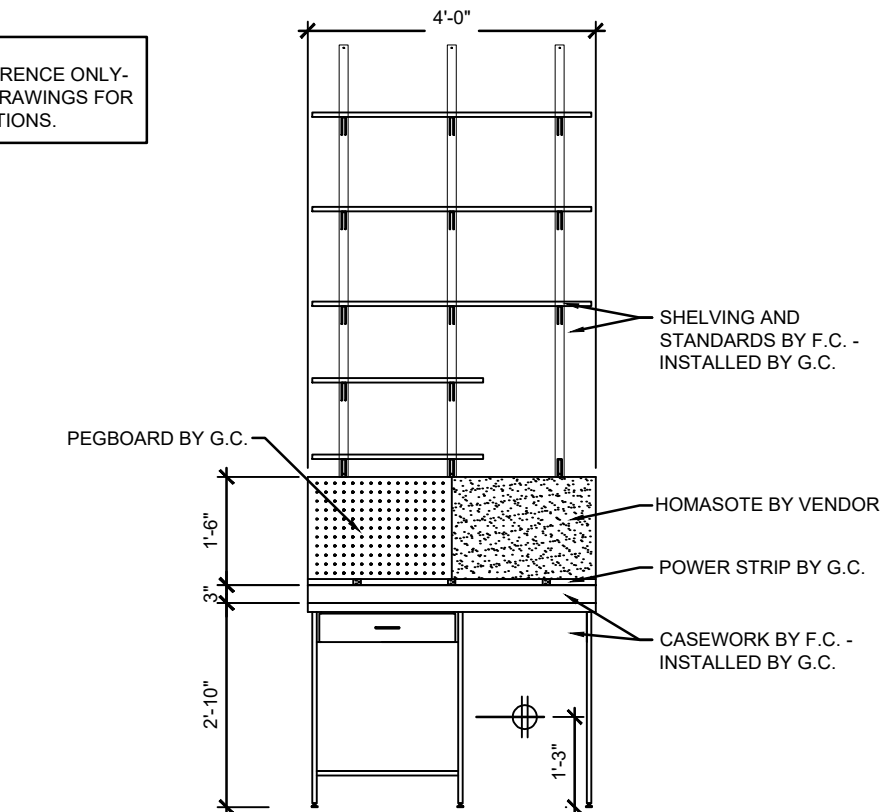
9 NOT USED
E500 SCALE: NONE



13 TYPICAL CASH WRAP UNIT
E500 SCALE: NONE



14 MANAGER DESK ELEVATION- 4'-0\"/>



15 RECEIVING DESK ELEVATION- 4'-0\"/>

11 NOT USED
E500 SCALE: NONE

12 NOT USED
E500 SCALE: NONE



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 3095 SHERIDAN DR.
 AMHERST, NY 14226

DRAWN BY:

TAR

ISSUE / DATE:

ISSUE 1 - CHECK SET

03-14-2025

ISSUE 2 - BID-PERMIT SET

03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :

ELECTRICAL DETAILS

SHEET NO. :

E500

DIVISION 16 - ELECTRICAL SECTION 16010 GENERAL PROVISIONS PART 1 - GENERAL 1.01 RELATED DOCUMENTS A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section. 1.02 DESCRIPTION A. This Section defines the General Provisions which are common to all Sections of Division 16. B. Work Included: 1. All electrical work herein specified and/or shown on Drawings unless noted otherwise. 2. Installation shall be complete from location designated by the Electric Utility Company as point of service connection, to the final connection of motors, fixtures, devices, apparatus or pieces of equipment, unless modified by Drawings or these Specifications. 3. The Electrical Drawings and Specifications shall be understood to cover complete operating system. The Drawings and Specifications are to be taken together. Work specified and not shown, or Work shown and not specified shall be performed or furnished as though mentioned in both Drawings and Specifications. 4. Minor items and accessories reasonably inferred as necessary to the complete and proper operation of any system, shall be provided by this Contractor or Subcontractor for such systems. C. Description of Systems: 1. Complete power wiring to switchboard, panels, motorized equipment, motors, equipment cabinets, and miscellaneous outlets. 2. General wiring for power, lighting, and miscellaneous systems. 3. Materials and equipment for electrical work. 4. Motor and equipment wiring. 5. General and emergency lighting and power systems. 6. Wiring of equipment furnished by others. 7. Motor Starters. 8. Empty conduit system and backboxes for telephone system. 9. Reconnection of all relocated electrical equipment (where applicable). 10. Power and empty conduit system and backboxes for Owners security system. 11. Power and empty conduit system and backboxes for Owners computer/POS system. 12. Power, empty conduit system, backboxes and wiring for Owners CCTV system. 13. Power and empty conduit system and backboxes for Owners sound system. 14. Power and empty conduit system and backboxes for Owners telephone system. 15. Power and empty conduit system and backboxes for Owners Checkpoint EAS system. 16. Fire, smoke, and heat detection system where required by local code authorities. 17. Energy management system. 18. Door bell system. 19. Power and empty conduit system and backboxes for Owners employee timecard system. 20. Temporary Electrical for construction. 21. All other equipment, material, devices, accessories required and/or shown on the Drawings. D. Definitions - As used within the Contract Documents: 1. The term "Contractor" shall be understood to mean the Electrical Contractor or Electrical Subcontractor. 2. "Circuitry" shall mean any electric work (not limited to light and power distribution) which consists of wires, cables, Drawings as is necessary to make the work of this Contractor conform to the building as constructed and to fit the work of other trades shall be included in Contractor's Contract and installed without extra cost. 3.02 FIELD QUALITY CONTROL A. Testing: 1. After wires are in place and connected to devices and equipment, the system shall be tested for shorts and grounds. 2. All hot wires, if shorted or grounded, shall be removed and replaced. A voltage test shall be made at the last outlet on each circuit. If drop in potential is excessive, Contractor will be required to correct the condition by locating partly grounded conductor or high resistance splice. 3. All grounds, shorts and high resistance splices shall be rectified. 4. Any wiring device, electrical apparatus or lighting fixture furnished under this Contract, if grounded or shorted on any integral "live" part, shall be removed and the trouble rectified by replacing all defective parts or materials as directed. 5. Service ground to be tested per National Electrical Code requirement. Grounding pole of all receptacles to be tested. 6. All motors shall be tested under load with ammeter readings taken in each phase, and the RPM of motors recorded at the time. All motors shall be tested for correct direction or rotation. Electrical Contractor shall be responsible for testing running of all motors and shall verify that proper overvoltage devices have been installed. 7. All meters, instruments, cable connections, equipment or apparatus necessary for making all tests, shall be furnished by this Contractor at his own expense. 8. Contractor shall submit proof of all tests to the Architect before final acceptance of the work. 3.03 ADJUST AND CLEAN A. Cleaning Equipment, Completed Work and Premises: After the completion of all installations, each system shall be thoroughly cleaned to remove all paint, oil and other foreign material. Contractor shall also clean all foreign paint, grease, oil, dirt, labels and stickers, etc., from all fixtures, equipment, etc. The Contractor shall remove all rubbish, debris, etc., accumulated from his operations from the premises. B. Demonstration: At the conclusion of the work and before final contract payment is made demonstrate and explain to the Using Agency's personnel, the function, operation and maintenance of all equipment and systems installed by this Division of the work and provide a copy of all tests performed. C. Protect all equipment and systems against harmful exposures to, or accumulations of dust and moisture, flooding, corrosion or other forms of damage and clean and restore damaged finishes as may be required to place installations in a "like-new" condition before acceptance by the Architect. 3.04 SCHEDULES A. Equipment Schedules: See Drawings for schedules of lighting fixtures, motor and equipment connections, switchboard, panelboards, distribution equipment, and related items. 3.05 APPROVALS A. Obtain all permits and approvals from the governing bodies which have jurisdiction over this project. 3.06 IDENTIFICATION AND TAGGING A. Provide all distribution switches and/or circuit breakers, starters, etc., whether individually mounted in panelboards, switchboards, etc., with suitable identification. The designation, using proper nomenclature, shall indicate the load served. Provide all feeders with suitable identification as to their designation in all junction boxes, pull boxes, gutter spaces through which they pass, and at their terminal points of connection. Identification of distribution switches or circuit breakers in panelboards shall be by means of panelboard directories. Identification of distribution switches or circuit breakers and starters individually mounted or in switchboards shall be by means of engraved lamacolor nameplates permanently fastened on the front face of the housing, showing 1/4" high white lettering on a black background. Identification of feed cables shall be by means of engraved fiber tags suitably fastened to the cables. 3.07 SLEEVES A. Provide coring in walls and floor slabs for the passage of all conduits, pipes and ducts installed. B. Cored holes in floor shall be provided with sleeves extended one inch above finished floor level and made watertight. 1.06 EXAMINATION OF THE SITE A. All Contractors submitting proposals for this work are requested to visit the existing site. Failure to visit the existing site will in no way relieve the successful bidder from the necessity of furnishing any materials or performing any work that may be required to complete work in accordance with Drawings and Specifications without additional cost to the Owner.

1.07 PRODUCT DELIVERY, STORAGE, AND HANDLING A. Exercise care in transporting and handling to avoid damage to fixtures, equipment and materials. B. Store materials on the site so as to prevent damage. C. Keep fixtures, equipment and materials clean, dry and free from deleterious conditions. D. Where items of electrical equipment and/or materials are furnished by others for installation by Electrical Contractor, Electrical Contractor will be held responsible for the unloading of such equipment and/or materials from the delivery truck. He shall check equipment and/or materials upon receipt and notify party furnishing item of any damaged or missing equipment. He shall coordinate installation with Contractor providing equipment. 1.08 GUARANTEE A. Provide one year guarantee for all fixtures, equipment, materials and workmanship, upon final acceptance by Owner. PART 2 - PRODUCTS 2.01 MATERIALS A. Refer to individual Sections of Division 16. PART 3 - EXECUTION 3.01 INSTALLATION/APPLICATION/PERFORMANCE/ERECTION A. Excavating and Backfilling: 1. The Electrical Contractor shall do all excavating and backfilling required for the installation of his work requiring excavation. He shall also do all sheathing and bracing required for the installation of his work. He shall provide and operate pumping equipment, if required, to keep the trenches free of standing water. All work shall comply with requirements given in Section 02200. 2. The above shall include all excavation of every character, including rock, if encountered. Contractor shall visit the premises and determine for himself, by actual observation, boring, or other means, the nature of the soil conditions. The cost of all such inspections, boring, etc., shall be borne by the Contractor. 3. All excavations are to be so conducted that no walls or footings shall be disturbed or injured in any way. 4. Remove all surplus earth not needed for filling and dispose of same as specified under architectural division of work. 5. All backfilling shall be thoroughly tamped and settled in a manner as is proper for the particular type of work. 6. Where it is necessary to install work in or across roads, pavements, curbs, sidewalks, etc., this Contractor shall restore the present construction to its original or better condition if disturbed by his operation at no additional cost to the Owner. B. Application, Installation: 1. In the event that conflicts, if any, cannot be settled rapidly and amicably between the affected trades, with work proceeding in a workmanlike manner, then the Architect/Engineer shall decide which work is to be relocated and his judgement shall be final and binding on this Contractor. 2. No measurements of a Drawing by scale shall be used as a dimension to work by. The Drawings are not intended to show complete or accurate details of the building in every respect. Exact locations and relations are to be defined in the field and shall be satisfactory to the Architect/Engineer. This Contractor shall take all field measurements and shall be responsible therefore. 3. Compare Drawings and Specifications, checking all measurements and determine intent of Contract Documents. Discrepancies shall be brought to the Architect/Engineer's attention for interpretation prior to any installation. 4. The right is reserved to make any reasonable change in location of outlets and equipment prior to roughing-in without involving additional expense. Any change from the Electrical Drawings as is necessary to make the work of this Contractor conform to the building as constructed and to fit the work of other trades shall be included in Contractor's Contract and installed without extra cost. 3.02 FIELD QUALITY CONTROL A. Testing: 1. After wires are in place and connected to devices and equipment, the system shall be tested for shorts and grounds. 2. All hot wires, if shorted or grounded, shall be removed and replaced. A voltage test shall be made at the last outlet on each circuit. If drop in potential is excessive, Contractor will be required to correct the condition by locating partly grounded conductor or high resistance splice. 3. All grounds, shorts and high resistance splices shall be rectified. 4. Any wiring device, electrical apparatus or lighting fixture furnished under this Contract, if grounded or shorted on any integral "live" part, shall be removed and the trouble rectified by replacing all defective parts or materials as directed. 5. Service ground to be tested per National Electrical Code requirement. Grounding pole of all receptacles to be tested. 6. All motors shall be tested under load with ammeter readings taken in each phase, and the RPM of motors recorded at the time. All motors shall be tested for correct direction or rotation. Electrical Contractor shall be responsible for testing running of all motors and shall verify that proper overvoltage devices have been installed. 7. All meters, instruments, cable connections, equipment or apparatus necessary for making all tests, shall be furnished by this Contractor at his own expense. 8. Contractor shall submit proof of all tests to the Architect before final acceptance of the work. 3.03 ADJUST AND CLEAN A. Cleaning Equipment, Completed Work and Premises: After the completion of all installations, each system shall be thoroughly cleaned to remove all paint, oil and other foreign material. Contractor shall also clean all foreign paint, grease, oil, dirt, labels and stickers, etc., from all fixtures, equipment, etc. The Contractor shall remove all rubbish, debris, etc., accumulated from his operations from the premises. B. Demonstration: At the conclusion of the work and before final contract payment is made demonstrate and explain to the Using Agency's personnel, the function, operation and maintenance of all equipment and systems installed by this Division of the work and provide a copy of all tests performed. C. Protect all equipment and systems against harmful exposures to, or accumulations of dust and moisture, flooding, corrosion or other forms of damage and clean and restore damaged finishes as may be required to place installations in a "like-new" condition before acceptance by the Architect. 3.04 SCHEDULES A. Equipment Schedules: See Drawings for schedules of lighting fixtures, motor and equipment connections, switchboard, panelboards, distribution equipment, and related items. 3.05 APPROVALS A. Obtain all permits and approvals from the governing bodies which have jurisdiction over this project. 3.06 IDENTIFICATION AND TAGGING A. Provide all distribution switches and/or circuit breakers, starters, etc., whether individually mounted in panelboards, switchboards, etc., with suitable identification. The designation, using proper nomenclature, shall indicate the load served. Provide all feeders with suitable identification as to their designation in all junction boxes, pull boxes, gutter spaces through which they pass, and at their terminal points of connection. Identification of distribution switches or circuit breakers in panelboards shall be by means of panelboard directories. Identification of distribution switches or circuit breakers and starters individually mounted or in switchboards shall be by means of engraved lamacolor nameplates permanently fastened on the front face of the housing, showing 1/4" high white lettering on a black background. Identification of feed cables shall be by means of engraved fiber tags suitably fastened to the cables. 3.07 SLEEVES A. Provide coring in walls and floor slabs for the passage of all conduits, pipes and ducts installed. B. Cored holes in floor shall be provided with sleeves extended one inch above finished floor level and made watertight.

3.08 PAINTING A. All equipment, panelboards, switchboards, etc., shall be factory finished in baked enamel or lacquer, or as specified. Standard factory finishes shall be approved. Any scratches shall be neatly touched up by the installing Contractor. B. All metal work installed by this Contractor exposed to the weather and not factory finished shall be painted with two coats of oil paint of color selected by Architect. C. All finish painting shall comply with the Painting Section of the Specifications. 3.09 CUTTING AND PATCHING A. Perform all cutting and patching required to complete the Work, except where specifically shown on the Architectural or Structural Drawings. B. Refer to Section 01070 for additional requirements. 3.10 TEMPORARY ELECTRICAL SERVICE A. The electrical contractor shall provide temporary electrical wiring for construction use as follows: 1. Temporary service entrance and feeder as required with a fused main disconnect. 2. The electrical contractor shall provide temporary lighting and power throughout the space as required for construction use. 3. Contractor shall utilize existing electrical utilities where ever feasible. 3.11 STRUCTURAL CONDITIONS: A. Notching and boring of structural members will not be permitted. If any conduit, boxes, etc need to be hung from structural steel, only hang from top flange of beams and top chords, and only panel points of joists and trusses. SECTION 16100 BASIC MATERIALS AND METHODS PART 1 - GENERAL 1.01 DESCRIPTION A. This section defines the Basic Material and Methods which are common to all Sections of Division 16. PART 2 - PRODUCTS 2.01 MATERIALS A. Conduit: 1. Electrical Metallic Tubing: EMT, "Thin wall" conduit shall in general be utilized where permitted by Code except where described herein. 2. Heavy-wall steel conduit shall be either hot dipped galvanized or sherardized. 3. Flexible conduit shall be Greenfield type except, where exposed to oil, grease, or water - then conduit shall be Sealite. 4. Conduit Fittings: a. Rigid & IMC: Threaded. b. Thin-Wall: Compression Type. c. Flexible: Connectors shall be compatible with flexible conduit used. 5. Conduit shall be as manufactured by Allied, National Electric, Republic or Triangle. 6. Flexible liquid tight conduit as manufactured by Anaconda, Simplex, or International Metal Hose. 7. Minimum conduit size is 3/4". Contractor shall utilize larger conduits where required and/or specified. B. Wires and Cables: 1. All wire shall be type THHN/THWN copper. 2. Wire smaller than # 10 shall be solid; # 10 and larger, stranded. 3. Where light fixtures are wired in continuous runs, wire pulled through fixtures shall be type SF2. 4. Final connections to heating equipment where shown, type SF2. 5. Cable and wire shall be as manufactured by Alcoa, Anaconda, General Cable, Triangle, Simplex, Hatfield, Bell, Alpha, and Coleman Cable and Wire. C. Color Coding: Color coding shall be used throughout the entire electrical system: For 120/208V, 3PH, systems 1. "A" Phase - Black - all gauges. 2. "B" Phase - Red - through #6. Larger black with phase markers. 3. "C" Phase - Blue - through #6. Larger black with phase markers. 4. Neutral - White - through #6. Larger black with phase markers. 5. Grounding Wire - Green, insulated. 6. Isolated Ground wire - Green with yellow stripe 7. Control Wire - Colors other than above. For 277/480V, 3PH, systems 1. "A" Phase - Brown - through #6. Larger black with phase markers. 2. "B" Phase - Orange - through #6. Larger black with phase markers. 3. "C" Phase - Yellow - through #6. Larger black with phase markers. 4. Neutral - Grey - through #6. Larger black with phase markers. 5. Grounding Wire - Green, insulated. 6. Isolated Ground wire - Green with yellow stripe 7. Control Wire - Colors other than above. D. Wire Pulling Lubricant: Use of wire pulling lubricant is optional; but, if needed to prevent damage to the conductors, it must be listed by Underwriters Laboratories and be of such consistency that it will leave no obstruction or tackiness that will prevent pulling out old wires or pulling in new wires or additional wires. E. Electrical Connections, Terminals and Splicing shall be in accordance with Section 110-14 of the NEC. Connection materials and equipment must be given special attention when using dissimilar metal conductors, etc. F. Outlet, Pull and Junction Boxes: 1. Boxes shall be 12 gauge or heavier steel, sherardized or galvanized to prevent rusting and shall have readily removable knockouts. 2. Pull boxes and pull fittings shall be accessible with removable covers secured with machine screws. 3. Junction boxes shall be minimum 4" square or octagon, not less than 2" deep, deeper if required by the number of wires or construction, with appropriate covers. Provide with 3/8" stud where lighting fixture is suspended from box. 4. All switch and receptacle outlets shall be equipped with minimum 4" box. Gang boxes shall be provided where groups of switches occur. All boxes shall be equipped with proper raised covers, mounted at heights shown on Drawings, or as directed. The approximate location of outlet boxes is shown on the Drawings, but care shall be taken to install all outlets with proper relation to equipment or material to be installed by other trades. Special outlets shall have proper boxes to accommodate special equipment. Outlet boxes in masonry shall be or proper depth to allow conduit to be installed without cutting of shell of blocks, etc. 5. Outlet boxes shall be as manufactured by Appleton, Steel City, Raco or Crouse-Hinds. 6. Boxes for all exterior conduit, or conduit mounted in exterior walls, shall be cast iron boxes, type "FS" or "FD", as manufactured by Crouse-Hinds, Appleton, Pyle National, Or Killark and provided with gasketed watertight covers. Fittings shall be pull type with gasketed covers. 7. Flush floor boxes in above grade floors shall be shall be Hubbell # B2529 series steel shallow floor box with # SF3925 Brass Duplex flap cover. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components. 8. Flush floor boxes in floors in contact with earth shall be shall be Hubbell # B2524 cast iron series shallow floor box with # SF3925 Brass Duplex flap cover with integral carpet flange. Provide S3925 where carpet flange is not required. Provide all necessary trim and adjustment components. 9. Flush mounted poke through devices shall be Hubbell # PT7FSDBRS2A with standard prewired duplex receptacle and brass duplex flap cover with carpet flange. Utilize Hubbell # PT71GFSDBRSA with isolated ground prewired duplex receptacle and brass duplex flap cover with carpet flange. 10. Utilize one piece poke through device with single 3/4" knockout for cashwrap power feeds where appropriate. Provide Hubbell # PT7FFSDGY. Utilize large capacity poke through device with single 2" knockout for cashwrap low voltage feeds where appropriate. Provide Hubbell # PT2FIT with adapter from 2" knockout to 1 1/4" conduit.

G. Disconnect Switches: 1. Switches shall meet NEMA enclosed switch standards KS1, current edition. Switches shall be quick-make, quick-break so that operation of the contacts shall not be capable, during normal operation of the switch, of being restrained by the operating handle after the opening or closing of the contacts has started. 2. All safety switches shall be heavy duty of voltage matching equipment served, NEMA 1 for indoor use and NEMA 3R for outdoor use. All switches shall utilize 75 C terminations. Switches shall be as manufactured by Cutler Hammer, General Electric, Square D, or Siemens ITE. H. Fuses: Furnish and install all fuses. Fuses shall be Bussman "Fusetron", dual element, current limiting type, unless specifically noted otherwise. I. Switches: 1. Except where otherwise specified, wall switches shall be mounted in suitable outlet boxes in the walls, partitions, or as shown on Drawings. 2. Wall switches shall be located as indicated on the Drawings, arranged singly or in gangs and at the height specified or indicated and shall have proper covers with finishes specified herein. Switches shall be as follows unless otherwise called for on Drawings or hereinafter specified. (Contractor shall check architectural drawings for additional information.) a. Light switches shall be toggle 20amp, 120/277 Volt Specification grade. b. SPST Hubbell #1221; P & S #20AC1; Leviton #1221 c. 3-way Hubbell #1223; P & S #20AC3; Leviton #1223 d. 30A-SFST (Motor Disconnect); Hubbell #3031; P & S #30AC1; Leviton #3031; Coordinate location with mechanical trades. 3. Verify door swings before installing switchboxes and install the boxes on the latch side of the door unless otherwise directed by the Architect. 4. Color of ALL OUTLETS AND SWITCHES AND PLATES shall be WHITE. J. Receptacles: 1. Receptacle shall be located as shown on the Drawings and at the heights specified or indicated. Receptacle and power outlets shall be of the grounding type and as manufactured by Hubbell, Pass & Seymour, or Leviton. 2. Duplex Convenience Receptacles: 20A, 2 Pole, 3 Wire, 125 Volt, (NEMA designation: 5-20R) Specification Grade. a. Pass & Seymour #5362 b. Leviton # 5362 c. Hubbell # 5362 3. Special Receptacles and Floor Boxes: As indicated on Drawings. 4. Color of ALL OUTLETS AND SWITCHES AND PLATES shall be WHITE 5. Ground fault circuit interrupter to be provided for receptacles outdoors, in toilet rooms, and within 6' of sinks. K. Switch and Receptacle Plates: 1. Plates for switches and receptacles shall be thermoplastic type and of finish to match outlet or device. 2. Provide multigang or combination plates for devices grouped in gang or combination. 3. Provide plate with separate spring type cover for each outlet of waterproof duplex receptacles mounted on FA or FD box. All outdoor plates shall be weatherproof white in use type. 4. Color of ALL OUTLETS AND SWITCHES AND PLATES shall be WHITE. L. Circuit Breakers: 1. All circuit breakers serving lighting fixtures shall be switch rated "SWIR". 2. Circuit breakers shall be as manufactured by Cutler Hammer, Square D, General Electric or Siemens ITE. Where existing equipment is being utilized, new circuit breakers shall be provided of type, size, manufacturer and AIC rating to match existing. M. Motors, Control Panels, Etc., Furnished by Others: 1. Check the Drawings and Specifications covering all branches of the work to ascertain what equipment is furnished by others. It will be this Contractor's responsibility to furnish the necessary labor and materials to receive and wire said equipment. Check the Plumbing and Mechanical Drawings and Division 15 of the Specifications carefully for wiring by the Electrical Contractor. N. Motor Starters: Furnish, install, and wire all motor starters as shown on Drawings. Characteristics are as follows: 1. Each 3 phase starter shall be in a NEMA 1 enclosure, combination, magnetic across the line as scheduled on the Drawings. Each starter shall have H.O.A. feature and 120 volt control transformer. 2. Each starter for 120 volt motors as shown shall be in NEMA 1 enclosure and of the thermal toggle type. Where pilot lights are indicated, same shall be built into enclosure. Flush boxes shall be provided where starters are shown in finished areas. 3. Starters shall be as manufactured by Cutler Hammer, Square D, or General Electric or Siemens ITE. O. Floor boxes: Furnish, install, and wire all floor boxes as shown on Drawings. Characteristics are as follows: 1. Floor boxes shall be stamped steel with adjustable floor leveling screws as manufactured by Wiremold 8858 shallow service type. 2. Provide Wiremold 895TCAL 5 1/4" carpet flange for all specialty floor installations including hardwood floor applications. 3. Finish shall be brushed brass. PART 3 - EXECUTION 3.01 PREPARATION/INSTALLATION/APPLICATION A. Conduit: 1. Installation - conduit: a. Conduit to be run exposed in unfinished areas such as mechanical, electrical room, stock rooms, and Urban Outfitters Sales floors. All other conduit shall be concealed. Provide trapeze support structure as detailed on electrical drawings to carry all exposed conduit back to stock area and back of house. b. Run parallel or perpendicular to exterior walls of building. c. Locate to avoid equipment, fixtures, ductwork, piping, etc. d. Layout and install work in advance of the laying of floors, walls, etc., and furnish and install all sleeves that may be required for openings through floors, walls, etc. e. Where conduit is to be run exposed, furnish and install all inserts and clamps for the supporting of conduit. f. If contractor does not properly install all sleeves and inserts he will be required to do the necessary cutting and patching later at his own expense, and to the satisfaction of the Architect. g. Do not obstruct openings or passageways. h. Where conduit passes through floors or through smoke and fire walls, space between conduit and floor or wall shall be filled with cement grout. i. Radius of bends shall be not less than six (6) times internal diameter. Any run of conduit shall not include more than the equivalent of four (4) quarter bends. j. Sales floor shall be completely hard piped with EMT. MC cable or flexible conduit shall not be utilized except where specifically detailed. Layout of conduit must be reviewed with general contractor and UO CPM to confirm layout is acceptable. Conduit routing on the sales floor is an aesthetic piece of the architectural design of the store. Contractor shall receive approval from the architect and construction manager prior to any installation of conduit on the sales floor. k. Provide expansion fittings for all conduits at expansion joints. l. MC cable may be utilized within wall cavities and back of house areas where permitted by local code authorities. 2. Cutting Conduit: a. Measure and cut conduit from job site conditions, not from Drawings. b. Conduit shall be cut square and butted solidly into fittings. c. On rigid conduit, cut conduit full and clean with sharp dies. Ream ends of pipe after cutting and before assembly to remove burrs. d. Ream thin-wall conduit (EMT) after it is cut.

3. Liquid Tight and Flexible Conduit: a. Liquid tight flexible conduit shall be installed in such a manner that liquids tend to run off the surfaces and not drain toward the fittings. b. All runs of flexible conduit shall be as short as practical, of the same size as the conduit it extends and with enough slack to reduce the effects of vibration. A minimum of 24 inches of flexible conduit shall be installed. c. Where the fittings are brought into an enclosure with a knockout, an insulated throat type fitting with liquid sealing "O" ring shall be used. d. Flexible metal conduit shall be installed for all final equipment connections to transformers, light fixtures (lay-in type) and all other devices where so required. 4. Type of Conduit: a. The following areas shall be galvanized steel heavy wall conduit or IMC: 1) In earth fill. 2) Exposed in wet areas. 3) Exposed outdoors (Provide watertight fittings & boxes). 4) Outside masonry walls. 5) Within building confines run in concrete slab. Couplings for conduit run in poured concrete shall be concrete tight. b. Conduit run in dry areas within building confines shall be EMT. Dry areas are inside partitions, ceiling cavities and areas not subject to damage. Outside walls are not considered dry areas. 5. Supporting Conduit: a. All conduits must be independently supported from structure. No conduits shall be supported from the ventilating ducts, ceiling hangers, mechanical piping or their hangers. b. All surface run conduit one inch(1") and smaller shall be supported every five feet with one hole straps with clamp backs. Perforated strap hangers will not be permitted. c. Hangers shall be proportioned for the weight of the conduit(s) supported. All rods, clamps and/or hangers shall be galvanized, bonderized, plated or painted. Where factory supplied, with one of the above rust resistant finishes, all field cuts and threads are to be painted and covered with a grey finishing paint. Trapeze type hangers may be used where several conduits occur at the same elevation. The spacing of such trapeze hangers shall be determined by the electrical code spacing requirements for the smallest conduit in the run. e. Approved type inserts for support of work in cast or concrete construction. f. Approved type steel beam clamps in the case of steel construction. 6. Where holes or recesses must be cut in walls, floors, ceilings, or any part of the building to admit apparatus, conduit or other work of this Contractor, he must have it done by a competent mechanic in a neat and workmanlike manner. The portions cut must be restored to their original condition at the expense of this Contractor. This Contractor shall provide for all of his own cutting and patching. 7. All conduits run in or below any grade slab shall be heavy wall conduit and entirely encased in 2" of concrete. In no case shall conduit be laid in fill below slab. Conduit shown as plastic shall be schedule 40. 8. 3/4"D. minimum conduit shall be utilized. 9. Provide: a. Supplementary angles, channels, plates, etc., where supports are required between building's structural members, spanning the space and attached to building structural members, by welding, bolting or with concrete anchors. b. All rods, angles, rails, struts, brace plates, platforms, etc. required for suspension or support of conduit and equipment. c. Straps, clamps, threaded rods, turnbuckles, anchors, etc., and all miscellaneous specialties for the attachment of hangers and supports to the structure. 10. Unless otherwise noted on the Drawings, the following shall apply: a. Convenience outlets shall be placed on separate circuits from motor and lighting outlets. b. Motors shall be placed on separate circuits from lighting outlets. c. Convenience outlets shall not be installed back to back. MotorBnd Equipment Wiring: 1. Unless indicated or specified elsewhere perform the following: a. Connect and wire to each motor and piece of electrically operated equipment shown on the Drawings or as specified in these Specifications. b. Furnish, install and connect all starters, controller selector switches, pilot lights, pushbuttons' stations for each motor and piece of electrically operated equipment shown on Drawings, or as specified in the Specifications, unless otherwise indicated. c. Furnish and install all wiring from the current source to all starters and from starters to motor, except in the case of factory installed wiring packaged equipment. Wire to the line side of all prewired equipment. d. Furnish and install a disconnect switch ahead of all prewired package equipment. Coordinate with Mechanical Trades Contractor. e. Install all roughing-in pertaining to each item of equipment furnished under other Sections of the Specifications or by the Owner. Locations of electrical outlets for this equipment are indicated on the Drawings in their approximate locations. The supplier furnishing the equipment will furnish dimensional drawings accurately locating all roughing-in required for his equipment. f. Receive, set and align motors which are shipped loose if local union or trade jurisdiction practice requires doing so. g. Provide all control circuit and interlock wiring and connections for all mechanical equipment as indicated and scheduled on the Drawings. 2. If a disconnect switch is required by the enforcing code and not indicated on the Drawings or in the Specifications, it shall be furnished and installed. 3. Where specific locations of switches and starters are not shown on the Drawings, these shall be placed near the motor. Thermostats: 1. Refer to energy management section of specifications for thermostat specification as well as details on plan drawings for energy management system. 2. Provide a 4" square backbox with plaster extension ring with 3/4" conduit and associated wiring from each thermostat to appropriate mechanical equipment. Refer to wiring diagrams on drawings for additional information. Expansion Fittings: 1. Expansion fittings shall be installed in all conduits crossing expansion joints. Refer to Architectural drawings for locations. Prohibited wiring methods: 1. BX, AC, NM, NMC, NMS, UF, USE, SE, FCC.



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ISSUE / DATE:

ISSUE 1 - CHECK SET

03-14-2025

ISSUE 2 - BID/PERMIT SET

03-28-2025

ISSUE 3 - PERMIT SET

04-25-2025

SHEET TITLE :

ELECTRICAL SPECIFICATIONS

SHEET NO. :

E600

SECTION 16400
SERVICE AND DISTRIBUTION

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. The General Conditions, Supplementary Conditions, and General Requirements apply to the Work specified in this Section.

B. Section 16010, "General Provisions - Electrical", applies to the work specified in this Section

1.02 DESCRIPTION

A. Work Included:

- Complete electrical service and secondary distribution system.
- All charges by the Local Utility Company for construction related work. Owner charges will be paid by the Owner.
- System Grounding per the local Utility Company and the N.E.C.
- Main distribution panelboards and lighting panelboards as scheduled.
- Utility approved current transformers and meter fittings.
- Utility Company transformer support pad and primary conduit(s).
- Complete secondary 120/208 volt, 3 phase, 4 wire or 277/480 volt, 3 phase, 4 wire 60 hertz service from the secondary side of pad mounted transformer into the building main service overcurrent protective device.
- Tenant metering where shown and required.

PART 2 - PRODUCTS

2.01 EQUIPMENT

A. Main Distribution Panelboards:

- Shall be as scheduled on the drawings.
- Panelboard shall be enclosed in steel cabinet of rigidity and gauge of steel per UL Standard #50 for cabinets.
- Acceptable manufacturers are Cutler hammer, Siemens ITE, General Electric and Square D.
- Bus structure shall be copper not exceeding density of 1000 amps per square inch of cross section. Buss supports shall be adequate to withstand 42,000 amperes symmetrical short circuit stresses minimum.
- Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
- Panelboard shall be braced for short circuit capacities as scheduled by the local Utility Company; however, the minimum bracing shall be 42,000 A.I.C. symmetrical.
- Each circuit breaker shall be equipped with an approved nameplate which indicates the name of the equipment (motor, panelboard, etc.) to which the feeder conductors are connected.

B. Building Metering: For metering furnish and install on the C/T compartment or on the exterior wall a mounting panel with all meter accessory equipment for mounting thereon the associated Utility Company's meter requirements.

C. Lighting and Appliance Panelboards:

- Panelboards shall be type indicated on the Drawings, with main lugs, main breakers, bolt-on branch breakers, spares and spacers as scheduled. Ground fault interrupter (GFI) circuit breakers shall be provided where noted.
- Panelboards shall comply with U.S. Federal Specification WP115a, Type I, Class I. Where applicable, provide with copper bus of density not exceeding 1000 amps per square inch.
- The Electrical Contractor shall balance all circuits within 10 % phase to phase. All conductors shall be continuous without splicing from last outlet to their terminals in cabinet. All circuit conductors in cabinet shall be installed with sufficient amount of length to reach the most remote breaker connection from its point of entrance.
- Panelboard fronts shall be fabricated from a flat piece of full finished code gauge sheet steel with door cut out leaving a trim of proper width around the door. Provide a latching mechanism controlled by a chrome plated vault-handle on doors twenty-four inches(24") or over in height. All Locks to be keyed alike to the panel manufacturer's standard key. Two(2) Keys shall be furnished with each cabinet. Contractor shall provide a directory of circuits for cabinet. Directory shall be typewritten designating room or equipment and circuit numbers. Directory frame, lock, hinges, etc., are to be secured to inside of door and trim in such a manner that screws, holes or welds, etc., are not visible on the door panel or trim.
- The width and height of cabinets shall be sufficient to provide a wiring gutter at the two sides and at the top and bottom of not less than 4". Additional width or height shall be provided, if required for entering conduits. Additional wiring gutter space shall be provided, if required for main or sub-feeder cables passing through to feed other cabinets.
- Where 2 or 3 pole breaker units are called for, they shall be one unit with common trip and not single pole units with handle ties. Capacity of main busses shall be as shown on the Drawings.
- Provide with a copper ground bus. The ground bus shall be fastened and bonded to the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements.
- Provide with a copper isolated ground bus where specifically indicated on the panel schedules. The ground bus shall be isolated from the framing member in an approved manner. The ground bus shall be grounded in a manner meeting all code requirements. Provide an isolated ground conductor to point of service ground within raceway(s) containing feeder conductors.
- Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE.
- Panelboards shall be braced for short circuit capacities as scheduled by the local Utility Company with no less than 14,000 AIC for 277/480 volt panelboards and 10,000 AIC for 120/208 volt panelboards. All panelboards shall be fully rated for the available fault current. Series rating of panelboards is not acceptable.
- All breakers utilized for switching lighting shall be labeled switching duty type.

D. TRANSFORMERS

- All transformers shall be 115 degree C temperature rise above a 40 degree C ambient.
- Sound levels shall not exceed Nema Standards.
- All windings shall be aluminum.
- All transformers shall be energy star complain and NEMA TP-1 rated for energy efficiency.
- Provide a 6" concrete pad for floor mounting of each transformer. Provide a vibration isolation pad for each transformer.
- Provide a conduit with grounding electrode sized per NEC to point of service ground.
- Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Transformer shall match panelboard manufacturer.

E. LIGHTING CONTACTORS

- Lighting contactors shall be normally open type with 120 volt coils.
- Quantity of poles shall be as specified on the plan drawings but not less than 4 per contactor.
- Separate contactors shall be provided for 277 volt lighting and 120 volt lighting.
- Interface lighting contactors with Novar system as indicated on drawings.
- Acceptable manufacturers are Cutler Hammer, Square D, General Electric and Siemens ITE. Contactors shall match panelboard manufacturer.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Electrical service, metering and main distribution shall be as shown on the Drawings and as herein specified.

B. System Grounding: Shall be in strict accordance with the National Electrical Code, Local Governing Authorities and in accordance with the recommendations of the Utility Company.

C. Electrical Service:

- Electrical service shall be from the Utility Company's transformer at 3 phase, 4 wire, 60 hertz with voltage as specified on the Drawings.
- Furnish and install the secondary service from transformer to the current transformer cabinet and into the main service switches as shown on the Drawings. Leave sufficient slack cable, at the transformer locations for connection of the secondary conductors to the transformer by the Utility Company.
- This Contractor shall contact the Utility Company to obtain all information necessary for the work, incorporate their instructions into the work and obtain their approval of all work and material. Include all contractor related costs in base bid.
- Provide transformer support pad in accordance with the Utility Company's standards. Work shall include pad, trench for ground wire, conduits, ells and miscellaneous hardware.
- The Utility Company will furnish, install and connect all primary service conductors. Unless specifically noted otherwise.

NOTE TO DESIGNER: Modify specification for proper scope of work in relation to the landlord provided elements.

D. Grounding:

- Provide an electrically continuous ground system from service to all points of utilization. In general, all pieces of electrical equipment shall be grounded as required by Federal, State and Local Codes and regulations, but special attention is called to the following items to be grounded as indicated:
 - All distribution equipment including switchboard, transformer and panelboards.
 - Conduit and other metallic raceways.
- In general where grounding wire is shown use green color.
- Provide complete isolated ground system for cash register and telephone system and other systems as indicated on drawings. All circuits serving cash registers and POS system shall be isolated and segregated from other circuits.

SECTION 16500
LIGHTING SYSTEMS AND CONTROLS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Receiving, installing and wiring lighting fixtures as shown on Drawings, Lighting Fixture Schedule, and as furnished by the Owner.
- All fixtures shall be received, unloaded, inventoried, handled, stored, protected, uncrated, installed, wired, lamped etc. by the electrical contractor (EC). Contractor shall confirm condition, quantity, and specification of fixtures upon receipt. Contractor shall immediately report any damage, missing items, deviation from spec.
- Installation of lighting fixtures shall be carefully coordinated with architectural, structural, mechanical and sprinkler drawings to avoid conflicts. If conflicts should arise, Contractor shall clarify with architect prior to proceeding with installation.
- Refer to the Architectural Room Finish Schedules and Architectural and Structural details to determine conditions and finishes affecting the installation of the work. Include, to the full intent and meaning of these Specifications, all items of labor and materials necessary for design, detailing or adjustment of fixtures due to surrounding finishes and construction.

PART 2 - PRODUCTS

2.01 MATERIALS

A. All lighting fixtures and lamps shall be furnished by Owner unless specifically noted otherwise.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Fixtures: An outlet is to be provided for each fixture. All fixtures shall be located to suit the Architectural details of the areas involved. Unpack, assemble, wire and install all fixtures at the proper locations indicated on the Drawings.

B. Recessed Fixture Installation: Recessed fixtures shall be of type suitable for mounting in the type of ceiling as scheduled on the Drawings. Variations to catalog numbers indicated shall be made to assure proper mounting and fitting arrangements, prior to fabrication. Changes to be made by this Division Contractor must have prior written approval from the Architect.

C. Supports:

- Each lighting fixture shall be rigidly supported from the building construction. Provide suspension hangers, stems and extra steel work for fixture support where required.
- Confer with Ceiling Contractor to determine modifications required to make fixtures suitable for ceiling as installed.
- Where recessed fixtures are called for, each shall be provided with the proper plaster frame or suitable adapter to receive the finished ceiling construction.
- Where suspended acoustic tile ceilings on steel channels occur, outlets and fixtures shall be supported on members resting on the channel framework. In no case shall fixtures be supported from plaster or acoustic material.
- Suspended fixtures shall be hung on suspension hangers furnished by the fixture manufacturer and shall be adjusted as necessary during installation to insure that all fixtures in the same room or area are at a uniform height from the floor. Mounting height shall be as specified, detailed or noted on the Drawings.
- Any electrical lighting fixture which weighs more than 50 pounds shall be supported independently of the outlet box.
- All fixtures with pendant lengths greater than 24" shall have two supports or be provided with a swivel type stem.

D. Fixture Wiring:

- Fixtures shall be wired with white wire for the neutral and colored wire for phase wires, see Section 16100.
- Housing of all fixtures must be grounded to conduit system.
- Each fixture to be complete with holders, screws, sockets, wires, lamps, etc., as is necessary for a complete installation.

E. Operation and Controls:

- Local switches as shown and wired.
- Exit and directional signs shall be constantly on, and wired as shown.

SECTION 16600
SECURITY SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for alarm and detection systems. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s).
 - 3/4" conduit with pull wire to each door contact, sound detection, silent duress alarm, infrared sensor etc.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:

- Installation shall meet approval of the security system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16620
ELECTRONIC ARTICLE SURVEILLANCE (EAS) SYSTEMS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for alarm and detection systems. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s).
 - 3/4" conduit with pull wire to floor mounted detector at sales floor entrance/exit.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring of equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of any raceways and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:

- Installation shall meet approval of the EAS system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

END OF SECTION

SECTION 16630
CLOSED CIRCUIT TELEVISION (CCTV) SYSTEMS

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for alarm and detection systems. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s).
 - 3/4" conduit with associated wiring to each camera and monitor location. Refer to floor plans for locations.
 - Low voltage cabling from CCTV head end location to each camera and monitor for final termination to devices by owners vendor.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and termination of wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:

- Installation shall meet approval of the CCTV system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16640
SOUND SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for sound system. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s) within office for amplifier and sound rack and on sales floor for DJ rack where required.
 - 3/4" conduit with pull wire to speaker and device location. Refer to floor plans for locations. Each speaker does not require an independent conduit home run to the office equipment.
 - Provide a 1" conduit from office rack to each building floor sales floor for speaker wiring on that floor.

PART 2 - PRODUCTS

2.01 DESCRIPTION

A. All Equipment and associated installation and wiring to equipment shall be done by owner vendor. Contractor shall have an on site meeting with owner vendor prior to rough-in and installation of all raceways, wiring and backboxes for vendor system. Entire installation shall be fully coordinated as to exact location and requirements.

PART 3 - EXECUTION

3.01 RELATED DOCUMENTS

A. Performance:

- Installation shall meet approval of the sound system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16650
TELEPHONE SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for telephone system. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s) for telephone equipment at telephone backboard.
 - 3/4" conduit with pull wire to each telephone location. Refer to floor plans for locations.
 - 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
 - Provide ground lug at telephone board and ground to electrical service ground location if present within tenant space or to grounded building steel.

B. Work by Telephone vendor:

- All wiring, jacks and terminations for telephone instruments.
- All telephone equipment.

C. Work by landlord:

- Landlord shall provide a 2" empty conduit raceway to point of telephone utility connection to rear of tenant space.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.

B. Wall boxes to be flush, 4" square, with extension ring.

C. Plates shall be furnished and installed with jacks by owners low voltage telephone vendor.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Performance:

- Installation shall meet approval of the telephone vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.

SECTION 16660
DATA/POS SYSTEM

PART 1 - GENERAL

1.01 DESCRIPTION

A. Work Included:

- Provide necessary conduit and power for telephone system. This shall include the following:
 - Dedicated 20 Amp., 120 Volt circuit (s) within office for POS/DATA equipment.
 - 1 1/4" conduit with pull wire to each cash wrap location. Refer to floor plans for locations.
 - 1" interconnecting conduit between each section of cashwrap.

B. Work by POS system vendor:

- All wiring, jacks and terminations for POS system.
- All POS equipment.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Conduits, fittings, and outlet boxes shall be as hereinbefore specified in Section 16100.

B. Wall boxes to be flush, 4" square, with extension ring.

C. Plates shall be furnished and installed with jacks by owners low voltage POS system vendor.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Performance:

- Installation shall meet approval of the POS system vendor and shall be in accordance with their requirements.

B. All conduit and wiring requirements shall conform with Section 16100, "Basic Materials and Methods" of this Specification.



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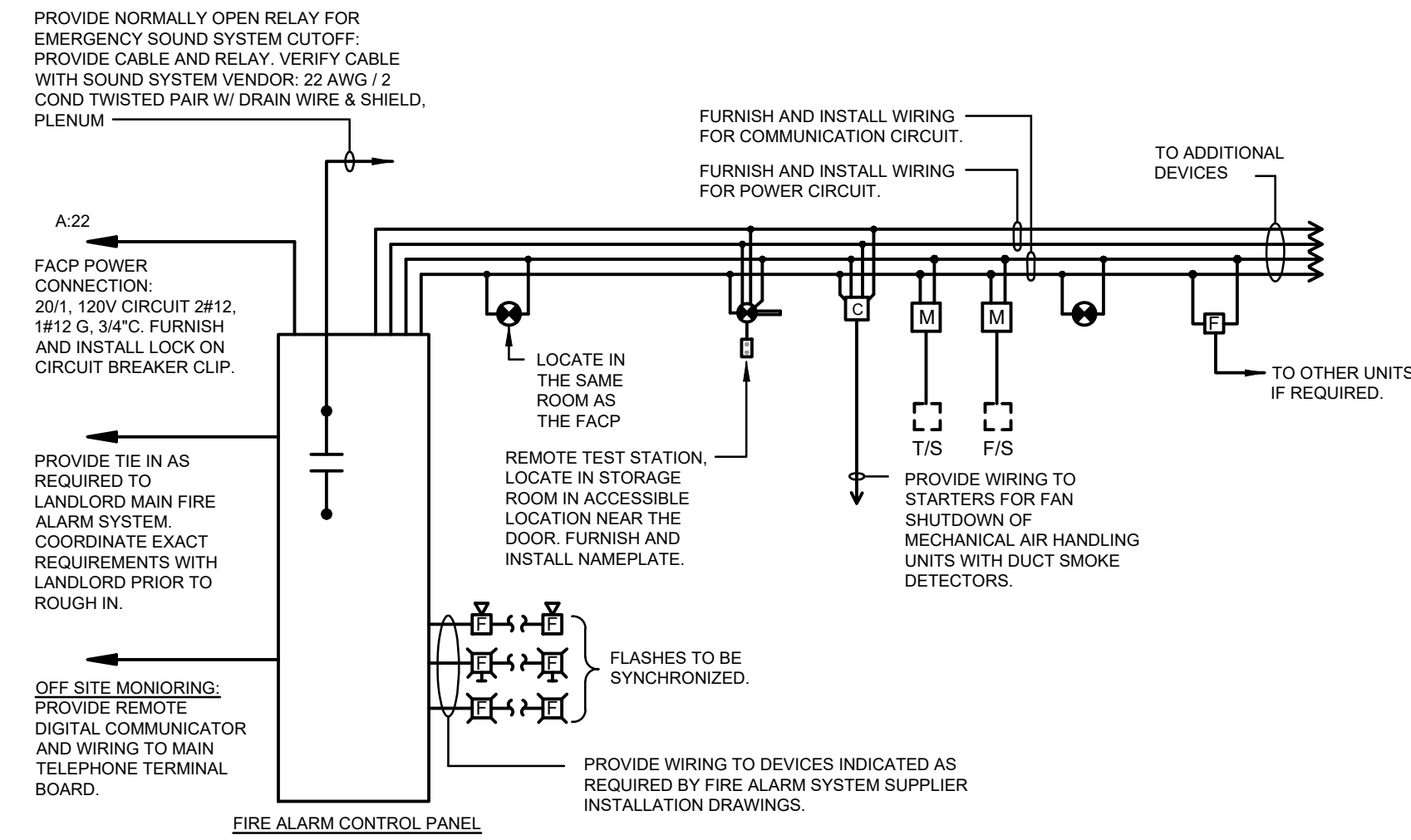
04-25-2025

SHEET TITLE :

**ELECTRICAL
SPECIFICATIONS**

SHEET NO. :

E601



1 FIRE ALARM SYSTEM RISER DIAGRAM
FA100 SCALE: NONE

FIRE ALARM SYSTEM GENERAL NOTES:

1. THE FIRE ALARM SYSTEM SHOWN ON THIS DRAWING REPRESENTS A PROTOTYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION OR BIDDING PURPOSES. THE GC SHALL BE SOLELY RESPONSIBLE FOR CONFIRMING THE SPECIFIC FIRE ALARM REQUIREMENTS FOR THIS BUILDING WITH THE JURISDICTION AND TO PROVIDE A COMPLETE FIRE ALARM SYSTEM DESIGN IN SHOP DRAWING FORMAT WITH 1/8" MINIMUM FLOOR PLANS, SPECIFICATIONS, SEQUENCE OF OPERATION, AND APPLICATIONS CONFORMING TO ALL JURISDICTIONAL REQUIREMENTS FOR PROCUREMENT OF PERMIT.
2. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM, AND INSTRUCT OWNER ON SYSTEM OPERATION.
3. ALL FIRE ALARM WIRING SHALL BE IN 3/4" CONDUIT, MINIMUM. ALL WIRING SHALL BE VERIFIED WITH THE SYSTEM SUPPLIER PRIOR TO BID.
4. PROVIDE ADDITIONAL ADDRESSABLE MONITOR AND CONTROL MODULES AS RECOMMENDED BY THE SYSTEM SUPPLIER.
5. ALL CONTROL CABINETS SHALL BE GROUNDED PER N.E.C. REQUIREMENTS AND PER SPECIFICATIONS. COORDINATE CITY TIE-IN REQUIREMENTS WITH LOCAL AUTHORITY.
6. REFER TO DRAWINGS FOR DEVICE QUANTITY AND LOCATIONS.
7. FIRE ALARM SYSTEM SHALL COMPLY WITH THE ZONING REQUIREMENTS OF THE STATE BUILDING CODE AND THE NFPA. ALL INITIATING DEVICES INDIVIDUALLY REPORT TO THE FIRE ALARM CONTROL PANEL FOR SEPARATE ANNUNCIATION.
8. COORDINATE EXACT REQUIREMENTS ON SITE WITH LANDLORD PRIOR TO PROCUREMENT OF EQUIPMENT OR ROUGH IN WORK.
9. THE GC SHOULD WORK WITH THE JURISDICTION TO PROVIDE, IF ALLOWED, ALL WHITE DEVICES, NOT RED.
10. FURNISH AND INSTALL WIRING TO ALL SYSTEM DEVICES AS REQUIRED BY SYSTEM INSTALLATION DRAWINGS

FIRE ALARM APPROVAL / PERMIT:
THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE FIRE ALARM SYSTEM CONFORMING TO ALL LOCAL CODE REQUIREMENTS. FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF ALL REQUIRED DOCUMENTATION AND TO OBTAIN ALL REQUIRED FIRE ALARM APPROVALS / PERMITS.

FIRE ALARM SYSTEM NOTE

TENANT MUST USE LANDLORD'S FIRE ALARM CONTRACTOR FOR FINAL WIRING CONNECTIONS TO MALL F.A. SYSTEM, INSPECTION AND TESTING.

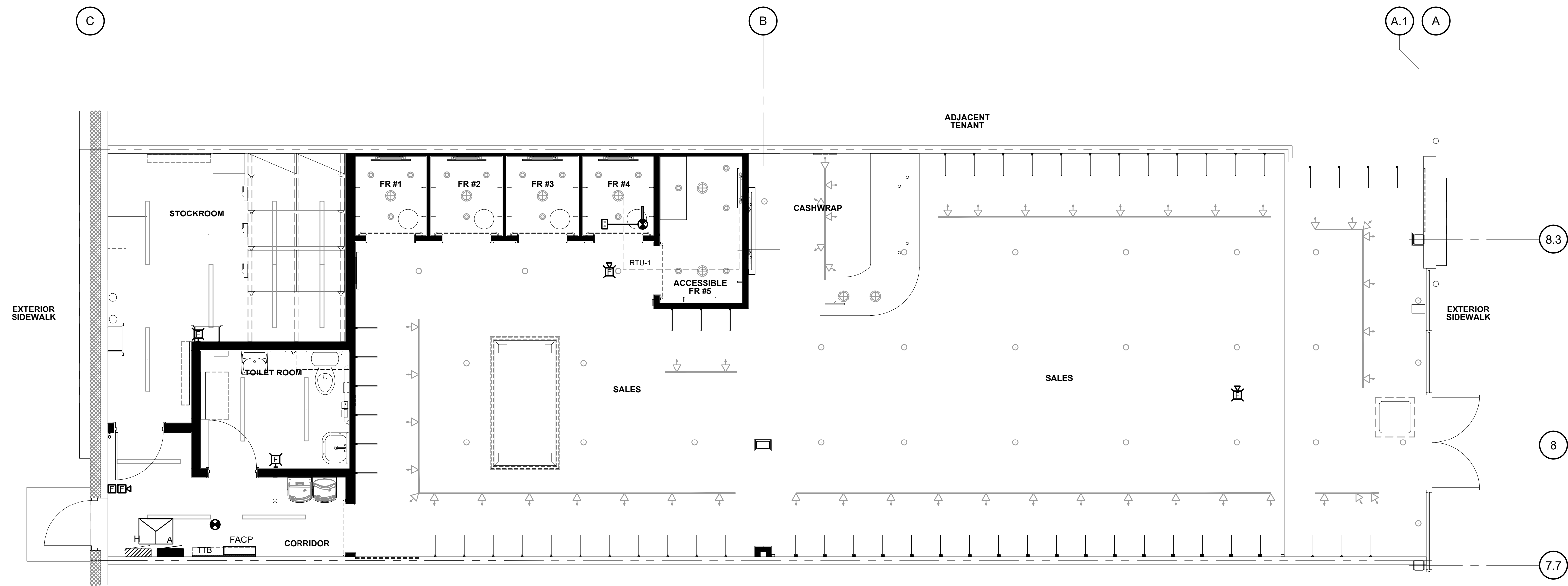
SYSTEMS PLAN GENERAL NOTES

1. THE EXISTING BUILDING HAS A FULL SPRINKLER SYSTEM EXTENDING INTO ALL TENANT SPACES.
2. A LOW VOLTAGE PERMIT IS REQUIRED.

FIRE ALARM SYMBOL LIST	
FABP	FIRE ALARM POWER BOOSTER PANEL, TOP OF PANEL AT +6'-0" A.F.F.
A.F.F.	DENOTES ABOVE FINISHED FLOOR
	FIRE ALARM HORN WITH STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
	FIRE ALARM STROBE LIGHT - WALL MOUNTED AT 80" AFF UON
	CEILING TYPE HORN/STROBE TO MATCH BUILDING STANDARD. MOUNT ON SWIVEL BASE PENDANT AFF TO BE EQUAL TO ADJACENT LIGHTING IF IN UNFINISHED AREA WHERE LIGHTING IS SUSPENDED. UNIT SHALL BE SURFACE MOUNTED ON CEILING IN FINISHED AREAS.
	CEILING TYPE STROBE ONLY, TO MATCH BUILDING STANDARD. MOUNT ON SWIVEL BASE PENDANT AFF TO BE EQUAL TO ADJACENT LIGHTING IF IN UNFINISHED AREA WHERE LIGHTING IS SUSPENDED. UNIT SHALL BE SURFACE MOUNTED ON CEILING IN FINISHED AREAS.
	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED.
	FIRE ALARM PULL STATION MOUNTED AT 48" AFF UON
	FIRE ALARM DUCT SMOKE DETECTOR - WITH REMOTE TEST STATION - COORDINATE DUCT MOUNTING WITH THE MC

TENANT CRITERIA NOTES:

1. TENANT SHALL PROVIDE ALL CODE REQUIRED FIRE ALARM DEVICES, SUCH AS PULL STATIONS, SPEAKERS, STROBES, SMOKE DETECTORS, DOOR HOLD OPEN DEVICES, FAN SHUTDOWN, TAMPER, AND WATER FLOW SWITCHES.
2. ALL COMPONENTS SHALL MATCH AND BE COMPATIBLE WITH BASE BUILDING SYSTEM.
3. AUDIO/VISUAL OVERRIDE MODULES SHALL BE PROVIDED FOR THE TENANTS AMPLIFIER OVERRIDE.
4. TENANT SHALL BE RESPONSIBLE FOR INCORPORATING THEIR FIRE ALARM SYSTEM INTO THE BASE BUILDING SYSTEM, HOWEVER THE TENANT FIRE ALARM SYSTEM SHALL BE ON A SEPARATE ZONE (LOOP). THIS SEPARATE ZONE ALLOWS THE TENANT SPACE TO BE ISOLATED FROM OTHER TENANTS AND FROM BASE BUILDING SPACES TO MITIGATE TESTING DISTURBANCES.
5. EXISTING FIRE ALARM DEVICES WITHIN THE TENANT SPACE SHALL BE TRANSFERRED TO TENANT FIRE ALARM ZONE (LOOP).
6. FINAL CONNECTION TO THE BUILDING'S EXISTING FIRE ALARM SYSTEM SHALL BE MADE BY THE BASE BUILDING FIRE ALARM SYSTEM VENDOR. CONFIRM WITH EXHIBIT B AND LANDLORD TENANT CONSTRUCTION REPRESENTATIVE.
7. BUILDING FIRE ALARM CONTRACTOR TO DETERMINE IF A BOOSTER PANEL OR A FIRE ALARM CONTROL PANEL IS REQUIRED. BASIS OF DESIGN INDICATES A FIRE ALARM CONTROL PANEL.



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

DRAWN BY:
TAR

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SHEET TITLE:
FIRE ALARM FLOOR PLAN

SHEET NO. :
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FIRE PROTECTION SPECIFICATIONS

1. DESIGN / BUILD REQUIREMENTS

1. THE SPRINKLER SUBCONTRACTOR, A LICENSED SUBCONTRACTOR OF THE TENANT'S GENERAL CONTRACTOR (USE ONLY DESIGNATED SPRINKLER SUBCONTRACTOR IF REQUIRED BY LANDLORD) IS REQUIRED TO MODIFY AN EXISTING AND/OR PROVIDE A NEW SYSTEM AS PER THE LATEST NFPA PAMPHLET (PAMPHLET 13) AND THE BUILDING LANDLORD'S INSURANCE UNDERWRITER'S REQUIREMENTS AND OTHER RELEVANT AUTHORITIES' REQUIREMENTS. SPRINKLER CONTRACTOR TO VERIFY WITH BUILDING LANDLORD AS TO THE BASIS FOR DESIGN - OCCUPANCY TYPE AND DENSITY, NORMAL OR HYDRAULIC.

2. THE SYSTEM SHALL BE DESIGNED TO MODIFY AND/OR PROVIDE NEW SPRINKLER HEADS WITHIN THE DEMISED PREMISES.

3. THE SPRINKLER HEAD TYPES TO BE USED IN THIS TENANT SPACE ARE INDICATED ON THE FLOOR PLANS. IF THERE IS A SPECIAL TYPE HEAD REQUIRED BY THE LANDLORD, USE LANDLORD'S SPECIFICATION ONLY.

4. THE SPRINKLER CONTRACTOR SHALL INCLUDE IN HIS SUBMISSIONS FOR APPROVAL BY THE BUILDING DEPARTMENT, LANDLORD AND REVIEW BY THE TENANT'S REPRESENTATIVE, A MINIMUM 1/4" SCALE SPRINKLER LAYOUT. (UTILIZE TENANT'S REFLECTED CEILING PLAN.)

5. THE SPRINKLER SUBCONTRACTOR SHALL OBTAIN ALL APPROVALS FROM APPLICABLE AUTHORITIES FOR THE SPRINKLER SYSTEM.

6. OWNER, TENANT, CLIENT AND LESSEE ARE ALL THE SAME INDIVIDUAL OR COMPANY. THE LANDLORD AND LESSOR IS THE BUILDING LANDLORD AND/OR THE OWNER OR REPRESENTATIVE OF THE OWNER OF THE SPACE. LANDLORD'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME. TENANT'S ARCHITECT AND CONSTRUCTION REPRESENTATIVE MAY OR MAY NOT BE ONE AND THE SAME.

7. SINCE SPACE TO BE OCCUPIED WAS WHOLLY OR PARTIALLY ANOTHER TENANT, THE SPRINKLER SUBCONTRACTOR MUST CHECK SITE CONDITIONS TO ANALYZE IF MAINS, BRANCH LINES, SPRINKLER HEADS ETC., ARE TO BE UTILIZED. SUBCONTRACTOR SHALL INCLUDE ALL COST IN BID FOR ALL WORK AND MATERIAL REQUIRED FOR COMPLETE AND FINISHED PROJECT.

8. THIS SYSTEM (NEW OR EXISTING) IS TO BE INSTALLED OR MODIFIED AS TO LAYOUT AND CAPACITY BASED ON TENANT'S FLOOR PLANS, CEILING PLANS, HEIGHTS AND SECTIONS AND THE LATEST NFPA PAMPHLET/STANDARDS GOVERNING THIS USE. SPRINKLER SUBCONTRACTOR TO CHECK WITH LOCAL FIRE AUTHORITIES REGARDING ANY SPECIAL SPRINKLER REQUIREMENTS FOR SIDE WALL CASES (AS APPLICABLE).

9. ALL SPRINKLER HEADS IN ACOUSTICAL SALES AREA CEILINGS TO BE IN CENTER OF TILES.

II. GENERAL REQUIREMENTS

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO PROVIDE A COMPLETE INSTALLATION FOR FINISHED WORK, TESTED AND READY FOR OPERATION. THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER UNDER THE DIRECTION OF AND TO THE SATISFACTION OF THE BUILDING OWNER AND TENANT'S REPRESENTATIVE.

2. ALL MATERIALS REQUIRED FOR THIS WORK SHALL BE NEW, UNUSED, BEST OF ITS RESPECTIVE KINDS, FREE FROM DEFECTS AND OF FIRST CLASS QUALITY. BASIS OF QUALITY SHALL BE BASED ON THE LATEST STANDARDS OF THE NFPA PAMPHLET AND OTHER ACCEPTABLE STANDARDS.

3. THE SPRINKLER SUBCONTRACTOR SHALL BE RESPONSIBLE FOR THEIR WORK UNTIL ITS COMPLETION AND FINAL ACCEPTANCE AND SHALL REPLACE ANY OF THE SAME WHICH MAY BE DAMAGED, LOST OR STOLEN WITHOUT ADDITIONAL COST TO THE BUILDING OWNER OR TENANT.

4. THE SPRINKLER SUBCONTRACTOR SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS INSTALLED BY THEM TO BE FREE FROM INHERENT DEFECTS, SHALL KEEP IN REPAIR AND REPLACE ANY DEFECTIVE MATERIALS AND/OR WORKMANSHIP, FREE OF COST TO THE TENANT OR LESSEE (OWNER) FOR A PERIOD OF ONE (1) YEAR AFTER THE FINAL COMPLETION OF THE WORK.

5. ALL WORK SHALL BE DONE ACCORDING TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND BUILDING LANDLORD/TENANT LEASE CRITERIA (IF APPLICABLE) AND SHALL RECEIVE THE APPROVAL OF ALL AUTHORITIES HAVING JURISDICTION. PREPARE ALL REQUIRED DOCUMENTS, DRAWINGS AND PERFORM ALL REQUIRED TESTS AND PAY ALL REQUIRED CHARGES TO OBTAIN THESE APPROVALS.

6. THIS CONTRACTOR SHALL BE HELD TO HAVE EXAMINED THE SITE FOR THIS WORK AND REVIEWED THE DRAWINGS WITH THE TENANT'S GENERAL CONTRACTOR BEFORE HAVING SUBMITTED A PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.

7. THIS CONTRACTOR MUST PROVIDE TENANT, BUILDING LANDLORD AND TENANT'S CONSTRUCTION REPRESENTATIVES WITH COPIES OF REQUIRED INSURANCE AND COPIES TO BE FURNISHED TO THE OWNER BEFORE COMMENCING WORK.

8. PROVIDE CONTRACTORS NAME TO THE BUILDING OWNER, OWNER AND OWNER'S CONSTRUCTION REPRESENTATIVE FOR THEIR FILES.

III. SCOPE OF WORK

1. FURNISH ALL REQUIRED LABOR, MATERIALS, EQUIPMENT AND CONTRACTORS FOR A COMPLETE, SAFE INSTALLATION OF SPRINKLER WORK IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED.

IV. GENERAL ITEMS

1. IF VALVES ARE NOW UTILIZED IN SYSTEM BUT NOT ALLOWED BY LAW, THEY ARE TO BE REMOVED AS REQUIRED.

2. SPRINKLER SUBCONTRACTOR SHOULD VERIFY WITH LANDLORD ANY SPECIAL REQUIREMENTS, HOOKUPS, ALARM SYSTEMS IN PIPING, DRAIN DOWNS PER GENERAL CONTRACTOR'S REQUIREMENTS ETC., AND INCLUDE COST IN BID - ITEMIZE AND SPECIFY INCLUSIONS IN BID.

3. PIPING SHALL NOT BE SUPPORTED FROM DUCTWORK, ELECTRICAL, MECHANICAL, PLUMBING, OR OTHER SPRINKLER PIPING. ONLY HANG FROM TOP FLANGES OF BEAMS AND TOP CHORDS AT PANEL POINTS OF JOISTS AND TRUSSES.

4. TEST: TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS BASED ON CODE OR BUILDING OWNER'S REQUIREMENTS AND IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION AND/OR AS SPECIFIED. TEST SHALL BE PERFORMED IN THE PRESENCE OF BUILDING OWNER (IF REQUIRED) AND OWNER'S REPRESENTATIVE AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED. TEST PIPING PER CODE REQUIREMENTS, BY FILLING WITH AIR UNDER PRESSURE FIRST.

5. STERILIZATION OF SPRINKLER SYSTEM: IF REQUIRED BY LOCAL CODE OR LANDLORD'S CRITERIA, BEFORE SPRINKLER SYSTEM IS PLACED INTO SERVICE. ALL LINES SHALL BE CHLORINATED TO THE SATISFACTION OF REPRESENTATION (AS APPLICABLE) IN ACCORDANCE WITH NFPA STANDARDS.

6. NOTCHING AND BORING OF STRUCTURAL STEEL MEMBERS IS NOT PERMITTED, WHEN HANGING FROM STRUCTURAL STEEL ONLY HANG FROM TOP FLANGE OF BEAMS AND TOP CHORDS ONLY AT PANEL POINTS OF JOISTS/TRUSSES.

7. SPRINKLER CONTRACTOR TO FILE FOR PERMITS AND SUBMIT PLANS TO BUILDING DEPARTMENT FOR APPROVAL AND SIGN-OFF. ALL BUILDING DEPARTMENT WORK FOR THIS CONTRACTORS SCOPE IS TO BE FILED BY THIS CONTRACTOR.

V. BUILDING LANDLORD'S CRITERIA

1. THE SPRINKLER CONTRACTOR IS TO BECOME FAMILIARIZED WITH BUILDING LANDLORD'S CRITERIA FOR THIS LOCATION (IF APPLICABLE) AND INCLUDE ANY WORK REQUIRED OF THIS CRITERIA, WHICH IS NOT SPECIFICALLY NOTED IN THESE DRAWINGS AND SPECIFICATIONS

2. THE SPRINKLERS MUST BE A FULL-COVERAGE SYSTEM WHICH COMPLIES WITH ALL THE REQUIREMENTS OF NFPA PAMPHLET 13.

3. SPECIAL ATTENTION MUST BE PAID TO SPRINKLER OBSTRUCTIONS INCLUDING STOCK FIXTURES AND VALANCES.

4. THE 200 PSI, TWO-HOUR HYDROSTATIC TEST OF THE SYSTEM IS REQUIRED TO BE WITNESSED BY A REPRESENTATIVE OF THE BUREAU OF FIRE PREVENTION.

5. A COMPLETED, CERTIFIED COPY OF THE "CONTRACTORS MATERIAL AND TEST CERTIFICATE" IS REQUIRED TO BE TURNED INTO THE BUREAU OF FIRE PREVENTION.

FIRE PROTECTION DESIGN CRITERIA						
SALES AREA AND FITTING ROOMS						
CLASSIFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER SPRINKLER	DISCHARGE TEMPERATURE	MAXIMUM SPACING	HOSE STREAM ALLOWANCE
ORDINARY HAZARD GROUP 2	0.20 GPM / SQ. FT.	1500 SQ. FT.	130 SQ. FT.	165°F	15 FEET	250 GPM
RESTROOM AND CORRIDOR						
CLASSIFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER SPRINKLER	DISCHARGE TEMPERATURE	MAXIMUM SPACING	HOSE STREAM ALLOWANCE
LIGHT HAZARD	0.10 GPM / SQ. FT.	1500 SQ. FT.	225 SQ. FT.	165°F	15 FEET	100 GPM
STOCKROOM						
CLASSIFICATION	DENSITY	AREA OF COVERAGE	COVERAGE PER SPRINKLER	DISCHARGE TEMPERATURE	MAXIMUM SPACING	HOSE STREAM ALLOWANCE
ORDINARY HAZARD GROUP 2	0.20 GPM / SQ. FT.	1500 SQ. FT.	130 SQ. FT.	165°F	15 FEET	250 GPM

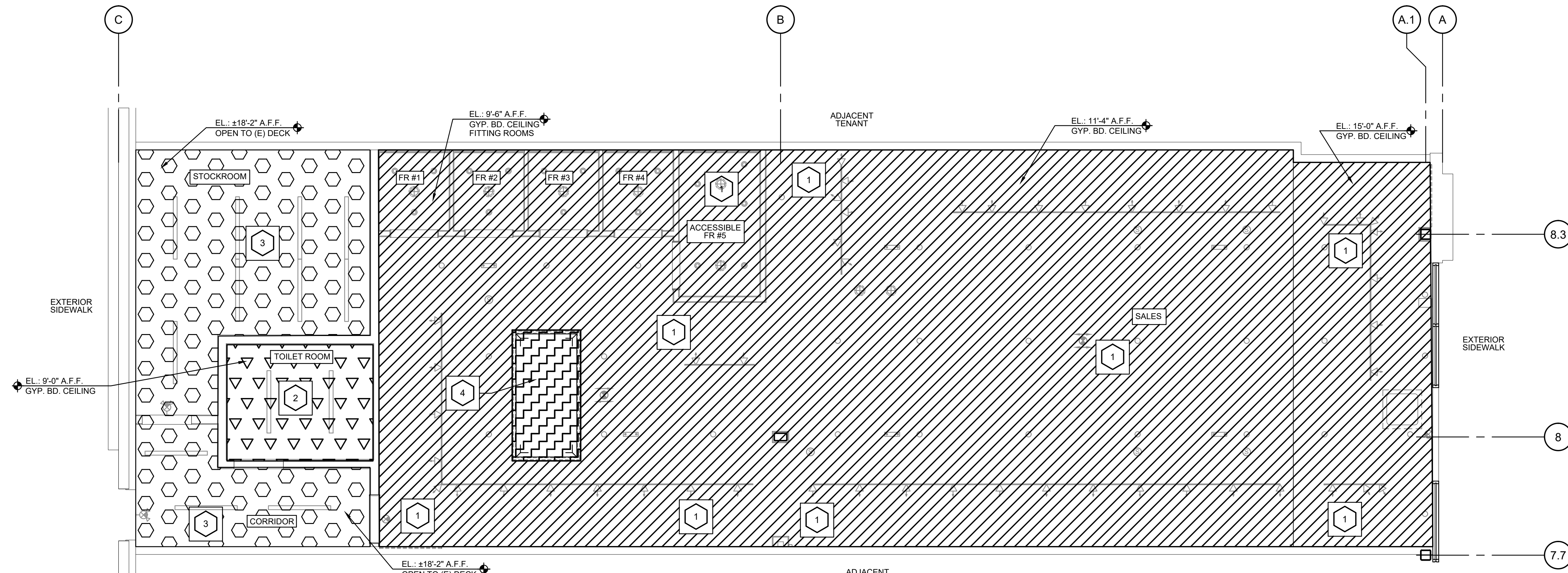
FIRE PROTECTION PLAN KEY NOTES

- 1 SPRINKLER HEADS IN HARD CEILINGS IN SALES AREA AND FITTING ROOMS SHALL BE FULLY RECESSED/FULLY CONCEALED TYPE. COLOR TO BE WHITE.
- 2 SPRINKLER HEADS IN THE RESTROOM SHALL BE SEMI-RECESSED TYPE. HEAD TO BE CHROME.
- 3 SPRINKLER HEADS IN THE STOCKROOM AND CORRIDOR (OPEN CEILINGS) SHALL BE UPRIGHT TYPE. HEAD TO BE CHROME.
- 4 SPRINKLER HEADS IN THE SKYLIGHT SHALL BE SIDEWALL TYPE. HEADS TO BE MATCH WALLS. CONTRACTOR TO COORDINATE WITH LOCAL AUTHORITY TO ENSURE THAT THE SPRINKLER HEAD IS NECESSARY OR NOT.

FIRE PROTECTION NOTES

1. THIS DRAWING IS FOR REFERENCES PURPOSE ONLY. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM AND ITS CONFORMANCE TO NFPA 13 AND ANY LOCAL CODE REQUIREMENTS.
2. SPRINKLER CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, COLOR, ELEVATIONS, SOFFITS, DISPLAY WINDOWS, ETC.
3. SPRINKLER CONTRACTOR SHALL FURNISH AND INSTALL SPRINKLERS UNDER ALL EQUIPMENT AND DUCTS OVER 48" WIDE.

FIRE SPRINKLER APPROVAL / PERMIT:
THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM CONFORMING TO NFPA 13 AND ANY LOCAL CODE REQUIREMENTS. FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARATION OF ALL REQUIRED DOCUMENTATION AND TO OBTAIN ALL REQUIRED SPRINKLER APPROVALS / PERMITS.



FIRE PROTECTION PLAN
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