



Interior Renovation to: Hearing Evaluation Services of Buffalo

S.A. PROJECT # 21035.02
DATE: 07-29-2021

2545 Sheridan Dr., Tonawanda, NY 14150

ARCHITECT:

SILVESTRI ARCHITECTS, P.C.

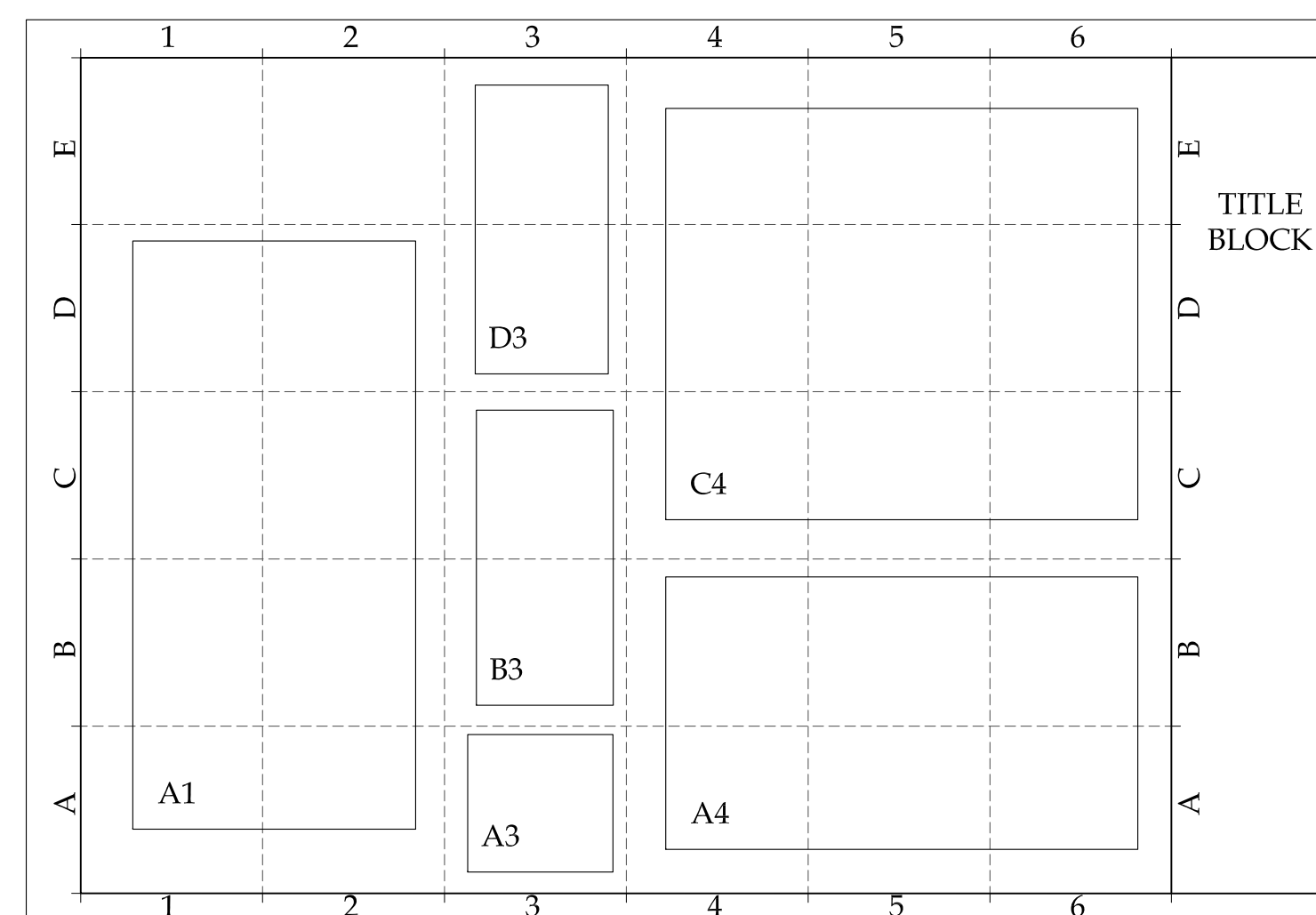
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MEP ENGINEER:

EBS ENGINEERING, P.C.

2568 WALDEN AVENUE, SUITE 107
CHEEKTOWAGA, NY 14225

DRAWING AREA LOGIC



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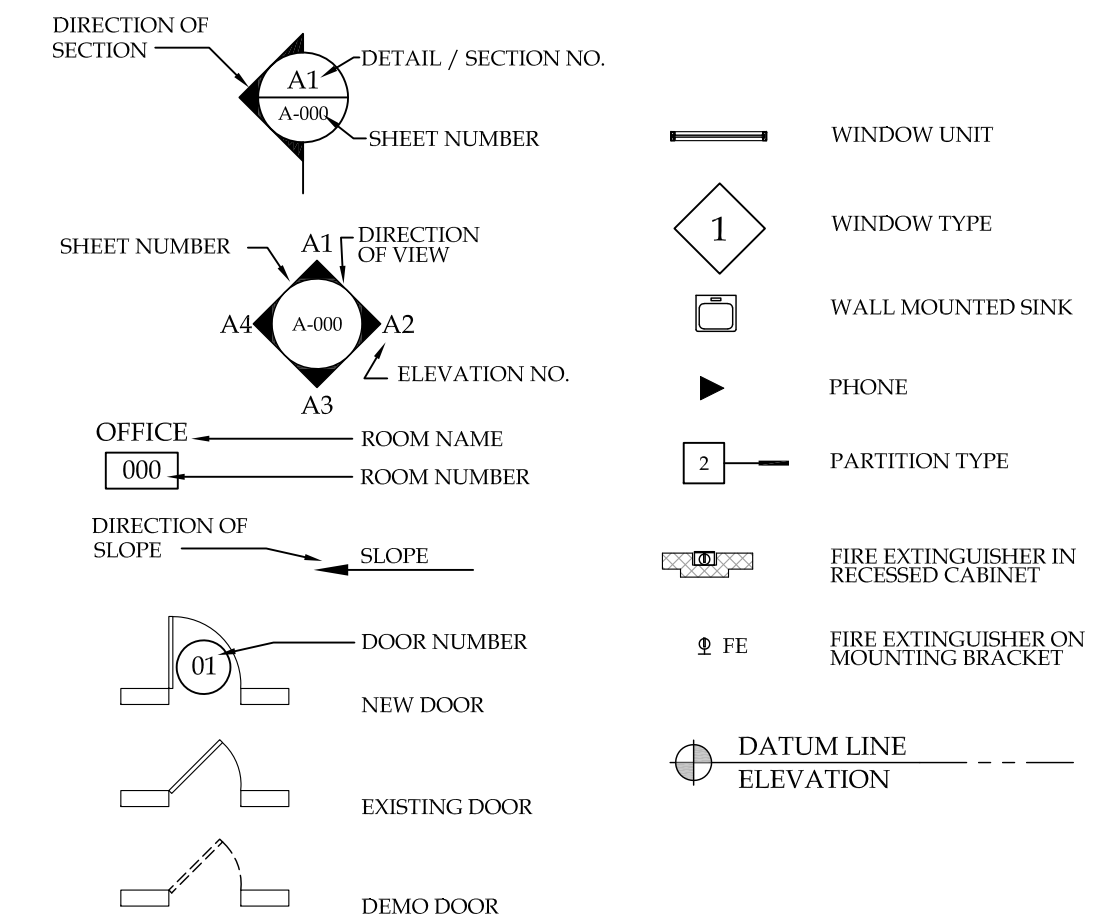
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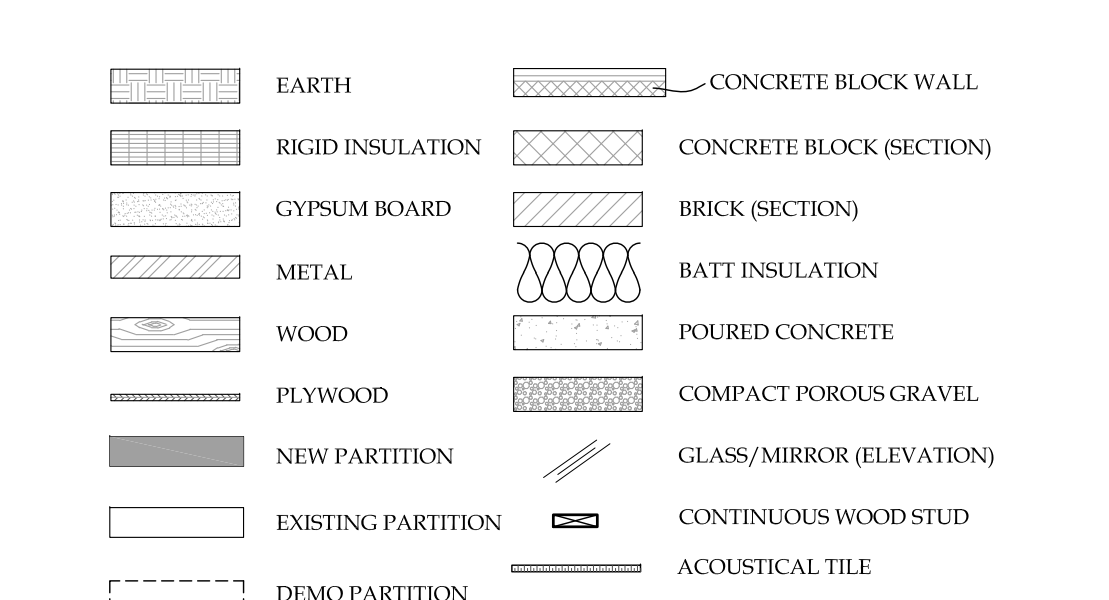
ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	N.I.C.	NOT IN CONTRACT
ACT.	ACOUSTICAL TILE	N.T.S.	NOT TO SCALE
A.C.	AIR CONDITION	NOM.	NOMINAL
ALT.	ALTERNATE	NO.	NUMBER
ALUM.	ALUMINUM	O.C.	ON CENTER
APPROX.	APPROXIMATE	OPNG.	OPENING
ARCH.	ARCHITECTURAL	OPP.	OPPOSITE
AUTO.	AUTOMATIC	OPPH.	OPPOSITE HAND
BM.	BEAM	OH.	OVERHEAD
BRG.	BEARING	P.M.B.C.	PREENGINEERED METAL BUILDING CONTRACTOR
B.M.	BENCH MARK	PNT.	PANEL
BLK.	BLOCK	P.N.T.	PAPER TOWEL DISPENSER
B.L.G.	BLOCKING	P.T.D.	PAPER TOWEL RECEPTOR
BD.	BOARD	P.T.K.	PAVEMENT
BDT.	BOTTOMS	P.C. BD.	PLASTER
BRK.	BRICK	PLAS.	PLASTIC LAMINATE
B.E.J.	BRICK EXPANSION JOINT	PL.	PLATE
B.C.	BRICK COURSE	P.L.	POLISHED
B.L.G.	BUILDING	P.W.D.	PLYWOOD
BUR.	BUILT-UP ROOFING	PT.	POINT
CLG.	CEILING	PSI.	POUNDS PER SQ. INCH
CAB.	CABINET	PSF.	POUNDS PER SQ. FOOT
CPT.	CARPET	P.P.	PRE-FABRICATED
C.W.	CASEWORK	PRE. FAB.	PRE-FINISHED
C.B.	CATCH BASIN	PROJ.	PROJECTION
CEM.	CEMENT	PL.	PROPERTY LINE
CT.	CERAMIC TILE	QT.	QUARRY TILE
CHBD.	CHALK BOARD	RAD.	RADIUS
CLR.	CLEAR	R.W.L.	RAIN WATER LEADER
CONC.	CONCRETE	RECT.	RECEPTACLE, ELECTRIC
CONJ.	CONCRETE MASONRY UNIT	REC.	RECESS
CONTR.	CONTRACTOR	REFR.	REFRIGERATOR
CONTR.	CONTRACTOR	REG.	REGISTER
C.G.	CORNER GUARD	REINP.	REINFORCE (D) (ING)
CRS.	COURSE	REQ'D.	REQUIRED
DET.	DETAIL	RES.	RECESS (ED)
DIA.	DIAMETER	REFL.	REFLECTED CEILING PLAN
DIM.	DIMENSION	RET.	RETURN
DISP.	DISPENSER	RA.	RETURN AIR
DN.	DOWN	RVS.	REVERSE
DS.	DOWNSPOUT	RH.	RIGHT HAND
DWG.	DRAWING	ROW.	RIGHT OF WAY
D.F.	DRINKING FOUNTAIN	RISER.	RISER
DIFF.	DIFFUSER	R.D.	ROOF DRAIN
EA.	EACH	REG.	ROOFING
E.P.S.	EXTERIOR INSULATION & FINISH SYSTEM	RM.	ROOM
ELEC.	ELECTRICAL	RND.	ROUND
EPNL.	ELECTRICAL PANEL	SDL.	SADDLE
EL.	ELEVATOR	STG.	SEATING
ELEV.	ELEVATION	SHHH.	SHEATHING
EQ.	EQUAL	SHT.	SHEET
EX.F.	EXISTING FAN	SHR.	SHOWER
EXIST.	EXISTING	SIM.	SIMILAR
EXP. JT.	EXPANSION JOINT	SPKR.	SPEAKER
FB.	FACE BRICK	SPEC.	SPECIFICATIONS
FN.	FINISH (ED)	SQ.	SQUARE
F.A.	FIRE ALARM	SET.	STAINLESS STEEL
F.E.C.	FIRE EXTINGUISHER CABINET	ST.	STANDARD
F.H.C.	FIRE HOSE CABINET	STD.	STORM DRAIN
F.F.	FIRE PROOFING	STRUC.	STRUCTURAL
FL.	FLOOR	SUSP.	SUSPENDED
F.D.	FLOOR DRAIN	SWB.	SWITCH BOARD
FT.	FOOT	SV.	SHEET VINYL
F.W.C.	FACE WALL COVERING	T.B.	TACKBOARD
FTG.	FOOTING	TEL.	TELEPHONE
FDTN.	FOUNDATION	TEMP.	TEMPERATURE
FUR.	FURRING	TEX.	TEXTURE
GAL.	GALLON	THK.	THICK (NESS)
G.A.	GENERAL CONTRACTOR	THR.	THRESHOLD
GL.	GLASS	TP.	TOILET PAPER HOLDER
G.B.	GRAB BAR	T/O.	TOP OF
G.W.B.	GYP-SUM WALL BOARD	T.B.	TOWEL BAR
GYP.	GYP-SUM	TYP.	TYPICAL
H.W.	HARDWARE	U.C.L.	UNDER CABINET LIGHT
H.D. WD.	HARDWOOD	U.C.	UNDERCUT
HVAC.	HEATING, VENTILATING, & AIR CONDITIONING	UR.	URINAL
HT.	HEIGHT	V.T.R.	VENT THRU ROOF
HC.	HOLLOW CORE	VENT.	VENTILATOR
HM.	HOLLOW METAL	VERT.	VERTICAL
HORIZ.	HORIZONTAL	VEST.	VESTIBULE
HB.	HOSE BIB	V.C.T.	VINYL COMPOSITE TILE
H.W.	HOT WATER	V.I.F.	VERIFY IN FIELD
INSUL.	INSULATE (D) (ION)	W.C.	W.C.D.F.
INS. GL.	INSULATED GLASS	W/W.	WITH
IAN.	IANTHOR	W/O.	WITHOUT
IT.	JOINT	WD.	WOOD
KIT.	KITCHEN	WS.	WEATHER STRIP
KO.	KNOCK OUT	WT.	WEIGHT
LAM.	LAMINATED	W/W.	WELDED WIRE FABRIC
LAV.	LAVATORY	W.C.D.F.	WHEELCHAIR DRINKING FOUNTAIN
LH.	LEFT HAND	W/.	WITH
LGT.	LENGTH	W/O.	WITHOUT
LGT.	LIGHT	WD.	WOOD
L.E.	LINEAR FEET	WSCT.	WAINSCOT
LTL.	LINEAL	WS.	WEATHER STRIP
LL.	LINE LOAD	W.	WELDED WIRE FABRIC
LLH.	LONG LEG HORIZONTAL	W.C.D.F.	WHEELCHAIR DRINKING FOUNTAIN
LLV.	LONG LEG VERTICAL	W/.	WITH
L.M.F.	LIGHT GAUGE METAL FRAMING	W/O.	WITHOUT
LVR.	LOWER	WD.	WOOD
L.P.	LOW POINT		
MACH.	MACHINE		
M.H.	MANHOLE		
MFR.	MANUFACTURE		
MAS.	MASONRY		
M.O.	MASONRY OPENING		
MATL.	MATERIAL		
MAX.	MAXIMUM		
MECH.	MECHANICAL		
MEMB.	MEMBRANE		
MET.	METAL		
M.T.P.	METAL TOILET PARTITION		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MULL.	MULLION		

DRAFTING SYMBOLS



MATERIAL SYMBOLS



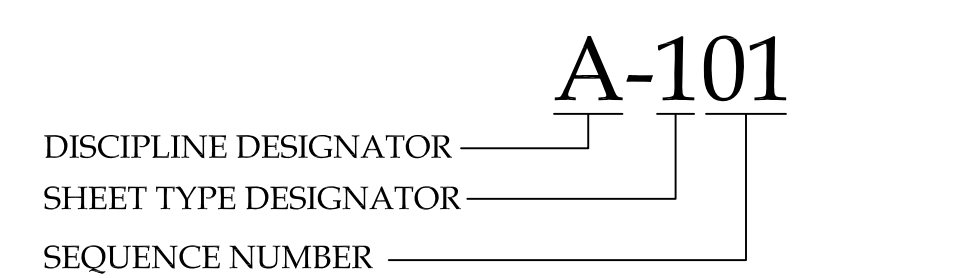
BUILDING DATA

LEVEL 2 ALTERATION
OCCUPANCY CLASSIFICATION: B
CONSTRUCTION TYPE: IIB
GROSS PROJECT AREA: 2,035 SF
OCCUPANT LOAD: 14 PEOPLE

ISSUE

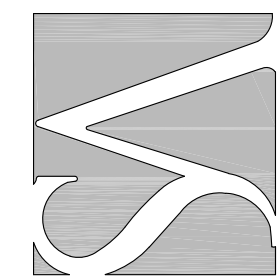
BID/PERMIT

SHEET IDENTIFICATION LOGIC



DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR
G	GENERAL	0	GENERAL
C	CIVIL	1	PLANS
L	LANDSCAPE	2	ELEVATIONS
S	STRUCTURAL	3	SECTIONS
A	ARCHITECTURAL	4	LARGE SCALE VIEWS
F	FIRE PROTECTION	5	DETAILS
P	PLUMBING	6	SCHEDULES & DIAGRAMS
M	MECHANICAL		
E	ELECTRICAL		

Interior Renovation to:
Hearing Evaluation Services of Buffalo
2545 Sheridan Dr., Tonawanda, NY 14150



S.A. PROJECT # 21035.02
DATE: 07-29-2021
SA PROJECT TEAM: PRINCIPAL: P.Silvestri PROJ. ARCHITECT: _____ JOB CAPTAIN: J. Somers INTERIORS: N.Catuza

- DEMOLITION KEY NOTES**
1. REMOVE WALL IN ITS ENTIRETY. PREPARE ADJACENT SURFACES FOR NEW WORK AS REQUIRED.
 2. REMOVE PORTION OF WALL AS INDICATED. PREPARE ADJACENT SURFACES FOR NEW WORK AS REQUIRED.
 3. REMOVE DOOR, FRAME, & HARDWARE IN THEIR ENTIRETY. PREPARE OPENING FOR NEW WORK AS REQUIRED.
 4. REMOVE WINDOW IN ITS ENTIRETY. PREPARE OPENING FOR NEW WORK AS REQUIRED.
 5. REMOVE FLOOR, BASE, & ADHESIVE IN THEIR ENTIRETY DOWN TO SUBFLOOR. PREPARE SUBFLOOR FOR NEW FINISHES AS REQUIRED.
 6. REMOVE CEILING SYSTEM IN ITS ENTIRETY INCLUDING ASSOCIATED ELECTRICAL FIXTURES, HVAC EQUIPMENT, ETC. BACK TO MAIN BRANCH.
 7. REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CAP UTILITIES TO WITHIN NEAREST REMAINING WALL/FLOOR. PREPARE ADJACENT SURFACES FOR NEW WORK AS REQUIRED.
 8. REMOVE CASEWORK IN ITS ENTIRETY. PREPARE ADJACENT SURFACES FOR NEW WORK AS REQUIRED.

- GENERAL DEMOLITION NOTES**
- IN GENERAL, ITEMS TO BE REMOVED ARE SHOWN DASHED. HOWEVER, CONTRACTOR SHALL REMOVE ALL ITEMS AS REQUIRED TO ALLOW FOR NEW CONSTRUCTION.
 - ALL ITEMS TO BE REMOVED SHALL BE RECYCLED WHERE FEASIBLE.
 - CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION TO READY THE SITE/FLOOR FOR NEW CONSTRUCTION.
 - CONTRACTOR TO REMOVE EXISTING ABANDONED ELECTRIC, TELEPHONE, & DATA CABLING & DEVICES, AS WELL AS ANY OTHER FIXTURES AS REQUIRED TO ACCOMMODATE NEW WORK.
 - PRIOR TO DEMOLITION, CONTRACTOR TO VERIFY W/ OWNER WHAT, IF ANY, ITEMS ARE TO BE SALVAGED.
 - CONTRACTOR TO PROTECT ALL EXISTING FINISHES TO REMAIN DURING CONSTRUCTION AND REPLACE DAMAGED FINISHES AS REQUIRED.
 - CONTRACTOR TO VERIFY IN FIELD ANY ADDITIONAL DEMOLITION REQUIRED TO PREPARE AREA FOR NEW CONSTRUCTION PER PLANS.
 - CONTRACTOR TO CONTACT ARCHITECT TO INSPECT POST-DEMO CONDITIONS PRIOR TO THE START OF NEW CONSTRUCTION.
 - CONTRACTOR TO REMOVE ALL EXISTING PLAQUES, SIGNAGE, WALL ART, ETC. PATCH ALL REMAINING WALLS AND PREP FOR PAINTING.

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Interior Renovations to:

**Hearing
 Evaluation
 Services of
 Buffalo**
 2545 Sheridan Drive,
 Tonawanda, NY 14150

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROF. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS _____

SEAL:

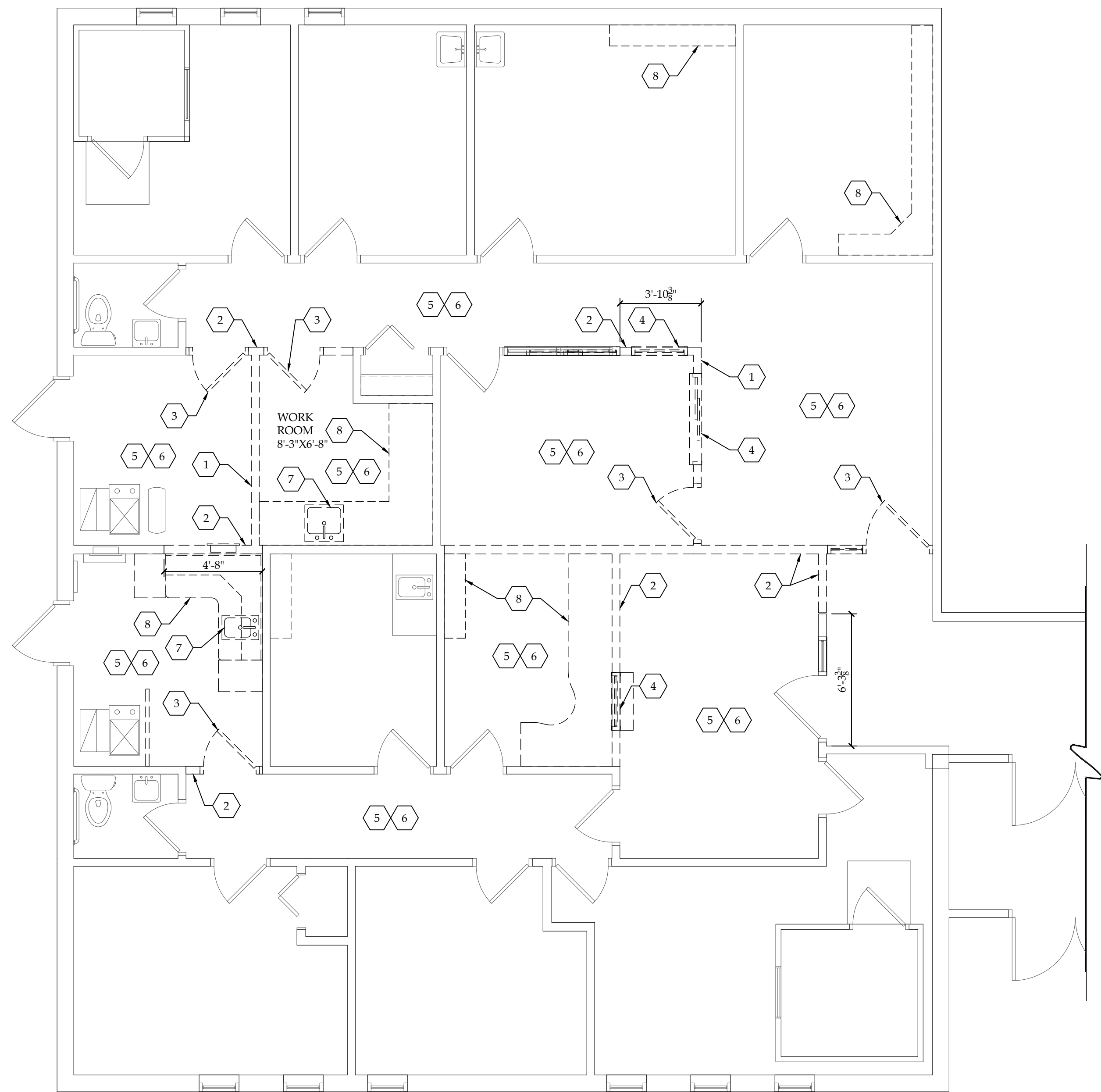
TITLE:
**DEMOLITION
 FLOOR PLAN**



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SA JOB #: **21035.02** DATE: **07-28-21**

DRAWING #: **AD-101**



A1 DEMOLITION FLOOR PLAN
 SCALE: 1/4"=1'-0"

GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE NEW YORK STATE BUILDING CODES, OSHA STANDARDS AND FIRE SAFETY CODE / RELEVANT SECTIONS OF THE N.E.P.A. & ANY LOCAL CODES BEING MORE RESTRICTIVE THAN THE MINIMUMS LISTED.
- CONSTRUCTION MEANS, METHODS, TECHNIQUES AND CRAFTSMANSHIP ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. G.C. SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. CONTACT ARCHITECT IF MAJOR DISCREPANCIES OCCUR BETWEEN DRAWINGS AND EXISTING CONDITIONS.
- THE CONTRACTOR IS REQUIRED TO INSPECT THE PROJECT SITE IN ORDER TO DETERMINE THE EXTENT OF THE REQUIRED WORK. THIS INSPECTION SHALL BE COMPLETED PRIOR TO THE SUBMISSION OF ANY PROPOSAL TO COMPLETE THIS PROJECT. INSPECTION TIMES SHALL BE COORDINATED WITH THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL INFORMATION ON THE DRAWINGS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF THE RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF THE WORK. THESE DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTIONS AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL BID & PERFORM THE WORK IN ACCORDANCE WITH THE FIELD CONDITIONS.
- ALL DIMENSIONS SHOWN FOR EXISTING STRUCTURES ARE BASED ON RECORD DRAWINGS AND FIELD MEASUREMENTS. THE CONTRACTOR IS ADVISED THAT SAID DRAWINGS MAY NOT ACCURATELY REFLECT AS BUILT CONDITIONS. ACCURATE FIELD MEASUREMENTS SHOULD BE MADE PRIOR TO ORDERING ANY PREFABRICATED MATERIALS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT AND SHALL BE REFLECTED ON THE CONTRACTOR'S SHOP DRAWINGS.
- THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS FOR THIS PROJECT WILL BE COMPLETED TO THE SCOPE OF THE PROJECT IN COMPLIANCE WITH THE OWNER AND DESIGN TEAM. ANY CHANGES TO THESE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS WILL ONLY BE DONE BY A CHANGE ORDER THAT IS APPROVED BY THE OWNER'S REPRESENTATIVE.
- CONSIDERATION WILL NOT BE GRANTED FOR ANY ALLEGED MISUNDERSTANDINGS AS TO THE AMOUNT AND / OR SCOPE OF WORK TO BE PERFORMED. TENDER OF PROPOSAL SHALL CONVEY FULL AGREEMENT TO THE ITEMS, AND CONDITIONS INDICATED IN THE CONSTRUCTION DOCUMENTS. SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR BE IN DOUBT AS TO THE INTENT THEREOF, THE CONTRACTOR SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO SUBMITTING A PROPOSAL FOR THE WORK.
- ALL OWNER SUPPLIED ITEMS WILL BE COORDINATED WITHIN THE GENERAL CONTRACTOR'S CONSTRUCTION SCHEDULES PRIOR TO COMMENCEMENT OF ANY WORK.
- THE CONTRACTOR SHALL COORDINATE HIS WORK AND SCHEDULE WITH THE OWNER FOR ALL BUILDING AND CONSTRUCTION SIGNAGE.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF HIS WORK AND SCHEDULE WITH WORK BEING PERFORMED BY OTHERS AND THE USER/OWNER OF THE BUILDING.
- ALL DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE. DO NOT SCALE DRAWINGS. ALL DIMENSIONS ARE TO FACE OF CONCRETE OR MASONRY, CENTERLINE OF COLUMNS AND BEAMS, AND FINISH TO FINISH, UNLESS OTHERWISE NOTED.
- THE STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING

- DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING WORK. ANY DISCREPANCIES BETWEEN THE ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING WITH SAID WORK.
- DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. IF THE CONTRACTOR HAS QUESTIONS REGARDING SOME, OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.
- CONTRACTOR SHALL VERIFY AND ESTABLISH THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WITHIN THE WORK AREA, AND SHALL COORDINATE WITH THE OWNER AND THE UTILITY COMPANIES PRIOR TO THE START OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE ALL SHORING AND BRACING REQUIRED TO ADEQUATELY PROTECT PERSONAL AND ADJACENT PROPERTY AND TO INSURE SAFETY OF THE STRUCTURE THROUGHOUT THE CONSTRUCTION PERIOD.
- ALL CEILING HEIGHTS AS SHOWN ON DETAILS OR PLANS OR NOTES ARE FROM TOP OF CONCRETE DECK TO FINISH CEILING. USE OF THE TERM ABOVE FINISH FLOOR (A.F.F.) MEANS MEASURED FROM THE TOP OF CONCRETE DECK. CONTRACTOR SHALL ALLOW FOR AND COORDINATE WORK WITH FLOOR FINISH MATERIAL AND INSTALLATION METHOD.
- PROVIDE INDEPENDENT SUSPENSION FOR ALL LIGHT FIXTURES. SUSPENSION FOR CEILING AND LIGHT FIXTURES SHALL BE INDEPENDENT OF SUSPENSION FOR DUCT WORK.
- ALL EQUIPMENT AND MATERIALS INSTALLED IN THIS JOB SHALL BE NEW AND FREE OF ANY DEFECTS UNLESS OTHERWISE NOTED.
- CONTRACTORS SHALL RECORD ALL DEVIATIONS FROM THE DESIGN DOCUMENTS IN THE DRAWINGS, AND PROVIDE A COPY TO THE ARCHITECT UPON THE COMPLETION OF WORK.
- PROVIDE APPROVED SEPARATION BY MEANS OF COATINGS, GASKETS, OR OTHER EFFECTIVE MEANS TO PREVENT GALVANIC CORROSION BETWEEN ALL DISSIMILAR METALS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS OF THIS PROJECT TO ADJACENT PROPERTY, UTILITIES, PAVEMENT, LANDSCAPING, STRUCTURES OR IMPROVEMENTS OF ANY KIND. THE GENERAL CONTRACTOR SHALL REPAIR ALL SUCH DAMAGE DUE TO THE CONDITION THEY WERE IN PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES OR BETTER.
- WHERE IT IS NECESSARY TO INSURE STABILITY, CONTRACTOR IS TO PROVIDE ADDITIONAL ANCHORING AND/OR BLOCKING IN STUD PARTITIONS OR BRACE PARTITIONS ABOVE CEILINGS.
- CONTRACTOR TO COORDINATE LOCATIONS OF FLOOR DRAINS WITH PLUMBING CONTRACTOR.
- CONTRACTOR TO COORDINATE SIZE OF LOCATION OF DEPRESSED SLAP AND TRENCH DRAIN REQUIRED FOR WASHING MACHINES PER MANUFACTURERS AND OWNERS SPECIFICATIONS AT LAUNDRY 110.
- AUTOMATIC SPRINKLER PROTECTION IS REQUIRED. AUTOMATIC SPRINKLER TO BE CONFIGURED AS REQUIRED FOR NEW CONSTRUCTION. CONTRACTOR TO PROVIDE LAYOUT AND THE MINIMUM REQUIREMENTS FOR THE DESIGN AND INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEM AND EXPOSURE PROTECTION SPRINKLER SYSTEMS, INCLUDING THE CHARACTER AND ADEQUACY OF WATER SUPPLIES, AND THE SELECTION OF SPRINKLERS, PIPING, VALVES AND ALL OTHER MATERIALS AND ACCESSORIES IN ACCORDANCE WITH NFPA 13 AND LOCAL

- BUILDING CODES.
- ROOM IDENTIFICATION AND INTERIOR SIGNAGE BY OWNER. SIGNAGE SHALL COMPLY WITH ADA REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE AND INSTALL FIRE EXTINGUISHERS PER CODE, INCLUDING NFPA 10, AND AS DIRECTED BY THE LOCAL FIRE DEPARTMENT THROUGHOUT BUILDING. FIRE EXTINGUISHER CABINETS SHALL NOT PROTECT MORE THAN 4' BEYOND THE FACE OF THE WALL. RECESSED FIRE EXTINGUISHER CABINETS IN FIRE RATED WALLS SHALL HAVE THE SAME FIRE RATING AS THE WALL.
- DIMENSIONS TO EXTERIOR WALLS ARE ASSUMED FACE OF FOUNDATION WALL UNLESS OTHERWISE NOTED. ALL INTERIOR, ALL INTERIOR DIMENSIONS ARE TAKEN FROM FACE OF FINISHED WALL. ALL EXTERIOR DIMENSIONS ARE TO FACE OF SHEATHING, UNLESS OTHERWISE NOTED.
- BEFORE SUBMITTING BID, EXAMINE ALL DRAWINGS RELATED TO THE WORK, BECOME FULLY INFORMED AS TO THE EXTENT AND CHARACTER OF THE WORK OF ALL TRADES AND ITS RELATION TO THE WORK UNDER THE CONTRACT. NO CONSIDERATIONS WILL BE GIVEN FOR ALLEGED MISUNDERSTANDING OF THE MATERIALS TO BE FURNISHED OR THE WORK TO BE DONE.
- CONTRACTOR SHALL REVIEW AND SUBMIT SHOP DRAWINGS SUFFICIENTLY IN ADVANCE OF THE WORK TO ALLOW PROPER TIME FOR REVIEW. MATERIALS SHALL NOT BE FABRICATED OR DELIVERED TO THE SITE BEFORE THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL SUBSTITUTE MANUFACTURERS, EQUIPMENT, MATERIALS AND PRODUCTS SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ALL ASSOCIATED COSTS TO ANY AND ALL BUILDING COMPONENTS THAT ARE AFFECTED BY THE SUBSTITUTIONS. ADDITIONAL COSTS INCLUDE ANY REDESIGN THAT IS REQUIRED DUE TO THE SUBSTITUTION.
- DO NOT SCALE DRAWINGS. THE DIMENSIONS SHOWN ON THE PLANS MAY VARY FROM THE ACTUAL DIMENSIONS IN THE FIELD. IT IS, THEREFORE, IMPERATIVE THAT THE CONTRACTOR, PRIOR TO COMMENCEMENT OF WORK, TAKE EXACT MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND SHOP DRAWINGS. ALL WORKING DRAWINGS PREPARED BY THE CONTRACTOR SHALL INCLUDE A STATEMENT CERTIFYING THAT THOSE DRAWINGS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FIELD MEASURED DIMENSIONS.
- THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY AND ALL DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK. FAILURE TO NOTIFY THE ARCHITECT WILL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH THE DOCUMENTS. THE CONTRACTOR SHALL CORRECT ANY AND ALL WORK ARISING FROM SUCH FAILURE AND COORDINATE DISCREPANCIES TO THE SATISFACTION OF THE ARCHITECT WITHOUT ADDITIONAL COST TO THE OWNER, RECOMMENDED BY MANUFACTURER.
- THE LOCATION FOR ALL ITEMS WHEN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE DIAGRAMMATIC. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE PROJECT AND SHALL HAVE THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL FURNISH AND INSTALL, WITHOUT ADDITIONAL REMUNERATION, ANY COMPONENT NECESSARY TO COMPLETE THE SYSTEMS IN ACCORDANCE WITH THE BEST PRACTICE OF THE TRADE.
- DATA, COMMUNICATION, CABLE, AND SECURITY SYSTEMS ARE PROVIDED BY THE OWNERS VENDORS. HOWEVER THE ELECTRICAL CONTRACTOR SHALL PROVIDE APPROPRIATE WALL BOXES, CONDUIT WITH PULL STRINGS, ETC. AS REQUIRED FOR RISE/IN-GAIN CONDITIONS. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION OF THESE ITEMS WITH THE OWNER'S VENDORS. ADAAG COMPLIANCE SHALL APPLY.

- MECHANICAL, ELECTRICAL, AND PLUMBING, ARE SCHEMATIC IN NATURE. THEREFORE, IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE ROUTING OF THESE TRADES, AS WELL AS, THE OWNERS WORK TO ASSURE THAT THESE SYSTEMS DO NOT CONFLICT WITH THE ARCHITECTURAL AND STRUCTURAL ELEMENTS OF THE BUILDING. IF THE GENERAL CONTRACTOR ROUTE THESE ITEMS TO AVOID A CONFLICT, THEN THEY SHALL NOTIFY THE ARCHITECT PRIOR TO STARTING ANY RELATED WORK.
- CONTRACTOR TO PROTECT ALL NEW WORK DURING CONSTRUCTION AND REPLACE DAMAGED MATERIAL IN KIND.
- ALL GYPSUM WALL BOARD TO BE TAPED AND SANDED AT INTERSECTION OF CONSTRUCTION (NO. 3" MOLD)
- PROVIDE CORNER BEAD AT ALL EXPOSED GYPSUM WALL BOARD CORNERS.
- DOOR OPENINGS SHALL BE LOCATED 4" FROM THE NEAREST FACE OF WALL IN MASONRY WALL CONSTRUCTION, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS, FABRICATION, LABOR AND SUPERVISION, ERECTION EQUIPMENT AND APPLIANCES REQUIRED TO INSTALL ALL EQUIPMENT SHOWN ON DRAWINGS AS INDICATED IN THE SPECIFICATIONS.
- THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS AND PRODUCTS," UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE HER/HIS WORK WITH THE OWNER SO THAT THERE IS NO INTERFERENCE WITH OWNER'S PERSONAL OR WORK SCHEDULE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT.
- SAVE WORKING CONDITIONS ARE ALL SAFETY REQUIREMENTS ESTABLISHED BY JURISDICTIONAL AGENCIES AND/OR THE OWNER SHALL BE OBSERVED. WHERE CONFLICTS EXIST, THE MORE STRINGENT REQUIREMENTS SHALL APPLY. CARE MUST BE EXERCISED TO AVOID ENDANGERING PERSONNEL OR THE STRUCTURE.
- CONTRACTOR SHALL REMOVE ALL PROPERLY DISPOSE OF ALL DEBRIS FROM SITE AND LEAVE THE WORK AREA BROOM CLEAN ON A DAILY BASIS AND PROVIDE DUMPSTER SERVICE. PLACE DUMPSTERS AS DIRECTED BY THE "OWNER'S REPRESENTATIVE"
- CONTRACTOR SHALL FURNISH ALL SCAFFOLDING, HOISTING EQUIPMENT AND ANY OTHER EQUIPMENT THAT MAY BE REQUIRED TO PERFORM THE WORK INDICATED IN A SAFE AND ORDERLY MANNER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE AGAINST DAMAGE TO EXISTING WORK TO REMAIN IN PLACE. ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PAYING FOR ALL PERMITS AND APPROVALS NECESSARY FOR THE COMPLETION OF THE PROJECT.
- ALL NEW MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS LATEST WRITTEN INSTRUCTIONS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE ALL FINISHES AND COLOR SELECTIONS WITH THE OWNER.
- ALL FASTENERS INTO PRESSURE TREATED LUMBER ARE TO BE HOT DIPPED GALVANIZED OR STAINLESS STEEL AS RECOMMENDED BY MANUFACTURER.

SPECIAL INSPECTION NOTES

- SPECIAL INSPECTIONS SHALL OCCUR PER NEW YORK STATE BUILDING CODE 2010 SECTION 1704. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE CODE ENFORCEMENT OFFICIAL. FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES ARE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED IF REQUESTED.
- THE INSPECTION AND TESTING AGENT SHALL BE ENGAGED BY THE OWNER OR THE OWNERS AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK.
- THE PERMIT APPLICANT SHALL SUBMIT A STATEMENT OF SPECIAL INSPECTIONS PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE IN ACCORDANCE WITH SECTION 106.1 AS A CONDITION FOR PERMIT ISSUANCE. THIS STATEMENT SHALL INCLUDE A COMPLETE LIST OF MATERIALS AND WORK REQUIRING SPECIAL INSPECTIONS BY THIS SECTION, THE INSPECTIONS TO BE PERFORMED AND A LIST OF THE INDIVIDUALS, APPROVED AGENCIES OR FIRMS INTENDED TO BE RETAINED FOR CONDUCTING SUCH INSPECTIONS.
- THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL INSPECTIONS AND SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL, STRUCTURAL ENGINEER AND ARCHITECT OF RECORD. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES.

GENERAL WALL NOTES

- SEE SPECIFICATIONS FOR APPLICATIONS OF GYPSUM PRODUCTS, UNLESS NOTED ON DRAWINGS. REFER TO SPECIFICATIONS FOR SPECIAL APPLICATIONS, THICKNESS, AND TYPES (I.E. MOLD & MOISTURE RESISTANCE, TILE BACKER BOARDS, ETC.)
- REFER TO THE LATEST EDITION OF UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY FOR ADDITIONAL REQUIREMENTS ON UL RATED ASSEMBLIES AS NOTED IN THE PARTITION DETAILS
- USE ONLY PARTITIONS IDENTIFIED ON THE PLANS.
- STC = SOUND TRANSMISSION CLASS - REFER TO THE WALL SCHEDULE IN PLAN FOR WALLS THAT ARE SOUND RATED.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE LOCATED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUNDS VALUE OF THE WALL PARTITION.

SOUND INSULATION NOTES

- ASSEMBLIES SHOULD BE AIRTIGHT. HAIRLINE CRACKS AND HOLLS ARE NOT ALLOWED.
- RECESSED WALL FIXTURES SUCH AS CABINETS, OUTLETS, AND OTHER ITEMS WHICH PENETRATE THE GYPSUM BOARD SURFACE SHOULD NOT BE LOCATED BACK TO BACK IN THE SAME STUD CAVITY.
- ANY OPENINGS CUT FOR ANY FIXTURES SHALL BE CAREFULLY CUT TO SIZE, PROPERLY FASTENED, INSULATED PER WALL ASSEMBLY AND PROPERLY CAULKED.
- THE ENTIRE PERIMETER OF A SOUND INSULATING ASSEMBLY MUST BE MADE AIRTIGHT TO PREVENT SOUND FROM "FLANKING".
- AN ACOUSTICAL SEALANT SHOULD BE USED TO SEAL BETWEEN THE SOUND INSULATING ASSEMBLY AND ALL DISSIMILAR ASSEMBLIES AND BETWEEN THE ASSEMBLY AND SIMILAR SURFACES WHERE PERIMETER RELIEF IS REQUIRED. TAPING AND CAULKING OF GYPSUM BOARD WALL AND WALL-CEILING INTERSECTIONS PROVIDES AN ADEQUATE AIR SEAL AT THESE LOCATIONS.
- ALL SEALANTS IN RATED WALL LOCATIONS REFERENCED IN THE WALL TYPE DETAILS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE UNDERWRITERS LABORATORIES, INC. FIRE RESISTANCE DIRECTORY. IN ADDITION TO FIRE RESISTANCE, WALL LOCATIONS CALLED OUT WITH REQUIRED ACOUSTICAL VALUE, AS NOTED IN WALL SCHEDULE, SHALL HAVE SEALANTS THAT MAINTAIN THE MINIMUM SOUNDS VALUE OF THE WALL PARTITION.
- ASTM RECOMMENDED PRACTICES E-497 SHOULD BE FOLLOWED FOR GOOD SOUND CONTROL. ALSO CONSULT THE MANUFACTURER OF THE GYPSUM BOARD FOR ANY SPECIAL RECOMMENDATIONS RELATING TO THEIR SYSTEM.

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Interior Renovations to: Hearing Evaluation Services of Buffalo

2545 Sheridan Drive,
Tonawanda, NY 14150

ISSUE:

SA PROJECT TEAM: PRINCIPAL P Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:

GENERAL NOTES

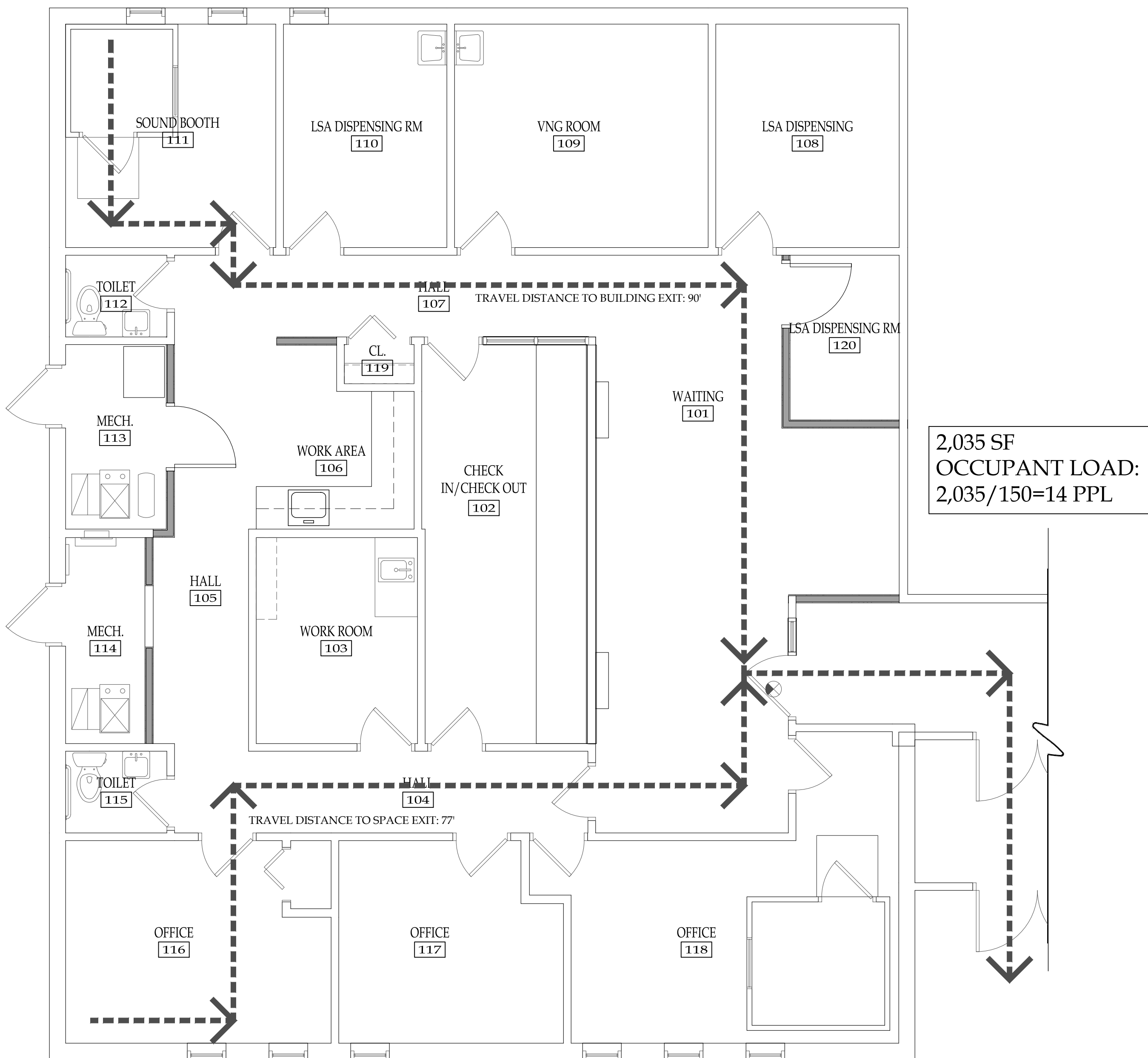


SILVESTRI
ARCHITECTS · PC

1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: **21035.02** DATE: **07-28-21**

DRAWING #: **A-003**



2,035 SF
OCCUPANT LOAD:
2,035 / 150 = 14 PPL

KEY:

	1 HR FIRE BARRIER
	EXIT DISTANCE
	EXIT SIGN
	FIRE EXTINGUISHER
	EMERGENCY NIGHT LIGHT FIXTURE 4'
	EMERGENCY NIGHT LIGHT FIXTURE 2x4'

APPLICABLE CODES & GUIDELINES:

2020 IBC
2020 IFC
2020 IMC
2020 IEBC
2009 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADAAG)
INCLUDING ALL REFORMED STANDARDS THEREIN

BUILDING INFORMATION:

OCCUPANCY CLASSIFICATION:
NEW AMBULATORY HEALTH CARE OCCUPANCIES (NFPA 101 CH. 20)
B-BUSINESS
CONSTRUCTION TYPE: - IIB
NOT SPRINKLERED
TOTAL CONSTRUCTION AREA: 2,035 SF

B: 2,035 SF 14 PEOPLE

EXIT WIDTH REQUIRED: 14x0.2=3"
EXIT WIDTH PROVIDED: 36"
MAXIMUM TRAVEL DISTANCE ALLOWED: 200' MAX
TOTAL MAXIMUM FROM SPACE: 100'
MAXIMUM SMOKE COMPARTMENT AREA: - SF
DEAD END CORRIDOR ALLOWED: MAX 20'
CORRIDOR WIDTH: MIN 36"
NUMBER OF EXITS REQUIRED: 1
NUMBER OF EXITS PROVIDED: 1

EXISTING TO REMAIN PLUMBING FIXTURES:

	REQ'D	PROV
TOILET	1 UNISEX	2 UNISEX
LAV	1 UNISEX	2 UNISEX
DF	1	IN COMMON AREA
MOP SINK	1	IN COMMON AREA

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ISSUE:

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PROJ. ARCH. _____ DRAFTER _____
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SEAL:

TITLE:

CODE COMPLIANCE PLAN

SILVESTRI ARCHITECTS • PC

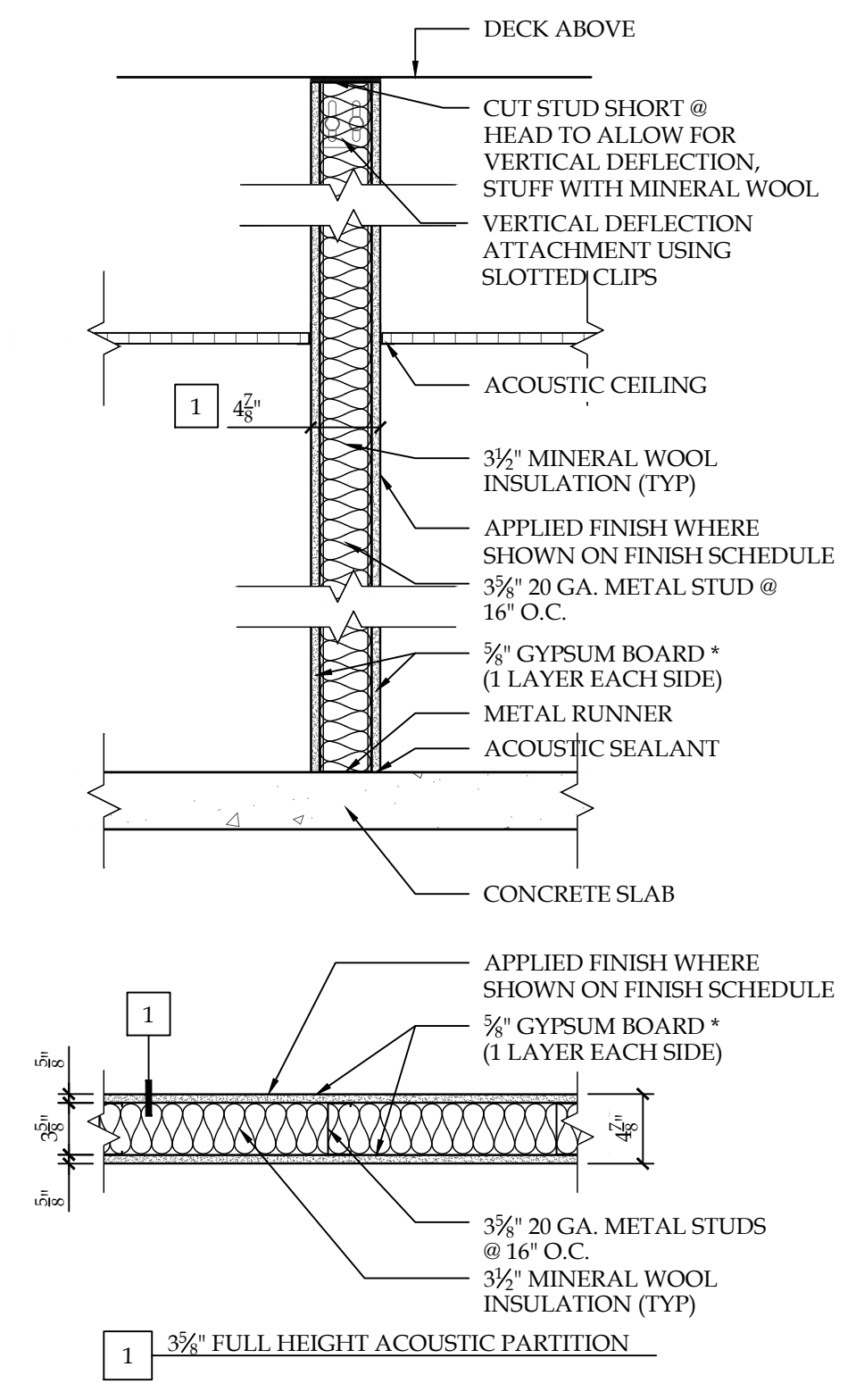
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SA JOB #: **21035.02** DATE: **07-28-21**

DRAWING #: **A-010**

E
D
C
B
A

1 2 3 4 5 6



NOTE:
IN ALL INTERIOR PARTITIONS TO REMAIN, INSTALL BLOW-IN FIBERGLASS INSULATION TO FILL ALL CAVITIES.

REFLECTED CEILING LEGEND	
[X-X']	CEILING HEIGHT TAG
[Circle]	2x4 TROFFER LIGHT
[Grid]	2x4 ACOUSTICAL CEILING SYSTEM
[Shaded Box]	GYPSUM WALL BOARD CEILING
[Square with X]	HVAC SUPPLY DIFFUSER
[Square with /]	HVAC RETURN DIFFUSER

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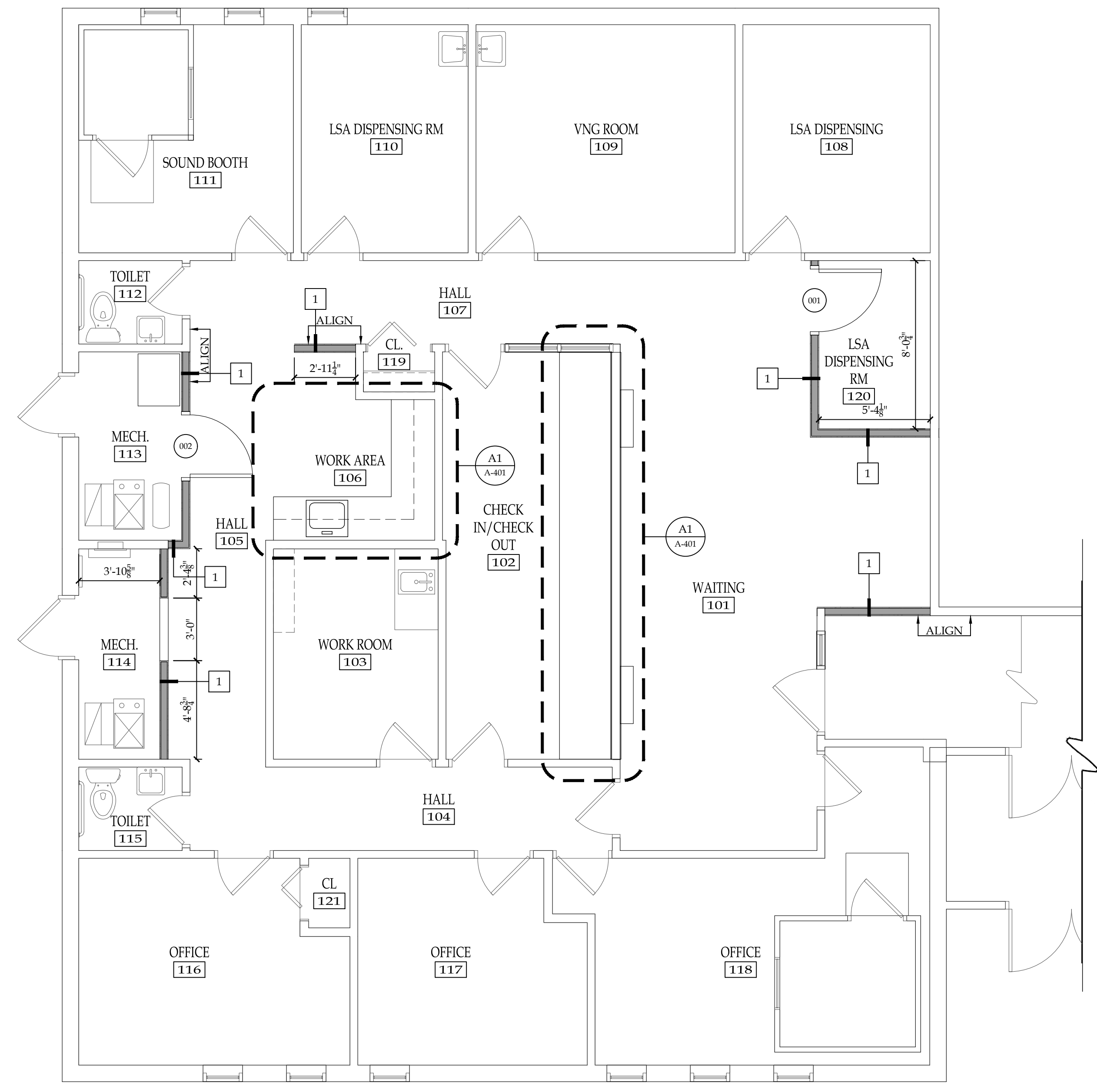
TITLE:
FLOOR PLAN & REFLECTED CEILING PLAN



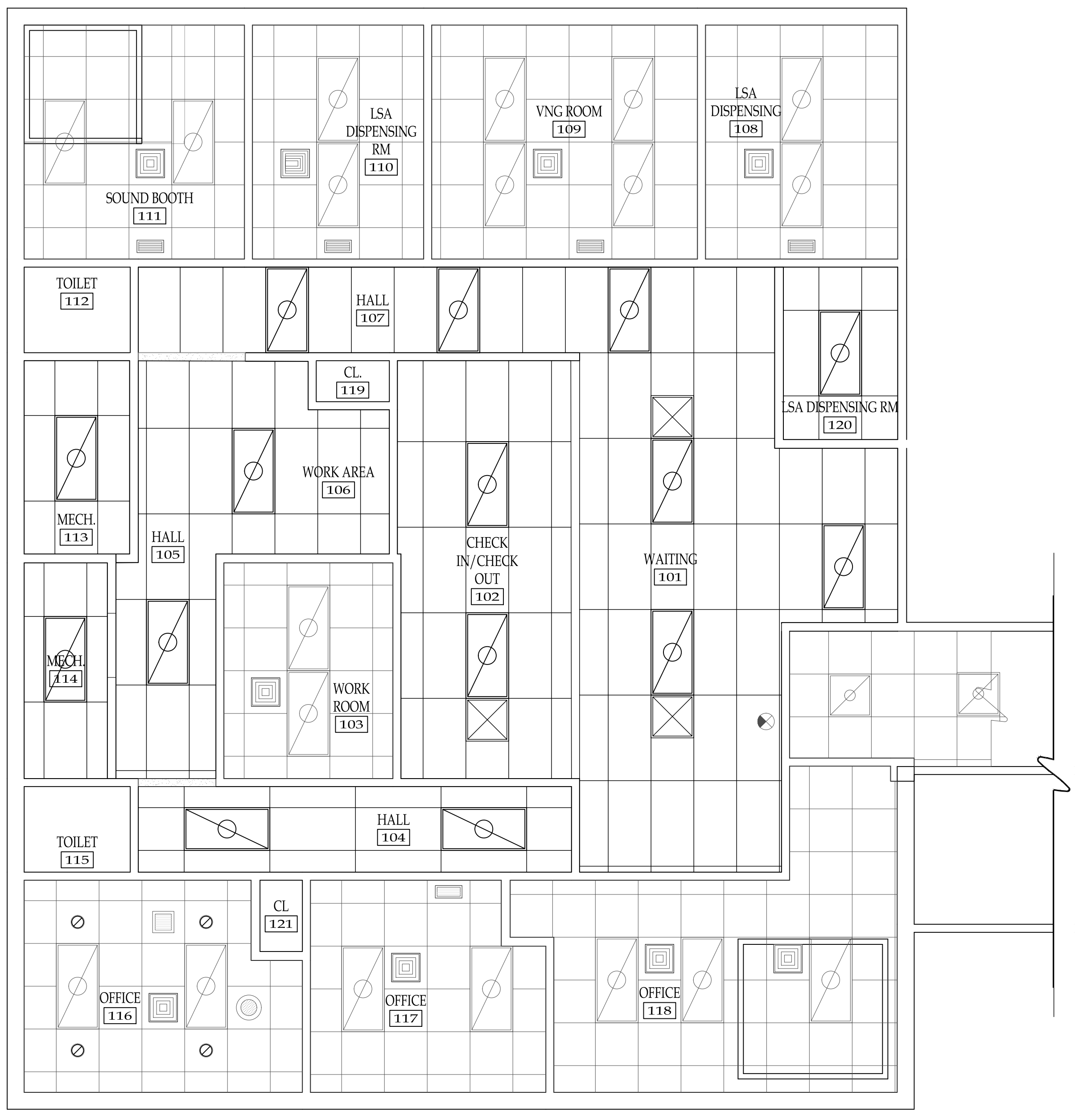
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SA JOB #: 21035.02 DATE: 07-28-21

DRAWING #: **A-101**



A1 FLOOR PLAN
SCALE: 1/4"=1'-0"



A4 REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

1 2 3 4 5 6

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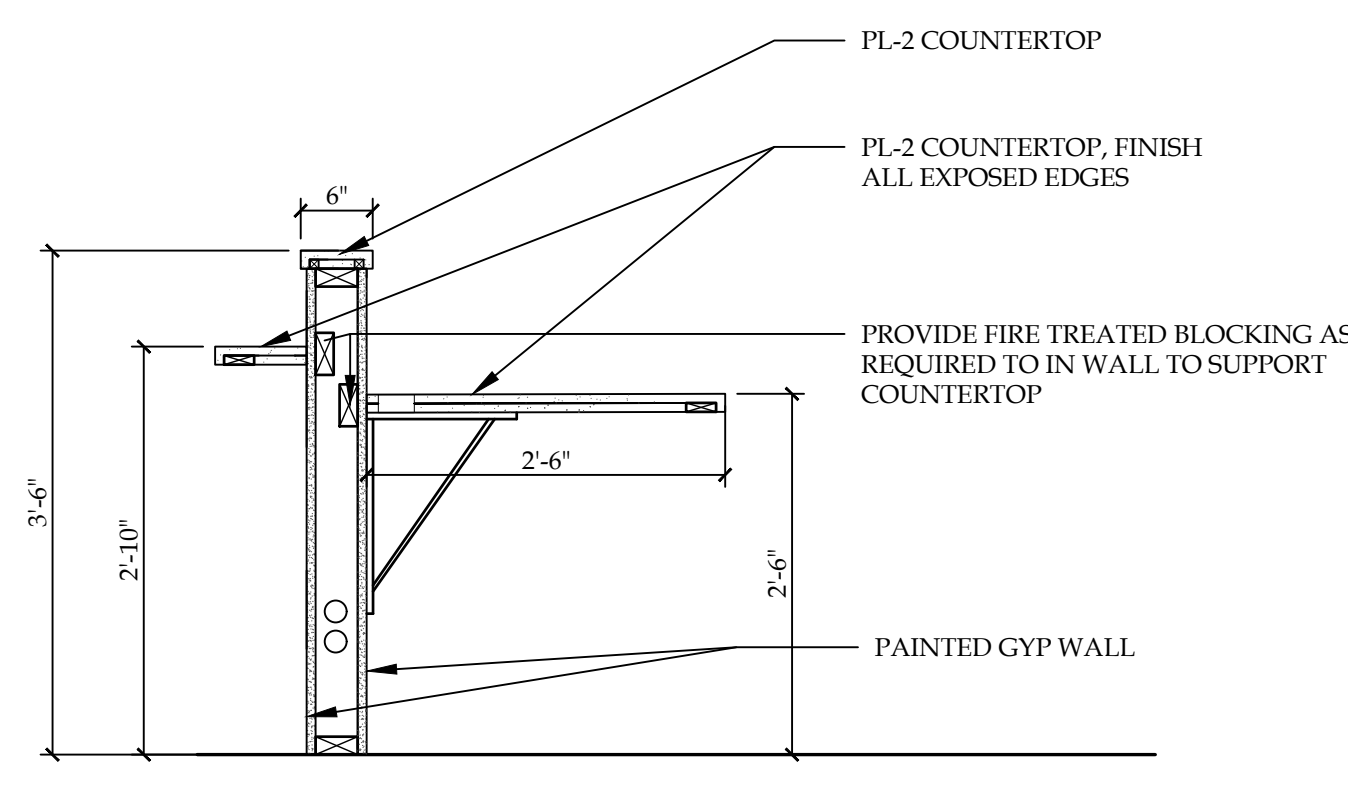
SEAL:

TITLE:
MILLWORK DETAILS

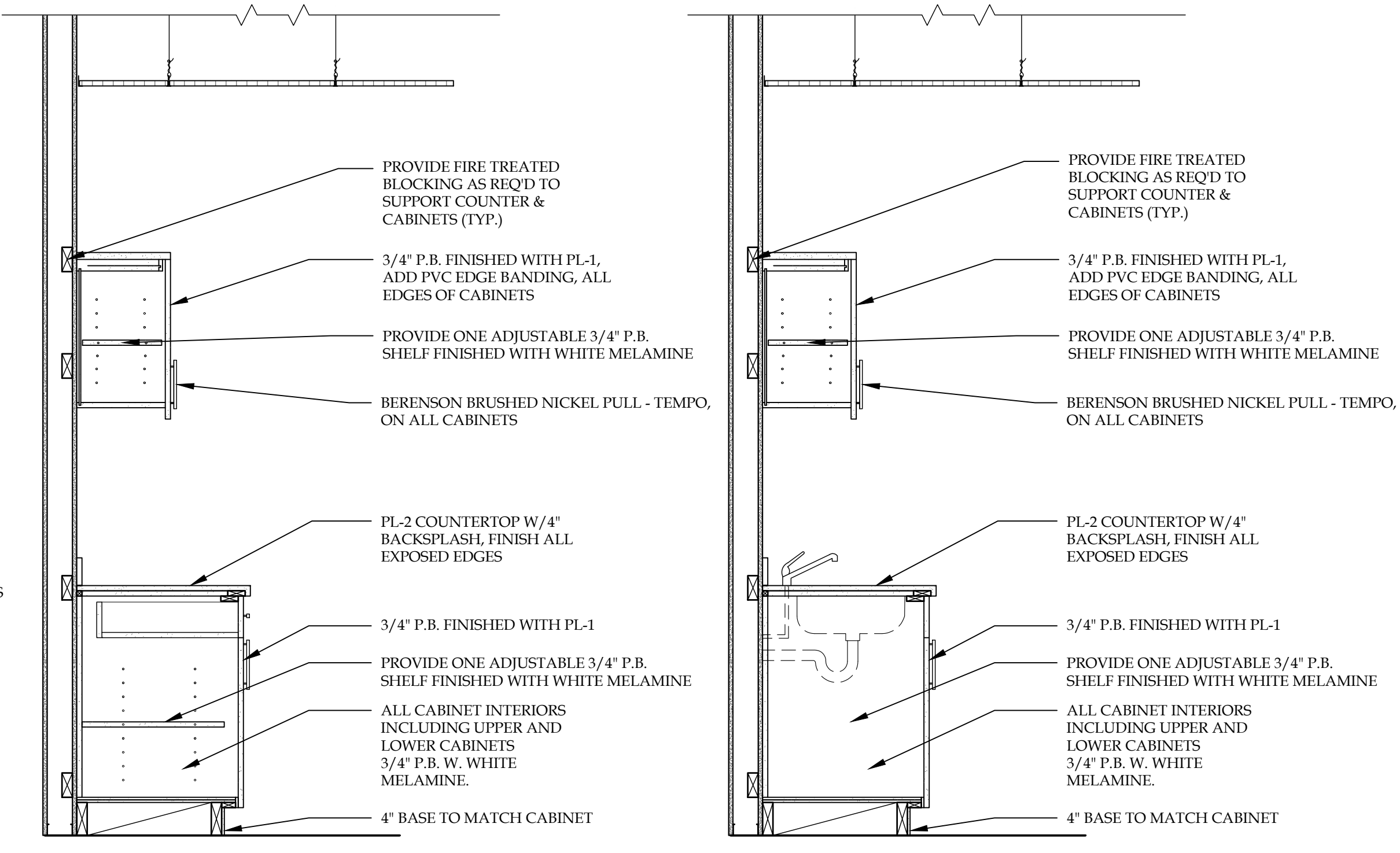


SA JOB #: **21035.02** DATE: **07-28-21**

DRAWING #: **A-401**

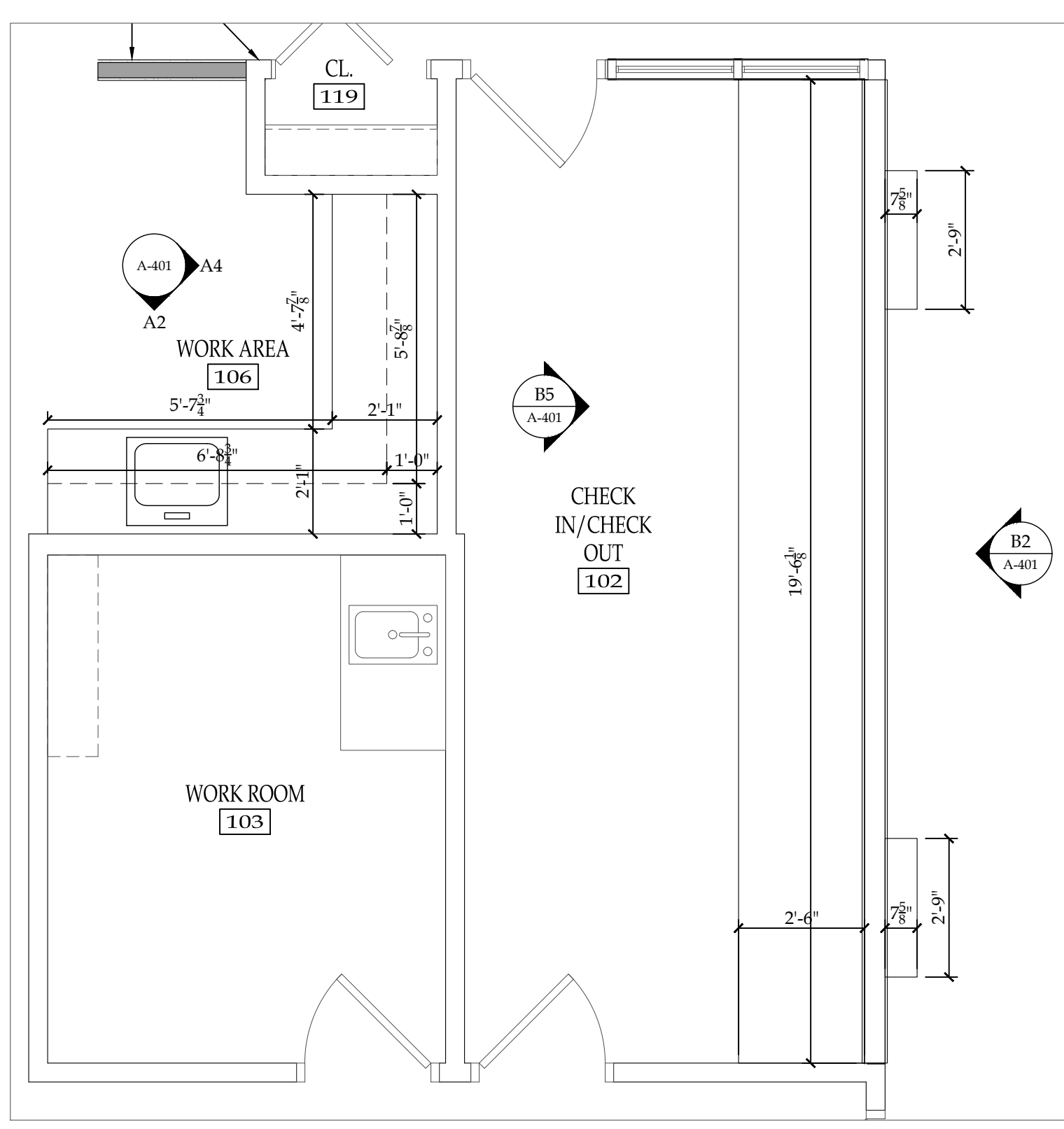


C1 SECTION - RECEPTION
 SCALE: 3/4"=1'-0"

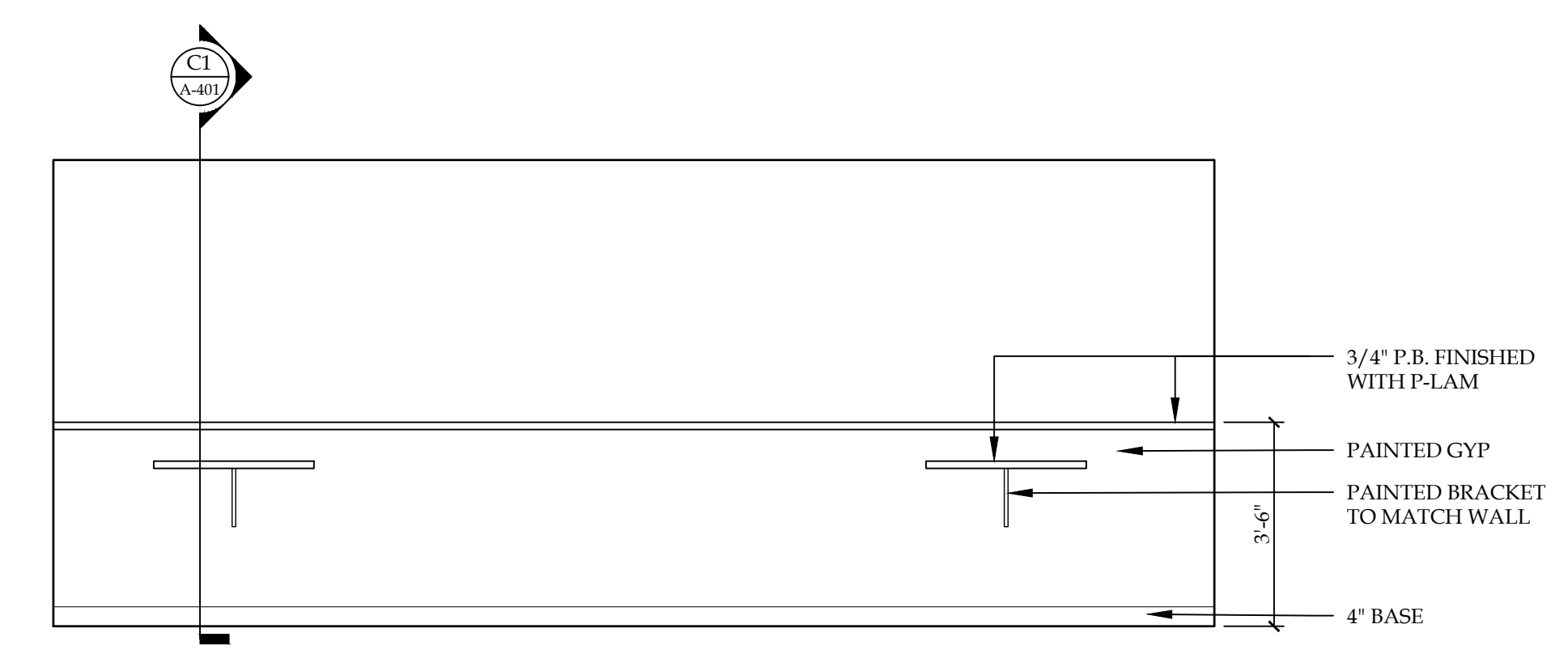


C2 SECTION - WORK AREA #106
 SCALE: 3/4"=1'-0"

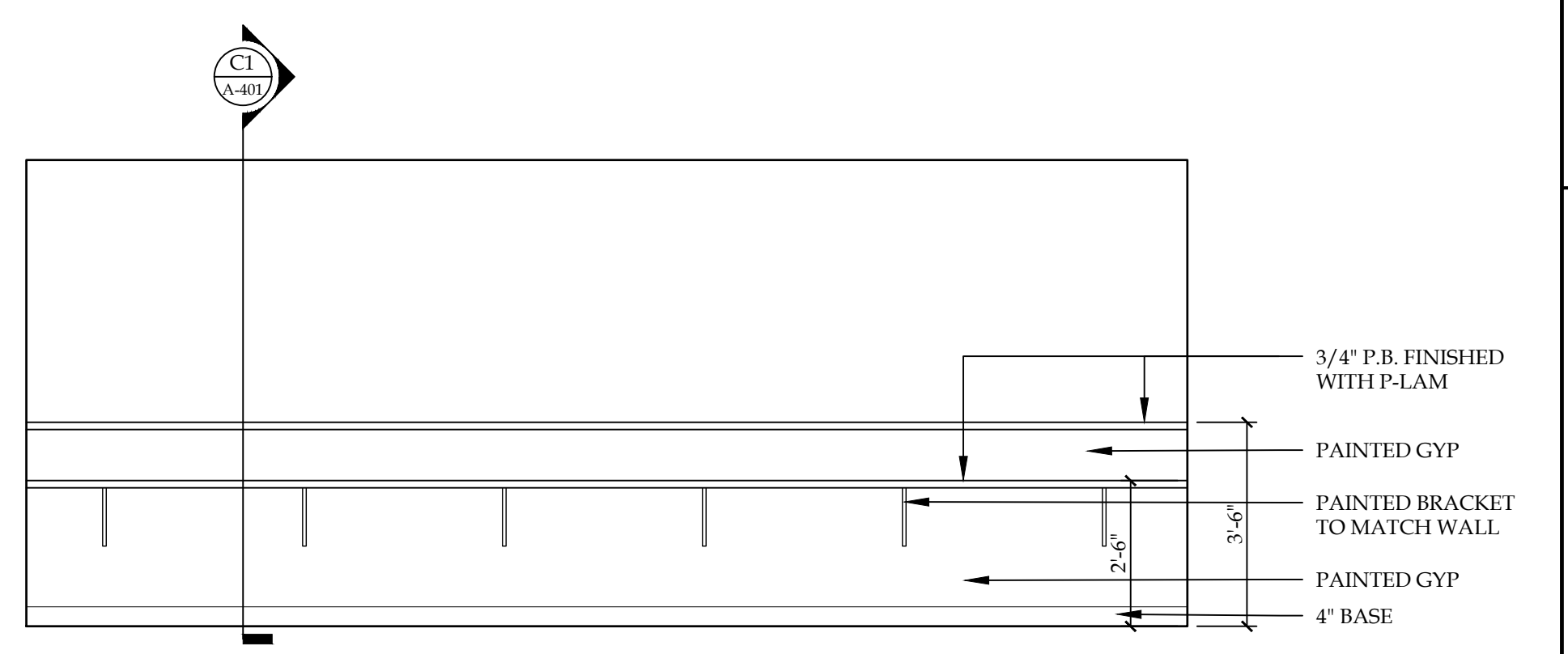
C3 SECTION - WORK AREA #106
 SCALE: 3/4"=1'-0"



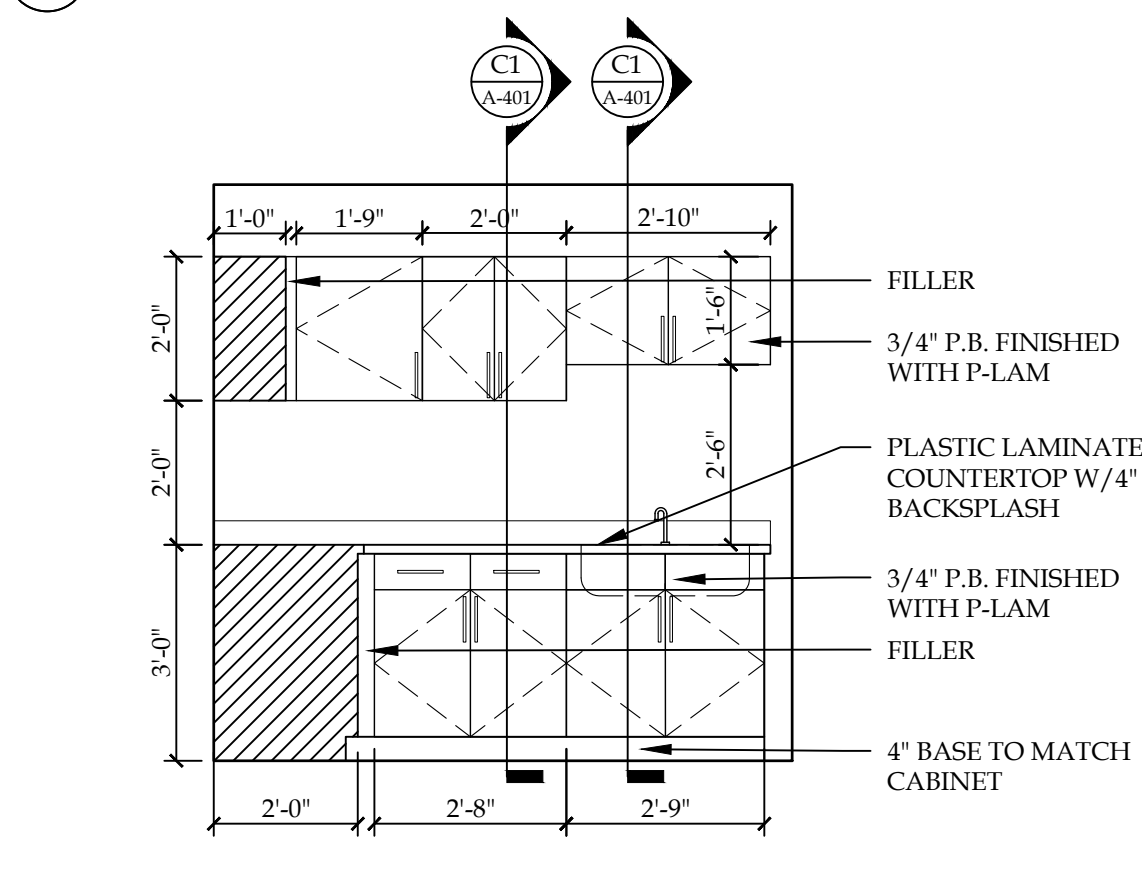
A1 ENLARGED PLAN - CHECK IN/CHECK OUT #102 & WORK AREA #106
 SCALE: 3/8"=1'-0"



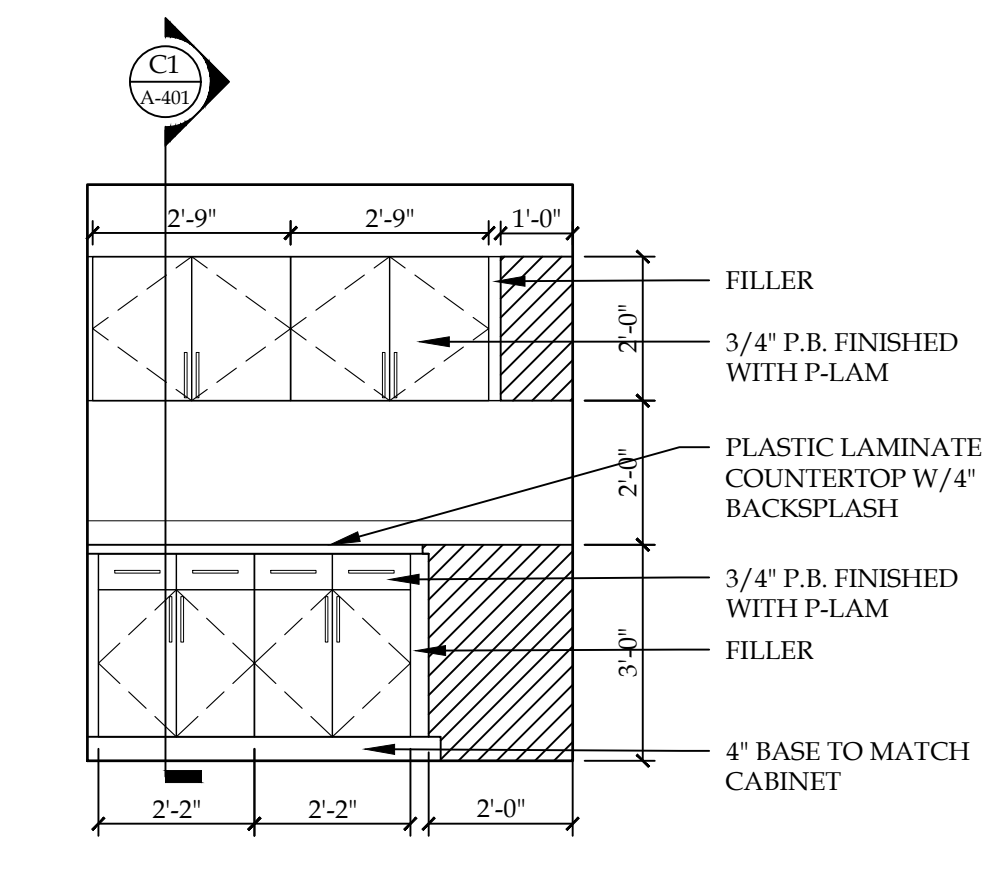
B2 ELEVATION - CHECK IN/CHECK OUT #102
 SCALE: 3/8"=1'-0"



B5 ELEVATION - CHECK IN/CHECK OUT #102
 SCALE: 3/8"=1'-0"



A2 ELEVATION - WORK AREA #106
 SCALE: 3/8"=1'-0"



A4 ELEVATION - WORK AREA #106
 SCALE: 3/8"=1'-0"

FINISH SELECTIONS	
CARPET (CPT-X): (CPT-1) (TYPICAL) MANUFACTURER: STYLE: COLOR:	INTERFACE CLOUD COVER TBD
LUXURY VINYL TILE (LVT-X): (LVT-1) (TYPICAL) MANUFACTURER: STYLE: COLOR: NOTE:	INTERFACE STEADY STRIDE WOODGRAINS SPROUT 00173 CONTACT DONNALEE GUGLIEMINO FOR PRICING 585-200-1945
PAINT (P-X): (P-1) (TYPICAL) MANUFACTURER: SIZE: FINISH:	SHERWIN WILLIAMS TBD EGGSHELL
(P-2) (ACCENT) MANUFACTURER: COLOR: FINISH:	SHERWIN WILLIAMS TBD EGGSHELL
(P-3) (DOOR FRAMES) MANUFACTURER: COLOR: FINISH:	SHERWIN WILLIAMS TBD SEMI-GLOSS
PLASTIC LAMINATE (PL-X): (PL-1) (CABINETS) MANUFACTURER: COLOR:	FORMICA TBD
(PL-2) (COUNTERTOP) MANUFACTURER: FINISH:	WILSONART TBD
ACOUSTICAL CEILING TILE (ACT-X): (ACT-1) MANUFACTURER: STYLE: STYLE #: SIZE: EDGE: COLOR: SUSPENSION SYS.:	USG RADAR 2410 2'x4' SQUARE WHITE DONN DX/DXL 15/16"
RUBBER BASE (RB-X): (RB-1) MANUFACTURER: STYLE: COLOR:	JOHNSONITE 4" COVE BASE TBD
WOOD DOOR (WD-X): (WD-1) MANUFACTURER: STYLE: SPECIES: STAIN:	MASONITE CENDURA MATCH EXISTING STAIN IN FIELD TO MATCH EXISTING
TRANSITION (TS-X): (TS-1) (GENERAL) MANUFACTURER: STYLE & SIZE:	SCHLUTER SYSTEMS RENO-TK SIZE TO BE V.L.F. IN ACCORDANCE WITH MATERIAL(S) THICKNESS CLEAR SATIN ANODIZED ALUMINUM FLOORING MATERIAL CHANGES AS NECESSARY. PLEASE SEE GENERAL NOTES RE: TRANSITIONS
STYLE: LOCATION(S): NOTE(S):	

GENERAL NOTES	
<ul style="list-style-type: none"> ANY AND ALL FINISH SELECTIONS/ COLORS MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL ACCOUNTING FOR PROPER LEAD TIME. ANY FINISH THAT IS INSTALLED WITHOUT ARCHITECTS APPROVAL MAY BE REQUIRED TO BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER ALL MATERIALS AT THE APPROPRIATE TIME. ANY FEES INCURRED AS A RESULT OF FINISHES NOT BEING ORDERED ON TIME WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES BETWEEN ARCHITECTURAL ELEVATION(S), PLAN(S), SCHEDULE(S) AND NOTES MUST BE BROUGHT TO ARCHITECTS ATTENTION. ARCHITECT MUST BE CONTACTED AND GIVE APPROVAL TO MOVE FORWARD WITH SPECIFIC DIRECTION PRIOR TO ANTICIPATED ACTION. ALL INTERIOR PRODUCTS TO MEET/ EXCEED FLAME SPREAD RATING PER CODE ALL FLOOR FINISHES TO EXTEND BENEATH ALL MILLWORK. ALL ELECTRICAL PANEL COVERS AND/OR MECHANICAL EQUIPMENT AND/OR DUCTING TO BE PAINTED TO MATCH ADJOINING WALL. ANY CEILING HVAC SUPPLY/DIFFUSERS ETC. TO BE PAINTED TO MATCH SURROUNDING CEILING FINISH. ANY QUESTIONS OR CONCERN TO BE BROUGHT TO ARCHITECTS ATTENTION FOR FINAL DECISION PRIOR TO ORDER/INSTALL BY CONTRACTOR OR OTHER. HORIZONTAL SURFACE OF ALL SOFFITS TO BE PAINTED TO MATCH ADJOINING WALLS UNLESS OTHERWISE SPECIFIED. 	<p>CEILING:</p> <ul style="list-style-type: none"> ALL GYPSUM BOARD CEILING TO BE PAINTED IN A FLAT WHITE FINISH UNLESS SPECIFIED. ALL EXPOSED MECHANICAL DUCT COVERS SHALL BE PAINTED TO MATCH THE SURROUNDING WALL/ CEILING COLOR. PRIME AS NECESSARY. <p>WALLS:</p> <ul style="list-style-type: none"> PROVIDE (1) COAT WALL PRIMER FOLLOWED BY (2) COATS WALL PAINT ON ALL INTERIOR WALL SURFACE UNLESS OTHERWISE NOTED IN SPECIFICATIONS. SEE SPEC FOR DETAILS. WHERE DARK PAINT COLORS ARE APPLIED, USE DEEP GRAY BASE PRIMER TO PREVENT BURNISHING. WALLS TO HAVE LEVEL 4 FINISH. <p>FLOORS:</p> <ul style="list-style-type: none"> NO CHANGES OR SUBSTITUTIONS WILL BE MADE TO THE FOLLOWING FINISHES UNLESS DIRECTED BY THE OWNER OR ARCHITECT CONTRACTOR TO PROVIDE (1S-1) AT ALL FLOORING MATERIAL CHANGES NEEDING THRESHOLDS. NECESSARY SIZES TO BE DETERMINED BY CONTRACTOR AND V.L.F. BASED ON MATERIAL THICKNESS. CARPET TO VINYL PLANK THAT EQUAL IN THICKNESS DO NOT NEED TRANSITION. <p>MILLWORK:</p> <ul style="list-style-type: none"> PROVIDE CLEAR BEAD OF SILICONE OR CLEAR CALK TO SEAL BETWEEN MILLWORK PIECES(IE: COUNTER TOP AND BACKSPLASH) AND MILLWORK AND WALL. (TYPICAL). ALL COLOR SELECTION OF PLASTIC LAMINATE SUPPORTS TO MATCH ADJACENT WALL. <p>DOORS:</p> <ul style="list-style-type: none"> ALL DOOR FRAMES TO BE PAINTED WITH P-3. ALL DOORS EXISTING TO REMAIN TO BE CLEANED. <p>OUTLETS:</p> <ul style="list-style-type: none"> ALL OUTLET SWITCHES AND COVERS TO BE WHITE.

ROOM FINISH LEGEND	
FLOORS	DOORS
CPT = CARPET	WD = WOOD DOOR
LVT = LUXURY VINYL TILE	MISCELLANEOUS
BASE	PL = PLASTIC LAMINATE
RB = RUBBER BASE	TS = TRANSITION STRIP
WALLS	MISC = MISCELLANEOUS
P = PAINT	MATERIALS
CEILING	P.B. = PARTICLE BOARD
ACT = ACOUSTIC CEILING TILE	GYP. = GYPSUM BOARD
GYP = GYPSUM BOARD	

ROOM FINISH SCHEDULE								
ROOM NUMBER	ROOM NAME	BASE	FLOOR	WALLS	CEILING	MILLWORK		REMARKS
						CABINET/SHROUD	COUNTERTOP/BACKSPLASH	
101	WAITING	RB-1	CPT-1	P-1 /P-2	ACT-1			
102	CHECK IN/CHECK OUT	RB-1	CPT-1	P-1	ACT-1		PL-2	
103	WORK ROOM	EXIST	EXIST	EXIST	EXIST			
104	HALL	RB-1	EXIST	P-1 /P-2	ACT-1			
105	HALL	RB-1	LVT-1	P-1 /P-2	ACT-1			
106	WORK AREA	RB-1	LVT-1	P-1	ACT-1	PL-1	PL-2	
107	HALL	RB-1	CPT-1	P-1 /P-2	ACT-1			
108	LSA DISPENSING	RB-1	CPT-1	P-1	EXIST			
109	VNG ROOM	RB-1	LVT-1	P-1	EXIST			
110	LSA DISPENSING ROOM	RB-1	CPT-1	P-1	EXIST			
111	SOUND BOOTH	RB-1	CPT-1	P-1	EXIST			
112	TOILET	EXIST	EXIST	EXIST	EXIST			
113	MECHANICAL	RB-1	LVT-1	P-1	ACT-1			
114	MECHANICAL	RB-1	LVT-1	P-1	ACT-1			
115	TOILET	EXIST	EXIST	EXIST	EXIST			
116	OFFICE	EXIST	EXIST	EXIST	EXIST			
117	OFFICE	EXIST	EXIST	EXIST	EXIST			
118	OFFICE	EXIST	EXIST	EXIST	EXIST			
119	CLOSET	RB-1	CPT-1	P-1	EXIST			
120	LSA DISPENSING ROOM	RB-1	CPT-1	P-1	ACT-1			

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JOB CAPT. _____ INTERIORS _____

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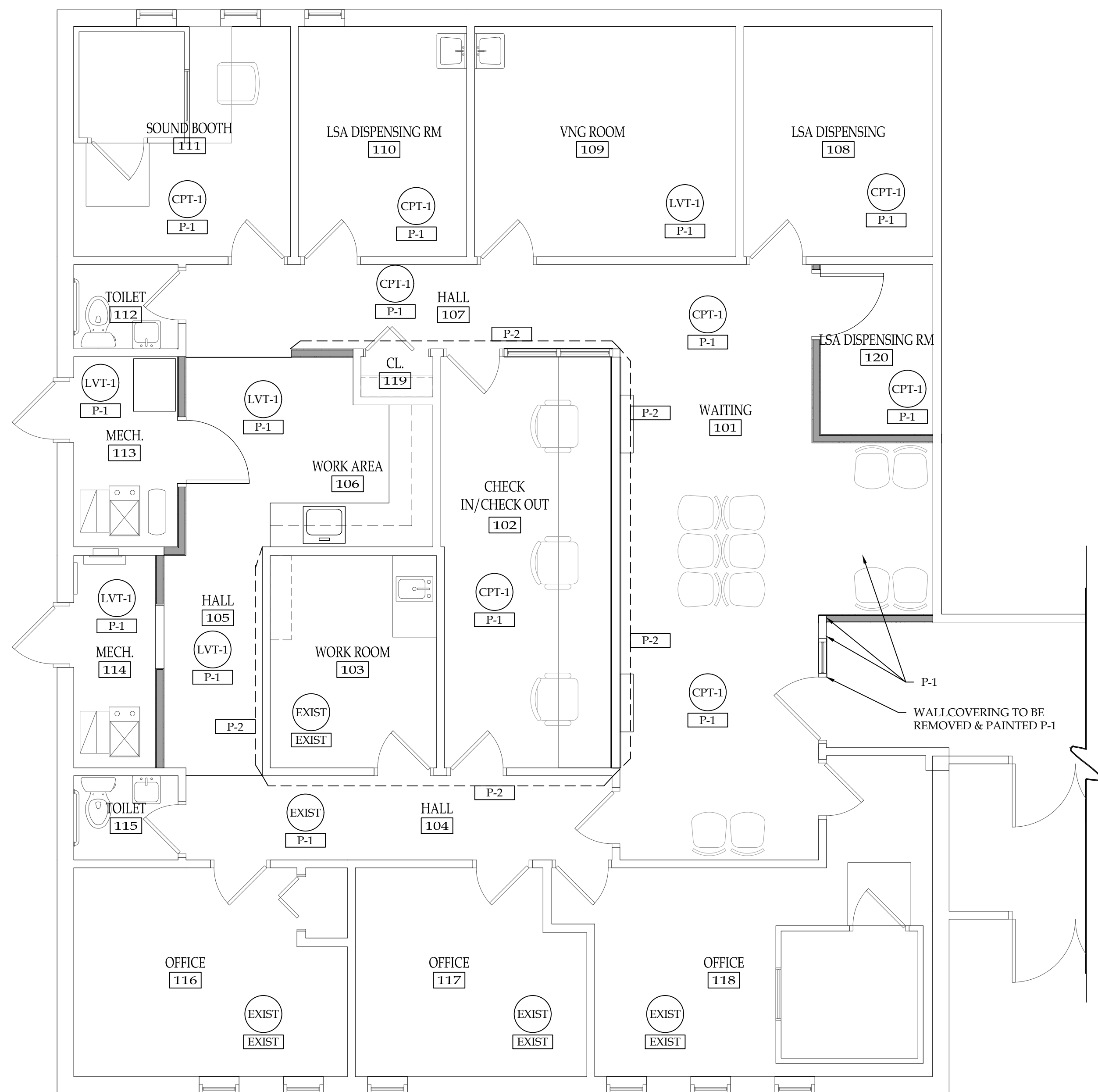
TITLE:
ROOM FINISH SCHEDULE, LEGEND, & GENERAL NOTES



SA JOB #: **21035.02** DATE: **07-28-21**

DRAWING #: **A-601**

E
D
C
B
A



A1 FINISH FLOOR PLAN
SCALE: 1/4"=1'-0"

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Interior Renovations to:
**Hearing
 Evaluation
 Services of
 Buffalo**

2545 Sheridan Drive,
Tonawanda, NY 14150

ISSUE:

SA PROJECT TEAM: PRINCIPAL P.Silvestri
 PROF. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:

**FINISH FLOOR
PLAN**



**SILVESTRI
ARCHITECTS • PC**

1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 21035.02	DATE: 07-28-21
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DRAWING #:
A-602

DOOR AND FRAME SCHEDULE

MARK	LOCATION	DOOR						FRAME			HDW	NOTES	
		TYPE	SIZE			MATL	GLASS	MATL	TYPE	DETAIL			
			WD	HGT	THK					HEAD			JAMB
001	LSA DISPENSING ROOM 120	F	3'-0"	7'-0"	1 3/4"	WD		WD	A	H1	J1	1	
002	MECHANICAL 113	F	3'-0"	7'-0"	1 3/4"	WD		WD	A	H1	J1	1	

HARDWARE SCHEDULE

- * PROVIDE SOLID WOOD BLOCKING AT ALL WALL STOPS
- * ALL HARDWARE TO BE ADA COMPLIANT
- * AT DOORS REQUIRED TO HAVE A FIRE RATING HARDWARE SHALL BE UL LISTED

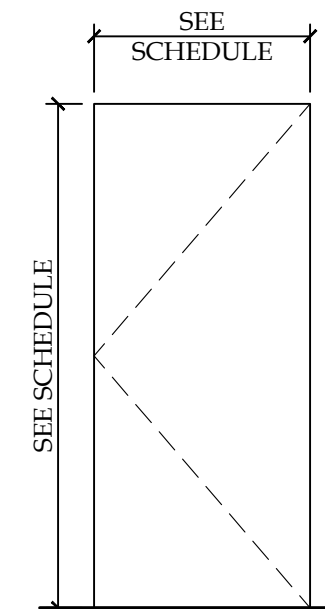
HARDWARE SET #1
EACH DOOR TO HAVE:
3-HINGES
1-PASSAGE LEVER SET
1-WALL STOP

MATERIAL LEGEND:

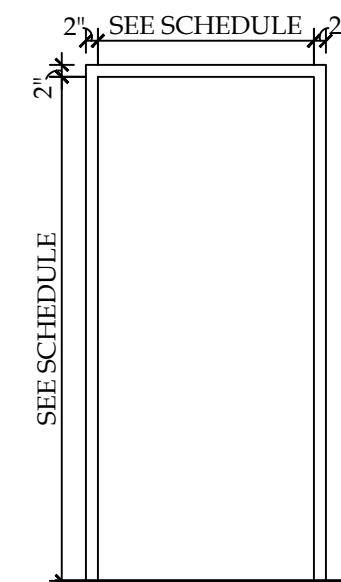
- HM = HOLLOW METAL
- ALUM = ALUMINUM
- WD = WOOD
- T = 1/2" TEMPERED GLASS
- I = 1" INSULATING GLASS
- IT = 1" INSULATING TEMPERED GLASS

DOOR AND FRAME FINISHES:

- HM = PAINT
- ALUM = CLEAR ANODIZED
- WD = STAIN



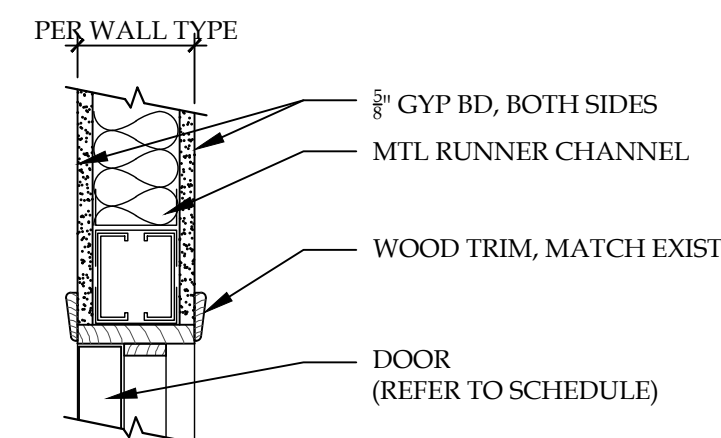
F FLUSH DOOR



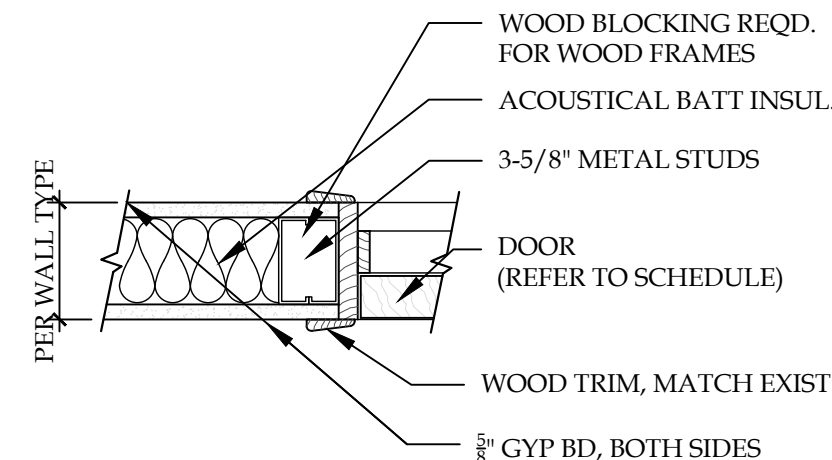
A

D2 DOOR TYPES
SCALE: 3/8" = 1'-0"

D3 FRAME TYPES
SCALE: 3/8" = 1'-0"



H1 WOOD FRAME HEAD AT GYP. BD. WALL



J1 WOOD FRAME JAMB AT GYP. BD. WALL

B2 DOOR HEAD & JAMB DETAILS
SCALE: 1 1/2" = 1'-0"

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TITLE:
DOOR SCHEDULE

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SA JOB #: 21035.02 DATE: 07-28-21

DRAWING #: A-603

HVAC ABBREVIATIONS

AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
BHP	BRAKE HORSEPOWER
CFM	CUBIC FEET PER MINUTE
CU	CONDENSING UNIT
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
E/F	EXHAUST FAN
EWB	ELECTRIC WALL HEATER
F	FAHRENHEIT
FCU	FAN COIL UNIT
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, AIR CONDITIONING
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
MBH	1,000 BRITISH THERMAL UNITS
MCA	MINIMUM CIRCUIT AMPACITY
OED	OPEN END DUCT
RPM	REVOLUTIONS PER MINUTE
RTU	ROOFTOP UNIT
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SP	STATIC PRESSURE
TU	TERMINAL UNIT
VAV	VARIABLE AIR VOLUME
W/WB	WITH WET BULB

HVAC DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY DUCT RISER
	RETURN DUCT RISER
	EXHAUST DUCT RISER
	AIRFOIL TURNING VANES
	DUCT RISE OR DROP
	FLEXIBLE DUCT
	INTERNALLY LINED DUCTWORK
	MANUAL VOLUME DAMPERS
	DIRECTION OF SLOPE (DOWN IN DIRECTION OF ARROW)
	ROUND
	SUPPLY AIR DEVICE - FIRST NO. CFM, SECOND NO. TYPE THIRD NO. NECK SIZE (REFER TO SCHEDULE FOR SIZE)
	RETURN / EXHAUST AIR DEVICE - FIRST NO. CFM, SECOND NO. TYPE THIRD NO. NECK SIZE (IF REQUIRED) (REFER TO SCHEDULE FOR SIZE)
	POINT OF CONNECTION (NEW TO EXISTING)

HVAC CONTROL SYMBOLS

SYMBOL	DESCRIPTION
	TEMPERATURE SENSOR
	PROGRAMMABLE, 7-DAY, 24-HOUR THERMOSTAT
	CONTROL WIRING (PLENUM RATED)

HVAC GENERAL NOTES

- ARCHITECTURAL**
- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
 - LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER AND GRILLE LOCATIONS. LOCATE DIFFUSERS AND GRILLES TO ACCOMMODATE LIGHTING LAYOUT.
 - REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCATION AND RATING OF ALL FIRE WALLS.
- GENERAL**
- THE HVAC CONTRACTOR SHALL VISIT THE JOB SITE AND BE FAMILIAR WITH ALL PROJECT CONDITIONS PRIOR TO FABRICATING DUCTWORK, EQUIPMENT, ETC. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S UNFAMILIARITY WITH PROJECT CONDITIONS.
 - DUCTWORK ROUTING SHOWN IS SCHEMATIC. HVAC CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
 - FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ASHRAE, SMACNA, NFPA, EPA, ETC.
 - PRIOR TO INSTALLATION OF ASSOCIATED WORK, INSTALLER SHALL MEET AT PROJECT SITE WITH GENERAL CONTRACTOR, INSTALLER OF EACH COMPONENT OF ASSOCIATED WORK, INSPECTION AND TESTING AGENCY REPRESENTATIVES (IF ANY), INSTALLERS OF OTHER WORK REQUIRING COORDINATION WITH WORK OF THIS SECTION AND ARCHITECT / OWNER FOR PURPOSE OF COORDINATING LOCATIONS OF PROPOSED SYSTEMS, REVIEWING MATERIAL SELECTIONS, AND PROCEDURES TO BE FOLLOWED IN PERFORMING THE WORK IN COMPLIANCE WITH REQUIREMENTS SPECIFIED.
 - COORDINATE INSTALLATION AND LOCATIONS OF DUCTWORK WITH BUILDING STRUCTURE, PLUMBING PIPING, ELECTRICAL CONDUIT, LIGHTING, ETC. PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND MATERIALS.
 - ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THROUGH WALLS AND ROOF SHALL BE FLASHED AND COUNTERFLASHED IN A WATERPROOF MANNER.
 - MAINTAIN MINIMUM OF TEN (10) FEET BETWEEN OUTDOOR AIR INTAKES AND EXHAUST FAN DISCHARGE, PLUMBING VENTS, ETC.
 - REFER TO PLUMBING DRAWINGS FOR LOCATION AND ROUTING OF ALL GAS PIPING AND WATER HEATER COMBUSTION / EXHAUST AIR DUCTWORK.
 - DIVISION 15 SHALL BE LICENSED TO PERFORM MECHANICAL WORK IN THE MUNICIPALITY IN WHICH THE PROJECT IS LOCATED.
 - DIVISION 15 SHALL GUARANTEE ALL WORK PERFORMED AND MATERIALS FURNISHED UNDER THIS CONTRACT AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE OF THE WORK. ANY DEFECTS SHALL BE RECTIFIED BY DIVISION 15 WITHOUT ANY ADDITIONAL COST TO THE OWNER.
 - WORK SHALL COMPLY WITH THE LATEST REVISIONS OF NEW YORK STATE BUILDING CODE, NEW YORK STATE MECHANICAL CODE, NEW YORK STATE UNIFORM FIRE PROTECTION AND CONSTRUCTION CODE, NEW YORK STATE ENERGY CONSERVATION CODE, LANDLORDS LEASING SPECIFICATION, AND ANY LOCAL CODES OR REGULATIONS THAT APPLY.
 - A. IN CASE OF CONFLICTS BETWEEN DRAWINGS, SPECIFICATIONS, AND INTERPRETATION OF CODES BY LOCAL AUTHORITY, LATER SHALL GOVERN.
- EQUIPMENT**
- ALL HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS AS SHOWN. UTILIZE FACTORY FILTERS DURING CONSTRUCTION AND REPLACE (IN KIND) JUST PRIOR TO TESTING AND BALANCING. ALL FILTERS SHALL BE 1-INCHES THICK. PROVIDE ONE (1) SET OF EXTRA FILTERS FOR EACH UNIT INSTALLED.
 - ALL EQUIPMENT SHALL HAVE A ONE (1) YEAR WARRANTY; COMPRESSORS SHALL HAVE AN ADDITIONAL FIVE (5) YEAR EXTENDED WARRANTY; ROOFTOP UNIT HEAT EXCHANGERS SHALL HAVE AN ADDITIONAL TEN (10) YEAR EXTENDED WARRANTY; PROVIDE WRITTEN GUARANTEE.
 - GENERAL CONTRACTOR SHALL STORE ALL HVAC EQUIPMENT (ROOFTOP UNITS, DUCTWORK, ETC.) THAT ARRIVES AT THE PROJECT SITE. STORE ALL EQUIPMENT IN A DRY PLACE, PROTECTING ALL EQUIPMENT FROM THE WEATHER, CONSTRUCTION TRAFFIC AND THEFT.
- DUCTWORK**
- RUN ALL DUCTWORK TIGHT TO BOTTOM OF STEEL AS POSSIBLE OR RUN THRU OPEN JOIST WEBBING.
 - DUCTWORK SHALL NOT BE SUPPORTED FROM BRIDGING, CONDUIT, PIPING, ETC. OF ANY KIND. DO NOT USE FASTENERS THAT PENETRATE ROOF DECKS.
 - ASPECT RATIO SHALL NOT EXCEED 3:1.
 - ALL DUCTWORK INSTALLATION SHALL RUN CONTINUOUSLY THROUGH PARTITIONS.
 - LOCATE ALL DUCT BALANCING DAMPERS AND CONTROL DAMPERS ABOVE ACCESSIBLE CEILINGS OR PROVIDE CEILING ACCESS DOORS.
 - PROVIDE VOLUME CONTROL DAMPERS WITH QUADRANT AND LOCK AND STANDOFF COLLAR AT ALL BRANCH DUCTS TO DIFFUSERS. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF.
 - DUCTWORK SIZES INDICATED ON DRAWINGS ARE INSIDE, FREE AND CLEAR DIMENSIONS. INCREASE DUCT OUTSIDE DIMENSION SIZE BY TWO (2) TIME THE THICKNESS OF THE INSULATION.
 - ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
 - ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL IN AREAS WITH FINISHED CEILINGS.
 - WHERE RECTANGULAR DUCTWORK IS INDICATED, AND AT INSTALLERS OPTION, SPIRAL AND ROUND DUCTWORK MAY BE SUBSTITUTED FOR RECTANGULAR DUCTWORK PROVIDED THEY ARE EQUIVALENT TO THE RECTANGULAR DIMENSIONS INDICATED ON THE DRAWINGS (i.e.: 8x4 = 8", 10x6 = 10").
 - PROVIDE INTERNALLY LINED SUPPLY AIR DUCTWORK FROM FURNACE UNITS TO A MINIMUM OF 10- FEET AWAY FROM THE UNIT.
 - ALL SQUARE ELBOWS SHALL HAVE AIRFOIL TYPE TURNING VANES.
 - ALL DUCT LINERS SHALL BE MINIMUM 1-1/2" THICK, COATED TO PREVENT ELEMENTS FROM ENTERING THE AIRSTREAM (COATING SHALL MEET ASHRAE 62 - LATEST EDITION), AND ENVIRONMENTALLY FRIENDLY WITH A MINIMUM R-VALUE OF R-6. LINER SHALL BE BLACK IN COLOR SO IT IS NOT NOTICEABLE FROM THE INSIDE OF REGISTERS AND GRILLES.
- CONTROLS**
- ALL CONTROL WIRING AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC) AND NFPA 70.
 - ALL CONTROL WIRING AND POWER CONDUCTOR INSULATION SHALL BE PLENUM RATED.
 - ALL EXPOSED CONTROL WIRING SHALL BE INSTALLED IN 3/4" EMT CONDUIT.
 - PROVIDE ALL RELAY, CONTACTORS, ETC. REQUIRED TO ACHIEVE INTERLOCK OPERATION OF EQUIPMENT.
- BALANCING**
- MECHANICAL CONTRACTOR, WHO IS CERTIFIED BY EITHER THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB); UPON COMPLETION OF THE PROJECT, SHALL PERFORM A COMPLETE TESTING AND BALANCING OF ALL EQUIPMENT. BALANCE SYSTEM TO WITHIN ±5% OF AIR QUANTITIES INDICATED ON PLANS AND SCHEDULES AND PROVIDE THE OWNER WITH A COMPLETE, SIGNED AND SEALED BALANCE REPORT.

AIR DISTRIBUTION DEVICE SCHEDULE

SYMBOL	STYLE & DEVICE SIZE	MOUNTING	DESCRIPTION	MANUFACTURER	MODEL NO.
SUPPLY					
	SUPPLY 24x24	LAY-IN	LOUVERED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 18"x18" BACKPAN (NECK SIZE AS SHOWN FOR FULL PANEL LAY-IN APPLICATION) WITH FULL FACE DIFFUSER, 4-WAY THROW, WHITE FINISH	TITUS	TDC
	SUPPLY 24x24	SURFACE	LOUVERED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 18"x18" BACKPAN (NECK SIZE AS SHOWN FOR FULL PANEL LAY-IN APPLICATION) WITH FULL FACE DIFFUSER, 4-WAY THROW, WHITE FINISH	TITUS	TDC
	SUPPLY 18X18	LAY-IN	LOUVERED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 18"x18" BACKPAN (NECK SIZE AS SHOWN FOR FULL PANEL LAY-IN APPLICATION) WITH FULL FACE DIFFUSER, 2-WAY THROW, WHITE FINISH	TITUS	TDC
RETURN					
	RETURN 24x24	LAY-IN	PERFORATED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 22"x22" BACKPAN FOR FULL PANEL LAY-IN APPLICATION, WHITE FINISH	TITUS	PAR
	RETURN 24x12	LAY-IN	PERFORATED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 23x11" BACKPAN FOR FULL PANEL LAY-IN APPLICATION, WHITE FINISH	TITUS	PAR
	RETURN 10x6	LAY-IN	PERFORATED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 9"x5" BACKPAN FOR FULL PANEL LAY-IN APPLICATION, WHITE FINISH	TITUS	PAR

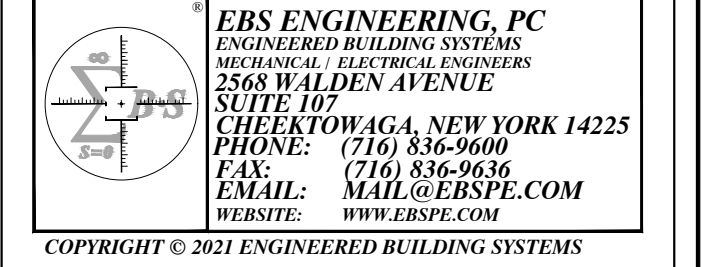
AIR DISTRIBUTION DEVICE NOTES:

- ALL DEVICES SHALL BE FROM A SINGLE MANUFACTURER.
- ALL DEVICES SHALL HAVE MATCHING MATTE, WHITE FINISH (UNLESS OTHERWISE NOTED IN DESCRIPTION ABOVE).
- MAXIMUM NC OF 20.
- COORDINATE EXACT MANUFACTURER AND MODEL OF DIFFUSERS / GRILLES WITH ARCHITECT IN FIELD (TO MATCH EXISTING DIFFUSERS / GRILLES) PRIOR TO INSTALLING DIFFUSERS / GRILLES.
- ACCESSORIES:
 - A. OPERATING KEYS: TOOLS DESIGNED TO FIT THROUGH DIFFUSER FACE AND OPERATE VOLUME CONTROL DEVICE AND / OR PATTERN ADJUSTMENT
- ACCEPTABLE MANUFACTURER'S - TITUS AND PRICE.

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 JOB CAPT. M.Velocci INTERIORS N.Catuzza

SEAL:

TITLE:

MECHANICAL LEGENDS & SCHEDULES

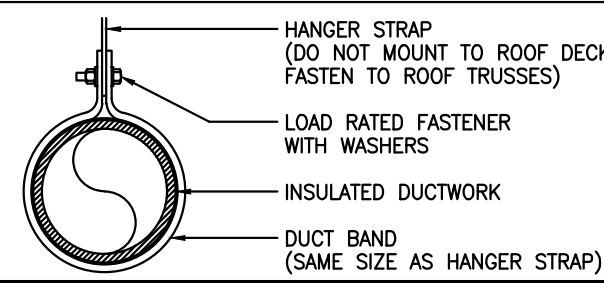


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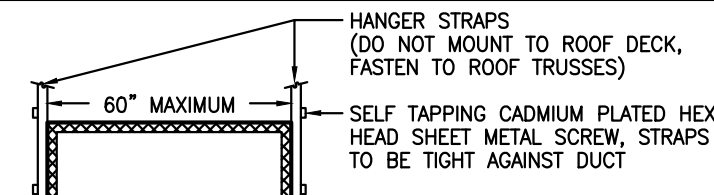
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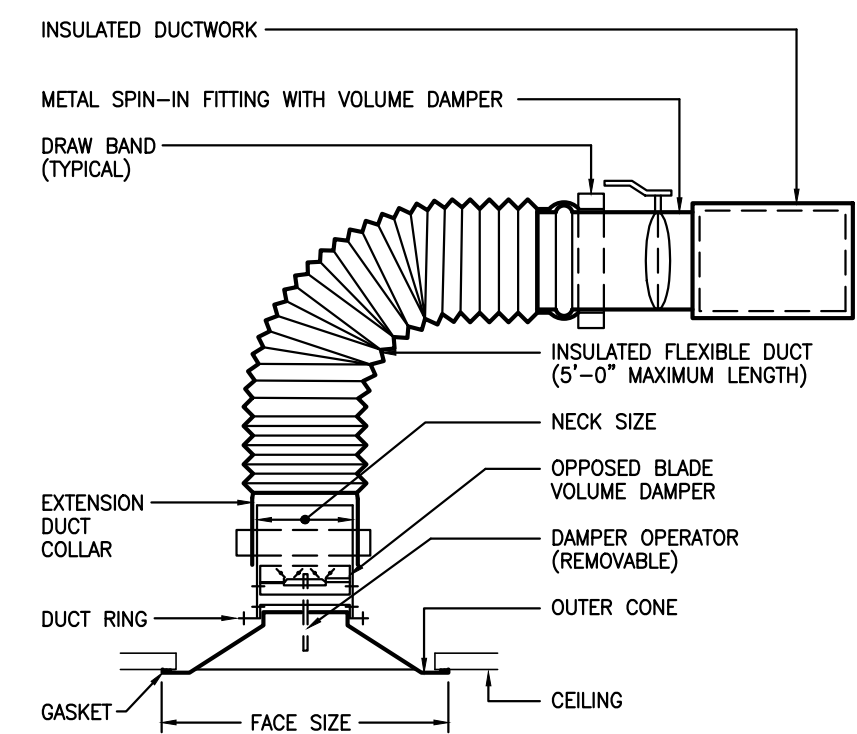


HANGER SIZES FOR ROUND DUCT				
DUCT DIAMETER	ROUND HANGERS	STRAP HANGERS	MAXIMUM SPACING	NUMBER OF HANGERS
UP THRU 30"	1/4" ROD	1" x 16 GAUGE	10'-0"	1
31" THRU 60"	3/8" ROD	1-1/2" x 1-1/2" x 1/8"	10'-0"	1



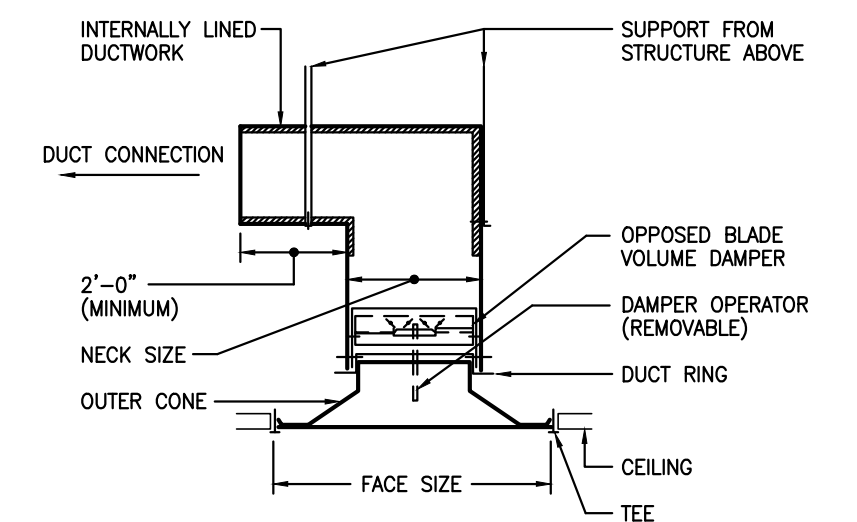
HANGER SIZES FOR RECTANGULAR DUCT				
LONGEST DIMENSION OF DUCT	ROUND HANGERS	STRAP HANGERS	MAXIMUM SPACING	
UP THRU 18"	1/4" ROD	1" x 16 GAUGE	10'-0"	
19" THRU 30"	1/4" ROD	1" x 16 GAUGE	10'-0"	

DUCT HANGER DETAIL

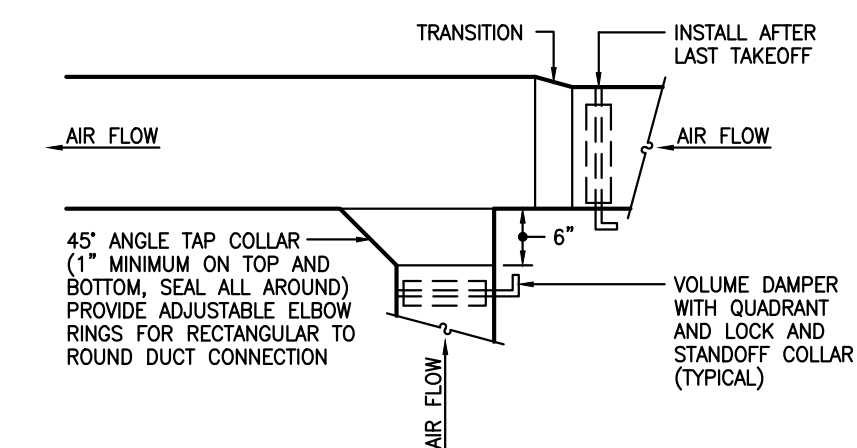


- INSTALLATION NOTES:**
- FASTEN DUCT RING TO EXTENSION DUCT COLLAR WITH SHEET METAL SCREWS.
 - "TAP-OUT" EITHER SIDE OR BOTTOM OF DUCT; TOP "TAP-OUT" IS NOT ACCEPTABLE.

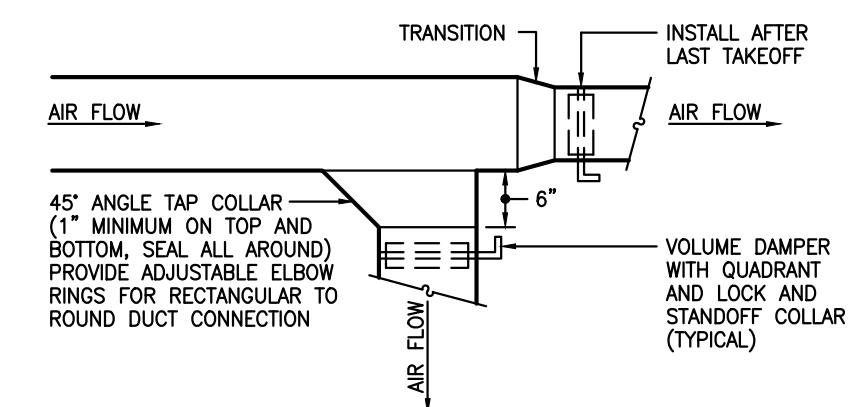
CEILING DIFFUSER CONNECTION DETAIL



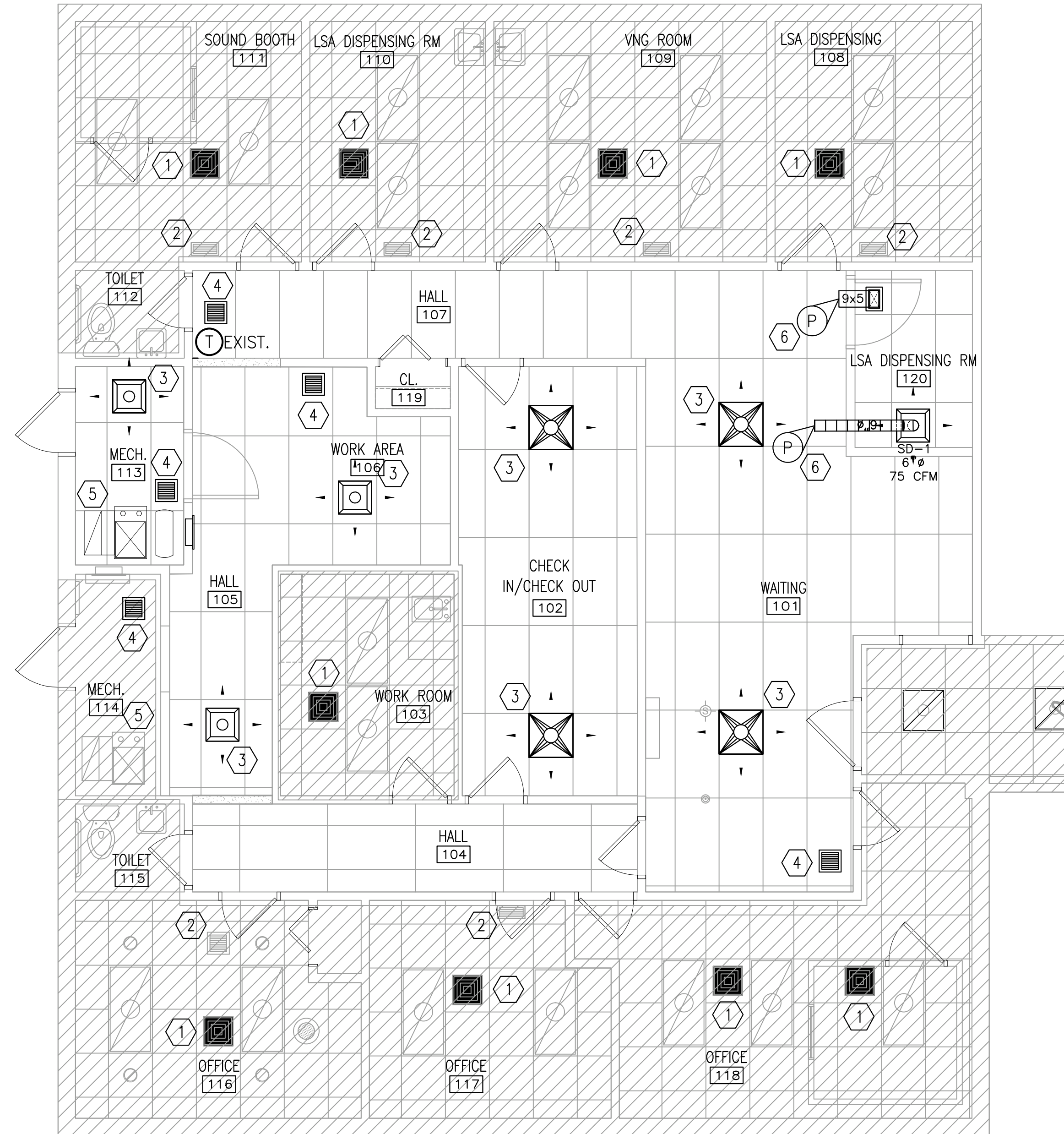
RETURN GRILLE CONNECTION DETAIL



EXHAUST BRANCH TAKEOFF FITTING DETAIL



SUPPLY BRANCH TAKEOFF FITTING DETAIL



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

NOTES: #

- EXISTING SUPPLY DIFFUSER. CLEAN DIFFUSER THOROUGHLY AND MEASURE-RECORD AIRFLOW FOR OWNER'S RECORDS.
- EXISTING RETURN REGISTER. CLEAN REGISTER THOROUGHLY AND MEASURE-RECORD AIRFLOW FOR OWNER'S RECORDS.
- DISCONNECT AND RELOCATE EXISTING SUPPLY TO NEW LOCATION SHOWN. CLEAN REGISTER THOROUGHLY AND MEASURE-RECORD AIRFLOW FOR OWNER'S RECORDS.
- DISCONNECT AND RELOCATE EXISTING RETURN TO NEW LOCATION SHOWN. CLEAN REGISTER THOROUGHLY AND MEASURE-RECORD AIRFLOW FOR OWNER'S RECORDS.
- EXISTING FURNACE TO REMAIN. PROVIDE FOR MAINTENANCE FOR EXISTING EQUIPMENT. PROVIDE NEW FILTERS, CLEAN COILS, CHECK BELTS, PULLEYS, SHEAVES AND CHECK FOR PROPER CONDENSATE DRAINAGE. REPAIR AND REPLACE PARTS IF REQUIRED.
- CONNECT TO EXISTING DUCTWORK.

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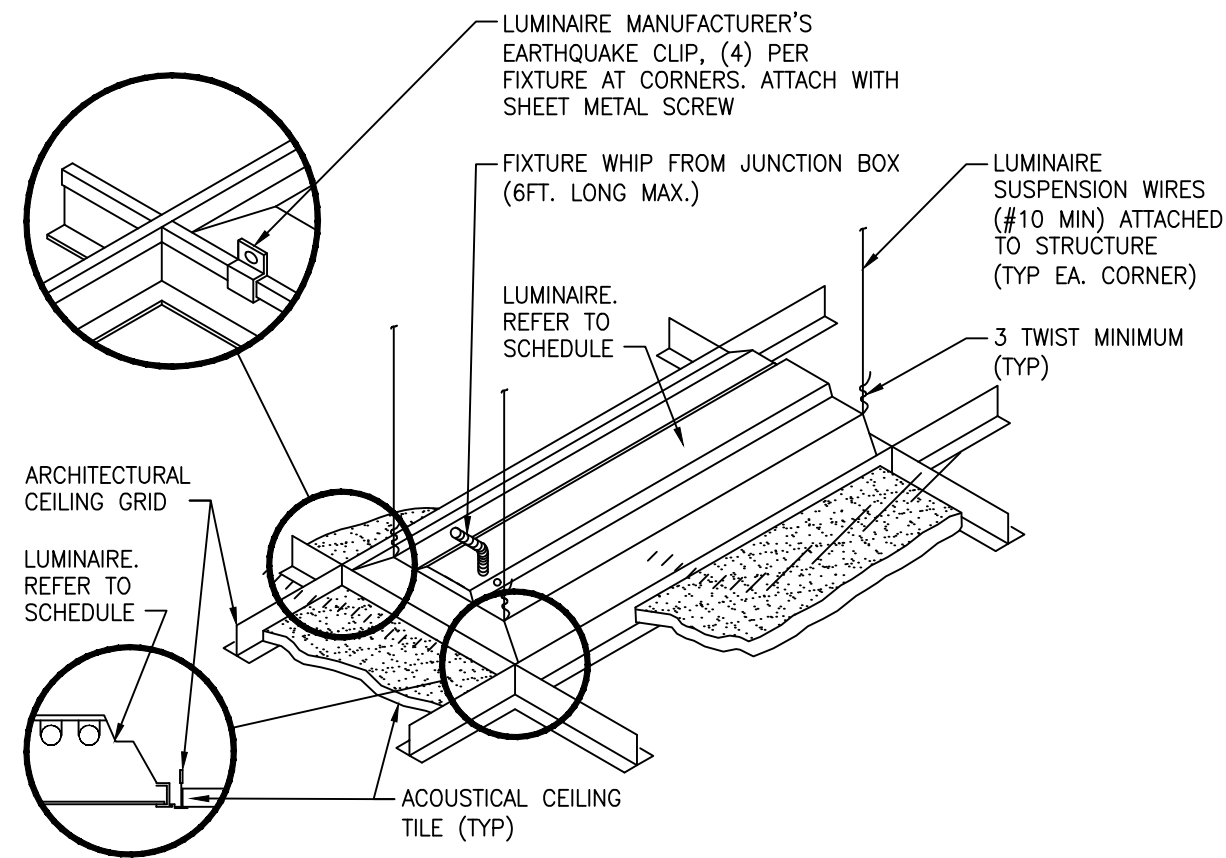
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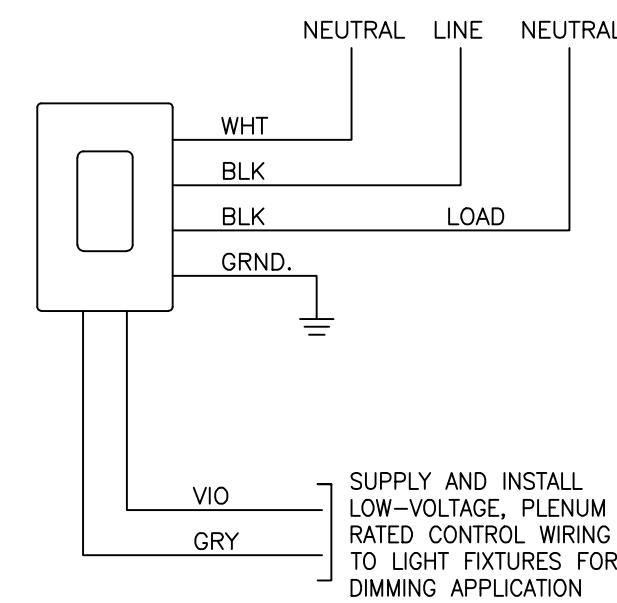
MECHANICAL FLOOR PLAN & DETAILS

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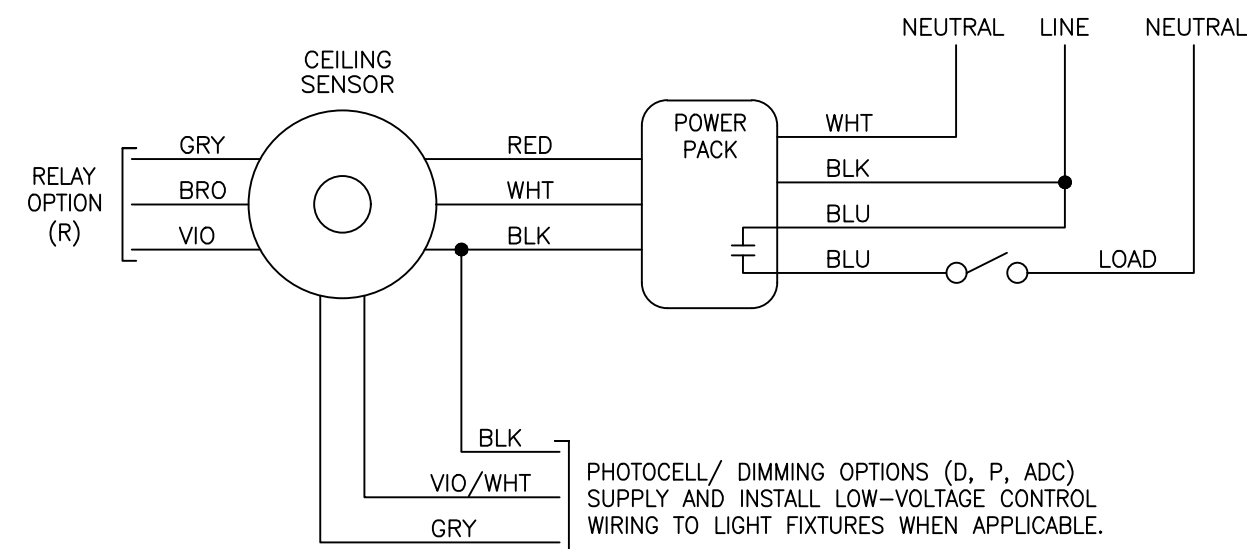


1 LUMINAIRE MOUNTING - LAY-IN CEILING
E-2 SCALE: N.T.S. Electrical Detail



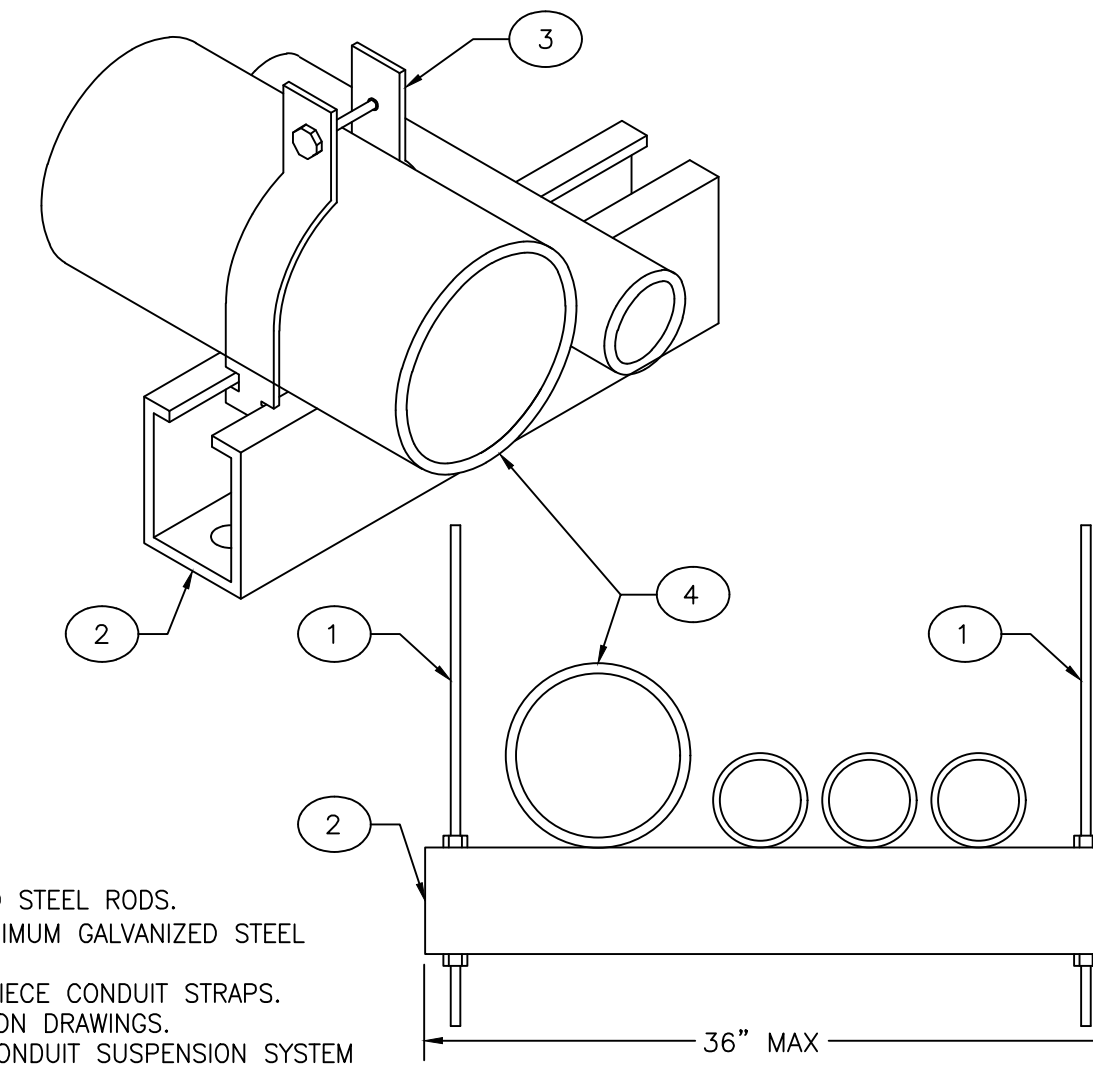
GENERAL NOTES:
 a. DETAIL SHOWN FOR REFERENCE ONLY. INSTALL AND WIRE PER MANUFACTURE INSTRUCTIONS.
 b. PROGRAMMING FUNCTIONS SHALL REMAIN AT DEFAULT SETTING EXCEPT FOR AS FOLLOWS:
 -OCCUPANCY TIME DELAY = 20 MINUTES
 -ON MODE = SET FOR MANUAL ON CONTROL (OFFICES)
 -ON MODE = SET FOR AUTO ON CONTROL (PUBLIC SPACES, I.E. CORRIDORS, CONFERENCE ROOMS, ETC. PER IEC0)
 -ACTIVATE DAYLIGHT HARVESTING CONTROLS FOR ROOMS / AREAS WITH EXTERIOR WINDOWS.

2 TYPICAL 0-10V DIMMING SWITCH
E-2 SCALE: N.T.S. Electrical Detail



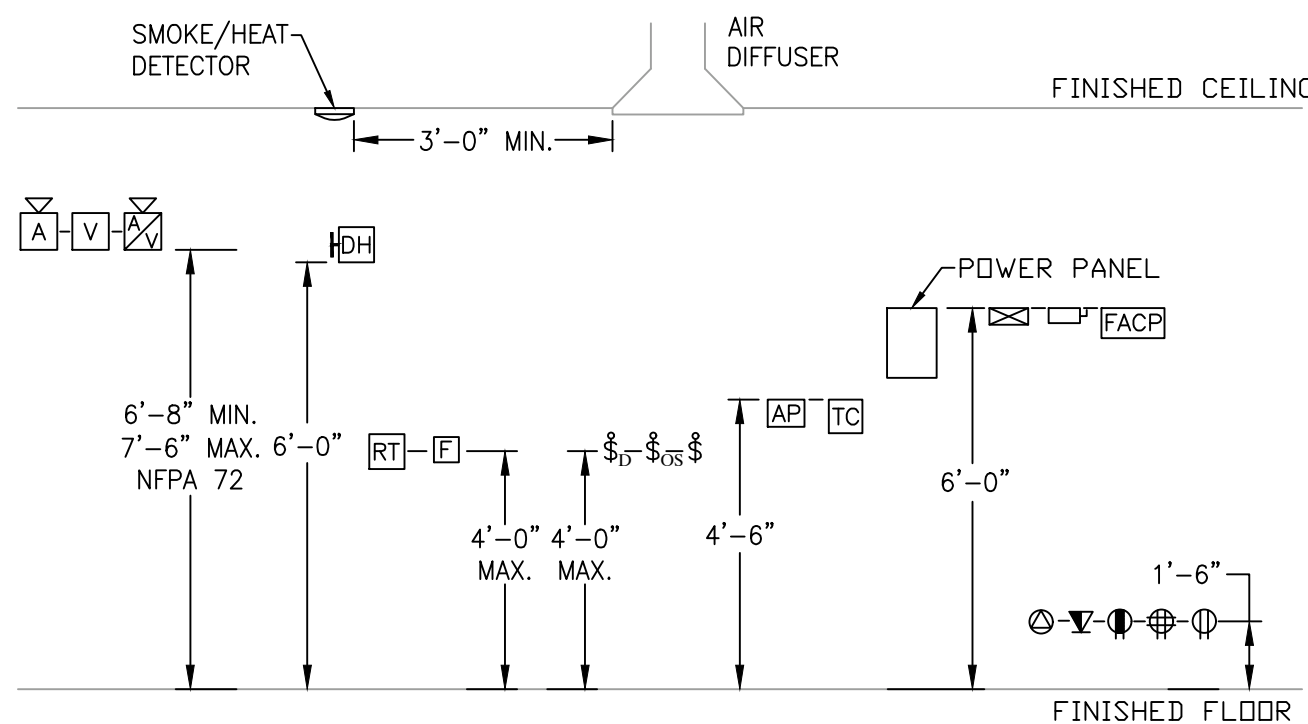
NOTES:
 a. DETAIL SHOWN FOR REFERENCE ONLY. INSTALL AND WIRE PER MANUFACTURE INSTRUCTIONS.
 b. PROGRAMMING FUNCTIONS SHALL REMAIN AT DEFAULT SETTING EXCEPT FOR AS FOLLOWS:
 -OCCUPANCY TIME DELAY = 30 MINUTES
 -PHOTOCELL MODE = DIM ONLY, NO OFF
 -DIMMING RANGE = 10V HIGH, 3V LOW

3 TYPICAL LOW-VOLTAGE CEILING MOUNT OCCUPANY SENSOR
E-2 SCALE: N.T.S. Electrical Detail



KEYNOTES:
 1. 1/2" THREADED GALVANIZED STEEL RODS.
 2. 1-1/2" SQ. 12 GAUGE MINIMUM GALVANIZED STEEL CHANNEL.
 3. SINGLE BOLT CHANNEL 2 PIECE CONDUIT STRAPS.
 4. CONDUIT SIZED AS NOTED ON DRAWINGS.
 5. CONTRACTOR MAY USE A CONDUIT SUSPENSION SYSTEM EQUIVALENT TO THAT WHICH IS 6. DETAILED, HAVING THE FEATURES SHOWN AND APPROVED IN ADVANCE BY THE RESIDENT ENGINEER.
 6. PROVIDE A SAMPLE SUPPORT SYSTEM TO KEEP ON JOB SITE FOR CONSTRUCTION GUIDE PURPOSES.
 7. CONDUIT SUSPENSION SYSTEM SHALL BE INDEPENDENT OF ANY OTHER SUSPENSION SYSTEM.

4 CONDUIT/TRAPEZE MOUNTING DETAIL
E-2 SCALE: N.T.S. Electrical Detail



NOTES:
 A. ALL DEVICES SHOWN MAY NOT BE USED ON DRAWING.
 B. DIMENSIONS ARE TO CENTER OF BOX, UNLESS OTHERWISE NOTED.
 C. FIRE ALARM DEVICES ARE TO BOTTOM OF STROBE LENS.
 D. ALL DIMENSIONS SHOWN ARE ACCURATE UNLESS NOTED OTHERWISE.

5 MOUNTING HEIGHT DETAIL
E-2 SCALE: N.T.S. Electrical Detail

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SEAL:

TITLE:
ONE-LINE DIAGRAM, PANEL SCHEUDLE & DETAILS



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SA JOB #: 21035.02 DATE: 7-20-21

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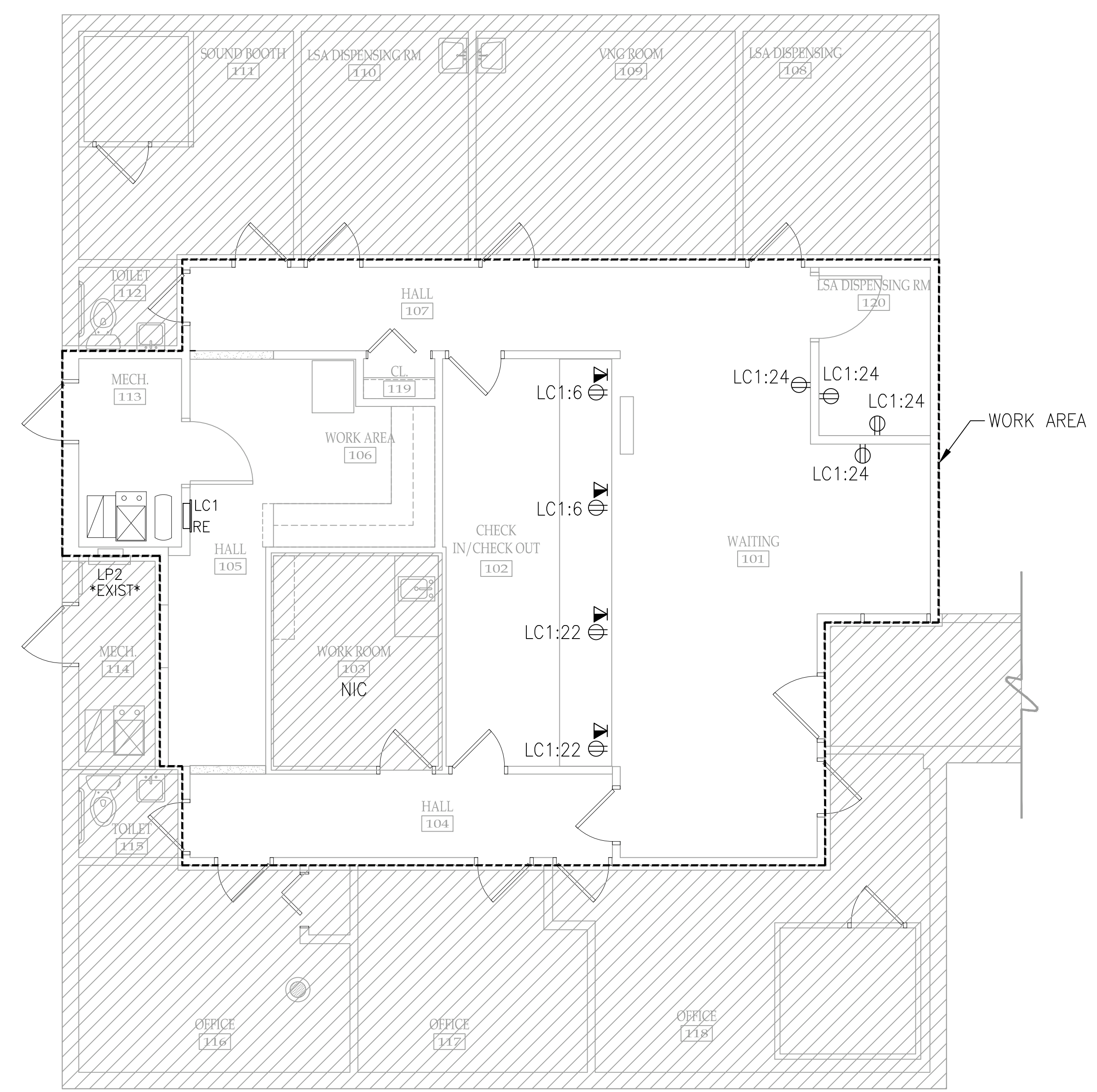
SEAL:

TITLE:
POWER & LIGHTING FLOOR PLAN



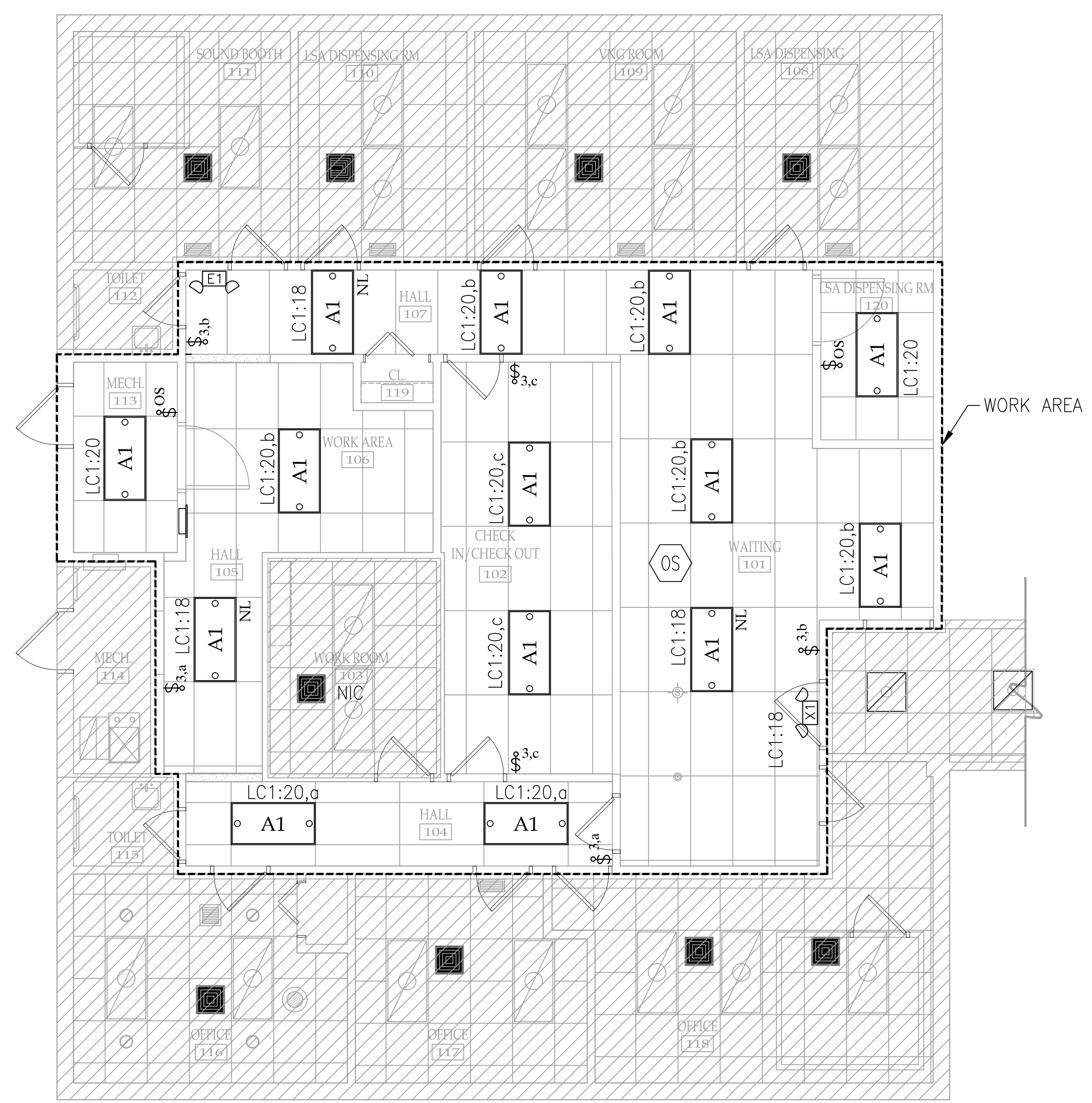
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DRAWING #: E-3



1
E-3 POWER - FLOOR PLAN
 SCALE: 1/4" = 1'-0"

- GENERAL DRAWING NOTES:**
- POWER CIRCUIT WIRING SHALL BE PROVIDED TO DEVICES SHOWN, UNLESS OTHERWISE INDICATED. MINIMUM WIRING SIZE SHALL BE #12 AWG., UNLESS OTHERWISE INDICATED OR REQUIRED AS A RESULT OF HOMERUN LENGTH AS DETERMINED BY THE E.C. DERATING AND CONDUIT FILL SHALL BE AS REQUIRED BY THE NEC.
 - NEW CIRCUIT DEVICES, EQUIPMENT AND LIGHTING FROM PANEL LC1. SEE INDIVIDUAL SYMBOLS FOR CIRCUIT DESIGNATIONS.
 - COMBINATION EXIT SIGN / EMERGENCY LIGHT (X1) AND EMERGENCY LIGHTING UNITS (E1) SHALL BE SUPPLIED, INSTALLED AND WIRED BY OTHERS, SHOWN ON DRAWING FOR REFERENCE ONLY.



2
E-3 LIGHTING - PARTIAL FLOOR PLAN
 SCALE: 1/4" = 1'-0"

- GENERAL DRAWING NOTES:**
- CIRCUIT LIGHT FIXTURES FROM PANEL LC1 UNLESS OTHERWISE NOTED. SEE INDIVIDUAL SYMBOLS FOR CIRCUIT DESIGNATIONS. IN CASES WHERE LIGHT FIXTURES ARE CIRCUITED FROM AN ALTERNATE PANEL, THEY WILL HAVE PANEL AND CIRCUIT DESIGNATIONS IDENTIFIED; EXAMPLE, PP1:20 = PANEL PP1, CKT.20.
 - EXIT SIGNS, EMERGENCY LIGHTING UNITS AND LIGHT FIXTURES WITH "NL" DESIGNATIONS SHALL BE WIRED WITH A CONSTANT 120V POWER CONNECTION AHEAD OF ALL MANUAL AND AUTOMATIC CONTROLS.
 - TOGGLE SWITCH, WALL SWITCH OCCUPANCY SENSOR AND CEILING OCCUPANCY SENSORS SHALL BE WIRED TO CONTROL LIGHT FIXTURES LOCATED WITHIN ASSOCIATED ROOM. IN AREAS WHERE SWITCHING SCHEME IS NOT OBVIOUS, LOWERCASE LETTERS (IE: "a", "b", "c" ETC.) WILL BE SHOWN TO IDENTIFY SWITCHING SCHEME.

- LIGHTING KEYNOTES:**
- NEW COMBO EM/EXIT LIGHT AND EXTERIOR EGRESS HEAD, WIRE TO TENANT PANEL AHEAD OF LOCAL LIGHTING CIRCUIT CONTROLS. EGRESS LIGHTING SHALL BE PROVIDED AT THE EXIT DOORS. INTERIOR EMERGENCY LIGHTING PROVIDED AND WIRED TO LC1 AHEAD OF LOCAL LIGHTING CONTROLS.
 - WIRE OCCUPANCY SENSOR IN MECHANICAL ROOM & WAITING AREA IN

WIRING DEVICES

A. GENERAL:

1. PROVIDE WIRING DEVICES, IN TYPES, CHARACTERISTICS, GRADES AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED WHICH ARE UL LISTED AND WHICH COMPLY WITH NEMA WD 1 AND OTHER APPLICABLE UL AND NEMA STANDARDS.
2. WIRING DEVICE COLOR SHALL BE SELECTED BY ARCHITECT, UNLESS OTHERWISE INDICATED.
3. WIRING COVER OR DEVICE PLATES FOR OUTLET BOXES AS FOLLOWS UNLESS OTHERWISE NOTED:
 - a. FINISHED AREAS: THERMOPLASTIC - COLOR TO MATCH DEVICE.
 - b. UNFINISHED AREAS: ZINC COATED SHEET METAL, ALUMINUM, OR CAST METAL, AS APPROPRIATE FOR THE TYPE OF BOX.
 - c. EXTERIOR AREAS: COPPER FREE ALUMINUM WITH GRAY, POWDER EPOXY FINISH, GASKET, WEATHERPROOF, CROUSE-HINDS "WLRO" FOR DUPLEX RECEPTACLES AND "WLRS" FOR SINGLE RECEPTACLES OR EQUAL.
 - d. TELEPHONE, COMMUNICATION, AND SIGNAL OUTLET PLATES, SHALL MATCH THOSE USED FOR RECEPTACLES AND SWITCHES. ALL OUTLET AND/OR JUNCTION BOXES SHALL BE COMPLETE WITH A COVER PLATE BY THIS CONTRACTOR.
 - e. WHERE DEVICES ARE GANGED, THEY SHALL BE INSTALLED UNDER A COMMON COVERPLATE.
4. LOCATE SWITCHES AND WALL SWITCH SENSORS AT A MAXIMUM HEIGHT OF 4'-0" A.F.F., MEASURED TO CENTER OF BOX, OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS) UNLESS OTHERWISE INDICATED. THE LONG DIMENSION OF THE SWITCHES SHALL BE VERTICAL. INSTALL ALL SWITCHES ON STRIKE SIDE OF DOOR.
5. LOCATE RECEPTACLES AT A MINIMUM HEIGHT OF 1'-6" A.F.F., MEASURED TO CENTER OF BOX, OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS), UNLESS NOTED OTHERWISE. THE LONG DIMENSION OF RECEPTACLES SHALL BE VERTICAL.
6. ALL WIRING DEVICES SHALL BE INSTALLED NEATLY AND PARALLEL WITH BUILDING LINES.

B. SUBMITTALS:

1. SUBMIT DEVICE PRODUCT DATA SHEETS IDENTIFYING MANUFACTURE AND MODEL NUMBERS.

C. RECEPTACLES:

1. PROVIDE NEMA CONFIGURATION 5-20R DUPLEX 125 VOLT GROUNDING TYPE RECEPTACLES RATED FOR 20 AMPERES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. STANDARD RECEPTACLES SHALL BE SPECIFICATION GRADE.
3. GFI RECEPTACLES SHALL BE SPECIFICATION GRADE.
4. RECEPTACLES REQUIRING AMPERAGES, VOLTAGES OR CONFIGURATIONS DIFFERENT FROM THE DUPLEX CONVENIENCE RECEPTACLES ABOVE SHALL BE AS INDICATED ON THE DRAWINGS OR AS REQUIRED FOR EQUIPMENT SUPPLIED BY OTHERS.
5. CONNECT WIRING DEVICE GROUNDING TERMINAL TO BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR.
7. PROVIDE OTHER RECEPTACLES OF A QUALITY, MATERIAL AND WORKMANSHIP EQUAL TO THAT OF ABOVE DESCRIPTIONS.
8. ACCEPTABLE MANUFACTURES INCLUDED EATON/ARROW HART, LEGRAND (P&S), LUTRON, LEVITON OR APPROVED EQUAL. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.

D. WALL SWITCHES:

1. PROVIDE SINGLE-POLE, THREE-WAY, AND FOUR-WAY 20A, 120/277 VOLT HEAVY-DUTY SPECIFICATION GRADE DEVICES WITH COPPER ALLOY CONTACT ARM, HEAVY DUTY BUMPER PADS FOR QUIET, SMOOTH OPERATION, HIGH STRENGTH THERMOPLASTIC POLYCARBONATE TOGGLE, AND SILVER ALLOY CONTACTS.
2. ACCEPTABLE MANUFACTURES INCLUDE EATON/ARROW HART, LUTRON, LEVITON, LEGRAND OR APPROVED EQUAL. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.

E. WALL SWITCHES:

1. PROVIDE SINGLE-POLE, THREE-WAY 120/277 VOLT SPECIFICATION GRADE 0-10V LED DIMMER DEVICES WITH THERMOPLASTIC POLYCARBONATE CONSTRUCTION, SEPERATE ON/OFF CONTROL AND SLIDE ADJUSTER FOR DIMMING. FOR USE WHEN SERVING LED FIXTURES WITH 0-10V DIMMING DRIVERS. INCLUDE LOW-VOLTAGE CONTROL WIRING INSTALLED FROM SENSOR TO DESIGNATED LIGHT FIXTURES FOR DIMMING OPERATION.
2. ACCEPTABLE MANUFACTURERS INCLUDE EATON/ARROW HART, LUTRON, LEVITON, LEGRAND OR APPROVED EQUAL. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.

F. AUTOMATIC LIGHTING CONTROL DEVICES:

1. ALL LIGHTING CONTROL DEVICES MUST BE SELECTED, INSTALLED AND WIRED TO MEET CURRENT LOCAL AND STATE ENERGY CODE REQUIREMENTS. WHEN LOCAL AND STATE CODES ARE NOT APPLICABLE THE 2015 IECC (INTERNATIONAL ENERGY CONSERVATION CODE) SHALL BE APPLIED. ANY DISCREPANCIES BETWEEN THESE DESIGN DOCUMENTS AND CURRENT ENERGY CODES MUST BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BID SUBMISSION.
2. PROVIDE SINGLE RELAY, DUAL TECHNOLOGY, 120/277 VOLT, OCCUPANCY SENSOR WALL SWITCH, UNLESS OTHERWISE INDICATED IN DESIGN DOCUMENTS. BASIC PROGRAMMING SHALL INCLUDE MANUAL ON, AUTOMATIC OFF WITH THE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES IN OFFICES, JANITOR CLOSETS, STORAGE RMS ETC. PER IECC. ALTERNATE PROGRAMMING SHALL INCLUDE AUTOMATIC ON, AUTOMATIC OFF WITH THE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES IN RESTROOMS, CONFERENCE ROOMS, ETC. PER IECC. REMAINING PROGRAMMING OPTIONS SHALL BE FACTORY DEFAULT UNLESS OTHERWISE INDICATED OR REQUIRED.
3. PROVIDE SINGLE ZONE, DUAL TECHNOLOGY 120/277V CEILING MOUNT DIMMING AND PHOTOCONTROL OCCUPANCY SENSOR WITH 360 DEGREE VIEWING ANGLE, UNLESS OTHERWISE INDICATED IN DESIGN DOCUMENTS. PROVIDE ALL REQUIRED POWER PACKS, SLAVE POWER PACKS, CONTROL UNITS, RELAYS, BACKBOXES, MOUNTING PLATES AND OTHER EQUIPMENT NECESSARY FOR PROPER SYSTEM OPERATION. BASIC PROGRAMMING SHALL INCLUDE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES AND DIMMING SET TO 3V. REMAINING PROGRAMMING OPTIONS SHALL BE FACTORY DEFAULT UNLESS OTHERWISE INDICATED.
4. ACCEPTABLE MANUFACTURERS INCLUDE SENSOR SWITCH, WATTSTOPPER, EATON/ARROW HART, LUTRON, LEVITON, LEGRAND OR APPROVED EQUAL. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.

LIGHTING

A. GENERAL:

1. SEE SHEET E-1 FOR PROJECT LIGHT FIXTURE SPECIFICATIONS.
2. ALL LIGHTING FIXTURES SHALL BE UL LISTED AND BARE THE UL LABEL OF APPROVAL
3. LIGHT FIXTURE HOUSINGS RECESSED WITHIN FIRE RATED CEILINGS MUST BE SUPPLIED WITH FIRE RATED COVERS. UTILIZE TENMAT PRODUCTS OR EQUAL. CONFIRM FIRE RATED CEILING LOCATIONS AND TYPES WITH ARCHITECTURAL DRAWINGS.
4. SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS UNLESS OTHERWISE INDICATED.
5. INSTALL LAMPS IN EACH LUMINAIRE AS NEEDED.
6. FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
7. WHERE FIXTURES ARE INSTALLED ON DRYWALL CEILINGS, THEY SHALL BE SUPPORTED FROM THE CEILING FRAMING SYSTEM OR THE BUILDING STRUCTURE. SUPPORT FROM DRYWALL IS NOT ACCEPTABLE.
8. NFPA 70 REQUIRES MINIMUM SUPPORT FOR FIXTURES. REFER TO "LAY-IN CEILING LIGHTING FIXTURES SUPPORTS" PARAGRAPH BELOW FOR MORE SPECIFIC SUPPORT REQUIREMENTS AND FOR REQUIREMENTS EXCEEDING CODE MINIMUMS. FOR PROJECTS REQUIRING SEISMIC DESIGN, ADDITIONAL SUPPORTS, AND RESTRAINING DEVICES BEYOND THOSE SPECIFIED HERE MAY BE REQUIRED.

B. SUBMITTALS:

1. SUBMIT LIGHT FIXTURE DATA SHEETS IDENTIFYING MANUFACTURE AND MODEL NUMBERS.

C. LAY-IN CEILING LIGHTING FIXTURES SUPPORTS:

1. USE GRID AS A SUPPORT ELEMENT.
2. INSTALL CEILING SUPPORT SYSTEM RODS OR WIRES FOR EACH FIXTURE. LOCATE NOT MORE THAN 6 INCHES FROM LIGHTING FIXTURE CORNERS.
3. SUPPORT CLIPS: FASTEN TO LIGHTING FIXTURES AND TO CEILING GRID MEMBERS AT OR NEAR EACH FIXTURE CORNER WITH CLIPS THAT ARE UL LISTED FOR THE APPLICATION.
4. FIXTURES OF SIZES LESS THAN CEILING GRID: INSTALL AS INDICATED ON REFLECTED CEILING PLANS OR CENTER IN ACOUSTICAL PANEL, AND SUPPORT FIXTURES INDEPENDENTLY WITH AT LEAST TWO 3/4-INCH METAL CHANNELS SPANNING AND SECURED TO CEILING TEES.

D. GYPSUM CEILING LIGHTING FIXTURE SUPPORT

1. USE CEILING BEAMS AS SUPPORT ELEMENT.
2. INSTALL CEILING SUPPORT SYSTEM WIRES FOR EACH FIXTURE. LOCATE NOT MORE THAN 6 INCHES FROM LIGHTING FIXTURE CORN
3. SUPPORT SCREWS / WIRE TIES: FASTEN TO LIGHTING FIXTURES AND TO CEILING BEAMS AT OR NEAR FIXTURE CORNER

- E. IMMEDIATELY PRIOR TO OCCUPANCY, DAMP CLEAN ALL DIFFUSERS, GLASSWARE, FIXTURE TRIMS, REFLECTORS, LAMPS AND REPLACE BURNED OUT LAMPS.

SAFETY SWITCHES & FUSES

A. SWITCHES:

1. SAFETY SWITCHES SHALL BE THE ENCLOSED HEAVY-DUTY TYPE (TYPE HD) WITH QUICK-MAKE, QUICK-BREAK MECHANISM AND EXTERNAL PAD LOCKABLE OPERATING HANDLE.
2. SAFETY SWITCHES SHALL BE RATED FOR 240 OR 600 VOLTS AS APPLICABLE. THEY SHALL BE HORSEPOWER RATED WHEN USED IN MOTOR CIRCUITS.
3. SAFETY SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE, 2, 3, OR 4 POLE AS INDICATED ON THE DRAWINGS.
4. SAFETY SWITCHES SHALL BE SINGLE THROW UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
5. ENCLOSURES SHALL BE NEMA 1 INDOORS AND NEMA 3R OUTDOORS UNLESS OTHERWISE INDICATED ON DRAWINGS.
6. MANUFACTURER SHALL BE SQUARE D, SIEMENS, OR CUTLER-HAMMER. ALL SAFETY SWITCHES SHALL BE BY ONE MANUFACTURER.
7. MOUNT THE SAFETY SWITCHES SECURELY BETWEEN 3' X 6' LEVELS ABOVE THE FLOOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
8. SWITCHES ON BLOCK WALLS SHALL BE MOUNTED ON A 3/4" PLYWOOD BACKBOARD, WHERE LOCATED INDOORS.

B. FUSES:

1. THE CONTRACTOR SHALL FURNISH A COMPLETE SET OF FUSES FOR ALL SWITCHES, PLUS FUSIBLE EQUIPMENT FURNISHED BY OTHER TRADES. UNLESS INDICATED OTHERWISE ON PLANS, THE FUSES SHALL BE OF THE FOLLOWING TYPES:
 - a. FUSES 601 TO 6000 AMPS SHALL BE UL CLASS. TRADE TYPE SHALL BE KRP-C AS MANUFACTURED BY THE BUSSMANN COMPANY.
 - b. FUSES 1/10 TO 600 AMPS SHALL BE UL CLASS RK1. TRADE TYPE SHALL BE LOW PEAK LPS-RK (600V) AND LPN-RK (250V) AS MANUFACTURED BY BUSSMANN COMPANY.
 - c. ALL OTHER FUSES SHALL BE DUAL-ELEMENT CURRENT-LIMITING TYPE WITH 200,000 AMPERES SYMMETRICAL INTERRUPTING CAPACITY.
 - d. FUSES SHALL BE MANUFACTURED BY BUSSMANN, GOULD-SHAUMUTT, OR RELIANCE.
 - e. SPARE FUSES AMOUNTING TO A DUPLICATE SET OF EACH SIZE INSTALLED SHALL BE TURNED OVER TO THE OWNER UPON COMPLETION OF THE PROJECT. PROVIDE AND PLACE IN A SPARE FUSE CABINET SIMILAR TO BUSSMANN # 5FC.
 - f. THIS CONTRACTOR SHALL REPLACE ALL FUSES BLOWN DURING CONSTRUCTION.

C. MOTOR CONTROLLERS:

1. TYPE A (FULL VOLTAGE, NON-MAGNETIC, SINGLE PHASE): TOGGLE SWITCH, STAINLESS STEEL ENCLOSURE, THERMOPLASTIC COVERPLATE; SIEMENS CLASS SMF SERIES, OR ACCEPTED EQUAL.
2. TYPE A1 (FULL VOLTAGE, NON-MAGNETIC SINGLE PHASE): SIMILAR TO TYPE A ABOVE, EXCEPT WITH RED PILOT LIGHT; SIEMENS CLASS SMF SERIES, OR ACCEPTED EQUAL.
3. TYPE B (FULL VOLTAGE MAGNETIC): NEMA 1 ENCLOSURE WITH PILOT LIGHT; SIEMENS CLASS 14 SERIES WITH AUXILIARY CONTACTS, OR ACCEPTED EQUAL.
4. TYPE B1 (FULL VOLTAGE, COMBINATION MAGNETIC): FUSIBLE DISCONNECT SWITCH TYPE, NEMA 1 ENCLOSURE, PILOT LIGHT AND HOA IN COVER; SIEMENS CLASS 17 SERIES WITH AUXILIARY CONTACTS, OR ACCEPTED EQUAL.

PANELBOARDS

A. MANUFACTURER:

1. ALL EQUIPMENT IDENTIFIED IN THIS SECTION, AND THROUGHOUT DESIGN DOCUMENTS, IS BASED ON THE MANUFACTURER OF SQUARE-D. ACCEPTABLE ALTERNATE MANUFACTURES INCLUDE CUTLER-HAMMER, SIEMENS OR EQUAL PROVIDED EQUIPMENT MEETS ALL DESIGN CRITERIA AND PHYSICAL CHARACTERISTICS OF THE PROJECT.

B. SUBMITTALS:

1. SUBMIT EQUIPMENT DATA SHEETS INCLUDING CIRCUIT BREAKERS AND ALL ASSOCIATED ACCESSORIES. INFORMATION SHALL INCLUDE EQUIPMENT MANUFACTURE, MODEL NUMBERS AND APPLICABLE SHOP DRAWINGS.

C. GENERAL:

1. PANELBOARDS SHALL BE FULLY RATED TO INTERRUPT SYMMETRICAL SHORT CIRCUIT AT THE TERMINALS.
2. PANELBOARDS SHALL BE LABELED WITH PHENOLIC NAMEPLATES INSCRIBED AS INDICATED ON THE DRAWINGS. PROVIDE ARC FLASH ANALYSIS WITH WARNING LABELS AFFIXED TO PANELBOARDS AS REQUIRED BY NFPA 70E.
3. PANELBOARDS SHALL BE ENCLOSED DEAD FRONT SAFETY TYPE WITH FEATURES AND RATINGS AS SCHEDULED ON THE DRAWINGS.
4. PANELBOARDS SHALL HAVE COPPER OR ALUMINUM (SEE #5 BELOW) BUS WITH BOLTED BREAKERS, FULLY RATED NEUTRAL BUS AND FULLY RATED INTERRUPTING CAPACITY; NO SERIES RATED SYSTEM PERMITTED. PROVIDE WITH BLANK END WALLS (NO PRE-PUNCHED BOXES), DOOR-IN-DOOR OR HINGED TRIM, INTERRUPTING RATING AS CALLED FOR, 24 CIRCUIT MINIMUM PANEL SIZE, FLUSH OR SURFACE MOUNTED AS INDICATED.
5. ALL BUS BARS SHALL BE RECTANGULAR SOLID COPPER. ALUMINUM BUS BARS ARE ACCEPTABLE WHEN ALUMINUM FEEDERS ARE SPECIFIED.
6. PANELS KNOWN AS "LOAD CENTERS" ARE UNACCEPTABLE.
7. SPACES, AS IDENTIFIED IN PANEL SCHEDULES, FOR FUTURE PROTECTIVE DEVICES SHALL INCLUDE BUS AND SUPPORT.
8. INSTALL CABINETS SO THAT CENTER OF THE TOP BREAKER DOES NOT EXCEED 6'-6" ABOVE THE FINISHED FLOOR. APARTMENT UNIT LOAD CENTERS SHALL BE INSTALLED AT HEIGHTS TO MEET ADA REQUIREMENTS.
9. MOLDED CASE CIRCUIT BREAKERS SHALL BE AS SCHEDULED ON THE DRAWINGS AND SPECIFIED IN THIS DIVISION.
10. ALL BREAKERS SHALL BE BOLT-ON TYPE. PUSH-ON TYPE ARE ONLY ACCEPTABLE FOR USE IN "LOAD CENTERS".
11. ALL BOLTED CONNECTIONS SHALL BE TORQUED IN ACCORDANCE WITH MANUFACTURER'S STANDARDS.
12. ELECTRICAL CONTRACTOR SHALL ARRANGE CIRCUITS AS NEAR AS POSSIBLE TO CIRCUIT NUMBERS ON THE DRAWINGS. AT COMPLETION OF JOB, ELECTRICAL CONTRACTOR SHALL TAKE CURRENT READING CHECKS OF RESPECTIVE PHASES. A MINIMUM OF CIRCUIT CONNECTIONS SHALL BE REARRANGED TO BALANCE, AS CLOSELY AS POSSIBLE, THE LOAD IN THE PANEL.
13. GFCI CIRCUIT BREAKERS: SINGLE-POLE AND TWO-POLE CONFIGURATIONS WITH CLASS A GROUND-FAULT PROTECTION (6-MA TRIP).
14. GROUND-FAULT EQUIPMENT PROTECTION (GFEP) CIRCUIT BREAKERS: CLASS B GROUND-FAULT PROTECTION (30-MA TRIP).
15. ARC-FAULT CIRCUIT INTERRUPTER (AFCI) CIRCUIT BREAKERS: COMPLY WITH UL 1699; 120/240-V, SINGLE-POLE CONFIGURATION.
16. PROVIDE (3) SPARE 1" CONDUITS INTO ACCESSIBLE CEILING SPACE WHERE PANELS ARE FLUSH-MOUNTED. PROVIDE REMOVABLE CAP OR PLUG AT CONDUIT AND ABOVE CEILING.
17. ENTRIES ON DIRECTORY CARDS SHALL BE TYPED, COMPLETE AND ACCURATE.

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