

GENERAL NOTES

A. GENERAL

- THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, A.I.A. STANDARD FORM A201 - CURRENT EDITION, ARE HEREBY INCORPORATED INTO THIS DOCUMENT EXCEPT AS SPECIFICALLY MODIFIED BELOW.
- THE CONTRACTOR SHALL SECURE AND PAY FOR THE BUILDING PERMIT AND OTHER PERMITS AND GOVERNMENTAL FEES, LICENSES AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK. SCHEDULING OF APPROVALS AND INSPECTIONS BY AUTHORITIES HAVING JURISDICTION OVER THE WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACT DOCUMENTS CONVEY DESIGN INTENT AND THE GENERAL TYPE OF CONSTRUCTION DESIRED ARE INTENDED TO APPLY TO THE FINEST QUALITY OF CONSTRUCTION, MATERIAL AND WORKMANSHIP THROUGHOUT.
- THE idGROUP IS NOT RESPONSIBLE FOR ENGINEERING THESE DOCUMENTS. FOR CONSTRUCTION SETS WITHOUT ENGINEERING DOCUMENTS, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS PRIOR TO CONSTRUCTION AND AS BUILTS UPON COMPLETION FOR ELECTRICAL AND MECHANICAL TRADES TO THE LANDLORD.
- PRIOR TO SUBMITTING A PROPOSAL OR COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VISIT THE PROJECT SITE TO COMPARE THE SCOPE OF WORK AS OUTLINED IN THESE DOCUMENTS WITH EXISTING CONDITIONS. PROMPTLY REPORT ANY ERRORS, OMISSIONS, INCONSISTENCIES OR OTHER DETRIMENTAL CONDITIONS TO THE idGROUP. IF THE CONTRACTOR FAILS TO PERFORM THIS OBLIGATION, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS AND DAMAGES ASSOCIATED WITH ACTIONS REQUIRED TO CORRECT UNREPORTED CONDITIONS THAT OTHERWISE COULD HAVE BEEN AVOIDED.
- IN THE EVENT THAT DISCREPANCIES ARE FOUND BETWEEN DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR SHALL REQUEST A CLARIFICATION FROM THE idGROUP IN WRITING. THE idGROUP'S RESPONSE TO THE CONTRACTOR'S REQUEST FOR INFORMATION SHALL NOT BE CAUSE FOR A CHANGE IN THE CONTRACT AMOUNT UNLESS IT IS AGREED THAT THE ORIGINAL SCOPE OF WORK HAS BEEN ALTERED BY THE RESPONSE.
- THE CONTRACTOR SHALL CONTACT THE BUILDING MANAGEMENT TO DETERMINE ANY SPECIAL REQUIREMENTS AND RULES / REGULATIONS GOVERNING ALL PHASES OF WORK ON THE PREMISES.
- PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL FURNISH A CONSTRUCTION SCHEDULE SHOWING THE CHRONOLOGICAL PHASES OF WORK, SCHEDULE OF VALUES, AND INSURANCE CERTIFICATE. THIS SCHEDULE SHALL INDICATE ORDERING LEAD TIMES, A BEGINNING AND END DATE FOR EACH PHASE AND A PROJECTED COMPLETION DATE FOR THE ENTIRE PROJECT.
- THE CONTRACTOR IS WHOLLY RESPONSIBLE FOR THE COORDINATION AND SCHEDULING OF THE WORK EFFORTS FOR ALL ENGINEERS, SUBCONTRACTORS, CRAFTSMEN AND TRADESMEN REQUIRED TO COMPLETE THE JOB AND SHALL BE RESPONSIBLE FOR PROVIDING THEM WITH FULL SETS OF CURRENT DRAWINGS, ADDENDUM, AND OTHER SUPPLEMENTAL INFORMATION PERTINENT TO THE COMPLETION OF THE WORK.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND ELECTRICAL SERVICE FOR TRADES.
- UNLESS OTHERWISE STIPULATED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, STORAGE AND PAYMENT OF LABOR, MATERIALS, TAXES, EQUIPMENT, TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY, TRANSPORTATION AND OTHER FACILITIES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK WHETHER OR NOT IT IS SPECIFICALLY CALLED OUT OR DETAILED ON THE DRAWINGS.
- THE CONTRACTOR WARRANTS TO THE OWNER THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL MEET INDUSTRY STANDARDS AND BE NEW AND OF GOOD QUALITY UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS. THE WORK WILL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, FREE FROM DEFECTS AND WILL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER ACCEPTABLE TO THE OWNER.
- THE CONTRACTOR SHALL PROMPTLY CORRECT IN A PROFESSIONAL MANNER, AT NO COST TO THE OWNER AND WITHOUT CHANGE IN CONTRACT TIME, ALL NON-CONFORMING OR DEFECTIVE WORK AND DAMAGES CAUSED BY HIS WORK OR WORKMEN WHETHER DISCOVERED BEFORE OR AFTER SUBSTANTIAL COMPLETION.
- THE CONTRACTOR SHALL INSPECT ALL EQUIPMENT AND SYSTEMS FOR PROPER OPERATIONS UPON SUBSTANTIAL COMPLETION OF PROJECT.
- THE CONTRACTOR SHALL THOROUGHLY CLEAN THE ENTIRE PROJECT SITE AND ADJACENT AFFECTED SPACES TO THE SATISFACTION OF THE OWNER.

B. DRAWING CONVENTIONS

- DIMENSIONS TAKE PRECEDENCE OVER SCALE ON THE CONSTRUCTION DRAWINGS. NOTIFY THE idGROUP OF DISCREPANCIES BETWEEN DRAWING DIMENSIONS AND FIELD CONDITIONS.
- DIMENSIONS ARE GIVEN TO FACE OF FINISHED MATERIAL UNLESS OTHERWISE NOTED.
- PARTITION THICKNESS IS DERIVED FROM DESCRIPTION OF THE PARTITION CONSTRUCTION AND/OR DESIGNATED DETAIL.
- PARTITIONS THAT INTERSECT INTERIOR OR EXTERIOR GLAZED WALLS ARE TO BE CENTERED ON MULLIONS AND PERPENDICULAR TO EXTERIOR WALL UNLESS DETAILED OTHERWISE.
- UNLESS OTHERWISE NOTED, PARTITIONS AND OTHER ELEMENTS ON THE DRAWING THAT ARE DRAWN AT AN OBLIQUE ANGLE ARE TO BE CONSTRUCTED AT A 45-DEGREE ANGLE TO THE MAIN GRID.
- WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE NOTED.
- UNLESS DIMENSIONED OTHERWISE, DEPTH OF FURRING ON COLUMNS AND OTHER ELEMENTS IS TO BE HELD TO THE MINIMUM THICKNESS REQUIRED TO CONCEAL MECHANICAL, PLUMBING OR ELECTRICAL COMPONENTS.
- UNLESS OTHERWISE INDICATED, POSITION DOOR JAMBS 6" OFF THE FACE OF ADJACENT INTERSECTING PARTITIONS OR CENTER ON PARTITION.
- OUTLETS THAT OCCUR ON OPPOSITE SIDES OF THE SAME PARTITION ARE TO BE STAGGERED HORIZONTALLY A MINIMUM OF 12" TO MINIMIZE SOUND TRANSMISSION.

C. DEMOLITION, CUTTING, AND PATCHING

- THE CONTRACTOR SHALL INSPECT THE SITE AND CALL ATTENTION TO ENVIRONMENTAL HAZARDS WITH BUILDING MANAGEMENT. SAID HAZARDS ARE TO BE REMOVED AT THE BUILDING'S EXPENSE. REMOVAL TO ADHERE TO THE ENVIRONMENTAL PROTECTION AGENCY'S GUIDELINES.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION, CUTTING AND PATCHING REQUIRED TO FACILITATE COMPLETION OF THE WORK.
- PRIOR TO STARTING WORK, ERECT TEMPORARY BARRIERS AROUND THE PERIMETER OF THE PROJECT AND BASE BUILDING TOILET FACILITIES TO PREVENT THE SPREAD OF DUST AND OTHER CONTAMINANTS TO ADJACENT AREAS OF THE BUILDING. MAINTAIN DUST PROOF AND SOUND BARRIERS THROUGHOUT THE COURSE OF CONSTRUCTION OR UNTIL NO LONGER REQUIRED. REMOVE BARRIERS AND REPAIR ANY DAMAGE CAUSED BY THEIR INSTALLATION TO MATCH ADJACENT SURFACES.
- DEMOLITION WORK SHALL BE COORDINATED WITH THE OWNER TO MINIMIZE DISRUPTION AND INCONVENIENCE TO OTHER TENANTS IN OCCUPIED BUILDINGS. MAINTAIN SAFE MEANS OF ACCESS AND EGRESS TO OCCUPIED TENANT SPACES.
- UNLESS NOTED OTHERWISE, ALL DEMOLISHED DEBRIS, MATERIAL, EQUIPMENT AND FIXTURES BECOME THE PROPERTY OF THE CONTRACTOR WHO IS RESPONSIBLE FOR ITS SAFE REMOVAL FROM THE SITE. DISPOSAL OF DEMOLISHED MATERIAL SHALL BE IN ACCORDANCE WITH APPLICABLE RULES, REGULATIONS AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION. COORDINATE WITH BUILDING MANAGEMENT.
- THE CONTRACTOR SHALL FURNISH BUILDING MANAGEMENT WITH A COMPLETE INVENTORY LIST OF ITEMS THAT CAN BE REUSED AND/OR STORED IN BUILDING STOCK. CAREFULLY REMOVE MATERIAL, EQUIPMENT AND FIXTURES DESIGNATED TO BE SALVAGED AND DELIVER THEM TO BUILDING MANAGEMENT.
- MAINTAIN THE FUNCTION AND INTEGRITY OF EXISTING FIRE, LIFE/SAFETY AND SECURITY SYSTEMS.
- MAINTAIN THE INTEGRITY OF RATED PARTITIONS AND OTHER FIRE RATED ASSEMBLIES. REPAIR OR REPLACE DAMAGED PORTIONS WITH NEW CONSTRUCTION TO MATCH EXISTING AND HAVE REPAIR WORK APPROVED BY THE BUILDING INSPECTOR.
- NEW PIPE, CONDUIT AND DUCT PENETRATIONS OF FIRE RATED ASSEMBLIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AN UNDERWRITERS LABORATORY TESTED DESIGN.
- IN BUILDINGS CONSTRUCTED WITH POST-TENSIONED CONCRETE, LOCATE P-T TENDONS BY X-RAY DETECTION PRIOR TO STARTING OF ANY CUTTING OR DRILLING. COORDINATE ALL SUCH ACTIVITIES WITH BUILDING MANAGEMENT.
- PATCH ALL EXISTING OR NEWLY DAMAGED AREAS TO MATCH ADJACENT SURFACES IN QUALITY, TEXTURE AND COLOR.
- EXISTING CIRCUITS NOT BEING USED ARE TO BE REMOVED TO THE PANEL. BREAKERS SHALL BE LABELED "SPARE" AND LEFT IN THE OPEN POSITION.
- PLUMBING TO BE ABANDONED SHALL BE CAPPED BEHIND EXISTING FINISHED SURFACES. EXISTING SURFACES SHALL BE PATCHED TO MATCH EXISTING ADJACENT FINISHES.

D. GENERAL CONSTRUCTION

- THE CONTRACTOR SHALL FIRMLY ANCHOR PARTITIONS PER JURISDICTION AND INDUSTRY STANDARDS AND USE METAL TRIM ACCESSORIES AT EXPOSED CORNERS, EDGES AND ENDS IN PLASTER AND DRYWALL PARTITIONS.
- THE CONTRACTOR SHALL PROVIDE ACCESS PANELS REQUIRED FOR MECHANICAL, ELECTRICAL AND PLUMBING INSTALLATIONS PER LOCAL BUILDING CODES. LOCATIONS SHALL BE COORDINATED WITH BUILDING MANAGEMENT PRIOR TO INSTALLATION.
- CEILING JOINTS IN THE FIELD SHALL BE SQUARE, LEVEL AND PERFECTLY ALIGNED WITH EACH OTHER AND WITH THE RECESSED LIGHT FIXTURES. ALL RECESSED FIXTURES SHALL BE SET FLUSH INTO CEILING.
- COMMUNICATION, DATA, SECURITY AND SIMILAR SYSTEMS WILL BE FURNISHED AND INSTALLED BY THE TENANT UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE TENANTS VENDORS AND PROVIDE CONDUIT, BOXES AND OTHER ROUGH-IN REQUIREMENTS TO FACILITATE FINAL WIRING INSTALLATION.
- COORDINATE AND FIELD VERIFY THE ROUGH-IN LOCATION OF ELECTRICAL, COMMUNICATION AND DATA CONNECTIONS TO TENANT SUPPLIED FURNITURE SYSTEM.
- WIRING AND CONDUIT IS TO BE CONCEALED IN BOTH NEW AND EXISTING PARTITIONS WITH ALL OUTLETS, SWITCHES AND SIMILAR DEVICES MOUNTED IN RECESSED JUNCTION BOXES WITH FLUSH COVER PLATES. SURFACE MOUNTED CONDUIT, WIREMOLD, OUTLETS, ETC. WILL NOT BE PERMITTED UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE RETURN AIR OPENINGS IN PARTITIONS TO DECK AND ABOVE CEILINGS TO MATCH AREA CALCULATION REQUIREMENTS AS SHOWN ON ENGINEERING DRAWINGS. OPENINGS IN DEMISING AND SOUND ATTENUATED WALLS TO HAVE SOUND BOOTS. OPENINGS IN FIRE RATED WALLS SHALL HAVE FIRE OR SMOKE DAMPERS AS REQUIRED BY CODE. OPENINGS SHALL BE SUFFICIENTLY FRAMED FOR VIBRATION.
- DUCTWORK SHALL BE INSULATED FOR THERMAL AND ACOUSTIC CONSIDERATIONS.
- WOOD CASEWORK SHALL CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI) "PREMIUM GRADE" QUALITY STANDARDS AND SHALL BE "FLUSH OVERLAY" CONSTRUCTION UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
- PLASTIC LAMINATE CASEWORK SHALL CONFORM TO ARCHITECTURAL WOODWORK INSTITUTE (AWI) "CUSTOM GRADE" QUALITY STANDARDS AND SHALL BE "FLUSH OVERLAY" CONSTRUCTION UNLESS DETAILED OTHERWISE ON THE DRAWINGS.
- CASEWORK SHALL BE SCRIBED TO WALL OR CEILING. CONTRACTOR SHALL COORDINATE WITH OTHER INVOLVED TRADES.
- LOCKSETS SHALL BE "KEYED" IN ACCORDANCE WITH BUILDING MANAGEMENT'S REQUIREMENTS. "KEYS" ARE TO BE PROPERLY TESTED AND DELIVERED TO BUILDING MANAGEMENT. THE NUMBER OF MASTER AND PASS KEYS SHALL BE COORDINATED WITH BUILDING MANAGEMENT.
- WOOD SHELVEING AND PAINTED DOORS SHALL RECEIVE PRIMING, SANDING AND (2) FULL COATS OF SEMI-GLOSS ENAMEL, FREE OF BRUSH STROKES.
- GRIND, SAND, LEVEL OR FLOAT FLOOR AND WALL SURFACES AS NECESSARY TO ACHIEVE A LEVEL, SMOOTH SUBSTRATE ACCEPTABLE FOR INSTALLATION OF THE SPECIFIED FINISH MATERIAL.
- PREPARE WALL AND FLOOR SURFACES TO MEET STANDARD SMOOTHNESS AND LEVELING MATERIAL REQUIREMENTS AS SPECIFIED BY THE MANUFACTURER AND CONTRACT DOCUMENTS PRIOR TO INSTALLATION OF NEW BUILDING FINISHES.

D. GENERAL CONSTRUCTION (CONT.)

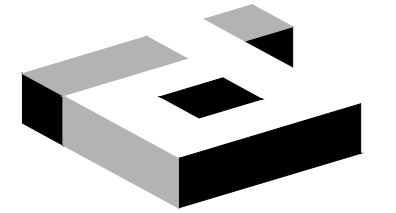
- EXISTING APPURTENANCES NOT BEING REMOVED SHALL BE REFURBISHED, LOOSE ITEMS TIGHTENED AND MISSING OR BROKEN PARTS REPLACED TO ACHIEVE A FINISHED FIRST CLASS INSTALLATION AND "LIKE-NEW" APPEARANCE.
- THE CONTRACTOR SHALL REMOVE SWITCH PLATES, OUTLET PLATES, SURFACE HARDWARE, ETC. PRIOR TO PAINTING. REPLACE SAME WHEN PAINTING HAS BEEN COMPLETED. REMOVE PAINT SPLATTERS FROM ADJACENT SURFACES - I.E. MULLIONS, CEILING GRID, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH LOCAL V.O.C. REGULATIONS FOR MATERIALS USED IN CONSTRUCTION.
- TILE SHALL BE LAID IN SQUARE PATTERN PARALLEL TO WALLS UNLESS OTHERWISE NOTED.
- ALL VARYING FLOOR MATERIAL SHALL BE INSTALLED FLUSH TO EACH OTHER. TRANSITIONS SHALL BE CENTERED ON DOOR UNLESS OTHERWISE NOTED.
- SPACES BEING SURFACED SHALL BE CLOSED TO TRAFFIC AND OTHER WORK DURING THE LAYING OF FLOORING, STONE, WOOD, OR OTHER MATERIAL. FINISHED FLOORS SHALL BE COVERED AFTER INSTALLATION FOR PROTECTION.

E. REQUIRED APPROVALS AND SUBMITTALS

- WHERE THE TERMS "APPROVED EQUAL", "OTHER APPROVED", "EQUAL TO", "ACCEPTABLE" OR OTHER GENERAL QUALIFYING TERMS ARE USED, IT SHALL BE UNDERSTOOD THAT REFERENCE IS MADE TO THE RULING AND JUDGMENT OF BUILDING MANAGEMENT AND MUST BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE OR USE.
- THE CONTRACTOR SHALL HAVE (10) WORKING DAYS FROM AWARD OF THE CONTRACT TO SUBMIT SUBSTITUTIONS OF SPECIFIED PRODUCTS OR WORK FOR REVIEW BY BUILDING MANAGEMENT AND SHALL INCLUDE CUT SHEETS WITH SPECIFICATIONS AND REASONS FOR SUBSTITUTION. NO SUBSTITUTIONS SHALL BE ACCEPTED AFTER THE INITIAL TIME LIMIT HAS EXPIRED.
- WHERE REQUIRED BY BUILDING MANAGEMENT, THE CONTRACTOR SHALL REVIEW, SIGN, DATE AND SUBMIT A MINIMUM OF (3) SETS OF COMPLETE AND DETAILED SHOP DRAWINGS, FINISHES, FIXTURE AND EQUIPMENT CUT SHEETS TO idGROUP FOR REVIEW. THE idGROUP SHALL HAVE (10) WORKING DAYS TURNAROUND TIME FROM RECEIPT OF SUBMITTAL. ALL SHOP DRAWINGS AND CUT SHEETS SIGNED "REVIEWED" SHALL SUPERSEDE ORIGINAL DRAWINGS IN DESIGN APPEARANCE ONLY. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS IN THEIR DRAWINGS.
- IN THE EVENT THAT THE FOREMENTIONED DRAWINGS, SPECIFICATIONS, ETC. ARE NOT SUBMITTED FOR REVIEW AND APPROVAL, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE REPLACEMENT, CORRECTION OR ACQUISITION OF PRODUCTS TO COMPLY WITH OWNER'S SPECIFICATION AND APPROVAL.
- THE CONTRACTOR SHALL PROVIDE CHALK LINES ON THE SLAB OF PARTITIONS FOR APPROVAL PRIOR TO FRAMING AND SHALL NOTIFY idGROUP OF ANY DEVIATION FROM CONSTRUCTION DIMENSIONS OR CLEARANCES AS DESIGNATED ON THE DRAWINGS OR OF APPARENT CONSTRUCTION CONFLICTS.
- BUILDING MECHANICAL AND ELECTRICAL SERVICE SHUT DOWN REQUIRED FOR THIS PROJECT SHALL BE SUBMITTED IN WRITING TO BUILDING MANAGEMENT BY THE CONTRACTOR A MINIMUM OF (72) HOURS IN ADVANCE OF THE SHUT DOWN. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM AUTHORITIES HAVING JURISDICTION PRIOR TO SHUT DOWN AND SHALL NOT OVERLY INCONVENIENCE BUILDING OCCUPANTS.
- UPON SUBSTANTIAL COMPLETION OF WORK, THE HVAC SYSTEM SHALL BE BALANCED BY A QUALIFIED ENGINEER AND A WRITTEN REPORT SHALL BE SUBMITTED TO BUILDING MANAGEMENT.
- UPON SUBMISSION OF THE "FINAL APPLICATION FOR PAYMENT", THE CONTRACTOR SHALL PROVIDE BUILDING MANAGEMENT WITH (1) SET OF AS-BUILT DOCUMENTATION INCLUDING DRAWINGS, SPECIFICATIONS, ADDENDA, CHANGE ORDERS, PRODUCT DATA, EQUIPMENT WARRANTIES AND MANUALS, FINISH SAMPLES AND OTHER REQUIRED SUBMITTALS. THE CONTRACTOR SHALL PROVIDE BUILDING MANAGEMENT WITH A WRITTEN WARRANTY COVERING ALL WORK PERFORMED UNDER THE CONTRACT. WARRANTY SHALL BE FOR A PERIOD OF ONE YEAR COMMENCING ON THE DATE OF SUBSTANTIAL COMPLETION AND SHALL BE INCLUDED WITH THIS SUBMITTAL.
- THE CONTRACTOR SHALL SUPPLY LIEN WAIVERS RELATING TO ALL WORK WITH THE "FINAL APPLICATION FOR PAYMENT" TO BE REVIEWED FOR "FINAL CERTIFICATE OF PAYMENT".
- CHANGES IN WORK
 - THE TENANT WITHOUT INVALIDATING THE CONTRACT, MAY ORDER EXTRA WORK OR MAKE CHANGES BY ALTERING, ADDING TO OR DEDUCTING FROM THE WORK - THE CONTRACT SUM BEING ADJUSTED ACCORDINGLY. SUCH WORK SHALL BE EXECUTED UNDER THE CONDITIONS OF THE ORIGINAL CONTRACT EXCEPT THAT ANY CLAIM FOR EXTENSIONS OF TIME CAUSED THEREBY SHALL BE INDICATED ON THE CHANGE ORDER.
 - CLAIMS FOR ADDITIONAL WORK WILL BE SUBMITTED IN WRITING FOR REVIEW BY BUILDING MANAGEMENT AND SHOULD INCLUDE A COMPLETE DESCRIPTION OF THE WORK, MATERIALS BEING USED, THE ROOM NUMBER OR AREA AFFECTED, AND THE AUTHORIZATION UNDER WHICH THE WORK IS BEING PERFORMED.

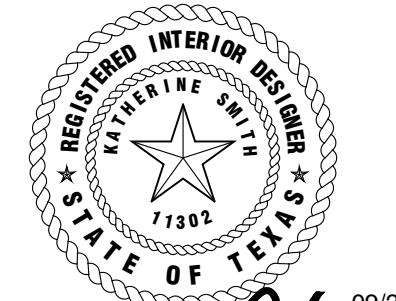
PROJECT NOTES

- THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT, OR MATERIAL REQUIRED FOR DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE, WILL NOT BE RECOGNIZED. idGROUP IS NOT COMMISSIONED TO VERIFY EVERY EXISTING CONDITION, VISIBLE OR OTHERWISE, THEREFORE IT IS THE GENERAL CONTRACTOR'S OBLIGATION TO ASSUME ALL RESPONSIBILITY FOR MODIFYING ANY AND ALL EXISTING CONDITIONS TO MEET THE DESIGN INTENT OF THESE DRAWINGS.
- BULLETED NOTES ARE GENERAL CONDITIONS REQUIRED FOR THE PLAN. NUMBERED NOTATIONS REFERENCE SPECIFIC LOCATIONS ON THE DRAWINGS.
- THE BUILDING ENVELOPE, MECHANICAL, ELECTRICAL, SERVICE-WATER HEATING AND ILLUMINATION SYSTEMS, AND EQUIPMENT SHALL COMPLY WITH THE MOST CURRENT APPLICABLE INTERNATIONAL ENERGY CONSERVATION CODE, AS RECOGNIZED BY THE MUNICIPALITY GOVERNING THIS PROJECT.
- ITEMS NOTED TO BE "TOUCHED-UP" ARE TO BE BROUGHT TO AN ACCEPTABLE INDUSTRY STANDARD LEVEL OF REFURBISHMENT. IF AN ENTIRE WALL(S) REQUIRES REPAINTING IN ORDER TO ACHIEVE AN ACCEPTABLE FINISH, INCLUDE NECESSARY FEES IN BID TO DO SO.
- RETURN REUSABLE MATERIALS TO BUILDING STOCK. VERIFY ACCEPTABILITY OF MATERIALS WITH BUILDING MANAGER.
- REUSE AS MANY EXISTING MATERIALS FROM LEASE AS POSSIBLE, TOUCH UP. VERIFY AVAILABILITY OF MATERIALS TO BE USED FROM BUILDING STOCK WITH BUILDING MANAGER.
- CONTRACTOR TO PROTECT PUBLIC CORRIDOR, ADJACENT SPACES, AND MATERIALS DURING CONSTRUCTION FROM DUST, DIRT, NOISE, AND HARM.
- ALL CONSTRUCTION MATERIALS TO BE ASBESTOS FREE. idGROUP SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), OR OTHER TOXIC SUBSTANCES.
- EXISTING PUBLIC RESTROOMS ARE NOT INCLUDED IN THIS SCOPE OF WORK. IF APPLICABLE, COORDINATE WITH BUILDING MANAGEMENT FOR ANY NEW CONSTRUCTION REQUIRED IN RESTROOMS TO ENSURE ADA/TAS COMPLIANCE.
- CONFIRM ALL BUILDING STANDARD SPECIFICATIONS WITH BUILDING MANAGER.
- COORDINATE WITH BUILDING MANAGEMENT FOR ALL DEMOLISHED MATERIALS FOR PROPER STORAGE OR DISPOSAL.
- REMOVE ALL DOORS SHOWN TO BE DEMOLISHED AND SALVAGE FOR POSSIBLE RE-USE IN NEW CONSTRUCTION. CONTRACTOR TO VERIFY QUANTITY, QUALITY, AND CORRECT DOOR SWINGS OF EXISTING DOORS AVAILABLE TO RE-USE.
- REMOVE NAILS AND SCREWS FROM EXISTING WALLS. REPAIR HOLES AND SCRATCHES. PREPARE ALL WALL SURFACES FOR NEW SCHEDULED FINISHES.
- PROVIDE NEW BUILDING STANDARD DOOR STOPS AT ALL NEW DOOR LOCATIONS. REPLACE IF DAMAGED OR MISSING AT ALL EXISTING DOOR LOCATIONS.
- IF NOT ALREADY EXISTING, PROVIDE MINIMUM REQUIRED GYPSUM BOARD FURRING AT FIRE RATED CORE WALLS FOR MILLWORK, MILLWORK STANDARDS, PLUMBING, LIGHT SWITCHES AND/OR ELECTRICAL/TELEPHONE OUTLETS. DO NOT PENETRATE FIRE-RATED PARTITIONS.
- PATCH AND REPAIR WALLS WHERE DEMOLITION, DAMAGE, OR INCOMPLETE WORK HAS OCCURRED. PREPARE SURFACES FOR NEW SCHEDULED FINISHES AND TEXTURES.
- PROVIDE FIRE RETARDANT TREATED WOOD BLOCKING WITHIN WALL TO SUPPORT MILLWORK, STANDARDS, AND WALL HUNG EQUIPMENT.
- ALL NEW MILLWORK TO MEET ADA/TAS REQUIREMENTS.
- PROVIDE FIRE EXTINGUISHERS IN TENANTS LEASE PER CODE. NOT TO EXCEED 75 FEET.
- PROVIDE NEW SWITCH & OUTLETS COVER PLATES WHERE MISSING OR DAMAGED TO MATCH EXISTING.
- CONTRACTOR TO UPDATE ALL PANEL SCHEDULES TO REFLECT CORRECT BREAKER ASSIGNMENTS. PROVIDE DIAGRAM TO BUILDING ENGINEER.
- NEW OUTLETS TO BE MOUNTED AT 17" AF F. OUTLETS ABOVE STANDARD MILLWORK TO BE MOUNTED HORIZONTALLY AT 42" A.F.F., ON CENTER, U.N.O.
- SECURITY, TELEPHONE, AND COMPUTER CABLING WORK TO BE COMPLETED BY TENANTS PROVIDER. GC TO PROVIDE PATHWAY, RING, AND STRING ONLY AT INDICATED LOCATIONS.
- REMOVE EXCESS WIRING RESULTING FROM DEMOLITION.
- EXISTING ELECTRICAL OUTLETS LOCATED ON PARTITIONS TO BE DEMOLISHED ARE NOT SHOWN AND ARE TO BE REMOVED, INCLUDING CONDUIT AND WIRING, BACK TO THEIR RESPECTIVE ELECTRICAL PANELS.
- VERIFY THE AVAILABILITY OF CIRCUITRY ON EXISTING ELECTRICAL PANELS. RECIRCUIT OUTLETS LEFT ON INCOMPLETE CIRCUITS INTO NEW CONSTRUCTION.
- WHERE ELECTRICAL OUTLETS ARE REQUIRED WITHIN (3) FEET OF A SINK, PROVIDE GFI CIRCUITS AS REQUIRED BY CODE.
- EXISTING SWITCHES NOT NOTED ON PLAN AND THAT ARE NOT LOCATED ADJACENT TO LATCH SIDE OF DOORS ARE TO BE REMOVED AND WALL PATCHED TO MATCH ADJACENT WALL CONSTRUCTION.
- PROVIDE EITHER DUAL SWITCHING OR MOTION SENSORS AT ALL ROOMS SWITCHED WITH MORE THAN ONE LIGHT FIXTURE AND IN ROOMS THAT ARE 250 SQ. FT. OR MORE. PROVIDE WATTSTOPPER MOTION SENSORS AND/OR ULTRASONIC DEVICES FOR ROOMS THAT ARE 250 SQ. FT. OR MORE, IN ALL AREAS INCLUDED IN IECC CALCULATIONS.
- SWITCHES INDICATE LOCATION ONLY. SUBSCRIPT LETTERS INDICATE DESIRED SWITCHING. GENERAL CONTRACTOR TO VERIFY QUANTITY OF LIGHT FIXTURES PER CIRCUIT AND QUANTITY OF SWITCHES REQUIRED. ALL NEW SWITCHES TO BE MOUNTED 48" A.F.F. TO CENTERLINE OF SWITCH.
- CLEAN SUPPLY AND RETURN GRILLS THROUGHOUT, U.N.O.
- SURFACE MOUNTED FIRE SAFETY DEVICES TO BE PLACED AWAY FROM CENTERS OF ALL WALLS. PLACEMENT TO COMPLY WITH ALL CODES. WHERE POSSIBLE, COORDINATE WITH TENANT FOR DESIRED LOCATIONS.
- FIRE PROTECTION CONTRACTOR TO VERIFY REQUIREMENTS AND QUANTITY OF FIRE PROTECTION DEVICES. INCLUDE SMOKE DETECTORS, FIRE ALARMS, SPEAKERS, STROBES, ETC. INCLUDE COSTS TO THE SUCH DEVICES INTO BUILDING PANEL. LIFE SAFETY INSTALLATIONS TO MEET ADA/TAS REQUIREMENTS. SUBMIT CITY APPROVED FIRE PROTECTION PLAN FOR SPRINKLER LOCATIONS TO BUILDING MANAGER FOR APPROVAL.
- ALL PAINTED WALLS SHALL RECEIVE TWO COATS OF LATEX PAINT IN BUILDING STANDARD FINISH.
- TOUCH-UP OR REPAIR ALL WALLS AS NEEDED AFTER COMPLETION OF TENANT LEASE SPACE.
- EXISTING WINDOW COVERINGS TO REMAIN, U.N.O. CLEAN AND REPAIR THROUGHOUT. REPLACE TO MATCH EXISTING, IF MISSING OR DAMAGED BEYOND REPAIR.
- CLEAN ALL EXISTING LIGHT FIXTURES THROUGHOUT, U.N.O.



idGROUP

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Katherine Christman 09/29/20

PROJECT NO.: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5,757

BILLINGSLEY
COMPANY

3501 OLYMPUS

KFM

3501 OLYMPUS BLVD.
SUITE #100
DALLAS, TX 75019

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LANDLORD/CLIENT REVIEW ISSUE DATE: 09/29/20
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PERMIT ISSUE DATE: 09/29/20

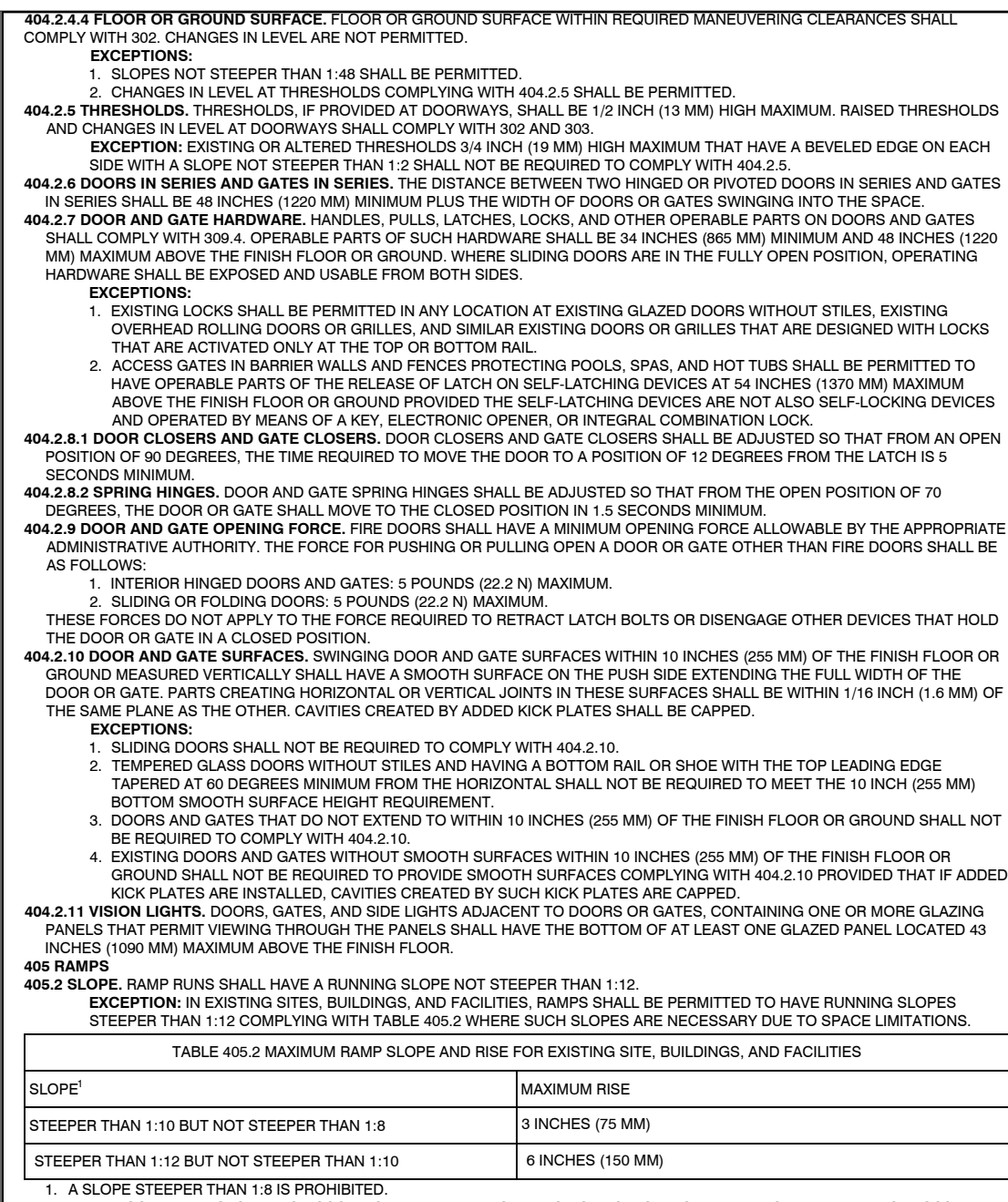
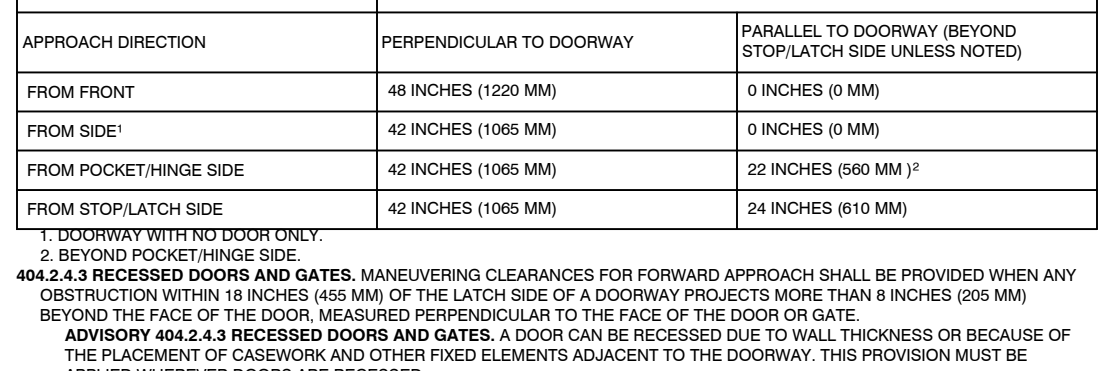
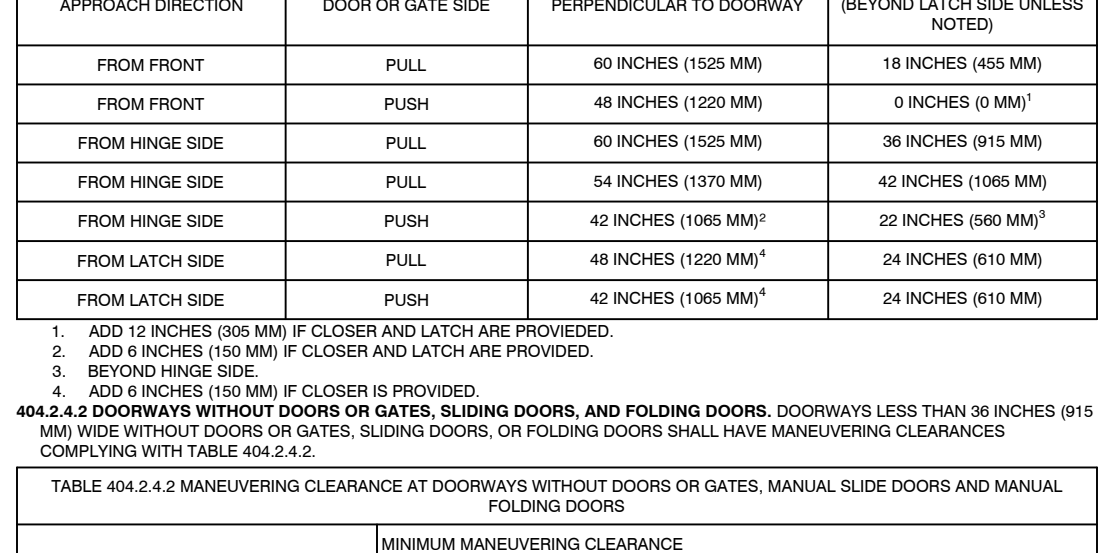
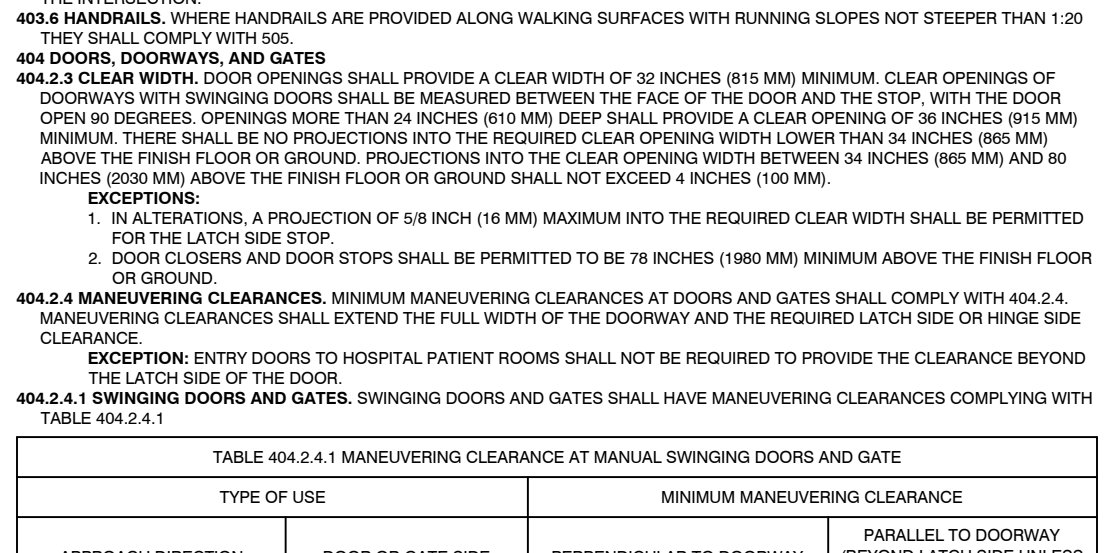
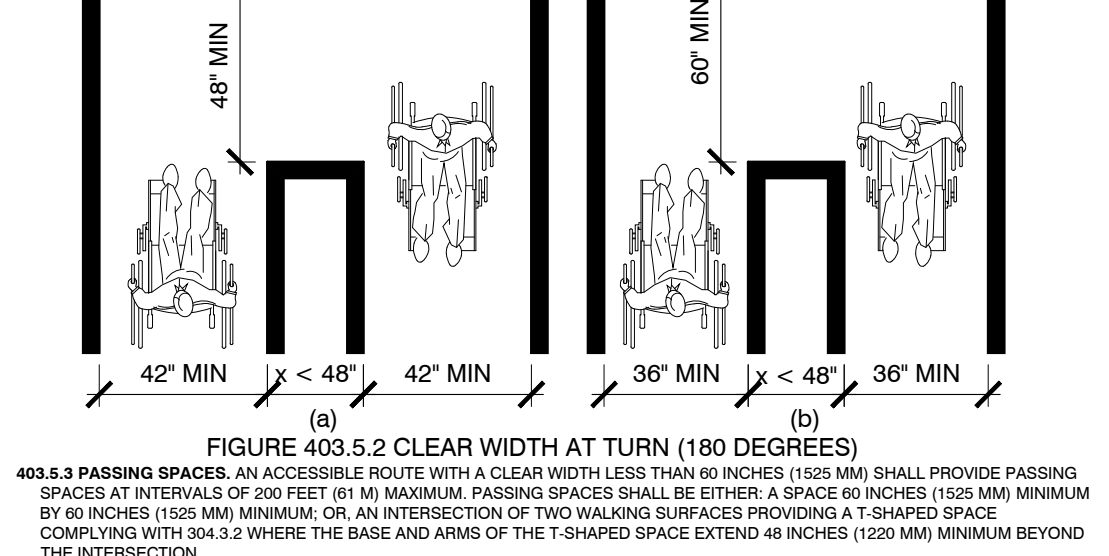
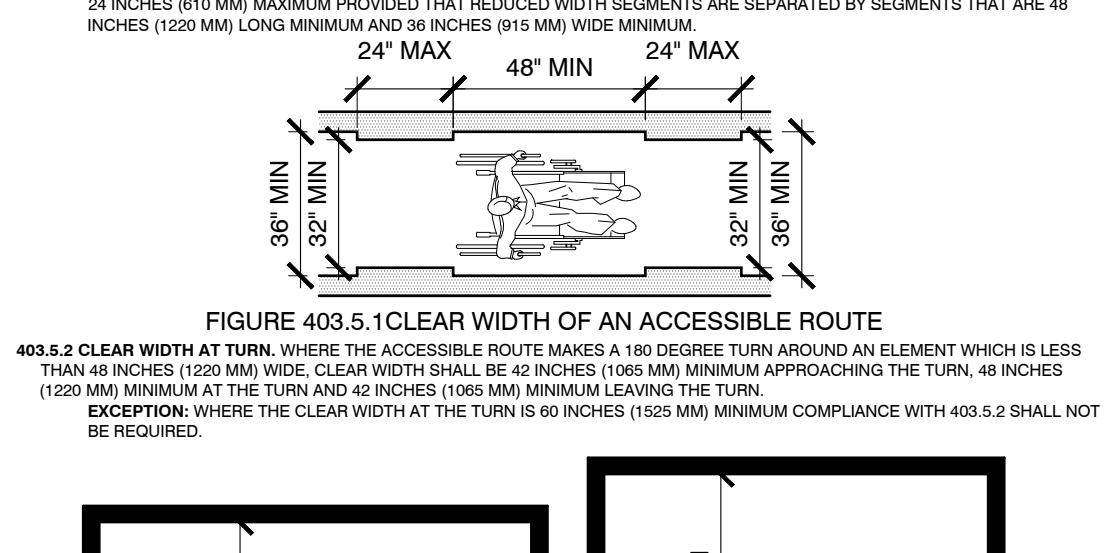
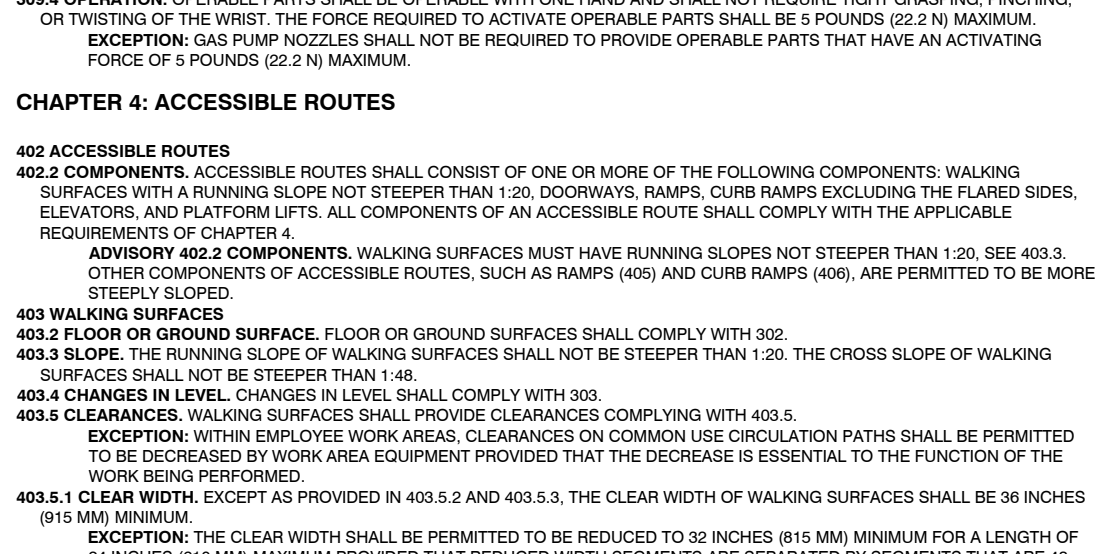
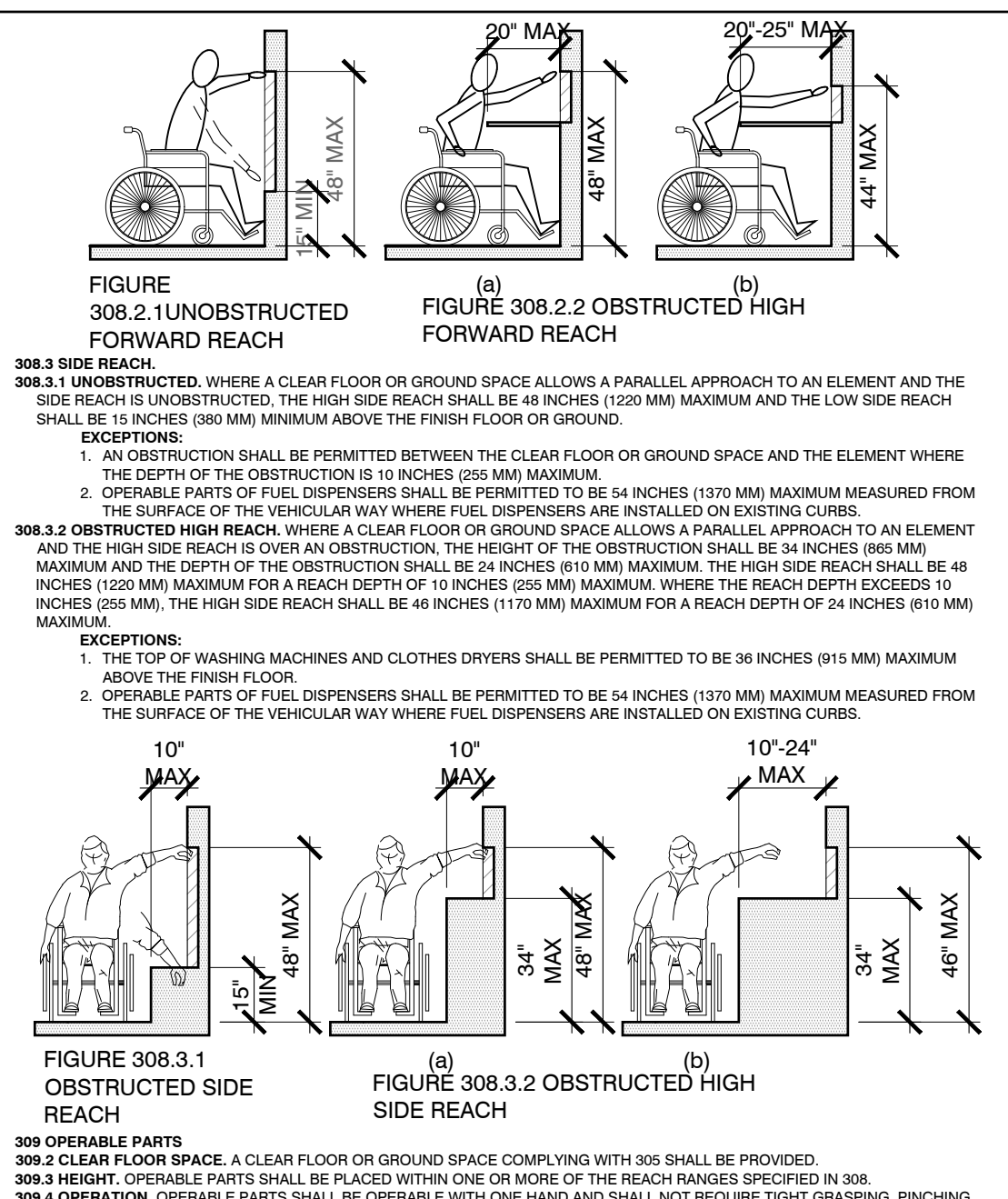
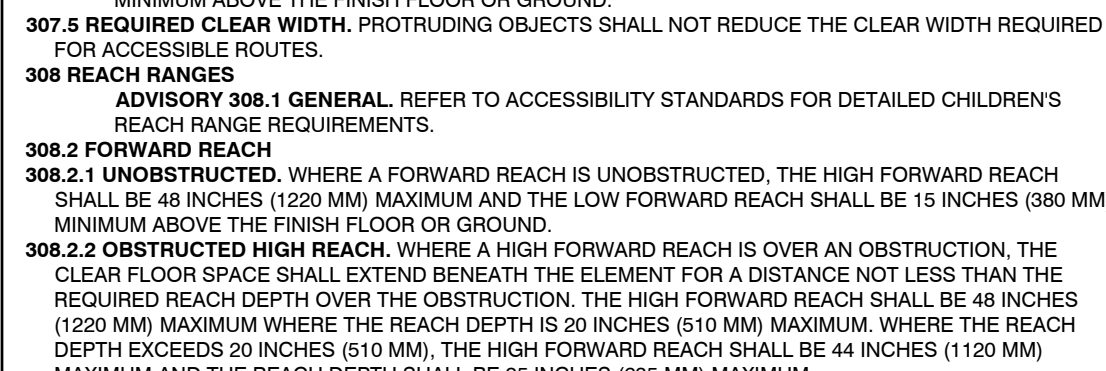
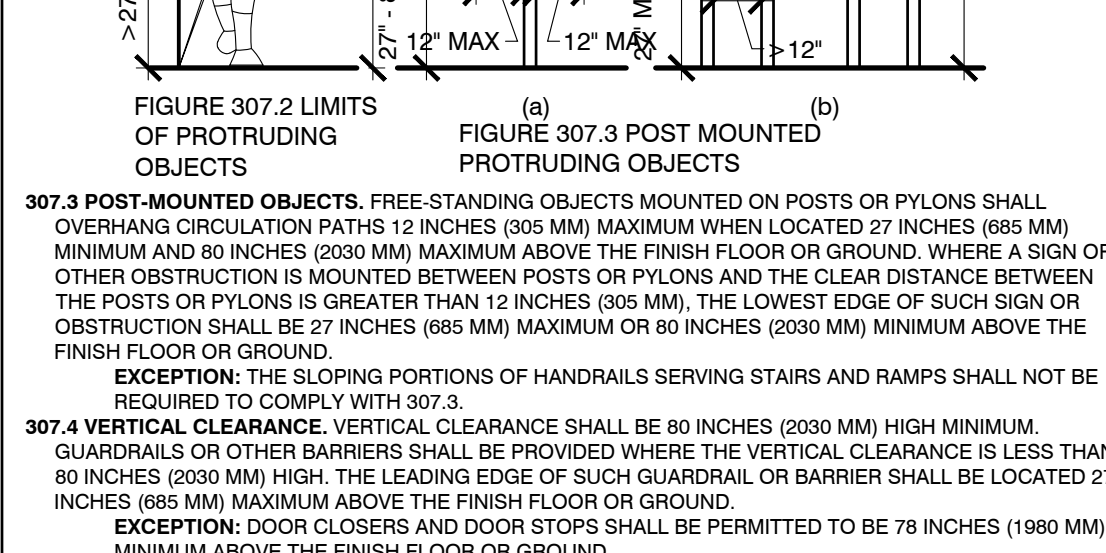
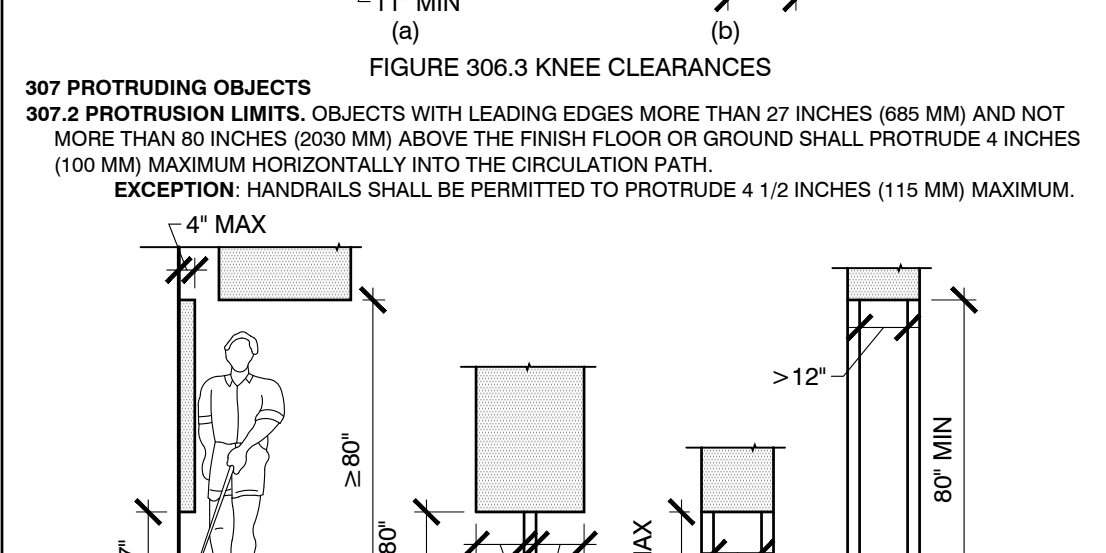
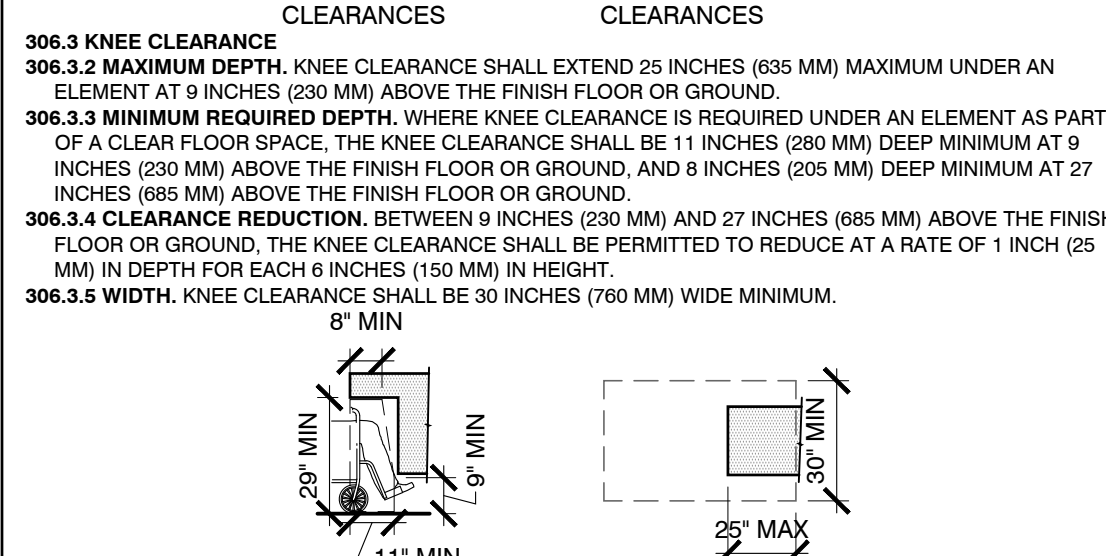
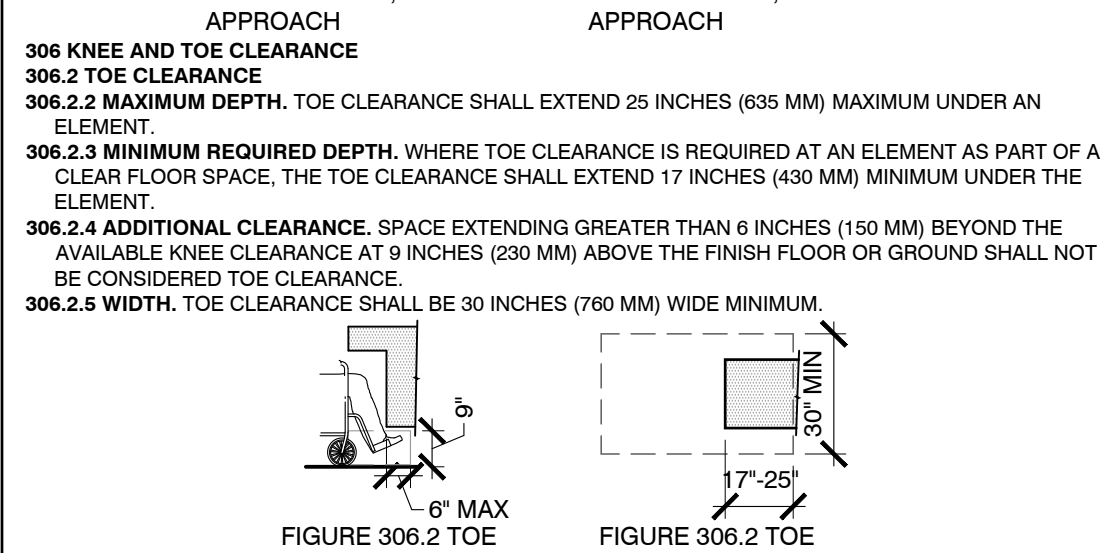
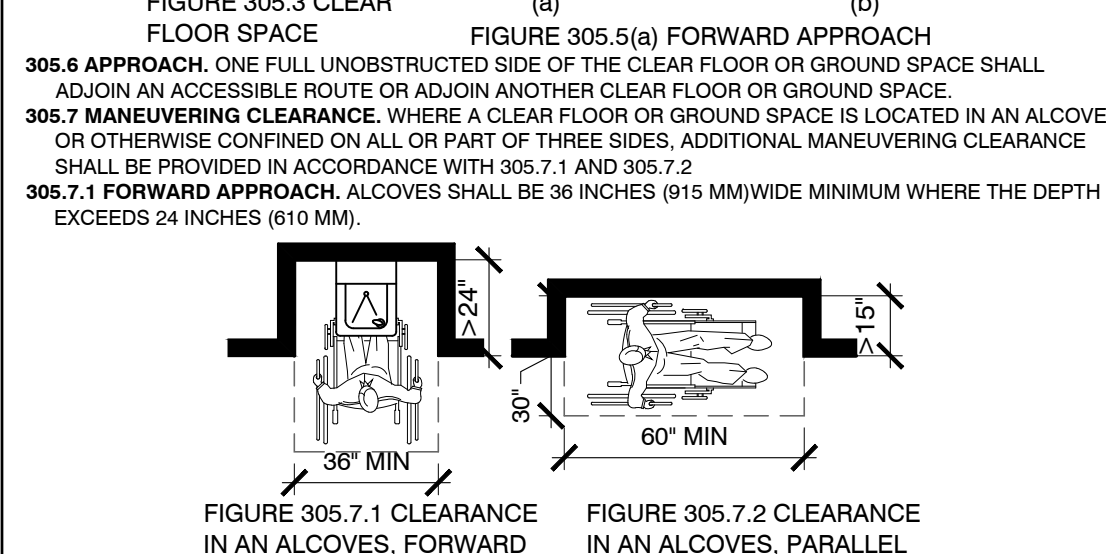
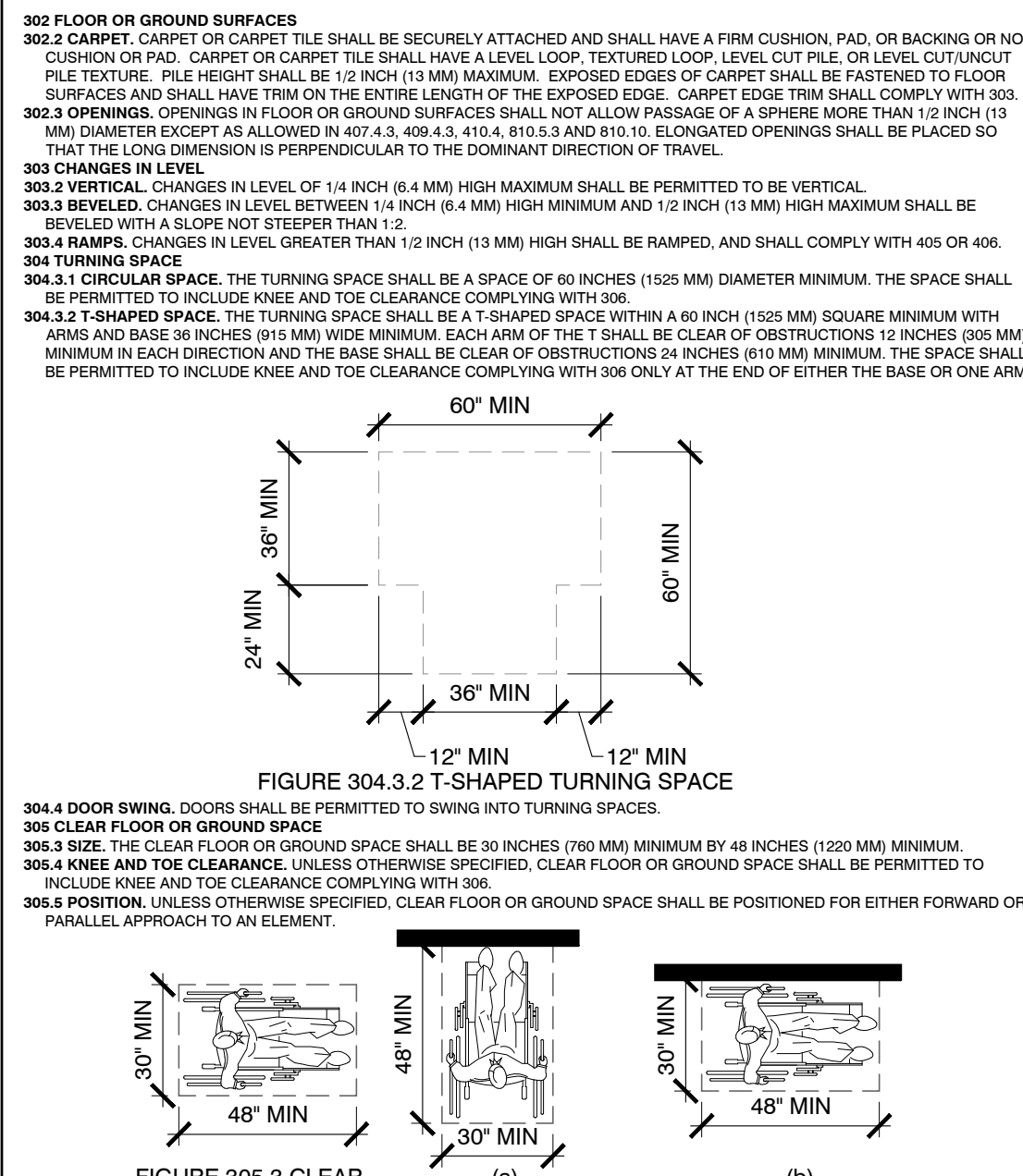
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GENERAL NOTES

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CHAPTER 3: BUILDING BLOCKS



604.8.1 APPROACH. COMPARTMENTS SHALL BE ARRANGED FOR LEFT HAND OR RIGHT HAND APPROACH TO THE WATER CLOSET.
604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES (230 MM) MINIMUM ABOVE THE FINISH FLOOR AND 4 INCHES (103 MM) DEEP MINIMUM BEYOND THE COMPARTMENT. SIDE FACE OF THE PARTITION EXCEPT MEMBERS, COMPARTMENTS FOR CHILDREN 12 AND UNDER SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES (305 MM) MINIMUM ABOVE THE FINISH FLOOR.
EXCEPTION: TOE CLEARANCE AT THE FRONT PARTITION (CANNOT BE REQUIRED) IN A COMPARTMENT GREATER THAN 42 INCHES (1075 MM) DEEP WITH A WALL HUNG WATER CLOSET OR 48 INCHES (1230 MM) DEEP WITH A FLOOR MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 48 INCHES (1230 MM) DEEP. TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT FOR CHILDREN USE THAT IS GREATER THAN 66 INCHES (1680 MM) DEEP.

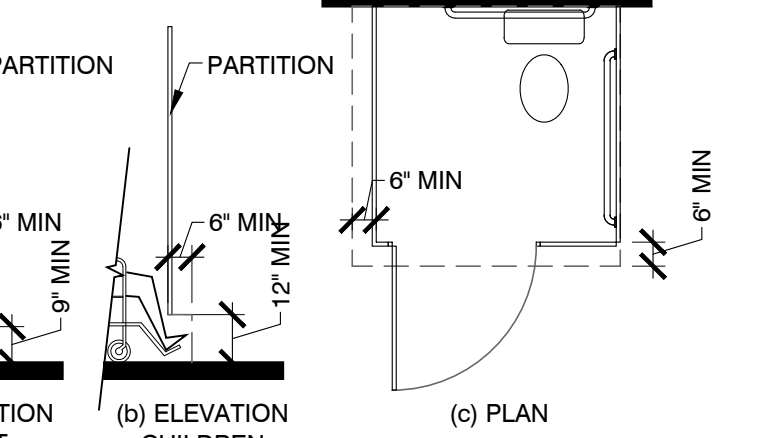


FIGURE 604.8.1.4 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

604.8.1.5 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609.4. SIDE WALL GRAB BAR COMPLIING WITH 604.8.1.5.1 SHALL BE PROVIDED AND SHALL BE LOCATED ON THE WALL CLOSEST TO THE WATER CLOSET. IN ADDITION, A REAR WALL GRAB BAR COMPLIING WITH 604.8.1.5.2 SHALL BE PROVIDED.
604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.2.1 THROUGH 604.8.2.4.
604.8.2.1 SIZE. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 60 INCHES (1525 MM) MINIMUM AND A WIDTH OF 52 INCHES (1320 MM) MINIMUM AND 4 INCHES (103 MM) MAXIMUM.
604.8.2.2 DOORS. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH 604.8. EXCEPT THAT IF THE APPROACH IS TO THE LATCH SIDE OF THE COMPARTMENT CLEARANCE BETWEEN THE DOOR AND THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES (1065 MM) MINIMUM. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLIING WITH 604.8.1.3 SHALL BE PROVIDED ON THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.
604.8.2.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609.4. SIDE WALL GRAB BAR COMPLIING WITH 604.8.1.5.1 SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT.

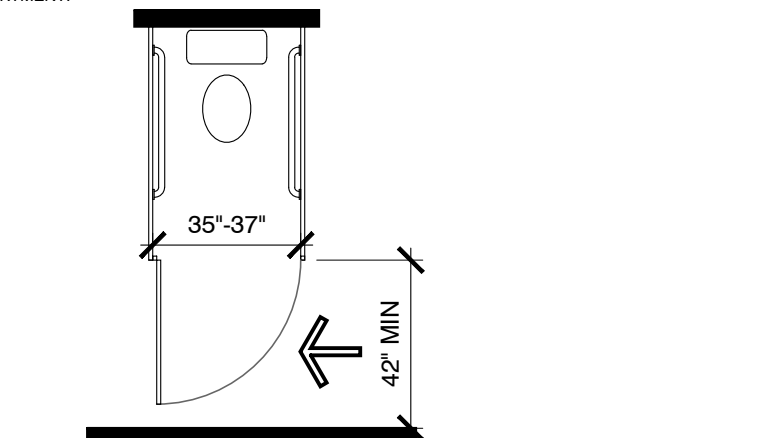


FIGURE 604.8.2 AMBULATORY ACCESSIBLE TOILET COMPARTMENT

604.8.3 COAT HOOKS AND SHELVES. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308. SHELVES SHALL BE LOCATED 48 INCHES (1219 MM) MINIMUM AND 48 INCHES (1230 MM) MAXIMUM ABOVE THE FINISH FLOOR.
604.8.4 WATER CLOSETS AND TOILETS FOR CHILDREN USE. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN USE SHALL COMPLY WITH 604.9.
ADVISORY 604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN USE. THE REQUIREMENTS IN 604.9 ARE TO BE FOLLOWED WHERE THE EXCEPTION FOR CHILDREN'S WATER CLOSETS IN 604.1 IS USED. THE FOLLOWING TABLE PROVIDES ADDITIONAL GUIDANCE REGARDING THE SPECIFICATIONS FOR WATER CLOSETS FOR CHILDREN ACCORDING TO THE AGE GROUP SERVED AND REFLECTS THE DIFFERENCES IN THE SIZE, STATURE, AND REACH RANGES OF CHILDREN AGES 3 THROUGH 12. THE SPECIFICATIONS CORRESPOND TO THE AGE GROUP OF THE PRIMARY USER GROUP. THE SPECIFICATIONS OF ONE AGE GROUP SHOULD BE APPLIED CONSISTENTLY AT THE INSTALLATION OF A WATER CLOSET AND RELATED ELEMENTS.

ADVISORY SPECIFICATIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3 THROUGH 12			
	AGES 3-4	AGES 5-6	AGES 9-12
WATER CLOSET CENTERLINE	12 INCHES (305 MM)	12-15 INCHES (305-380 MM)	15-18 INCHES (380-455 MM)
TOILET SEAT HEIGHT	11-12 INCHES (280-305 MM)	12-15 INCHES (305-380 MM)	15-17 INCHES (380-430 MM)
GRAB BAR HEIGHT	18-20 INCHES (455-510 MM)	20-25 INCHES (510-635 MM)	25-27 INCHES (635-685 MM)
DISPENSER HEIGHT	14 INCHES (355 MM)	14-17 INCHES (355-430 MM)	17-19 INCHES (430-485 MM)

604.9.1 LOCATION. THE WATER CLOSET SHALL BE LOCATED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 12 INCHES (305 MM) MINIMUM AND 18 INCHES (455 MM) MAXIMUM FROM THE CENTERLINE OF THE TOILET OR WATER CLOSET. THE WATER CLOSET SHALL BE 12 INCHES (305 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN 604.8.2.
604.9.2 CLEARANCE. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES (1525 MM) MINIMUM.
604.9.3 HEIGHT. THE HEIGHT OF WATER CLOSETS SHALL BE 11 INCHES (280 MM) MINIMUM AND 17 INCHES (430 MM) MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE OPERATED OR ADJUSTED TO A LIFTED POSITION.
604.9.4 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609.4.
604.9.5 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.2 AND 309.4.2. SEATS SHALL BE INSTALLED 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR. SLUSH CONTROLS SHALL BE INSTALLED 48 INCHES (1230 MM) ABOVE THE FINISH FLOOR EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS COMPLIING WITH 604.8.2.
604.9.6 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES (180 MM) MINIMUM AND 9 INCHES (230 MM) MAXIMUM IN FRONT OF THE WATER CLOSET MEASUREMENT TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 14 INCHES (355 MM) MINIMUM AND 19 INCHES (485 MM) MAXIMUM ABOVE THE FINISH FLOOR. THERE SHALL BE A CLEARANCE OF 12 INCHES (305 MM) FROM THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS FLOW.
604.9.7 TOILET COMPARTMENTS. TOILET COMPARTMENTS SHALL COMPLY WITH 604.8.
605. URINALS. URINALS SHALL COMPLY WITH 605.
605.1 GENERAL. URINALS PROVIDE GREATER ACCESSIBILITY FOR A BROADER RANGE OF PERSONS, INCLUDING PEOPLE OF SHORT STATURE.
605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE WALL TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES (430 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 INCHES (330 MM) DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.

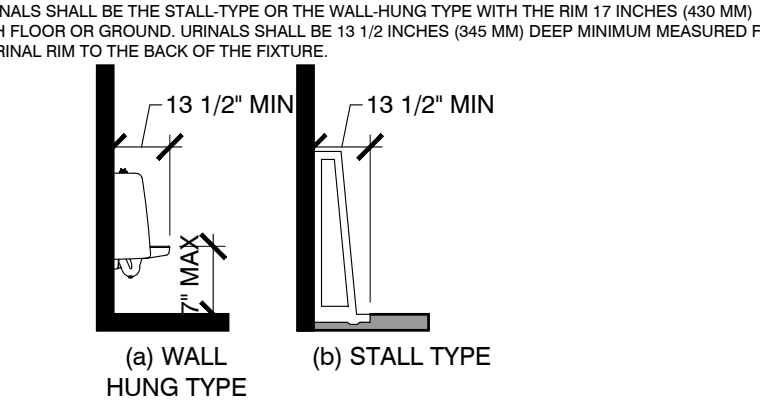


FIGURE 605.2 HEIGHT AND DEPTH OF URINALS

605.3 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH SHALL BE PROVIDED.
605.4 FLUSH CONTROLS. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH 309.
606 LAVATORIES AND SINKS. GENERAL. IF SOAP AND TOWEL DISPENSERS ARE PROVIDED, THEY MUST BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN 308. LOCATE SOAP AND TOWEL DISPENSERS SO THAT THEY ARE CONVENIENTLY USABLE BY A PERSON AT THE ACCESSIBLE LAVATORY.
606.1 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE COMPLYING WITH 305, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND ANGLE CLEARANCE COMPLIING WITH 305 SHALL BE PROVIDED.
EXCEPTIONS:
 1. A PARALLEL APPROACH COMPLIING WITH 305 SHALL BE PERMITTED TO A KITCHEN SINK IN A SPACE WHERE A COUNTER TOP OR CONVENTIONAL RANGE IS NOT PROVIDED AND TO WET BARS.
 2. A LAVATORY IN A TOILET ROOM OR BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSIBLE ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE. THE CLEARANCE SHALL NOT BE REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLIING WITH 305.
 3. IN RESIDENTIAL DWELLING UNITS, CABINETS SHALL BE PERMITTED UNDER LAVATORIES AND KITCHEN SINKS PROVIDED THAT ALL OF THE FOLLOWING CONDITIONS ARE MET:
 (a) THE CABINETS CAN BE REMOVED OR REPLACED WITH THE FINISH FLOOR.
 (b) THE WALLS BEHIND AND SURROUNDING THE CABINETS ARE FINISHED.
 (c) THE FINISH FLOOR EXTENDS UNDER THE CABINETS, AND
 (d) THE WALLS BEHIND AND SURROUNDING THE CABINETS ARE FINISHED.
 4. A KNEE CLEARANCE OF 24 INCHES (610 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SHALL BE PERMITTED AT LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN 12 YEARS THROUGH 17 YEARS WHERE THE RM OR COUNTER SURFACE IS 36 INCHES (915 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
 5. A PARALLEL APPROACH COMPLIING WITH 305 SHALL BE PERMITTED TO LAVATORIES AND SINKS USED PRIMARILY BY CHILDREN 5 YEARS AND YOUNGER.
 6. THE TOP OF THE OVERFLOW SHALL NOT BE CONSIDERED IN DETERMINING KNEE AND TOE CLEARANCES.
 7. NO MORE THAN ONE BOWL OF A MULTIBOWL SINK SHALL BE REQUIRED TO PROVIDE KNEE AND TOE CLEARANCE COMPLIING WITH 305.
606.2 HEIGHT. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RM OR COUNTER SURFACE 34 INCHES (865 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTIONS:
 1. A LAVATORY IN A TOILET OR BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSIBLE ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL NOT BE REQUIRED TO COMPLY WITH 606.3.
 2. IN RESIDENTIAL DWELLING UNITS, KITCHENS, SINKS THAT ARE ADJUSTABLE TO VARIABLE HEIGHTS, 29 INCHES (735 MM) MINIMUM AND 36 INCHES (915 MM) MAXIMUM, SHALL BE PERMITTED WHERE ROUGH-IN PLUMBING PERMITS CONNECTIONS OF SUPPLY AND DRAIN PIPES AT THE HEIGHT OF 29 INCHES (735 MM).
606.3 FAUCETS. CONTROLS FOR FAUCETS SHALL COMPLY WITH 306. HAND-OPERATED METERS/Faucets SHALL REMAIN OPEN FOR 30 SECONDS.
606.4 EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.
607 BATHTUBS. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
608 SHOWER COMPARTMENTS. ADVISORY 608.1 GENERAL. SHOWER STALLS THAT ARE 60 INCHES (1525 MM) WIDE AND HAVE NO CURB MAY INCREASE THE LEAD-IN OF A BATHROOM. MANUFACTURERS SHALL PROVIDE INFORMATION REGARDING MANUFACTURING SPECS.
608.2 SIZE AND CLEARANCES FOR SHOWER COMPARTMENTS. SHOWER COMPARTMENTS SHALL HAVE SIZES AND CLEARANCES COMPLIING WITH 608.2.1 THROUGH 608.2.4.
608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES (915 MM) BY 36 INCHES (915 MM) CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS OF OPPOSING SIDES AND SHALL HAVE A 36 INCH (915 MM) WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES (915 MM) MINIMUM AND 48 INCHES (1230 MM) LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.

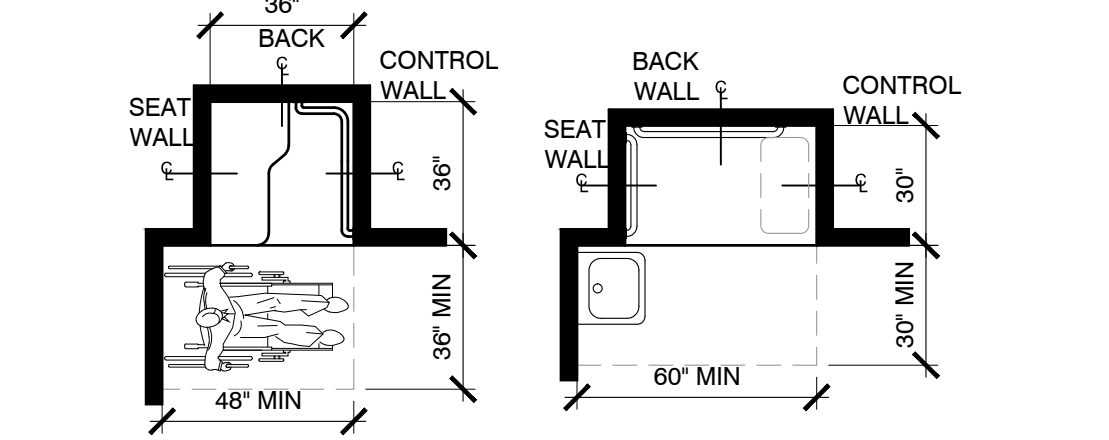


FIGURE 608.2.1 TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

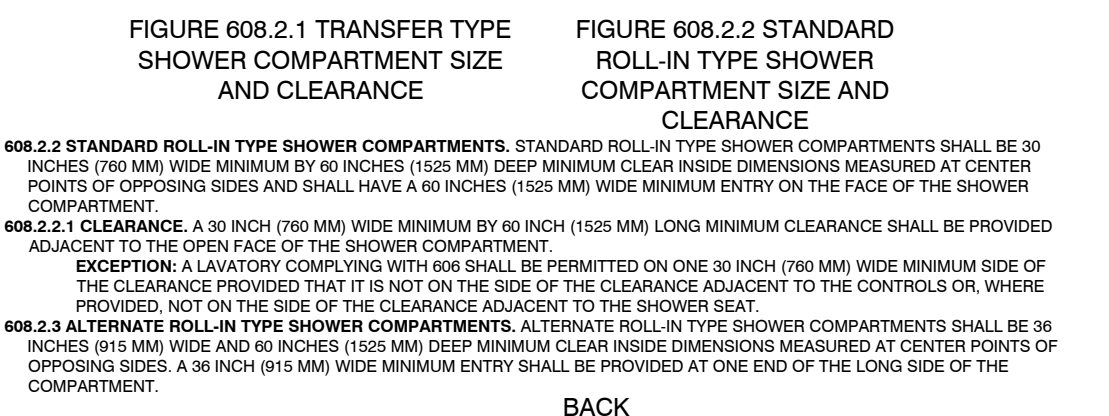


FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

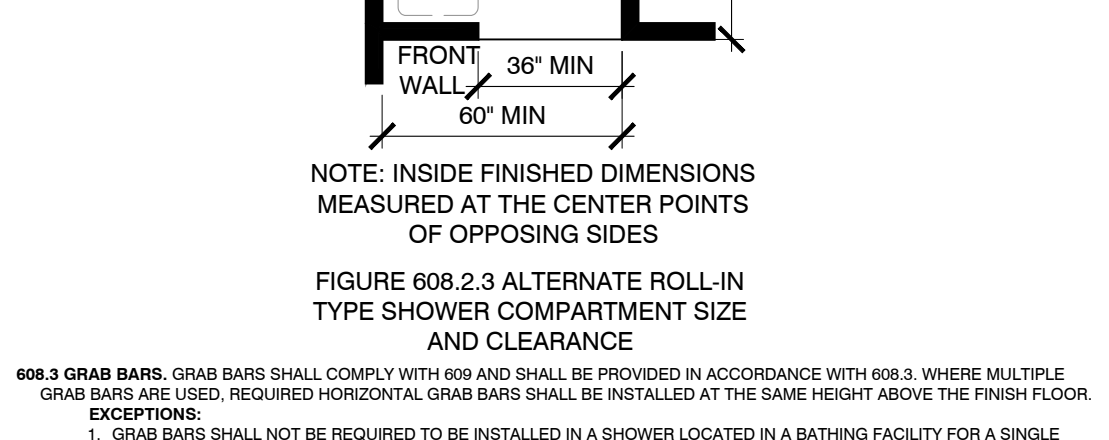


FIGURE 608.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

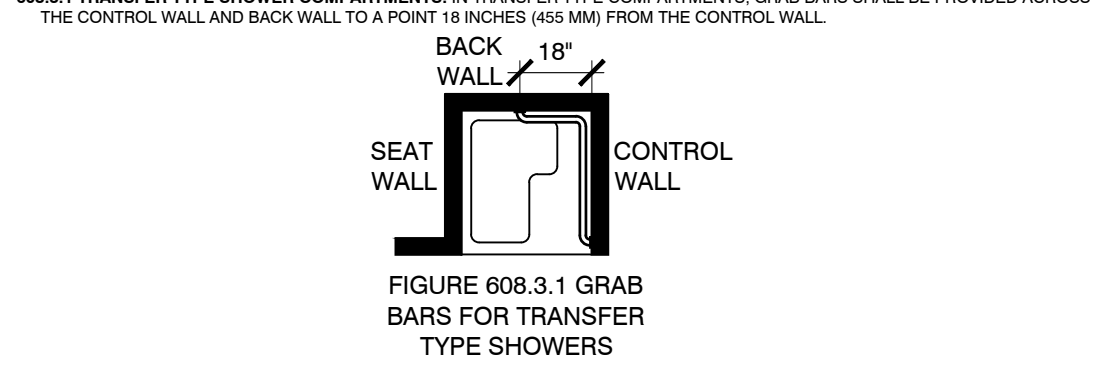


FIGURE 608.3.2 GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS

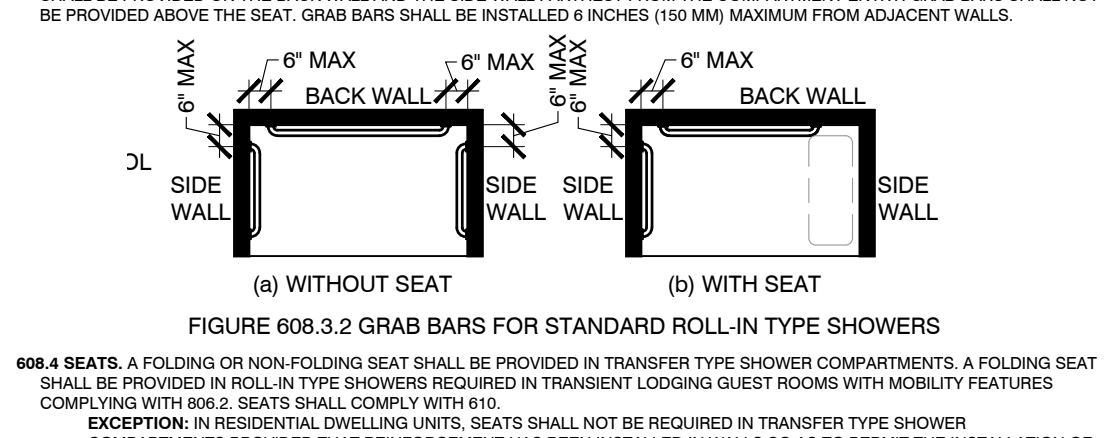


FIGURE 608.3.3 GRAB BARS FOR TRANSFER TYPE SHOWERS

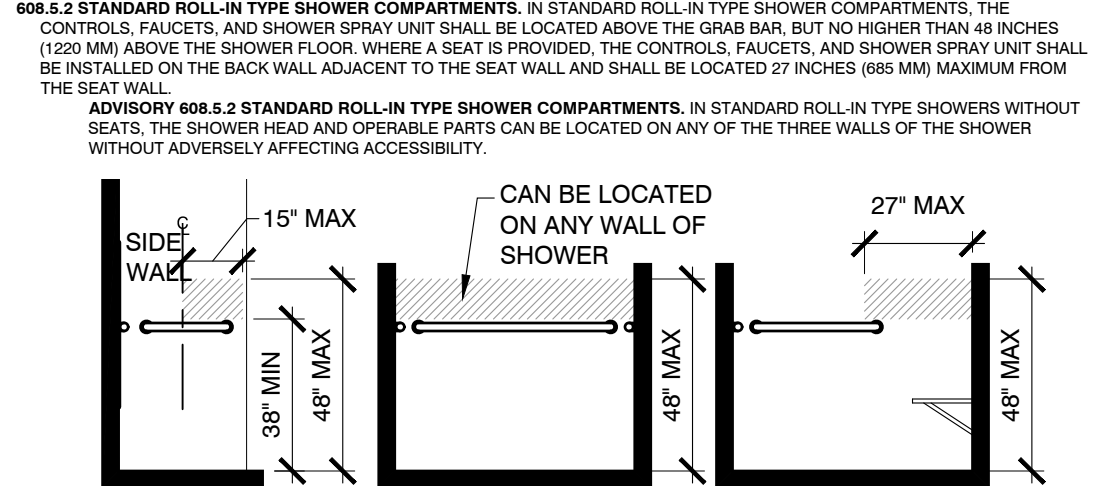


FIGURE 608.5.1 TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

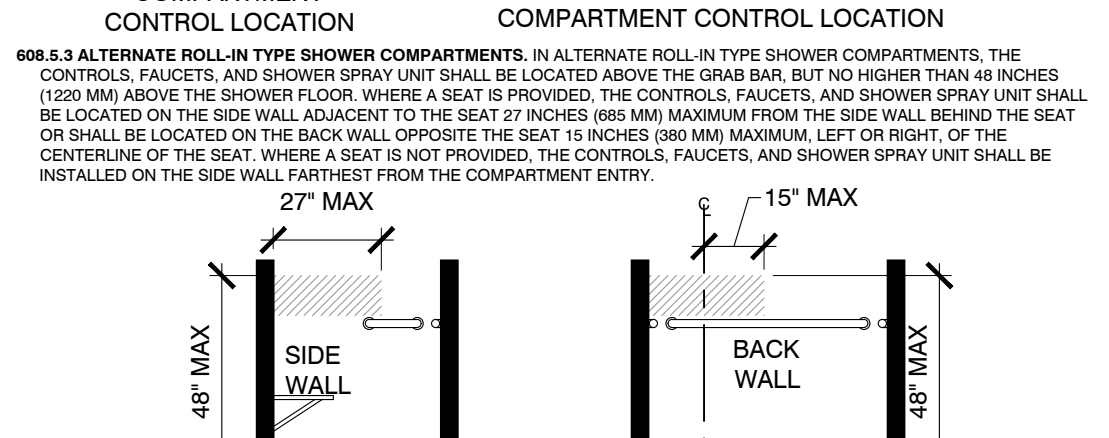


FIGURE 608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

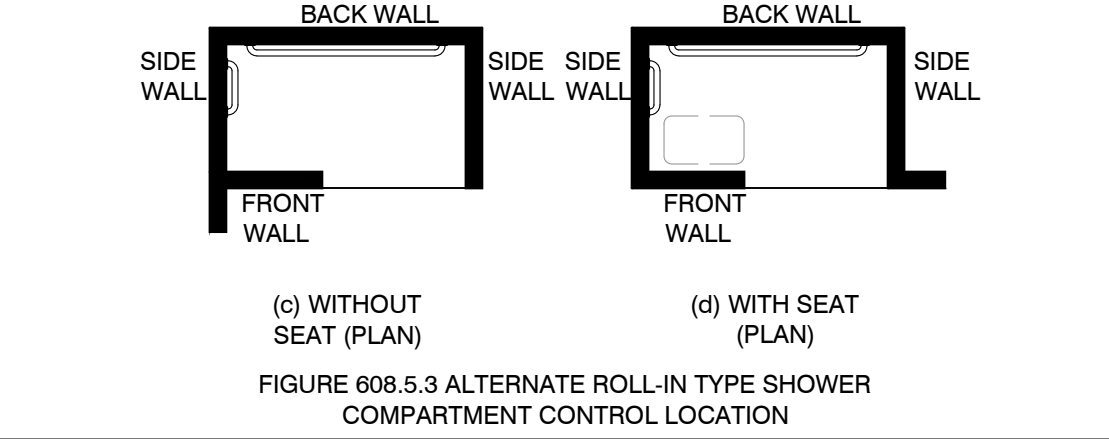


FIGURE 608.5.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

608.6 SHOWER SPRAY UNIT AND WATER. A SHOWER SPRAY UNIT WITH A HOSE 59 INCHES (1500 MM) LONG MAXIMUM THAT CAN BE USED BOTH AS A FIXED POSITION SHOWER HEAD AND AS A HAND-HELD SHOWER SHALL BE PROVIDED. THE SHOWER SPRAY UNIT SHALL HAVE AN ON/OFF CONTROL WITH A NON-POSITIVE SHUT-OFF. IF AN ADJUSTABLE HEIGHT SHOWER HEAD ON A VERTICAL BAR IS USED, THE BAR SHALL BE INSTALLED 50 AS NOT TO OBSTRUCT THE USE OF GRAB BARS. SHOWER SPRAY UNITS SHALL DELIVER WATER THAT IS 107°F (40°C) MAXIMUM.
608.7 THRESHOLDS. THRESHOLDS IN TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 1/2 INCH (13 MM) HIGH MAXIMUM IN ACCORDANCE WITH 303. IN TRANSFER TYPE SHOWER COMPARTMENTS, THRESHOLDS 1/2 INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELLED, ROUNDED, OR VERTICAL.
EXCEPTION: A THRESHOLD 1/2 INCHES (13 MM) HIGH MAXIMUM SHALL BE PERMITTED IN TRANSFER TYPE SHOWER COMPARTMENTS IN EXISTING FACILITIES WHERE PROVISION OF A 1/2 INCH (13 MM) HIGH THRESHOLD WOULD DISTURB THE STRUCTURAL REINFORCEMENT OF THE FLOOR SLAB.
608.8 SHOWER ENCLOSURES. ENCLOSURES FOR SHOWER COMPARTMENTS SHALL NOT OBSTRUCT CONTROLS, FAUCETS, AND SHOWER SPRAY UNITS OR OBSTRUCT TRANSFER FROM WHEELCHAIRS INTO SHOWER STALLS.
609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION COMPLIING WITH 609.2.1 OR 609.2.2.
609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1 1/4 INCHES (32 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM.
609.2.2 NON-CIRCULAR CROSS SECTION. GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A CROSS SECTION DIMENSION OF 1 INCHES (25 MM) MAXIMUM AND A PERIMETER DIMENSION OF 1 INCHES (25 MM) MINIMUM AND 4 INCHES (103 MM) MAXIMUM.
609.3 SPACING. THE SPACE BETWEEN THE WALL AND THE GRAB BAR SHALL BE 1 1/2 INCHES (38 MM). THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1 1/2 INCHES (38 MM) MINIMUM. THE SPACE BETWEEN THE GRAB BARS SHALL BE 4 INCHES (103 MM) MINIMUM AND 6 INCHES (153 MM) MAXIMUM.
EXCEPTION: THE SPACE BETWEEN THE GRAB BARS AND SHOWER CONTROLS, SHOWER FITTINGS, AND OTHER GRAB BARS ABOVE SHALL BE PERMITTED TO BE 1 1/2 INCHES (38 MM) MINIMUM.

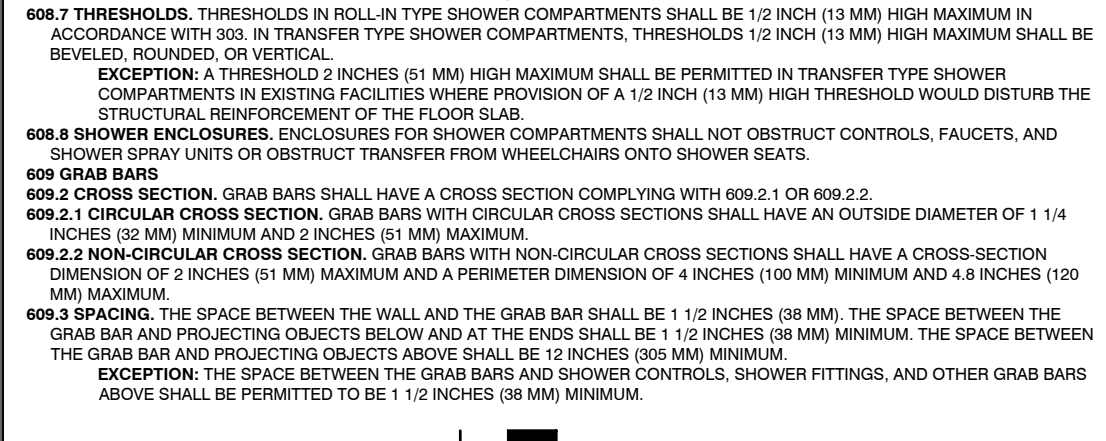


FIGURE 609.3 SPACING OF GRAB BARS

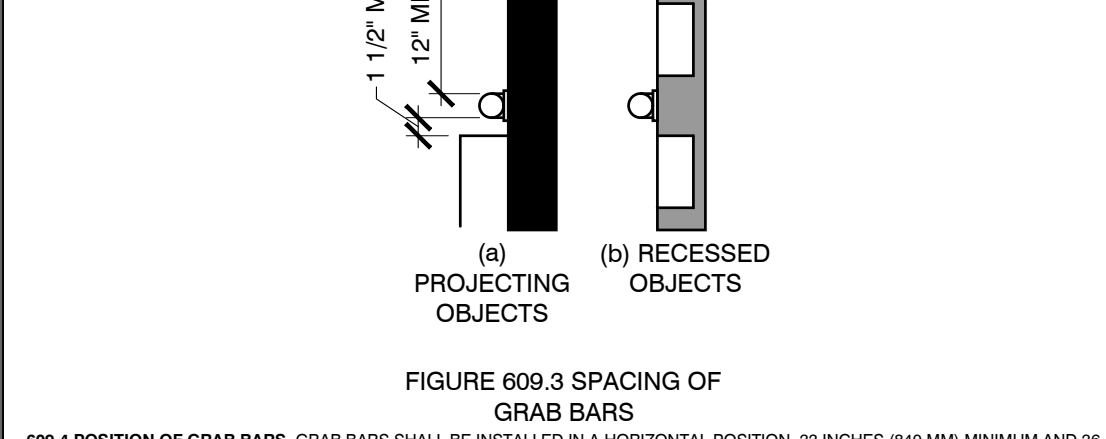


FIGURE 609.4 POSITION OF GRAB BARS

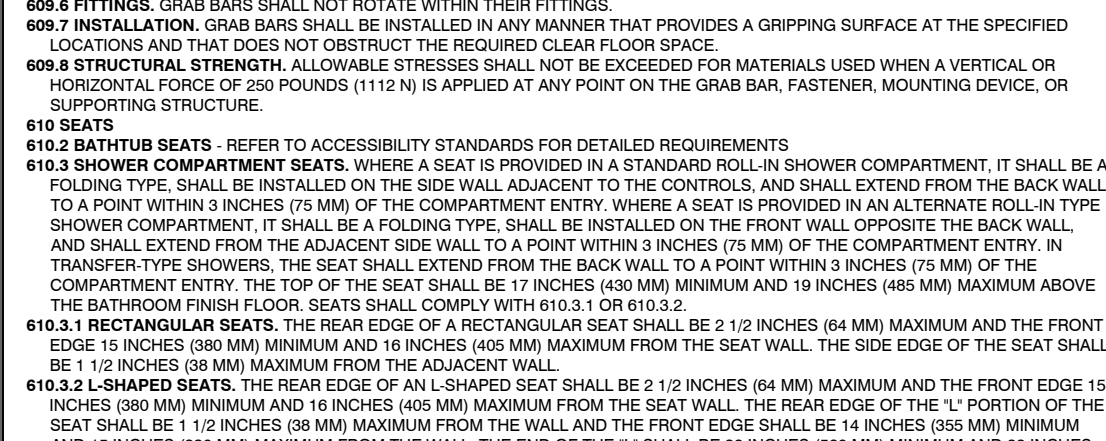


FIGURE 609.5 SURFACE HAZARDS

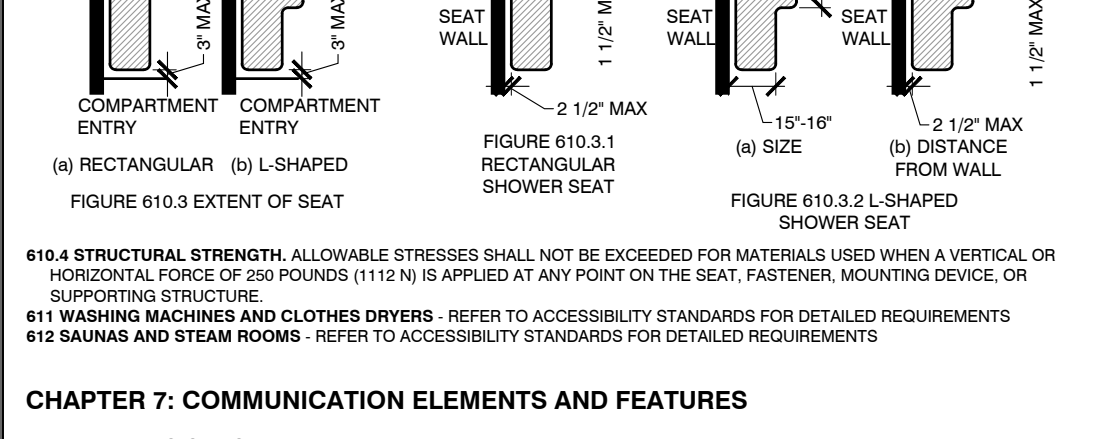


FIGURE 610.3.1 RECTANGULAR GRAB BAR

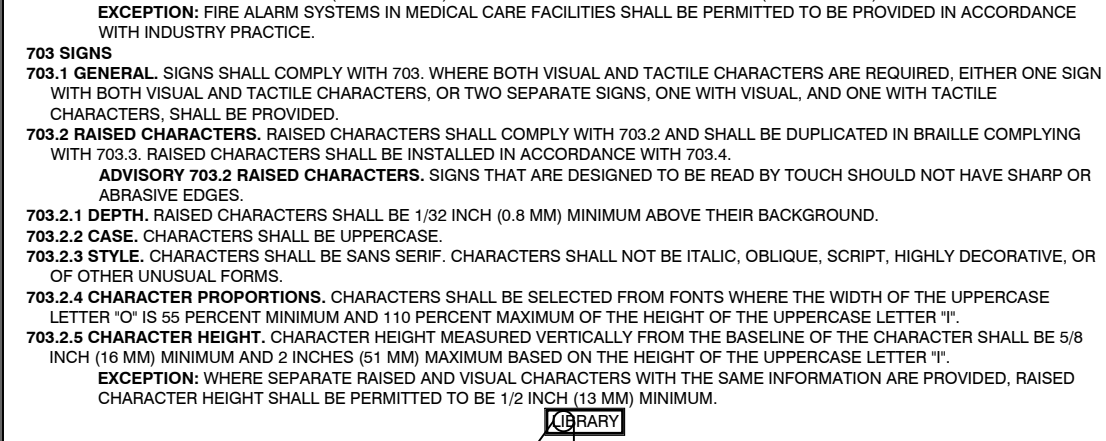


FIGURE 610.3.2 SHAPED GRAB BAR

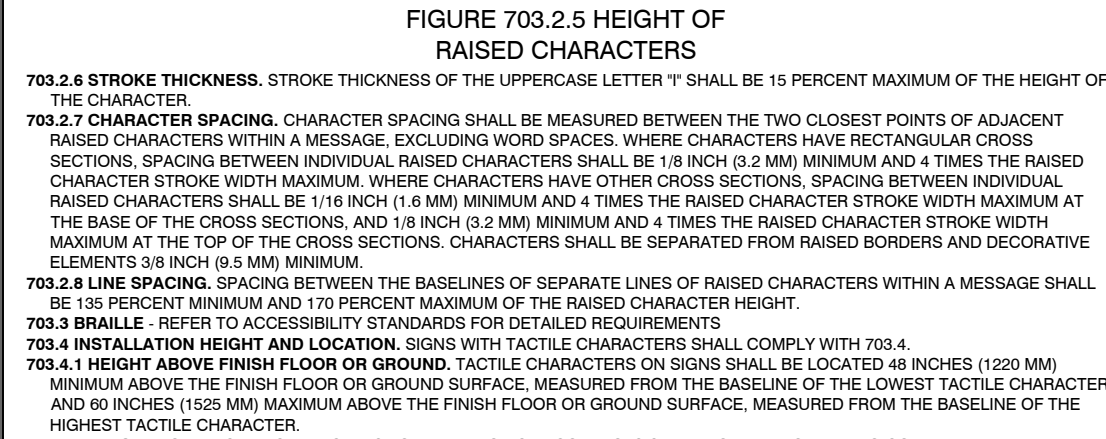


FIGURE 703.2.5 HEIGHT OF RAISED CHARACTER

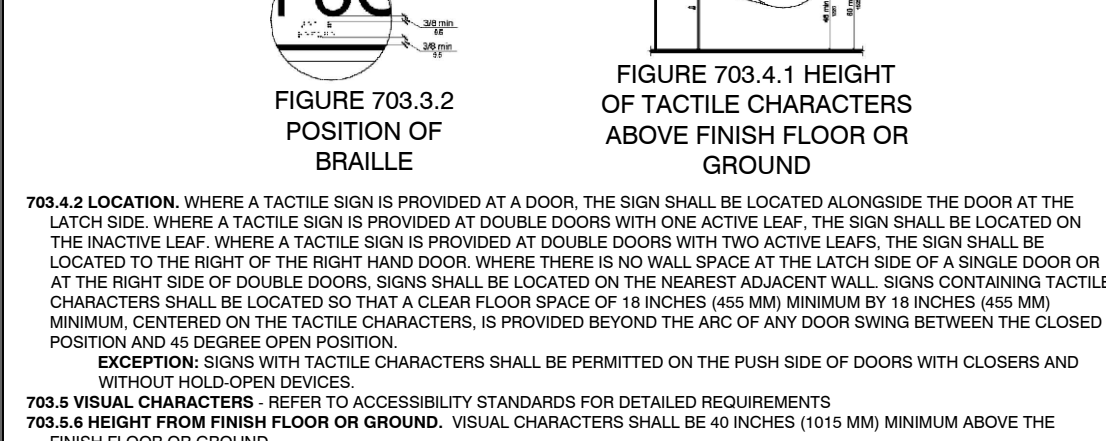


FIGURE 703.3.2 POSITION OF BRAILLE



FIGURE 703.4.1 HEIGHT OF TACTILE CHARACTER ABOVE FINISH FLOOR OR GROUND

702 FIRE ALARM SYSTEMS. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
703 SIGNS. GENERAL. SIGNS SHALL COMPLY WITH 703. REFER TO BOTH VISUAL AND TACTILE CHARACTERISTICS ARE REQUIRED. EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERISTICS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERISTICS, SHALL BE PROVIDED.
703.1 GENERAL. SIGNS SHALL COMPLY WITH 703. REFER TO BOTH VISUAL AND TACTILE CHARACTERISTICS ARE REQUIRED. EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERISTICS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERISTICS, SHALL BE PROVIDED.
703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2.1 THROUGH 703.2.4.
703.2.1 RAISED CHARACTERS. RAISED CHARACTERS SHALL BE INSTALLED IN ACCORDANCE WITH 703.4.
ADVISORY 703.2 RAISED CHARACTERS. SIGNS THAT ARE DESIGNED TO BE READ BY TOUCH SHOULD NOT HAVE SHARP OR POINTED EDGES.
703.2.2 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR BACKGROUND.
703.2.3 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OTHER UNUSUAL CHARACTERS.
703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER IS 125 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER.
703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER.
EXCEPTION: WHERE SEPARATE RAISED AND VISUAL CHARACTERS WITH THE SAME INFORMATION ARE PROVIDED, RAISED CHARACTER HEIGHT SHALL BE PERMITTED TO BE 1/2 INCH (13 MM) MINIMUM.
703.3 STROKE THICKNESS. STROKE THICKNESS OF THE UPPERCASE LETTER 'T' SHALL BE 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.
703.3.1 CHARACTER SPACING. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH (3.2 MM) MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM BORDER INDICATORS AND DECORATIVE ELEMENTS 3/8 INCH (9.5 MM) MINIMUM.
703.3.2 LINE SPACING. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 150 PERCENT MAXIMUM OF THE HEIGHT OF THE RAISED CHARACTER HEIGHT.
703.3.3 BRAILLE. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
703.3.4 HEIGHT ABOVE FINISH FLOOR OR GROUND. SIGNS SHALL COMPLY WITH 703.4.
703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1230 MM) ABOVE THE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1230 MM) ABOVE THE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1230 MM) ABOVE THE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1230 MM) ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH 703.4.1.
703.5 VISUAL CHARACTERISTICS. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
703.6 ORCHARMS. PICTUREGRAMS SHALL COMPLY WITH 703.6.1 THROUGH 703.6.4.
703.6.1 PICTUREGRAM FIELD. PICTUREGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES (153 MM) MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTUREGRAM FIELD.
704 TELEPHONES. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
705 DETECTABLE WARNING. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
705.1 DOME SIZE. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A BASE DIAMETER OF 6.9 INCH (23 MM) MINIMUM AND 1.4 INCHES (36 MM) MAXIMUM. A TOP DIAMETER OF 40 PERCENT OF THE BASE DIAMETER MINIMUM TO 60 PERCENT OF THE BASE DIAMETER MAXIMUM, AND A HEIGHT OF 0.2 INCH (5.1 MM).
705.1.2 DOME SPACING. TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL HAVE A CENTER-TO-CENTER SPACING OF 1.2 INCHES (31 MM) MINIMUM AND 2.4 INCHES (61 MM) MAXIMUM. THE BASE-TO-BASE SPACING OF 0.65 INCH (17 MM) MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
705.1.3 CONTRAST. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT OR DARK, OR DARK ON LIGHT.
705.2 PLATFORM EDGE. DETECTABLE WARNING SURFACES AT PLATFORM BOARDING EDGES SHALL BE 6 INCHES (153 MM) WIDE AND SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM.
706 ASSISTIVE LISTENING DEVICES. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
707 AUTOMATIC TELLER MACHINES AND FARE MACHINES. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.
708 TWO-WAY COMMUNICATION SYSTEMS. REFER TO ACCESSIBILITY STANDARDS FOR DETAILED REQUIREMENTS.

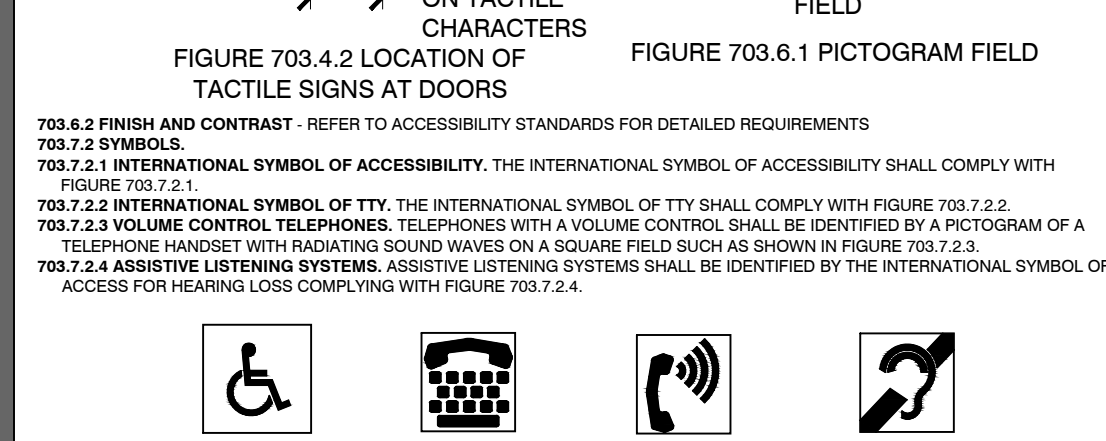


FIGURE 703.4.2 LOCATION OF TACTILE SIGNS AT DOORS

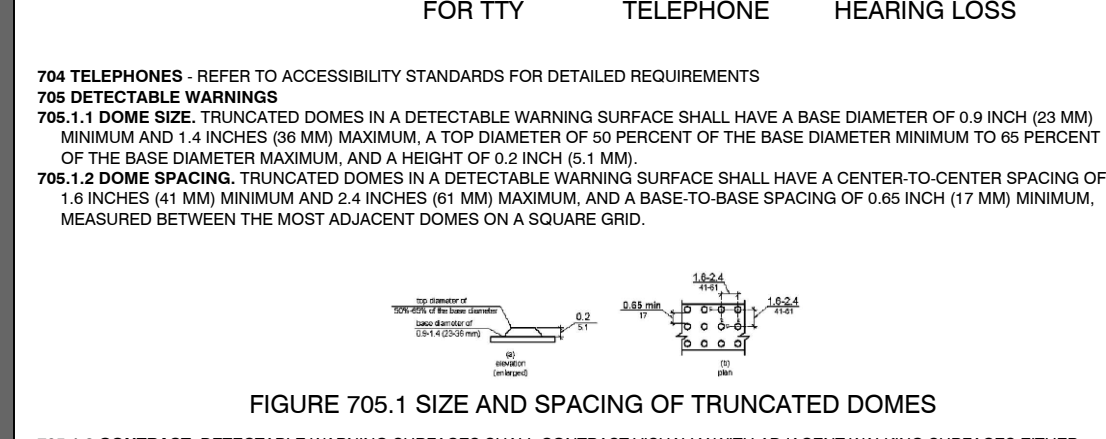


FIGURE 703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY

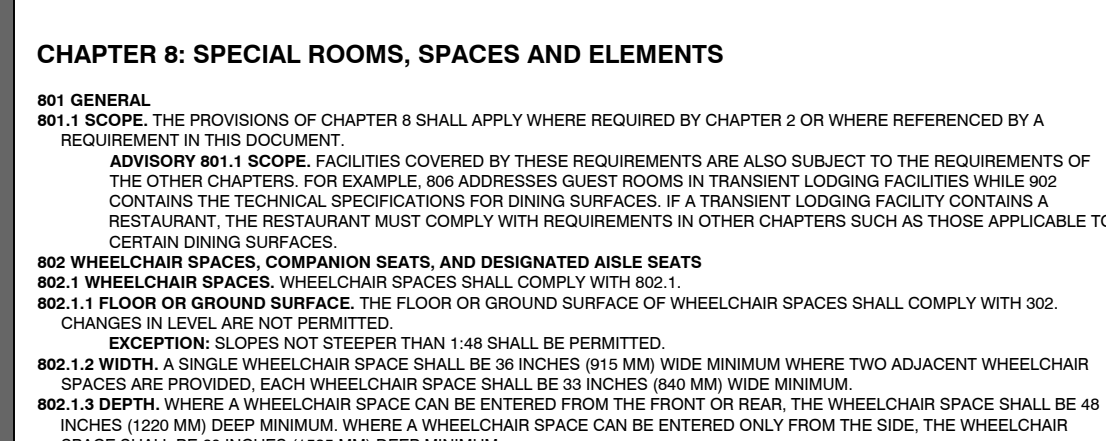


FIGURE 703.7.2.2 INTERNATIONAL SYMBOL OF ACCESSIBILITY FOR TTY

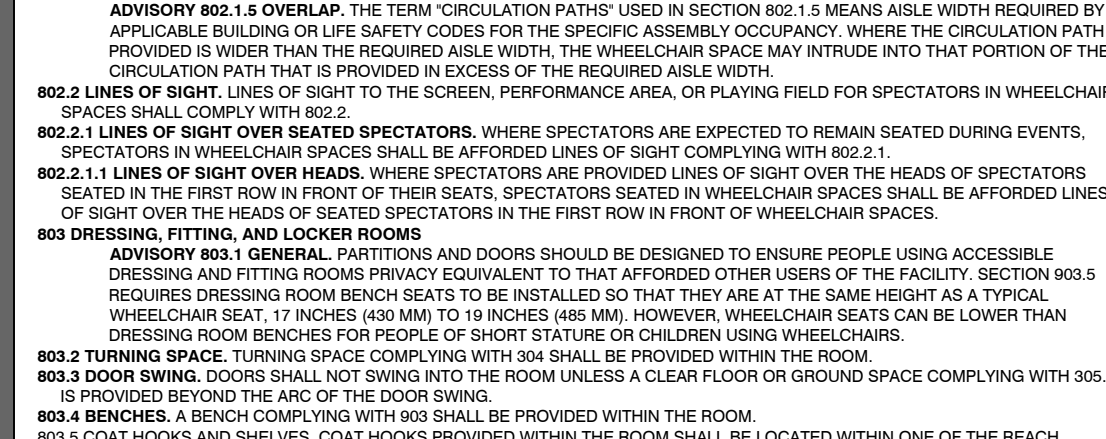


FIGURE 703.7.2.3 INTERNATIONAL VOLUME CONTROL SYMBOL FOR TELEPHONE

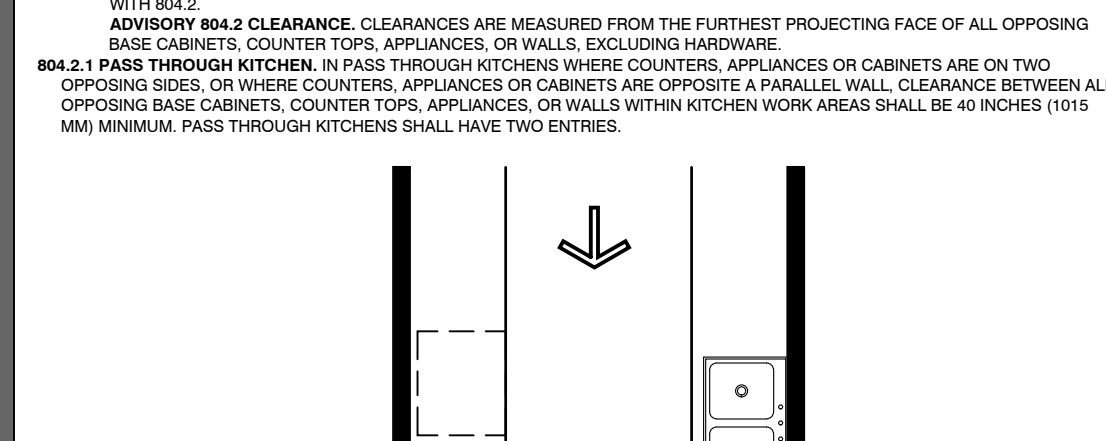


FIGURE 703.7.2.4 INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS

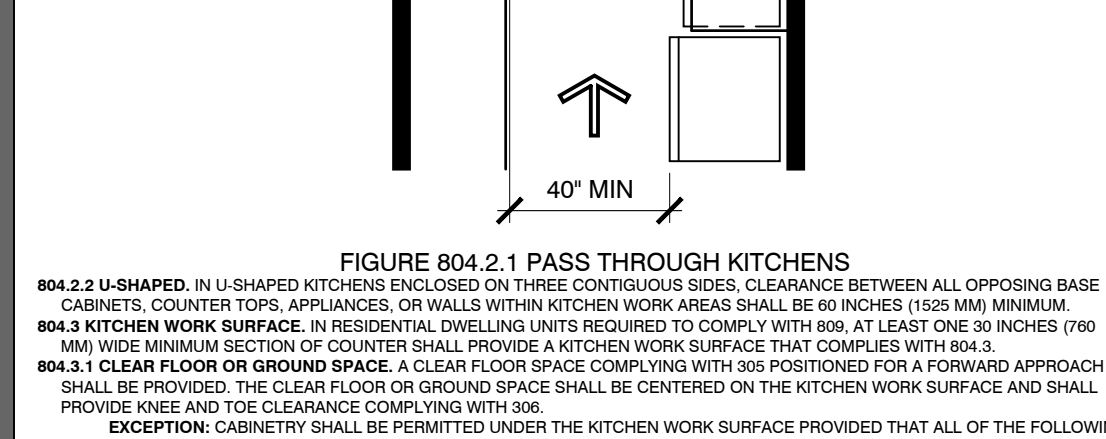


FIGURE 705.1 SIZE AND SPACING OF TRUNCATED DOMES

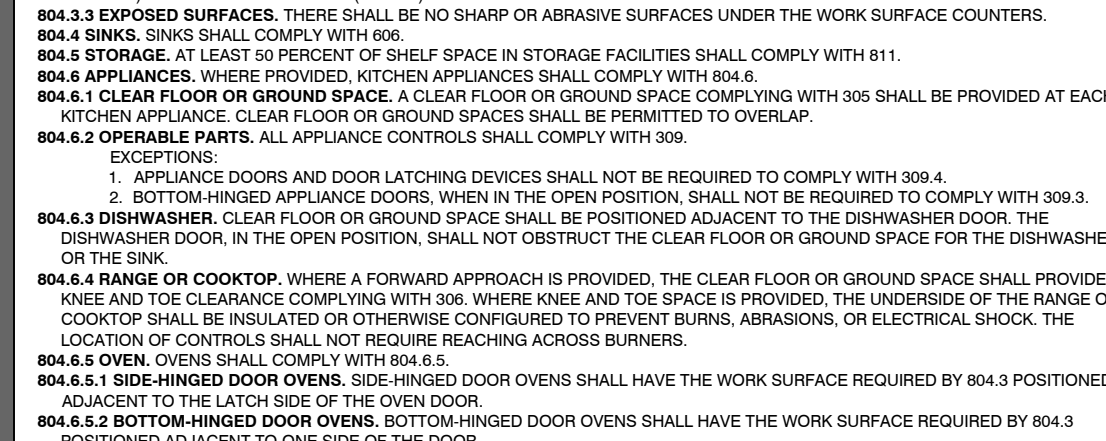


FIGURE 706.1.1 WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS

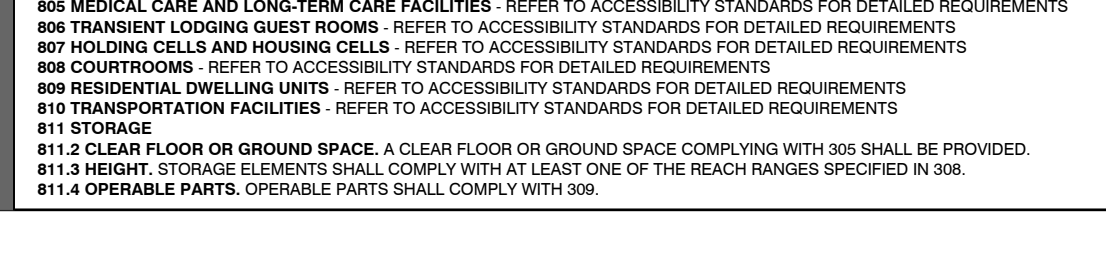
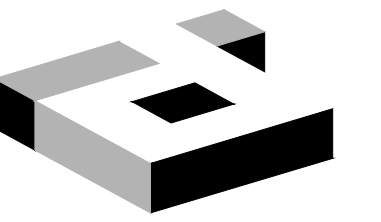


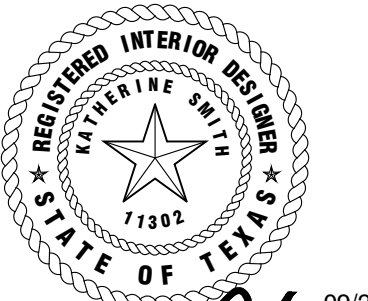
FIGURE 706.1.2 WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS

706.1.3 APPROACH. APPROACHES TO WHEELCHAIR SPACES SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT.
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706.1.44 APPROACH. APPROACHES TO WHEELCHAIR SPACES SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT.
706.1.45 APPROACH.



idGROUP

2641 IRVING BLVD.
DALLAS, TEXAS 75207
TEL: 214-638-6800



Katherine Austin 09/29/20

PROJECT NO: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5,757

BILLINGSLEY
COMPANY

3501 OLYMPUS
KFM

3501 OLYMPUS BLVD.
SUITE #100
DALLAS, TX 75019

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LANDLORD/CLIENT REVIEW ISSUE DATE: 09/29/20
BID ISSUE DATE: 09/29/20
PERMIT ISSUE DATE: 09/29/20

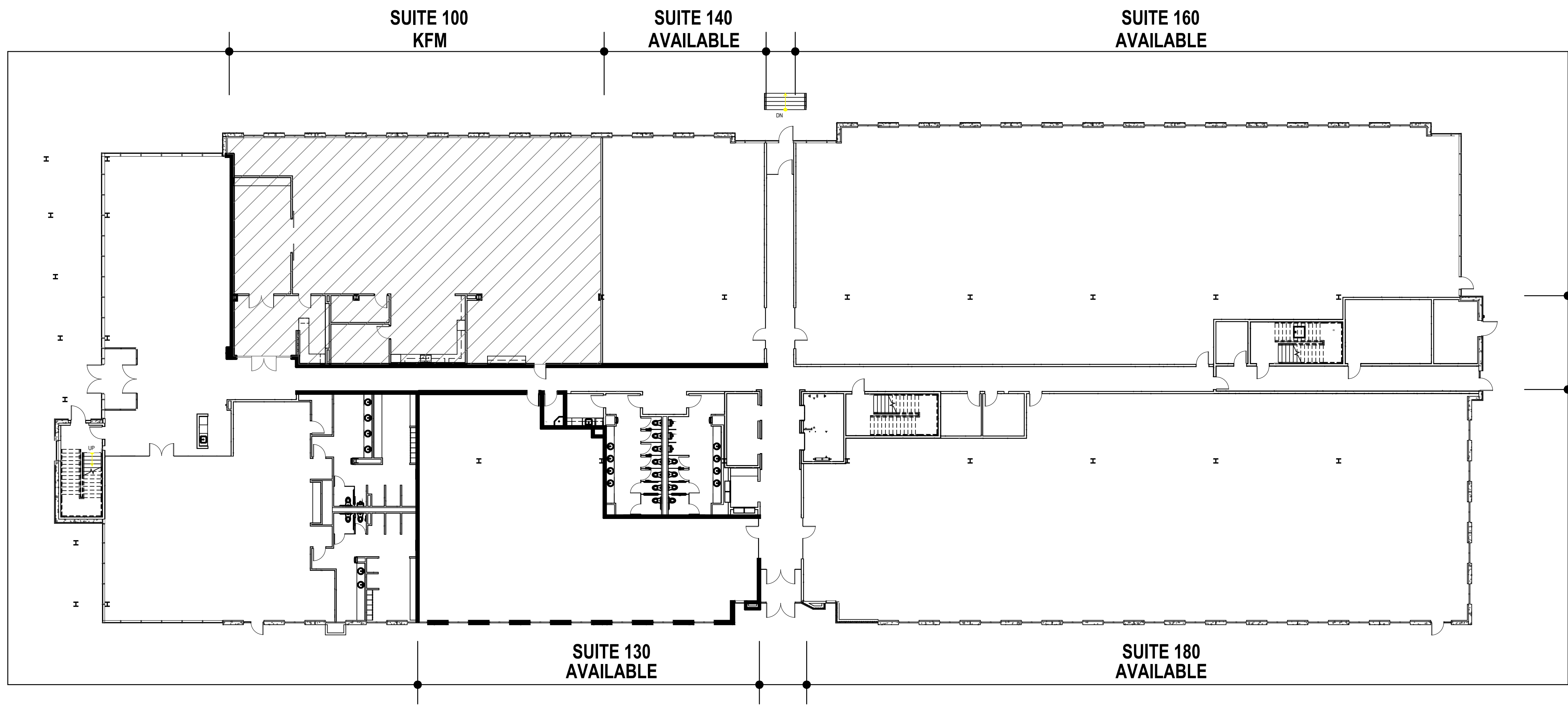
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KEY PLAN

DRAWING NUMBER:

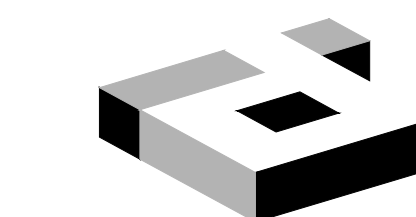
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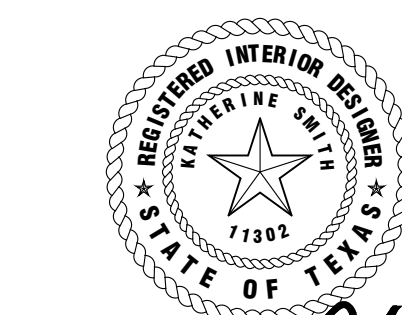
01 KEY PLAN
SCALE: 1/16" = 1'-0"

AREA OF WORK



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Katherine Chilton 09/29/20

PROJECT NO.: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5,757

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COMPANY

3501 OLYMPUS

KFM

3501 OLYMPUS BLVD.
SUITE #100
DALLAS, TX 75019

NO.	ISSUED FOR:	DATE:

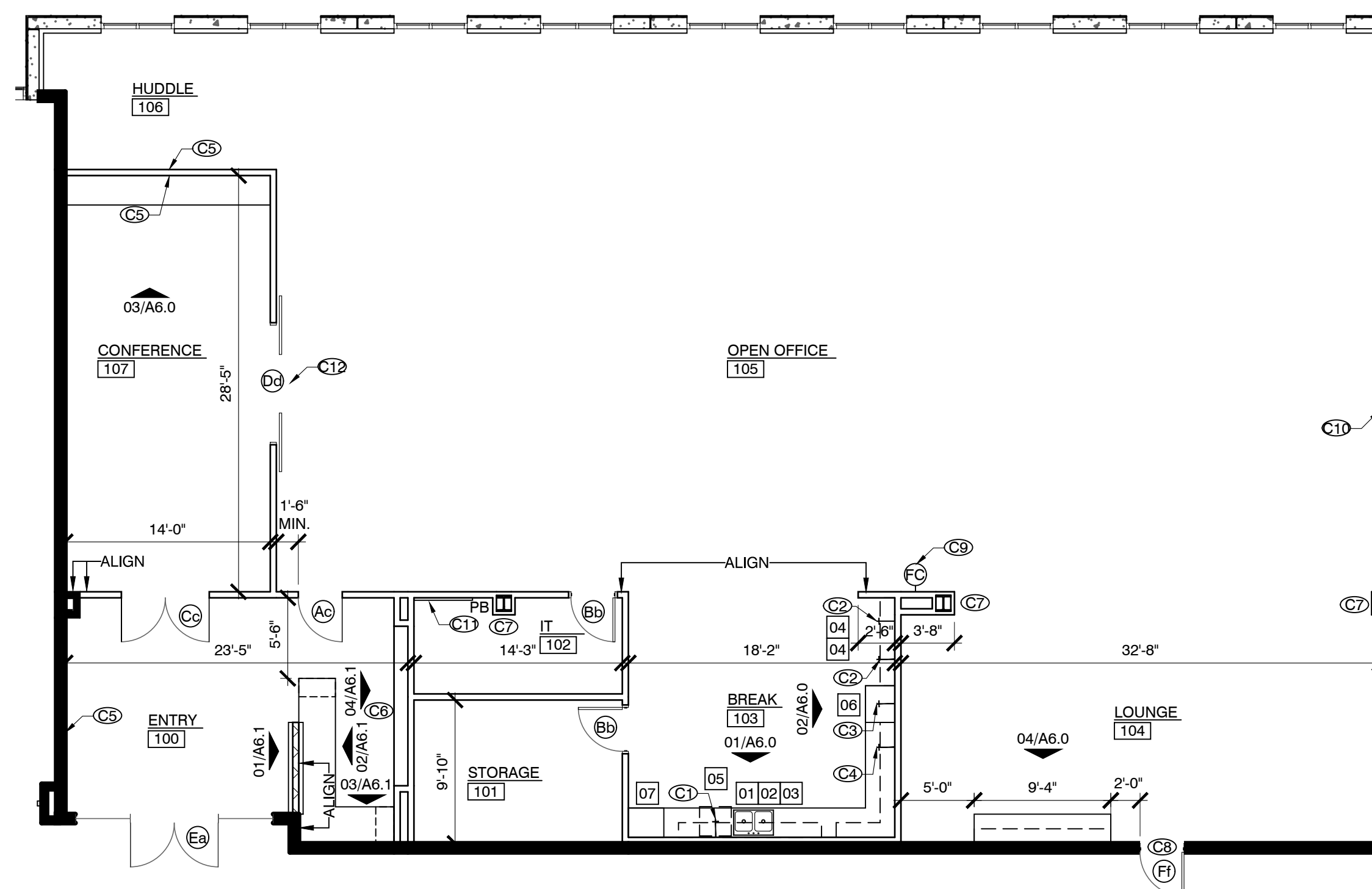
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BID ISSUE DATE: 09/29/20
PERMIT ISSUE DATE: 09/29/20

DRAWING TITLE:
CONSTRUCTION PLAN

DRAWING NUMBER:

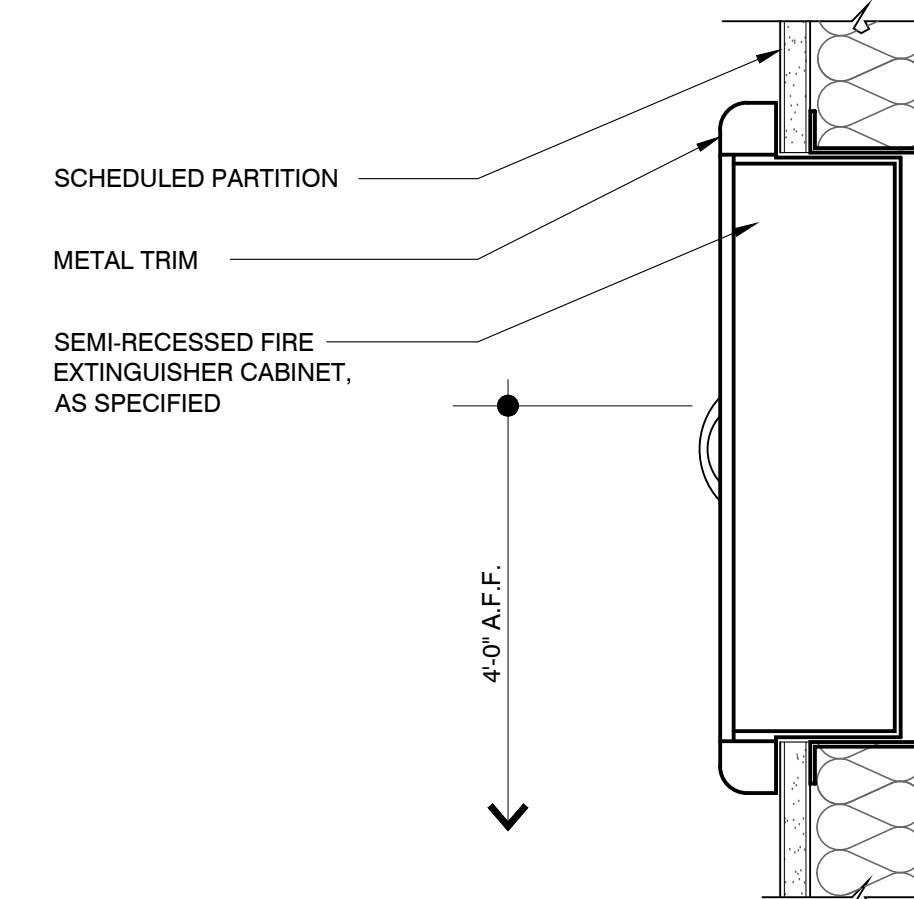
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01 CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

02 FEC DETAIL
SCALE: 1/8" = 1'-0"



CONSTRUCTION NOTES:

- BULLETED NOTES ARE GENERAL CONDITIONS REQUIRED FOR THE PLAN. NUMBERED NOTATIONS REFERENCE SPECIFIC LOCATIONS ON THE DRAWINGS.
- BCO TO PERFORM ASBESTOS REPORT.
- AT CYPRESS WATERS CAMPUS EXTERIOR WINDOW TREATMENTS: MECHOSHADE, MANUAL ROLLER BY SOL PURCHASED BY TENANT THROUGH LANDLORD.
- SPECIFICATION FOR BUILDING STANDARD MILLWORK PULLS: MCKETT, DP3B - 4" TAB DRAWER PULL. FINISH: SATIN CHROME (26D).
- TYPICAL PARTITION TO BE TYPE "3X", U.N.O. REFERENCE SHEET A7.0 FOR PARTITION AND DOOR TYPE INFORMATION.
- PROVIDE 6" CLEAR DIMENSION AT ALL DOOR RETURN LOCATIONS, U.N.O. ALL DOORS TO BE UNDERCUT 3/8", U.N.O. ALL DOOR CLOSERS TO BE ADJUSTED TO MEET ADA/TAS REQUIREMENTS.
- PROVIDE AND INSTALL PLUMBING FIXTURES AND APPLIANCES AS INDICATED ON PLAN. REFERENCE PLUMBING AND APPLIANCE SCHEDULES.
- SEE BUILDING MANAGER FOR LIST OF BUILDING STANDARDS FOR SPECIFICATIONS OF TYPICAL PUBLIC CORRIDOR AND DEMISING PARTITIONS. IF REQUIRED, UPGRADE EXISTING CORRIDOR AND DEMISING PARTITIONS TO BUILDING STANDARD.

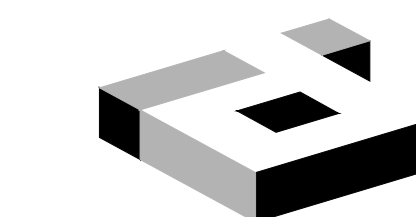
CONSTRUCTION KEYNOTES:

- C1. PROVIDE 1/4" COPPER WATER LINE FOR DISHWASHER.
- C2. PROVIDE 1/4" COLD WATER LINE FOR TENANT PROVIDED REFRIGERATOR.
- C3. PROVIDE 1/4" COLD WATER LINE FOR ICE MAKER.
- C4. PROVIDE 1/4" COPPER WATER LINE FOR TENANT SUPPLIED COFFEE SERVICE.
- C5. PROVIDE BLOCKING IN WALL FOR TENANT PROVIDED TELEVISION. VERIFY EXACT LOCATION WITH TENANT.
- C6. PROVIDE BLOCKING IN WALL FOR TENANT PROVIDED SIGNAGE. REFERENCE 04/A6.1. VERIFY EXACT LOCATION WITH TENANT.
- C7. PROVIDE MINIMUM FURRING AT EXPOSED COLUMN.
- C8. DEMO PORTION OF EXISTING WALL TO ACCEPT NEW SPECIFIED DOOR.
- C9. PROVIDE AND INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER. SPEC: LARSEN'S ARCHITECTURAL SERIES AL2408-R3 VERTICAL DUO ROUNDED TRIM, CLEAR ANODIZED ALUMINUM, OR APPROVED EQUAL REFERENCE 02/A2.0.
- C10. PROVIDE NEW BUILDING STANDARD DEMISING PARTITION. REFERENCE WALL TYPE 3X ON SHEET A7.0 FOR MORE INFORMATION. VERIFY WITH BUILDING MANAGER.
- C11. PROVIDE 4'-0" X 4'-0", 3/4" FIRE RATED PLYWOOD PHONE BOARD MOUNTED HORIZONTALLY TIGHT TO CEILING. PAINT TO MATCH ADJACENT WALL. DO NOT PAINT OVER FIRE RATING LABEL.
- C12. PROVIDE BLOCKING IN WALL FOR SPECIFIED BARN DOOR HARDWARE. REFERENCE SHEET A7.0.

PLUMBING SCHEDULE					
KEY:	ITEM	MRF.	MODEL	COLOR/FIN.	DESCRIPTION
01	DOUBLE SINK	ELKAY	ELUHAD311855PD LUSTERSTONE	STAINLESS STEEL	UNDER MOUNT SINK WITH PERFECT DRAIN 30.75" X 18.5" x 5 3/8"
02	FAUCET	AMERICAN STANDARD	EDGEWATER 4932-300.002	STAINLESS STEEL	SINGLE HOLE, FAUCET MOUNT
03	WATER HEATER	BUILDING STANDARD			UNDERCOUNTER, TANK-TYPE. SIZED TO MATCH USE.

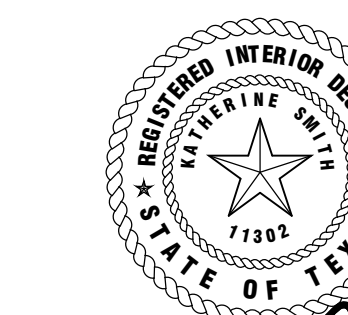
APPLIANCE SCHEDULE					
KEY:	ITEM	MRF.	MODEL	COLOR/FIN.	DESCRIPTION
04	REFRIGERATOR	TENANT PROVIDED	TENANT PROVIDED	TENANT PROVIDED	TENANT PROVIDED, GC INSTALLED
05	DISHWASHER	GENERAL ELECTRIC	GDT226SSLSS	STAINLESS STEEL	REQUIRES HOT WATER LINE W/EMERGENCY SHUT-OFF VALVE & DRAIN, 32.5"H X 24"D X 24"W
06	ICEMAKER	MANITOWOC	CNF0202	STAINLESS STEEL	COUNTERTOP NUGGET ICE MAKER AND DISPENSER WITHOUT LEGS, 42"H X 16-1/4"W X 24"D
07	MICROWAVE	GENERAL ELECTRIC	PES7227SLSS	STAINLESS STEEL	14"H X 19 3/4"D X 24 1/8"W WITH TRIM KIT: JX7227SLSS (19"H X 27"W)

CONSTRUCTION PLAN LEGEND	
SYMBOL	DESCRIPTION
NAME 000	ROOM NAME/NUMBER
—	EXISTING PARTITION TO REMAIN
—	NEW DRYWALL PARTITION
—	EXISTING LOW PARTITION, U.N.O.
—	NEW LOW PARTITION, U.N.O.
—	FRAMED GLAZING, U.N.O.
—	FRAMELESS GLAZING, U.N.O.
(X)	DOOR AND FRAME WITH DOOR TYPE/HARDWARE SYMBOL
X	WALL TYPE SYMBOL
→	WATERLINE WITH SHUT OFF VALVE, U.N.O.
PB	EXISTING PHONE BOARD, U.N.O.
⊖	SEMI RECESSED FIRE EXTINGUISHER CABINET, U.N.O.
⊖	NOTE REFERENCE
XXX.X	ELEVATION REFERENCE
X.XX.X	DETAIL REFERENCE
X.XX.X	SECTION REFERENCE
↑ ALIGN	ALIGN TO FACE FINISH
↑ X'-X"	DIMENSION TO INTERIOR FINISH FACE
↑ X'-X" ↑ CLR.	CLEAR DIMENSION TO BE MAINTAINED
ALL SYMBOLS NOT NECESSARILY USED	



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Katherine Johnston 09/29/20

PROJECT NO: 581-005
DRAWN BY: RH
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R.S.F.: 5,757

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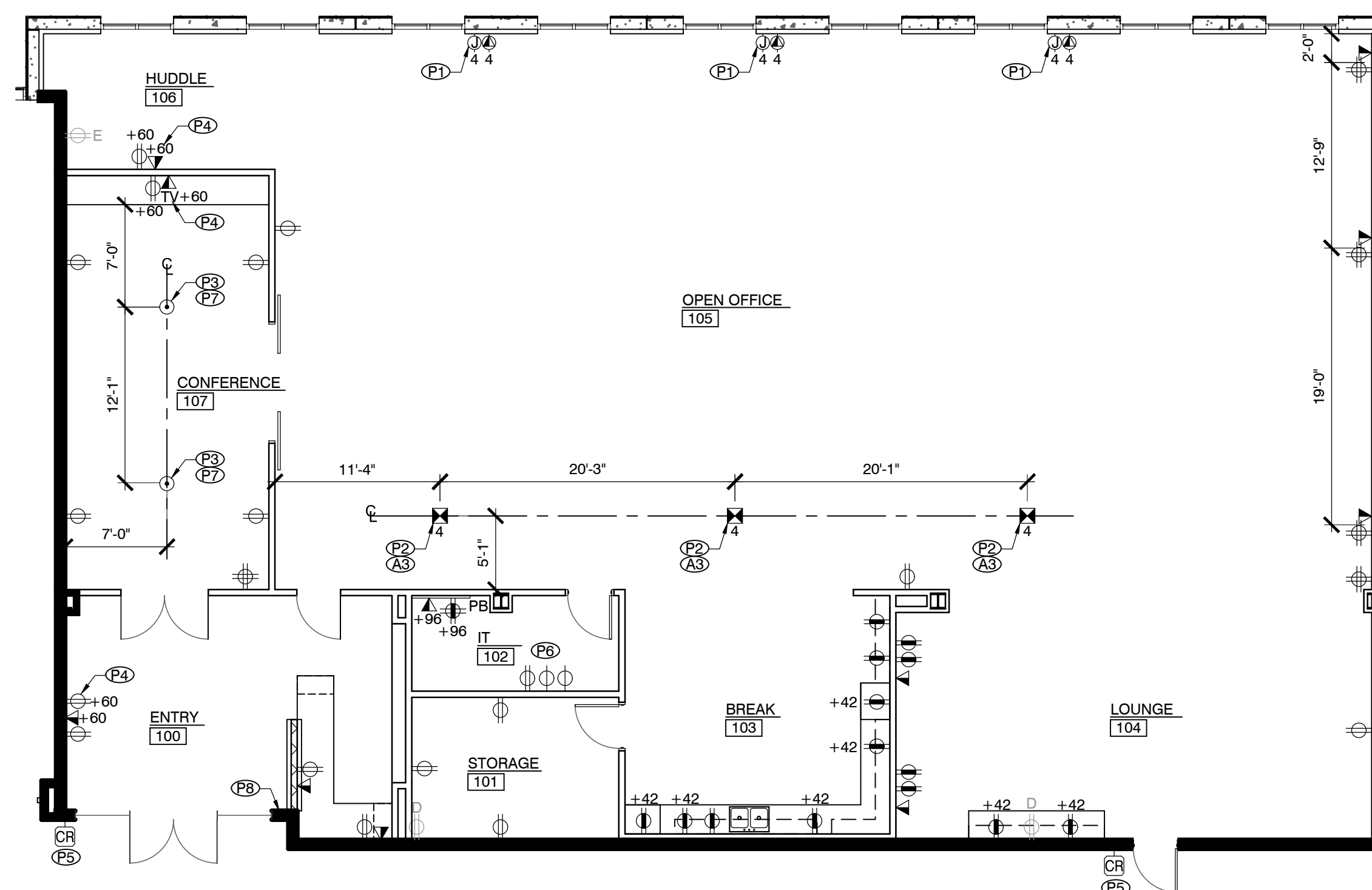
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BID ISSUE DATE: 09/29/20
PERMIT ISSUE DATE: 09/29/20

DRAWING TITLE:
POWER & COMMUNICATION
& REFLECTED CEILING PLANS

DRAWING NUMBER:

A2.3

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01 POWER & COMMUNICATION PLAN

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

POWER / COMMUNICATION NOTES:

• VERIFY ALL FLOOR CORING WITH THE TENANT, STRUCTURAL ENGINEER, FURNITURE VENDOR AND LANDLORD PRIOR TO INSTALLATION. ALL LOCATIONS TO BE IDENTIFIED AND APPROVED BY TENANT PRIOR TO INSTALLATION. ALL CORING TO BE SEALED PER APPLICABLE CODE.

• IF REQUIRED, CONTRACTOR TO X-RAY SLAB TO DETECT LOCATIONS OF EXISTING STRUCTURAL AND ELECTRICAL SYSTEMS BEFORE ALL CORING WORK. VERIFY WITH BUILDING MANAGEMENT.

• CONTRACTOR TO PROVIDE ELECTRICAL FOR ALL INSTALLED APPLIANCES.

• ALL LOW VOLTAGE NETWORK/AV CABLING IS THE RESPONSIBILITY OF THE TENANT.

• ALL OUTLETS ABOVE COUNTER TOP AT BREAK ARE FOR DEDICATED USE AND ARE NOT CONVENIENCE OUTLETS.

• ALL ELECTRICAL OUTLETS AND VOICE DATA OUTLETS TO BE OFFSET WITHIN WALLS AND NOT TO BE INSTALLED BACK TO BACK.

POWER / COMMUNICATION KEYNOTES:

P1. PROVIDE WALL-MOUNTED J-BOXES FOR TELEPHONE, DATA, AND ELECTRICAL. TO BE HARDWIRED TO TENANT PROVIDED WORKSTATIONS. SUBSCRIPT INDICATES NUMBER OF STATIONS BEING SERVED. VERIFY NUMBER OF TELEPHONE, DATA, AND ELECTRICAL OUTLETS REQUIRED AT EACH WORK STATION WITH TENANT. VERIFY EXACT LOCATION WITH TENANT/TENANT'S FURNITURE VENDOR. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR CONNECTION TO TENANT'S WORKSTATIONS.

P2. PROVIDE RECESSED FLOOR-MOUNTED POKE THROUGH DEVICE FOR TELEPHONE, DATA, AND ELECTRICAL. TO BE HARDWIRED TO TENANT PROVIDED WORKSTATIONS. SUBSCRIPT INDICATES NUMBER OF STATIONS BEING SERVED. VERIFY NUMBER OF TELEPHONE, DATA, AND ELECTRICAL OUTLETS REQUIRED AT EACH WORK STATION WITH TENANT. VERIFY EXACT LOCATION WITH TENANT/TENANT'S FURNITURE VENDOR. ELECTRICAL CONTRACTOR TO BE RESPONSIBLE FOR CONNECTION TO TENANT'S WORKSTATIONS.

P3. PROVIDE RECESSED FLOOR-MOUNTED CORE DRILL AT CONFERENCE 107. FLOOR CORE TO CONTAIN (2) DUPLEX OUTLETS. COORDINATE EXACT LOCATIONS WITH TENANT AND BUILDING ENGINEER. PROVIDE ADDITIONAL CORE IN SLAB AT PHONE BOARD LOCATION AS REQUIRED.

P4. PROVIDE ELECTRICAL OUTLET AND DATA OUTLET FOR TENANT PROVIDED TELEVISION. COORDINATE WITH TENANT FOR EXACT LOCATIONS. RECEPTACLES TO BE RECESSED.

P5. PROVIDE J-BOX WITH RING AND STRING FOR LOW VOLTAGE WIRING FOR TENANT CARD READER ACCESS SYSTEM. VERIFY EXACT LOCATION WITH TENANT. COORDINATE WITH TENANT'S SECURITY VENDOR.

P6. COORDINATE EXACT ELECTRICAL REQUIREMENTS AT IT 102 WITH TENANT.

P7. CONTRACTOR TO PROVIDE CONDUIT CONNECTING FLOORCORE TO TV FOR HDMI CONNECTIVITY.

P8. CONTRACTOR TO VERIFY IF EXISTING CONDUIT CAN BE REMOVED. PATCH/REPAIR WALL AS REQUIRED.

POWER & COMMUNICATION LEGEND

SYMB.	DESCRIPTION
NAME 0000	ROOM NAME/NUMBER
E	EXISTING ITEM TO REMAIN
D	EXISTING ITEM TO BE REMOVED
	ALL OTHERS ARE NEW
⊕	WALL MOUNTED DUPLEX ELECTRICAL CIRCUIT
⊕⊕	WALL MOUNTED QUADRADUPLEX ELECTRICAL CIRCUIT
⊕⊕⊕	WALL MOUNTED DEDICATED DUPLEX ELECTRICAL CIRCUIT
⊕⊕⊕⊕	WALL MOUNTED DEDICATED QUADRADUPLEX ELECTRICAL CIRCUIT
⊕⊕⊕⊕⊕	208/220 VOLT ELECTRICAL OUTLET
⊕⊕⊕⊕⊕⊕	WALL-MOUNTED VOICE/DATA OUTLET
⊕⊕⊕⊕⊕⊕⊕	WALL-MOUNTED VOICE/DATA OUTLET WITH HDMI CABLE CONNECTION
⊕⊕⊕⊕⊕⊕⊕⊕	WALL MOUNTED NEMA 5-20 OUTLET
⊕⊕⊕⊕⊕⊕⊕⊕⊕	TENANT-PROVIDED CARD READER TO BE TIED INTO BUILDING FIRE ALARM SYSTEM
⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕	CEILING MOUNTED JUNCTION BOX FOR TELEPHONE, DATA, ELECTRICAL - HARDWIRED TO TENANT PROVIDED POWER POLE. SUBSCRIPT INDICATES NUMBER OF STATIONS SERVED.
⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕	RECESSED FLOOR-MOUNTED POKE THRU DEVICE FOR TELEPHONE, DATA, ELECTRICAL - HARDWIRED TO TENANT PROVIDED FURNITURE. SUBSCRIPT INDICATES NUMBER OF STATIONS SERVED.
⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕	WALL-MOUNTED FURNITURE FEED FOR ELECTRICAL - HARDWIRED TO TENANT PROVIDED FURNITURE. SUBSCRIPT INDICATES NUMBER OF STATIONS SERVED.
⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕	WALL-MOUNTED FURNITURE FEED FOR VOICE/DATA - HARDWIRED TO TENANT PROVIDED FURNITURE. SUBSCRIPT INDICATES NUMBER OF STATIONS SERVED.
⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕⊕	RECESSED FLOOR-MOUNTED ELECTRICAL, VOICE/DATA OUTLET
+XX	INDICATES MOUNTING HEIGHT IN INCHES
GFI	INDICATES GROUND FAULT INTERRUPTOR
⊗	NOTE REFERENCE
⊗	ALL SYMBOLS NOT NECESSARILY USED

02 REFLECTED CEILING PLAN

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

REFLECTED CEILING NOTES:

• PROVIDE NEW BUILDING STANDARD GRID AND CEILING TILE. SPECIFICATION:
GRID - ARMSTRONG 15/16", WHITE
2X2 CEILING TILE - ARMSTRONG, 1774 DUNE, REGULAR 15/16"
VERIFY EXACT SPECIFICATION WITH BUILDING MANAGEMENT.

• MATCH ALL MATERIALS INCLUDING SWITCHES, SWITCH PLATES, LIGHT FIXTURES, ETC. WITH BUILDING STANDARD, U.N.O.

• EXISTING MAIN-T CEILING GRID LOCATIONS ARE NOT NOTED IN THESE PLANS. WHERE NEW FIXTURE LOCATIONS ARE SHOWN TO INTERRUPT THE MAIN-TS, CONTRACTOR TO INCLUDE FEES TO MAKE NECESSARY ADJUSTMENTS TO EXISTING CONDITIONS TO ACCOMMODATE PROPOSED FIXTURE LAYOUT.

• THERMOSTATS TO BE PLACED AWAY FROM CENTERS OF ALL WALLS. PLACEMENT TO COMPLY WITH ALL CODES. WHERE POSSIBLE, COORDINATE WITH TENANT FOR DESIRED LOCATIONS.

• ALL THERMOSTATS LOCATED ON EXTERIOR WALLS TO HAVE HARD CONDUIT RUN FOR CONTROL WIRING, U.N.O.

• ALL LIGHTING RECONFIGURATIONS TO MEET MOST CURRENT INTERNATIONAL ENERGY CONSERVATION CODE AND ANY OF ITS AMENDMENTS. SQUARE FOOTAGE USED FOR ENERGY CALCULATIONS IS 4,985.

• PROVIDE EXIT SIGNS AND 24 HOUR LIGHTS ON EMERGENCY CIRCUITS. VERIFY WITH MEP DRAWINGS. SPECIFICATION: EXIT SIGN CLEAR LUCITE, GREEN LETTERS INTERNALLY LIT

• ALL DUCTWORK AT EXPOSED CEILING TO BE INSULATED SPIRAL METAL. DUCTWORK TO BE PAINTED PT-2. BOTTOM OF DUCTWORK TO BE AT 10'-0" AFF. COORDINATE WITH ENGINEER IF REQUIRED.

• VERIFY ALL LISTED SUSPENDED PENDANT FIXTURE MOUNTING HEIGHTS WITH TENANT.

• ALL UNDERCABINET LIGHTING TO BE SWITCHED WITH GENERAL LIGHTING.

• CONTRACTOR TO VERIFY ALL SWITCH LOCATIONS DO NOT FALL BEHIND DOOR SWINGS.

• REWORK SPRINKLER HEADS AS REQUIRED. EXACT SPRINKLER LOCATIONS SHALL BE DETERMINED BY A STATE LICENSED SPRINKLER CONTRACTOR TO COMPLY WITH LOCAL BUILDING AND FIRE CODES. IF REQUIRED, CONTRACTOR TO REVISE EXISTING LAYOUT TO CONFORM TO NFPA.

• ALL LIGHT SWITCHES TO BE LABELED WITH CIRCUIT NUMBERS. SWITCHES TO BE NUMBERED ON BACK OF PLATES.

• REPLACE EXISTING EXIT SIGNS THROUGHOUT WITH NEW BUILDING STANDARD CLEAR LUCITE EDGE-LIT EXIT SIGNS WITH GREEN LETTERS INTERNALLY LIT AND BATTERY BACK-UP.

• GC REQUIRED TO RETAIN A TEST AND BALANCE REPORT FROM NATIONAL TAB.

• GC IS REQUIRED TO CONTRACT WITH CLIMATEC FOR HVAC CONTROL VENDOR.

• LIGHT SWITCH LOCATIONS ARE FOR DESIGN INTENT ONLY. ALL SWITCH LOCATIONS AND LOAD TO BE VERIFIED BY ENGINEER AND ELECTRICIAN.

REFLECTED CEILING KEYNOTES:

R1. PROVIDE 24-HOUR AIR SYSTEM ON SEPARATE ZONE AT IT 102. PERIMETER WALLS TO GO TO DECK. SIZE OF SYSTEM AND REQUIRED ELECTRICAL TO BE SPECIFIED BY MEP ENGINEER.

R2. NEW CEILING GRID TO BE CENTERED IN ROOM INDICATED.

R3. PROVIDE SOUND BATT INSULATION ABOVE CEILING AT CONFERENCE 107.

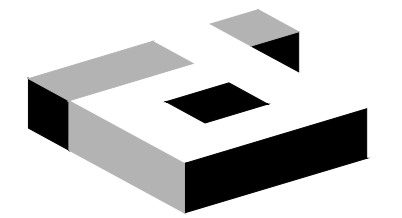
R4. GC TO PAINT EXPOSED TO DECK, STRUCTURAL AND MECHANICAL COMPONENTS, PT-2.

LIGHTING SCHEDULE

SYMBOL	DESCRIPTION
⊕	NEW LED BLDG. STD. 2' X 4' LIGHT FIXTURE, LOWER CASE LETTER INDICATES CIRCUIT MFR: LITHONIA LIGHTING, BLT SERIES LED 2X4 LED, 2BLT4-40L-ADP-LP835
○	LED DOWNLIGHT: MFR: LIGHTOLIER, PRODUCT #: C6L-15-35-W-Z10U FINISH: WHITE, CENTERED IN TILE, U.N.O.
●	LED DOWNLIGHT ON BUILDING EMERGENCY SYSTEM, LIGHTOLIER, PRODUCT #: C6L-15-35-W-Z10U FINISH: WHITE, CENTERED IN TILE, U.N.O.
⊖	UNDER CABINET LED TAPE LIGHT: MFR: LED INSPIRE V4 NANOSKN, PRODUCT #: 4V-NSKN-35B-BLK-100 WITH ZUES CON. AND EXTENTS. LAMP COLOR: 3500K
a	DIRECT LED LINEAR PENDANT SPEC: FINELITE HP-2 PENDANT, 6' LONG AT CONFERENCE ROOM # HP-2-P-D-8-S-835-F-F-98L3-277-DC-FC-10%-FA50-C1-FE-SW BOTTOM OF FIXTURE MOUNTED AT 10'-0" AFF.
b	DIRECT LED LINEAR PENDANT SPEC: FINELITE HP-2 PENDANT, 8' LONG AT OPEN OFFICE # HP-2-P-D-8-H-835-F-96-277-SC-FC-10%-FA50-C4-FE-SW BOTTOM OF FIXTURE MOUNTED AT 10'-0" AFF.
c	DIRECT LED LINEAR PENDANT SPEC: FINELITE HP-2 PENDANT, 6' LONG HP-2-P-D-8-V-835-F-96-277-SC-FC-10%-FA50-C4-FE-SW BOTTOM OF FIXTURE MOUNTED AT 10'-0" AFF.
○	DIRECT/INDIRECT ACOUSTIC PENDANT SPEC: LIGHT ART, ACOUSTIC EMPIRE SHADE, L 34"D SHADE COLOR: (3 QTY) NICKEL, (2 QTY) ARMOR, CANOPY FINISH: WHITE. REFERENCE PLAN FOR MOUNTING HEIGHTS: 1=10'-0" AFF, 2=9'-9" AFF, 3=9'-6" AFF
⊖	RECESSED LED WALL WASHER SPEC: GOHAM/EMVO, 4" GENERAL ILLUMINATION PENDANT CORD CYLINDER EVO4CC-35/10-AR-WD-LSS-MVOLT-G210-JBX-C120-DWHG BOTTOM OF FIXTURE MOUNTED 11'-6" AFF
REP CONTACT:	ALIAH HUNT, ALA EMAIL: ahunt@alabx.com PHONE: 469-916-1937

REFLECTED CEILING PLAN LEGEND

SYMBOL	DESCRIPTION
NAME 0000	ROOM NUMBER
E	EXISTING ITEM TO REMAIN
D	EXISTING TO BE REMOVED OR RELOCATED
	ALL OTHERS ARE NEW
⊕	NEW 2' X 2' CEILING GRID, U.N.O.
⊕	5/8" GYPSUM BOARD CEILING/SOFFIT
⊕	EXPOSED CEILING/OPEN TO DECK
⊕	LIGHT SWITCH R INDICATES REMOVE AND PATCH WALL
⊕	DIMMER SWITCH, LOWER CASE LETTER INDICATES CIRCUIT
⊕	3-WAY SWITCH, LOWER CASE LETTER INDICATES CIRCUIT
⊕	BLDG. STANDARD EXIT SIGN
⊕	CEILING TRANSITION
⊕	BLDG. STANDARD EXHAUST FAN WITH SWITCH AS REQUIRED BY CODE - WHITE
⊕	CEILING HEIGHT INDICATOR
⊕	NOTE REFERENCE
	ALL SYMBOLS NOT NECESSARILY USED



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DALLAS, TEXAS 75207
TEL: 214-638-6800



Katherine Austin 09/29/20

PROJECT NO: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5,757

BILLINGSLEY
COMPANY

3501 OLYMPUS

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3501 OLYMPUS BLVD.
SUITE #100
DALLAS, TX 75019

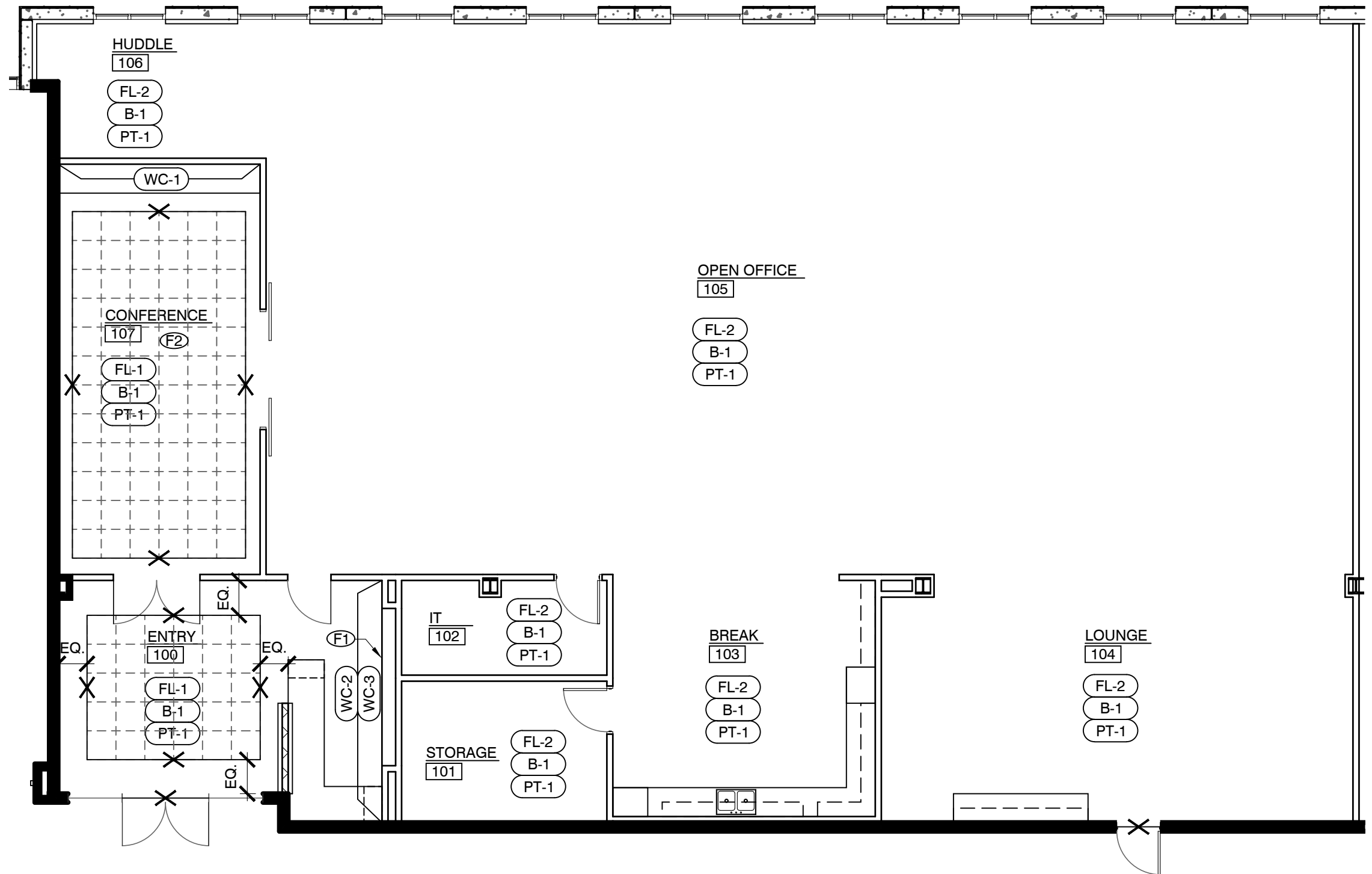
NO.	ISSUED FOR:	DATE:

LANDLORD/CLIENT REVIEW ISSUE DATE: 09/29/20
 BID ISSUE DATE: 09/29/20
 PERMIT ISSUE DATE: 09/29/20

DRAWING TITLE:
FINISH PLAN

DRAWING NUMBER:

A2.5



01 FINISH PLAN
SCALE: 1/8" = 1'-0"

FINISH NOTES:

- WHERE REQUIRED AT AREAS OF CONSTRUCTION, FURNISH AND INSTALL BUILDING STANDARD FINISHES IN COMMON AREAS. COORDINATE WITH LANDLORD FOR SPECIFICATIONS.
- FLOAT AND SCRAPE FLOOR TO BE LEVEL AND PREPARE FOR NEW SCHEDULED FINISH.
- PROVIDE BUILDING STANDARD TEXTURE AND PAINT THROUGHOUT, U.N.O.
- ALL PAINTED WALLS SHALL RECEIVE TWO COATS OF LATEX PAINT IN BUILDING STANDARD FINISH. TOUCH-UP OR RE-PAINT ALL WALLS AS NEEDED AFTER COMPLETION OF TENANT LEASE SPACE.
- PROVIDE STAINLESS STEEL SCHLUTER TRIM PIECE AT ALL EXPOSED TILE EDGES ON VERTICAL SURFACES.
- TOUCH UP DOORS AT COMMON AREAS AS REQUIRED. ENSURE LIKE NEW CONDITION.
- REFLOAT ALL EXISTING WALLS DUE TO DEMOLITION AS REQUIRED FOR NEW SCHEDULED FINISH.

FINISH KEYNOTES:

- F1. PAINT GYPSUM BOARD SOFFIT AT CEILING TO MATCH ADJACENT WALL (PT-1).
- F2. CENTER SPECIFIED CARPET TILE WITHIN CONFERENCE 107.

SYMBOL	DESCRIPTION
NAME [000]	ROOM NAME/NUMBER
XX-X	FINISH SPECIFICATION
WC-X	WALL FINISH SPECIFICATION
+	FLOOR FINISH TRANSITION, 'E' INDICATES EXISTING TO REMAIN
→	FLOORING DIRECTION
X	NOTE REFERENCE
ALL SYMBOLS NOT NECESSARILY USED	

FINISH SCHEDULE					
FLOORING SCHEDULE					
FL-#	MATERIAL	MRF.	PATTERN/#	COLOR	REMARKS
FL-1	CARPET TILE (24x24)	FLOR	DOWN TO EARTH	STONE	REFERENCE PLAN FOR EXACT LOCATIONS FOR PREFERRED PRICING CONTACT: SHANNON VASS, INTERFACE, 469.371.4375
FL-2	SEALED CONCRETE	BUILDING STANDARD	-	-	THROUGHOUT, U.N.O. POLISHED AND SEALED CONCRETE PER INDUSTRY STANDARD.

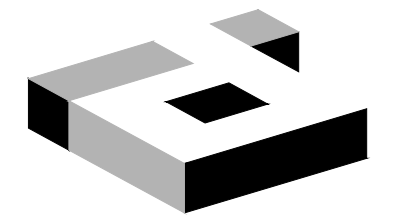
BASE SCHEDULE					
B-#	MATERIAL	MRF.	MFR. #	COLOR	REMARKS
B-1	RUBBER	JOHNSONITE	MANDALAY	161 SNOW	2.5" BASE CONTINUOUS ROLL. CUTS AT CORNERS ONLY. ENSURE SEAMLESS TRANSITION. FOR PREFERRED PRICING CONTACT: MORGAN MARTINDALE, TARKETT USA INC. 440.903.4302; morgan.martindale@tarkett.com

PAINT SCHEDULE					
PT-#	MATERIAL	MRF.	MFR. #	COLOR	REMARKS
PT-1	LATEX	SHERWIN WILLIAMS	SW 7005	PURE WHITE	GENERAL PAINT THROUGHOUT, U.N.O. BUILDING STANDARD FINISH
PT-2	ACRYLIC DRYFALL	SHERWIN WILLIAMS	SW 7005	PURE WHITE	AT OPEN TO DECK CEILING, STRUCTURAL AND MECHANICAL COMPONENTS. FLAT FINISH. PAINT PER MANUFACTURERS RECOMMENDATIONS.
PT-3	LATEX	SHERWIN WILLIAMS	SW 7075	WEB GRAY	AT ENTRY NICHE. FLAT FINISH

PLASTIC LAMINATE SCHEDULE					
PL-#	MATERIAL	MRF.	PATTERN/#	COLOR	REMARKS
PL-1	PLASTIC LAMINATE	NEVAMAR	S6037T	STUDIO GRAY	AT BASE AND UPPER CABINETS THROUGHOUT, U.N.O.
PL-2	PLASTIC LAMINATE	FORMICA	5883-S8	PECAN WOODLINE	AT BREAK OPEN SHELVING MATTE FINISH

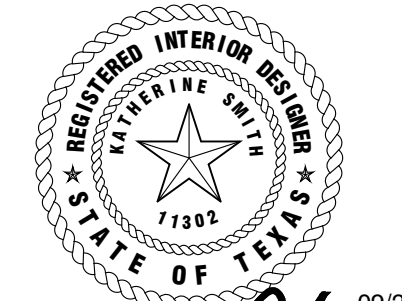
SPECIALTY FINISH SCHEDULE					
SF-1	MATERIAL	MRF.	MFR. #	COLOR	REMARKS
SF-1	SOLID SURFACE	CAESARSTONE	4033	RUGGED CONCRETE	AT COUNTERTOPS THROUGHOUT FOR PREFERRED PRICING CONTACT: JACKIE HOOD, CAESARSTONE 972.249.5077; jackie.hood@caesarstoneus.com
SF-2	CERAMIC TILE	CERAMIC TECHNICS	STUDIO ELEMENTS HANDMOLD	CLOUD GLOSSY	BACKSPLASH AT BREAKROOM, GROUT: CUSTOM #381, BRIGHT WHITE. INSTALLATION: STRAIGHT STACK FOR PREFERRED PRICING CONTACT: SHARON GLIDDEN, 404-805-7904; sglidden@ceramictechnics.com

WALLCOVERING SCHEDULE					
WC-#	MATERIAL	MRF.	PATTERN/#	COLOR	REMARKS
WC-1	VINYL	VERSA WALLCOVERING	BALLIANO TEXTURE	A184-336 INDIGO	AT CONFERENCE ROOM INSTALLATION: HORIZONTAL ALIGNMENT
WC-2	WOOD	STIKWOOD		RECLAIMED RUSTIC SLATE	AT ENTRY INSTALLATION: 45 DEGREE DIAGONAL - REFERENCE ELEVATION 04/A6.1
WC-3	MOSS	SCANDINAVIAN SPACES	PIXEL	MOSS NCS S 3560-G20Y #1E6228	AT ENTRY LOGO WALL REFERENCE ELEVATION 04/A6.1



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TEL: 214-638-6800



Katherine Chilton 09/29/20

PROJECT NO: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5,757

BILLINGSLEY
COMPANY

3501 OLYMPUS

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SUITE #100
DALLAS, TX 75019

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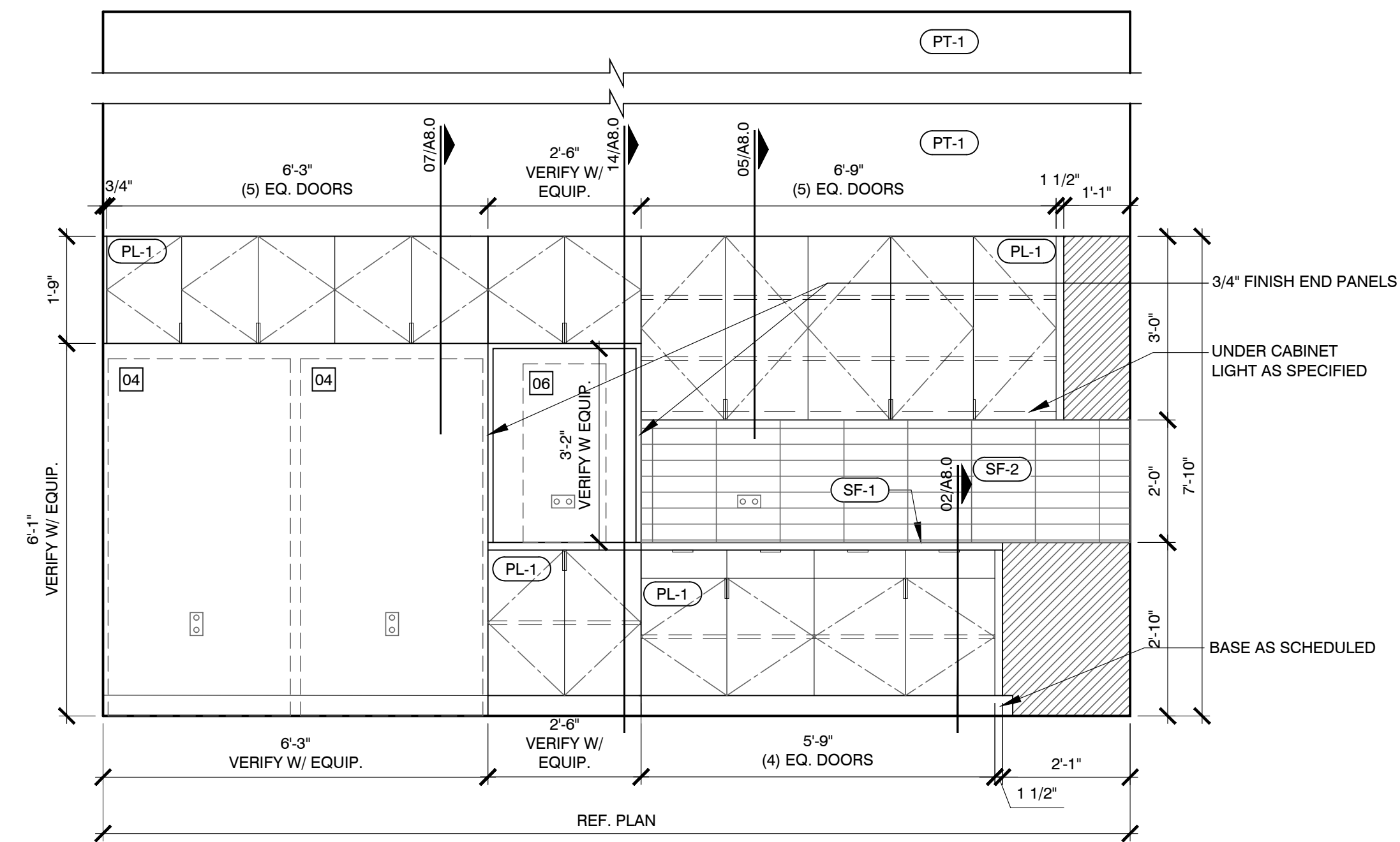
LANDLORD/CLIENT REVIEW ISSUE DATE: 09/29/20
BID ISSUE DATE: 09/29/20
PERMIT ISSUE DATE: 09/29/20

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INTERIOR ELEVATIONS

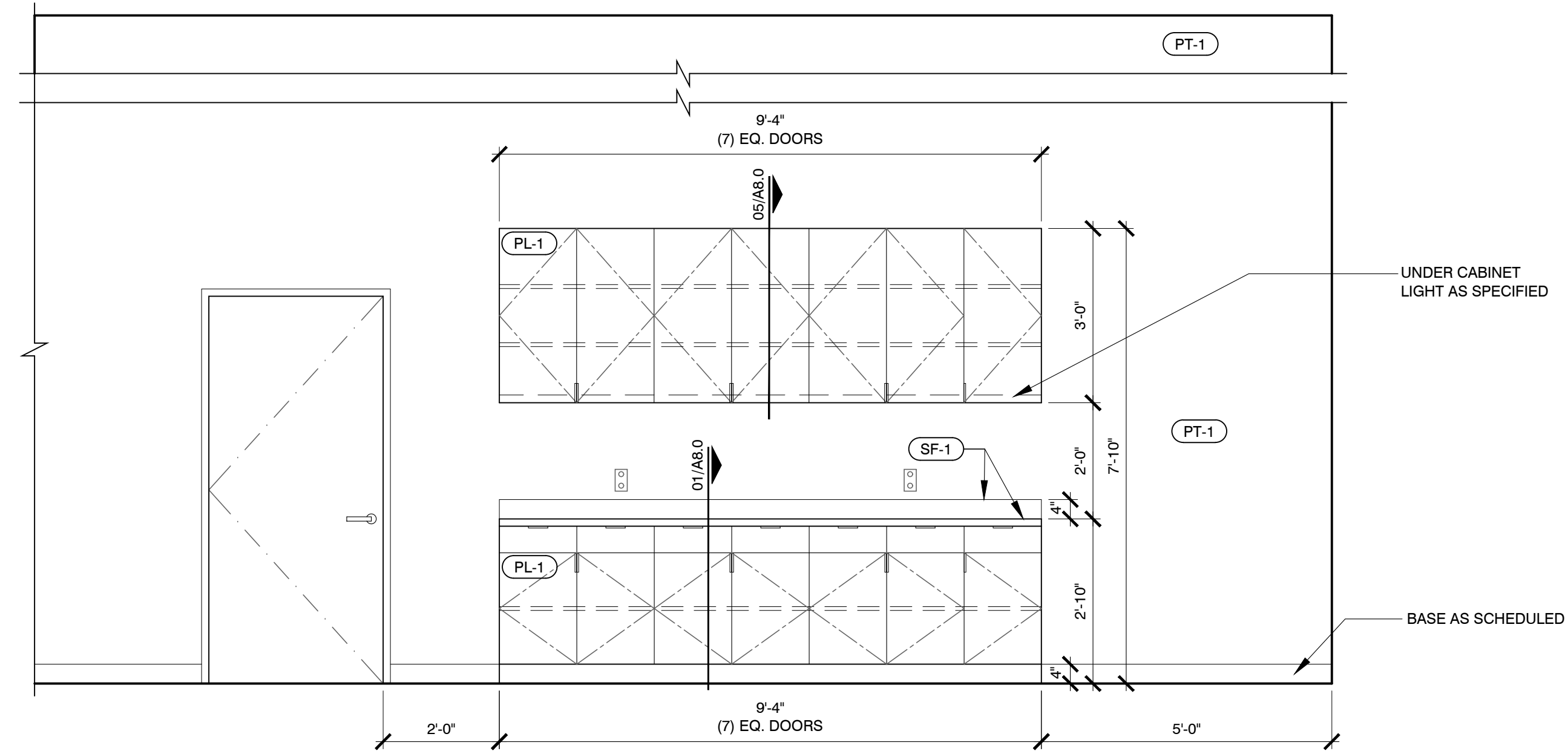
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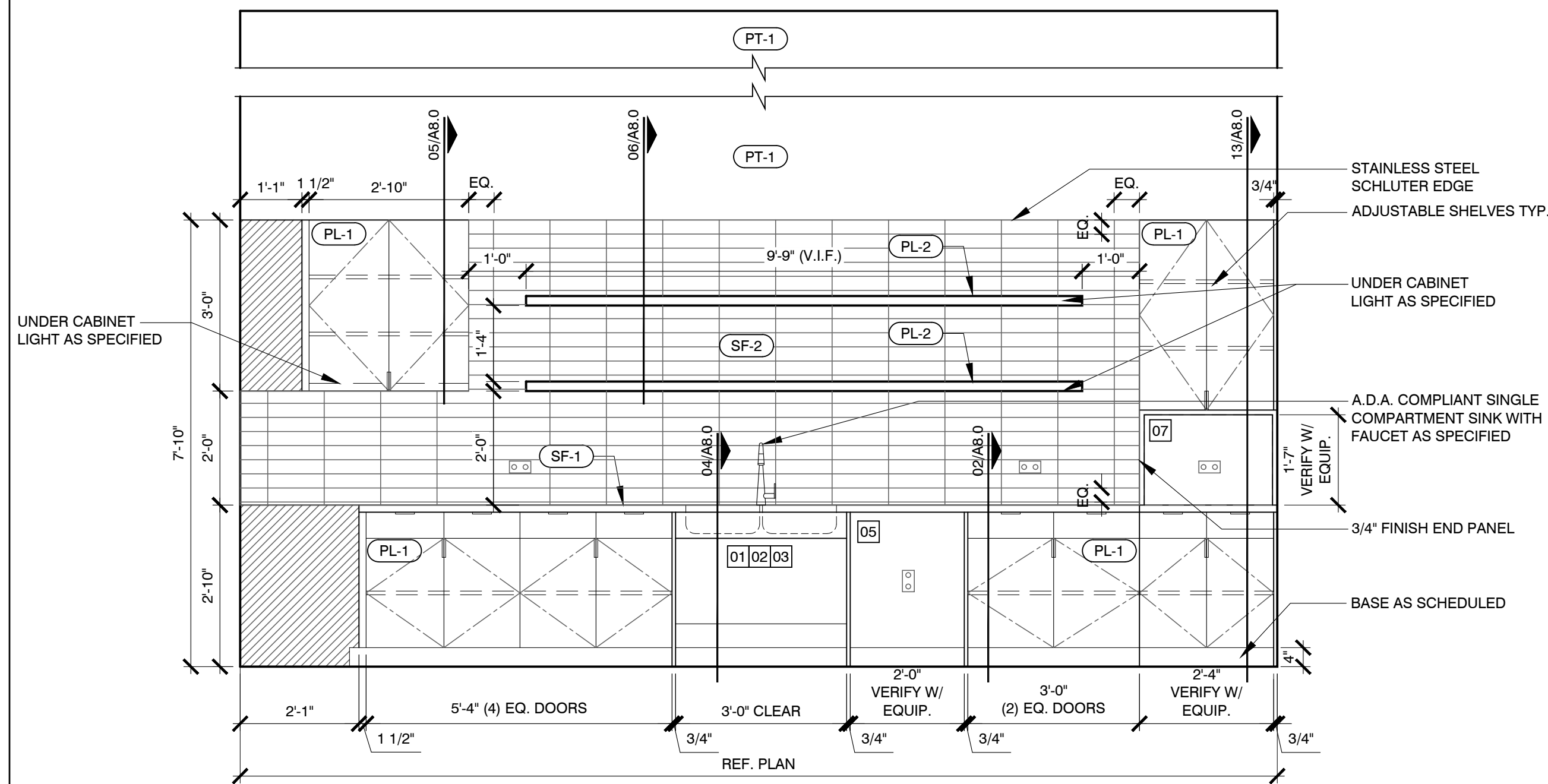
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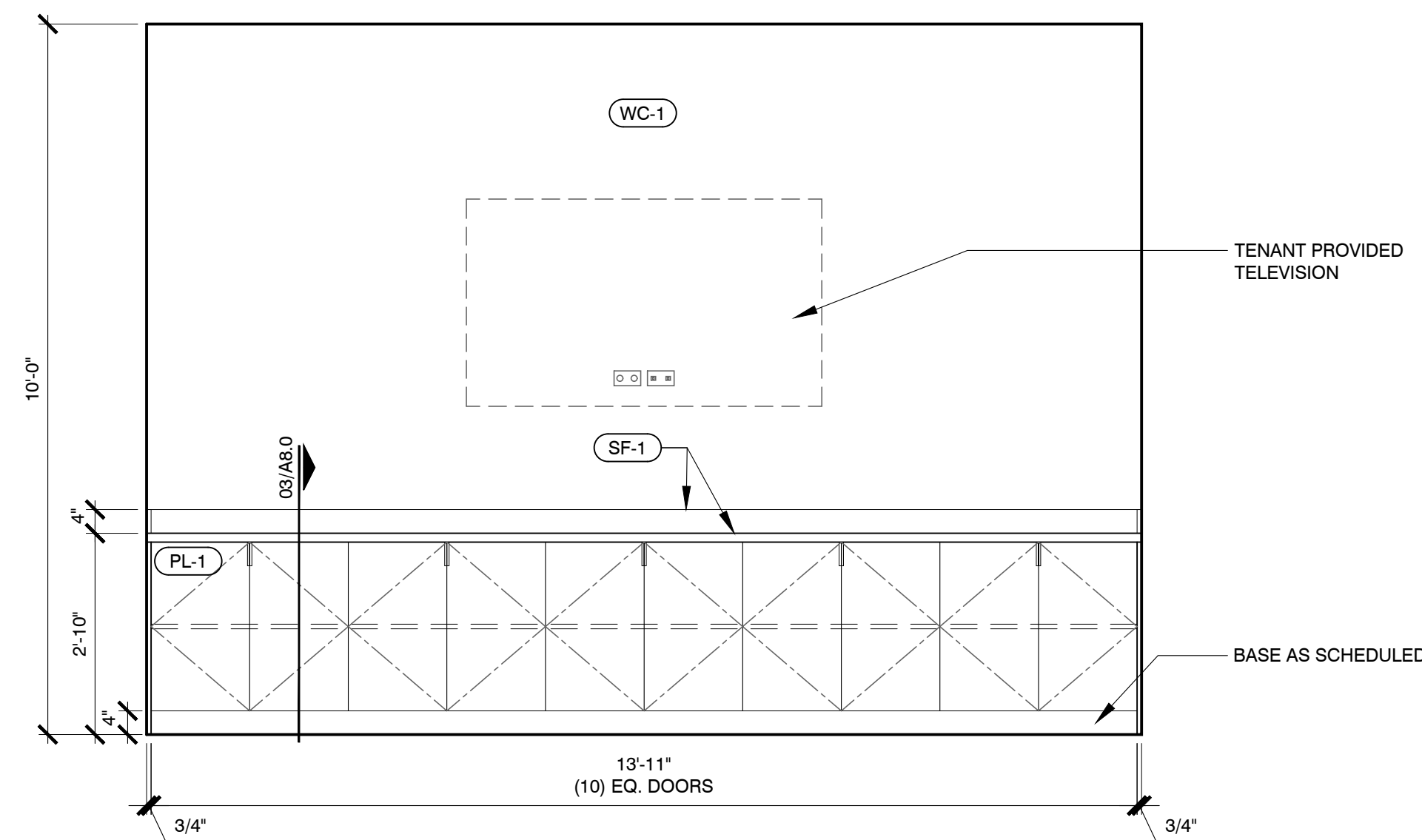
02 ELEVATION @ BREAK 103
SCALE: 1/2" = 1'-0"



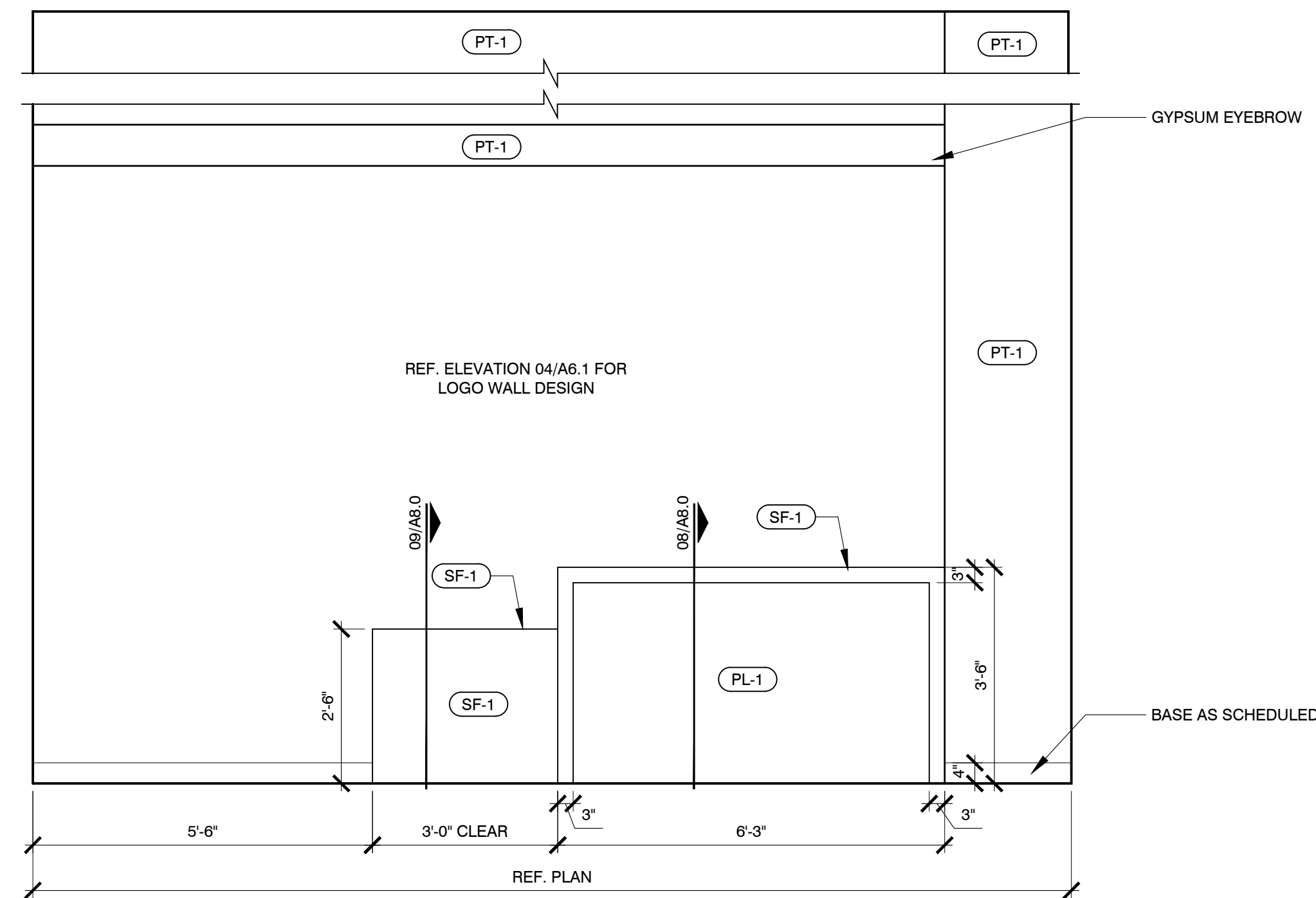
04 ELEVATION @ LOUNGE 104
SCALE: 1/2" = 1'-0"



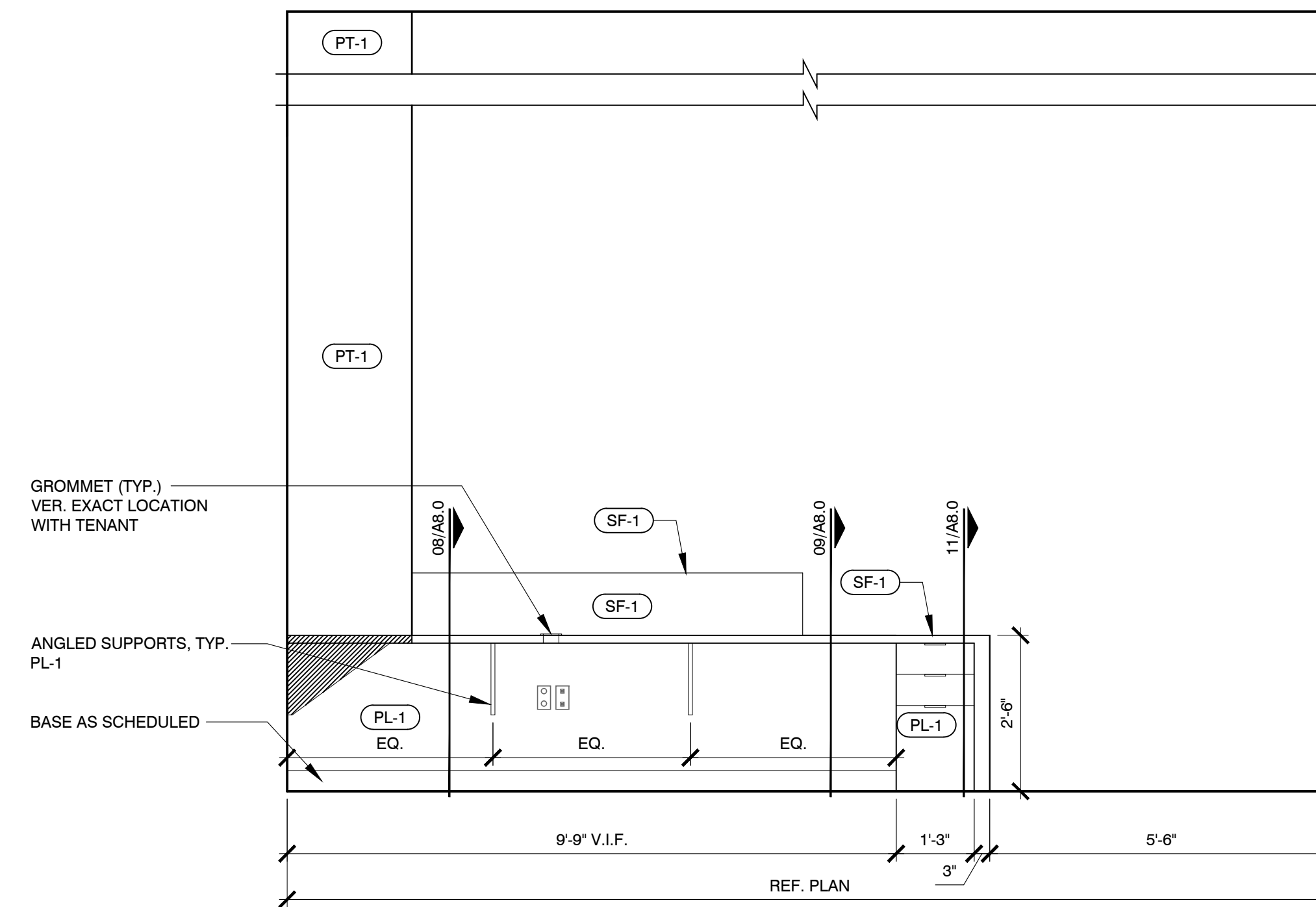
01 ELEVATION @ BREAK 103
SCALE: 1/2" = 1'-0"



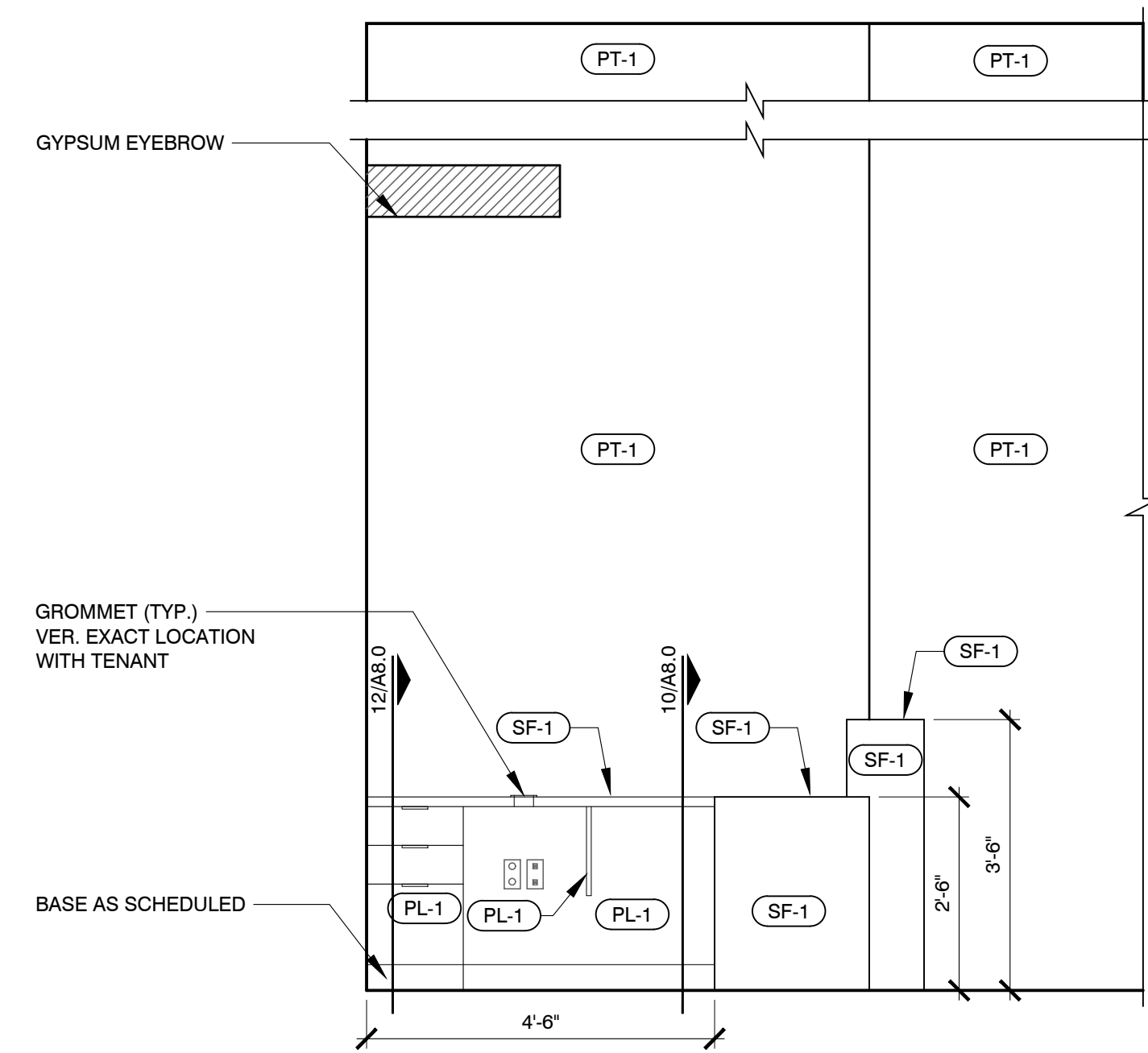
03 ELEVATION @ CONFERENCE 107
SCALE: 1/2" = 1'-0"



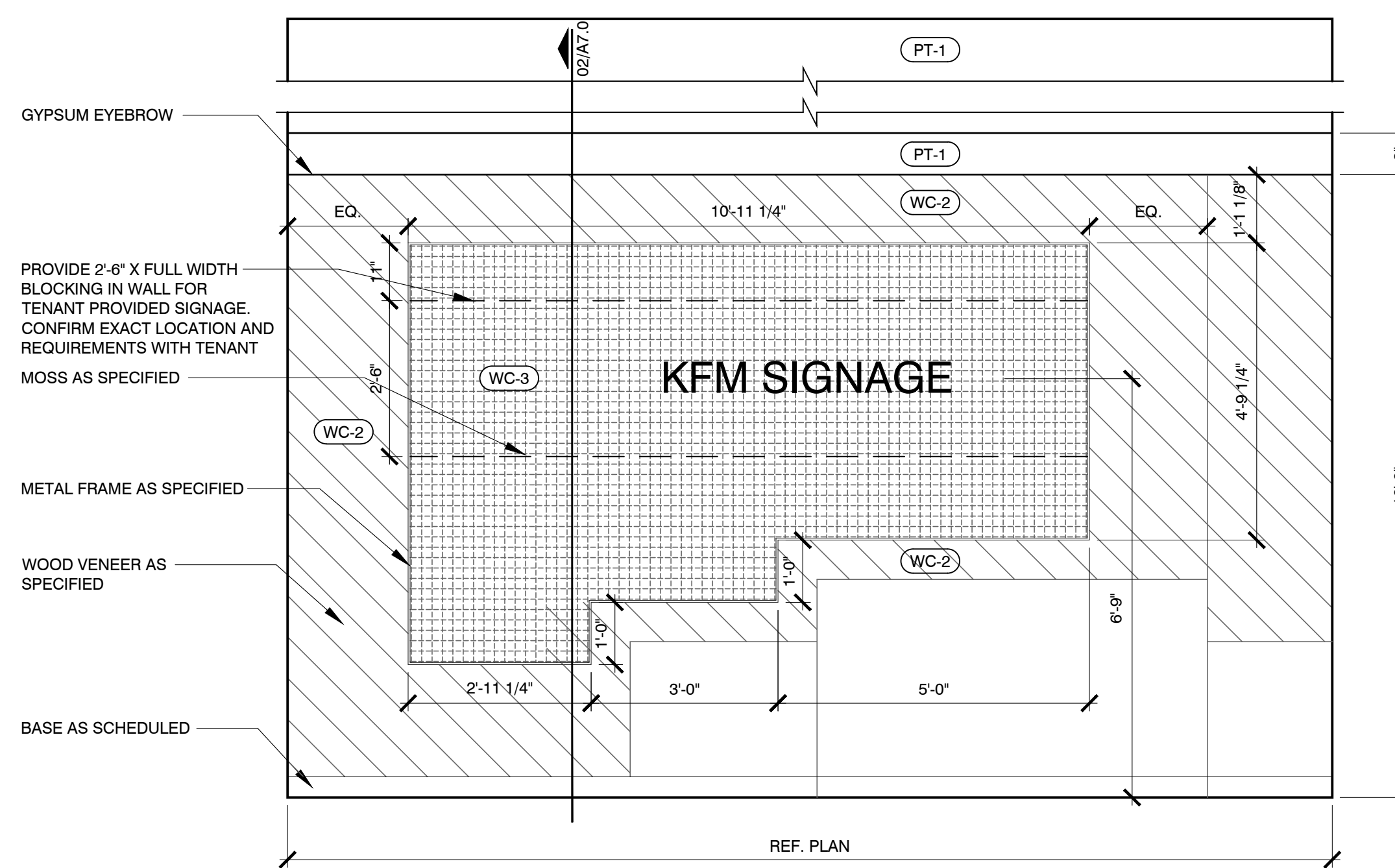
01 ELEVATION @ ENTRY 100
SCALE: 1/2" = 1'-0"



02 ELEVATION @ ENTRY 100
SCALE: 1/2" = 1'-0"



03 ELEVATION @ ENTRY 100
SCALE: 1/2" = 1'-0"



04 ELEVATION @ ENTRY 100
SCALE: 1/2" = 1'-0"

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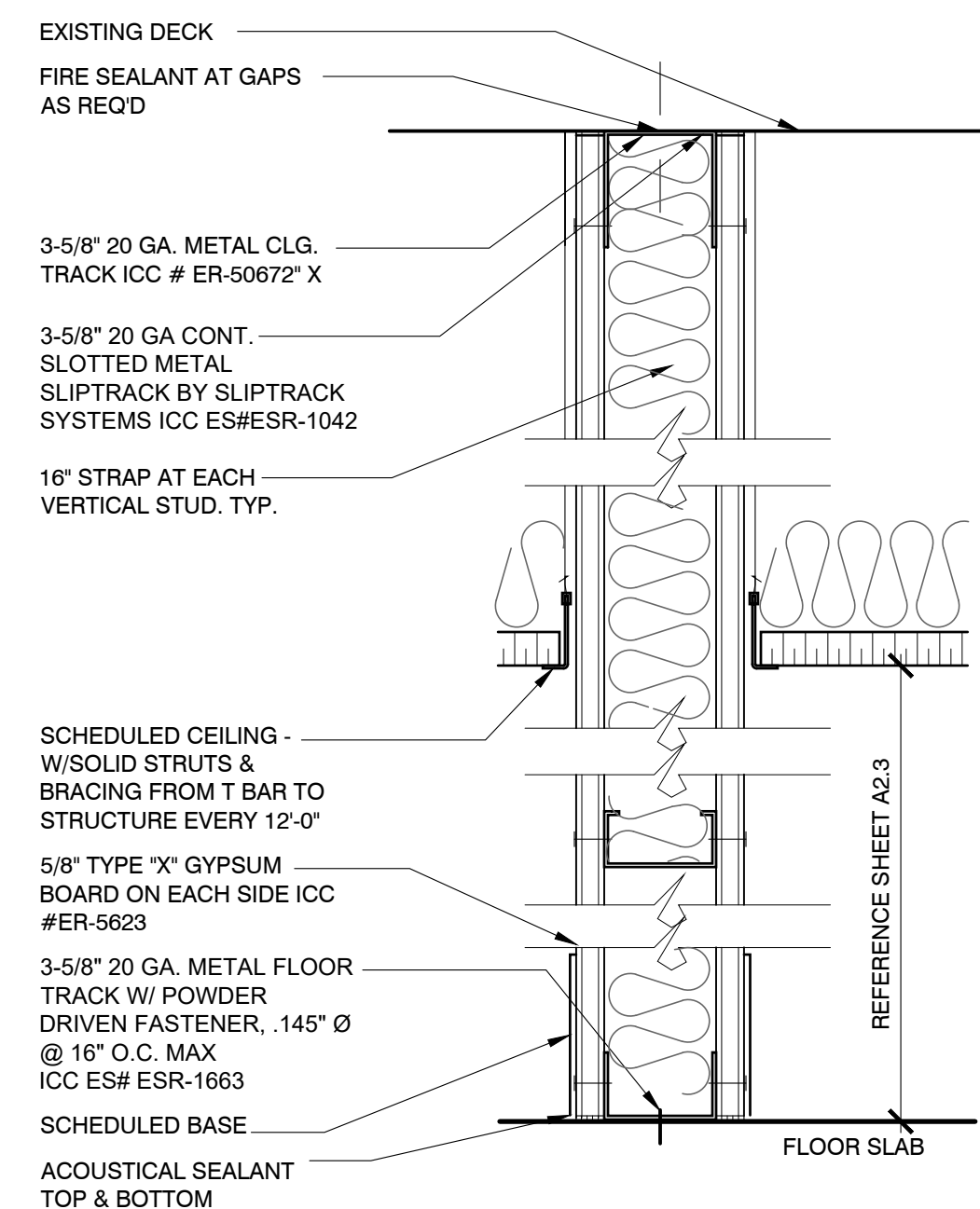
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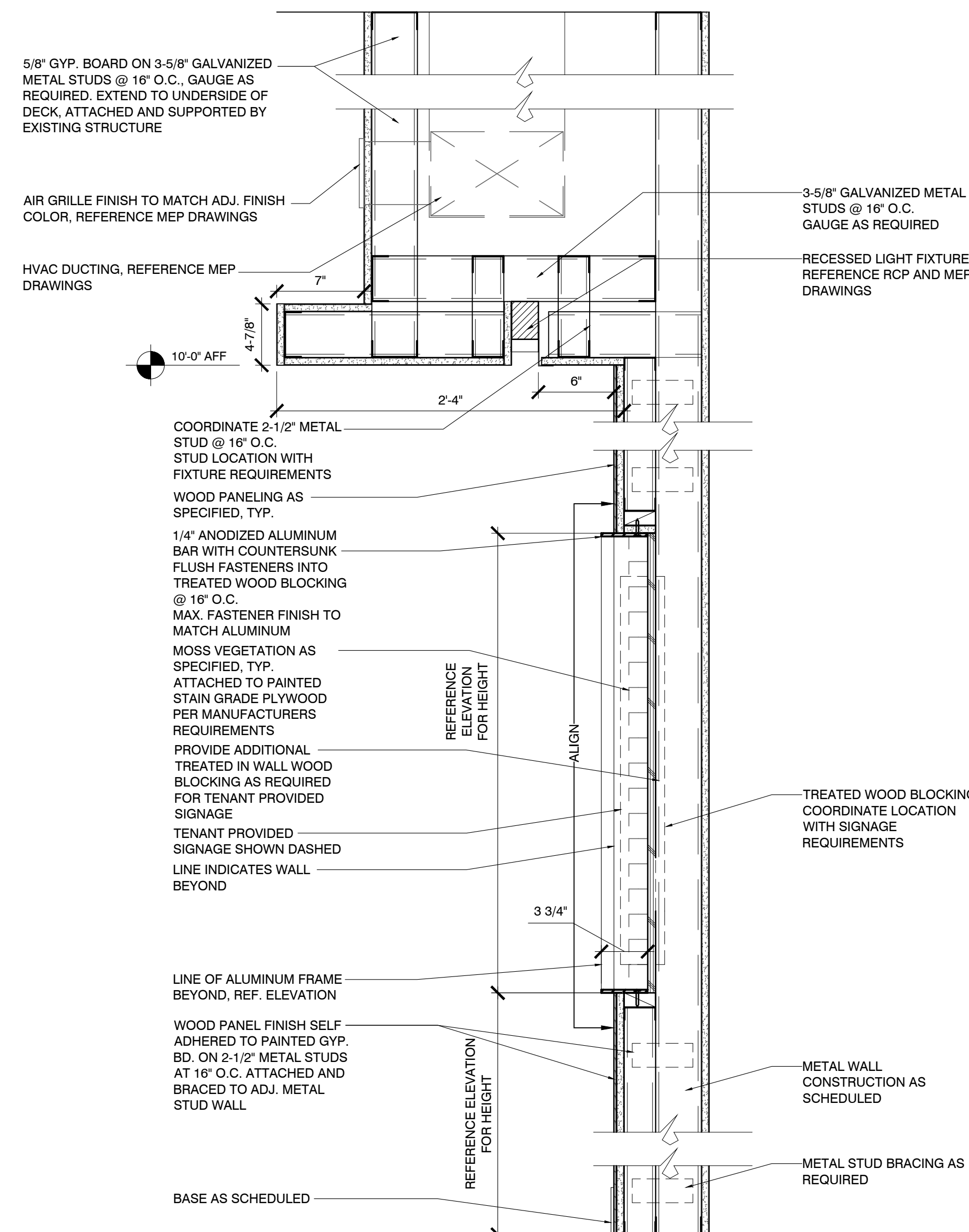
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GENERAL PARTITION TYPE NOTES

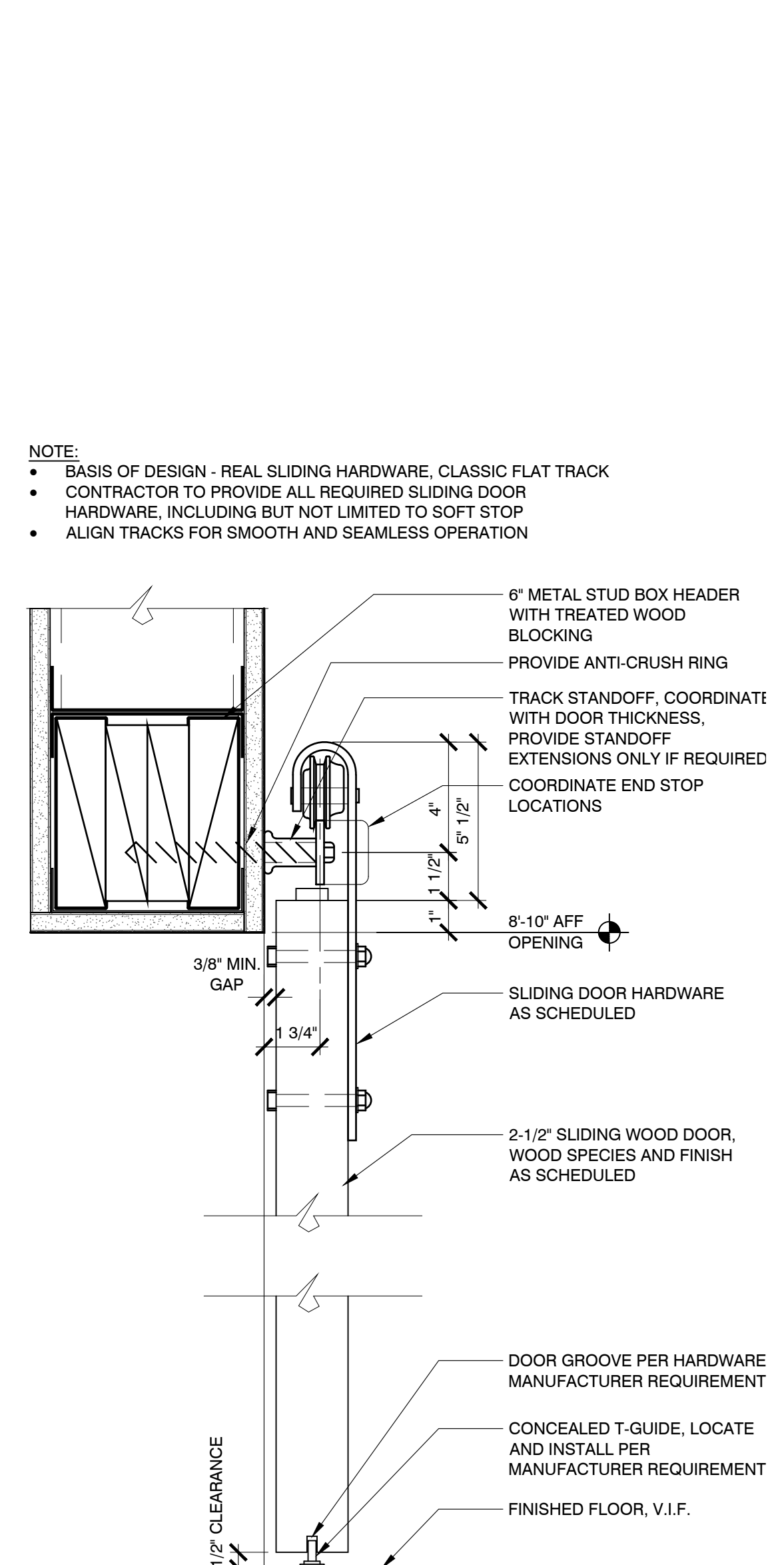
1. TYPICAL PARTITION TO BE TYPE "3X", UNLESS NOTED OTHERWISE ON CONSTRUCTION PLAN.
2. CONTRACTOR TO VERIFY STUD GAUGE REQUIRED.
3. CONTRACTOR TO VERIFY BUILDING STANDARD STUD WIDTH WITH BUILDING MANAGEMENT.



- 3** 3-5/8" x 20 GA. METAL STUD @ 16" O.C., U.O.N. PARTITION FROM SLAB TO DECK. FACE WITH 5/8" TYPE 'X' GYPSUM BOARD. FINISH AS SCHEDULED.
- 3X** AT WALL TYPE 3 WHERE INDICATED WITH AN 'X', PROVIDE SOUND BATT INSULATION.
- 3F** 1 HOUR FIRE RATED AT WALL TYPE 3, WHERE INDICATED WITH AN 'F', PROVIDE SOUND BATT INSULATION AND FIRE SEALANT AT GAPS (UL419).
- 3P** SAME AS WALL TYPE '3X' WITH 6" STUDS.



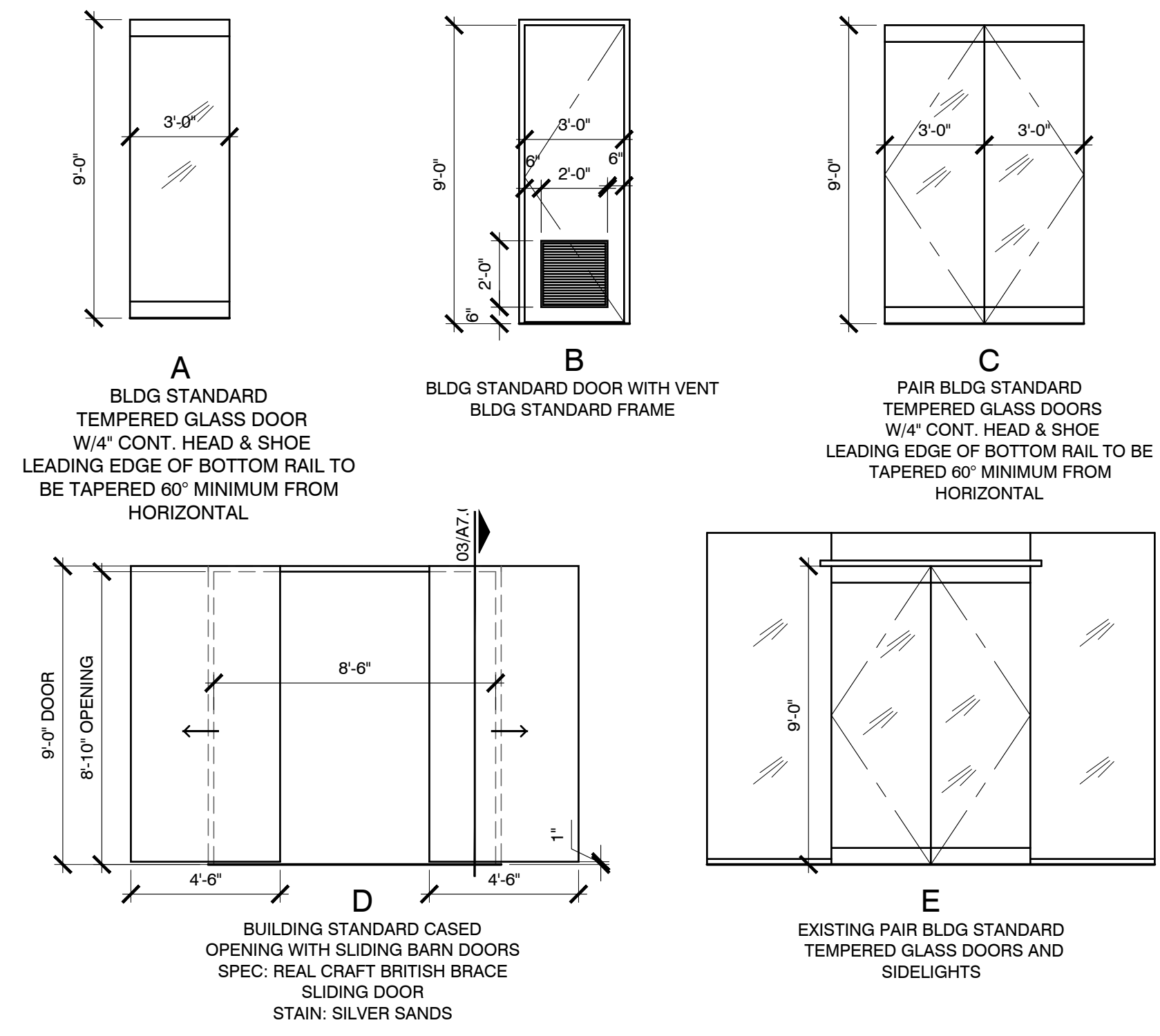
02 LOGO WALL DETAIL
SCALE: 1-1/2" = 1'-0"



03 BARN DOOR DETAIL
SCALE: 3" = 1'-0"

01 WALL TYPE 3
SCALE: 1-1/2" = 1'-0"

DOOR TYPES:



DOOR HARDWARE SCHEDULE	
a	MAG LOCK W/ CLOSER, PUSH BUTTON RELEASE & POWER SOURCE FOR TENANT-PROVIDED SECURITY SYSTEM
b	STOREROOM LOCKSET
c	BUILDING STANDARD TUBULAR PULLS (EACH SIDE) WITH CONCEALED CLOSER
d	REAL CRAFT CLASSIC FLAT TRACK WITH CLASSIC BARN DOOR HANDLE - 20" WITH 15" FLUSH PULL, FINISH: BLACK
f	ELECTRIC STRIKE W/ LOCKSET & CLOSER, PUSH BUTTON RELEASE & POWER SOURCE FOR TENANT-PROVIDED SECURITY SYSTEM

GENERAL DOOR/HARDWARE NOTES:

1. HARDWARE TO BE BUILDING STANDARD "LEVER" TYPE ADA/TAS COMPLIANT, U.O.N. COORDINATE WITH BUILDING MANAGEMENT.
2. CLOSERS TO BE ADJUSTED TO MEET ADA/TAS STANDARDS. DOORS SHALL CLOSE FROM AN OPEN POSITION OF 70 DEGREES TO A POINT 3" FROM LATCH IN A MINIMUM OF (3) THREE SECONDS AND SHALL REQUIRE A MAXIMUM OF (5) POUNDS OF FORCE (lb) TO OPEN.
3. KEYS: LOCKSETS TO ALL ROOMS TO BE KEYED TO MASTER. CONTRACTOR TO COORDINATE WITH BLDG. MGMT. FOR QUANTITY OF MASTER SETS TO BE PROVIDED.
4. KEYWAY: KEYING UNDER GC CONTRACT BY A-1 LOCKSMITHS AT INTERNATIONAL BUSINESS PARK AND BY WAYFAIR LOCKSMITH AT CYPRESS WATERS.
5. ALL ELECTRICAL DOOR HARDWARE AND ACCESSORIES FOR INFORMATION ONLY. COORDINATE WITH SECURITY CONSULTANT AND BLDG. MGMT. FOR FINAL SELECTION.
6. ALL DOOR HARDWARE AND ACCESSORIES TO MATCH BUILDING STANDARDS, U.O.N. SPECIFICATIONS FOR DOORS AND FRAMES:

DOOR FRAMES: RACO "CLASSIC PRESTIGE," OR APPROVED EQUAL, CLEAR ALUMINUM.

DOORS: 3'-0" X 9'-0" X 1-3/4" FIVE PLY SOLID CORE, FLUSH SLAB STAINED VENEER, BIRCH. STAIN FINISH: RIVERSTONE, RI 18, VT INDUSTRIES OR APPROVED EQUAL.
MORTISE SETS: SARGENT 8100 SERIES, LNH LEVER TRIM US26, POLISHED CHROME.

KEY: YALE GC KEYWAY.

HINGES: HAGER, MCKINNEY, OR STANLEY 4-1/2" X 4-1/2", 5-KNUCKLE, NON REMOVABLE PIN AT CORRIDORS.
4-1/2" X 4-1/2", 5-KNUCKLE, NON-RISING PIN AT CORRIDORS. US26, POLISHED CHROME.

CLOSER: YALE TO MATCH EXISTING.

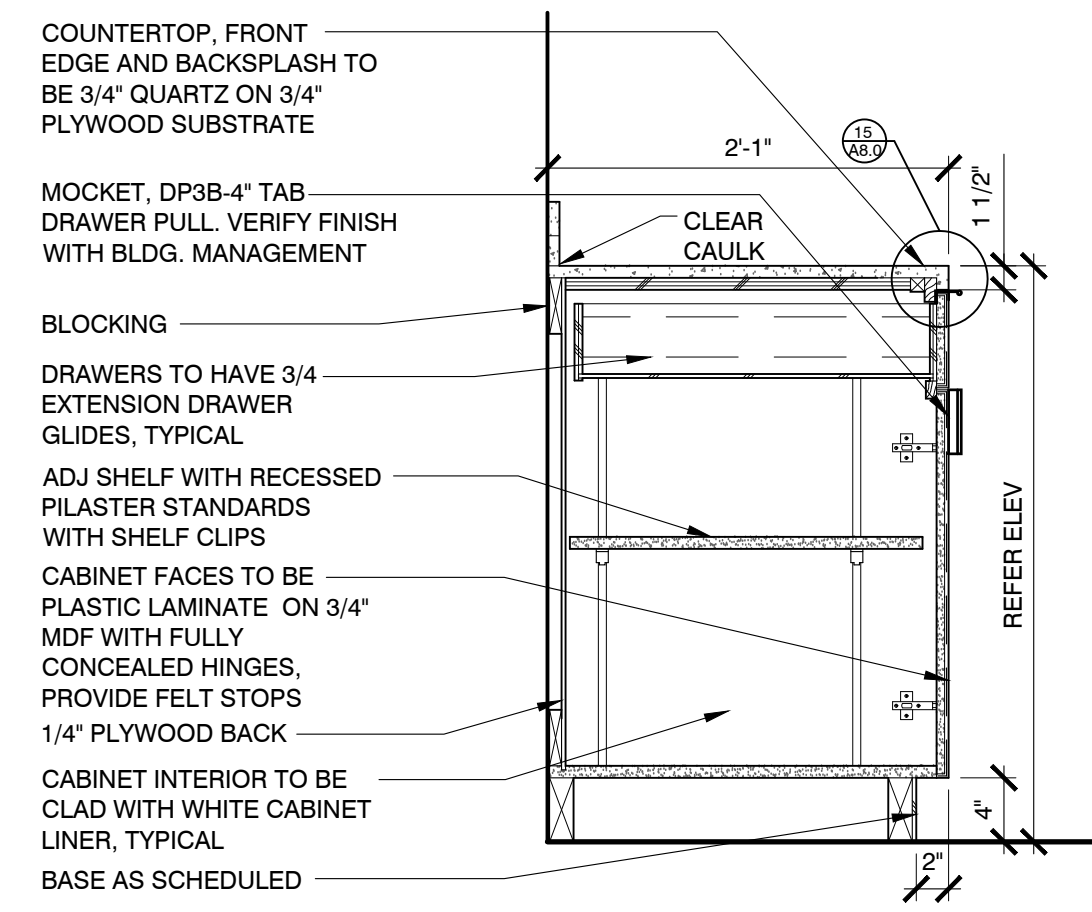
STOPS: FLOOR MOUNTED STOPS IN POLISHED OR SATIN STAINLESS STEEL.
7. PROVIDE DOOR FINISH SAMPLE TO BLDG. MGMT. FOR REVIEW AND APPROVAL PRIOR TO ORDERING.
8. ALL GLASS THICKNESS TO BE TO CODE AND DETERMINED BY GLASS VENDOR
9. REFERENCE PLAN FOR DOOR SWING DIRECTIONS. DOOR TYPES ARE FOR VISUAL PURPOSES ONLY.

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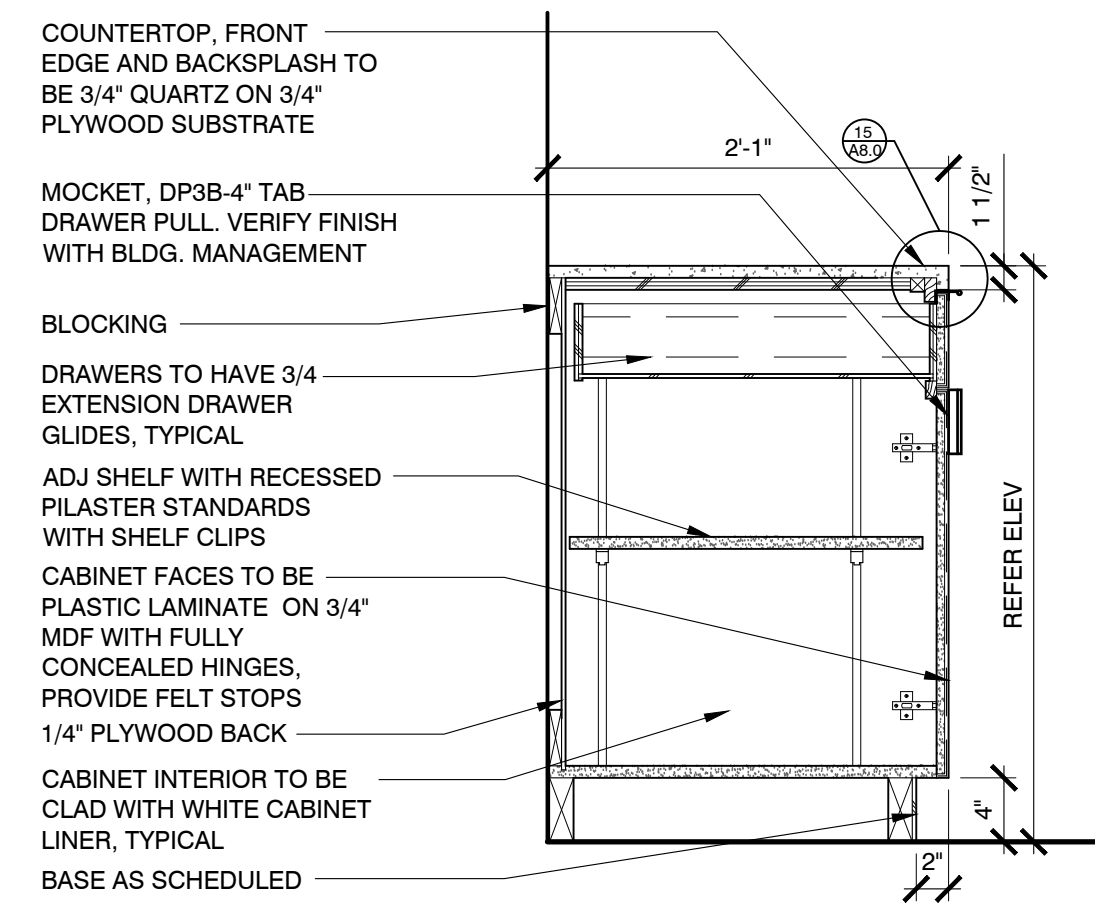
LANDLORD/CLIENT REVIEW ISSUE DATE: 09/29/20
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DRAWING TITLE:
PARTITION & DOOR TYPES

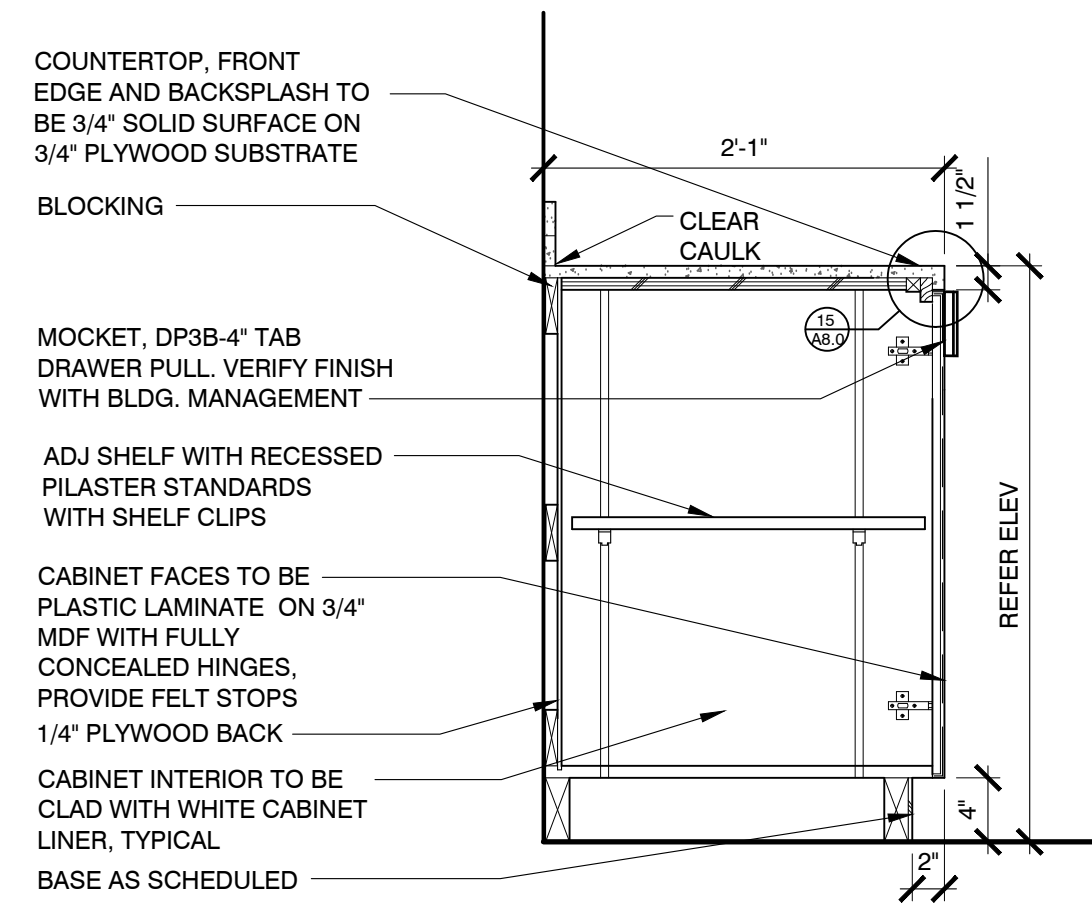
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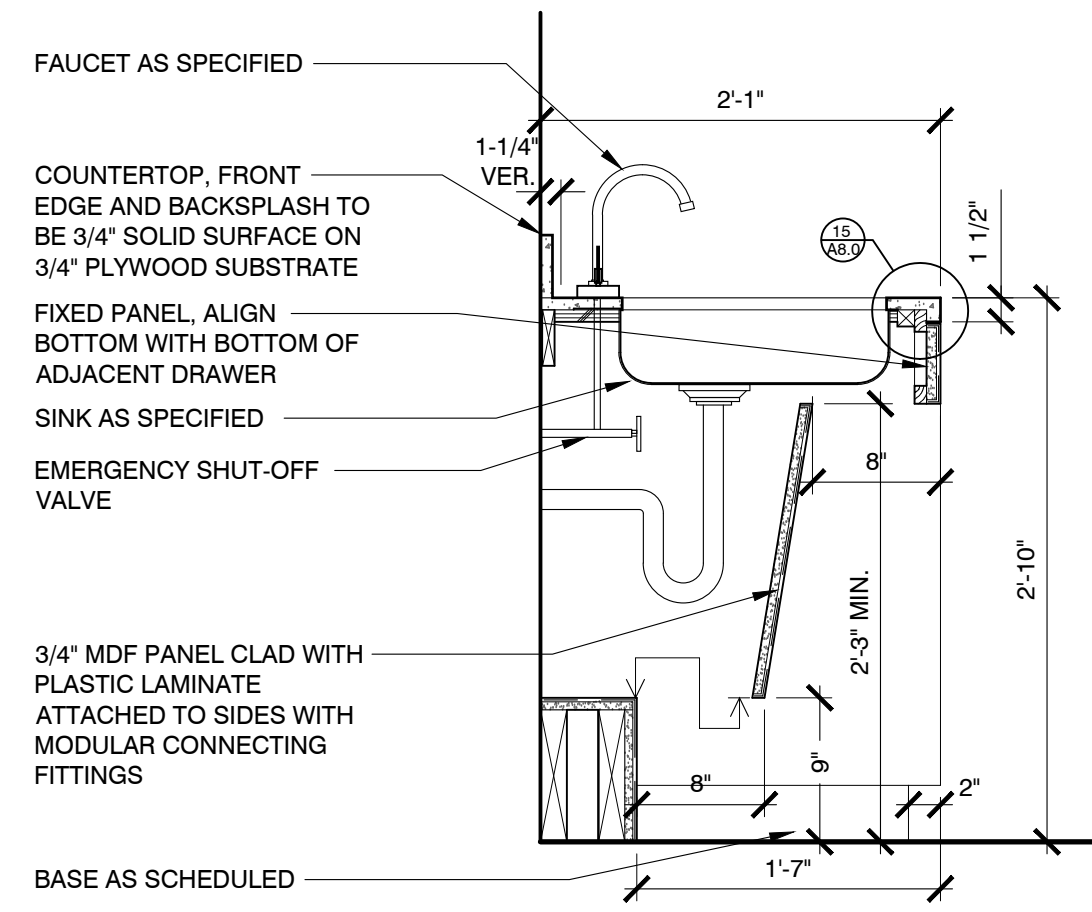
01 BASE CAB. SECTION
SCALE: 1" = 1'-0"



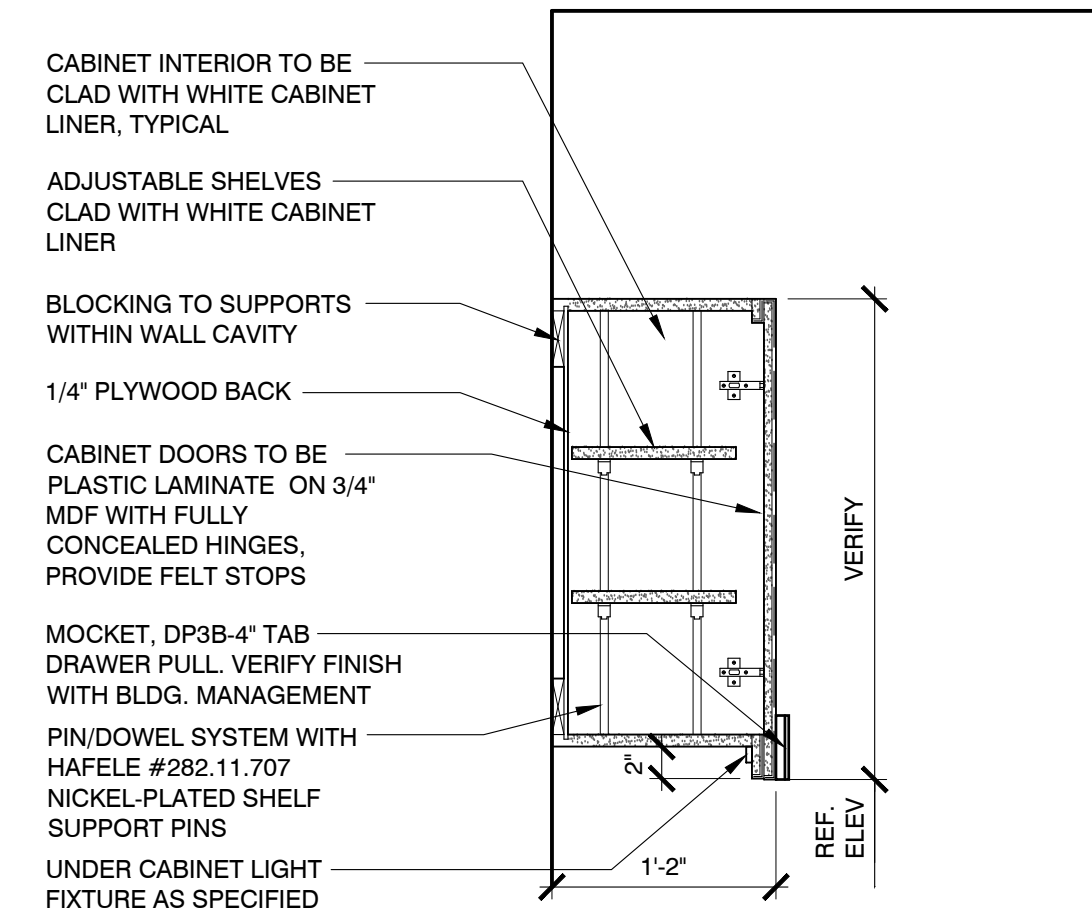
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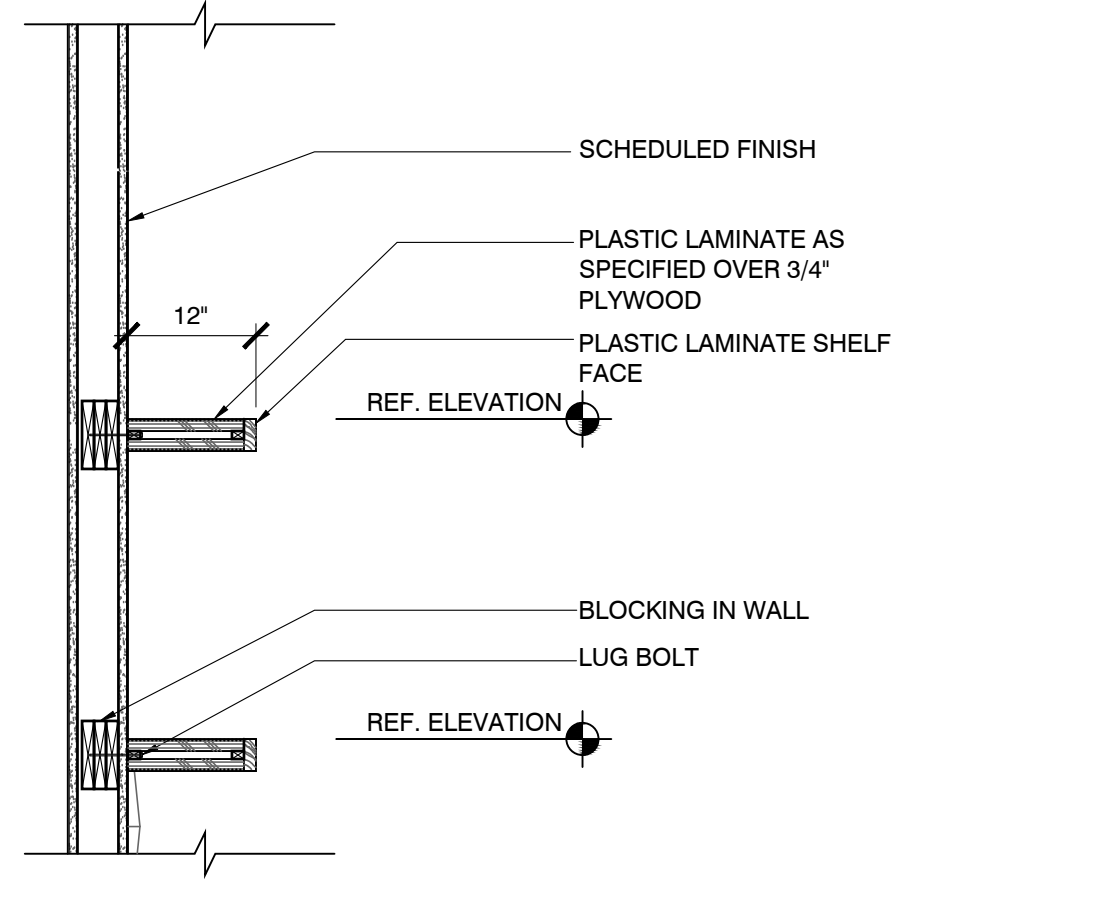
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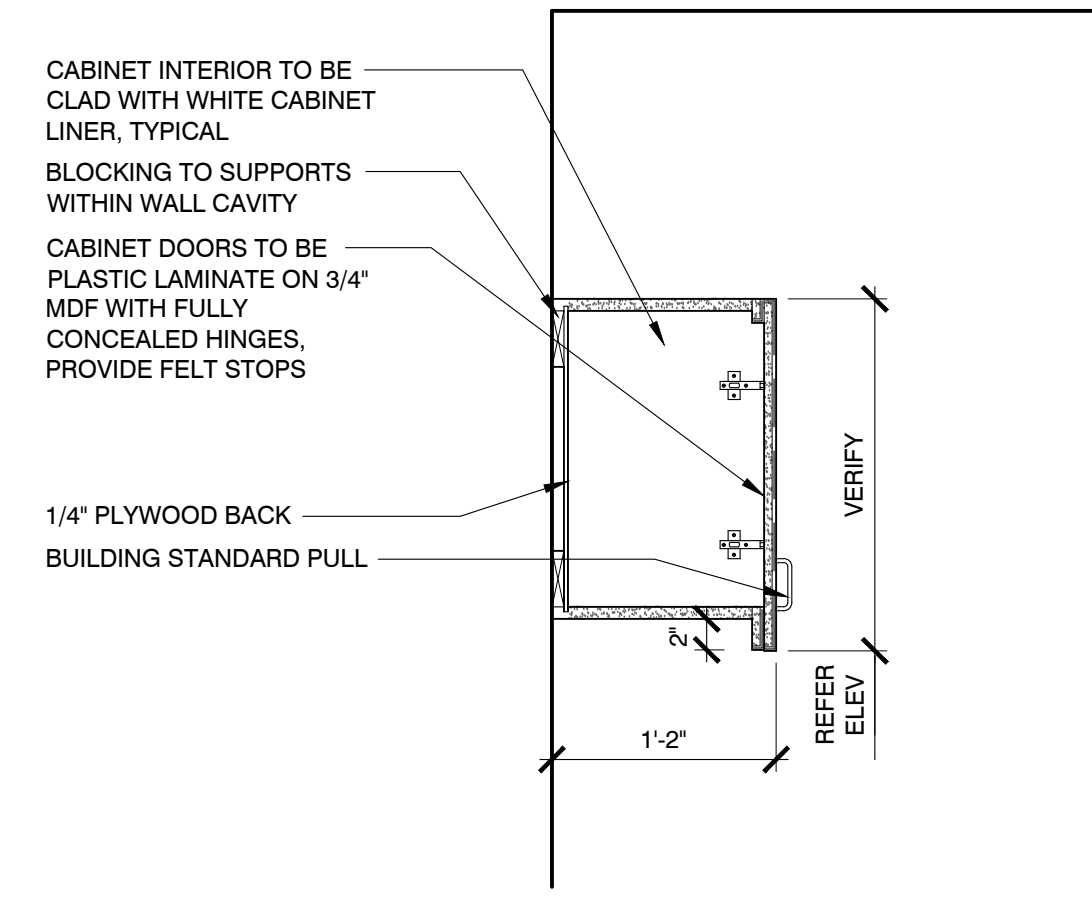
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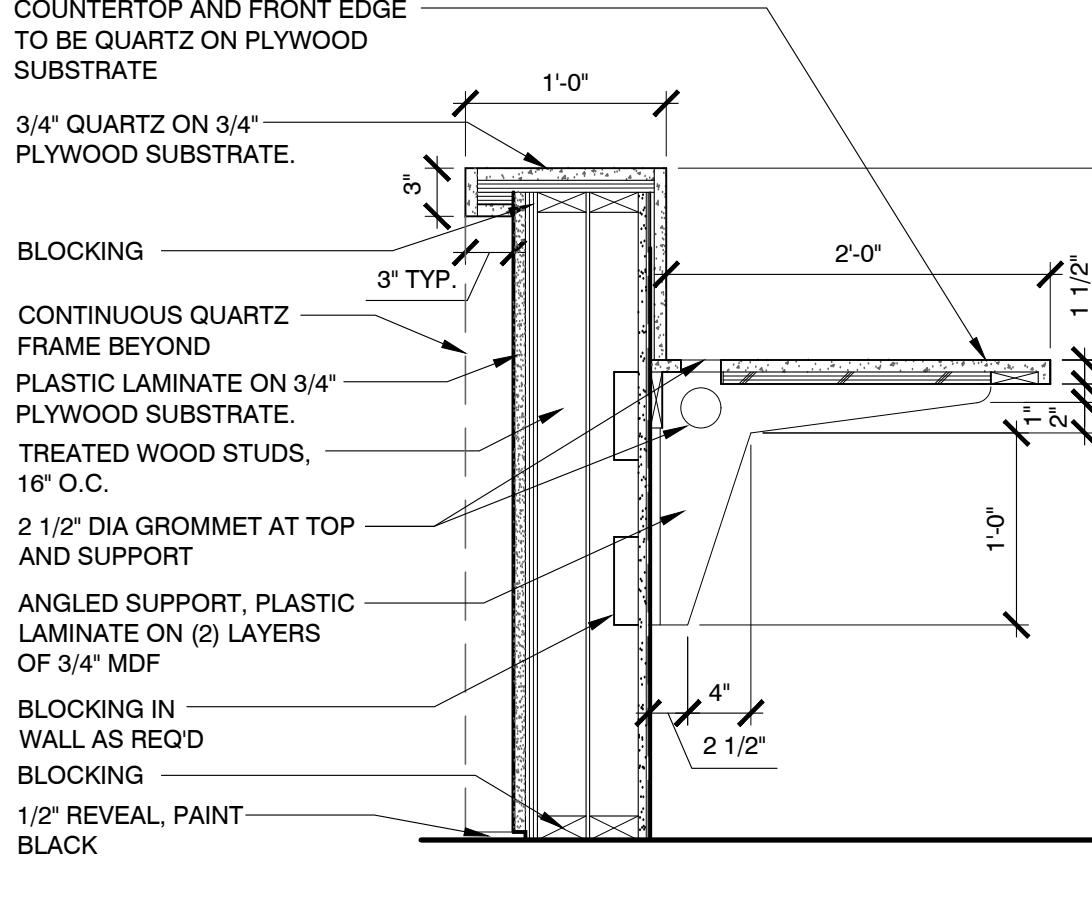
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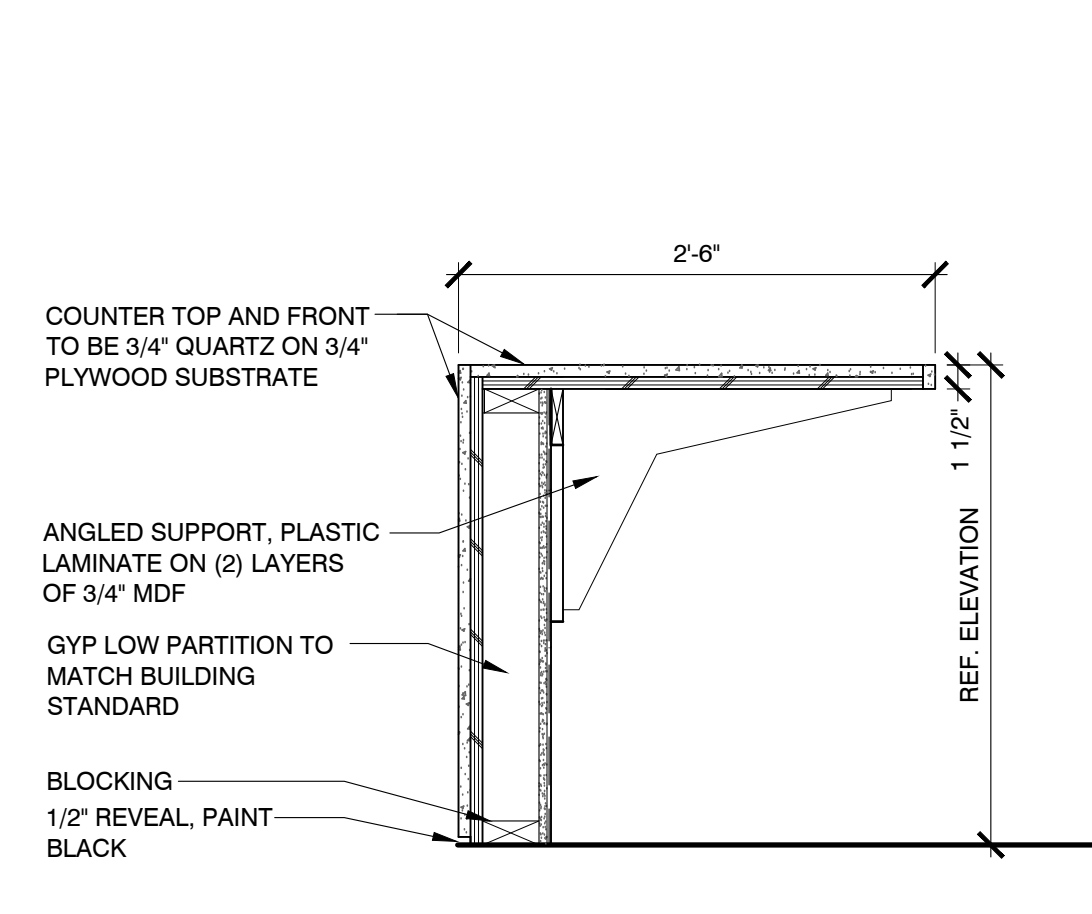
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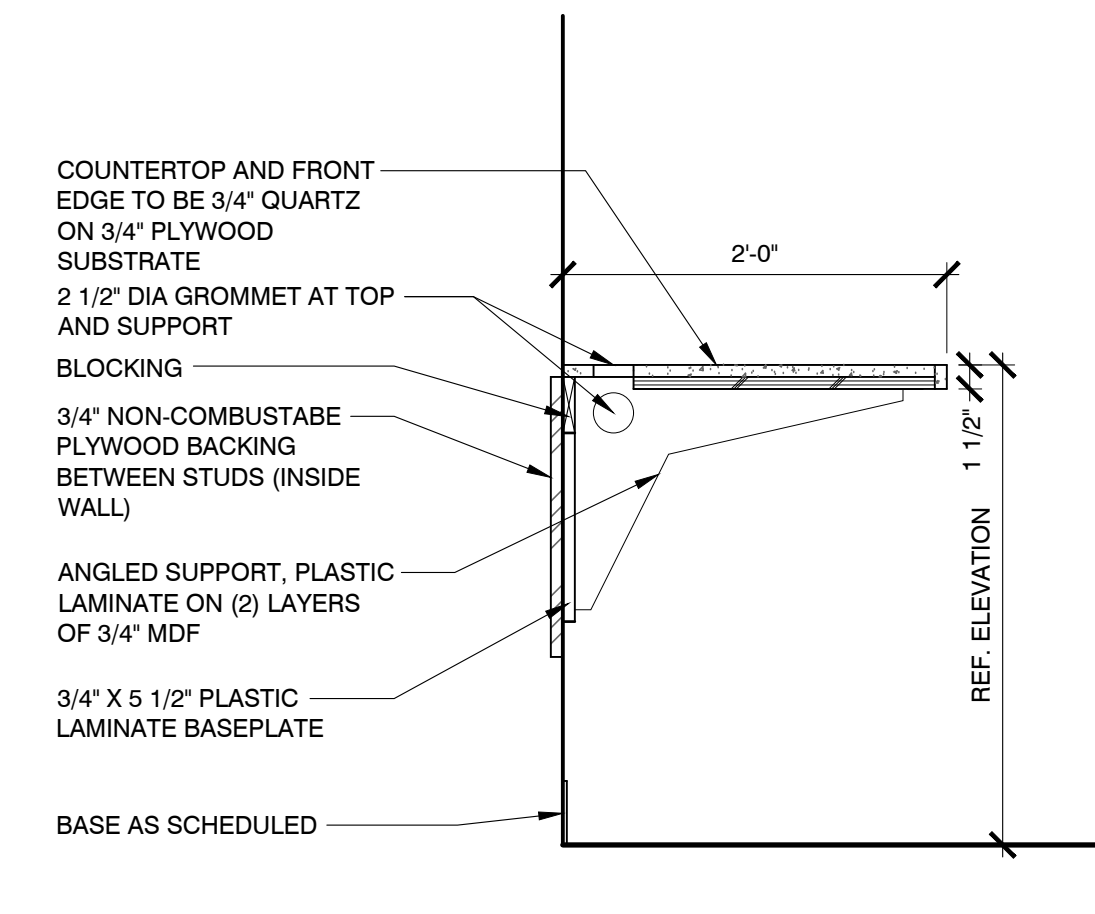
07 UPPER CAB. SECTION
SCALE: 1" = 1'-0"



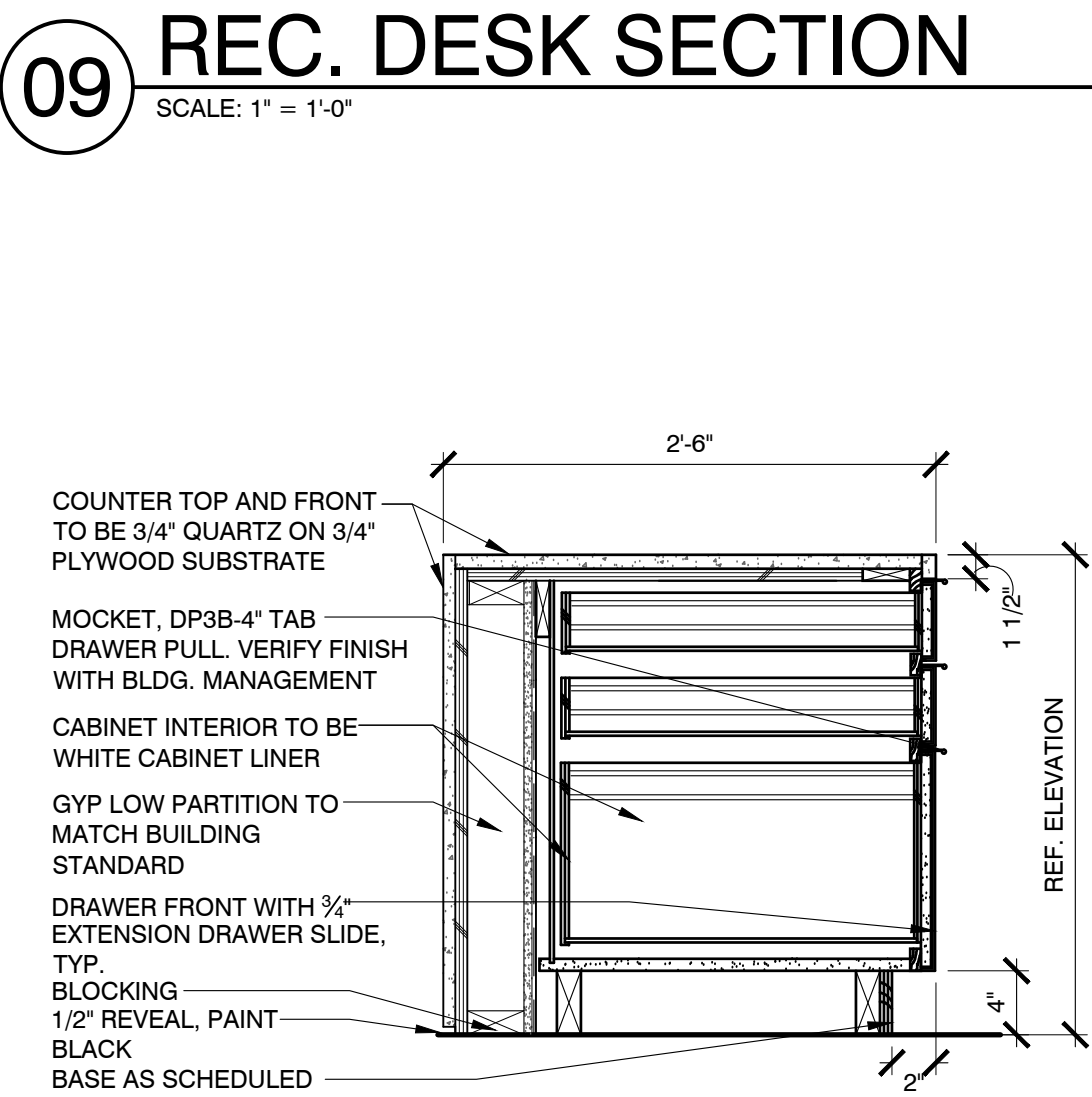
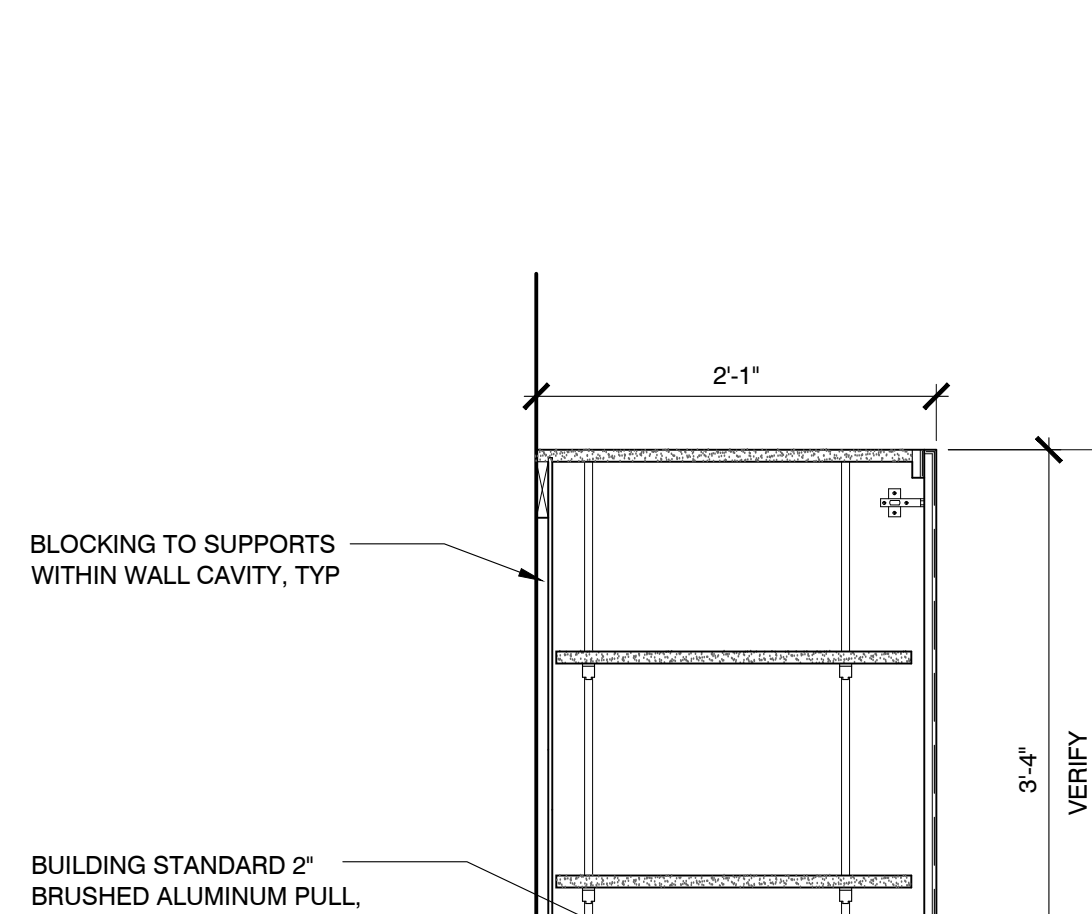
08 REC. DESK SECTION
SCALE: 1" = 1'-0"



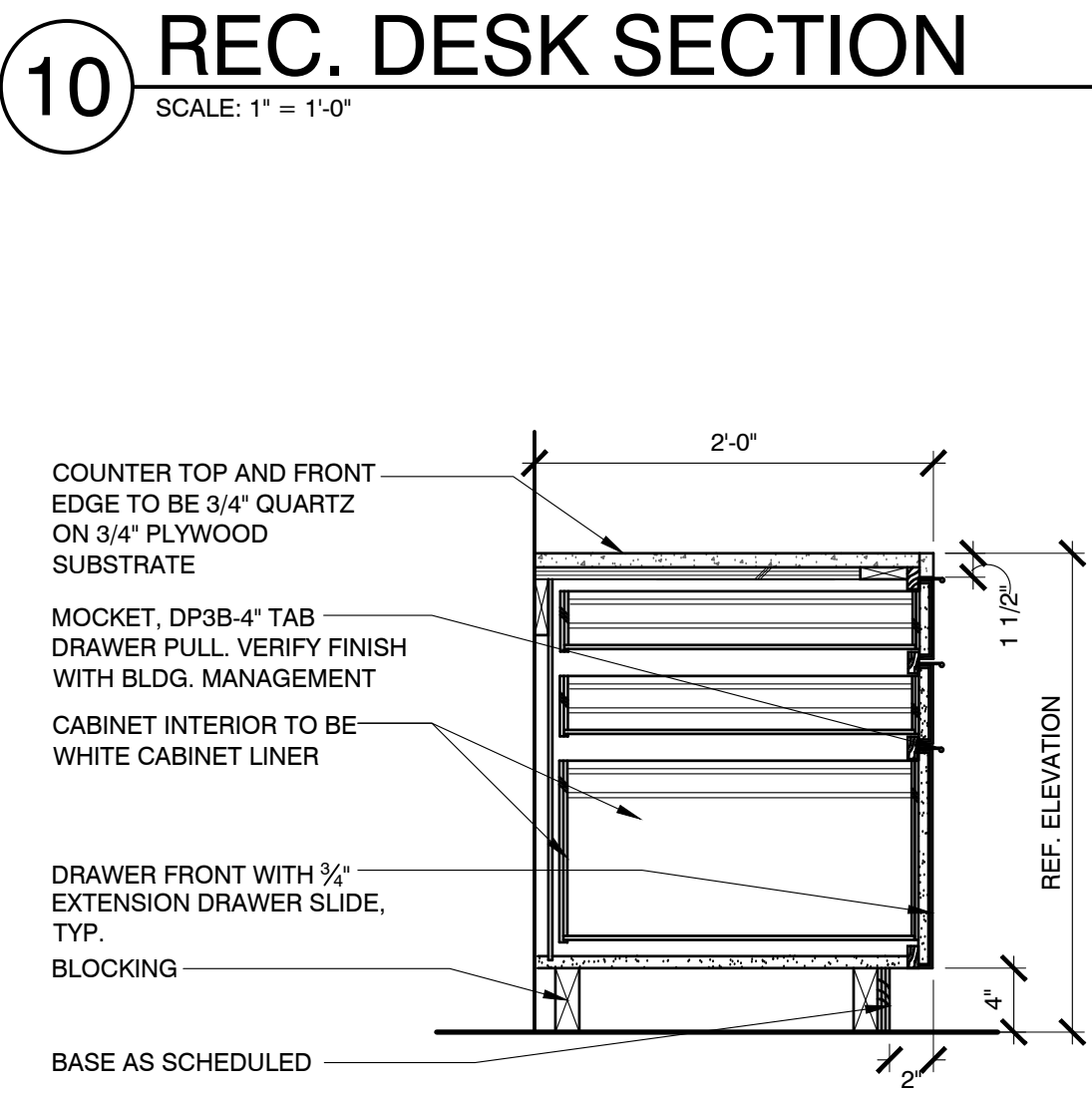
09 REC. DESK SECTION
SCALE: 1" = 1'-0"



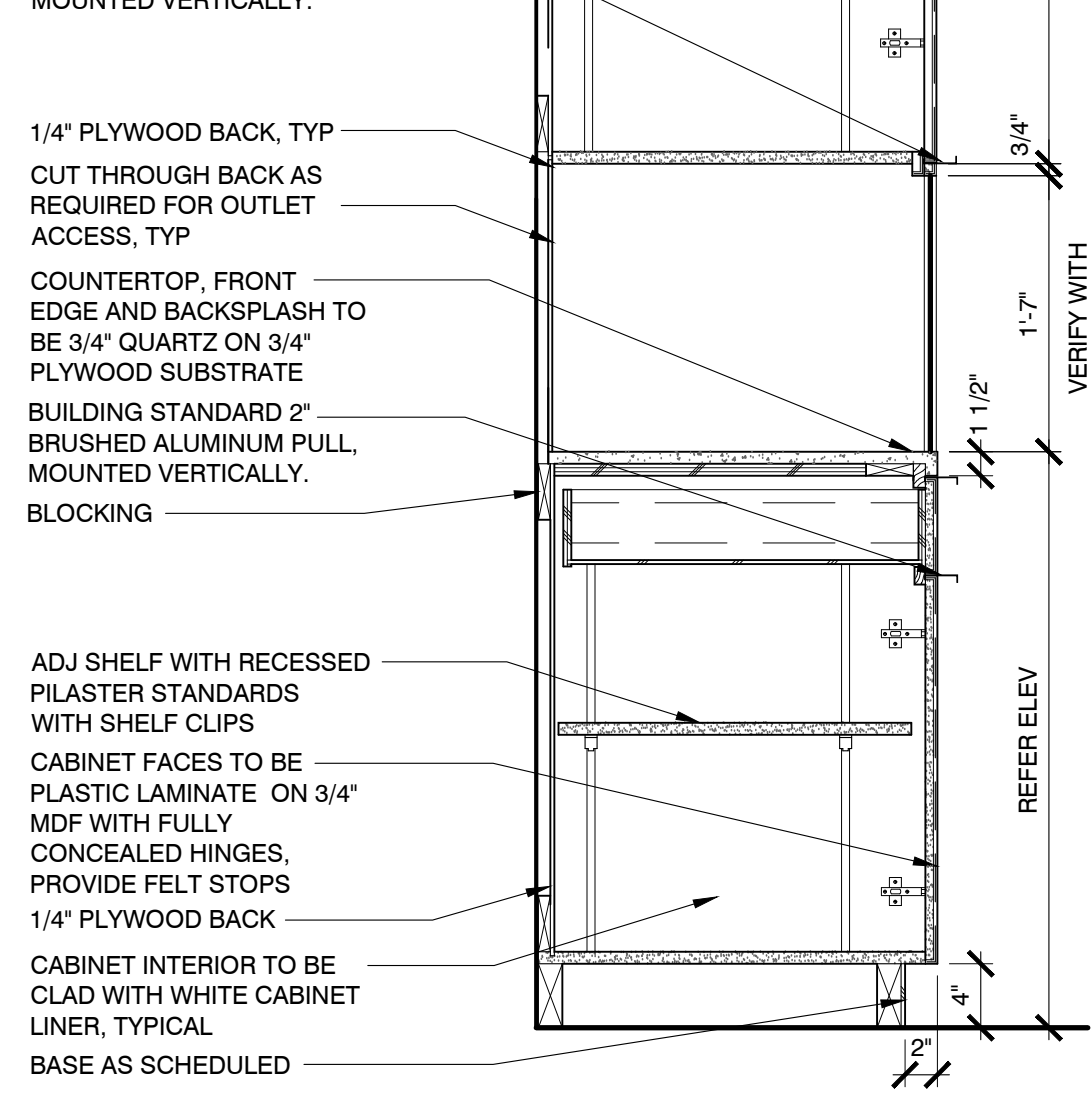
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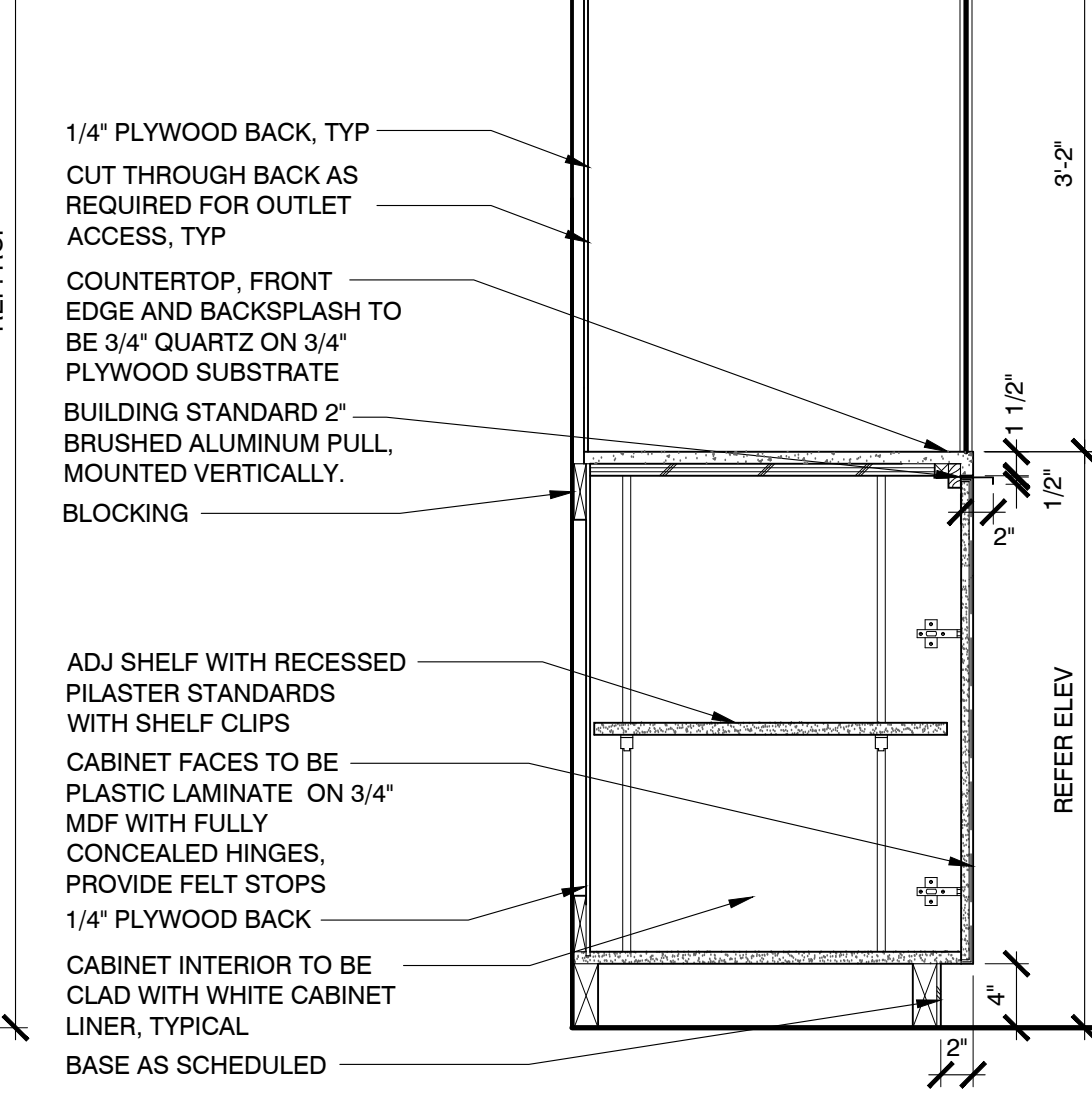
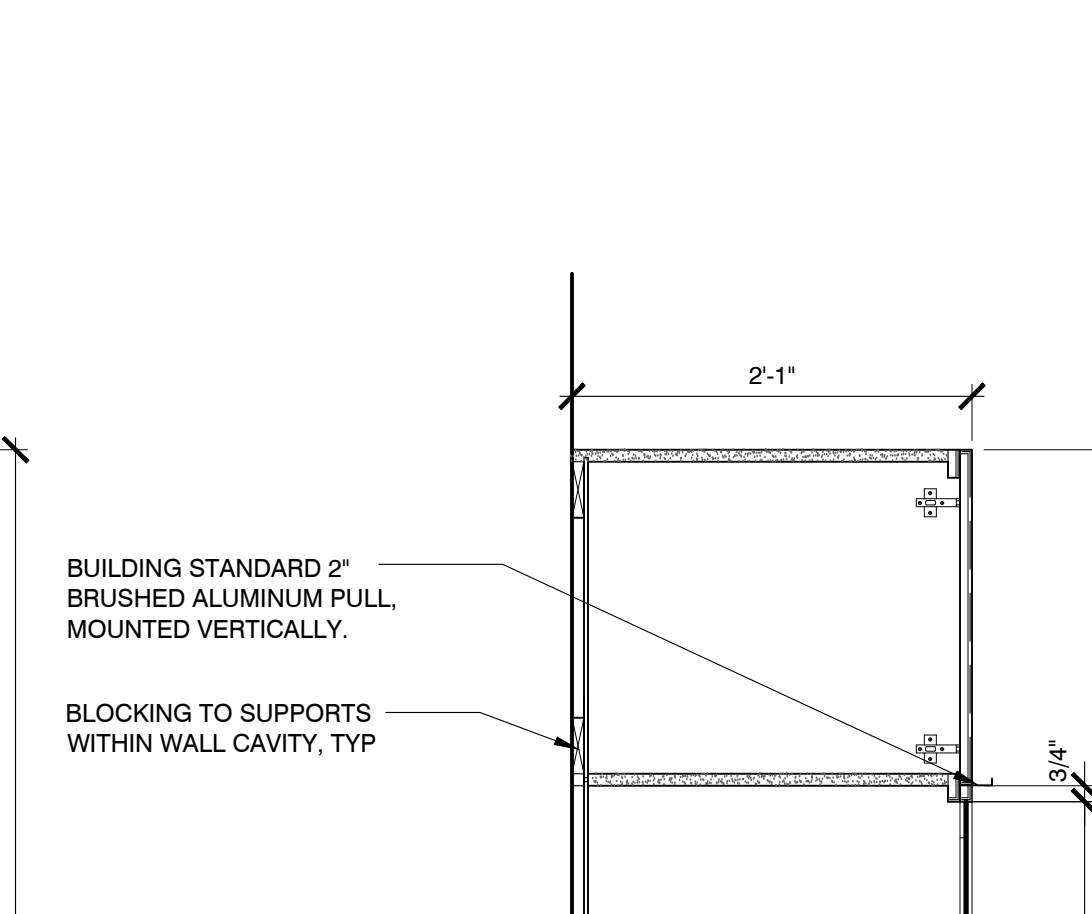
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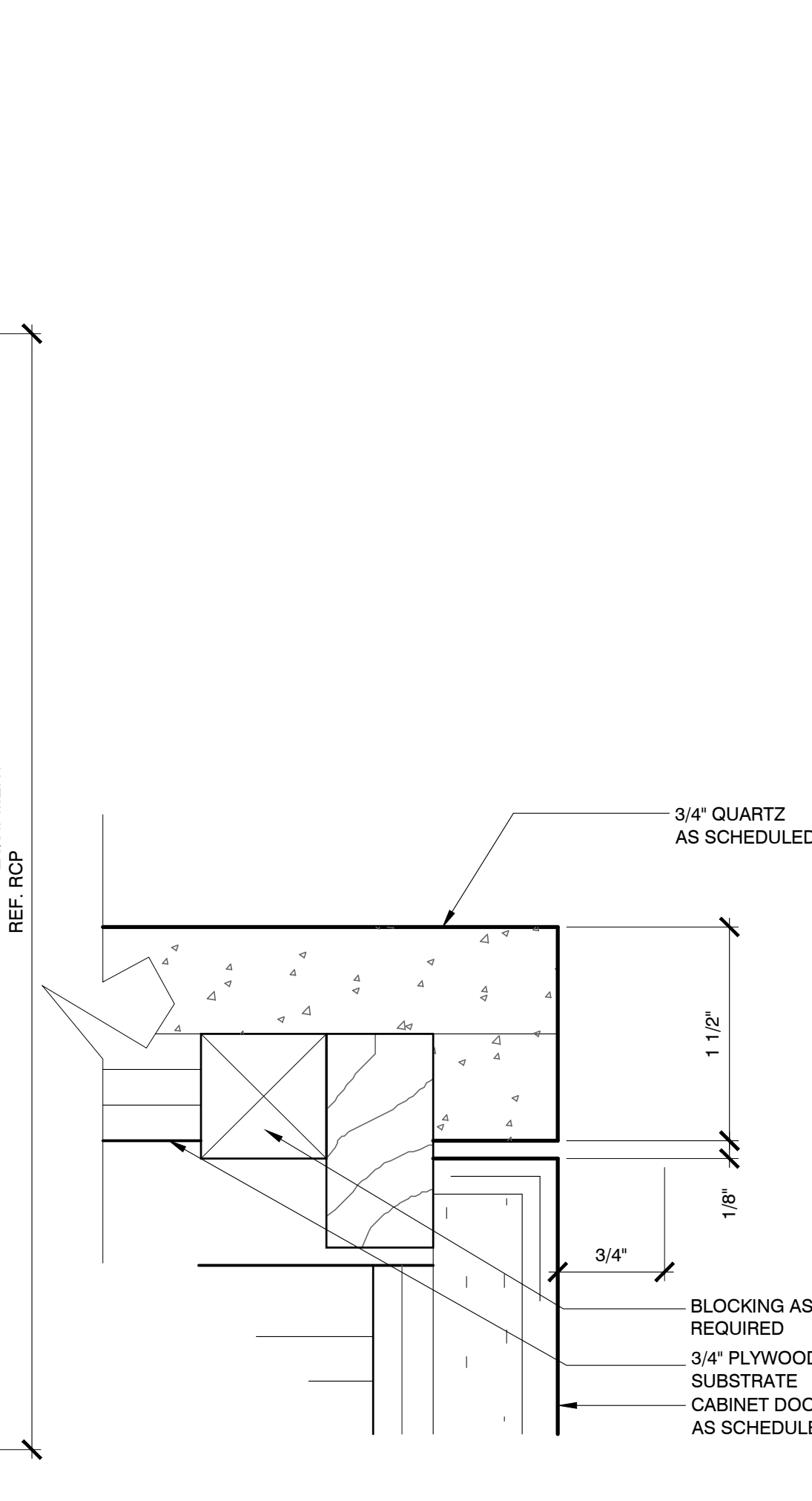
12 REC. DESK SECTION
SCALE: 1" = 1'-0"



13 MW TOWER SECTION
SCALE: 1" = 1'-0"



14 ICE MAKER SECTION
SCALE: 1" = 1'-0"



15 SS DETAIL
SCALE: 1" = 1'-0"

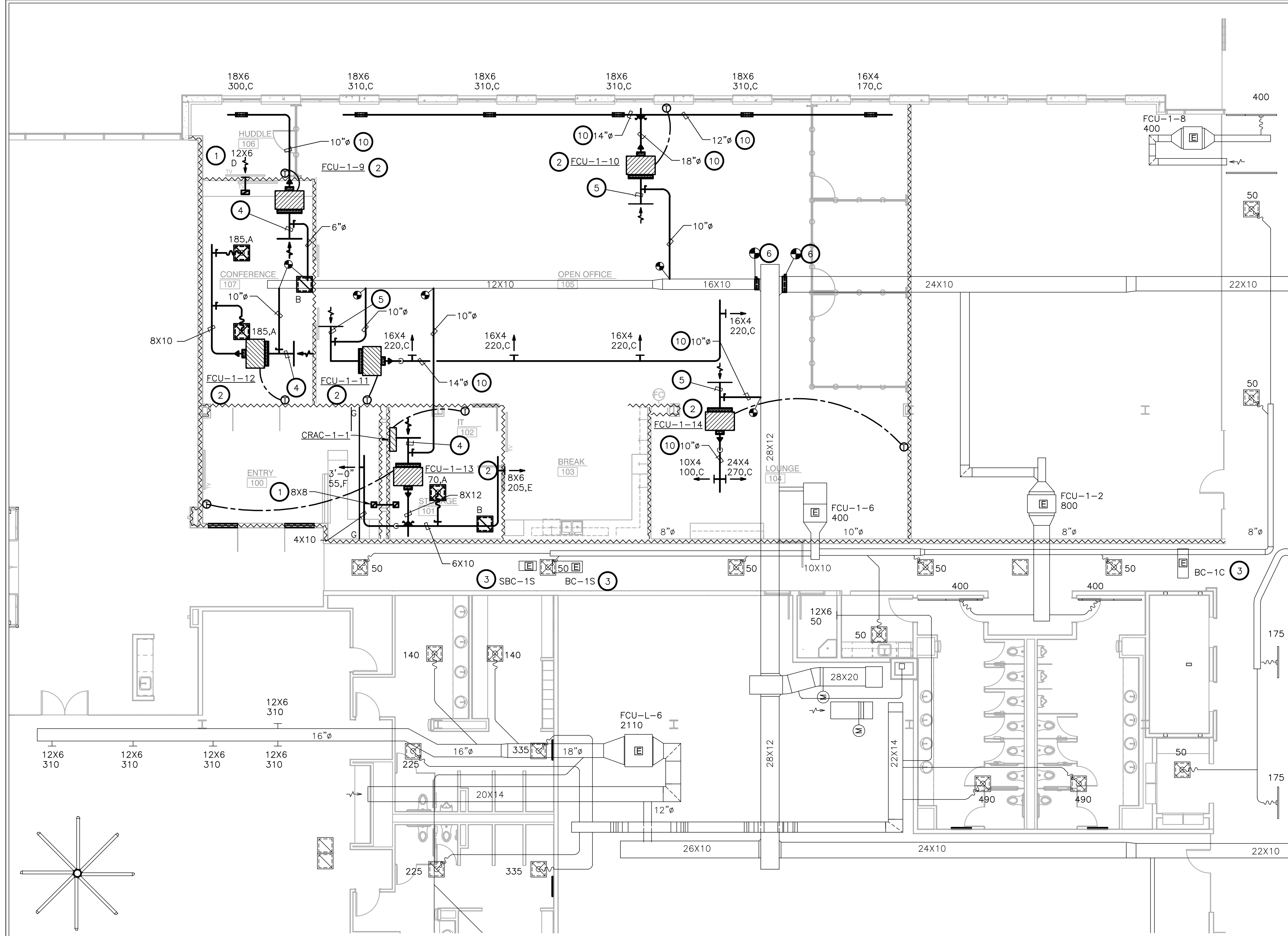
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DRAWING TITLE:
SECTIONS & DETAILS

DRAWING NUMBER:

A8.0



1 LEVEL 01 MECHANICAL PLAN
SCALE: 1/8"=1'-0"

NOTES BY SYMBOL (X):

1. PROVIDE ACOUSTICALLY LINED RETURN AIR BOOT THRU WALL TO DECK AS HIGH AS POSSIBLE ABOVE CEILING WITH 90° ELBOW FACING UPWARD. SIZE PER PLANS. REFER TO DETAIL Q1/MQ.01 FOR MORE INFORMATION.
2. FC UNIT TO BE SUSPENDED FROM STRUCTURE. EXTEND FULL SIZED RETURN AIR PLENUM AS INDICATED ON DRAWINGS. PROVIDE MANUAL DAMPER AT OUTSIDE AIR DUCT CONNECTION TO PLENUM.
3. EXISTING BRANCH CONTROLLER SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS.
4. EXTEND FULL SIZED RETURN PLENUM FROM FAN COIL UNIT AS SHOWN. PROVIDE WIRE MESH AT RETURN AIR OPENING IN PLENUM. CONNECT OUTSIDE AIR DUCT WITH BALANCING DAMPER AS SHOWN ON DETAIL LOCATED ON SHEET M3.01.
5. EXTEND FULL SIZED RETURN PLENUM FROM FAN COIL UNIT AS SHOWN. PROVIDE RETURN AIR GRILLE AT OPENING. CONNECT OUTSIDE AIR DUCT WITH BALANCING DAMPER AS SHOWN ON DETAIL LOCATED ON SHEET M3.01.
6. UNDER ALTERNATE BID, PROVIDE VOLUME CONTROL DAMPERS AT MAIN BRANCH DUCT TO BALANCE SYSTEM.

OUTSIDE AIR TAPS:
PROVIDE SQUARE TO ROUND TRANSITIONS AT EXISTING OUTSIDE AIR SUPPLY DUCT AS FOLLOWS:
6"x24" SQUARE TO 12"φ.
6"x16" SQUARE TO 10"φ.
6"x10" SQUARE TO 8"φ.

ALTERNATE BID:
ENSURE ALL EXISTING EXPOSED RECTANGULAR DUCT INSULATION IS IN GOOD CONDITION. REPLACE ANY TORN INSULATION AND PROVIDE SHEET METAL AROUND ALL EXPOSED RECTANGULAR DUCT AND COAT WITH TWO COATS OF PRIMER.

REFER TO SHEET M0.01 FOR GENERAL NOTES, SCHEDULES AND SYMBOLS.



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R.S.F.: 5,757

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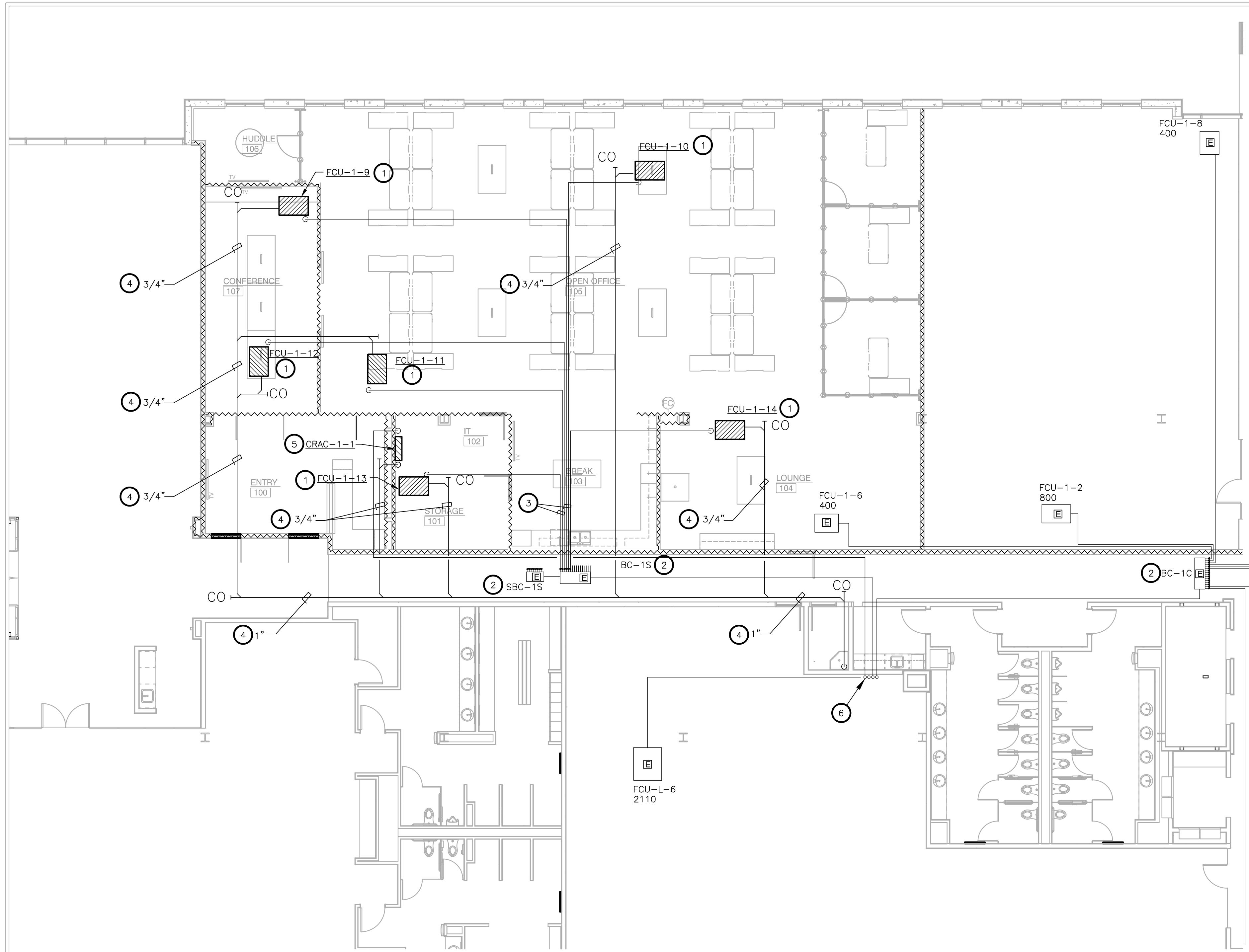
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DRAWING TITLE:
LEVEL 01 MECHANICAL PLAN

DRAWING NUMBER:
M2.01



1 LEVEL 01 REFRIGERANT PIPING PLAN
SCALE: 1/8"=1'-0"

NOTES BY SYMBOL (X):

1. FC UNIT TO BE SUSPENDED FROM STRUCTURE USING ALTHREAD HANGER RODS.
2. EXISTING BRANCH CONTROLLER SUSPENDED FROM STRUCTURE WITH ISOLATION SPRINGS.
3. COORDINATE WITH MANUFACTURER'S SPECIFICATIONS FOR REFRIGERANT REQUIREMENTS. COORDINATE ROUTING FROM FC UNIT TO BRANCH CONTROLLER. LOCATION OF FCU SHALL NOT EXCEED 150' OF PIPING BETWEEN UNITS.
4. PROVIDE AN INSULATED CONDENSATE DRAIN ABOVE CEILING. EXTEND AND DISCHARGE TO NEAREST JANITOR'S MOP SINK. ALL PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE, AND SLOPED AT 1/8" PER FOOT TOWARDS FLOOR DRAIN. PROVIDE CONDENSATE PUMP CAPABLE OF A MINIMUM OF 10' OF HEAD PRESSURE WITH UNIT IF REQUIRED SLOPE IS UNATTAINABLE.
5. SELF CONTAINED CRAC UNIT TO BE MOUNTED ON WALL AT HEIGHT TO BE DETERMINED BY TENANT. PROVIDE GALVANIZED DRAIN PAN UNDER UNIT AND EXTEND CONDENSATE AND OVERFLOW DRAIN LINES TO MOP SINK IN ADJACENT JANITOR'S CLOSET. EXTEND REFRIGERANT PIPING AND CONTROLS CONDUIT UP TO REMOTE CONDENSING UNIT LOCATED ON ROOF. COORDINATE ROUTING OF ALL PIPING AND LOCATION OF REMOTE CONDENSING UNIT ON ROOF WITH BUILDING MANAGEMENT.
6. INSTALL CONDENSING UNIT ON SUPPORTS EQUAL TO BIGFOOT SYSTEMS IN PITCH PAN ON 4TH FLOOR ROOF. VERIFY EXACT LOCATION WITH ARCHITECT AND BUILDING REPRESENTATIVE. SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH MANUFACTURER'S SPECIFICATIONS FOR REFRIGERANT REQUIREMENTS. COORDINATE ROUTING FROM AC UNIT TO ROOF WHERE CONDENSING UNIT IS LOCATED. LOCATION OF CU SHALL NOT EXCEED 150' OF PIPING BETWEEN UNITS.

REFER TO SHEET M0.01
FOR GENERAL NOTES,
SCHEDULES AND SYMBOLS.

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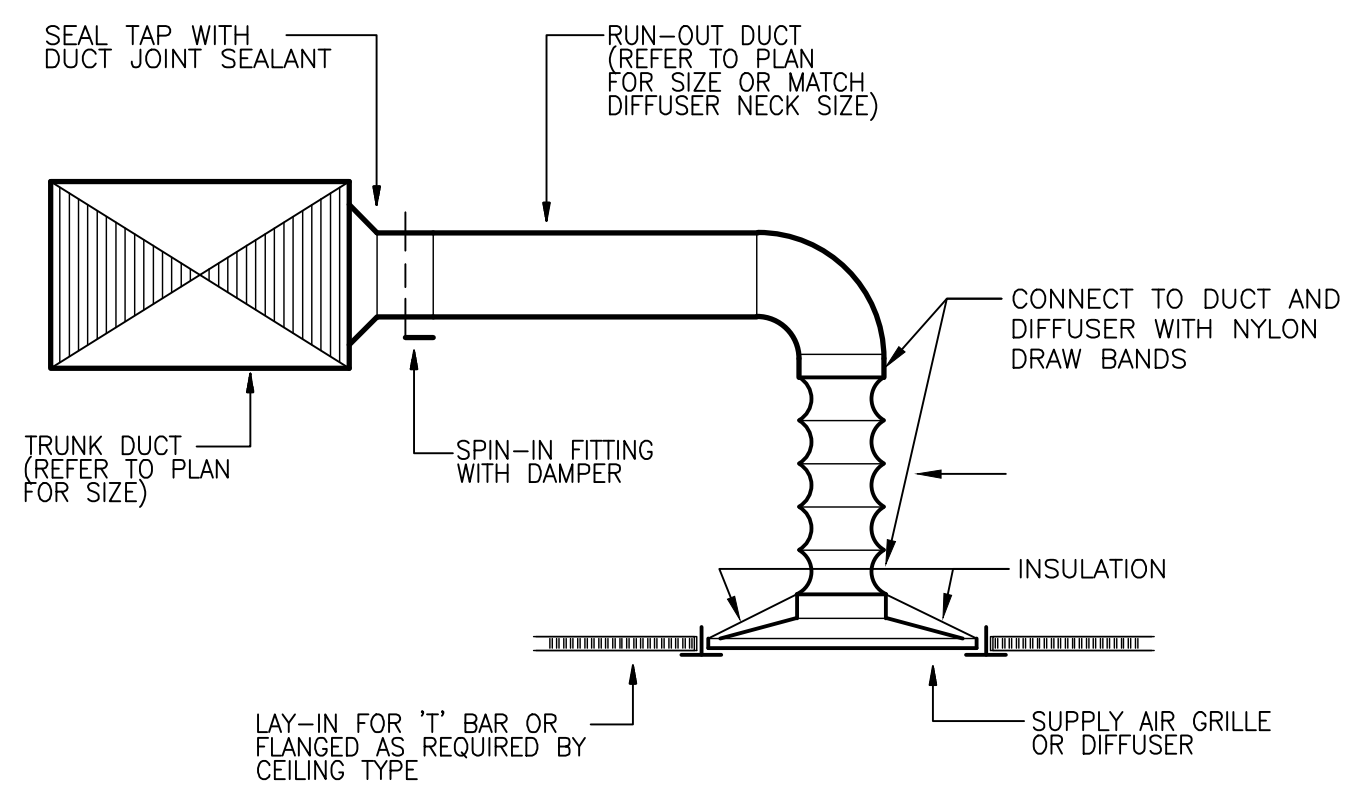
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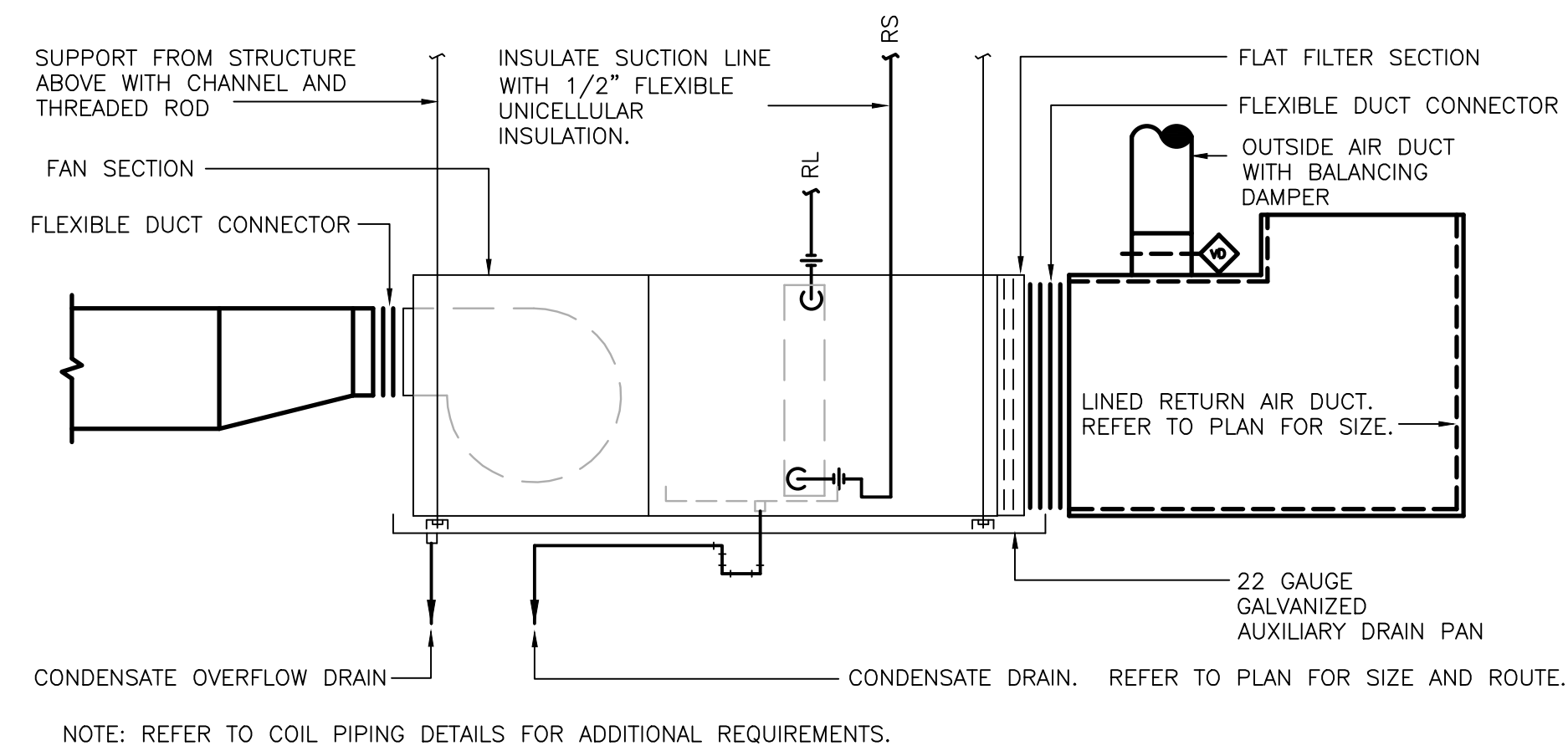
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LEVEL 01 REFRIGERANT PIPING PLAN

DRAWING NUMBER:

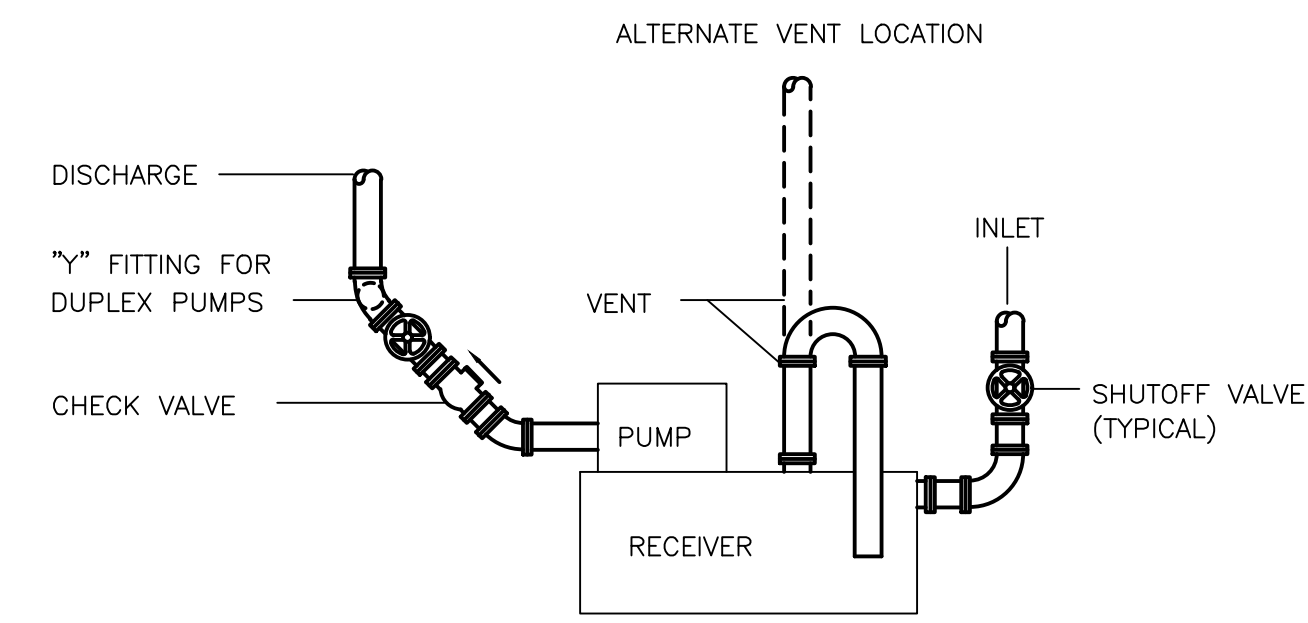
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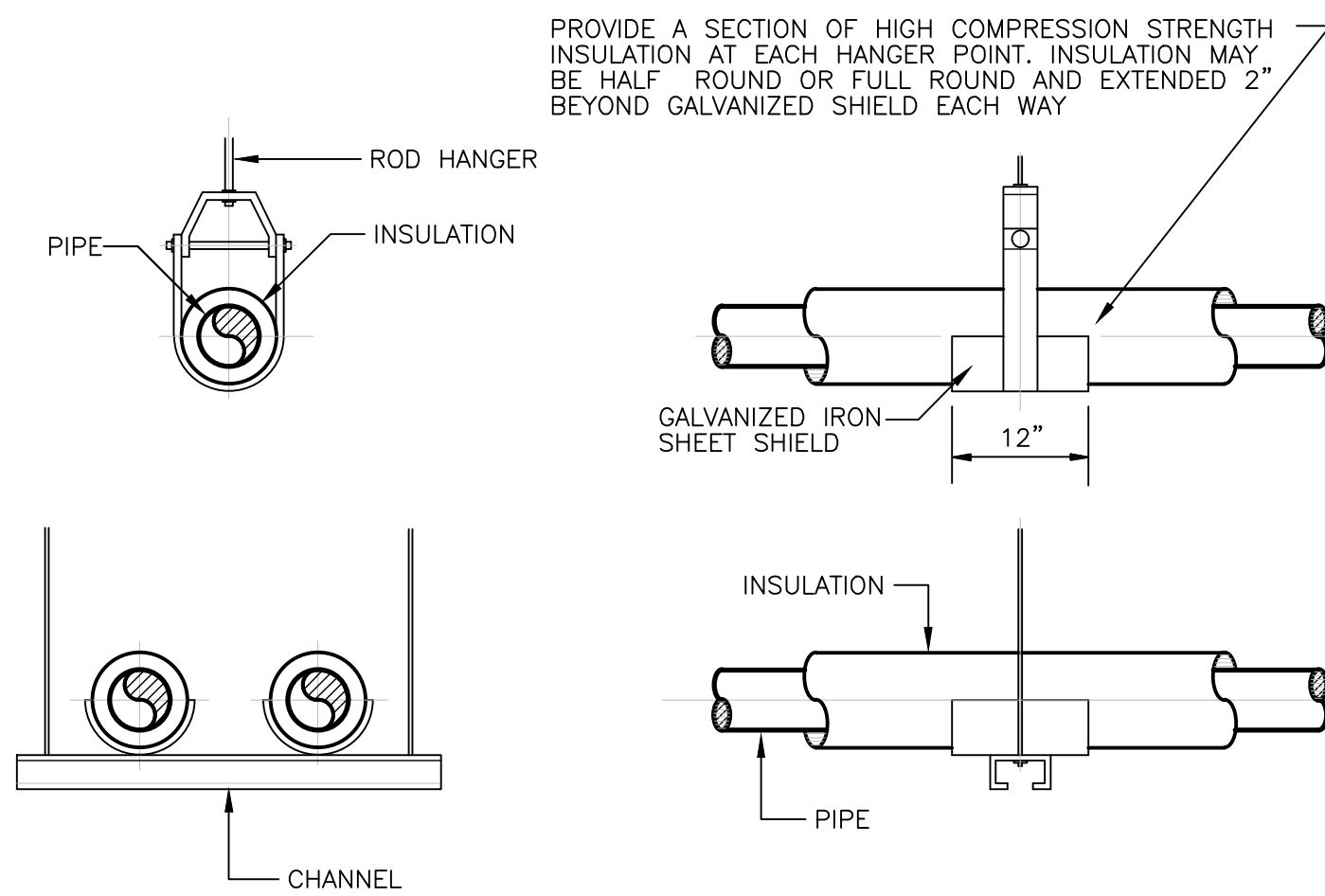
1 DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE



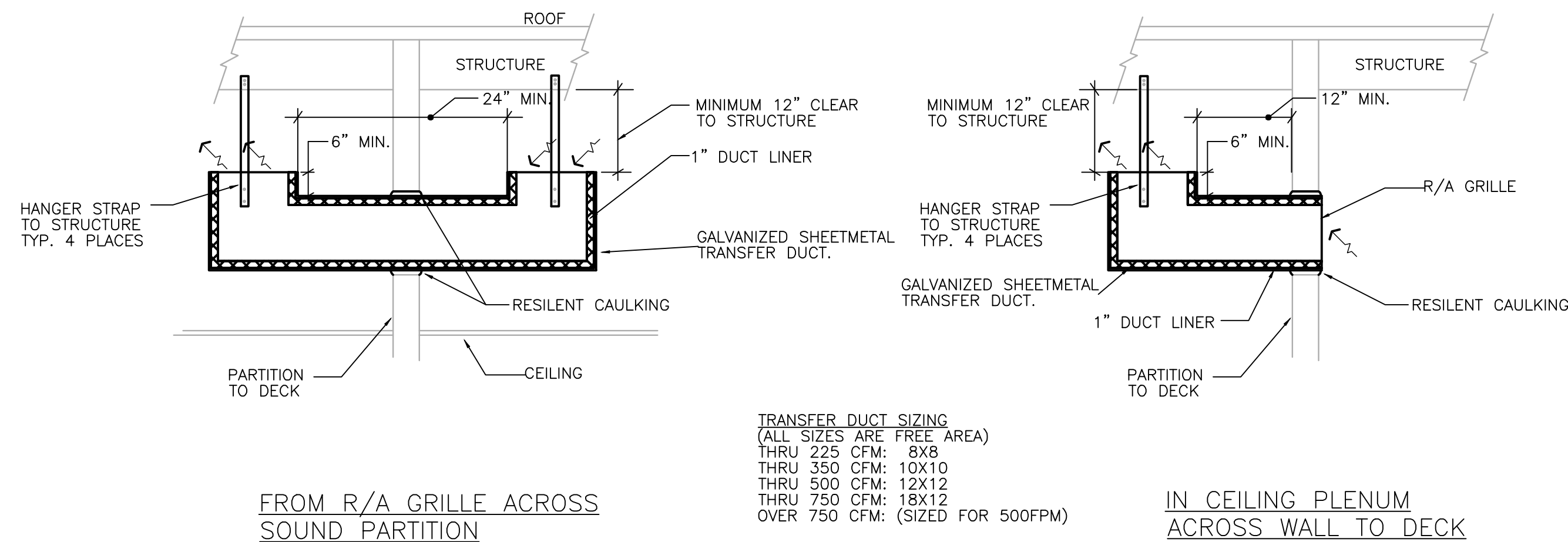
2 VFR UNIT INSTALLATION DETAILS
SCALE: NOT TO SCALE



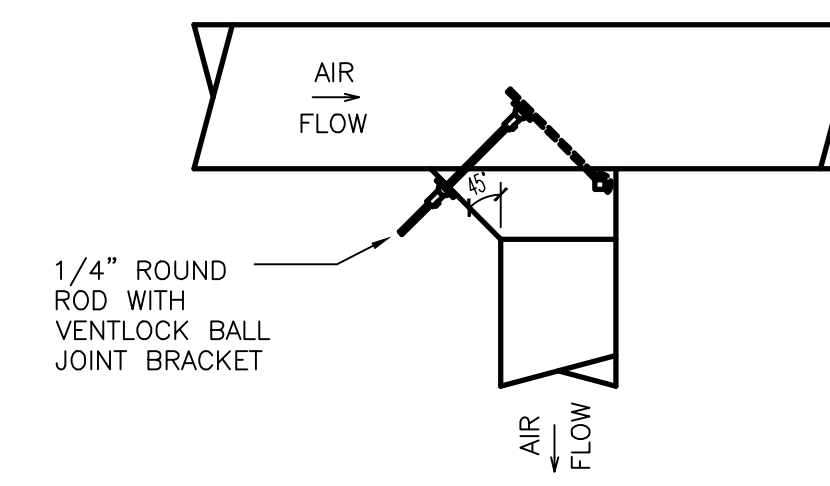
3 CONDENSATE PUMP DETAIL
SCALE: NOT TO SCALE



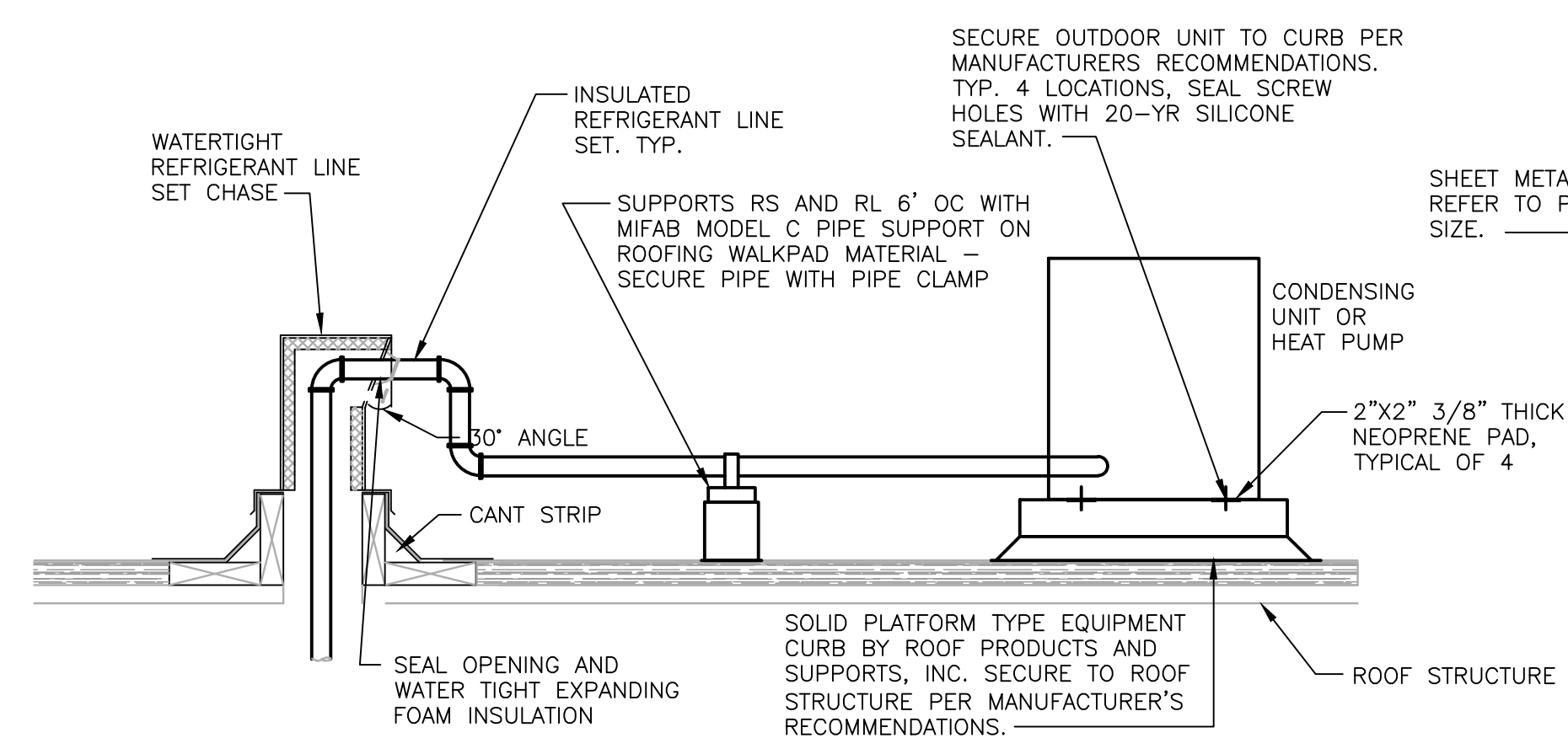
4 PIPE HANGING SUPPORT DETAILS
SCALE: NOT TO SCALE



5 RA TRANSFER BOOT DETAIL
SCALE: NOT TO SCALE

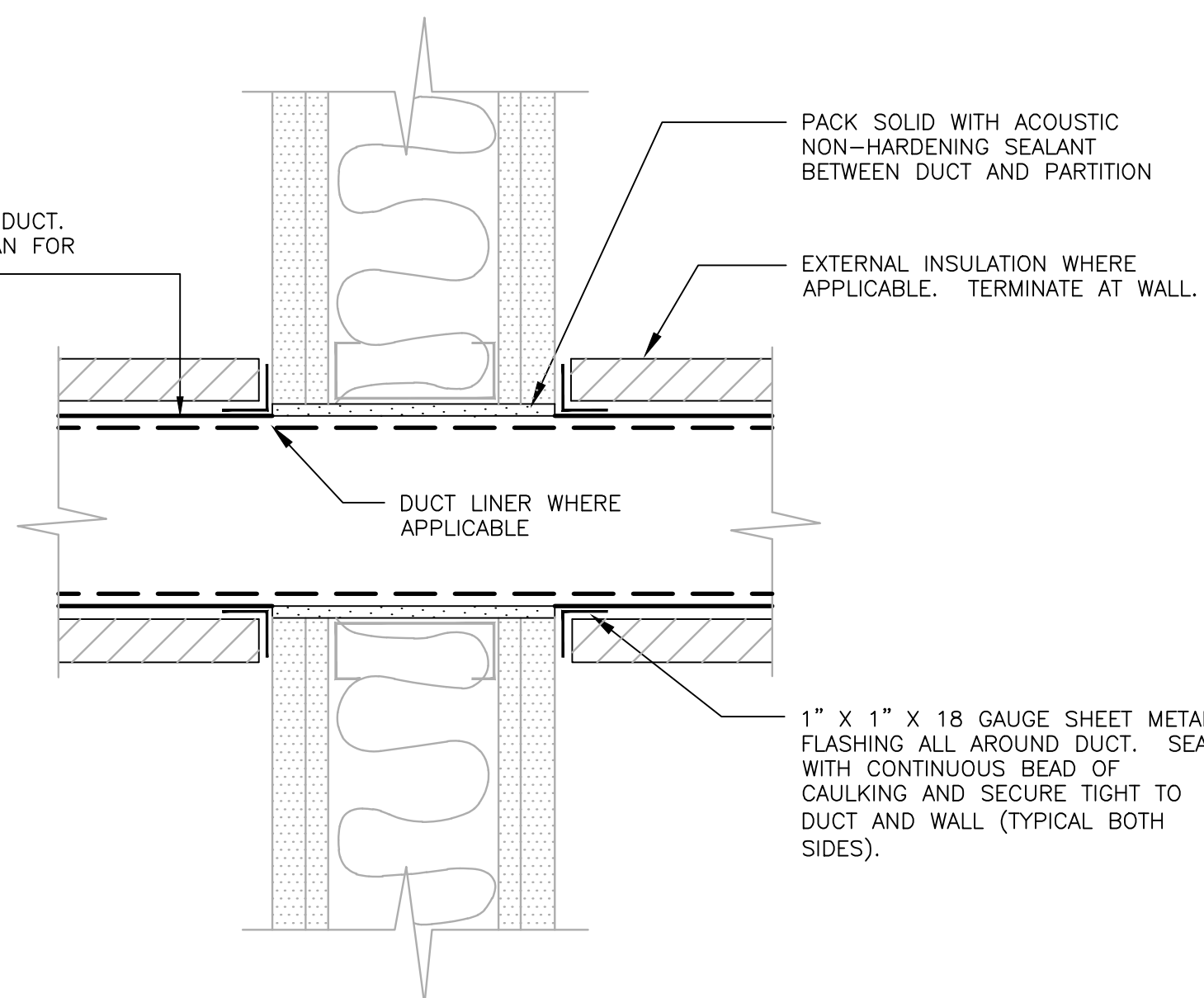


6 EXPANDED TAP DETAIL
SCALE: NOT TO SCALE

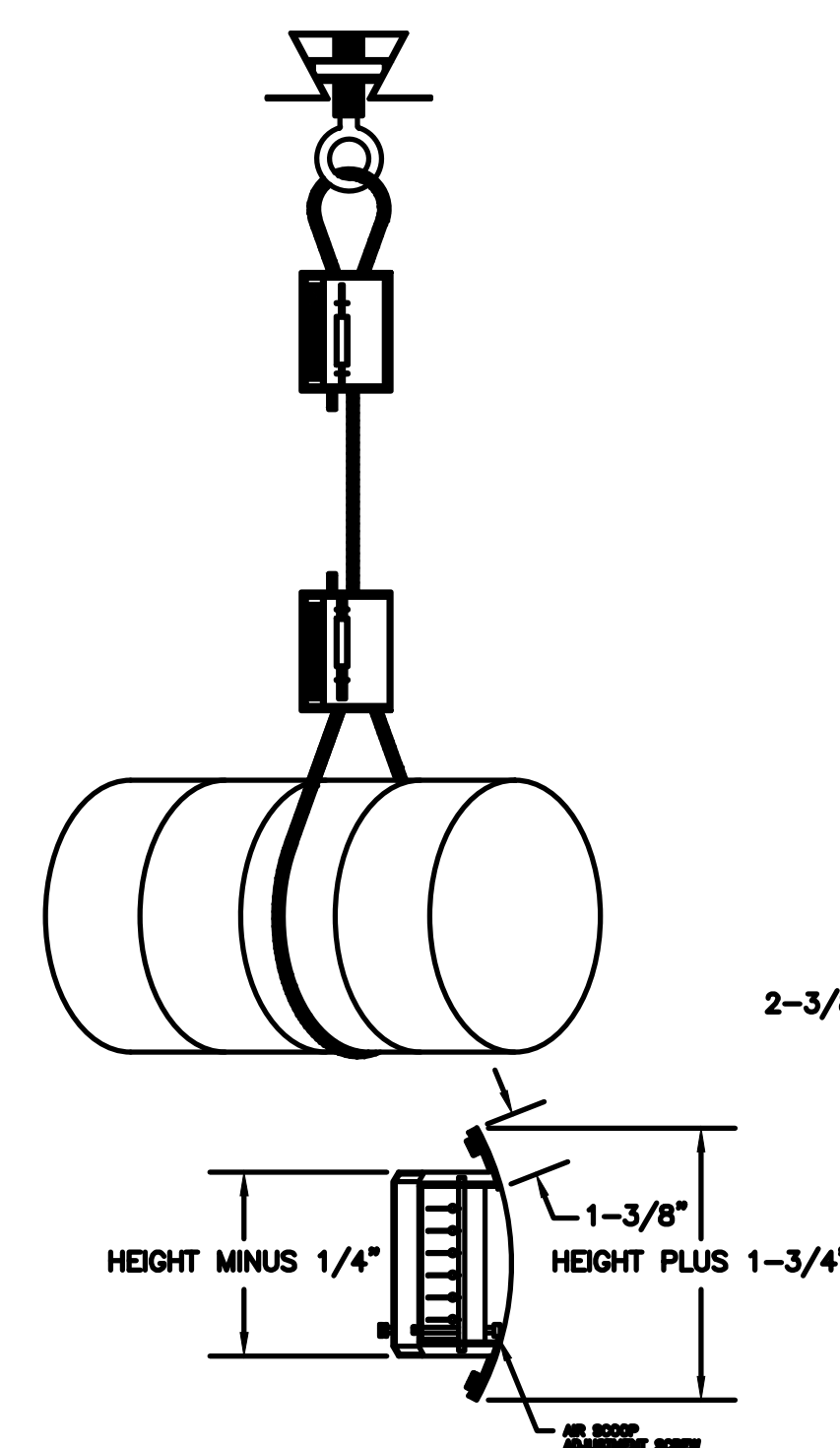


- NOTES:
- MIFAB PIPE SUPPORT TO HAVE 14 GA. X 3/16" WIDE GALVANIZED CHANNEL. LENGTH TO SUIT QUANTITY OF PIPING SUPPORTED. PROVIDE INSULATION SHIELD WHERE STRUT CLAMP COMES IN CONTACT WITH INSULATION.
 - EQUIPMENT SUPPORTS WITH THE FEWEST ROOF PENETRATIONS ARE PREFERRED HOWEVER, ALTERNATE SYSTEMS BY MIRO OR CADDY PYRAMID ARE ACCEPTABLE PROVIDED THEY ARE INSTALLED IN A PERMANENT MANNER AND SECURED TO THE ROOF STRUCTURE.

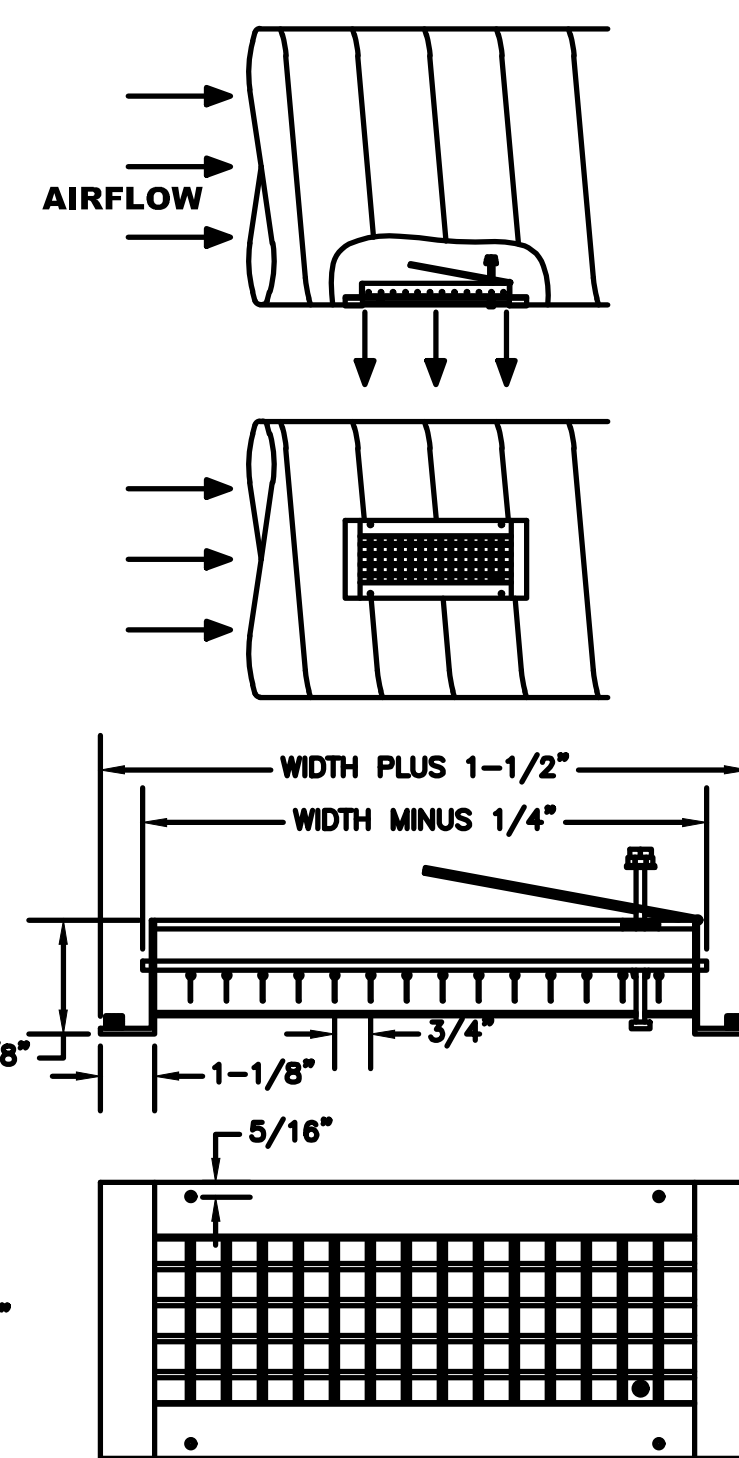
7 CONDENSING UNIT ON ROOF
SCALE: NOT TO SCALE



8 DUCT PENETRATION AT SOUND WALL
SCALE: NOT TO SCALE



9 SPIRAL GRILLE DETAIL
SCALE: NTS



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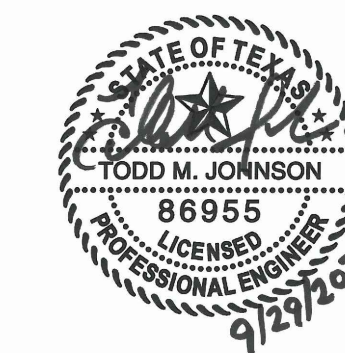
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DRAWING TITLE:
**MECHANICAL
DETAILS**

DRAWING NUMBER:

M3.01



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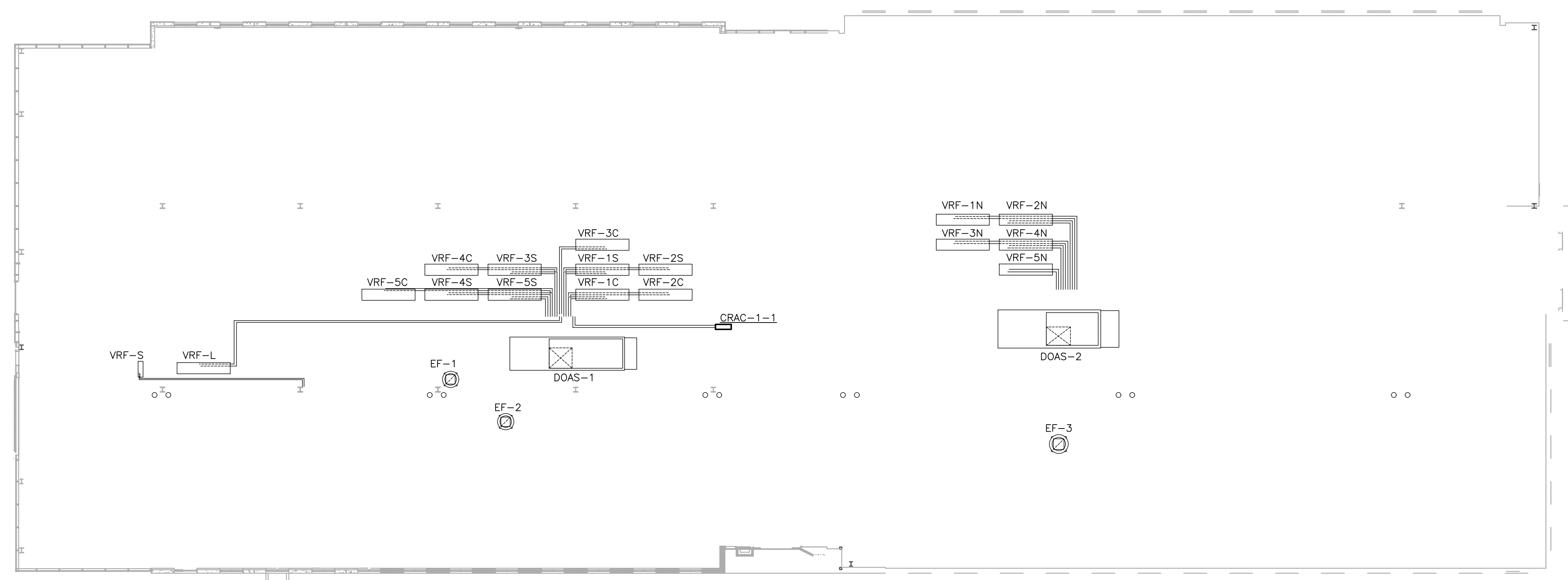
DRAWING TITLE:
ROOF LEVEL MEP PLAN

DRAWING NUMBER:

MEP2.01

NOTES BY SYMBOL (X) :

1. INSTALL CONDENSING UNIT ON SUPPORTS EQUAL TO BIGFOOT SYSTEMS IN PITCH PAN ON ROOF. VERIFY EXACT LOCATION WITH ARCHITECT AND BUILDING REPRESENTATIVE. SIZE AND INSTALL REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATION. COORDINATE WITH MANUFACTURER'S SPECIFICATIONS FOR REFRIGERANT REQUIREMENTS. COORDINATE ROUTING FROM ROOF TO CRAC UNIT LOCATED IN FIRST FLOOR IT ROOM. LOCATION OF CU SHALL NOT EXCEED 150' OF PIPING BETWEEN UNITS.



1 ROOF LEVEL MEP PLAN
SCALE: 1/16"=1'-0"

POWER GENERAL NOTES:

- A. ALL CIRCUITS SHALL BE 120V, 20A CIRCUITS WITH 2#12, #12G, IN 3/4" UNLESS NOTED OTHERWISE.
- B. ALL CONDUCTORS GREATER THAN 60' IN LENGTH SHALL BE SIZED FOR A MAXIMUM VOLTAGE DROP OF 3% OVER THE TOTAL LENGTH OF THE CIRCUIT CALCULATED AT 80% OF FULL LOAD OF THE OVERCURRENT DEVICE PROTECTING THE CONDUCTOR. CONTRACTOR SHALL PROVIDE PIG-TAIL OR ENCLOSED TERMINATION BLOCKS AS REQUIRED TO LAND CIRCUITS ON THE DEVICES OR EQUIPMENT.
- C. CONTRACTOR MAY COMBINE THREE (3) CIRCUITS PER NEUTRAL AND GROUND WIRE EXCEPT AS OTHERWISE NOTED. COMBINED NEUTRAL CIRCUITS SHALL MEET NEC REQUIREMENTS WITH TIE HANDLES AND COMPLIANCE LABELING.
- D. ALL EXISTING CIRCUITS WITHIN THE SCOPE OF WORK AREA THAT ARE NOT REUSED FOR THIS REMODEL SHALL BE REMOVED BACK TO THE PANELS AND THE PLACARDS SHALL INDICATE THE BREAKERS AS SPARES.
- E. PANELBOARD DIRECTORIES SHALL BE COMPLETELY FILLED OUT TO ACCURATELY IDENTIFY EACH CIRCUIT (EXISTING AND NEW CIRCUITS) IN ALL PANELS WITHIN SCOPE OF WORK. OBTAIN BUILDING MANAGEMENT/OWNER'S APPROVAL OF IDENTIFICATION. DIRECTORIES SHALL BE TYPEWRITTEN.
- F. JUNCTION BOXES AND/OR DEVICE BOXES SHALL NOT BE MOUNTED BACK TO BACK WHEN FLUSH MOUNTED IN A WALL. JUNCTION BOXES AND/OR DEVICE BOXES FLUSH MOUNTED ON OPPOSITE SIDES OF A WALL SHALL NOT BE INSTALLED IN THE SAME STUD SPACE.
- G. ALL RECEPTACLES MOUNTED ABOVE OR BELOW KITCHEN/BREAK ROOM COUNTERS OR COUNTERS WITH A SINK OR ANY OTHER WATER DISPENSING MECHANISM SHALL BE GFCI PROTECTED. ALL RECEPTACLES INSTALLED IN AN OUTDOOR LOCATION OR INTENDED TO PROVIDE POWER FOR VENDING MACHINES SHALL BE GFCI TYPE DEVICES. IN LOCATIONS WHERE THE RECEPTACLES ARE BEHIND APPLIANCES, IF THE AUTHORITY HAVING JURISDICTION REQUIRES REMOTE RESET BUTTONS, CONTRACTOR SHALL COORDINATE THE BUTTON LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN, OR PROVIDE GFCI CIRCUIT BREAKERS WHEN POSSIBLE.
- H. ALL DEDICATED CIRCUITS (CIRCUITS SERVING A SINGLE DEVICE) SHALL HAVE SEPARATE NEUTRAL AND GROUND WIRES. THIS REQUIREMENT DOES NOT APPLY TO APPLIANCE CIRCUITS.
- I. PROVIDE 3/4" CONDUIT AND PULLSTRING, FROM EACH WALL MOUNTED TELEPHONE/DATA OUTLET, ROUTE TO +4" ABOVE SUSPENDED CEILING. AT SYSTEMS FURNITURE FEEDS, CONDUIT SHALL BE 1-1/4".
- J. ELECTRICAL CONTRACTOR SHALL PROVIDE A 4"x4"x2-5/8" STEEL JUNCTION BOX IN WALL WITH A SINGLE GANG MUD RING AND 3/4" METAL CONDUIT TO A MINIMUM OF 4" ABOVE FINISHED ACCESSIBLE CEILING FOR ALL THERMOSTATS AND HVAC SENSORS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR AND ARCHITECT. PROVIDE A PULL STRING INSTALLED FOR FUTURE USE. PULL STRING SHALL BE SECURED AT EACH END TO PREVENT ACCIDENTAL REMOVAL.
- K. PROVIDE 3/4" CONDUIT AND PULLSTRING, FROM EACH FLOOR MOUNTED TELEPHONE/DATA OUTLET TO THE NEAREST WALL THEN ROUTE TO +4" ABOVE SUSPENDED CEILING. AT SYSTEMS FURNITURE FEEDS, CONDUIT SHALL BE 1-1/4".
- L. LOW VOLTAGE CABLES (TELEPHONE, DATA, ETC.) INSTALLED IN CEILING SPACE USED FOR RETURN AIR PURPOSES SHALL BE PLENUM RATED CABLES OR INSTALLED IN CONDUIT.
- M. ELECTRIC CONNECTIONS TO PANELBOARDS AND BUS DUCTS SHALL BE MADE ONLY WHEN PANELBOARD OR BUS DUCT HAS BEEN DE-ENERGIZED. SCHEDULE DOWN TIME WITH BUILDING MANAGEMENT/OWNER.
- N. ELECTRICAL WIRING TO SYSTEMS FURNITURE SHALL BE 8-WIRE/4-CIRCUIT "2+2" CONSISTING OF 2-HOT, 1-NEUTRAL, 1-COMMON GROUND FOR CONVENIENCE PLUS 2-HOT, 1-NEUTRAL, 1-ISOLATED GROUND FOR COMPUTERS.
- O. UNDERLINED CIRCUIT NUMBERS ARE FOR COMPUTER USE AND SHALL EACH HAVE AN INDEPENDENT NEUTRAL AND SHARED ISOLATED GROUND WIRES (MAXIMUM 3 CIRCUITS PER GROUND WIRE, PHASES A/B/C). THE ISOLATED GROUND WIRE SHALL TERMINATE IN AN ISOLATED GROUND BUS IN THE ELECTRIC PANEL. IF THE IG BUS DOES NOT EXIST, CONTRACTOR SHALL PROVIDE NEW BUS WITH ONE (1) #1/0 WIRE IN 3/4" CONDUIT TO GROUNDING SOURCE OF ELECTRIC PANEL.
- P. ALL NEW ELECTRICAL PANELS AND TRANSFORMERS SHALL HAVE PERMANENT ENGRAVED LABELS ON COVER INDICATING PANEL OR TRANSFORMER DESIGNATION.
- Q. CONTRACTOR SHALL RELOCATE ELECTRICAL CONNECTIONS ASSOCIATED WITH ALL RELOCATED MECHANICAL EQUIPMENT. REFER TO HVAC AND PLUMBING PLANS AND COORDINATE FINAL LOCATIONS WITH MECHANICAL CONTRACTOR IN THE FIELD.
- R. ELECTRICAL CONTRACTOR SHALL X-RAY SLAB PRIOR TO ANY CORE-DRILLING. COORDINATE WITH BUILDING MANAGEMENT FOR AFTER-HOURS ACCESS TO SPACE.
- S. WHERE A CIRCUIT IS SHOWN TO ORIGINATE FROM AN EXISTING PANELBOARD, CONTRACTOR SHALL FIELD VERIFY WHETHER THE CIRCUIT BREAKER EXISTS AND, IF NOT, SHALL PROVIDE A NEW BREAKER AS PART OF THE BASE BID.

POWER SYMBOLS

SYMBOL	DESCRIPTION
	WALL MOUNTED DUPLEX RECEPTACLE (NEMA 5-20R)
	WALL MOUNTED DEDICATED DUPLEX RECEPTACLE (NEMA 5-20R)
	WALL MOUNTED QUADRAPLEX RECEPTACLE (NEMA 5-20R)
	WALL MOUNTED DEDICATED QUADRAPLEX RECEPTACLE (NEMA 5-20R)
	WALL MOUNTED ISOLATED GROUND DUPLEX RECEPTACLE (NEMA 5-20RIG)
	WALL MOUNTED QUADRAPLEX RECEPTACLE WITH HALF ISOLATED GROUND (NEMA 5-20RIG) AND HALF NORMAL (NEMA 5-20R)
	WALL MOUNTED SIMPLEX RECEPTACLE (NEMA 5-20R)
	WALL MOUNTED COMMUNICATIONS OUTLET
	JUNCTION BOX - WALL MOUNTED
	FLUSH FLOOR POKE-THRU WITH QUADRAPLEX POWER PLUS COMMUNICATIONS, AND AV. WIREMOLD EVOLUTION #6ATC
	FLOOR MOUNTED POKE-THRU FOR POWER AND COMMUNICATIONS FEEDS TO SYSTEMS FURNITURE, WIREMOLD #4FFATC
	WALL MOUNTED POWER FEED TO SYSTEMS FURNITURE
	WALL MOUNTED COMMUNICATIONS FEED TO SYSTEMS FURNITURE
	CARD READER
D	INDICATES EXISTING TO BE REMOVED OR RELOCATED
E	INDICATES EXISTING TO REMAIN
	WALL MOUNTED GROUND BUS - SEE PLAN FOR NOTES

LIGHTING GENERAL NOTES:

- A. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
- B. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
- C. WHEN SPECIFIC LIGHT FIXTURE TYPE HAS BEEN SPECIFIED IN THE FIXTURE INFORMATION, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE OF ALL PARTS AND HARDWARE.
- D. ALL CIRCUITS SHOWN SHALL BE 277V, 20A CIRCUITS UNLESS NOTED OTHERWISE.
- E. ALL 120V RUNS LONGER THAN 60' SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150' SHALL BE #10 AWG UNLESS NOTED OTHERWISE ON PLANS.
- F. MOUNT LIGHT SWITCHES AS INDICATED ON ARCHITECTURAL DRAWINGS (48" AFF UNLESS NOTED OTHERWISE).
- G. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANG BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANG BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
- H. EACH DIMMER SWITCH SHALL BE COMPATIBLE WITH THE FIXTURES BEING DIMMED (INCANDESCENT, FLUORESCENT, LED, LOW VOLTAGE, ETC). DIMMERS SHALL BE OF THE APPROPRIATE RATING PER THE MANUFACTURER BASED ON TOTAL FIXTURE LOAD AND ANY NECESSARY DERATING WHERE DIMMERS ARE GANGED TOGETHER. WHERE SWITCHES AND DIMMERS ARE SIDE-BY-SIDE, THEY SHALL BE GANGED TOGETHER.
- I. WHERE NEW FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, THE FIXTURES SHALL HAVE DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS. WHERE EXISTING FLUORESCENT FIXTURES ARE SHOWN TO BE DIMMED, CONTRACTOR SHALL PROVIDE NEW DIMMING TYPE BALLASTS WHICH ARE COMPATIBLE WITH THE SPECIFIED DIMMERS.
- J. ALL EMERGENCY LIGHT FIXTURES SHALL HAVE 90-MINUTE BATTERY BACK-UP UNLESS NOTED OTHERWISE.
- K. ALL EXIT SIGNS SHALL HAVE 90-MINUTE BATTERY BACK-UP UNLESS NOTED OTHERWISE.
- L. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH 2011 NEC 410.130(G).
- M. LIGHTING CONTROL SENSORS AND SWITCHES SHALL BE WIRED DEVICES. NO WIRELESS DEVICES SHALL BE SUBMITTED WITHOUT PRIOR WRITTEN APPROVAL BY OWNER/BUILDING MANAGEMENT.

LIGHTING SYMBOLS

SYMBOL	DESCRIPTION
	INDICATES FIXTURE SHALL BE AN EMERGENCY/NIGHT LIGHT
	INDICATES FIXTURE SHALL BE AN EMERGENCY/NIGHT LIGHT
	SINGLE FACE EXIT SIGNS - REFER TO PLAN FOR DIRECTIONAL ARROWS AND WALL OR CEILING MOUNTING
	DOUBLE FACE EXIT SIGNS - REFER TO PLAN FOR DIRECTIONAL ARROWS AND WALL OR CEILING MOUNTING
\$	SINGLE POLE SWITCH
	LOW VOLTAGE SWITCH ASSOCIATED WITH CEILING MOUNTED SENSORS. LETTER/NUMBER INDICATES LIGHTING ZONE.
	DIMMER SWITCH. LETTER/NUMBER INDICATES LIGHTING ZONE.
	CEILING MOUNTED 360-DEGREE DUAL TECHNOLOGY OCCUPANCY SENSOR (AUTOMATIC ON AND OFF). PROVIDE ALL POWER PACKS AND ACCESSORIES AS REQUIRED TO CONTROL ALL LIGHTS IN ROOM. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDED SENSOR SPACING.
	CEILING MOUNTED 360-DEGREE DUAL TECHNOLOGY VACANCY SENSOR (MANUAL ON AND AUTOMATIC OFF). PROVIDE ALL POWER PACKS AND ACCESSORIES AS REQUIRED TO CONTROL ALL LIGHTS IN ROOM. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDED SENSOR SPACING.
	DUAL TECHNOLOGY VACANCY SENSOR SWITCH (MANUAL ON AND AUTOMATIC OFF)

LEGEND NOTES:

- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ACCESSORIES FOR PROPER MOUNTING OF FIXTURES IN SPECIFIC CEILING PER LOCATION OF FIXTURES.
- CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER OF ALL LIGHTING FIXTURES, (NEW OR SUBSTITUTES).

FIRE ALARM DEVICES

A FIRE ALARM CONTRACTOR LICENSED BY THE TEXAS DEPARTMENT OF INSURANCE SHALL MODIFY THE EXISTING FIRE ALARM DEVICE LAYOUT AS REQUIRED FOR THE NEW TENANT LAYOUT. SCOPE OF WORK SHALL BE FOR A COMPLETE TURN-KEY INSTALLATION INCLUDING, BUT NOT LIMITED TO, RELOCATION OF EXISTING DEVICES, REMOVAL OF EXISTING DEVICES, ADDITION OF NEW DEVICES, UTILIZATION OF EXISTING DEVICES IN PLACE AND UPGRADES/ADDITIONS TO PANELS/POWER SUPPLIES TO SUPPORT THE DEVICES. THE FIRE ALARM DESIGN SHALL BE APPROVED BY THE CITY AND STATE FIRE MARSHALS ON SHOP DRAWING CONSTRUCTION SET AND SHALL MEET ALL A.D.A., N.F.P.A., STATE AND LOCAL REQUIREMENTS. SYSTEMS SHALL INCLUDE DETECTION AND NOTIFICATION DEVICE COVERAGE IN ALL SPACES BY UTILIZING BUILDING STANDARD, WHITE CEILING MOUNTED AUDIBLE DEVICES, STROBES, AND COMBINATION AUDIBLE/STROBE DEVICES. PLANS MUST BE SUBMITTED TO THE FIRE DEPARTMENT FOR REVIEW, FINAL APPROVAL AND PERMIT PRIOR TO INSTALLATION, UNDER SEPARATE INSTRUMENT AND COVER. DEVICES SHALL BE WHITE UNLESS REQUIRED TO MATCH EXISTING TO REMAIN.

AVAILABLE CIRCUITS

CIRCUITS SHOWN ARE BASED ON BEST KNOWLEDGE OF EXISTING PANEL PLACARDS AND PREVIOUS CONTRACT DOCUMENTS AND DO NOT NECESSARILY INDICATE THE ACTUAL PANEL CIRCUIT NUMBERS FOR USE. IT IS INTENDED TO FIRST REUSE EXISTING LIGHTING CIRCUITS THAT ARE AVAILABLE IN THE SAME PANEL(S) AFTER DEMOLITION OF WALLS AND EQUIPMENT AND THEN USE AVAILABLE SPARES/SPACES FROM THE SAME PANEL(S) AS NEEDED. MAXIMUM OF 16 AMP LOAD PER 20A CIRCUIT. CONTRACTOR SHALL VERIFY ACTUAL CIRCUIT AVAILABILITY AFTER DEMOLITION AND NOTIFY ARCHITECT IMMEDIATELY IF THE QUANTITY OF AVAILABLE CIRCUITS IS INADEQUATE OR OBTAIN APPROVAL FOR ADD ALTERNATE SOLUTION. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM PURDY-MCGUIRE PRIOR TO USING CIRCUITS FROM A DIFFERENT PANEL.

DALLAS GREEN BUILDING REQUIREMENTS:

506.1 MERCURY CONTENT IN FLUORESCENT LAMPS. THE MERCURY CONTENT IN STRAIGHT FLUORESCENT LAMPS SHALL COMPLY WITH SECTION 506.1.1 AND THE MERCURY CONTENT IN COMPACT FLUORESCENT LAMPS SHALL COMPLY WITH SECTION 506.1.2 AS APPLICABLE. EXCEPTION: MERCURY CONTENT IS NOT LIMITED FOR LIGHTING INTEGRAL TO EQUIPMENT OR INSTRUMENTATION AND INSTALLED BY THE MANUFACTURER, OR FOR LAMPS WITH A HIGH COLOR RENDERING INDEX THAT IS GREATER THAN OR EQUAL TO 87.

506.1.1 STRAIGHT FLUORESCENT LAMPS. NON-PREHEAT STRAIGHT, DOUBLE-ENDED FLUORESCENT LAMPS LESS THAN 70 INCHES (1800 MM) AND GREATER THAN 21 INCHES (550 MM) IN LENGTH AND CONTAINING A MEDIUM BI-PIN BASE OR MINIATURE BI-PIN BASE SHALL COMPLY WITH THE FOLLOWING:

- 7-5 LAMPS WITH A RATED LIFETIME OF LESS THAN 25,000 HOURS AT 3 HOURS PER START SHALL CONTAIN NOT MORE THAN AN AVERAGE OF 3 MILLIGRAMS OF MERCURY PER LAMP.
- 7-8 LAMPS WITH A RATED LIFETIME LESS THAN 25,000 HOURS AT AN INSTANT START BALLAST SHALL CONTAIN NOT MORE THAN AN AVERAGE OF 4 MILLIGRAMS OF MERCURY PER LAMP.
- ALL OTHER T5 OR T8 LAMPS SHALL CONTAIN NOT MORE THAN AN AVERAGE OF 5 MILLIGRAMS OF MERCURY PER LAMP.

506.1.2 COMPACT FLUORESCENT LAMPS. SINGLE-ENDED PIN-BASE AND SCREW-BASE COMPACT FLUORESCENT LAMPS SHALL CONTAIN NOT MORE THAN 5 MILLIGRAMS OF MERCURY PER LAMP, AND SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 1993.

EQUIPMENT DESIGNATION	LOAD			VOLTAGE/PHASE	CIRCUIT NUMBER	CIRCUIT BREAKER AMPS/POLES	DISCONNECT AMPS/POLES/FUSE	WIRE SIZING	REMARKS
	KW	HP	FLA						
WH1-1	11.08	-	-	277/1	1HA-8	40T	TP40A/ENCL CB	2#8, 1#10G, 3/4" C.	SEE NOTE 1.5
CU-1-1	-	-	13	208/1	1LA1-51#3	16Z	BY MECHANICAL	2#8, 1#10G, 3/4" C.	SEE NOTE 1.2, 5.8
CRAC-1-1	-	-	1	208/1	SEE NOTE 8	SEE NOTE 8	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.2, 3.8
FCU-1-9	-	-	1.05	208/1	1LA1-55/57	20Z	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.6, 9
FCU-1-10	-	-	3.51	208/1	-	-	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.6, 9
FCU-1-11	-	-	2.73	208/1	-	-	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.6, 9
FCU-1-12	-	-	1.20	208/1	1LA1-59#1	20Z	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.7, 9
FCU-1-13	-	-	1.45	208/1	-	-	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.7, 9
FCU-1-14	-	-	1.20	208/1	-	-	BY MECHANICAL	2#12, 1#12G, 3/4" C.	SEE NOTE 1.4, 5.7, 9

- NOTES:**
- REFER TO HVAC AND PLUMBING PLANS FOR LOCATIONS OF EQUIPMENT. COORDINATE FINAL LOCATIONS IN FIELD.
 - PROVIDE BUILDING STANDARD KW/H METER. COORDINATE LOCATIONS WITH BUILDING ENGINEER.
 - PROVIDE 120V CIRCUIT TO SECONDARY CONDENSATE PUMP AND LEAK DETECTION UNIT FROM CIRCUIT 1LA1-63.
 - PROVIDE CONTROLS CIRCUIT TO EACH 120V/24V CONTROLS TRANSFORMER (TRANSFORMER BY MECHANICAL). EACH TRANSFORMER SHALL FEED UP TO FIVE (5) CONTROL MODULES. DO NOT EXCEED 1500VA PER 120V CONTROLS CIRCUIT. CABLE BETWEEN THE TRANSFORMERS AND THE CONTROLS SHALL BE BY MECHANICAL.
 - PROVIDE NEW CIRCUIT BREAKER.
 - PROVIDE 120V, 20A CIRCUIT 1LA1-85 TO SECONDARY CONDENSATE PUMP AND LEAK DETECTION SYSTEM.
 - PROVIDE 120V, 20A CIRCUIT 1LA1-67 TO SECONDARY CONDENSATE PUMP AND LEAK DETECTION SYSTEM.
 - AC USER SHALL BE RESPONSIBLE FOR COORDINATING INTERCONNECTION REQUIREMENTS (BY ELECTRICAL) WITH MECHANICAL.
 - PROVIDE ADD ALTERNATE: (1) 208/1, 20A CIRCUIT 1LA1-69/71, FOR BI-POLAR IONIZATION AT EACH UNIT.

LIGHTING FIXTURES						
TYPE	DESCRIPTION	MFR. & CAT. NO.	LAMPS	VOLT	INPUT WATTS	REMARKS
	2x4 LED TROFFER	LITHONIA: 2BLT4-40L-ADP-LP835	LED	MVOLT	32	
	LED ROUND DOWNLIGHT	LIGHTOLIER: C6L-15-35-WZ10U	LED	UNV	15	
	UNDER CABINET LED TAPE LIGHT	LEDI INSPIRE V4 NANOSKN: 4V-NSKN-35B-BLK-100 WITH ZUES CON. AND EXTENTS. 3500K	LED	120	2.2W/FT	
	6' DIRECT LED LINEAR PENDANT	FINELITE: HP-2-P-ID-6-S-S-835-F-96L-G-277-DC-FC-10%-FA50-C1-FE-SW	LED	277	7.2W/FT	
	8' DIRECT LED LINEAR PENDANT	FINELITE: HP-2-P-D-8-H-835-F-96-277-SC-FC-10%-FA50-C4-FE-SW	LED	277	7.0W/FT	WHERE SHOWN AS EMERGENCY FIXTURE PROVIDE WITH INTEGRAL BATTERY BACKUP
	8' DIRECT LED LINEAR PENDANT	FINELITE: HP-2-P-D-8-V-835-F-96-277-SC-FC-10%-FA50-C4-FE-SW	LED	277	9.2W/FT	
	DIRECT/INDIRECT ACOUSTIC PENDANT	LIGHT ART: ACOUSTIC EMPIRE SHADE, L 34"D, SHADE COLOR: (3) NICKEL, (2) ARMOR, CANOPY FINISH: WHITE	LED	120	12	
	RECESSED LED WALL WASHER	AXIS LIGHTING: GPRLED-EX-OPRO-1200-80-35-RG2-LV-16-W/UNV-DP-1-DF	LED	UNV	9.4W/FT	
	LED CYLINDER PENDANT	GOTHAM EVO4CC-35/10-AR-WD-LSS-MVOLT-GZ10-JBXC120-DWHG	LED	MVOLT	8.8	PROVIDE WITH IOTA MICRO INVERTER IIS 50 I WHERE SHOWN AS EMERGENCY LIGHT FIXTURE.
	EXIT SIGN	MATCH BUILDING STANDARD	LED	120/277	5	REFER TO DRAWINGS FOR EXIT SIGN DIRECTIONAL ARROWS AND FOR SINGLE OR DOUBLE FACE QUANTITIES.

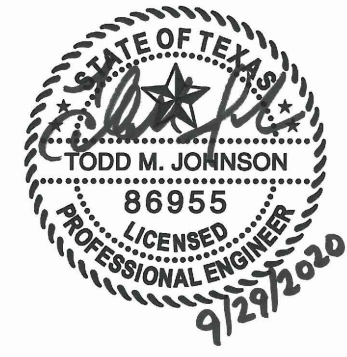
NOTES:

- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL ACCESSORIES FOR PROPER MOUNTING OF FIXTURES IN SPECIFIC CEILING PER LOCATION OF FIXTURES.
- CONTRACTOR SHALL PROVIDE SUBMITTALS TO THE ENGINEER OF ALL LIGHTING FIXTURES (NEW OR SUBSTITUTES).

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 R.S.F.: 5/757



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NO.	ISSUED FOR:	DATE:

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SECTION 260533 - RACEWAYS AND BOXES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.
B. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUITS SERVING ALL EQUIPMENT, INCLUDING BUT NOT LIMITED TO LIGHTING, RECEPTACLES, HEATING, AIR CONDITIONING, PLUMBING EQUIPMENT, TELEPHONE, DATA, AUDIO/VISUAL, SECURITY, AND ELECTRICAL EQUIPMENT.

PART 2 - PRODUCTS

2.1 RACEWAYS

- A. ALL CONDUITS SHALL BE GALVANIZED IMC, EMT OR MC TYPE UNLESS OTHERWISE SPECIFIED IN SPECIFICATIONS OR ON DRAWINGS. ALL CONDUIT IS TO BE UL LABELED.
a. EMT CONNECTORS SHALL BE STEEL COMPRESSION TYPE.
b. CONDUIT UNDER SLAB ON GRADE SHALL BE RIGID STEEL OR SCHEDULE 40 PVC WITH RIGID STEEL ELLS WHERE PERMITTED BY OWNER OR CODE.
B. MINIMUM SIZE OF CONDUIT SHALL BE:
a. 3/4 INCH FOR INDIVIDUAL LIGHTING FIXTURE CONNECTIONS OR TO INDIVIDUAL LIGHT SWITCHES AND 3/4 INCH FOR ALL OTHER LIGHTING AND POWER CIRCUITING.
b. IF HVAC CONTROL WIRING IS REQUIRED TO BE RUN IN CONDUIT, IT SHALL BE A MINIMUM OF 3/4 INCH, UNLESS NOTED OTHERWISE ON DRAWINGS.
C. ALL UNDER FLOOR CONDUIT SHALL BE OF MINIMUM 1 INCH SIZE.
2.2 OUTLET BOXES
A. ALL OUTLET BOXES SHALL BE GALVANIZED PRESSED STEEL OF THE STANDARD KNOCKOUT TYPE. NO ROUND OUTLET BOXES SHALL BE PERMITTED UNLESS INDICATED AND FOR LIGHTING THAT REQUIRE SUCH CONFIGURATION. CONCEALED BOXES SHALL NOT BE LESS THAN 4 INCH SQUARE AND 1-1/2 INCH DEEP, WITH PLASTER RINGS.
B. ALL KNOCKOUT BOXES, UPON WHICH LIGHTING FIXTURES ARE TO BE INSTALLED, SHALL BE EQUIPPED WITH 3/8 INCH FIXTURE STUDS.
2.3 JUNCTION AND PULL BOXES
A. BOXES AND COVERS SHALL BE GALVANIZED STEEL OF CODE GAUGE AND SIZE.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. SUPPORT ALL CONDUIT IN ACCORDANCE WITH THE NEC AND LOCAL CODES.
B. GENERALLY, ALL CONDUIT SHALL BE CONCEALED EXCEPT FOR UNFINISHED AREAS, SUCH AS EQUIPMENT ROOMS. EXPOSED CONDUIT SHALL BE ALLOWED ONLY AS NOTED ON PLAN AND AS APPROVED BY TENANT'S PROJECT MANAGER. PAINTING OF CONDUITS, NOTED ON DRAWINGS OR SPECIFICATIONS WILL BE BY GENERAL CONTRACTOR.
C. FLEXIBLE METAL CONDUIT OR MC TYPE CABLE FLEXIBLE CONDUIT OR MC TYPE CABLE SHALL ONLY BE USED FOR THE FOLLOWING APPLICATIONS:
a. FINAL CONNECTIONS TO MOTORS
b. FINAL CONNECTIONS INTO AND OUT OF THE TRANSFORMER
c. FINAL CONNECTIONS TO VIBRATING EQUIPMENT
d. INTER-CONNECTIONS BETWEEN ALL LIGHT FIXTURES
e. FINAL CONNECTIONS WHERE RIGID CONDUIT IS NOT PRACTICAL.
f. IN WALLS (FOR LIGHT SWITCHES AND 120 VOLT POWER RECEPTACLES AND HVAC CONTROL EQUIPMENT).
D. FLEXIBLE METAL CONDUIT MUST BE THE SAME SIZE AS THE IMC OR EMT CONDUIT TO WHICH IT IS CONNECTED. THE FLEXIBLE METAL CONDUIT AND ITS FITTINGS ARE TO BE LISTED FOR GROUNDING. A GREEN GROUNDING CONDUCTOR SHALL BE INSTALLED. ALL CONNECTORS ARE TO BE OF A NEMA APPROVED TYPE.
E. THE USE OF ROMEX, BX, ETC. IS NOT PERMITTED.
F. PROVIDE PULL-WIRE IN ALL EMPTY CONDUITS EXCEPT AS NOTED OTHERWISE ON DRAWINGS.
G. HOME RUNS AND MAIN CONDUIT RUNS ARE TO BE HELD TIGHT TO STRUCTURE ABOVE OR AS REQUIRED TO ALLOW PROPER SERVICE ACCESS AND OTHER TRADES WORK. CONDUIT MUST BE TRAPEZED TO ALLOW 3 FEET MINIMUM CLEARANCE ABOVE CEILING.
H. ALL CONDUITS MUST BE SIZED PER NEC AND LOCAL CODES.
I. INSTALL BOXES RIGIDLY FROM BUILDING STRUCTURE AND SUPPORT INDEPENDENTLY OF THE CONDUIT SYSTEM. ALSO PROVIDE SUITABLE BOX EXTENSIONS TO EXTEND BOXES TO FINISHED FACES OF FLOORS, CEILINGS, WALLS, ETC. ALL OUTLET BOXES TO BE PROVIDED WITH CADDY "QUICK-MOUNT BOX SUPPORT" TO MINIMIZE THE DEFLECTION THAT OCCURS WHEN PLUGGING/UNPLUGGING INTO THESE DEVICES.
J. UNLESS OTHERWISE NOTED ON DRAWINGS OR OTHERWISE REQUIRED BY THE NATIONAL ELECTRIC CODE, HANDICAP CODES OR LOCAL CODES, OUTLET HEIGHTS SHALL BE AS FOLLOWS:
a. SWITCH HEIGHT 48 INCHES FROM FINISHED FLOOR TO CENTERLINE OF OUTLET
b. CONVENIENCE OUTLETS: 18 INCHES FROM FINISHED FLOOR TO CENTERLINE OF OUTLET
c. TELEPHONE OUTLETS SHALL BE LOCATED AS NOTED ON DRAWINGS
K. ARRANGE CIRCUITS TO AVOID THE USE OF JUNCTION BOXES IN INACCESSIBLE LOCATIONS. THE USE OF JUNCTION BOXES ABOVE DRYWALL CEILINGS SHOULD BE LIMITED TO LOCATIONS NEAR ACCESS FRAMES USED FOR DIFFUSERS AND RETURN AIR GRILLES OR ACCESS PANELS AS LOCATED ON PLANS.
L. JUNCTION AND PULL BOXES MUST BE LABELED WITH CIRCUIT NUMBER IDENTIFICATION AND SYSTEM TYPE ON COVER.
M. JUNCTION AND PULL BOXES MUST BE ACCESSIBLE ACCORDING TO NEC 314.29. REFER TO ARCHITECTURAL SPECIFICATIONS FOR ACCESS PANEL SPECIFICATION IF NEEDED.
3.2 TELEPHONE DATA AND COMPUTER SYSTEM
A. FURNISH AND INSTALL A SYSTEM OF CONDUIT RACEWAYS, OUTLET BOXES AND PULL WIRES AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE NOTED ON PLANS. TELEPHONE SWITCHING APPARATUS, CONDUCTORS, INSTRUMENTS, MISCELLANEOUS EQUIPMENT AND APPURTENANCES ARE NOT PART OF THIS CONTRACT
B. OUTLET BOXES ARE TO BE 4 INCH SQUARE MINIMUM WITH SINGLE DEVICE COVER AND TELEPHONE PLATE
C. ALL PULL WIRES ARE TO BE LABELED FOR PURPOSE DESIGNATED.

END OF SECTION.

DIVISION 26 - ELECTRICAL

SECTION 260553 - IDENTIFICATION

PART 1 - GENERAL

- 1.1 SCOPE OF WORK
A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 EQUIPMENT LABELS

- A. MULTILAYER, MULTICOLOR PLASTIC LABELS WITH MECHANICAL ENGRAVING, FOR ATTACHMENT TO EQUIPMENT.

2.2 CONDUCTORS

- A. REFER TO SECTION 260519
B. PROVIDE SELF-ADHESIVE VINYL LABELS THAT ARE PREPRINTED.

PART 3 - EXECUTION

3.1 LABELING

- A. ALL EQUIPMENT (INCLUDING BUT NOT LIMITED TO PANELBOARDS, SWITCHBOARDS, DISTRIBUTION BOARDS, UPS'S, PDUS, MOTORS, TRANSFORMERS, DISCONNECT SWITCHES) SHALL BE LABELED INDICATING EQUIPMENT NAME AND FEEDER SIZE.
B. ALL BRANCH CIRCUIT WIRING DEVICES SHALL BE LABELED WITH CIRCUIT NUMBER.
C. ALL JUNCTION BOXES ABOVE CEILING AND BELOW RAISED FLOOR SHALL BE LABELED WITH CIRCUIT NUMBER.

END OF SECTION.

SECTION 260573 - OVERCURRENT PROTECTION DEVICE COORDINATION STUDY

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.
B. UTILIZING A COMPUTER-BASED SOFTWARE PROGRAM, MODEL THE PROPOSED DISTRIBUTION SYSTEM, CALCULATE THE MAXIMUM AVAILABLE SHORT CIRCUIT THROUGHOUT AND COORDINATE THE SELECTION OF OVERCURRENT PROTECTION DEVICES TO MEET IEEE.
C. SUBMIT A FULL REPORT FOR REVIEW AND APPROVAL.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION.

SECTION 262200 - TRANSFORMERS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 DRY TYPE TRANSFORMERS

- A. PROVIDE TRANSFORMERS OF K RATINGS SHOWN ON THE DRAWINGS, WITH COPPER WINDINGS, VENTILATED ENCLOSURE, AND ELECTROSTATIC SHIELDING.
B. PROVIDE TWO, 2.5 PERCENT TAPS ABOVE AND TWO, 2.5 PERCENT TAPS BELOW FULL CAPACITY.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. TRANSFORMER SHALL BE PAD MOUNTED OR SHALL BE SECURELY MOUNTED FROM THE BUILDING STRUCTURE.

REINFORCED WALLS OR AS NOTED ON DRAWINGS. USE ADDITIONAL VIBRATION ISOLATORS AT POINTS OF MOUNTING TO CUT VIBRATION NOISES. USE FLEXIBLE METALLIC CONDUIT WITH GROUNDING BUSHING FOR PRIMARY AND SECONDARY CONNECTIONS TO TRANSFORMER. TRANSFORMERS SHALL BE LOCATED, SET, MOUNTED AND CONNECTED IN SUCH A MANNER AS TO KEEP NOISE LEVELS WITHIN THE SURROUNDING AMBIENT NOISE LEVELS AND MAINTAIN ALL CODE REQUIRED CLEARANCES.

END OF SECTION.

SECTION 262416 - PANELBOARDS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 PANELBOARDS

- A. ALL PANELBOARDS SHALL BE FACTORY ASSEMBLED OF THE BOLTED CIRCUIT BREAKER TYPE WITH SOLID COPPER BUSSING, FULL SIZED COPPER NEUTRAL, 100 PERCENT GROUND BUSSING, AND OVERALL HINGED/LOCKABLE DOOR. ALL CIRCUIT BREAKERS SHALL BE OF THE QUICK-MAKE AND QUICK-BREAK DESIGN, THERMAL-MAGNETIC TYPE, TRIP FREE AND TRIP-INDICATING. ALL PANELS SHALL BE DEAD FRONT AND FLUSH OR SURFACE MOUNTED AS SHOWN.
B. PANELBOARDS SHALL HAVE A MINIMUM SHORT CIRCUIT CURRENT RATING AND LUG CONNECTIONS AS REQUIRED BY A SHORT CIRCUIT STUDY.
C. ALL LUG CONNECTIONS TO BE 75 DEGREE C RATED.
D. PROVIDE ISOLATED GROUND BUS AND DOUBLE NEUTRAL BUS WHERE INDICATED ON THE DRAWINGS.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. REFER TO DRAWINGS FOR FLUSH OR SURFACE MOUNTING.

END OF SECTION.

SECTION 262726 - WIRING DEVICES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 SWITCHES AND RECEPTACLES

- A. FURNISH AND INSTALL SWITCHES AND RECEPTACLES, UNLESS NOTED OTHERWISE, AS NECESSARY FOR A COMPLETE INSTALLATION. COLOR OF DEVICES AND PLATES SHALL BE SELECTED BY THE ARCHITECT.
B. THE DEVICES SHALL BE OF THE TYPES AND RATINGS LISTED, OR EQUALS WITH PASS & SEYMOR, HUBBELL, OR LEVITON.
a. SINGLE POLE SWITCHES: 20AMP - 120-277V: LEVITON 'DECORA' #5621-X
b. THREE WAY SWITCHES: 20AMP - 120-277V: LEVITON 'DECORA' #5623-X
c. DUPLEX RECEPTACLES: 20AMP - 125V: LEVITON 'DECORA' #16352-X
d. ISOLATED GROUND RECEPTACLES: 20AMP - 125V: LEVITON 'DECORA' #16352-IG
e. GROUND FAULT CIRCUIT INTERRUPTING RECEPTACLES: 20AMP - 125V: LEVITON 'DECORA' #8899
C. ALL DEVICE COVER PLATES SHALL BE LEVITON 'DECORA' NYLON STYLE.
2.2 WALL-BOX DIMMERS
A. DIMMERS SHALL BE LEVITON 'MONET' OR LUTRON "NOVA-T-STAR".
2.3 OCCUPANCY CONTROLS
A. WALL-SWITCH SENSORS SHALL BE OF THE PASSIVE INFARED TYPE DESCRIBED ON THE DRAWINGS WITH ADJUSTABLE TIME DELAY AND FIELD OF VIEW AND COVERAGE REQUIRED FOR THE INSTALLATION.
B. REFER TO THE DRAWINGS FOR PASSIVE INFARED, ULTRASONIC AND DUAL TECHNOLOGY OCCUPANCY SENSORS REQUIRED FOR LARGER SPACES. PROVIDE A COMPLETE SYSTEM INCLUDING SENSORS, POWER PACKS/RELAYS AND WALL OVERRIDE SWITCHES.
2.4 FLOOR BOXES
A. REFER TO THE DRAWINGS FOR DESCRIPTION OF REQUIRED FLOOR BOXES IN SLAB ON GRADE OR POKE-THRU INSTALLATIONS.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. INSTALL DEVICES PER THE MANUFACTURER'S RECOMMENDATIONS.
B. LABEL ALL RECEPTACLES INDICATING PANELBOARD AND CIRCUIT NUMBER. INSTALL CLEAR LABEL WITH BLACK TEXT ON THE FACE OF WALL PLATE.

END OF SECTION.

SECTION 262816 - ENCLOSED SWITCHES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 SAFETY SWITCHES

- A. SAFETY AND DISCONNECT SWITCHES SHALL BE HEAVY DUTY TYPE, QUICK-MAKE, QUICK-BREAK FUSED OR NON-FUSIBLE WITH RATINGS AND SIZES AS NOTED ON PLANS AND REQUIRED BY CODES.
B. SWITCHES SHALL BE WEATHERPROOF IN OUTDOOR LOCATION OR AS REQUIRED BY LOCAL CODES.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. COORDINATE ALL CONTROL DEVICES WITH MECHANICAL CONTRACTOR. COMBINATION STARTER/DISCONNECT SWITCHES SHALL CONTAIN FUSIBLE SWITCHES AND ONLY USED WHERE INDICATED ON DRAWINGS.

END OF SECTION.

SECTION 264313 - SURGE SUPPRESSION DEVICE

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.
B. ALL SPD'S MUST COMPLY WITH UL 1449 3RD ADDITION.

PART 2 - PRODUCTS

2.1 SERVICE ENTRANCES

- A. PROVIDE CURRENT TECHNOLOGY "TRANSGUARD", OR EQUAL, WITH L-N, L-G, N-G, AND L-L PROTECTION. UNIT SHALL HAVE A SINGLE SURGE CURRENT CAPACITY PER MODE OF 200,000 AMPS, 400,000 AMPS PER PHASE, AND HAVE REPETITIVE SURGE CURRENT CAPACITY PER MODE OF 6,500 IMPULSES.
B. PROVIDE SEPARATE NEMA 1 ENCLOSURES FOR SURFACE MOUNTING NEXT TO MAIN SERVICE EQUIPMENT.

2.2 PANELBOARD PROTECTION

- A. PROVIDE CURRENT TECHNOLOGY "TRANSGUARD", OR EQUAL, WITH L-N, L-G, N-G, AND L-L PROTECTION. UNIT SHALL HAVE A SINGLE SURGE CURRENT CAPACITY PER MODE OF 100,000 AMPS, 200,000 AMPS PER PHASE, AND HAVE REPETITIVE SURGE CURRENT CAPACITY PER MODE OF 4,500 IMPULSES.
B. PROVIDE SEPARATE NEMA 1 ENCLOSURES FOR SURFACE OR FLUSH MOUNTING NEXT TO MAIN SERVICE EQUIPMENT.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. INSTALL TVSS PER THE MANUFACTURER'S RECOMMENDATIONS USING LEADS AS SHORT AS POSSIBLE.

END OF SECTION.

SECTION 265100 - LIGHTING

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 260500.

PART 2 - PRODUCTS

2.1 LIGHT FIXTURES

- A. PROVIDE LIGHT FIXTURES, LAMPS AND DRIVERS AS SHOWN IN THE FIXTURE SCHEDULE ON THESE AND THE ARCHITECTURAL DRAWINGS.
B. LED FIXTURES SHALL COMPLY WITH UL 1598.
C. FIXTURES SHALL BE PAINTED AFTER FABRICATION.
2.2 DRIVERS FOR LED LUMEN PACKAGES/MODULES
ELECTRONIC, CONSTANT CURRENT, CLASS 1 DRIVER WITH THE FOLLOWING CHARACTERISTICS AND REQUIREMENTS:
A. NEMA SSL 1, UL 8759.
B. CLASS A SOUND RATING.
C. 85% MINIMUM EFFICIENCY AT FULL LOAD.
D. OUTPUT RATED CURRENT TO MATCH LED LUMEN PACKAGE/MODULE.
E. MINIMUM 0.95 POWER FACTOR AT MAX LOAD, OR 0.90 POWER FACTOR OVER FULL DIMMING RANGE
F. INTEGRAL SHORT CIRCUIT, OPEN CIRCUIT AND OVERLOAD PROTECTION
G. NO HIGHER THAN 20% TOTAL HARMONIC DISTORTION
H. COMPLY WITH FCC47 CFR PART 15
I. 0-10V DIMMABLE CONTROL, AS APPLICABLE

2.3 LED LUMEN PACKAGES/MODULES

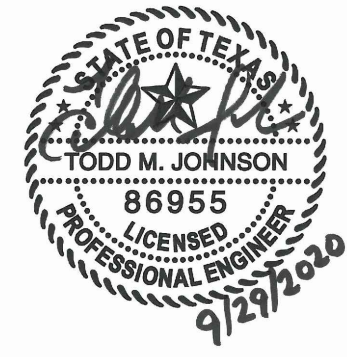
- LED LUMEN PACKAGES/MODULES SHALL HAVE THE FOLLOWING CHARACTERISTICS AND REQUIREMENTS:
A. 50,000 HOURS MINIMUM LIFE, USING AN L70 LUMEN MAINTENANCE VALUE, CALCULATED BY IES TM-21. IES LM-80 SPECIFIED DATA SHALL BE USED FOR THE MODULE DRIVER COMBINED SYSTEM.
B. THE MODULES SHALL BE INSTALLED AS PART OF A LUMINAIRE THAT IS TESTED TO IES LM-79 AND LM-80 STANDARDS.
C. MINIMUM CRI OF 80 AND APPROVED R9 REFERENCE SAMPLE.
D. CORRELATED COLOR TEMPERATURE AND LUMEN OUTPUT AS LISTED IN THE DRAWINGS' LIGHT FIXTURE SCHEDULES.
E. HIGH POWER, WHITE LIGHT OUTPUT UTILIZING PHOSPHOR CONVERSION PROCESS OR MIXED SYSTEM OF COLORED LEADS, TYPICALLY RED, GREEN AND BLUE.
F. COLOR CONSISTENCY UTILIZING A BINNING TOLERANCE WITH A 3-STEP McADAM ELLIPSE.

PART 3 - EXECUTION

3.1 INSTALLATION

- THIS CONTRACTOR SHALL FURNISH ADDITIONAL AUXILIARY SUPPORT STEEL HANGER WIRES ADEQUATELY SIZED TO SUPPORT THE WEIGHT OF THE FIXTURE FASTENED TO THE BUILDING STRUCTURE (MINIMUM TWO PER FIXTURE) FOR ALL FIXTURES IN LAY-IN CEILING AND OTHER FIXTURES AS REQUIRED BY THE OWNER AND LOCAL CODE OFFICIALS. FURNISH AND INSTALL APPLICABLE FIRE RATED DRYWALL BOXES OVER RECESSED FIXTURE IN FIRE RATED CEILINGS AS REQUIRED BY CODES. FIELD COORDINATE AS REQUIRED TO AVOID CONFLICTS.

END OF SECTION.



PROJECT NO.: 581-005
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CHECKED BY: KS
R.S.F.: 5,757



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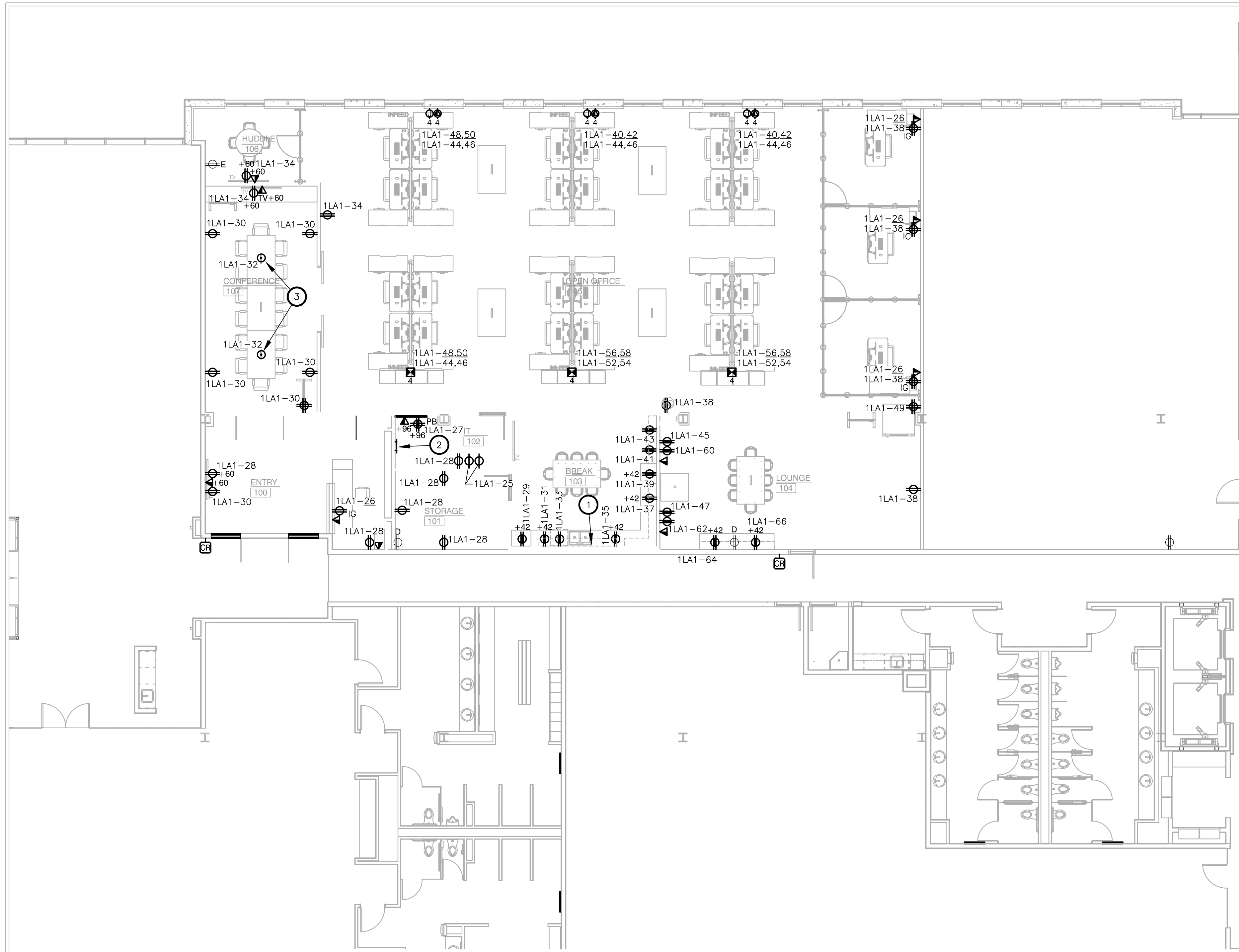
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DRAWING TITLE:
ELECTRICAL
SPECIFICATIONS 2 OF 2
DRAWING NUMBER:

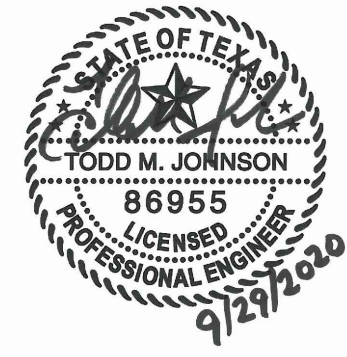
E1.02



1 LEVEL 01 ELECTRICAL PLAN
SCALE: 1/8"=1'-0"

NOTES BY SYMBOL (X):

1. REFER TO MECHANICAL EQUIPMENT POWER SCHEDULE ON SHEET E0.01 FOR POWER TO WATER HEATERS.
2. PROVIDE 12"x2"x1/4" COPPER GROUND BUS WALL MOUNTED WITH INSULATING STANDOFFS AT 48" AFF. EXTEND 1#6AWG IN 3/4" C FROM GROUND BUS TO BUILDING GROUND.
3. CONTRACTOR TO PROVIDE CONDUIT ROUTED UNDERFLOOR FROM POKE THRU TO TV FOR HDMI CONNECTIVITY. CONTRACTOR TO COORDINATE EXACT AV REQUIREMENTS.



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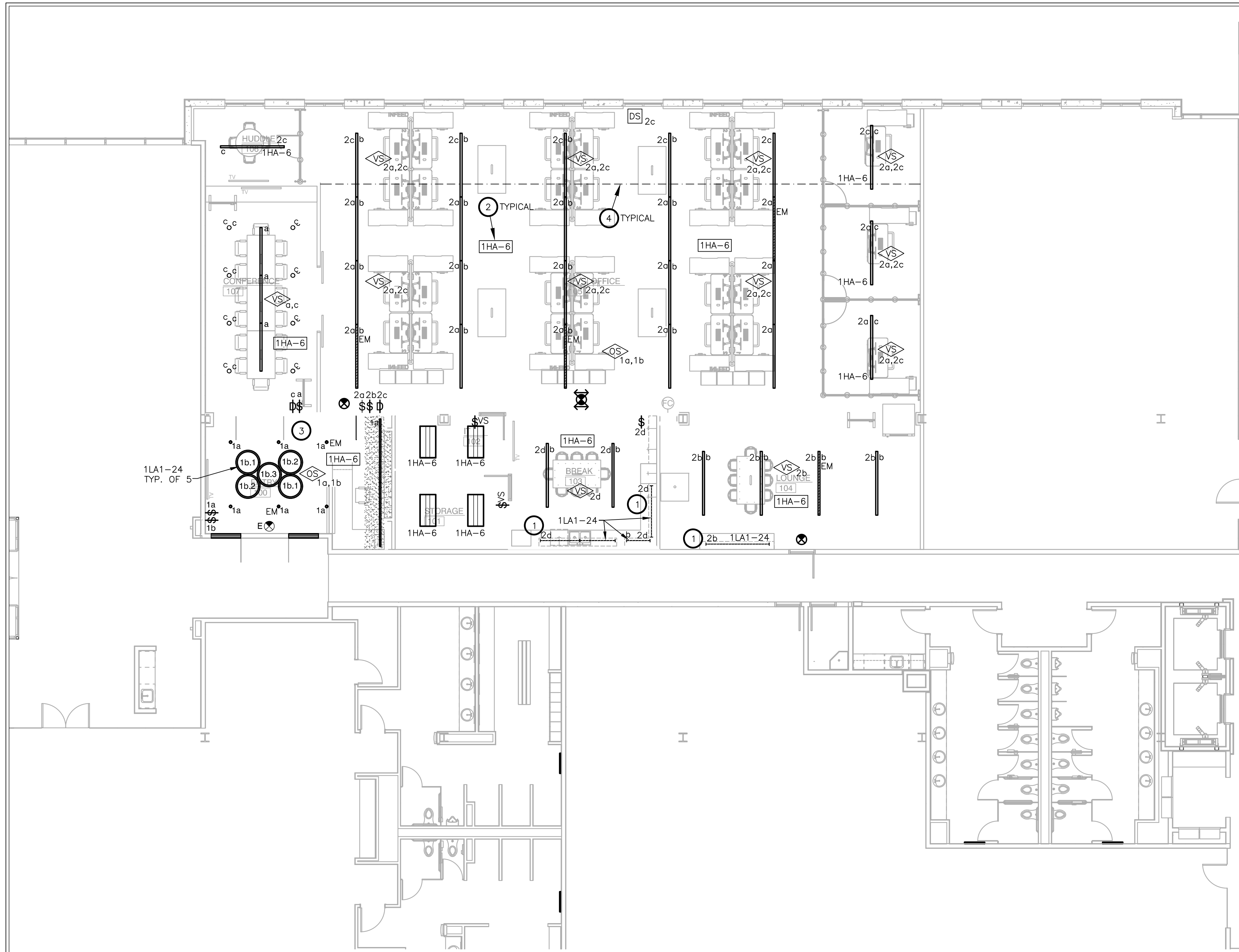
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LEVEL 01 ELECTRICAL PLAN

DRAWING NUMBER:

E2.01



1 LEVEL 01 LIGHTING PLAN
SCALE: 1/8"=1'-0"

NOTES BY SYMBOL (X):

1. PROVIDE CONTACTOR AS REQUIRED TO CONTROL UNDERCABINET LIGHTS AND CEILING LIGHTS TOGETHER ON ONE SWITCH.
2. INDICATES ALL LIGHTING IN THE ROOM/AREA SHALL BE ON THIS CIRCUIT EXCEPT FOR EMERGENCY LIGHTS OR AS NOTED OTHERWISE.
3. PROVIDE CONTACTORS AND ACCESSORIES AS REQUIRED TO CONTROL ALL LIGHTS IN ROOM FROM THE OCCUPANCY SENSOR(S).
4. LINE INDICATES LIMITS OF DAYLIGHT ZONE REQUIRING DAYLIGHT RESPONSIVE CONTROLS.



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DRAWING TITLE:
LEVEL 01 LIGHTING PLAN

DRAWING NUMBER:

E3.01

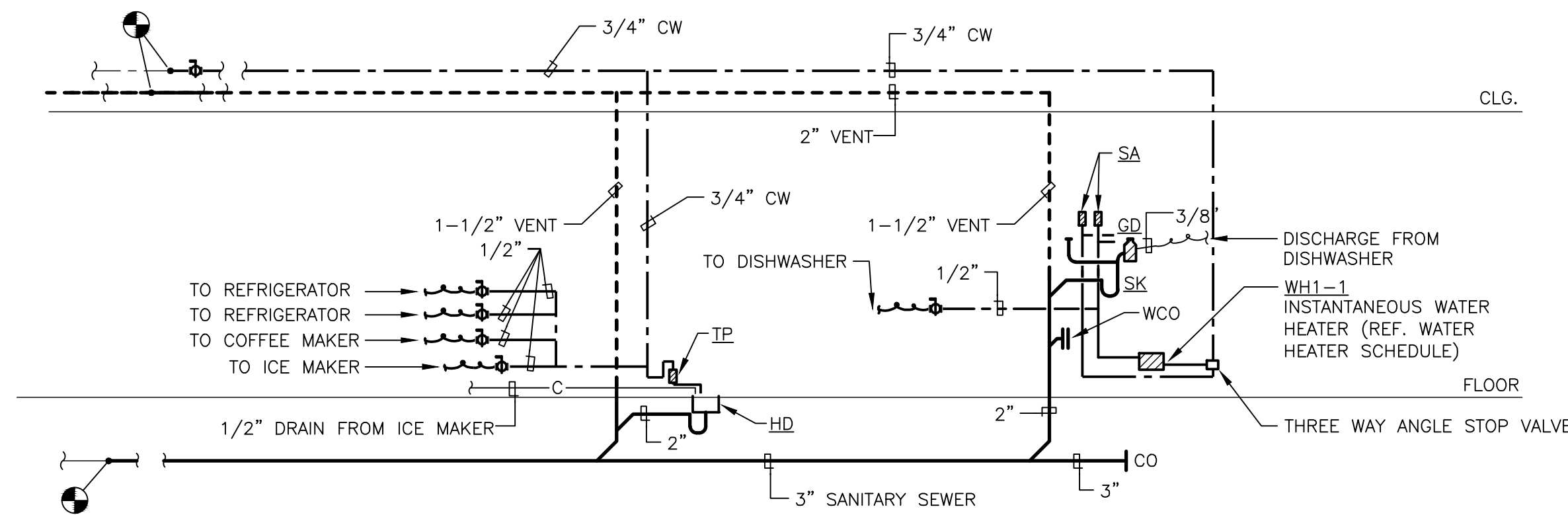
DALLAS GREEN BUILDING REQUIREMENTS:

702.7 HOT AND TEMPERED WATER DISTRIBUTION. WATER SUPPLY PIPING SHALL BE IN ACCORDANCE WITH SECTION 702.7 OR SECTION 702.7.2. THE FLOW RATE THROUGH 1/4-INCH (6.4 MM) TUBING SHALL NOT EXCEED 0.5 GPM (1.9 LPM). THE FLOW RATE THROUGH 5/16-INCH (7.9 MM) TUBING SHALL NOT EXCEED 1 GPM (3.8 LPM). THE FLOW RATE THROUGH 3/8-INCH (9.5 MM) TUBING SHALL NOT EXCEED 1.5 GPM (5.7 LPM).

702.7.1 MAXIMUM ALLOWABLE PIPE LENGTH METHOD. THE MAXIMUM ALLOWABLE PIPE LENGTH FROM THE SOURCE OF HOT OR TEMPERED WATER TO THE TERMINATION OF THE FIXTURE SUPPLY PIPE SHALL BE IN ACCORDANCE WITH THE MAXIMUM PIPE LENGTH COLUMNS IN TABLES 702.7.2(2) THROUGH 702.7.2(10), AS APPROPRIATE FOR THE TYPE OF PIPE TO BE INSTALLED. WHERE THE TYPE OF PIPE TO BE INSTALLED IS UNKNOWN OR THE TYPE OF PIPE IS NOT COVERED BY TABLES 702.7.2(2) THROUGH 702.7.2(10), TABLE 702.7.2(1) SHALL BE USED FOR DESIGN PURPOSES. WHERE THE LENGTH CONTAINS MORE THAN ONE SIZE OF PIPE, THE LARGEST SIZE SHALL BE USED FOR DETERMINING THE MAXIMUM ALLOWABLE LENGTH OF THE PIPE IN THE TABLES.

702.7.2 MAXIMUM ALLOWABLE PIPE VOLUME METHOD. THE WATER VOLUME IN THE PIPING SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 702.7.2.1. THE MAXIMUM VOLUME OF HOT OR TEMPERED WATER IN THE PIPING TO PUBLIC LAVATORY FAUCETS, METERING OR NONMETERING, SHALL BE 2 OUNCES (0.06 L). FOR FIXTURES OTHER THAN PUBLIC LAVATORY FAUCETS, THE MAXIMUM VOLUME SHALL BE 64 OUNCES (1.89 L) FOR HOT OR TEMPERED WATER FROM A WATER HEATER OR BOILER; AND 24 OUNCES (0.7 L) FOR HOT OR TEMPERED WATER FROM A CIRCULATION LOOP PIPE OR AN ELECTRICAL HEAT-TRACED PIPE. THE WATER VOLUME IN THE PIPING SHALL BE CALCULATED IN ACCORDANCE WITH SECTION 702.7.2.1.

702.7.2.1 WATER VOLUME DETERMINATION. THE VOLUME SHALL BE THE SUM OF THE INTERNAL VOLUMES OF PIPE, FITTINGS, VALVES, METERS AND MANIFOLDS BETWEEN THE SOURCE OF HOT WATER AND THE TERMINATION OF THE FIXTURE SUPPLY PIPE. THE VOLUME SHALL BE DETERMINED FROM THE LIQUID OUNCES PER FOOT COLUMN OF TABLES 702.7.2(2) THROUGH 702.7.2(10) AS APPROPRIATE FOR THE TYPE OF PIPE. WHERE THE TYPE OF PIPE IS UNKNOWN OR THE TYPE OF PIPE IS NOT COVERED BY TABLES 702.7.2(2) THROUGH 702.7.2(10), TABLE 702.7.2(1) SHALL BE USED TO DETERMINE THE VOLUME. THE VOLUME CONTAINED WITHIN FIXTURE SHUTOFF VALVES, FLEXIBLE WATER SUPPLY CONNECTORS TO A FIXTURE FITTING, OR WITHIN A FIXTURE FITTING SHALL NOT BE INCLUDED IN THE WATER VOLUME DETERMINATION. WHERE HOT OR TEMPERED WATER IS SUPPLIED BY A CIRCULATION LOOP PIPE OR AN ELECTRICALLY HEAT-TRACED PIPE, THE VOLUME SHALL INCLUDE THE PORTION OF THE FITTING ON THE SOURCE PIPE THAT SUPPLIES WATER TO THE FIXTURE.



1 PLUMBING RISER DIAGRAM
SCALE: NOT TO SCALE

FIRE PROTECTION SPECIFICATION:

MODIFY THE EXISTING WET PIPE FIRE SPRINKLER SYSTEM AS REQUIRED FOR THE NEW TENANT LAYOUT INCLUDING RELOCATING PIPING TO CLEAR NEW DUCTWORK, ADDING NEW HEADS, RELOCATING EXISTING HEADS, AND LEAVING CERTAIN EXISTING HEADS IN PLACE. THE SPRINKLER DESIGN SHALL COMPLY WITH NFPA 13, THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION AND THE REQUIREMENTS OF THE OWNER'S INSURANCE COMPANY. EXISTING SPRINKLER HEADS TO BE RELOCATED MAY BE REUSED. EXISTING PIPING WHICH IS REMOVED IN THE MODIFICATION WORK SHALL NOT BE REUSED. NEW SPRINKLER PIPING SHALL BE ROUTED AS REQUIRED TO CLEAR NEW DUCTWORK, EXISTING DUCTWORK TO REMAIN, LIGHT FIXTURES, STRUCTURAL INTERFERENCES, ETC. THE NEW SPRINKLER HEADS SHALL MATCH EXISTING SPRINKLER HEADS. ALL PIPING SHALL BE SCHEDULE 40 WITH USA FITTINGS.

IN ALL GYP. BOARD CEILING AREA, PROVIDE CONCEALED SPRINKLER HEADS WITH CAPS TO BE FACTORY PAINTED TO MATCH CEILING. ALL SPRINKLER HEADS IN LAY-IN CEILING SHALL BE LOCATED IN CENTER OF TILE AND ALIGNED WITH LIGHT FIXTURES.

SPRINKLER CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF CALCULATIONS AND SPRINKLER HEAD LOCATIONS FOR ARCHITECT TO REVIEW PRIOR TO ANY INSTALLATION. NO EXCEPTION TAKEN.

ALL SPRINKLER HEADS IN EXPOSED CEILING SHALL BE TURNED TO THE UPRIGHT POSITION AND REPLACE HEADS IF REQUIRED.

PLUMBING FIXTURE SCHEDULE

DESIGNATION	FIXTURE	MANUFACTURER AND MODEL NO.	DESCRIPTION, TRIM AND NOTES
SK	SINK	ELKAY LUSTERTONE ELUHAD311855PD WITH EDGEWATER 4932.300.002 FAUCET	DOUBLE COMPARTMENT UNDERMOUNT, 18 GAUGE TYPE 304 STAINLESS STEEL, 5-3/8" DEEP SINK WITH DRAIN AND CUP STRAINER. PROVIDE SINGLE HANDLE SWIVEL FAUCET PROVIDING 1.5 GPM. PROVIDE CHROME PLATED CAST P-TRAP WITH CLEANOUT, CHROME PLATED FLEX SUPPLIES, WALL STOPS AND WALL ESCUTCHEONS. PROVIDE TRUEBRO INSULATION KIT FOR ADA COMPLIANCE.
HD	HUB DRAIN	JOSAM SERIES 88600	OPEN CAST IRON DRAINAGE HUB.
SA	SHOCK ARRESTOR	WATTS DRAINAGE SG SERIES	WROUGHT COPPER SHELL SIZE AND LOCATE IN ACCORDANCE WITH P.D.I. STANDARDS.
TP	TRAP PRIMER	PRECISION PLUMBING PRODUCTS	ALL BRASS WITH DISTRIBUTION UNIT WHERE REQUIRED.

GENERAL NOTES:

- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE AND LOCAL CODES, RULES, REGULATIONS AND REQUIREMENTS.
- ALL WORK SHALL COMPLY WITH THE BUILDING TENANT CONSTRUCTION GUIDE. COORDINATE WITH BUILDING MANAGEMENT/OWNER FOR ACCESS TO ANY TENANT LEASE SPACES THAT MIGHT BE REQUIRED FOR THE INSTALLATION. UNLESS DIRECTED BY LANDLORD ALL EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED FOR 1 YEAR.
- EXISTING CONDITIONS ARE BASED ON INFORMATION PROVIDED BY PREVIOUS RECORD DRAWINGS DATED 11/13/2019 HOWEVER, IT IS NOT INTENDED TO BE A TRUE REPRESENTATION OF ACTUAL CONDITIONS. CONTRACTOR SHALL VISIT JOB SITE PRIOR TO BIDDING TO ASCERTAIN EXISTING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BID.
- PIPING LAYOUT IS SCHEMATIC, EXACT LOCATION OF PIPES TO BE COORDINATED WITH BUILDING STRUCTURE AND WORK OF OTHER CONTRACTORS.
- CONTRACTOR SHALL COORDINATE PLUMBING ROUGH-IN WITH ARCHITECTURAL DRAWINGS TO PROVIDE EXACT PLUMBING LOCATION FOR FIXTURES.
- COORDINATE EXACT LOCATION OF ALL WATER AND DRAIN CONNECTIONS FOR EQUIPMENT PROVIDED BY OTHERS.
- COPPER COLD, HOT AND HOT WATER LINES SHALL BE INSULATED WITH RIGID FIBERGLASS WITH WHITE ALL-SERVICE JACKET AND VAPOR BARRIER. FITTINGS SHALL BE PRE-MOLDED OF THE SAME MATERIAL. REFER TO PLUMBING INSULATION SCHEDULE.
- RUN ALL WATER LINES LEVEL.
- THIS CONTRACTOR IS TO PROVIDE ALL ADDITIONAL STEEL, HANGER MATERIALS, RODS AND CLAMPS AS REQUIRED FOR COORDINATION WITH WORK OF OTHER TRADES.
- SUPPORT CAST IRON SANITARY PIPING NOT IN EARTH, ON 5'-0" CENTERS, ALL STEEL PIPING ON 10'-0" CENTERS AND COPPER PIPING ON 8'-0" CENTERS.
- THIS CONTRACTOR IS RESPONSIBLE FOR FIRESTOPPING AT ALL PLUMBING RELATED PENETRATIONS OF FIRE AND SMOKE RATED STRUCTURES, FLOORS AND PARTITIONS. REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCATIONS OF ALL RATED STRUCTURES.
- ALL FIXTURES TO BE EQUIPPED WITH STOP VALVES IN ACCESSIBLE LOCATION.
- CONTRACTOR SHALL PROVIDE SHUT-OFF VALVE AT EACH BRANCH LINE CONNECTING TO THE MAIN. PROVIDE BRASS VALVE TAGS WITH DOCUMENTATION IN CLOSEOUT DOCUMENTS.
- MAIN WATER SHUT-OFFS SHALL BE ACCESSIBLE.
- PROVIDE ACCESSIBLE CLEANOUTS AT NOT MORE THAN 50 FEET APART IN HORIZONTAL SANITARY DRAINAGE LINES 4" SIZE OR LESS, AND NOT MORE THAN 100 FEET APART FOR LARGER PIPES.
- PROVIDE ACCESSIBLE CLEANOUTS AT BASE OF ALL SANITARY STACKS AND OTHER PLACES AS REQUIRED BY CODE.
- WATER HEATER SHALL HAVE BOTH WATER AND ELECTRICAL SHUT-OFFS AT EASILY ACCESSIBLE LOCATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND REMOVAL OF ALL ABANDONED PLUMBING LINES.
- ALL DOMESTIC WATER PIPING SHALL BE TYPE "L" HARD DRAWN SEAMLESS COPPER WATER TUBE CONFORMING TO ASTM B88. JOINED WITH WROUGHT COPPER SWEAT TYPE FITTINGS SHALL CONFORM TO ANSI B16.22. WHERE SOLDERED COPPER PIPING IS CONNECTED TO THREADED BRASS PIPING, A CAST BRASS ADAPTER SHALL BE USED. SOLDERED COPPER JOINTS SHALL BE SOLDERED WITH LEAD FREE ASTM B32 GRADE 95T TIN-ANTIMONY SOLDER. EXPOSED PIPING CONNECTED TO FIXTURES AND EQUIPMENT SHALL BE MADE WITH RED BRASS, GRADE "A". NO FERROUS PIPING OR MATERIALS WILL BE ALLOWED.
- ALL SOIL WASTE AND VENT SANITARY DRAINAGE LINES SHALL BE CAST IRON SOIL PIPE AND FITTINGS. COATED INSIDE AND OUTSIDE. MANUFACTURED IN ACCORDANCE WITH ASTM A-74, AND SHALL BE LABELED WITH CAST IRON SOIL PIPE INSTITUTES "MARK OF QUALITY AND PERMANENCE". JOINTS SHALL BE FABRICATED BY THE USE OF "PUSH-ON" TYPE GASKETED JOINTS BELOW GRADE AND "NO-HUB" MECHANICAL JOINTS ABOVE GRADE. PIPING MAY BE PVC ONLY IF ALLOWED PER CODE. (WEIGHT OF PIPE SHALL BE AS REQUIRED BY CODE FOR LOCATION AND DUTY).
- CONDENSATE DRAIN AND INDIRECT DRAIN PIPING SHALL BE TYPE "DWV" HARD DRAWN COPPER PIPE, WITH CAST OR WROUGHT COPPER DRAINAGE PATTERN FITTINGS. PIPING SHALL BE EXTENDED FROM UNIT OR FIXTURE TO DRAIN. ALL PIPING IN CEILING PLENUM SHALL BE INSULATED WITH 1/2" ARMAFLEX OR 1/2" FIBERGLASS WITH ALL SERVICE JACKET.
- PLUMBING CONTRACTOR SHALL X-RAY SLAB PRIOR TO ANY CORE-DRILLING. COORDINATE WITH BUILDING MANAGEMENT FOR AFTER-HOURS ACCESS TO SPACE.
- REFER TO PLUMBING RISER DIAGRAMS FOR PIPING SIZES NOT SHOWN ON PLAN.

PIPING AT EXPOSED STRUCTURE

AT ALL LOCATIONS WHERE THERE IS NO CEILING, ALL PIPES SHALL BE INSTALLED AS HIGH AS POSSIBLE IN A NEAT AND PROFESSIONAL MANNER, RUNNING LEVEL AND PARALLEL TO THE LINES OF THE BUILDING.

PLUMBING SYMBOLS

SYMBOL	DESCRIPTION
---	SANITARY SEWER
---	VENT
---	DOMESTIC COLD WATER
---	DOMESTIC HOT WATER
-C-	DRAIN PIPING
CO	CLEAN OUT
—○	PIPING DOWN
—○	PIPING UP -OR- PIPING UP & DOWN
—○	CAP ON END OF PIPE
→	DIRECTION OF FLOW
⊕	ASME TEMPERATURE & PRESSURE RELIEF VALVE
⊕	BALL VALVE
+	UNION
⊕	CONNECTION TO EXISTING

ELECTRICAL WATER HEATER SCHEDULE

WATER HEATER DESIGNATION	SERVES	INPUT	ELECTRICAL			STORAGE GALLONS	RECOVERY GPH/GPM	DEGREE °F RISE	WATER TEMP AVG °F	EQUAL TO MANUFACTURER	NOTES
			VOLTAGE	PHASE	FLA						
WH1-1	BREAK	11080 WATTS	277	1	40.0	NA	1 GPM	75	---	CHRONOMITE INSTA-FLOW MICRO CM-40L	NOTE 1 AND 2

PLUMBING NOTES:
1. SUPPLY SET POINT TEMPERATURE SHALL BE 110°F WHICH SHALL BE PRESET AT FACTORY.
2. CONTRACTOR SHALL REMOVE INLINE FLOW CONTROL (LOCATED IN THE COMPRESSION FITTING) ON THE HOT WATER SIDE OF THE UNIT.

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DRAWING TITLE:
PLUMBING NOTES & SYMBOLS

DRAWING NUMBER:

P0.01

DIVISION 22 - PLUMBING

SECTION 220500 - COMMON WORK RESULTS

PART 1 - GENERAL

1.1 GENERAL NOTES

- A. DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND ALL OTHER SPECIFICATION SECTIONS, APPLY TO THIS AND THE OTHER SECTIONS OF DIVISION 22.
 - B. THE CONTRACTOR FOR THIS DIVISION OF WORK IS REQUIRED TO OBTAIN A COMPLETE SET OF BID DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND FULLY REVIEW THEM. COORDINATE DIVISION 22 WORK WITH THAT OF ALL OTHER DIVISIONS OF WORK.
 - C. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER. ANY LABOR OR MATERIAL CALLED FOR IN ONE SHALL BE FURNISHED AND INSTALLED EVEN THOUGH NOT SPECIFICALLY MENTIONED IN BOTH. ANY LABOR OR MATERIAL WHICH IS NEITHER SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY REQUIRED TO COMPLETE THE WORK, AND WHICH IS NORMALLY INCLUDED IN WORK OF SIMILAR CHARACTER, SHALL BE FURNISHED AND INSTALLED AS PART OF THIS CONTRACT.
 - D. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THE COMPLETION AND INSPECTION OF THIS WORK TO COMPLY WITH THE OWNER'S SCHEDULE AND PROJECT COMPLETION DATE.
- 1.2 SCOPE OF WORK**
- A. THE DESCRIPTION OF GENERAL CONDITION WORK IN THIS DIVISION SHALL ALSO APPLY TO DIVISIONS 21 AND 23.
 - B. THIS CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE FIRE PROTECTION, PLUMBING AND HVAC SYSTEM AS SHOWN ON THE DRAWINGS, CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED BY JOB CONDITIONS. WORK IS TO BE COMPLETE IN EVERY RESPECT, WHETHER SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS OR NOT.
 - C. ALL WORK NOT SPECIFICALLY NOTED AS BEING BY THE OWNER (BUILDING OWNER, LANDLORD OR TENANT), SHALL BE PROVIDED BY THIS CONTRACTOR.
 - D. THIS WORK, MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING ITEMS:
 - a. FIRE PROTECTION MODIFICATIONS AND ADDITIONS INCLUDING, BUT LIMITED TO PIPING, SPRINKLER HEADS AND CONTROL VALVES
 - b. PLUMBING WORK INCLUDING, BUT NOT LIMITED TO WASTE AND VENT PIPING, DOMESTIC WATER SERVICE AND DISTRIBUTION, PLUMBING FIXTURES, WATER HEATERS AND ROUGH-IN CONNECTION TO EQUIPMENT FURNISHED BY THE OWNER OR OTHER SECTIONS OF THE SPECIFICATIONS.
 - c. HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS INCLUDING, BUT NOT LIMITED TO HEATING AND COOLING UNITS, VENTILATING SYSTEMS, COMPLETE DUCT SYSTEMS, GRILLES REGISTERS AND DIFFUSERS, INSULATION, ACCESSORIES AND TEMPERATURE CONTROL SYSTEMS.

1.3 CODES

- A. ALL WORK SHALL CONFORM TO THE OWNER'S CRITERIA, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES, SAFETY AND HEALTH CODES, NFPA CODES, ENERGY CODES AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES AND REGULATIONS. THIS CONTRACTOR SHALL INCLUDE ANY CHANGES REQUIRED BY CODES IN THE BID AND IF THESE CHANGES ARE NOT INCLUDED IN THE BID, THEY MUST BE QUALIFIED AS A SEPARATE LINE ITEM IN THE BID. AFTER CONTRACT IS AWARDED, CHANGE ORDERS FOR INCREASED COSTS DUE TO CODE ISSUES WILL NOT BE ACCEPTED UNLESS ALLOWANCES HAVE BEEN PREVIOUSLY AGREED UPON.
- B. WHERE THE DRAWINGS AND SPECIFICATIONS CALL FOR ITEMS WHICH EXCEED CODE OR THE OWNER'S CRITERIA, THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING THE SYSTEM WITH THE MORE STRINGENT REQUIREMENTS.

1.4 LICENSES, PERMITS, INSPECTIONS AND FEES

- A. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS AND FEES REQUIRED OR RELATED TO THIS WORK. ALL COSTS ASSOCIATED WITH THESE SHALL BE PAID FOR BY THE CONTRACTOR AND INCLUDED AS PART OF THE BID.
- B. FURNISH TO THE OWNER ALL CERTIFICATES OF INSPECTION AND FINAL INSPECTION APPROVAL AT THE COMPLETION OF THE PROJECT.

1.5 GUARANTEE

- A. ALL MATERIALS, EQUIPMENT AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF 1 YEAR FROM THE DATE OF ACCEPTANCE (OFFICIAL DATE IN WRITING) OF THIS PROJECT. ALL WORK FOUND TO BE DEFECTIVE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- B. WHERE SPECIFIC EQUIPMENT IS NOTED TO HAVE EXTENDED WARRANTIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REGISTRATION SO THE OWNER CAN MAKE ALL APPROPRIATE CLAIMS.

1.6 RECORD DRAWINGS

- A. THIS CONTRACTOR SHALL MAINTAIN ONE SET OF DRAWINGS ON THE JOBSITE, UPDATED WEEKLY, TO RECORD ALL DEVIATIONS FROM THE CONTRACT DOCUMENTS SUCH AS:
 - a. LOCATIONS OF CONCEALED PIPING AND DUCTS
 - b. REVISIONS, ADDENDUMS AND CHANGE ORDERS
 - c. SIGNIFICANT DEVIATIONS MADE NECESSARY BY FIELD CONDITIONS, APPROVED EQUIPMENT SUBSTITUTIONS, AND CONTRACTOR'S COORDINATION WITH OTHER TRADES.
- B. DELIVER RECORD DRAWINGS TO THE OWNER AT PROJECT COMPLETION.

1.7 DEMOLITION

- A. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE DEMOLITION OF EXISTING WORK AND THE DEMOLITION PROVIDED BY THE GENERAL CONTRACTOR. COORDINATE WITH THE GENERAL CONTRACTOR ALL EXISTING EQUIPMENT REQUIRED TO BE LEFT INTACT.
- B. THIS CONTRACTOR SHALL INCLUDE AND BE RESPONSIBLE FOR THE REMOVAL OF ALL FIRE PROTECTION, PLUMBING AND HVAC SYSTEMS NOTED ON THE DRAWINGS OR REQUIRED TO ACCOMPLISH THE STATED WORK.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. MATERIALS UTILIZED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE NEW AND CARRY UL LABELS WHERE APPLICABLE, UNLESS APPROVED BY THE OWNER.
- B. ANY USED EQUIPMENT OR MATERIALS USED SHALL STILL CARRY THE SPECIFIED 1 YEAR GUARANTEE AND APPROVAL OF THE USE OF THIS EQUIPMENT OR MATERIALS DOES NOT RELIEVE THE CONTRACTOR FROM ENSURING EVERYTHING IS OPERATIONAL.

2.2 MANUFACTURERS

- A. WHERE TRADE NAMES OR MANUFACTURERS ARE USED ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE EXACT EQUIPMENT SHALL BE CONSIDERED THE BASIS OF DESIGN AND USED AS A MINIMUM FOR THE BASE BID. MANUFACTURERS CONSIDERED AS AN EQUAL OR BETTER IN ALL ASPECTS TO THAT SPECIFIED, WILL BE SUBJECT TO APPROVAL IN WRITING BY THE ENGINEER THROUGH THE SHOP DRAWING SUBMITTAL PROCESS, FOR ACCEPTANCE PRIOR TO INSTALLATION. THE USE OF ANY UNAUTHORIZED EQUIPMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

2.3 SLEEVES

- A. PROVIDE SLEEVES TO PROTECT EQUIPMENT OR FACILITIES IN THE INSTALLATION. EACH SLEEVE SHALL EXTEND THROUGH ITS RESPECTIVE FLOOR, WALL OR PARTITION AND SHALL BE CUT FLUSH WITH EACH SURFACE EXCEPT SLEEVES THAT PENETRATE THE FLOOR, WHICH SHALL EXTEND 2 INCHES ABOVE THE FLOOR.
- B. CONTRACTOR SHALL COORDINATE THROUGH THE GENERAL CONTRACTOR AND OWNER ANY CORE DRILLING OR CUTTING OF OPENINGS IN MASONRY WALLS OR CONCRETE FLOORS.
- C. ALL SLEEVES AND OPENINGS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE FIRED SEALED. REFER TO "FIRE STOPPING"
- D. SLEEVES IN BEARING AND MASONRY WALLS, FLOORS AND PARTITIONS SHALL BE STANDARD WEIGHT STEEL PIPE FINISHED WITH SMOOTH EDGES. FOR OTHER THAN MASONRY PARTITIONS, THROUGH SUSPENDED CEILINGS, OR FOR CONCEALED VERTICAL PIPING, SLEEVES SHALL BE MINIMUM NO. 22 USG GALVANIZED STEEL.

2.4 FLAME SPREAD PROPERTIES OF MATERIALS

- A. MATERIALS USED ON THIS PROJECT SHALL EACH HAVE A FLAME SPREAD RATING OF 25 OR LESS, AND A SMOKE DEVELOPED RATING OF 50 OR LESS, AS DETERMINED BY AN INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH NFPA-255.

2.5 FIRE STOPPING

- A. PROVIDE FIRE STOPPING IN SEALING OF PENETRATIONS IN FIRE-RATED CONSTRUCTION, HORIZONTAL AND VERTICAL, INCLUDING THE FOLLOWING MATERIALS:
 - a. FOAM: DOW CORNING FIRESTOP SILICONE RTV FOAM, CAT #2001 LIQUID COMPONENT PART A (BLACK) AND LIQUID COMPONENT PART B (OFF-WHITE).
 - b. SEALANT: 3M 1000 NS AND 1003 SL SILICONE ADHESIVE SEALANT.
 - c. DAMMING MATERIALS: MINERAL FIBERBOARD, MINERAL FIBER MATTING, MINERAL FIBER PUTTY, PLYWOOD OR PARTICLE BOARD, AS SELECTED BY THE APPLICATOR.
- B. MIXES SHALL CONFORM TO THE MANUFACTURER'S DIRECTIONS.
- 2.6 FLOOR, CEILING AND WALL PLATES
 - A. PROVIDE CHROME-PLATED, ONE-PIECE, ESCUTCHEONS ON PIPES AND HANGER RODS PENETRATING WALLS, FLOORS AND CEILINGS IN FINISHED AREAS OF THE BUILDING. SPLIT RING ESCUTCHEONS ARE NOT ACCEPTABLE.
- 2.7 DIELECTRIC CONNECTIONS
 - A. CONNECTIONS BETWEEN FERROUS AND NON-FERROUS PIPING SYSTEMS, AND BETWEEN FERROUS PIPING SYSTEMS AND NON-FERROUS CONNECTIONS TO EQUIPMENT SHALL BE MADE BY THE USE OF DIELECTRIC UNIONS, COUPLINGS OR FLANGES.
- 2.8 EQUIPMENT FOUNDATIONS AND SUPPORTS
 - A. PROVIDE FOUNDATIONS AND SUPPORTS FOR MECHANICAL EQUIPMENT AS REQUIRED. THESE SHALL INCLUDE REINFORCED CONCRETE HOUSEKEEPING PADS FOR ANY PUMPS OR AIR HANDLING UNITS INSTALLED INDOORS ON THE FLOOR. PADS SHALL EXTEND A MINIMUM OF 3 INCHES BEYOND EQUIPMENT IN ALL DIRECTIONS.

PART 3 - EXECUTION

3.1 SPACE AND EQUIPMENT ARRANGEMENT

- A. EACH CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT THEIR PURCHASED EQUIPMENT WILL FIT THE SPACES AVAILABLE. IN CERTAIN INSTANCES NOTE THAT THE EQUIPMENT IS MENTIONED BY NAME IN THE EQUIPMENT SCHEDULES. IN THESE CASES IT IS THAT EQUIPMENT WHOSE DIMENSIONS AND CONNECTION ARRANGEMENTS HAVE BEEN USED FOR THE PREPARATION OF THE LAYOUTS SHOWN ON THE WORKING DRAWINGS. SHOULD THE USE OF EQUIPMENT BY OTHER APPROVED MANUFACTURERS OR OF OTHER PHYSICAL SHAPE THAN THOSE SHOWN ON THE DRAWINGS BE PROPOSED, THE CONTRACTOR SHALL CONFIRM THE EQUIPMENT WILL FIT WITHIN THE ALLOTTED SPACE WITHOUT ARCHITECTURAL, MODIFICATIONS OR IMPACT ON OTHER TRADES.
- B. ALL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING, AND REPAIRING. PROVIDE SUFFICIENT SERVICE ACCESS TO ALL EQUIPMENT.
- C. BEFORE STARTING WORK THIS CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, STRUCTURAL, POWER, LIGHTING AND FIRE ALARM PLANS, SHOP DRAWINGS AND SPECIFICATIONS TO SEQUENCE, COORDINATE AND INTEGRATE THE VARIOUS ELEMENTS OF THE MECHANICAL SYSTEMS TO AVOID INTERFERENCES AND CONFLICTS.

3.2 MANUFACTURER'S DIRECTIONS

- A. THE MANUFACTURER'S PUBLISHED DIRECTIONS SHALL BE FOLLOWED IN THE DELIVERY, STORAGE, PROTECTION, INSTALLATION, PIPING AND WIRING OF ALL EQUIPMENT AND MATERIAL. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER IN WRITING OF ANY CONFLICT BETWEEN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND THE MANUFACTURER'S DIRECTIONS, AND SHALL OBTAIN INSTRUCTIONS BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PERFORM ANY WORK BEFORE RECEIVING SUCH INSTRUCTIONS, HE SHALL BEAR ALL COSTS ARISING IN CONNECTION WITH THE DEFICIENCIES.

3.3 CONSTRUCTION REQUIREMENTS

- A. THE DRAWINGS AND SPECIFICATIONS SHOW PIPE AND DUCT SIZES, GENERAL ROUTING AND LOCATION, AND DESCRIBE THE VARIOUS SYSTEMS. THESE DOCUMENTS DESCRIBE AND SIZE EQUIPMENT, ITS GENERAL LOCATION, USAGE, SUPPORT AND AUXILIARY REQUIREMENTS. THEY DESCRIBE MOST, BUT NOT ALL OF THE MATERIALS AND THEIR USAGE FOR THIS PROJECT.
- B. CONTRACT DOCUMENTS DO NOT DETAIL ALL JOB REQUIREMENTS. THEY DO NOT SHOW LAYOUTS, LOCATIONS OR ELEVATIONS OF DUCTS, ANCHORS, SLEEVES, HANGERS, UNDERFLOOR DRAINS, OR ACCESS DOORS. THEY DO NOT SHOW FINAL PRECISE LOCATIONS OF EQUIPMENT BY DIMENSIONS IN ALL INSTANCES.
- C. THE EXACT LOCATION OF EACH ITEM SHALL BE DETERMINED BY REFERENCE TO THE PROJECT CONTRACT DRAWINGS, AND TO DETAILS, EQUIPMENT DRAWINGS, AND ROUGH-IN DRAWINGS, BY MEASUREMENTS AT THE BUILDING, AND IN COOPERATION WITH THE VARIOUS TRADES. MINOR RELOCATION NECESSITATED BY THE CONDITIONS AT THE SITE OR DIRECTED BY THE OWNER SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER. WHERE CONFLICTS OCCUR, WORK WITH ALL INVOLVED TRADES AND RESOLVE THE CONFLICT PRIOR TO ERECTION OF ANY WORK IN THE AREA INVOLVED.

3.4 FABRICATION OF PIPE

- A. PIPING SHALL FOLLOW AS CLOSELY AS POSSIBLE THE ROUTES SHOWN ON THE DRAWINGS, TAKING INTO CONSIDERATION CONDITIONS TO BE MET AT THE SITE.
- B. SHOULD ANY UNFORESEEN CONDITIONS ARISE, PIPING SHALL BE CHANGED OR REROUTED AS REQUIRED AFTER PROPER APPROVAL HAS BEEN OBTAINED BY OWNER.
- C. PIPING SHALL BE CLEANED WHEN IT IS INSTALLED. BEFORE INSTALLATION IT SHALL BE CHECKED, UP ENDED, SWABBED IF NECESSARY, AND ANY RUST AND DIRT REMOVED.

3.5 EQUIPMENT FOUNDATIONS, HANGERS AND SUPPORTS

- A. FOR FLOOR MOUNTED MECHANICAL EQUIPMENT, PROVIDE CONCRETE HOUSEKEEPING PADS NOT LESS THAN 3-1/2 INCH THICK REINFORCED WITH NO. 3 DOWELS AND NO. 3 BARS, 2 FEET-0 INCHES ON CENTER EACH WAY.
- B. SUSPENDED EQUIPMENT SHALL HAVE SUPPORTS CONSISTING OF MANUFACTURED METAL FRAMING OR HANGERS CONFORMING TO SECTION 220529.

3.6 INSTRUCTIONS OF OWNER'S PERSONNEL

- A. PROVIDE THE SERVICES OF COMPETENT ENGINEERS OR TECHNICIANS TO INSTRUCT REPRESENTATIVES OF THE OWNER IN COMPLETE AND DETAILED OPERATION AND MAINTENANCE OF EACH ITEM OF EQUIPMENT AND EACH SYSTEM.
- B. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PROPER MAINTENANCE OF EQUIPMENT AND SYSTEMS UNTIL THE INSTRUCTIONS HAVE BEEN GIVEN BY THE OWNER'S PERSONNEL AND THE LETTER OF RELEASE ACKNOWLEDGED.
- C. PROVIDE OPERATION & MAINTENANCE MANUALS (3 COPIES), ALONG WITH AS-BUILT SET OF PRINTS PRIOR TO SUBSTANTIAL COMPLETION OF THE PROJECT.

3.7 ELECTRIC WIRING OF MOTORS AND EQUIPMENT

- A. LOW VOLTAGE HVAC CONTROL WIRING WILL BE INSTALLED BY THE HVAC CONTRACTOR WITH FINAL CONNECTION TO THE HVAC EQUIPMENT BY THE HVAC CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL DISCONNECT SWITCHES AS REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT UNLESS SUCH EQUIPMENT IS SPECIFIED TO BE PROVIDED WITH FACTORY MOUNTED DISCONNECT SWITCHES.
- B. THE ELECTRICAL DESIGN AND DRAWINGS ARE BASED ON THE EQUIPMENT SCHEDULED AND SHOWN ON THE DRAWINGS, SHOULD ANY CONTRACTOR SUBMIT FOR APPROVAL EQUIPMENT REQUIRING CHANGES TO THE ELECTRICAL DESIGN FOR WHICH THE ELECTRICAL CONTRACTOR WILL REQUEST AN EXTRA, THIS EXTRA SHALL BE PAID BY THE CONTRACTOR PROVIDING THE ALTERNATE EQUIPMENT REQUIRING THE CHANGE.

3.8 QUIET OPERATION

- A. THIS WORK SHALL BE INSTALLED IN SUCH A MANNER THAT UNDER ALL CONDITIONS OF LOAD IT SHALL OPERATE WITHOUT SOUND OR VIBRATION, WHICH IS OBJECTIONABLE IN THE OCCUPIED SPACES IN THE OPINION OF THE OWNER. IN THE CASE OF MOVING MACHINERY, SOUND OR VIBRATION ANNOYINGLY NOTICEABLE INSIDE ITS OWN ROOM CAN BE CONSIDERED AS OBJECTIONABLE. IN ANY CASE, SITUATION SHALL BE REMEDIATED AT NOT COST TO THE OWNER.

3.9 CUTTING AND PATCHING

- A. PROVIDE ALL CUTTING, CHASING AND CHANNELING REQUIRED FOR ANY WORK UNDER THIS DIVISION. CUTTING SHALL HAVE PRIOR APPROVAL FROM ARCHITECT AND OWNER.
- B. ALL PATCHING SHALL BE BY GENERAL CONTRACTOR AND SHALL MATCH THE SURROUNDING SURFACES.

3.10 TESTS

- A. THE CONTRACTOR INSTALLING THE PLUMBING SYSTEMS SHALL FOLLOW ALL TESTS AS REQUIRED TO PROVE COMPLIANCE WITH ALL LOCAL CODES. TESTS PERFORMED SHALL BE EQUAL TO OR EXCEED THAT HEREINAFTER SPECIFIED. ALL PIPING SYSTEMS SHALL BE TESTED BEFORE THEY ARE COVERED OR MADE UNAVAILABLE FOR THE COMPLETE INSPECTION OF ALL JOINTS. IN ADDITION TO THE ABOVE, EACH AND EVERY SYSTEM TO BE INSULATED SHALL BE THOROUGHLY TESTED BEFORE THE INSTALLATION IS APPLIED.
- B. DOMESTIC WATER PIPING SYSTEM: UPON COMPLETION OF A SECTION OF THE ENTIRE WATER SUPPLY SYSTEM, IT SHALL BE TESTED AND PROVED TIGHT UNDER A WATER PRESSURE OF 125 PSIG, BUT NOT LESS THAN 10 PERCENT IN EXCESS OF THE WORKING PRESSURE UNDER WHICH IT IS TO BE USED. THE WATER USED FOR TESTS SHALL BE OBTAINED FROM A POTABLE SOURCE OF SUPPLY.
- C. SANITARY SYSTEMS: ALL SANITARY SEWER SYSTEMS SHALL BE TESTED EITHER IN SECTIONS OR IN THEIR ENTIRETY IN ACCORDANCE WITH ALL THE REQUIREMENTS OF THE LOCAL PLUMBING CODE AND TO THE SATISFACTION OF THE LOCAL PLUMBING INSPECTOR. THESE TESTS SHALL BE EXAMINED IF DESIRED BY THE ARCHITECT OR HIS REPRESENTATIVE DURING THE TEST PERIOD AND AMPLE NOTICE OF PERFORMANCE OF THESE TESTS SHALL BE GIVEN.

END OF SECTION.

SECTION 220523 - GENERAL DUTY VALVES

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 220500.

PART 2 - PRODUCTS

2.1 WATER SYSTEM VALVES

- A. DOMESTIC, CHILLED, HOT, AND CONDENSER WATER SYSTEMS: PROVIDE VALVES, WHERE SHOWN ON THE DRAWINGS AND ELSEWHERE AS SPECIFIED OR REQUIRED, TO PROVIDE ISOLATION OF EQUIPMENT AND FIXTURES AND TO PROVIDE DRAINAGE OF LOW POINTS IN WATER LINES. VALVES SHALL BE IN ACCORDANCE WITH THE FOLLOWING DETAILED SPECIFICATIONS:
 - a. SIZES 2 INCH AND SMALLER: BALL VALVE: NIBCO 585-70, FULL PORT, BRONZE BODY WITH STAINLESS STEEL TRIM.
 - b. SIZES 2 INCH AND SMALLER: CHECK VALVE: NIBCO S-433 CLASS 150, BRONZE.
 - c. SIZES 2-1/2 INCH AND LARGER: BUTTERFLY VALVE: NIBCO LC2000 LUG STYLE, CAST IRON, 200 PSIG WITH STAINLESS STEEL TRIM AND EPDM SEAT.
 - d. SIZES 2-1/2 INCH AND LARGER: CHECK VALVE: NIBCO F-918-B CAST IRON, FLANGED, 200 PSIG WITH BRONZE TRIM.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, AND IN SUCH MANNER AS TO PERMIT DISASSEMBLY, REMOVAL, REASSEMBLY AND REPLACEMENT.

END OF SECTION.

SECTION 220529 - HANGERS AND SUPPORTS

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 220500.

PART 2 - PRODUCTS

2.1 GENERAL

- A. PIPE HANGERS AND SUPPORTS SHALL CONFORM TO THE RECOMMENDATIONS OF ASHRAE, ASPE, ANSI AND MSS.
- B. PROVIDE FACTORY-FABRICATED PIPE HANGERS AND SUPPORTS IN WHICH MATERIALS, DESIGN AND MANUFACTURE COMPLY WITH ANS/MSS SP-58. SELECT AND APPLY PIPE HANGERS AND SUPPORTS IN COMPLIANCE WITH MSS SP-69, AND MANUFACTURER'S PUBLISHED PRODUCT INFORMATION. FABRICATE AND INSTALL PIPE HANGERS AND SUPPORTS IN COMPLIANCE WITH MSS SP-89.
- C. USE ONLY ONE TYPE OF HANGER AND SUPPORT, BY ONE MANUFACTURER, FOR EACH PIPING SERVICE.
- D. PROVIDE COPPER-PLATED HANGERS AND SUPPORTS FOR COPPER PIPING SYSTEMS WHERE HANGERS ARE IN CONTACT WITH BARE PIPE.
- E. PROVIDE PROTECTIVE COATINGS ON HANGERS AND SUPPORTS WHEN LOCATED IN OUTDOOR AND/OR CORROSIVE ENVIRONMENTS. PROTECTIVE COATINGS SHALL BE AS RECOMMENDED BY THE COATING MANUFACTURER'S REQUIREMENTS.

2.2 HORIZONTAL PIPING HANGERS AND SUPPORTS

- A. SELECT SIZE OF HANGERS AND SUPPORTS TO EXACTLY FIT PIPE SIZE FOR BARE PIPING, AND AROUND PIPING INSULATION WITH SADDLE OR SHIELD FOR INSULATED PIPING.

2.3 HANGER ROD ATTACHMENTS

- A. SELECT SIZE OF HANGER ROD ATTACHMENTS TO SUIT HANGER RODS.

2.4 BUILDING ATTACHMENTS

- A. SELECT SIZE AND TYPE OF BUILDING ATTACHMENTS TO SUIT HANGER RODS AND STRUCTURE.

2.5 PIPE INSULATION HANGER SHIELD INSERTS AND SHIELDS

- A. THERMAL HANGER INSERTS SHALL BE DESIGNED TO PREVENT INSULATION FROM BEING CRUSHED BY THE WEIGHT OF THE PIPING AND CONTENTS.
- B. SHIELDS SHALL BE FIELD OR FACTORY FABRICATED OF GALVANIZED SHEET METAL.

PART 3 - EXECUTION

3.1 PREPARATION

- A. PROCEED WITH INSTALLATION OF HANGERS, SUPPORTS AND ANCHORS ONLY AFTER REQUIRED BUILDING STRUCTURAL WORK HAS BEEN COMPLETED IN AREAS WHERE THE WORK IS TO BE INSTALLED.
- 3.2 INSTALLATION OF BUILDING ATTACHMENTS
 - A. INSTALL BUILDING ATTACHMENTS AT REQUIRED LOCATIONS, ON STRUCTURE FOR PROPER SUPPORT. SPACE ATTACHMENTS WITHIN MAXIMUM PIPING SPAN LENGTH SPECIFIED IN THIS SECTION. INSTALL ADDITIONAL BUILDING ATTACHMENTS WHERE SUPPORT IS REQUIRED FOR ADDITIONAL CONCENTRATED LOADS, INCLUDING VALVES, FLANGES, GUIDES, STRAINERS AND EXPANSION JOINTS. ALSO PROVIDE ATTACHMENTS AT CHANGES IN DIRECTION OF PIPING AND WHERE REQUIRED BY A LIMITED CARRYING CAPACITY OF THE STRUCTURE.
- 3.3 INSTALLATION OF HANGERS AND SUPPORTS
 - A. INSTALL HANGERS, SUPPORTS, CLAMPS AND ATTACHMENTS TO SUPPORT PIPING PROPERLY FROM BUILDING STRUCTURE IN COMPLIANCE WITH MSS SP-69. ARRANGE THE GROUPING OF PARALLEL RUNS OF HORIZONTAL PIPING TO BE SUPPORTED TOGETHER IN TRAPEZE-TYPE HANGERS WHERE POSSIBLE. WHERE PIPING OF VARIOUS SIZES ARE TO BE SUPPORTED TOGETHER BY TRAPEZE HANGERS, SPACE HANGERS FOR SMALLEST PIPE SIZE OR INSTALL INTERMEDIATE SUPPORTS FOR SMALL DIAMETER PIPE. DO NOT USE WIRE OR PERFORATED METAL TO SUPPORT PIPING, AND DO NOT SUPPORT PIPING FROM OTHER PIPING.
 - B. INSTALL HANGER AND SUPPORTS COMPLETE WITH NECESSARY BOLTS, RODS, NUT WASHERS AND OTHER ACCESSORIES. EXCEPT AS OTHERWISE INDICATED FOR EXPOSED CONTINUOUS PIPE RUNS, INSTALL HANGERS AND SUPPORTS OF SAME TYPE AND STYLE AS INSTALLED FOR ADJACENT SIMILAR PIPING.
 - C. SUPPORT FIRE PROTECTION WATER PIPING INDEPENDENTLY OF OTHER PIPING.

3.4 PROVISIONS FOR MOVEMENT

- A. INSTALL HANGERS AND SUPPORTS TO ALLOW MOVEMENT OF PIPING SYSTEMS AND TO PERMIT FREEDOM OF MOVEMENT BETWEEN PIPE, ANCHORS, AND TO FACILITATE ACTION OF EXPANSION JOINTS, EXPANSION LOOPS, OFFSETS, EXPANSION BENDS AND SIMILAR UNITS.
- B. INSTALL HANGERS AND SUPPORTS SO THAT PIPING, LOADING, AND STRESSES FROM MOVEMENT WILL NOT BE TRANSMITTED TO CONNECTED EQUIPMENT

3.5 INSULATED PIPING REQUIREMENTS

- A. HANGERS FOR INSULATED COLD PIPING SHALL BE PLACED AROUND THE OUTSIDE OF THE INSULATION AND VAPOR BARRIER.
 - a. PROVIDE A 180 DEGREE THERMAL INSERT ON THE BOTTOM OF THE PIPE. EXTEND VAPOR BARRIER ON TOP OF INSERT AND INSULATION AND PROVIDE INSULATION SHIELD BETWEEN INSERT AND HANGER.
- B. HANGERS FOR OTHER INSULATED PIPING MAY BE PLACED DIRECTLY AGAINST THE PIPING WITH INSULATION CARRIED COMPLETELY OVER AND AROUND HANGER AND ROD.

3.6 HANGER SPACING AND ROD SIZES

- A. HANGERS SHALL BE SPACED SO AS TO SUPPORT PIPING PROPERLY. CAST IRON SOIL PIPES SHALL BE SUPPORTED ON HANGERS SPACED NOT MORE THAN PIPE LENGTH BEING EMPLOYED. HANGERS FOR ALL OTHER COPPER OR STEEL PIPING SHALL BE SPACED ACCORDING TO THE FOLLOWING SCHEDULE:

PIPE SIZE	MAXIMUM HANGER SPACING	MINIMUM ROD SIZE
3/4 INCH	5 FEET	3/8 INCH
1 INCH	6 FEET	3/8 INCH
1-1/4 INCH	6 FEET	3/8 INCH
1-1/2 INCH	8 FEET	3/8 INCH
2 INCH AND LARGER	8 FEET	1/2 INCH
- C. AT NO TIME SHALL ANY SECTION OF PIPE HAVE LESS THAN TWO SUPPORTS.

END OF SECTION.

SECTION 220531 - IDENTIFICATION

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 220500.
- B. LABEL ALL NEW EQUIPMENT AND PIPING SYSTEMS.

PART 2 - PRODUCTS

2.1 PIPE LABELS

- A. PRETENSION PIPE LABELS OF SEMI-RIGID PLASTIC FORMED TO COVER THE FULL CIRCUMFERENCE OF PIPE.
- B. IDENTIFY THE SERVICE AND DIRECTION OF FLOW. LABELS SHALL CONTAIN AT LEAST 1/2 INCH HIGH LETTERING AND BE PLACED SO THEY ARE EASY TO READ.

2.2 VALVE TAGS

- A. MULTILAYER, MULTICOLOR PLASTIC LABELS WITH MECHANICAL ENGRAVING AND CHAIN FOR ATTACHMENT TO VALVE.

2.3 EQUIPMENT LABELS

- A. MULTILAYER, MULTICOLOR PLASTIC LABELS WITH MECHANICAL ENGRAVING AND HOLES FOR ATTACHMENT TO EQUIPMENT.

PART 3 - EXECUTION

3.1 PIPE LABELS

- A. INSTALL PIPE LABELS WHERE PIPING IS EXPOSED OR ABOVE AN ACCESSIBLE CEILING AT MAXIMUM 20 FT. CENTERS.

3.2 VALVE TAGS

- A. ATTACH TAGS TO VALVES USING CHAIN. PROVIDE A VALVE SCHEDULE FOR MOUNTING IN THE MECHANICAL ROOM.

3.3 EQUIPMENT LABELS

- A. PERMANENTLY ATTACH LABELS TO EQUIPMENT. LOCATE WHERE LABEL CAN BE EASILY SEEN AND READ.

END OF SECTION.

SECTION 221116 - DOMESTIC WATER PIPING

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. REFER TO SECTION 220500

PART 2 - PRODUCTS

2.1 COPPER PIPING

- A. PROVIDE SOFT COPPER TUBE, TYPE "K", WITH SOLDER-JOINT FITTINGS FOR UNDER SLAP INSTALLATIONS.
- B. PROVIDE HARD COPPER TUBE, TYPE "L", WITH SOLDER JOINT FITTINGS FOR ALL ABOVE GRADE INSTALLATIONS.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. CLEAN AND DISINFECT ALL NEW PIPING WITH WATER/CHLORINE SOLUTION.
- B. INSTALL WATER PIPING LEVEL AND PLUMB. PROVIDE DRAIN VALVES AT ALL LOW POINTS.
- C. PIPING BELOW SLAB SHALL BE INSTALLED WITHOUT JOINTS.

END OF SECTION.

SECTION 221316 - SANITARY WASTE AND VENT PIPING

PART 1 - GENERAL

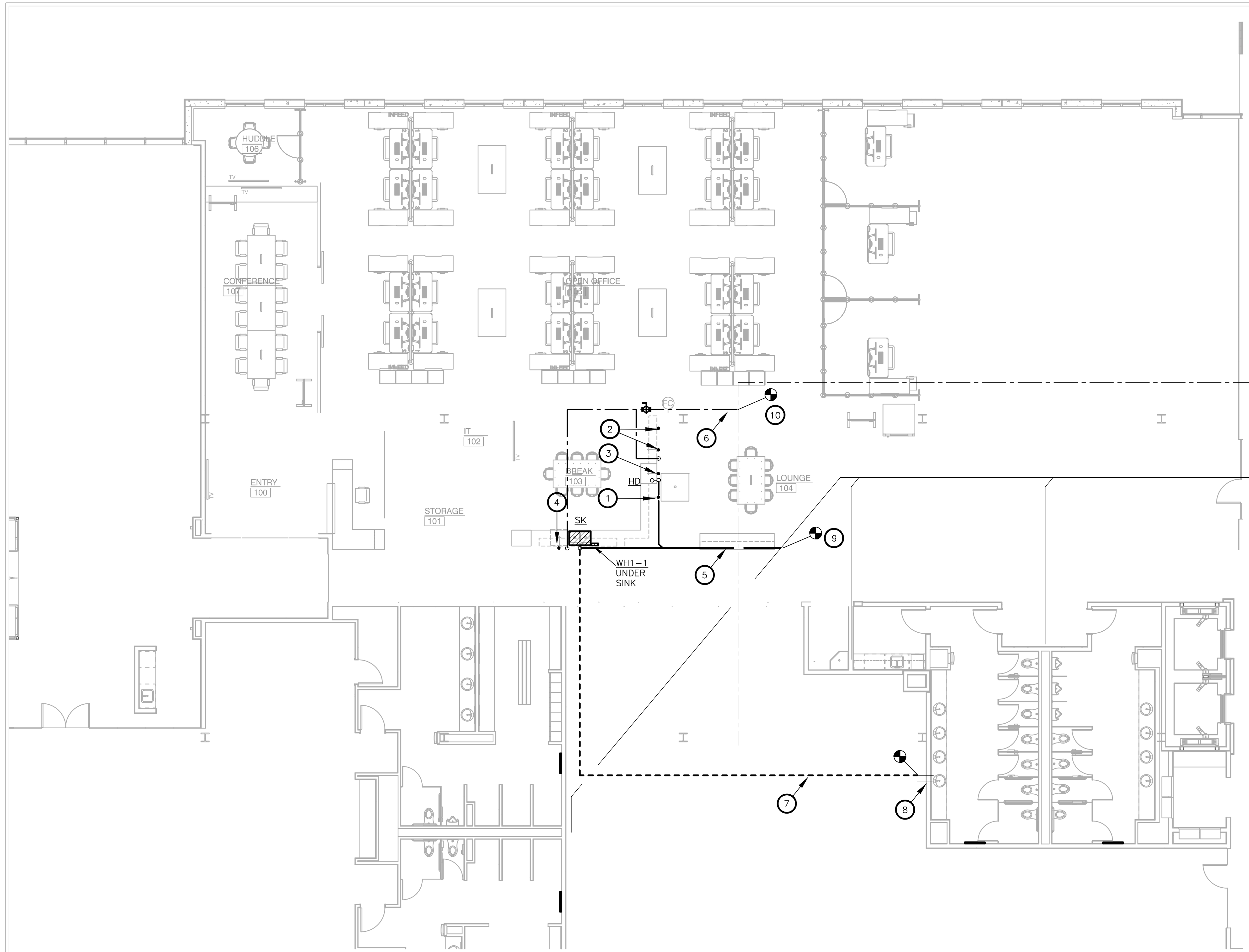
1.1 SCOPE OF WORK

- A. REFER TO SECTION 220500

PART 2 - PRODUCTS

2.1 EXISTING CONDITIONS

- A. PROVIDE P



1 LEVEL 01 PLUMBING PLAN
SCALE: 1/8"=1'-0"

NOTES BY SYMBOL (X):

1. PROVIDE COLD WATER WITH VALVE TO ASSE 1022 COMPLIANT BACKFLOW PREVENTER AND EXTEND 1/4" COPPER TUBING UP THRU COUNTER TOP TO COFFEE MAKER. VERIFY WITH ARCHITECT EXACT LOCATION OF COFFEE MAKER ON COUNTER.
2. PROVIDE COLD WATER WITH VALVE AND EXTEND 1/4" COPPER TUBING TO REFRIGERATOR/ICE MAKER.
3. PROVIDE COLD WATER WITH VALVE TO ASSE 1022 COMPLIANT BACKFLOW PREVENTER AND EXTEND 1/4" COPPER TUBING TO ICE MAKER. EXTEND CONDENSATE DRAIN LINE FROM ICE MAKER TO HUB DRAIN. PROVIDE PUMP AS REQUIRED.
4. PROVIDE HOT WATER WITH VALVE TO ASSE 1022 COMPLIANT BACKFLOW PREVENTER THEN TO DISHWASHER. EXTEND DISHWASHER DRAIN LINE AND CONNECT TO P-TRAP FITTING IN SINK WASTE.
5. RUN NEW SANITARY PIPING TO INDICATED EXISTING LOCATION. VERIFY EXACT LOCATION AND ROUTING AT JOB SITE.
6. RUN NEW DOMESTIC WATER PIPING TO INDICATED EXISTING LOCATION. VERIFY EXACT LOCATION AND ROUTING AT JOB SITE. PROVIDE SHUT-OFF VALVE IN THE NEW DOMESTIC WATER LINE FOR FUTURE CONNECTION.
7. RUN NEW VENT PIPING TO INDICATED EXISTING LOCATION. VERIFY EXACT LOCATION AND ROUTING AT JOB SITE.
8. LOCATION OF BUILDING WET STACK STUB-OUTS. VERIFY EXACT LOCATIONS, SIZE AND FIELD CONDITIONS AT WET STACK LOCATION FOR PROPER CONNECTION PRIOR TO ANY INSTALLATION.
9. LOCATION OF EXISTING MAIN SANITARY LINE. VERIFY EXACT LOCATIONS, SIZES, INVERTS AND FIELD CONDITIONS FOR PROPER CONNECTION.
10. LOCATION OF EXISTING MAIN DOMESTIC WATER LINE. VERIFY EXACT LOCATIONS, SIZES, INVERTS AND FIELD CONDITIONS FOR PROPER CONNECTION.



PROJECT NO: 581-005
DRAWN BY: RH
CHECKED BY: KS
R.S.F.: 5.757



**3501 OLYMPUS
KFM**

3501 OLYMPUS BLVD.
SUITE #100
DALLAS, TX 75019

NO.	ISSUED FOR:	DATE:

LANDLORD/CLIENT REVIEW ISSUE D0 09/29/20
BID ISSUE DATE: 09/29/20
PERMIT ISSUE DATE: 09/29/20

Purdy - McGuire
Mechanical - Electrical Engineers
17300 North Dallas Parkway
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Dallas, Texas 75248-1147
Firm Registration # F-1511
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PMI JOB NO. 20067.002
PROJECT MGR. TODD JOHNSON
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DRAWING TITLE:
**LEVEL 01 PLUMBING
PLAN**

DRAWING NUMBER:

P2.01