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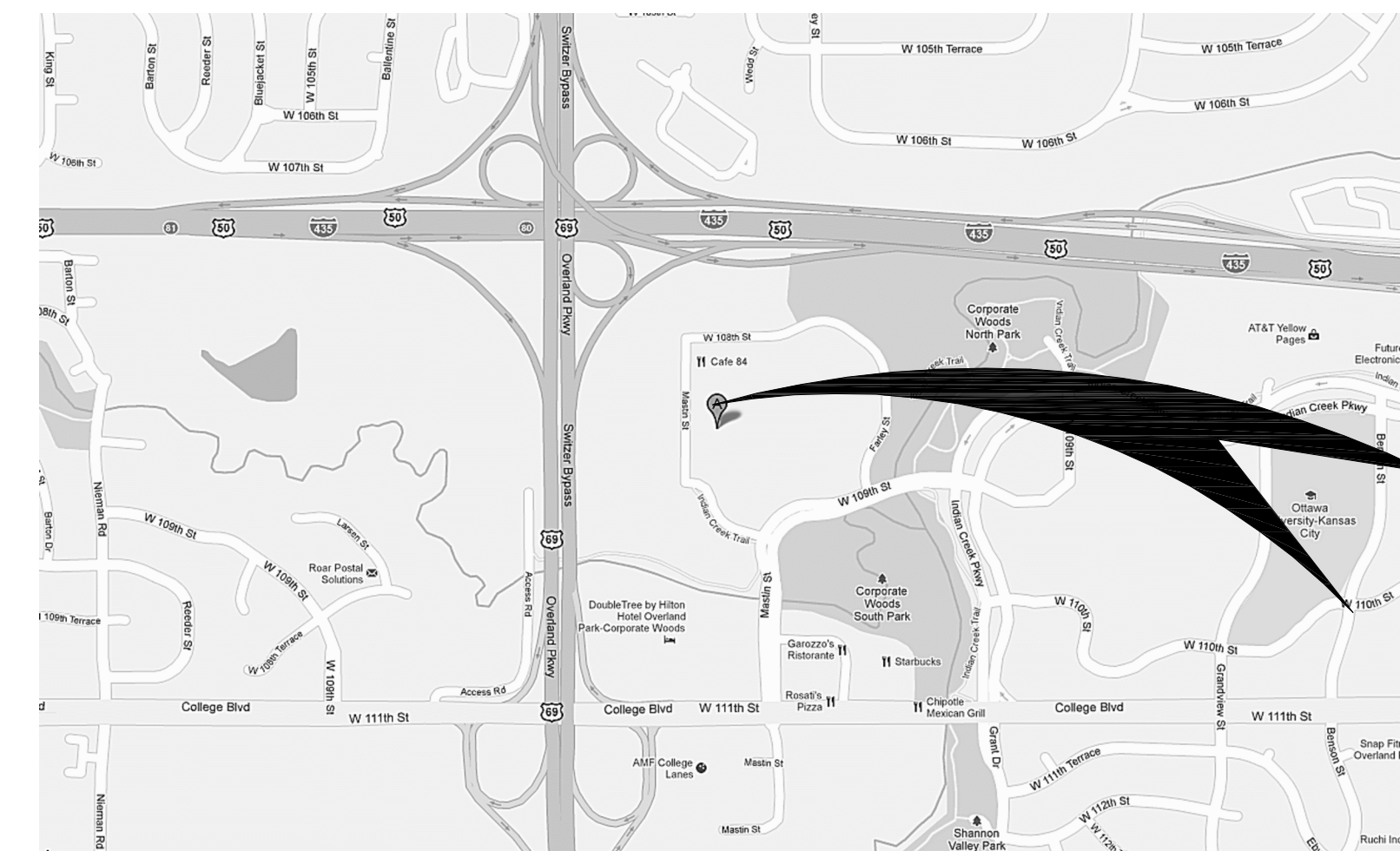
BUILDING INFORMATION

PROJECT NAME:	LINCOLN FINANCIAL ADVISORS
PROJECT LOCATION:	OVERLAND PARK
BUILDING INFORMATION:	
AREA OF CONSTRUCTION:	7,224 USF
FULLY SPRINKLERED:	YES
TOTAL AREA OF LEASE SPACE:	7,224
PRIMARY OCCUPANCY:	B
CONSTRUCTION TYPE:	II A
REQUIRED EGRESS	
OCCUPANT LOAD:	(1004.1) - 7,224 S.F. @ 100 S.F./PERSON = 72
REQUIRED EGRESS WIDTH:	(1005.1) - 72 X 0.15" = 10.8 OR (1) 32" DOOR
MAXIMUM ALLOWABLE EXIT ACCESS TRAVEL DISTANCE:	(1016.1) - 300 FT (SPRINKLERED)
REQUIRED EXIT:	(1015.1) - (2) 32" DOORS
PROVIDED WIDTH:	108" (3) DOORS
BUILDING CODE:	2012 INTERNATIONAL BUILDING CODE
PLUMBING CODE:	2012 INTERNATIONAL PLUMBING CODE
MECHANICAL CODE:	2012 INTERNATIONAL MECHANICAL CODE
ELECTRICAL CODE:	2011 NFPA 70 NATIONAL ELECTRICAL CODE, 2011 EDITION
FIRE CODE:	2012 INTERNATIONAL FIRE CODE
ENERGY CODE:	2012 INTERNATIONAL ENERGY CONSERVATION CODE
GAS CODE:	2012 INTERNATIONAL FUEL GAS CODE

GENERAL NOTES:

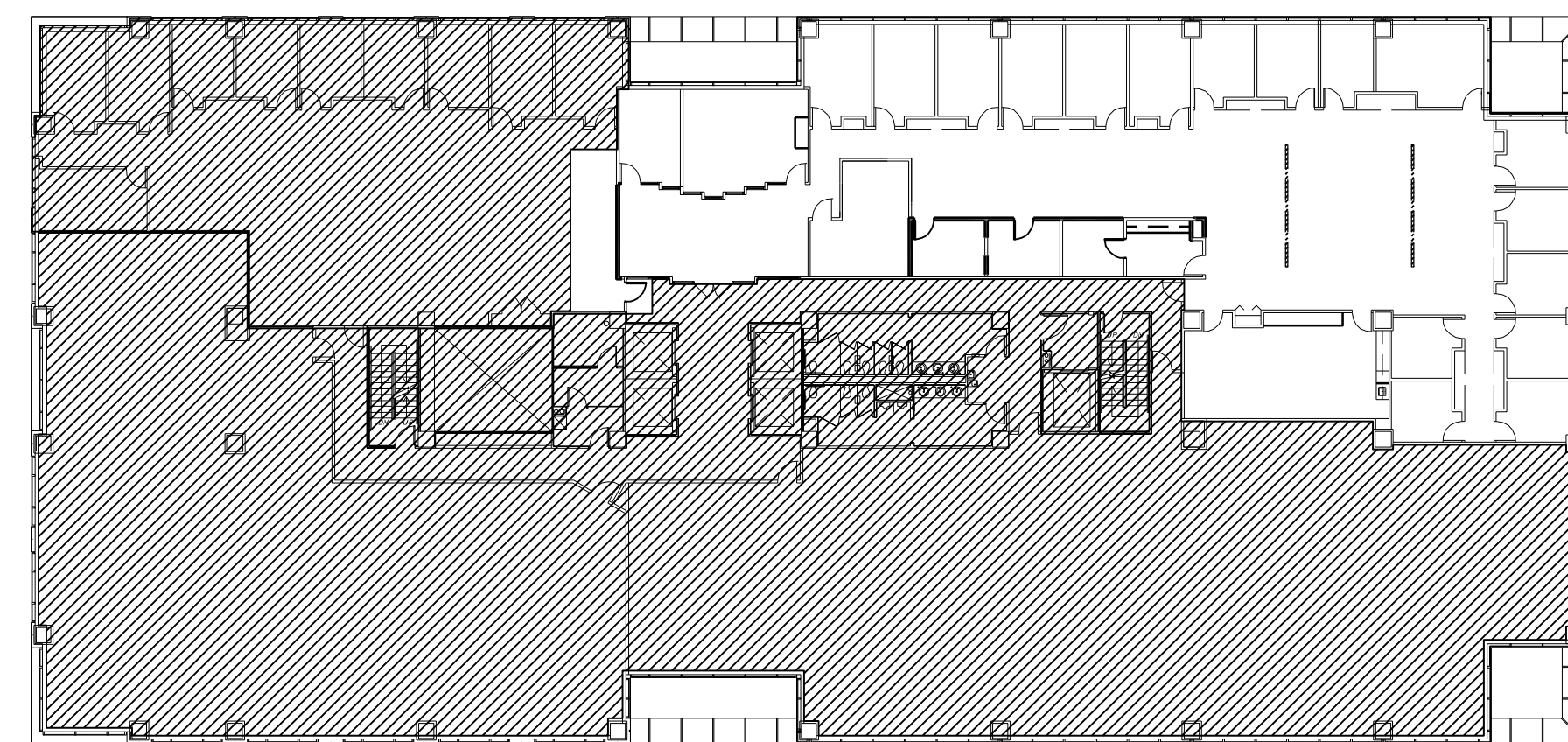
1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES AND ORDINANCES.
2. THE GENERAL CONTRACTOR WARRANTS WITH HIS BID THAT HE HAS VISITED THE SITE AND ACCEPTS ALL EXISTING CONDITIONS UNLESS CONCEALED.
3. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS, LOCATIONS AND CHARACTERISTICS OF ALL WORK AND EQUIPMENT, AND COORDINATE WITH THE MANUFACTURER OR SUPPLIER PRIOR TO THE START OF RELATED WORK. IF CONFLICT OCCURS, CONTACT THE ARCHITECT.
4. THERE SHALL BE NO CHANGES WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND OWNERS.
5. ANY VARIATIONS FROM INDICATED DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT. THE WORK IN THE AREA IN QUESTION SHALL NOT PROCEED UNTIL APPROVED BY THE ARCHITECT.
6. MANUFACTURERS' NAMES, TRADEMARKS, LOGOS, ETC., SHALL NOT BE VISIBLE TO THE PUBLIC.
7. THE CONTRACTOR SHALL COMPLY WITH ALL BUILDING REGULATIONS. SUCH REGULATIONS ARE HEREBY MADE A PART OF THESE CONTRACT DOCUMENTS AND BY REFERENCE ARE INCORPORATED HEREIN AS FULLY AS IF REPEATED AT LENGTH.
8. ANY CONSTRUCTION THAT MAY PRODUCE EXCESS DIRT AND/OR NOISE FROM POWER EQUIPMENT SHALL BE PERFORMED AFTER BUSINESS HOURS AND PLANNED FOR IN THE CONTRACTOR'S PRICE, SPECIFICALLY ALL DEMOLITION, FRAMING AND GYPSUM BOARD INSTALLATION.
9. WHERE EXISTING SURFACES ARE CUT OR DAMAGED, PATCH AND FINISH TO MAKE PATCHING MATCH ADJACENT SURFACE TO TENANT AND OWNERS SATISFACTION.
 - A. FOR CONTINUOUS SURFACES: REFINISH TO THE NEAREST OFFSET, INTERSECTION, OR OTHER EXISTING POINT AT WHICH WORK CAN BE NEATLY TERMINATED.
 - B. FOR ASSEMBLIES: REFINISH ENTIRELY.
 - C. WHERE NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE TRANSITION SMOOTH.
 - D. IF SMOOTH TRANSITION OF NEW WORK TO EXISTING FINISHED SURFACE IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG LEVELING COMPOUND COMPATIBLE WITH SCHEDULED FINISH MATERIAL TO ACHIEVE FINAL LEVELING.
 - E. PROVIDE APPROPRIATE SUPPORT OF SUBSTRATE FOR PATCHING OF FINISHED SURFACES.
 - F. WHERE REMOVAL OF EXISTING CONSTRUCTION EXPOSES ITEMS WHICH WERE PREVIOUSLY CONCEALED, REWORK SUCH ITEMS TO BE CONCEALED IN FINISHED CONSTRUCTION.
 - G. DO NOT CUT OR REMOVE EXISTING STRUCTURAL MEMBERS OR FINISHED SURFACES, OTHER THAN TO THE EXTENT CONTAINED IN THE CONTRACT DOCUMENTS, WITHOUT WRITTEN PERMISSION OF ARCHITECT AND OWNER.
 - H. RETURN ALL SALVAGED BUILDING COMPONENTS TO OWNER UNLESS OTHERWISE DIRECTED BY OWNER.
10. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED. PROVIDE WOOD BLOCKING IN ALL STUD WALLS OF MILLWORK AND SPECIAL ITEM ANCHORING POINTS. WOOD BLOCKING SHALL BE MOISTURE TREATED IF LOCATED IN DAMP LOCATIONS OR ADJACENT TO CONCRETE OR MASONRY CONSTRUCTION.
11. IT IS THE INTENT OF THE DRAWINGS THAT ALL EXPOSED SURFACES RECEIVE FINISHES AS INDICATED ON THE DRAWINGS OR IN THE SPECIFICATIONS UNLESS SPECIFICALLY NOTED OTHERWISE. ANY SURFACES WHICH DO NOT HAVE A SPECIFIC FINISH NOTED, OR ARE NOTED TO REMAIN UNFINISHED, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND FINISHED PER THE ARCHITECT'S INSTRUCTIONS.
12. CONTRACTOR TO COORDINATE WITH BUILDING MANAGEMENT FOR RULES AND REGULATIONS REGARDING CONDUCT OF CONSTRUCTION PERSONNEL AS WELL AS PROCEDURES AND SCHEDULING OF CONSTRUCTION ACTIVITIES, AS WELL AS TO ASSURE THAT ADEQUATE STANDARDS OF CLEANING PROCESSES ARE MAINTAINED. PROTECTION OF EXISTING FINISHES THROUGHOUT THE BUILDING IS REQUIRED AT ALL TIMES. ANY DAMAGE INCURRED TO WALLS, FLOORING, ETC. MUST BE FULLY REPAIRED.
13. GENERAL CONTRACTOR AND SUBCONTRACTORS TO FIELD VERIFY ALL EXISTING SIZES, LOCATION AND CHARACTERISTICS OF EXISTING EQUIPMENT BEFORE CONSTRUCTION AND TO FULLY COORDINATE TO DESIGN DOCUMENTS TO CORRECT ANY FIELD CONDITIONS OR CONFLICTS AS REQUIRED. PROPER MAINTENANCE AND SERVICE ACCESS TO ALL ABOVE-CEILING EQUIPMENT IS TO BE MAINTAINED, AND GENERAL CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFIRMING ALL ROUTING OF PLUMBING, DUCTWORK, AND OTHER SERVICES AS APPLICABLE. ANY ABANDONED ELECTRICAL AND/OR VOICE/DATA CABLING TO BE REMOVED.
14. GENERAL CONTRACTOR TO PROVIDE FOR COMPLETE AIR BALANCE OF LEASE PREMISES, AS WELL AS ANY OTHER OVERLAPPING ZONES, UPON COMPLETION OF PROJECT. NOTE THAT NO NEW OR EXISTING PERIMETER SLOTS OR DIFFUSERS CAN SPAN A PARTITION; RELOCATE ALL SLOTS TO INSIDE OF INDIVIDUAL ROOMS.
15. ITEMS NOT NOTED ABOVE OR CLEARLY INDICATED IN CONSTRUCTION DRAWINGS TO BE SUBMITTED TO ARCHITECT OFFICE FOR CLARIFICATION. NO SUBSTITUTIONS TO BE MADE FOR ANY SPECIFIED PRODUCT WITHOUT EXPRESS APPROVAL BY ARCHITECT.
16. ALL SUBCONTRACTORS TO CLEAN ALL AREAS DURING AND AFTER CONSTRUCTION AND TO MAKE READY FOR OTHER TRADES TO FOLLOW. AT FINAL PHASE, CONSTRUCTION AREAS TO BE FULLY CLEANED FOR OCCUPANCY, INCLUDING DOORS, FRAMES, WALLS, CEILINGS, LIGHT FIXTURES, MILLWORK, WINDOWS, WINDOW TREATMENTS, HVAC DISTRIBUTION, GRILLES, MULLIONS, SILLS, ETC.
17. DISPOSAL OF DEBRIS:
 - A. REMOVE AND DISPOSE OF WASTE MATERIALS OFF SITE.
 - B. STORE ITEMS DESIGNATED TO REMAIN PROPERTY OF TENANT AND OWNER IN BUILDING WHERE DIRECTED.
 - C. G.C. TO PROVIDE DUMPSTER FOR PROJECT. DO NOT USE BUILDING'S TRASH CONTAINER.
18. ALL CARPET TYPE TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOORS. ALL CARPET TO VINYL TRANSITIONS SHALL OCCUR AT CENTERLINE OF DOORS WITH RUBBER TRANSITION STRIP TO MATCH RUBBER BASE.
19. SMOKING ON THE JOB SITE IS NOT PERMITTED EXCEPT IN DESIGNATED AREAS OUTSIDE OF THE BUILDING.
20. GENERAL CONTRACTOR TO PROVIDE RECORD DRAWINGS WITHIN 15 DAYS AFTER CONSTRUCTION COMPLETION, REFER SPECIFICATIONS, 01700.

LOCATION MAP



KEY PLAN - NINTH FLOOR

NOT TO SCALE



INDEX OF SHEETS

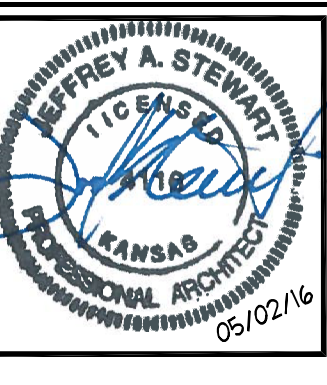
- ARCHITECTURAL**
- A1.1 COVER SHEET/GENERAL NOTES
 - A1.2 SPECIFICATIONS
 - A1.3 SPECIFICATIONS
 - A1.4 SPECIFICATIONS
 - A1.5 SPECIFICATIONS
 - A2.1 DEMOLITION PLAN
 - A3.1 CONSTRUCTION PLAN
 - A3.2 TELEPHONE, ELECTRICAL, DATA PLAN & REFLECTED CEILING PLAN
 - A3.3 FINISH PLAN
 - A4.1 INTERIOR ELEVATIONS & SECTIONS
 - A4.2 ADD ALTERNATE (RECEPTION DESK) ELEVATIONS & SECTIONS
 - A5.1 PARTITION TYPES, DOOR TYPES, DOOR SCHEDULE,

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- FP3.1 FIRE PROTECTION PLAN
- M1.1 MECHANICAL SPECIFICATIONS
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- M4.1 MECHANICAL DETAILS
- E1.1 ELECTRICAL SPECIFICATIONS
- E2.1 ELECTRICAL DEMOLITION PLAN
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- E3.2 ELECTRICAL LIGHTING PLAN
- E4.1 ELECTRICAL DETAILS

ALTERNATES

ALTERNATE #1: CONTRACTOR TO PROVIDE SEPARATE PRICING FOR MILLWORK IN RECEPTION AREA 900; REFER TO SHEET A4.2 FOR DETAILS.



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REVISIONS:

PROJECT NO:
410,225,00
DRAWN BY:
STAFF
DATE:
05.02.16
CHECKED BY:
AC
ISSUED FOR:
BID & PERMIT

A1.1
COVER SHEET
GENERAL NOTES

ELECTRICAL SPECIFICATIONS

PART 1 - GENERAL

- 1.01 RELATED DOCUMENTS:
THE GENERAL DOCUMENTS APPLY TO WORK SPECIFIED IN THIS SECTION; CONSULT THEM IN DETAIL FOR APPLICABLE INSTRUCTIONS.
- 1.02 WORK INCLUDED:
PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE ALL WORK OF THIS SECTION, WITHOUT RESTRICTING THE GENERALITY OF THE FOREGOING, THE FOLLOWING ITEMS OF WORK ARE INCLUDED:
A. PERMITS AND FEES
B. TEMPORARY POWER AND LIGHT
C. PANELBOARDS
D. TELEPHONE PROVISIONS
E. RACEWAYS
F. BOXES
G. WIRING
H. GROUNDING
I. FIRE ALARM/SPRINKLER
J. LIGHTING FIXTURES AND LAMPS
K. WIRING DEVICES AND PLATES
L. CONNECTIONS TO EQUIPMENT
M. DIRECTORIES AND NAMEPLATES
N. TESTING
O. CLEANING AND REMOVAL OF RUBBISH
P. SUBMITTALS
- 1.03 RELATED WORK OF OTHER SECTIONS
A. CONCRETE AND MASONRY
B. PAINTING
- 1.04 QUALITY ASSURANCE
A. USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR THE PROPER PERFORMANCE OF THE WORK OF THIS SECTION.
B. ALL WORK SHALL BE OF THE HIGHEST QUALITY IN CONFORMANCE WITH THE BEST PRACTICES OF THE TRADE AND IN COMPLIANCE WITH ALL GOVERNING CODES.
- 1.05 CODES, PERMITS, FEES, AND REGULATIONS
A. ALL WORK SHALL BE CARRIED OUT IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE NATIONAL ELECTRICAL CODE AND OF THE VARIOUS LOCAL AGENCIES HAVING JURISDICTION.
B. THE CONTRACTOR SHALL GIVE ALL NECESSARY NOTICES, OBTAIN ALL PERMITS AND PAY ALL GOVERNMENTAL TAXES, FEES, DEPOSITS AND OTHER COSTS IN CONNECTION WITH HIS WORK; FILE ALL NECESSARY PLANS, PREPARE ALL DOCUMENTS AND OBTAIN NECESSARY APPROVALS OF ALL AGENCIES HAVING JURISDICTION; OBTAIN ALL REQUIRED CERTIFICATES OF INSPECTION AND APPROVALS FOR HIS WORK AND DELIVER SAME TO THE ARCHITECT BEFORE REQUEST FOR ACCEPTANCE AND FINAL PAYMENT FOR THE WORK.
- 1.06 STORAGE OF MATERIALS
A. STORE MATERIALS AND EQUIPMENT ON THE PREMISES WHERE DIRECTED BY THE OWNER.
- 1.07 OTHER TRADES
A. BIDDERS SHALL EXAMINE THE SITE AND THE COMPLETE SET OF PLANS AND SPECIFICATIONS COVERING THE ENTIRE PROJECT. THEY SHALL BECOME FULLY CONVERSANT WITH THE TYPE OF GENERAL CONSTRUCTION AS WELL AS ALL PERTINENT FACTS AFFECTING THE COST OF CARRYING OUT THE WORK THEY WILL CONTRACT TO PERFORM.
B. THIS CONTRACTOR SHALL COOPERATE TO THE FULLEST WITH ALL OTHER TRADES. HE SHALL PLAN HIS WORK IN SUCH A MANNER AND FURNISH ALL NECESSARY EQUIPMENT AND INFORMATION TO THE OTHER TRADES SO AS NOT TO DELAY ANY OTHER TRADE OR HINDER THE PROGRESS OF THE WORK.
- 1.08 SUBMITTALS
A. SUBMIT MANUFACTURERS TECHNICAL PRODUCT DATA LITERATURE FOR ALL MATERIALS SPECIFIED HEREIN. INDICATE AND HIGH LIGHT ON THE SUBMITTALS DETAILS OF ALL ITEMS TO INDICATE CORRECT INTERPRETATION OF THE CONTRACT DOCUMENTS. INCLUDE SUBMITTALS FOR THE FOLLOWING:
1. FIRE ALARM
2. LIGHTING FIXTURES
3. WIRING DEVICES
4. PANELBOARDS
5. SECURITY WILL BE DESIGN/BUILD BY OTHERS.
- 1.09 CONTRADICTIONS
A. ANY CONTRADICTIONS BETWEEN THE WRITTEN SPECIFICATIONS AND DRAWINGS SHALL BE CONSIDERED AMBIGUOUS, AND WILL BE THE RESPONSIBILITY OF THE BIDDER TO SECURE CLARIFICATION PRIOR TO BIDDING.

PART 2 - PRODUCTS

- 2.01 GENERAL
A. ALL MATERIAL, EQUIPMENT, AND INSTALLATIONS SHALL CONFORM TO THE REQUIREMENTS OF THE FOLLOWING CODES:
1. NATIONAL ELECTRICAL CODE
2. STATE BUILDING CODE(IF APPLICABLE)
3. OSHA
4. LOCAL JURISDICTIONAL CODES
- 2.02 PANELBOARDS
A. PANELBOARDS ARE EXISTING AS DETAILED ON THE DRAWINGS COMPLETE WITH REQUIRED CIRCUIT BREAKERS.
B. CIRCUIT BREAKERS SHALL BE QUICK MAKE, QUICK BREAK, THERMAL MAGNETIC, TRIP INDICATING, AIC RATING, AMPLACITY, SIZE, AND DETAILS OF PANELBOARDS AND BRANCH CIRCUIT, CIRCUIT BREAKERS SHALL BE AS INDICATED ON THE DRAWING PANEL SCHEDULES.
C. PANELBOARD MANUFACTURER SHALL PROVIDE ARC FLASH WARNING LABELS FOR ALL NEW PANELS IN ACCORDANCE WITH NEC 110. MANUFACTURER SHALL COORDINATE WITH LOCAL UTILITY FOR THE CALCULATED FAULT CURRENT AND PROVIDE ON WARNING LABEL PER NEC 110.24(B).
D. MARK ALL SWITCHBOARDS AND PANELBOARDS WHERE FEEDER ORIGINATES PER NEC 408.4(B)
- 2.03 LIGHTING FIXTURES AND LAMPS
A. ALL EXISTING LIGHT FIXTURES IN PROJECT AREA SHALL BE RELAMPED AND CLEANED.
- 2.04 WIRING DEVICES
A. FURNISH AND INSTALL QUALITY DEVICES BEARING UL LABEL FOR THE SERVICE AND ELECTRICAL RATING WHERE USED.
1. SWITCHES SHALL BE 20 AMPERE, 120/277 VOLT A.C. RATED AS SCHEDULED IN LEGEND.
2. GFCI DEVICES SHALL BE 20 AMPERE DUPLEX W/U GROUND PIN.
3. LABEL CIRCUIT #'S ON COVERPLATES.
B. ALL LIGHTING SWITCH LEGS SHALL CONTAIN A #12 NEUTRAL CONDUCTOR TO COMPLY WITH NEC 404.2(C)
C. A DISCONNECTING MEANS SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR QUALIFIED PERSONS TO SERVICE AND MAINTAIN THE BALLASTS OF ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE ENDED LAMPS OR BALLASTED LUMINAIRES THAT ARE SUPPLIED FROM MULTIWIRE BRANCH CIRCUITS. THE DISCONNECTING MEANS SHALL DISCONNECT SIMULTANEOUSLY ALL CONDUCTORS INCLUDING THE GROUNDING CONDUCTOR PER NEC 410.130(G)
- 2.05 RACEWAYS
A. ALL BRANCH CIRCUIT WIRING SHALL BE IN RIGID GALVANIZED CONDUIT WHERE EXPOSED TO DAMAGE AND PUBLIC; E.M.T. WITHIN BUILDING INTERIOR PROVIDED SAME IS FREE FROM EXPOSURE DAMAGE.
B. FLEXIBLE METAL CONDUIT WITH APPROVED TYPE FITTINGS MAY BE USED IN LIMITED LENGTHS FOR CONNECTIONS TO MOTORS AND RECESSED FIXTURES WHERE IT IS NECESSARY TO PROVIDE FLEXIBLE CONNECTIONS. IT MAY ALSO BE USED WHERE THE STRUCTURE PRECLUDES THE USE OF E.M.T. OR CONDUIT.
C. ALL RACEWAYS SHALL BE 3/4" MINIMUM SIZE.
- 2.06 OUTLET AND JUNCTION BOXES
A. OUTLET BOXES FOR CEILING FIXTURES SHALL BE 4" OCTAGONAL GALVANIZED STEEL BOXES NOT LESS THAN 1/2" DEEP PROVIDED WITH 3/8" GALVANIZED MALLEABLE IRON FIXTURE STUD.
B. CONCEALED OUTLET BOXES FOR WALL BRACKETS, SWITCHES, AND RECEPTACLES SHALL BE A 4" SQUARE GALVANIZED STEEL BOX WITH RAISED COVER OF SUFFICIENT DEPTH TO ACCOMMODATE WALL SURFACE MATERIAL.
C. EXPOSED OUTLET BOXES IN DRY LOCATIONS FOR SWITCHES AND RECEPTACLES SHALL BE A 4" CAST BOX WITH HEAVY DUTY COVER.
D. BOXES SHALL BE FORMED OF HOT DIPPED GALVANIZED SHEET STEEL WHERE INSTALLED FLUSH. WHERE BOXES ARE INSTALLED EXPOSED THEY SHALL BE OF THE CAST TYPE.

2.07 WIRES AND CABLES

- A. PROVIDE AND INSTALL ALL WIRING AND CABLE AS REQUIRED TO CONNECT ALL ELECTRICAL EQUIPMENT AND DEVICES INDICATED ON THE PLANS.
B. ALL WIRES #14 GAUGE AND SMALLER SHALL BE SOLID COPPER 75 DEGREE C, AND 600 VOLT INSULATION.
C. ALL WIRES #12 GAUGE AND LARGER SHALL BE STRANDED COPPER, 75 DEGREE C, AND 600 VOLT INSULATION.
D. FIXTURE WIRES SHALL NOT BE LESS THAN #12 GAUGE, AND SHALL BE TYPE SFF-2.
E. UNLESS INDICATED OTHERWISE ALL LIGHT AND POWER CONDUCTORS SHALL BE #12 GAUGE MINIMUM.
F. ALL LOW VOLTAGE CABLE SHALL BE PLENUM RATED.
- 2.08. FIRE ALARM SYSTEM
A. GENERAL: FURNISH AND INSTALL ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR A COMPLETE FIRE ALARM SYSTEM, AS DETAILED BY THESE SPECIFICATIONS AND AS SHOWN ON THE PLANS, TO BE WIRED, CONNECTED AND LEFT IN FIRST CLASS OPERATING CONDITION. ALL EQUIPMENT SHALL BE UL LISTED FOR USE IN FIRE PROTECTIVE SIGNALING SYSTEMS AND BEAR THE UL LABEL, THE INSTALLED SYSTEM SHALL CONFORM TO THE STATE BUILDING CODE, ALL APPLICABLE NFPA CODES, AMERICANS WITH DISABILITIES ACT, AND SHALL MEET THE REQUIREMENTS OF ALL OTHER CODES AND STANDARDS CURRENTLY ADOPTED BY THE AUTHORITY HAVING JURISDICTION. THE FIRE ALARM SYSTEM SHALL BE THE PRODUCT OF ONE MANUFACTURER AND SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
B. SCOPE: THE WORK COVERED BY THIS SECTION OF THE SPECIFICATION SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND SERVICES TO FURNISH AND INSTALL THE SPECIFIED FIRE ALARM COMPONENTS, AS INDICATED ON THE DRAWINGS. WORK COVERED IN THIS SECTION
A) RELOCATION OF EXISTING AND PROVIDING OF NEW A/V SIGNAL APPLIANCES.
C. WARRANTY: MANUFACTURER SHALL GUARANTEE THE SYSTEM EQUIPMENT FOR A PERIOD OF ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE SYSTEM. THE CONTRACTOR SHALL GUARANTEE ALL WIRING AND RACEWAYS TO BE FREE FROM INHERENT MECHANICAL OR ELECTRICAL DEFECTS FOR ONE (1) YEAR FROM DATE OF FINAL ACCEPTANCE OF THE SYSTEM.
D. FINAL ACCEPTANCE TEST TO BE CONDUCTED IN THE PRESENCE OF THE LOCAL FIRE MARSHALL.
E. ACTIVATION OF A SPRINKLER VALVE TAMPER SWITCH, "POWER FAILURE" CONTACT, OR EXTINGUISHING AGENT RELEASE VALVE SHALL AUTOMATICALLY:
A) SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL. THE AUDIBLE SIGNAL SHALL BE CAPABLE OF BEING SILENCED DURING THE OFF-NORMAL CONDITION.
B) OPERATE A CONTROL RELAY CONTACT TO INITIATE THE TRANSMISSION OF A SUPERVISORY INDICATION TO THE CENTRAL STATION AGENCY.
C) VISUALLY ANNUNCIATE, A GENERAL TROUBLE CONDITION. THE VISUAL INDICATION SHALL REMAIN ON UNTIL THE OFF-NORMAL CONDITION IS RESTORED TO NORMAL.
F. THE ENTIRE FIRE ALARM SYSTEM WIRING SHALL BE ELECTRICALLY SUPERVISED TO AUTOMATICALLY DETECT AND REPORT TROUBLE CONDITIONS TO THE FIRE ALARM CONTROL PANEL. ANY OPENS, GROUNDS OR DISARRANGEMENT OF THE SYSTEM WIRING SHALL AUTOMATICALLY:
A) SHALL BE CAPABLE OF BEING SILENCED DURING THE TROUBLE CONDITION.
B) SOUND AN AUDIBLE SIGNAL AT THE FIRE ALARM CONTROL PANEL. THE AUDIBLE SIGNAL OPERATE A CONTROL RELAY CONTACT TO INITIATE THE TRANSMISSION OF A TROUBLE INDICATION TO A CENTRAL AGENCY.

PART 3 - EXECUTION

- 3.01 WORKMANSHIP
A. ALL WORK SHALL BE INSTALLED IN A NEAT WORKMANLIKE MANNER BY COMPETENT MECHANICS THOROUGHLY SKILLED IN THEIR RESPECTIVE TRADES AND IN STRICT ACCORDANCE WITH CODE REQUIREMENTS AND THE RESPECTIVE MANUFACTURERS INSTRUCTIONS.
B. UPON COMPLETION OF ELECTRICAL WORK ALL PANELBOARDS AFFECTED SHALL HAVE UPDATED (TYPED) PANEL SCHEDULES ADHERED TO INSIDE OF DOOR.
- 3.02 TEMPORARY LIGHT AND POWER
A. FURNISH AND INSTALL TEMPORARY LIGHT & POWER AS MAY BE REQUIRED BY ALL TRADES.
- 3.03 SUPPORTS
A. PROVIDE ALL MATERIALS AND LABOR REQUIRED TO ADEQUATELY SUPPORT, BRACE AND STRENGTHEN EQUIPMENT AND MATERIALS FURNISHED AS PART OF THIS WORK.
B. ALL RACEWAYS, BOXES, ETC., SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE, INDEPENDENT OF DUCT, PIPING OR OTHER WORK.
C. ALL CONDUITS SHALL BE SECURELY AND INDEPENDENTLY SUPPORTED SO THAT NO STRAIN WILL BE TRANSMITTED TO OUTLET BOX AND FULL BOX SUPPORTS, ETC.
- 3.04 BRANCH CIRCUITS
A. PROVIDE ALL CONDUITS, OUTLETS, BOXES, WIRES, SWITCHES, RECEPTACLES, ETC., FOR A COMPLETE ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS.
B. CONTRACTOR SHALL CAREFULLY CHECK THE MECHANICAL DRAWINGS AND SPECIFICATIONS TO ESTABLISH THE EXTENT OF POWER AND CONTROL WIRING TO BE PROVIDED. CONTROL WIRING SHALL BE THE RESPONSIBILITY OF OTHERS.
C. MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO PERMANENTLY CONNECTED FIXED OR FREESTANDING FURNITURE PARTITIONS SHALL BE PROVIDED WITH A MEANS TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE BRANCH PANEL WHERE THE CIRCUIT ORIGINATES PER NEC 605.6, 605.7
- 3.05 GROUNDING
A. THE ELECTRICAL SYSTEMS SHALL BE COMPLETELY AND EFFECTIVELY GROUNDED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. ALL GROUND SYSTEMS AND CONNECTIONS SHALL BE MECHANICALLY SECURE AND ELECTRICALLY CONTINUOUS.
- 3.06 LOCATION OF OUTLETS AND ELECTRICAL EQUIPMENT
A. THE PLANS SHOW CONDITIONS AS ACCURATELY AS POSSIBLE BUT DO NOT NECESSARILY SHOW ALL THE FITTINGS, ETC., NECESSARY TO SUIT BUILDING CONDITIONS. LOCATIONS OF OUTLETS, APPLIANCES, ETC., ARE APPROXIMATE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATIONS IN ORDER TO MAKE THEM FIT WITH THE ARCHITECTURAL DETAILS AND ALSO INSTRUCTIONS FROM THE ARCHITECTS REPRESENTATIVE ON THE JOB SITE.
B. BEFORE INSTALLATION OF CONDUIT FOR SWITCHES, RECEPTACLES, CEILING LIGHTS OR MOTORS, THE OWNER, ARCHITECT, RESERVE THE RIGHT TO MOVE EACH OUTLET LOCATION TO BETTER ADAPT THEM FOR USAGE PRIOR TO INSTALLATION, WITHIN A DISTANCE OF THREE FEET AS PRESENTLY INDICATED, AT NO ADDITIONAL COST TO THE OWNER.
C. UNLESS INDICATED OTHERWISE ON THE DRAWINGS, ALL DEVICES SHALL BE MOUNTED AT A HEIGHT TO CONFORM TO THE AMERICAN DISABILITY ACT.
D. THE CONTRACTOR SHALL CAREFULLY CHECK WITH OTHER CONTRACTORS TO COORDINATE THE LOCATION OF ELECTRICAL EQUIPMENT WITH WORK OF OTHER TRADES.
E. VERIFY ALL DOOR SWINGS BEFORE ROUGHING IN FOR SWITCHES.
F. ALL ELECTRICAL INSTALLATIONS IN AREA OF NEW CONSTRUCTION MUST BE FLUSH MOUNTED. WITH THE EXCEPTION OF SURFACE MOUNTED LIGHTING FIXTURES, ELECTRICAL EQUIPMENT IS NOT TO BE SURFACE MOUNTED WITHOUT THE APPROVAL OF THE ENGINEER OR ARCHITECT.
- 3.07 CLEANING AND REMOVAL OF RUBBISH
A. CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF ALL WASTE, SURPLUS MATERIALS, RUBBISH OR DEBRIS WHICH IS CAUSED BY HIS EMPLOYEES OR RESULTING FROM HIS WORK.
B. AFTER ALL EQUIPMENT AND DEVICES HAVE BEEN INSTALLED, REMOVE ALL LABELS, STICKERS, STAINS, TEMPORARY COVERS, ETC. IDENTIFICATION PLATES ON ALL EQUIPMENT
- 3.08 IDENTIFICATION
A. PROVIDE TYPED, UPDATED PANEL SCHEDULES FOR ALL AFFECTED PANEL BOARDS UPON COMPLETION OF WORK.
B. PROVIDE ARC FLASH WARNING LABELS TO ELECTRICAL EQUIPMENT AS REQUIRED BY NEC ARTICLE 110.16. LABELS MUST BE VISIBLE TO MAINTENANCE, EXAMINING OR SERVICING PERSONNEL.

ABBREVIATION LIST	
A	AMPERE
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	COMPUTER PANEL
DW	DISHWASHER
E	EXISTING
EM	EMERGENCY
EQUIP	EQUIPMENT
ELEC	ELECTRIC
EMT	ELECTRIC METALLIC TUBING
ETR	EXISTING TO REMAIN
FA	FIRE ALARM
FAFP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
FLA	FULL LOAD AMPERES
GEN	GENERATOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
HZ	HERTZ
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT-AMPERE
KW	KILOWATT
K	KILO (THOUSAND)
LTG	LIGHTING
NEC	NATIONAL ELECTRICAL CODE
NL	NIGHT LIGHT
N	NEUTRAL
NF	NONFUSED
PB	PULLBOX
Ø	PHASE
PH	PHASE
P	POLE
TV	OUTLET TV
SK	SWITCH
SHBD	SWITCHBOARD
UG	UNDERGROUND
V	VOLT
VA	VOLT-AMPERE
W	WATT
WP	WEATHERPROOF
WM	WIREMOLD



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DEMOLITION GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL COMPLY IN EVERY RESPECT TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AND ALL GOVERNMENTAL AUTHORITIES HAVING JURISDICTION. SECURE ALL NECESSARY CERTIFICATES AND PERMITS AND DELIVER TO OWNER.
2. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO CONSTRUCTION TO ASCERTAIN THE EXISTING CONDITIONS AND LIMITS OF DEMOLITION AND CONSTRUCTION.
3. COORDINATE ALL WORK WITH OTHER TRADES.
4. REMOVE ALL SURFACE MOUNTED CONDUIT, WIRE, BOXES AND FASTENING DEVICES AS REQUIRED TO AVOID ANY INTERFERENCE WITH NEW CONSTRUCTION. SAVE FOR POSSIBLE RE-USE.
5. DISCONNECT AND REMOVE ALL OBSOLETE AND ABANDONED ELECTRICAL EQUIPMENT, CONDUIT, CONDUCTORS, HANGERS, SUPPORTS, ETC. FROM CEILING, WALL AND FLOOR. DISCONNECT AND REMOVE BACK TO SOURCE.
6. CONDUITS MAY BE ABANDONED IN FLOOR AND WALLS ONLY. ELECTRICAL CONTRACTOR SHALL REMOVE ALL WIRING FROM ABANDONED CONDUITS, DISCONNECT FROM ALL POWER SOURCES AND PROVIDE BLANK PLATES ON ALL ABANDONED OUTLETS. ABANDONED CONDUITS SHALL BE CAPPED AT BOTH ENDS.
7. HOLES LEFT BY REMOVAL OF ELECTRICAL DEVICES, LIGHT FIXTURES, ETC. SHALL BE PATCHED IN EXISTING WALLS TO REMAIN.
8. ELECTRICAL CONTRACTOR SHALL TRACE ALL CIRCUITS IN EXISTING PANELS TO REMAIN AFFECTED BY DEMOLITION. TAG ALL UNUSED CIRCUIT BREAKERS AS "SPARE" AND TIGHTEN ALL CONNECTIONS. PROVIDE NEW TYPED DIRECTORY PROTECTED BY PLASTIC AND PLACE IN COVER OF PANELS CONSISTENT WITH NEW CONSTRUCTION.
9. IN ALL INSTANCES, WHEN SOMETHING IS REMOVED, CIRCUITRY FOR WHAT REMAINS SHALL HAVE CONTINUITY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN THIS CONTINUITY.
10. MAINTAIN THE CONTINUITY AND INTEGRITY OF ALL EXISTING BRANCH CIRCUITS SERVING ELECTRICAL EQUIPMENT AND DEVICES OUTSIDE THE LIMITS OF DEMOLITION. RE-ROUTE AND RE-CONNECT EXISTING BRANCH CIRCUITS AS REQUIRED UTILIZING THE SAME SIZE, TYPE AND QUANTITY CONDUIT AND CONDUCTORS.
11. DISCONNECT, REMOVE AND DISCARD ALL DEVICES AND EQUIPMENT AS SHOWN DASHED AND NOTED. DISCONNECT AND REMOVE ALL JUNCTION BOXES, EXPOSED CONDUIT, CONDUCTORS, ACCESSORIES AND CONTROLS ASSOCIATED WITH REMOVED EQUIPMENT AND DEVICES; UNLESS OTHERWISE INDICATED.
12. CONTRACTOR SHALL PATCH AND FILL ANY FIRE RATED ASSEMBLIES AND FIRE STOP ALL JOINTS TO MATCH EXISTING FIRE RATING.
13. PROVIDE PROTECTIVE COVERINGS FOR EXISTING CONSTRUCTION, DESIGNATED TO REMAIN, TO PREVENT DAMAGE.
14. CONTRACTOR SHALL BE RESPONSIBLE TO CLEANUP ALL DUST AND DEBRIS CREATED DURING THE DEMOLITION PERIOD.
15. ELECTRICAL DEMOLITION KEYED NOTES SUPERCEDE THESE GENERAL DEMOLITION NOTES.

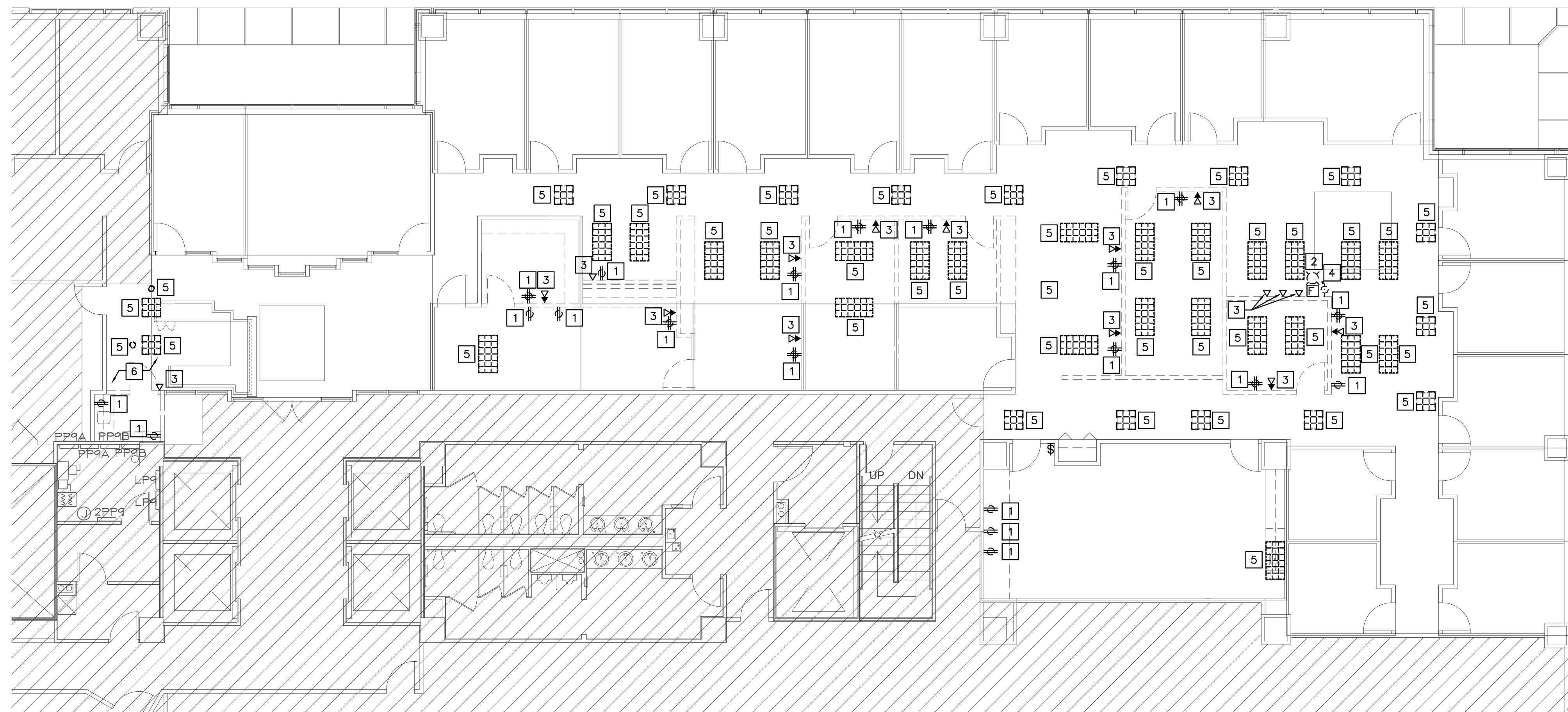
DRAWING KEY NOTES:

ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY "□".

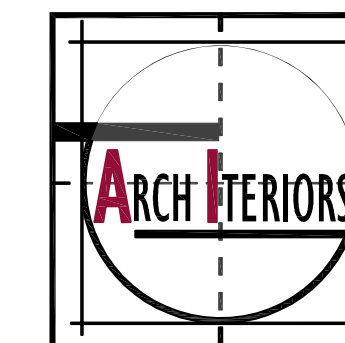
1. REMOVE EXISTING RECEPTACLE. REMOVE ALL ASSOCIATED WIRING AND CONDUITS BACK TO SOURCE.
2. REMOVE AND STORE EXISTING FIRE ALARM DEVICES. REMOVE ALL ASSOCIATED WIRING AND CONDUITS BACK TO SOURCE.
3. REMOVE EXISTING TELE/DATA OUTLET. REMOVE ALL ASSOCIATED WIRING AND CONDUITS BACK TO SOURCE.
4. REMOVE EXISTING BASE FEED, WIRING AND CONDUITS BACK TO SOURCE. PROVIDE BLANK COVER AFTER FINAL DISCONNECTION.
5. REMOVE LIGHTING FIXTURES IN CEILING. DISCONNECT AND REMOVE ALL WIRING AND CONDUITS BACK TO SOURCE.
6. DISCONNECT ALL LUMINAIRE SWITCH LEGS THAT WOULD BE AFFECTED BY DEMOLITION WORK DURING THE SEPARATION OF THE SPACE.

SYMBOL LEGEND

□□	2x2 LUMINAIRE TO BE REMOVED
□□□□	2x4 LUMINAIRE TO BE REMOVED
○	RECESSED LUMINAIRE TO BE REMOVED
⌘	FIRE ALARM DEVICE TO BE REMOVED
⊕	DUPLEX RECEPTACLE TO BE REMOVED
⊕	QUAD RECEPTACLE TO BE REMOVED
▷	TELE/DATA TO BE REMOVED
⌋	BASE FEED TO BE REMOVED



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



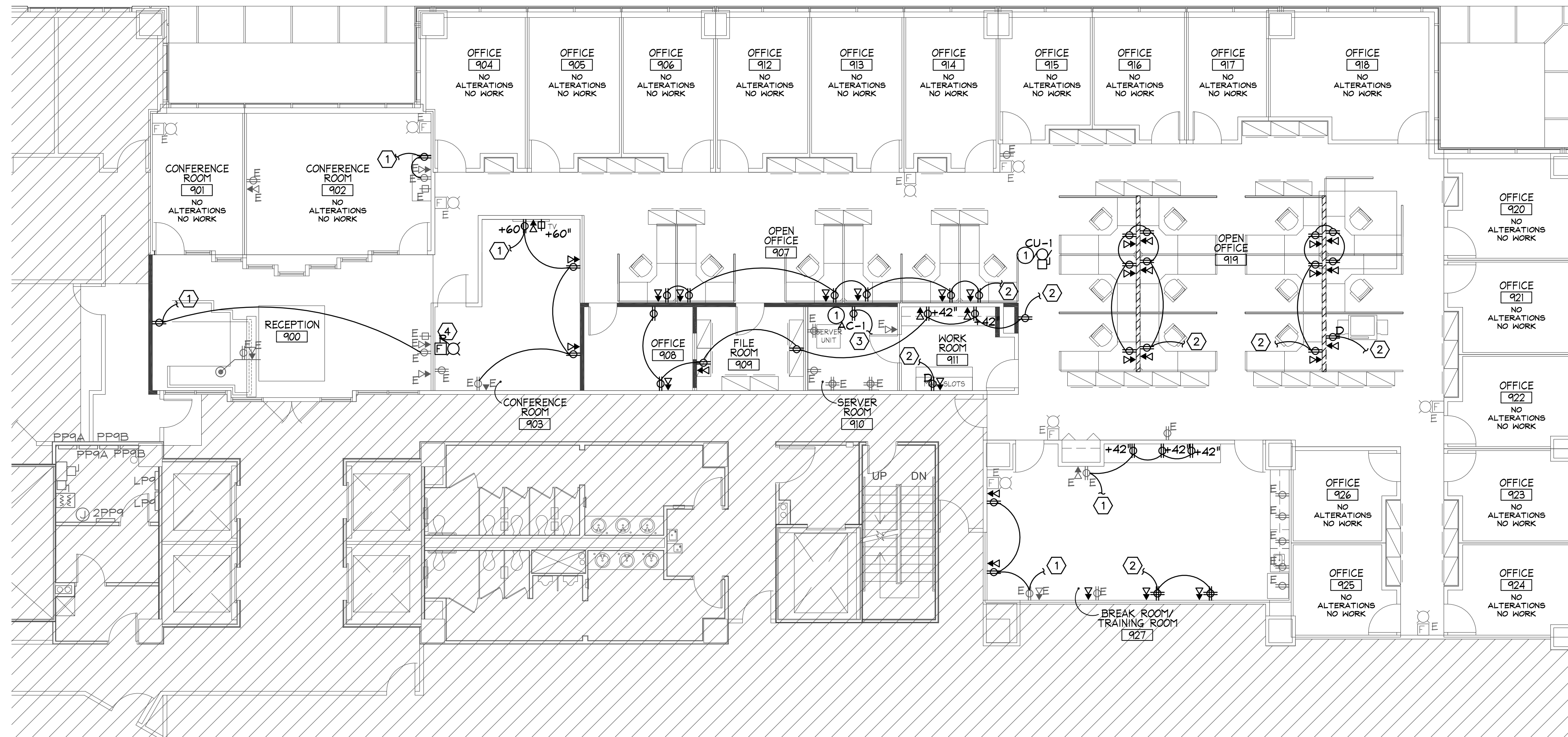
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E2.1
ELECTRICAL
DEMOLITION PLAN



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

GENERAL ELECTRICAL NOTES:

1. ALL MATERIALS SHALL BE U.L. LISTED WHEN SUCH LISTINGS EXIST. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE BUILDING CODES, NEC, REGULATIONS AND LAWS IN FORCE AS WELL AS THE ELECTRICAL SPECIFICATIONS.
2. CONTRACTOR SHALL INSTALL NEW ELECTRICAL DEVICES, ALONG WITH ANY SPECIAL INSTALLATION ATTRIBUTES, IN LOCATIONS SHOWN ON PLAN.
3. ALL NEW DEVICES ARE TO BE MOUNTED AT A MINIMUM MOUNTING HEIGHT OF 18" A.F.F. TO THE BOTTOM OF THE RECEPTACLE UNLESS NOTED OTHERWISE ON PLAN. ALL ABANDONED ELECTRICAL WIRING AND VOICE/DATA CABLING TO BE REMOVED FROM BOTH WALL CAVITIES AND CEILING SPACES.
4. CONTRACTOR TO SURVEY SPACE TO ENSURE THAT ALL DEVICE LOCATIONS AT CORE WALLS AND ANY OTHER AREAS ARE ACCESSIBLE.
5. THE ELECTRICAL SUB-CONTRACTOR SHALL DETERMINE IN ADVANCE, FROM THE BUILDING REPRESENTATIVE, THE ADEQUACY OF THE BUILDING'S ELECTRICAL EQUIPMENT. ANY COSTS FOR ADDITIONAL PANEL BOARDS, TRANSFORMERS, ETC. SHALL BE INCLUDED IN THE BID.
6. NEW VOICE AND DATA LOCATIONS ARE TO CONSIST OF A SINGLE-GANG VERTICALLY MOUNTED PLASTER RING WITH A PULL STRING TO THE TOP OF PARTITION OVER CEILING. IN CASES OF INSULATED PARTITIONS OR LOCATIONS BELOW GLAZING, PROVIDE BACK BOX WITH 3/4" CONDUIT STUBBED UP TO TOP OF PARTITION WITH PULL STRING.
7. TENANT TO BE RESPONSIBLE FOR INDEPENDENTLY CONTRACTING FOR THE PROVISION, INSTALLATION, TERMINATION AND TESTING OF VOICE AND DATA CABLING. TENANT'S CABLING VENDOR TO PROVIDE ALL COVER PLATES REQUIRED AND TO VERIFY THAT ALL CABLING MATERIALS ARE JACKETED AND INSTALLED IN FULL ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS.
8. FURNITURE SHOWN FOR REPRESENTATION ONLY. FURNITURE VENDOR TO PROVIDE FINAL FURNITURE LAYOUT.
9. ALL COVER PLATES TO BE BUILDING STANDARD.
10. EXISTING ELECTRICAL AND VOICE/DATA OUTLETS NOT SHOWN, TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
11. ALL CIRCUIT NUMBERS ARE FOR REFERENCE ONLY.
12. ALL 20A-1P CIRCUITS TO BE 2#12 + 1#12 GND IN 3/4" C. CONNECT TO EXISTING 20A-1P CIRCUITS AVAILABLE FROM DEMOLITION, 20A-1P CB'S MARKED AS SPARE OR PROVIDE NEW 20A-1P CB'S AS REQUIRED.
13. UPON COMPLETION OF ELECTRICAL WORK ALL ELECTRICAL PANELS WITH CHANGES TO CIRCUITRY SHALL HAVE TYPED UPDATED PANEL SCHEDULES.
14. ALL ADJOINING FURNITURE SHALL BE CONNECTED TO EITHER MULTIPLE POLE BREAKERS OR HAVE BREAKERS TIED TOGETHER WITH MEANS SUITABLE TO AUTHORITY HAVING JURISDICTION SUCH THAT ALL POWER IN ADJOINING FURNITURE SYSTEMS IS DE-ENERGIZED AT ONCE.

DRAWING KEY NOTES:

ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY "X".

1. CONNECT TO EXISTING CIRCUIT AS SHOWN. CONTRACTOR TO VERIFY CAPACITY OF CIRCUIT.
2. CONNECT TO NEAREST CIRCUIT WITH AVAILABLE CAPACITY OR PROVIDE NEW 20A CIRCUIT FROM PANEL PPA9 SECTIONS 1 AND 2. PROVIDE NEW 20A CIRCUIT BREAKERS AS REQUIRED.
3. PROVIDE DUPLEX RECEPTACLE FOR CONNECTION OF AC-1 CONDENSATE PUMP. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR. CONNECT TO NEAREST CONVENIENCE CIRCUIT WITH AVAILABLE CAPACITY.
4. EXTEND AND CONNECT NEAREST F.A. CIRCUIT TO NEW LOCATION OF EXISTING DEVICE.

SYMBOL LEGEND

- ⊕ DUPLEX CONVENIENCE OUTLET
- ⊕ DESIGNATED DUPLEX OUTLET FOR COMPUTER (OUTLETS TO BE IDENTIFIED BY DIFFERENT DEVICE COLOR)
- ⊕ DEDICATED OUTLET
- ⊕ QUADRUPLUX OUTLET
- ⊕ TELEPHONE, FAX, MODEM & DATA OUTLETS
- ⊕ TELEVISION CABLE OUTLET
- ⊕ BASE FEED POWER AND DATA (FURNITURE WHIP)
- HOME RUN
- E EXISTING DEVICE TO REMAIN
- R RELOCATED
- ⊕ FIRE ALARM STROBE DEVICE
- ⊕ EQUIPMENT NOTE, "X" DENOTES EQUIP NUMBER FOUND IN SCHEDULE ON DRAWING E4.1. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.



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E3.1
 ELECTRICAL
 POWER PLAN

GENERAL ELECTRICAL NOTES:

- ALL MATERIALS SHALL BE U.L. LISTED WHEN SUCH LISTINGS EXIST. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE BUILDING CODES, REGULATIONS AND LAWS IN FORCE AS WELL AS THE ELECTRICAL SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL NEW ELECTRICAL DEVICES, ALONG WITH ANY SPECIAL INSTALLATION ATTRIBUTES, IN LOCATIONS SHOWN ON PLAN.
- CONTRACTOR TO SURVEY SPACE TO ENSURE THAT ALL DEVICE LOCATIONS AT CORE WALLS AND ANY OTHER AREAS ARE ACCESSIBLE.
- LIGHT FIXTURE LAYOUT SHOWN IS FOR DESIGN INTENT. FINAL FIXTURE LOCATIONS MUST BE COORDINATED WITH EXISTING HVAC DUCTS, GRILLS, REGISTERS AND SPRINKLER HEADS.
- CONTRACTOR SHALL PROVIDE AND INSTALL EXIT SIGNS IN ACCORDANCE WITH REQUIREMENTS OF THE FIRE MARSHALL. REF. ENGINEERING SHEETS FOR EXIT SIGN LOCATIONS AND SPECIFICATIONS.
- ALL EXIT SIGNS SHALL BE CONNECTED TO EXISTING EMERGENCY EXIT CIRCUIT PROVIDED IN TENANT SPACE.
- ALL NL LUMINAIRES SHALL BE CONNECTED TO EXISTING LIGHTING CIRCUIT PROVIDED IN SPACE PRIOR TO ANY SWITCHING.
- CONTRACTOR SHALL COORDINATE ALL RELOCATION OF SPRINKLER PIPING WITH FIRE PROTECTION CONTRACTOR, DUE TO INTERFERENCE WITH LUMINAIRES AND ELECTRICAL EQUIPMENT, PRIOR TO PRICING.
- SEE LUMINAIRE SCHEDULE ON DRAWING E401 FOR ADDITIONAL INFORMATION ON LUMINAIRES, TYPES, QUANTITIES ETC.
- ALL EM/NL LUMINAIRES TO BE CONNECTED TO EXISTING EMERGENCY EGRESS CIRCUIT OR TO LOCAL CIRCUIT AHEAD OF ANY SWITCHING. ALL EM/NL FIXTURES SHALL BE SUPPLIED WITH EMERGENCY TYPE BALLASTS CAPABLE OF ILLUMINATION FOR 1.5 HOURS UPON FAILURE OF NORMAL POWER.
- ALL NEW SWITCH LEGS SHALL BE PROVIDED WITH NEUTRAL AT SWITCH LOCATIONS.
- A DISCONNECTING MEANS SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR QUALIFIED PERSONS FOR SERVICING OR MAINTAINING THE BALLAST OF ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE ENDED LAMPS OR BALLASTED LUMINAIRES THAT ARE SUPPORTED FROM MULTIWIRE BRANCH CIRCUITS. THESE DISCONNECTS SHALL DISCONNECT SIMULTANEOUSLY ALL CONDUCTORS, INCLUDING THE GROUNDING CONDUCTOR.
- CONTRACTOR SHALL RELAMP ALL EXISTING AND RELOCATED LIGHT FIXTURES IN THE SUITE UPON COMPLETION OF WORK.
- DIMMABLE FIXTURES USUALLY REQUIRE (2) POWER WIRES (2) 0-10 VOLT CONTROL WIRES AND GROUND. VERIFY REQUIREMENTS WITH ARCHITECT FOR CONTROL PLAN.

DRAWING KEY NOTES:

ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY "□" □.

- CONNECT TO EXISTING LIGHTING CIRCUIT IN AREA AS SHOWN. CONNECT TO LOCAL CONTROL UNLESS LUMINAIRE IS TO BE NIGHT LITE.
- REUSE EXISTING CIRCUITING MADE AVAILABLE FROM DEMOLITION. SWITCH AS INDICATED.
- RECONNECT LIGHTING CIRCUITS IN GIVE-BACK SPACE TO EXISTING CIRCUITS SUPPLYING LIGHTS IN SPACE. SWITCH ACCORDINGLY.
- PROVIDE NEW EMERGENCY LIGHT TO MATCH EXISTING. EXTEND TO LOCAL CIRCUIT AHEAD OF SWITCHING.
- PROVIDE NEW EXIT LIGHT TO MATCH EXISTING. EXTEND TO LOCAL EMERGENCY CIRCUIT AHEAD OF SWITCHING.
- PROVIDE A MANUAL OVERRIDE SWITCH FOR CEILING MOUNTED OCCUPANCY SENSOR.

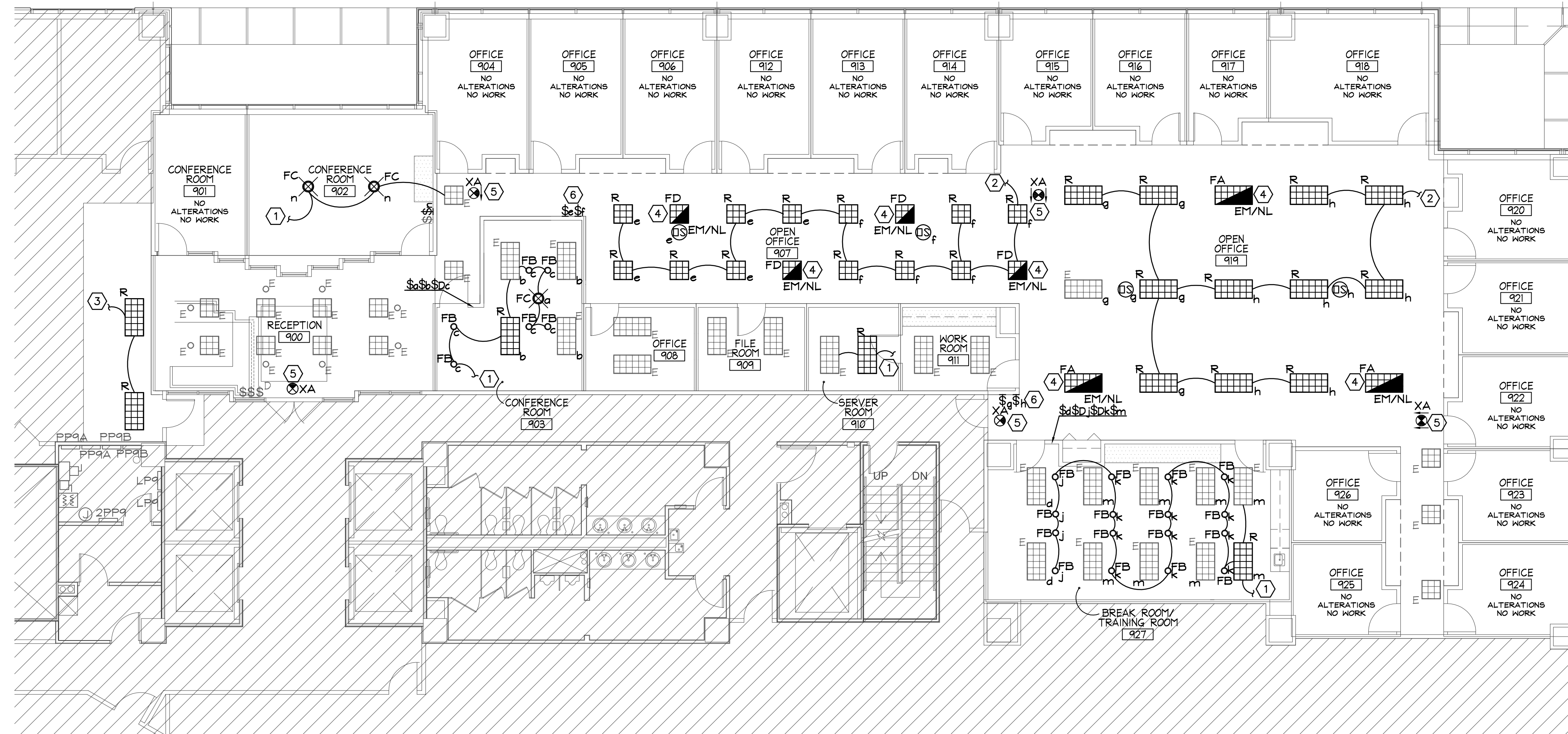
ELECTRICAL SYMBOL LEGEND:

	NEW/RELOCATED 2'X4' LIGHT FIXTURE
	NEW/RELOCATED 2'X4' EMERGENCY LIGHT FIXTURE
	WALL MOUNTED OCCUPANCY SENSOR
	NEW/RELOCATED EXIT SIGN (BUILDING STANDARD)
	CEILING MOUNTED OCCUPANCY SENSOR (DUAL TECHNOLOGY TYPE)
EM/NL	EMERGENCY NIGHT LIGHT
	SPEAKER
	SWITCH, UPPERCASE DENOTES TYPE, LOWERCASE DENOTES GROUPING
E	DENOTES EXISTING TO REMAIN
R	RELOCATED

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BALLAST	LAMPS	VOLTAGE	DIMMING	DESIGN MAKE
FA	2'x4' LUMINAIRE	-	-	-	-	MATCH BUILDING STANDARD
FB	LED DOWNLIGHT	-	-	-	-	PORTFOLIO LD4A13DE010 ERM4A1330 4LMGH
FC	PENDANT LIGHT FIXTURE	-	-	-	-	LAMPS PLUS POSSINI EURODESIGN STYLE: P0980
XA	EXIT SIGN	-	-	-	-	MATCH BUILDING STANDARD

NOTES:
 1. COORDINATE ALL LUMINAIRE SPECIFICATIONS WITH ARCHITECT PRIOR TO ORDERING.
 2. REUSE ALL 2x4 LIGHTS LEFT FROM DEMOLITION. PROVIDE NEW AS NEEDED.



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



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PANEL NAME-PP9A (SEC 1)														
MAIN CIRCUIT BREAKER:							PROJECT NAME:							
MAIN BUS:							FED FROM:							
VOLTAGE: 120/208V-3P-4W							LOCATION:							
DESCRIPTION	PHASE WATTAGE			BREAKER			BUS	BREAKER			PHASE WATTAGE			DESCRIPTION
	ΦA	ΦB	ΦC	POLE	AMP	CKT		CKT	AMP	POLE	ΦA	ΦB	ΦC	
CORE RECEPT.	0			1	20	1	2	20	1	0			PHONE RECEPT.	
CORE RECEPT.	0			1	20	3	4	20	1	0			PANEL ROOM RECEPT.	
WATER COOLER		0		1	20	5	6	20	1	0			TCP PANEL	
SPARE	-			1	20	7	8	20	1	-			FIRE ALARM PANEL	
SPARE	-			1	20	9	10	20	1	-			SPARE	
SPARE	-			1	20	11	12	30	1	-			LINCOLN (SERVER)	
IT AC UNIT (LINCOLN 950)	-			2	25	13	14			-			SPACE	
						15	16			-			SPACE	
SPACE						17	18			-			SPACE	
SPACE	-					19	20			-			SPACE	
SPACE						21	22			-			SPACE	
SPACE						23	24			-			SPACE	
SPACE	-					25	26			-			SPACE	
SPACE						27	28			-			SPACE	
SPACE						29	30			-			SPACE	
SPACE	-					31	32			-			SPACE	
SPACE						33	34			-			SPACE	
SPACE						35	36			-			SPACE	
SPACE	-					37	38			-			SPACE	
SPACE						39	40			-			SPACE	
SPACE						41	42			-			SPACE	
	0	0	0							0	0	0		
PANEL PHASE TOTALS							CALCULATED LOAD VALUES							
							TOTAL CONNECTED kw			0.00kw				
							TOTAL CONNECTED A			0A				

PANEL NAME-PP9A (SEC 2)														
MAIN CIRCUIT BREAKER:							PROJECT NAME:							
MAIN BUS:							FED FROM:							
VOLTAGE: 120/208V-3P-4W							LOCATION:							
DESCRIPTION	PHASE WATTAGE			BREAKER			BUS	BREAKER			PHASE WATTAGE			DESCRIPTION
	ΦA	ΦB	ΦC	POLE	AMP	CKT		CKT	AMP	POLE	ΦA	ΦB	ΦC	
RECEPT. RM 39-42	0			1	20	1	2	20	1	0			RECEPT. RM 5,6,9,10	
COMP. REC. RM 35,39-42	0			1	20	3	4	20	1	0			RECEPT. RM 4,7,8	
RECEPT. RM 36-38		0		1	20	5	6	20	1	0			COMP. REC. RM 4	
COMP. REC. RM 31,32,36-38	-			1	20	7	8	20	1	-			SPARE	
COMP. REC. RM 22-24,29,30	-			1	20	9	10	20	1	-			RECEPT. RM 2	
RECEPT. RM 24,28-30	-			1	20	11	12	20	1	-			SPARE	
RECEPT. RM 26-28,33	-			1	20	13	14	20	1	-			DED. REC. RM 45 COPIER	
COMP. REC. RM 26-28,33	-			1	20	15	16	20	1	-				
RECEPT. RM 1,14,19,20	-			1	20	17	18	20	1	-			RECEPT. RM 42,44,45	
COMP. REC. RM 19-21,25	-			1	20	19	20	20	1	-			DED. REC. RM 25	
RECEPT. RM 22-24	-			1	20	21	22	20	1	-			DED. REC. RM 25	
COMP. REC. RM 15-18	-			1	20	23	24	20	1	-			DED. REC. RM 25	
RECEPT. RM 16-18	-			1	20	25	26	20	1	-			DED. REC. RM 25	
RECEPT. RM 13,15,16,19	-			1	20	27	28	20	1	-				
RECEPT. RM 10-13	-			1	20	29	30	20	1	-			RECEPT. RM 21,25-27	
COMP. REC. RM 5,6,9-11	-			1	20	31	32	20	1	-			RECEPT. RM 1,3,4,8	
SPARE	-			1	20	33	34	20	1	-			COMP. REC. RM 4,8	
SPARE	-			1	20	35	36	20	1	-			RECEPT. RM 45	
SPARE	-			1	20	37	38	20	1	-			RECEPT. RM 45	
SPARE	-			1	20	39	40	20	1	-			DED. REC. RM 4 COPIER	
SPACE						41	42			-			SPACE	
	0	0	0							0	0	0		
PANEL PHASE TOTALS							CALCULATED LOAD VALUES							
							TOTAL CONNECTED kw			0.00kw				
							TOTAL CONNECTED A			0A				

ELECTRIC EQUIPMENT AND CONTROL SCHEDULE															
EQUIPMENT					SUPPLY					DISCONNECT SWITCH			CONTROLS		
ITEM NO.	NAME	LOCATION	KW/FLA	Φ	VOLTS	PANEL OR CONTROL CENTER	CIRCUIT #'S	CIRCUIT BREAKER	WIRING AND CONDUIT	SWITCH AMPS	FUSE	MOTOR STARTER/CONTROLLER	CONTROL LOCATION	NEMA RATING	NOTES
1	CU-1 AC-1	ROOF/ SERVER ROOM	13	1	208	PP9A	13,15	NEW 20A, 2 POLE	(2) #12 GND IN 3/4" C	20A	NA	1	AU		

NOTE:

- CONTRACTOR SHALL VERIFY ALL OUTLET CONFIGURATIONS WITH EQUIPMENT MANUFACTURERS PRIOR TO ROUGH-IN.
- R/P IN SCHEDULE DENOTES THAT EC SHALL SUPPLY AND INSTALL PLUG AND RECEPTACLE.
- P/S IN SCHEDULE DENOTES THAT EC SHALL SUPPLY AND INSTALL WATERTIGHT PIN AND SLEEVE DEVICES.
- ALL EQUIPMENT ABOVE WAS USE FOR BASIS OF DESIGN ONLY. COORDINATE WITH OWNER & ARCHITECT FOR ACTUAL KITCHEN EQUIPMENT TO BE USED PRIOR TO THE INSTALLATION OF ANY ELECTRICAL SERVICES.

GENERAL NOTES:

- A. ITEM NUMBER INDICATES EQUIPMENT NUMBER.
- B. ALL CONTROL DEVICES ARE TO BE SURFACE MOUNTED UNLESS OTHERWISE NOTED.
- C. "AU" INDICATES CONTROL DEVICE LOCATED AT UNIT.
- D. "NF" INDICATES NON-FUSED.

MOTOR STARTER NOTES
1. MOTOR RATED SWITCH
2. MANUAL MOTOR STARTER
3. MANUAL MOTOR STARTER WITH RELAY
4. MAGNETIC STARTER
5. COMBINATION MAGNETIC STARTER
6. VARIABLE FREQUENCY DRIVE
7. COMBINATION TWO SPEED MAGNETIC STARTER
8. COMBINATION REDUCED VOLTAGE
9. MAGNETIC STARTER
10. DUPLEX CONTROLLER WITH ALTERNATION CIRCUIT
11. PACKAGED CONTROL UNIT
12. H-O-A SELECTOR SWITCH IN COVER
13. PILOT LIGHT IN COVER
14. REMOTE START-STOP PUSHBUTTONS
15. FIRE ALARM FAN SHUTDOWN
16. LINE THERMOSTAT



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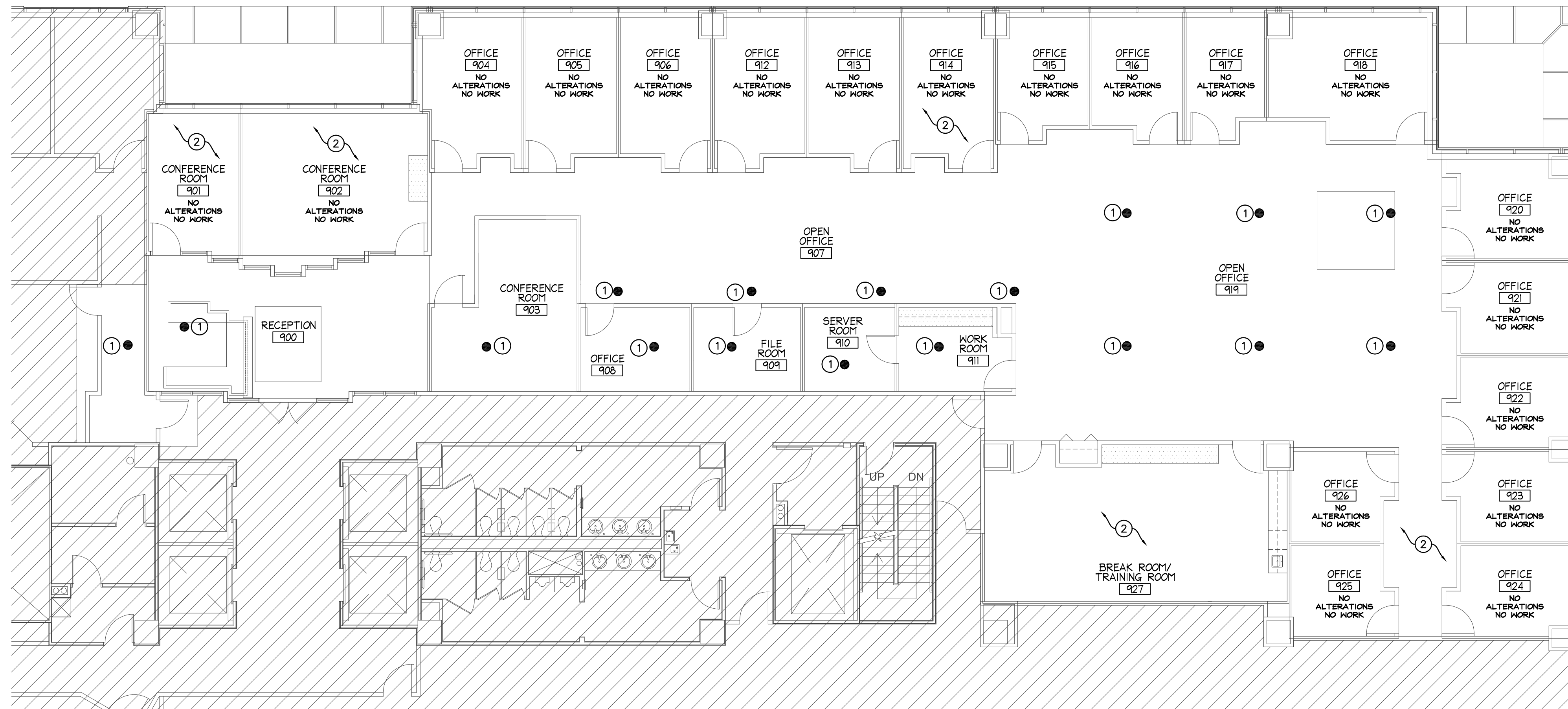
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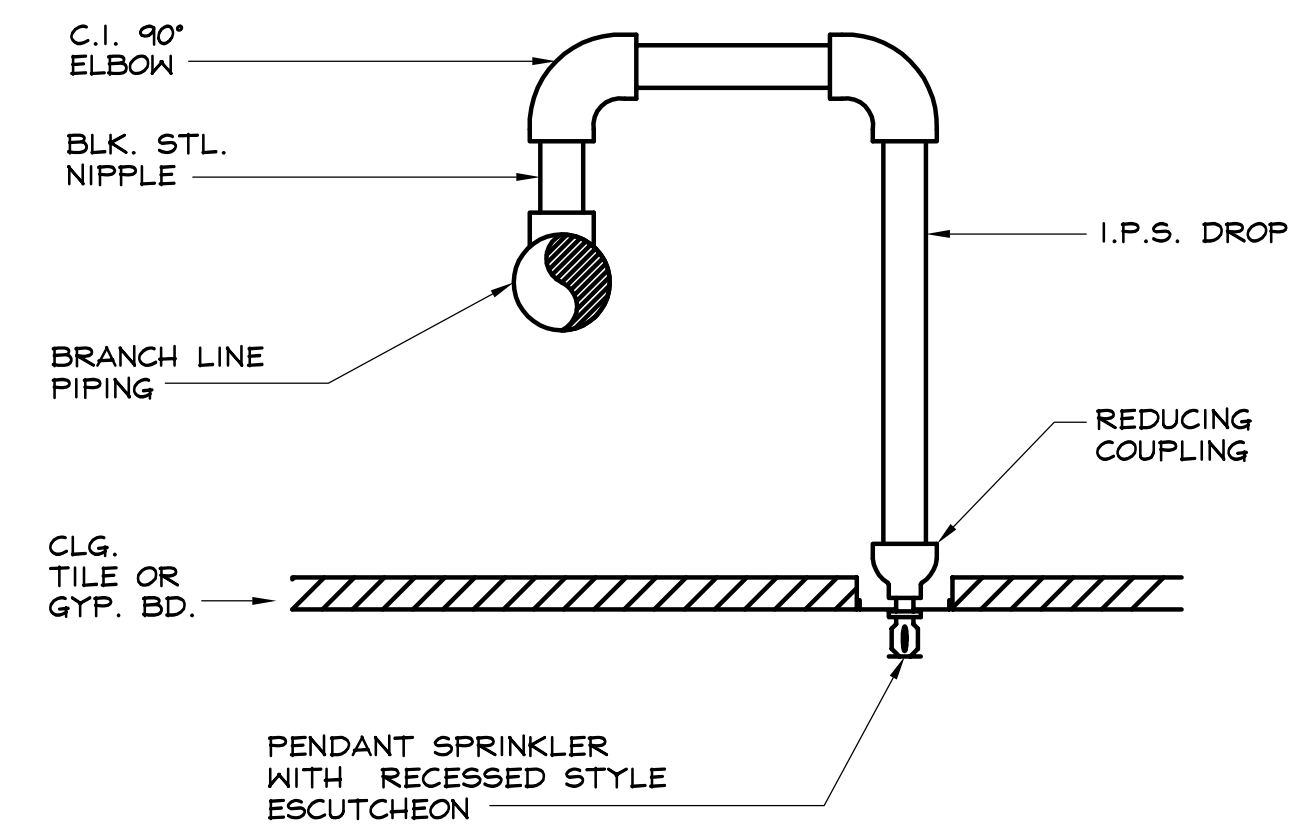
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E4.1
 PANEL SCHEDULES



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



- NOTE:
- MAY ALSO BE CONCEALED STYLE SPRINKLER.
 - ALL PIPING AND NEW HEADS TO MATCH EXISTING.
 - PIPE SIZES TO BE CALCULATED BY FIRE PROTECTION CONTRACTOR.

02 RETURN BEND SPRINKLER HEAD
SCALE: N.T.S.

FIRE PROTECTION SYMBOL LEGEND:

- PENDANT SPRINKLER HEAD
- E DENOTES EXISTING EQUIPMENT
- N DENOTES NEW EQUIPMENT
- ▨ N.I.C.

FIRE PROTECTION GENERAL NOTES

- PIPING SUPPORTS. ALL PIPING TO BE SUPPORTED WITH HANGERS AND BRACKETS WHICH PROVIDE ISOLATION FROM FRAMING. CONTACT BETWEEN PIPE AND SUPPORT TO BE LINED WITH PLASTIC OR FELT.
- DO NOT SHUT DOWN ANY FIRE PROTECTION OR RELATED SYSTEM WITHOUT BUILDING OWNER'S PRIOR WRITTEN APPROVAL. FOLLOW ALL OWNER REQUIREMENTS AND SHUT DOWN PROCEDURES AS WELL AS ALL REQUIREMENTS OF THIS PROJECT'S CONTRACT DOCUMENTS (PLANS AND SPECIFICATIONS).
- FIELD VERIFY EXACT LOCATION, COMPOSITION AND CONDITION OF ALL PIPING, VALVES AND SYSTEMS AS REQUIRED FOR WORK OF THE CONTRACT.
- REFER TO ARCHITECTURAL DRAWINGS AND THE PROJECT SPECIFICATIONS FOR PROJECT PHASING REQUIREMENTS.
- PROVIDE FULL SPRINKLER COVERAGE FOR ALL SPACES WITHIN THE PROJECT AREA IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL CODES, NFPA-13 AND OWNER'S INSURANCE CARRIER/UNDERWRITER.
- PROVIDE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS WITH ALL INFORMATION NOTED BY NFPA-13. DO NOT START ANY WORK UNTIL DRAWINGS AND CALCULATIONS HAVE BEEN APPROVED BY THE PROJECT ENGINEER, OWNER'S AGENTS, LOCAL FIRE MARSHAL AND/OR CODE ENFORCEMENT OFFICIAL. OBTAIN WATER FLOW TEST DATA (PRESSURES AND FLOWS) AS REQUIRED. PROVIDE ALL FLOW TESTS REQUIRED IF CURRENT TEST DATA IS UNAVAILABLE.
- COORDINATE SPRINKLER SYSTEM WITH ALL OTHER TRADES, BUILDING CONDITIONS, ETC. OFFSET SPRINKLER SYSTEM PIPING AS REQUIRED (PROVIDE ALL FITTINGS, CONNECTIONS, ETC.).
- FOR ALL AREAS WITH LAY-IN CEILINGS, PROVIDE SPRINKLERS IN THE CENTER OF CEILING TILES. REFER TO ARCHITECTURAL PLAN FOR CEILING GRID LAYOUT.
- THE SPRINKLER/FIRE PROTECTION CONTRACTOR SHALL HYDRAULICALLY CALCULATE ALL SPRINKLER SYSTEMS SHOWN ON THE DRAWING AND SHALL SIZE PIPING ACCORDINGLY.
- AT ALL LOCATIONS OF DAMAGED OR REMOVAL OF FIRE PROOFING MATERIALS ON STRUCTURAL ELEMENTS, CONTRACTOR MUST RESTORE SUCH FIRE-PROOFING AFTER REQUIRED CONSTRUCTION IS COMPLETED.
- ALL LIFE SAFETY AND FIRE SPRINKLER SYSTEMS MUST REMAIN OPERABLE DURING DEMOLITION AND CONSTRUCTION AT ALL TIMES.
- ANY EQUIPMENT OR SERVICE SHUTDOWNS REQUIRED FOR THIS WORK MUST BE APPROVED AND COORDINATED WITH THE PROJECT MANGER. A 48 HOUR ADVANCED NOTICE TO LANDLORD IS REQUIRED.
- CRAFTSMAN SHALL REPAIR AND MATCH ANY EXISTING INSULATION DAMAGED DURING THE INSTALLATION OF EQUIPMENT OR SERVICES.
- CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILE & GRID AS NEEDED TO COMPLETE WORK.
- ALL WORK THAT OCCURS ON OTHER FLOORS OR IN AREAS OUTSIDE OF CONTRACT LIMITS SHALL BE COORDINATED WITH OWNER AND OTHER BUILDING TENANTS A MINIMUM OF 48 HOURS PRIOR TO START OF WORK.
- PROVIDE PROTECTIVE COVERINGS FOR EXISTING CONSTRUCTION, DESIGNATED TO REMAIN, TO PREVENT DAMAGE.
- CONTRACTOR SHALL BE RESPONSIBLE TO CLEANUP ALL DUST AND DEBRIS CREATED DURING THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL PATCH AND FILL ANY FIRE RATED ASSEMBLIES AND FIRE STOP ALL JOINTS TO MATCH EXISTING FIRE RATING.

DRAWING KEY NOTES:

- ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY "C".
- PROVIDE NEW PENDANT SPRINKLER HEADS IN LOCATION SHOWN. PROVIDE NEW PIPING AS NECESSARY. ALIGN HEADS WITH NEW CEILING GRID LAYOUT.
 - EXISTING SPRINKLER HEADS TO REMAIN AS IS.

FIRE PROTECTION DESIGN CALCULATION DATA	
OCCUPANCY:	OFFICE, USE GROUP B (IBC)/ USE GROUP D-0 (FIRE AND PANIC)
HAZARD:	LIGHT HAZARD OCCUPANCY
DENSITY:	0.10 GPM/SQ.FT.
AREA:	1500 SQ.FT.
AREA PER HEAD:	255 MAX. SQ.FT.
TYPE:	WET PIPE FIRE SPRINKLERS

FOR REFERENCE ONLY



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REVISIONS:

PROJECT NO: 410.2215.00
DRAWN BY: JSS
DATE: 05.02.16
CHECKED BY: HRM
ISSUED FOR: BID & PERMIT

FP3.1
FIRE PROTECTION PLAN

MECHANICAL SPECIFICATIONS

1. SUMMARY OF WORK

- A. THE DRAWINGS INDICATE DIAGRAMMATICALLY THE EXTENT, GENERAL CHARACTER AND LOCATION OF THE WORK INCLUDED. OFFSETS AND/OR CHANGES IN ELEVATION OF PIPING AND DUCTWORK DUE TO STRUCTURAL OR OTHER INTERFERENCES SHALL BE PROVIDED WITHOUT EXTRA COST.
- B. CONTRACTOR SHALL VERIFY AND EVALUATE ALL EXISTING CONDITIONS PRIOR TO THE COMMENCEMENT OF WORK.
- C. PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF COMPLETE AND OPERATING SYSTEMS.
- D. PROVIDE ONE YEAR GUARANTEE AGAINST DEFECTIVE MATERIALS AND WORKMANSHIP AFTER FINAL ACCEPTANCE BY OWNER.
- E. ENTIRE DEMOLITION AND NEW WORK INSTALLATION SHALL CONFORM WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, STATE AND FEDERAL AUTHORITIES INCLUDING BOCA, ASME, ASTM, ANSI, ASHRAE, SMACNA AND NFPA.
- F. CONTRACTOR SHALL PROTECT ALL ADJACENT AREA FROM PROJECT DUST AND DEBRIS.

2. MOTORS AND DRIVES

- A. MOTOR MANUFACTURERS: GENERAL ELECTRIC TRI-CLAD 700, LINCOLN, GOULD E-PLUS.
- B. BELT DRIVE MANUFACTURERS: T.B. WOODS, BROWNING, EATON.
- C. MOTOR CHARACTERISTICS: 1/2 HP AND OVER - 208V/3 PHASE/60; UNDER 1/2 HP - 115V/1 PHASE/60.
- D. MOTOR TYPE:
 - 1. HIGH EFFICIENCY (NEMA IEEE 112B), CONSTANT SPEED, 1.15 SERVICE FACTOR, CLASS B INSULATION, SQUIRREL CAGE INDUCTION TYPE.
 - 2. PROVIDE TEFC OR TEAO MOTORS.
- E. DRIVES: V-BELT, UNLESS OTHERWISE SPECIFIED, DESIGNED FOR 150 PERCENT OF HP RATING, BELT TENSIONER, VARIABLE PITCH SHEAVES FOR BALANCING AND PERMANENT FIXED PITCH SHEAVES. DELIVER VARIABLE PITCH SHEAVES TO OWNER AFTER FIXED PITCH SHEAVE REPLACEMENT.
- F. GUARDS: IN ACCORDANCE WITH OSHA. PROVIDE GREASE FITTING EXTENSIONS TO GUARD EXTERIOR AND TACHOMETER HOLE COVERPLATES.

3. MECHANICAL EQUIPMENT AND PIPING IDENTIFICATION

- A. PROVIDE IDENTIFICATION OF ALL PIPES, VALVES, AND EQUIPMENT
- B. IDENTIFICATION DEVICES TO BE USED SHALL INCLUDE THE FOLLOWING:
 - 1. PLASTIC PIPE MARKERS
 - 2. VALVE TAGS AND EQUIPMENT TAGS
 - 3. VALVE SCHEDULE
- C. IDENTIFICATION MATERIALS MANUFACTURED BY ONE OF THE FOLLOWING:
 - 1. SETON NAMEPLATE CORP.
 - 2. ALLEN SYSTEMS INC.
 - 3. BRADY CO.

4. INSULATION

ALL INSULATION SHALL HAVE A FLAME SPREAD RATING OF 25 OR LESS AND A SMOKE DEVELOPED RATING OF 50 OR LESS IN ACCORDANCE WITH ASTM E84 AND NFPA 90A.

B. DUCTWORK INSULATION

- 1. ALL SUPPLY DUCTWORK SHALL BE INSULATED WITH SEMI-RIGID BOARD TYPE FIBROUS GLASS INSULATION ASTM C 612. INSULATION SHALL HAVE FACTORY APPLIED REINFORCED ALUMINUM FOIL VAPOR BARRIER. THICKNESS TO BE 1-1/2", THERMAL CONDUCTIVITY: 0.22 AT 75°F.
- 2. ALL MAKE-UP AIR DUCTWORK SHALL BE INSULATED WITH SEMI-RIGID BOARD TYPE FIBROUS GLASS INSULATION ASTM C 612. INSULATION SHALL HAVE FACTORY APPLIED REINFORCED ALUMINUM FOIL VAPOR BARRIER. THICKNESS TO BE 1-1/2", THERMAL CONDUCTIVITY: 0.22 AT 75°F.
- 3. ALL EXHAUST AIR SYSTEMS SHALL BE INSULATED WITH SEMI-RIGID BOARD TYPE FIBROUS GLASS INSULATION ASTM C 612. INSULATION SHALL HAVE FACTORY APPLIED REINFORCED ALUMINUM FOIL VAPOR BARRIER. THICKNESS TO BE 1-1/2", THERMAL CONDUCTIVITY: 0.22 AT 75°F.
- 4. ALL RETURN AIR SOUND BOOTS SHALL BE INSULATED WITH OWENS CORNING TYPE 200 QUIETR ACOUSTIC DUCT LINER. DUCT LINER THICKNESS SHALL BE 2", THERMAL CONDUCTIVITY 0.25 AT 75°F.

C. EXISTING DUCTWORK AND PIPING INSULATION

- 1. ALL EXISTING INSULATION FOR DUCTWORK AND PIPING SYSTEMS PERTAINING TO THIS WORK, SHALL BE PATCHED AND/OR REPLACED AS REQUIRED TO MAINTAIN A VAPOR BARRIER.

5. SUPPORTS AND ANCHORS

- A. MANUFACTURERS: GRINNELL, B-LINE, O.Z. GEDNEY, MICHIGAN HANGER, BERGEN/CARPENTER AND PATERSON.
- B. USE MATERIALS COMPATIBLE WITH PIPING SYSTEMS AVOIDING ELECTROLYTIC ACTION AND CONFORM TO ANSI/ASME B31, NFPA, MSS SP-58, 69, 89.

6. TESTING AND BALANCING

- A. AIR BALANCING SHALL BE ACCOMPLISHED BY ADJUSTMENT OF ADJUSTABLE FAN SHEAVES. EXISTING BRANCH DAMPERS ARE TO BE USED FOR ANY REQUIRED TRIM ADJUSTMENT.
- B. BALANCING SHALL INCLUDE VAV AND DIFFUSER AIR FLOWS INCOMING AND OUTGOING TEMPERATURES AND PRESSURES.
- C. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND EQUIPMENT REQUIRED TO BALANCE ALL AIR SYSTEMS IN ACCORDANCE WITH QUANTITIES SHOWN.
- D. BALANCING SHALL BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER AND REPORT SHALL BE PROVIDED ON AABC TYPE FORMS.

7. AIR DISTRIBUTION SYSTEMS

- A. AIR TERMINALS
 - 1. SUPPLY AIR DIFFUSERS TO BE BUILDING STANDARD, MAKE AND MODEL.
 - 2. RETURN AIR REGISTERS TO BE BUILDING STANDARD, MAKE AND MODEL WITH SOUND BOOT.

B. SHEET METAL WORK

- 1. EXCEPT AS OTHERWISE SHOWN OR NOTED, ALL DUCTWORK AND OTHER SHEET METAL WORK SHALL BE GALVANIZED SHEET STEEL AND SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH LOCAL CODES, SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA) DUCT CONSTRUCTION STANDARDS. DUCT SYSTEMS TO BE 2" PRESSURE CLASS AND SHALL BE SUPPORTED WITH AN APPROVED HANGER AT INTERVALS NOT EXCEEDING 10 FT.
- 2. ALL DUCT DIMENSIONS INDICATED ON THE PLANS ARE INSIDE CLEAR DIMENSIONS.
- 3. SUPPLY DUCTWORK TO BE RECTANGULAR WITH HEMMED "S" LONGITUDINAL SEAMS AND DUCTMATE TRANSVERSE JOINTS.
- 4. ALL DUCTWORK BRANCHES SHALL BE SUPPLIED WITH A VOLUME DAMPER FOR BALANCING. VOLUME DAMPER SHALL HAVE A 2" OFFSET TO ACCOMMODATE EXTERNAL INSULATION.
- 5. MANUAL VOLUME DAMPERS: GALVANIZED STEEL, PER SMACNA EXCEPT PROVIDE BEARING AT ONE END OF DAMPER ROD AND QUADRANT, WITH LEVER AND LOCKSCREW AT THE OPPOSITE END. FOR INSULATED DUCTS, QUADRANTS MOUNTED ON COLLAR TO CLEAR INSULATION. LEVERS MUST BE ACCESSIBLE.
- 6. EXHAUST DUCTWORK ELBOWS TO BE LONG RADIUS TYPE.
- 7. ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK WHEREVER CONTROLS, FIRE DAMPERS, CONTROL DAMPERS, COILS, & INSTRUMENTS ARE INSTALLED.
- 8. FLEXIBLE DUCTWORK SHALL NOT PENETRATE WALLS. SHEET METAL DUCTWORK IS REQUIRED AT ALL FIRE-RATED AND DRAFTSTOP WALL PENETRATIONS.
- 9. ALL COVERINGS, LININGS AND ADHESIVES (TAPES, ETC.) SHALL HAVE A FLAME-SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE-DEVELOPED INDEX NOT GREATER THAN 50.
- 10. ALL SUPPLY AIR DIFFUSERS SHALL BE INSULATED TO PREVENT CONDENSATION.



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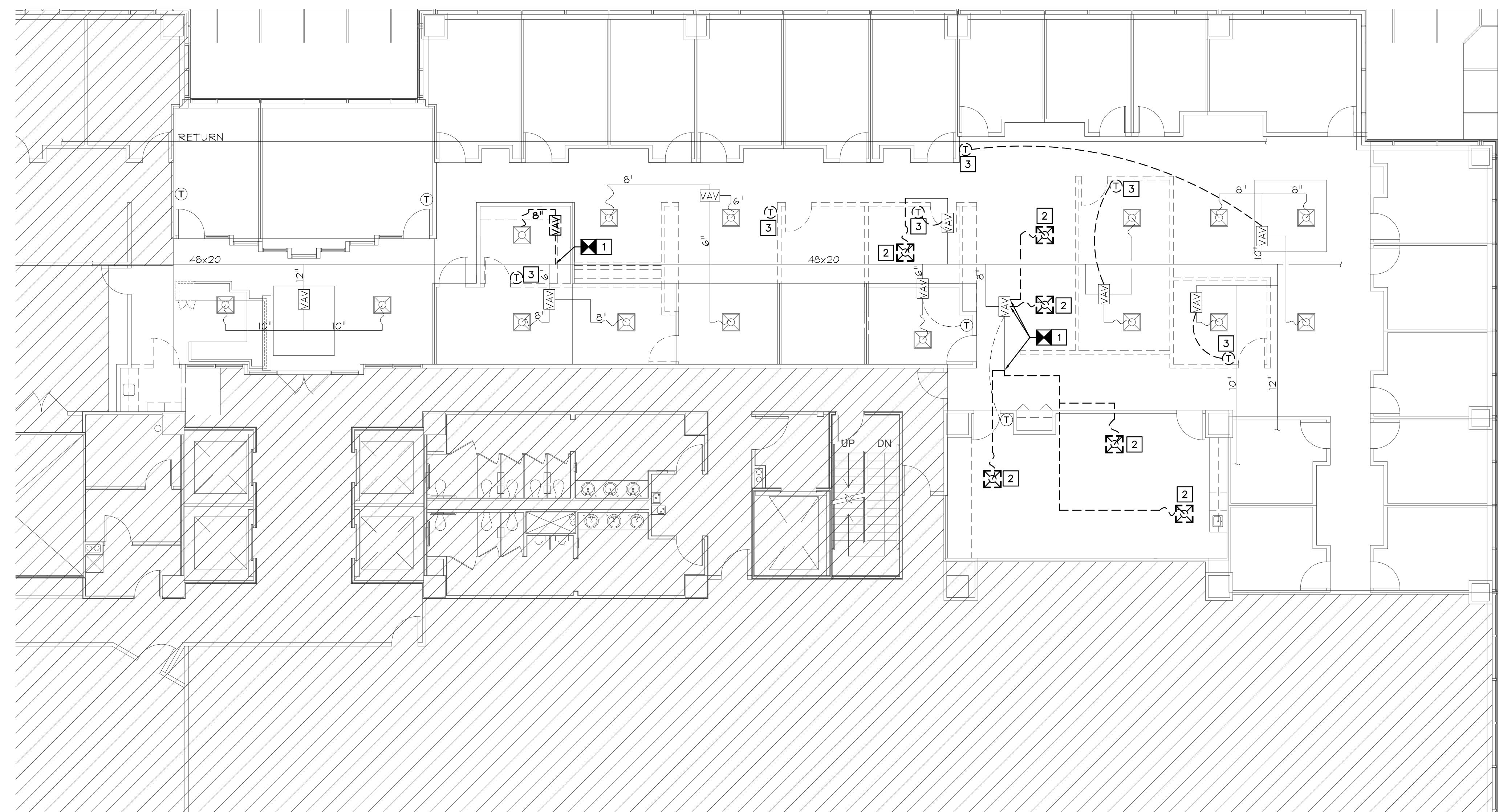
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01 MECHANICAL DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

MECHANICAL DEMOLITION GENERAL NOTES:

1. PREP EXISTING DUCTWORK FOR NEW DUCTWORK. EXAMINE ALL VISIBLE DUCTWORK FOR DAMAGE. REPORT ALL EXISTING DAMAGE OF DUCTWORK TO OWNER PRIOR TO REMOVAL.
2. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF NEW DUCTWORK WITH ALL OTHER TRADES INVOLVED PRIOR TO INSTALLATION.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING DUCTWORK, DIFFUSERS, AND GRILLES PRIOR TO CONSTRUCTION AND BRING ANY DISCREPANCIES TO ENGINEERS ATTENTION.
4. INSULATE ALL DUCT TO A MINIMUM R-VALUE OF 5.0 PER SPECIFICATIONS.
5. AT ALL LOCATIONS OF DAMAGED OR REMOVAL OF FIRE PROOFING MATERIALS ON STRUCTURAL ELEMENTS, CONTRACTOR MUST RESTORE SUCH FIRE-PROOFING AFTER REQUIRED CONSTRUCTION IS COMPLETED.
6. ALL LIFE SAFETY AND FIRE SPRINKLER SYSTEMS MUST REMAIN OPERABLE DURING DEMOLITION AND CONSTRUCTION AT ALL TIMES.
7. ANY EQUIPMENT OR SERVICE SHUTDOWNS REQUIRED FOR THIS WORK MUST BE APPROVED AND COORDINATED WITH THE PROJECT MANGER. A 48 HOUR ADVANCED NOTICE TO LANDLORD IS REQUIRED.
8. CRAFTSMAN SHALL REPAIR AND MATCH ANY EXISTING INSULATION DAMAGED DURING THE INSTALLATION OF EQUIPMENT OR SERVICES.
9. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILE & GRID AS NEEDED TO COMPLETE WORK.
10. ALL WORK THAT OCCURS ON OTHER FLOORS OR IN AREAS OUTSIDE OF CONTRACT LIMITS SHALL BE COORDINATED WITH OWNER AND OTHER BUILDING TENANTS A MINIMUM OF 48 HOURS PRIOR TO START OF WORK.
11. PROVIDE PROTECTIVE COVERINGS FOR EXISTING CONSTRUCTION, DESIGNATED TO REMAIN, TO PREVENT DAMAGE.
12. CONTRACTOR SHALL BE RESPONSIBLE TO CLEANUP ALL DUST AND DEBRIS CREATED DURING THE CONSTRUCTION PERIOD.
13. CONTRACTOR SHALL PATCH AND FILL ANY FIRE RATED ASSEMBLIES AND FIRE STOP ALL JOINTS TO MATCH EXISTING FIRE RATING.
14. CONTRACTOR SHALL COMPLETE PRE-CONSTRUCTION AIR BALANCE OF EXISTING SPACE PRIOR TO CONSTRUCTION. PROVIDE REPORT TO MECHANICAL ENGINEERS.

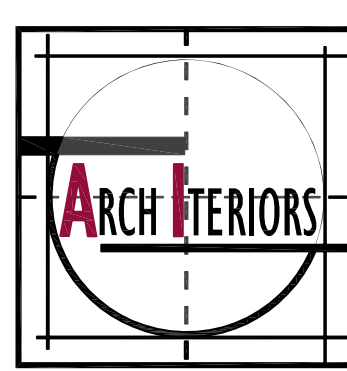
DRAWING KEY NOTES:

ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY " [] ".

1. REMOVE & DISCARD EXISTING SUPPLY DUCTWORK FROM POINT INDICATED TO END OF RUN. PREP EXISTING SUPPLY TRUNK FOR CONNECTION OF NEW SUPPLY DUCTWORK. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF DUCTWORK PRIOR TO DEMOLITION. PATCH DUCT TO MATCH EXISTING.
2. CONTRACTOR SHALL REMOVE SUPPLY/RETURN DIFFUSER AND SAVE FOR REUSE. STORE IN AREA DESIGNATED BY OWNER. REFER TO DRAWING M3.1 FOR NEW DIFFUSER LOCATIONS.
3. REMOVE THERMOSTAT AND SET ASIDE FOR RE-USE.

MECHANICAL SYMBOL LEGEND:

	SUPPLY DIFFUSER TO REMAIN
	SUPPLY DIFFUSER TO BE REMOVED
	RETURN GRILLE TO REMAIN
	RETURN GRILLE TO BE REMOVED
	POINT OF DISCONNECTION
	ITEM TO BE REMOVED
	DUCTWORK/EQUIPMENT TO BE REMOVED
	DUCTWORK TO REMAIN
	AUTOMATIC AIR DAMPER (AAD)
	THERMOSTAT
	LINEAR DIFFUSER TO REMAIN
	LINEAR DIFFUSER TO BE REMOVED
	REDUCER
	VAV BOX



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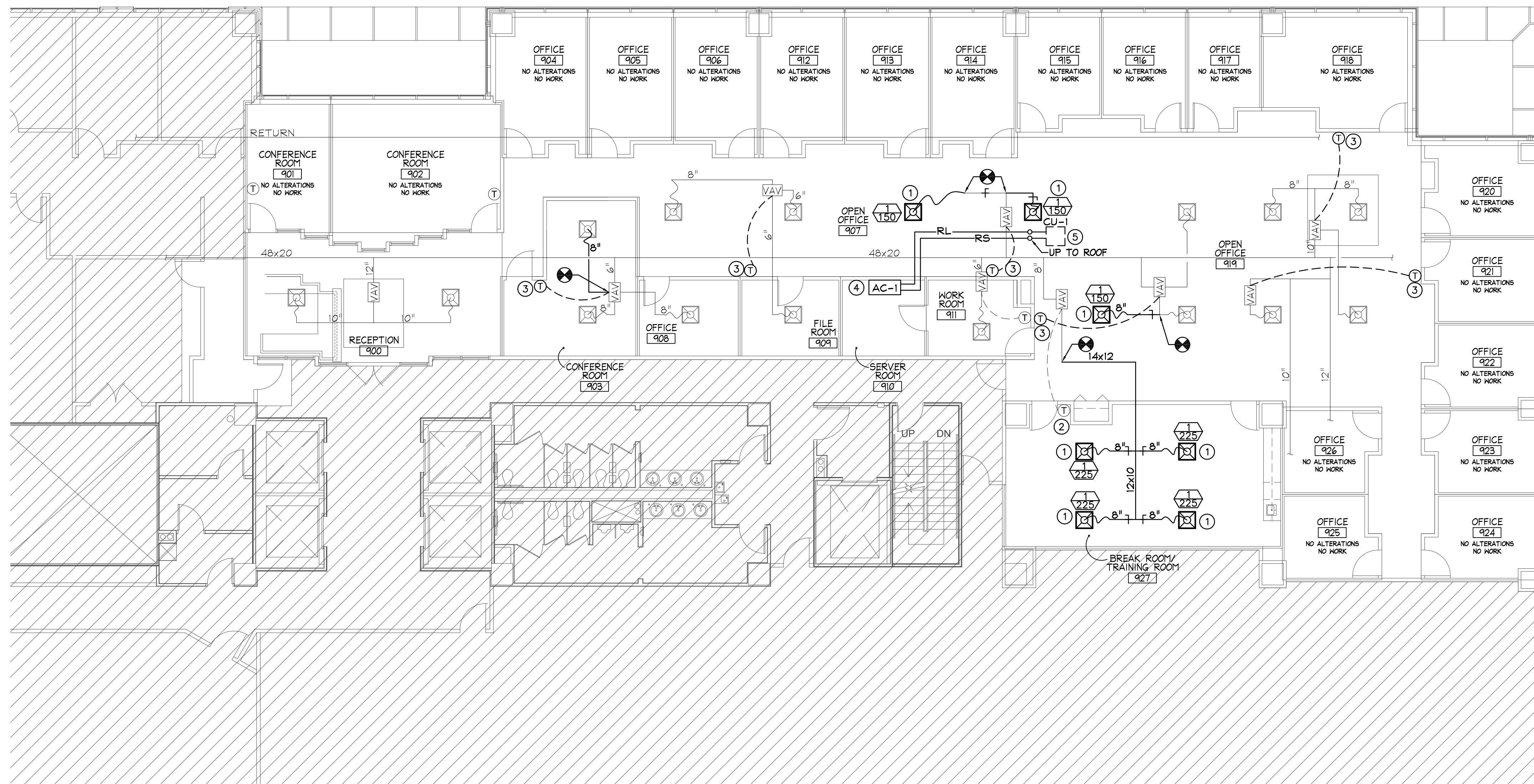
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M2.1
 MECHANICAL
 DEMOLITION PLAN



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

MECHANICAL SYMBOL LEGEND:

- NEW WALL
- SUPPLY DIFFUSER
- SUPPLY DUCT EXISTING
- SUPPLY DUCT BRANCH (EX)
- SUPPLY DUCT (NEW)
- THERMOSTAT
- TAG NUMBER
- CFM VALUE
- THERMOSTAT WIRING
- MANUAL BALANCING DAMPER
- DUCT REDUCER
- RETURN GRILLE

AIR DEVICE SCHEDULE				
TAG	TYPE	SIZE	MATERIAL	MAKE & MODEL
1	SUPPLY (NEW)	24"x24"	STEEL	BUILDING STANDARD

DRAWING KEY NOTES:

ALL NOTES APPLY; NOTES REFERENCED ON PLANS BY "⊖".

- MECHANICAL CONTRACTOR SHALL PROVIDE NEW 24"x24" SUPPLY AIR DIFFUSER AS SHOWN. CONNECT TO SUPPLY AIR SYSTEM PER DETAIL ON DRAWING M4.1. RUN NEW DUCTWORK BACK TO VAV AS SHOWN REFER TO AIR DEVICE SCHEDULE FOR ADDITIONAL INFORMATION.
- EXISTING THERMOSTAT TO REMAIN AS IS.
- CONTRACTOR SHALL RELOCATE EXISTING THERMOSTAT TO POINT INDICATED. THERMOSTAT MOUNTING HEIGHT TO BE 48" MAX. PROVIDE ALL PIPING AND CONNECTIONS REQUIRED TO RELOCATE THERMOSTAT AND CONNECT TO VAV.
- CONTRACTOR SHALL PROVIDE MITSUBISHI MODEL PKA-A18HA4 SPLIT SYSTEM AIR CONDITIONER UNIT AND INSTALL IN LOCATION SHOWN. ROUTE PUMPED CONDENSATE LINE TO FLOOR DRAIN IN CENTRAL MECHANICAL ROOM. PROVIDE WALL MOUNTED THERMOSTAT IN LOCATION SHOWN WITH UNIT AND INSTALL PER MANUFACTURER'S INSTRUCTIONS. SEE DETAIL ON DRAWING M4.1 FOR MORE INFORMATION.
- CONTRACTOR SHALL PROVIDE MITSUBISHI MODEL PUY-A18NH44 OUTDOOR CONDENSING UNIT ON ROOF BEHIND SCREENWALL. COORDINATE FINAL LOCATION WITH BUILDING ENGINEER PRIOR TO CONSTRUCTION. INSTALL ON 6% PRESSURE TREATED TIMBERS ON ROOF. ROUTE REFRIGERANT LINE AS SHOWN TO INDOOR UNIT. INSTALL REFRIGERANT LINES TIGHT TO UNDERSIDE OF SLAB. SUSPEND PER LOCAL CODE. SEE DETAIL ON DRAWING M4.1 FOR MORE INFORMATION. PROVIDE ROOF PENETRATION FOR REFRIGERANT PIPING AND ELECTRICAL CONDUIT. COORDINATE INSTALLATION WITH ROOFING CONTRACTOR. ROOF CURB FOR PIPE AND CONDUIT PENETRATION TO BE RPS OR EQUIVALENT.

MECHANICAL GENERAL NOTES:

- PREP EXISTING DUCTWORK FOR NEW DUCTWORK. EXAMINE ALL VISIBLE DUCTWORK FOR DAMAGE. REPORT ALL EXISTING DAMAGE OF DUCTWORK TO OWNER PRIOR TO REMOVAL.
- CONTRACTOR SHALL COORDINATE FINAL LOCATION OF NEW DUCTWORK WITH ALL OTHER TRADES INVOLVED PRIOR TO INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING DUCTWORK, DIFFUSERS, AND GRILLES PRIOR TO CONSTRUCTION AND BRING ANY DISCREPANCIES TO ENGINEERS ATTENTION.
- INSULATE ALL DUCT TO A MINIMUM R-VALUE OF 4.2.
- AT ALL LOCATIONS OF DAMAGED OR REMOVAL OF FIRE PROOFING MATERIALS ON STRUCTURAL ELEMENTS, CONTRACTOR MUST RESTORE SUCH FIRE-PROOFING AFTER REQUIRED CONSTRUCTION IS COMPLETED.
- ALL LIFE SAFETY AND FIRE SPRINKLER SYSTEMS MUST REMAIN OPERABLE DURING DEMOLITION AND CONSTRUCTION AT ALL TIMES.
- ANY EQUIPMENT OR SERVICE SHUTDOWNS REQUIRED FOR THIS WORK MUST BE APPROVED AND COORDINATED WITH THE PROJECT MANGER. A 48 HOUR ADVANCED NOTICE TO LANDLORD IS REQUIRED.
- CRAFTSMAN SHALL REPAIR AND MATCH ANY EXISTING INSULATION DAMAGED DURING THE INSTALLATION OF EQUIPMENT OR SERVICES.
- ALL WORK THAT OCCURS ON OTHER FLOORS OR IN AREAS OUTSIDE OF CONTRACT LIMITS SHALL BE COORDINATED WITH OWNER AND OTHER BUILDING TENANTS A MINIMUM OF 48 HOURS PRIOR TO START OF WORK.
- PROVIDE PROTECTIVE COVERINGS FOR EXISTING CONSTRUCTION, DESIGNATED TO REMAIN, TO PREVENT DAMAGE.
- CONTRACTOR SHALL BE RESPONSIBLE TO CLEANUP ALL DUST AND DEBRIS CREATED DURING THE CONSTRUCTION PERIOD.
- CONTRACTOR SHALL PATCH AND FILL ANY FIRE RATED ASSEMBLIES AND FIRE STOP ALL JOINTS TO MATCH EXISTING FIRE RATING.
- ALL WORK PERFORMED SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- ALL DIMENSIONS, CLEARANCES AND TOLERANCES SHALL BE VERIFIED PRIOR TO INSTALLATION.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ITS LISTING AND/OR THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- PRIOR TO BUILDING TURNOVER, A COMPLETE START-UP, TEST, ADJUST AND BALANCE SHALL BE PERFORMED ON ALL MECHANICAL SYSTEMS. THIS WORK SHALL BE PERFORMED BY A CERTIFIED TEST AND BALANCE CONTRACTOR. A CERTIFIED TEST AND BALANCE CONTRACTOR CAN BE FOUND BY VISITING:
[HTTP://WWW.AABCHQ.COM/DIRECTORY](http://www.aabchq.com/directory)
[HTTP://WWW.NEBB.ORG/DIRECTORY.HTM](http://www.nebb.org/directory.htm)
[HTTP://WWW.TABCCERTIFIED.ORG/SITE/CONTENT/CONTRACTORS/SEARCH](http://www.tabccertified.org/site/content/contractors/search)
- AIR BALANCE TO INCLUDE VERIFICATION OF AIR FLOWS TO THE EXISTING SPACES PER THE PRE. BALANCE INFORMATION.

VENTILATION SYSTEMS:

- ALL SHEET METAL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH LOCAL CODES AND SMACNA STANDARDS.
- ALL SHEET METAL DUCTWORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA TABLES FOR 2" W.C. AND SHALL BE SUPPORTED WITH AN APPROVED HANGER AT INTERVALS NOT EXCEEDING 10 FT.
- ALL DUCTWORK BRANCHES SHALL BE SUPPLIED WITH A VOLUME DAMPER FOR BALANCING. VOLUME DAMPER SHALL HAVE A 2" OFFSET TO ACCOMMODATE EXTERNAL INSULATION.
- FLEXIBLE DUCTWORK SHALL NOT PENETRATE WALLS. SHEET METAL DUCTWORK IS REQUIRED AT ALL FIRE-RATED AND DRAFTSTOP WALL PENETRATIONS.
- ALL COVERINGS, LININGS AND ADHESIVES (TAPES, ETC.) SHALL HAVE A FLAME-SPREAD INDEX NOT GREATER THAN 25 AND A SMOKE-DEVELOPED INDEX NOT GREATER THAN 50.
- ALL SUPPLY AIR DIFFUSERS SHALL BE INSULATED TO PREVENT CONDENSATION.

REFRIGERANT PIPING

- ALL REFRIGERATION WORK SHALL BE PERFORMED BY A CERTIFIED REFRIGERATION CONTRACTOR.
 - ALL REFRIGERANT PIPING SHALL BE SEAMLESS COPPER TUBING OF TYPE L IN ACCORDANCE WITH ASTM B 88 AND ALL JOINTS SHALL BE SOLDERED.
 - ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH A MINIMUM 1/2" FOAM PIPE INSULATION. PIPE INSULATION INSTALLED OUTDOORS SHALL BE PROTECTED WITH AN APPROVED WEATHERPROOFING MATERIAL.
 - ALL SUSPENDED REFRIGERANT PIPING SHALL BE SUPPORTED AS FOLLOWS:
- | MATERIAL | MAX. HORIZ. SPACING | MAX. VERT. SPACING |
|--------------------|---------------------|--------------------|
| COPPER TUBING 1/2" | 6 FT. | 10 FT. |
| COPPER TUBING 3/8" | 10 FT. | 10 FT. |
- ALL REFRIGERANT PIPING SHALL BE SIZED PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 - ALL PIPE INSULATION SHALL BE PROTECTED FROM DAMAGE FROM PIPE HANGERS. PROTECTION SHALL BE LIGHT GAUGE GALVANIZED STEEL OR EQUAL.
 - ALL REFRIGERANT PIPING SYSTEMS SHALL BE PRESSURE TESTED FOR LEAKS PRIOR TO START-UP. ALL LEAKS SHALL BE REMEDIATED PRIOR TO BUILDING TURNOVER.

CONDENSATE PIPING

- CONDENSATE PIPING SHALL BE GALVANIZED STEEL, COPPER OR PVC.
 - PIPING SHALL BE SUPPORTED AS FOLLOWS:
- | MATERIAL | MAX. HORIZ. SPACING | MAX. VERT. SPACING |
|------------------|---------------------|--------------------|
| COPPER PIPE | 12 FT. | 10 FT. |
| GALVANIZED STEEL | 12 FT. | 15 FT. |
| PVC | 4 FT. | 15 FT. |
- CONDENSATE PIPING SHALL SLOPE A MINIMUM OF 1/8" PER FOOT.



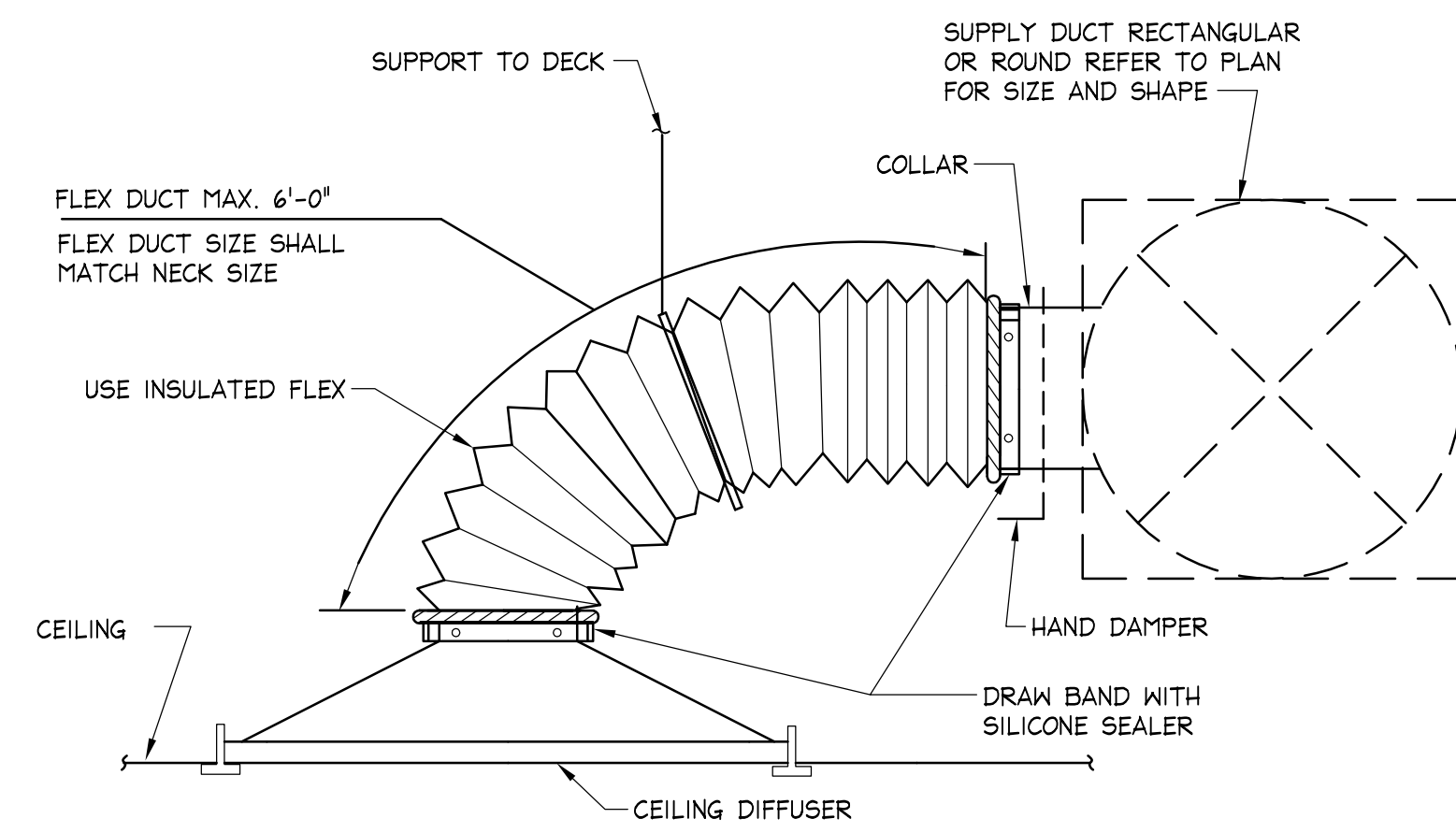
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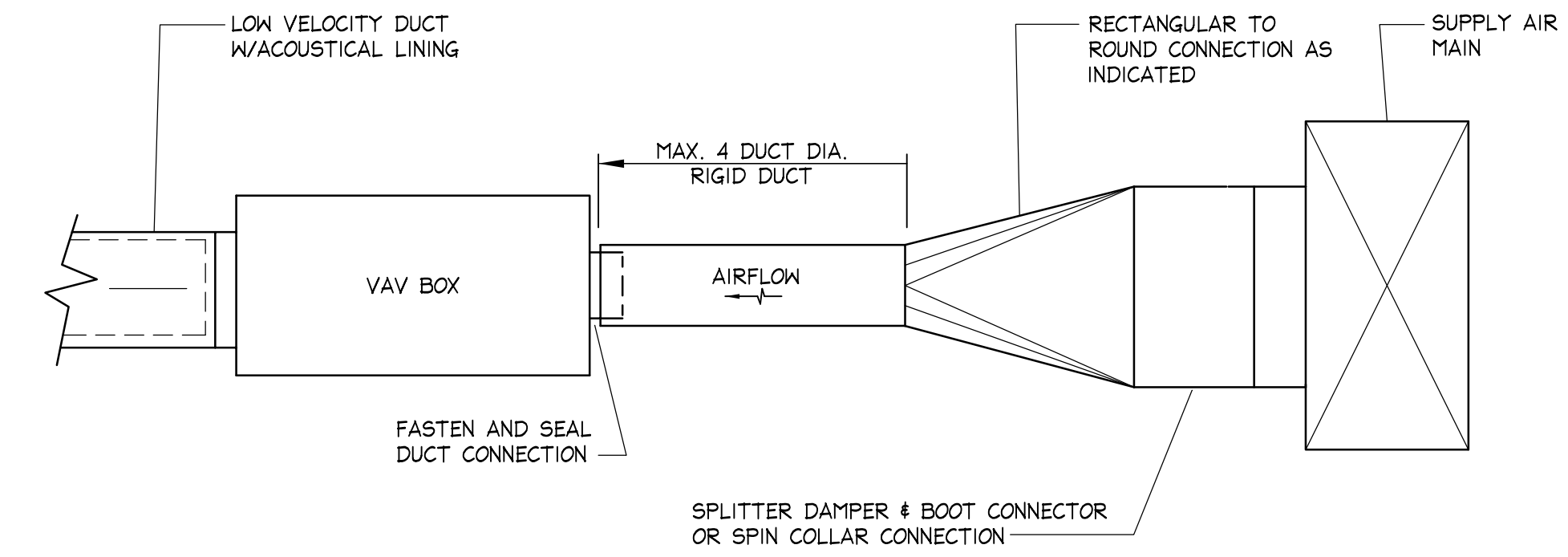
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PROJECT NO: 410.2215.00
DRAIN BY: JSS
DATE: 05.02.16
CHECKED BY: HFM
ISSUED FOR: BID & PERMIT

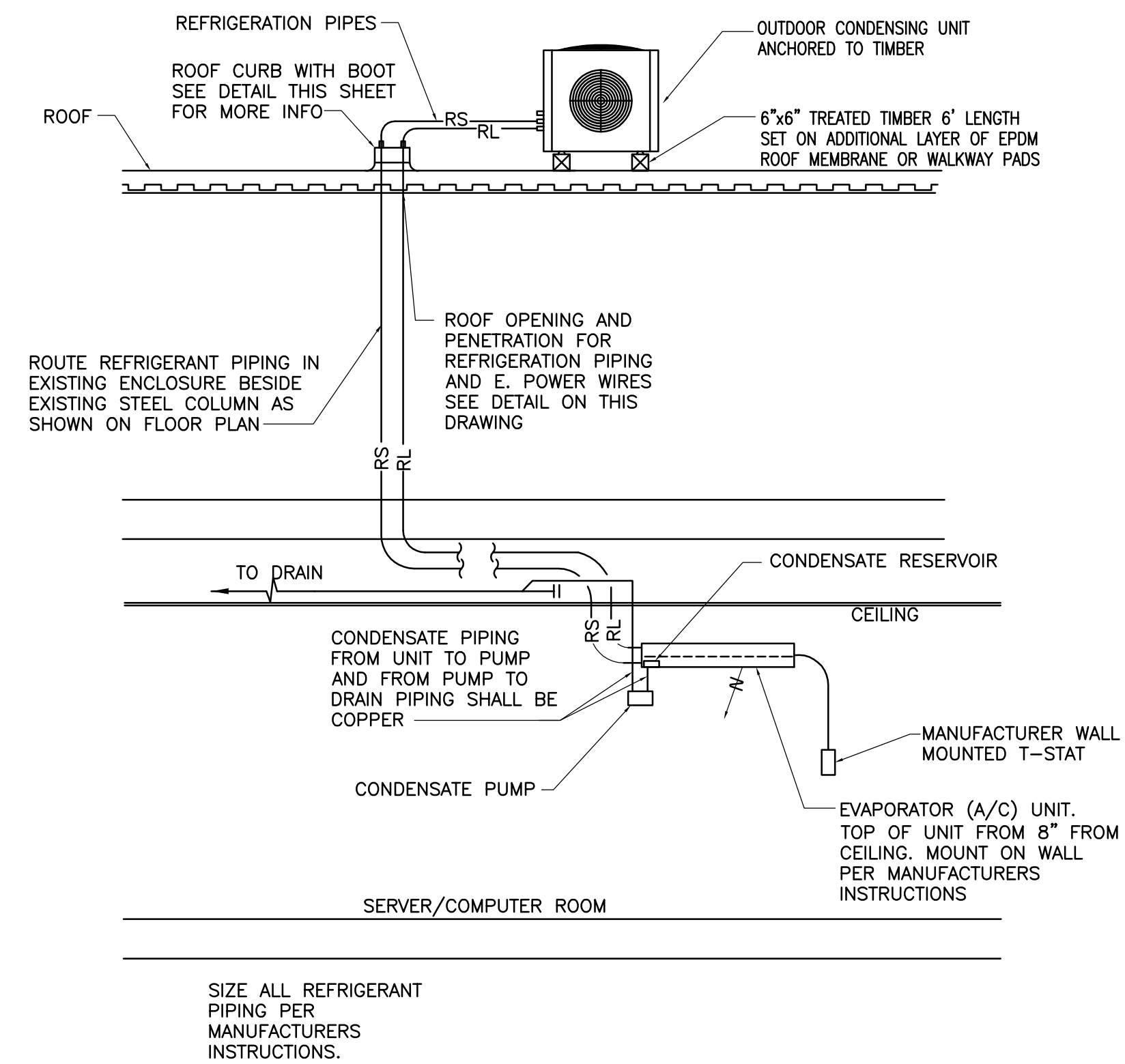
M3.1
MECHANICAL PLAN



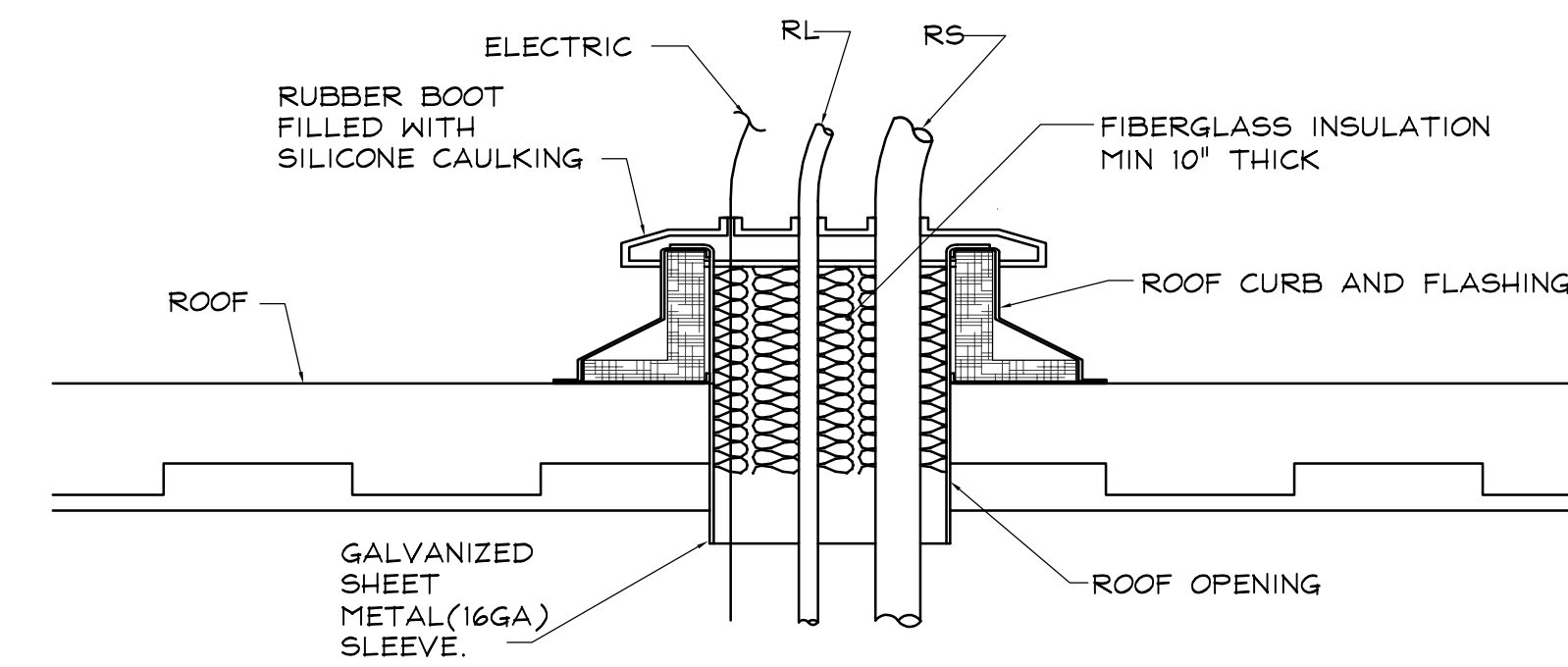
01 TYPICAL DIFFUSER CONNECTION
SCALE: N.T.S.



02 VAV DETAIL
SCALE: N.T.S.



03 SPLIT SYSTEM DETAIL
SCALE: N.T.S.



04 ROOF PENETRATION FOR SPLIT SYSTEM
SCALE: N.T.S.



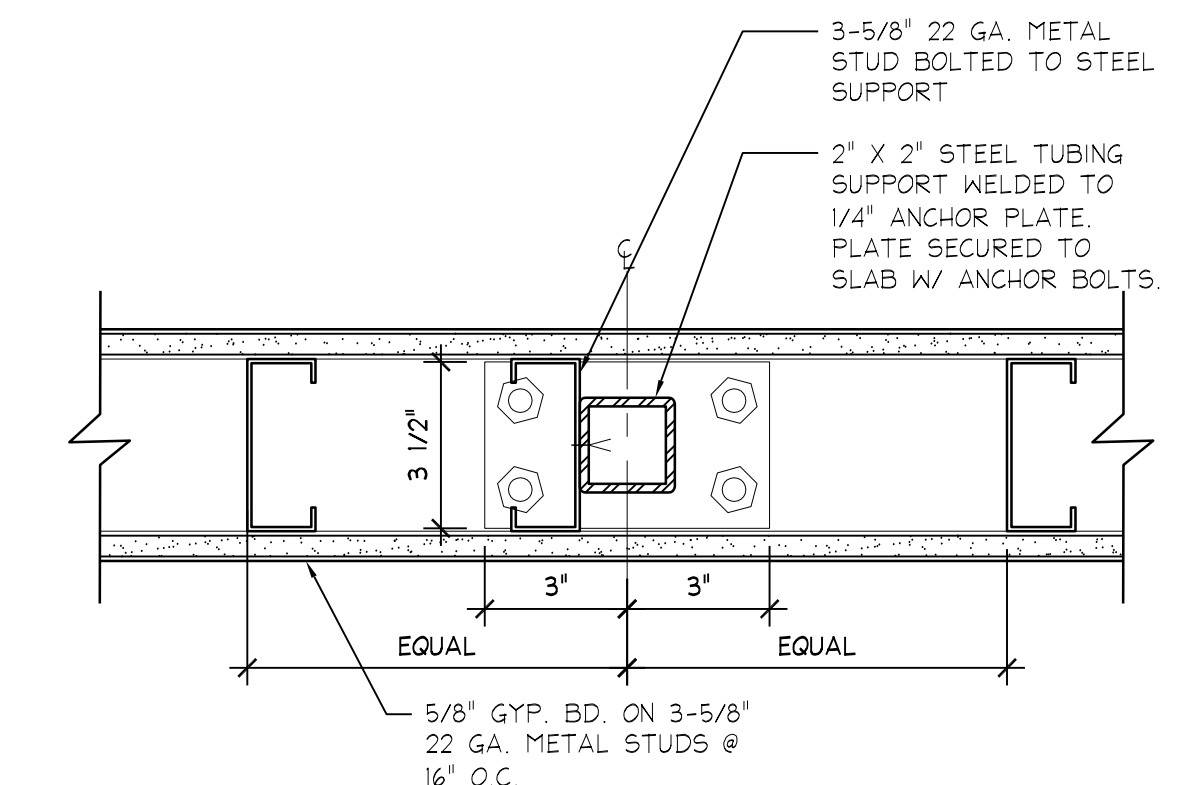
05/02/16
ARCHITECT
ARCHITERIOS 17111 Preston Rd., Suite 130, Dallas, TX 75248
ENGINEER
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255 East Avenue, Rochester, NY 14604, (585) 512-2000

LFA OVERLAND PARK
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A member of Lincoln Financial Group
10851 MASTIN STREET
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OVERLAND PARK, KS 66210

REVISIONS:

PROJECT NO: 410.2215.00
DRAWN BY: JSS
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ISSUED FOR: BID & PERMIT

M4.1
MECHANICAL
DETAILS



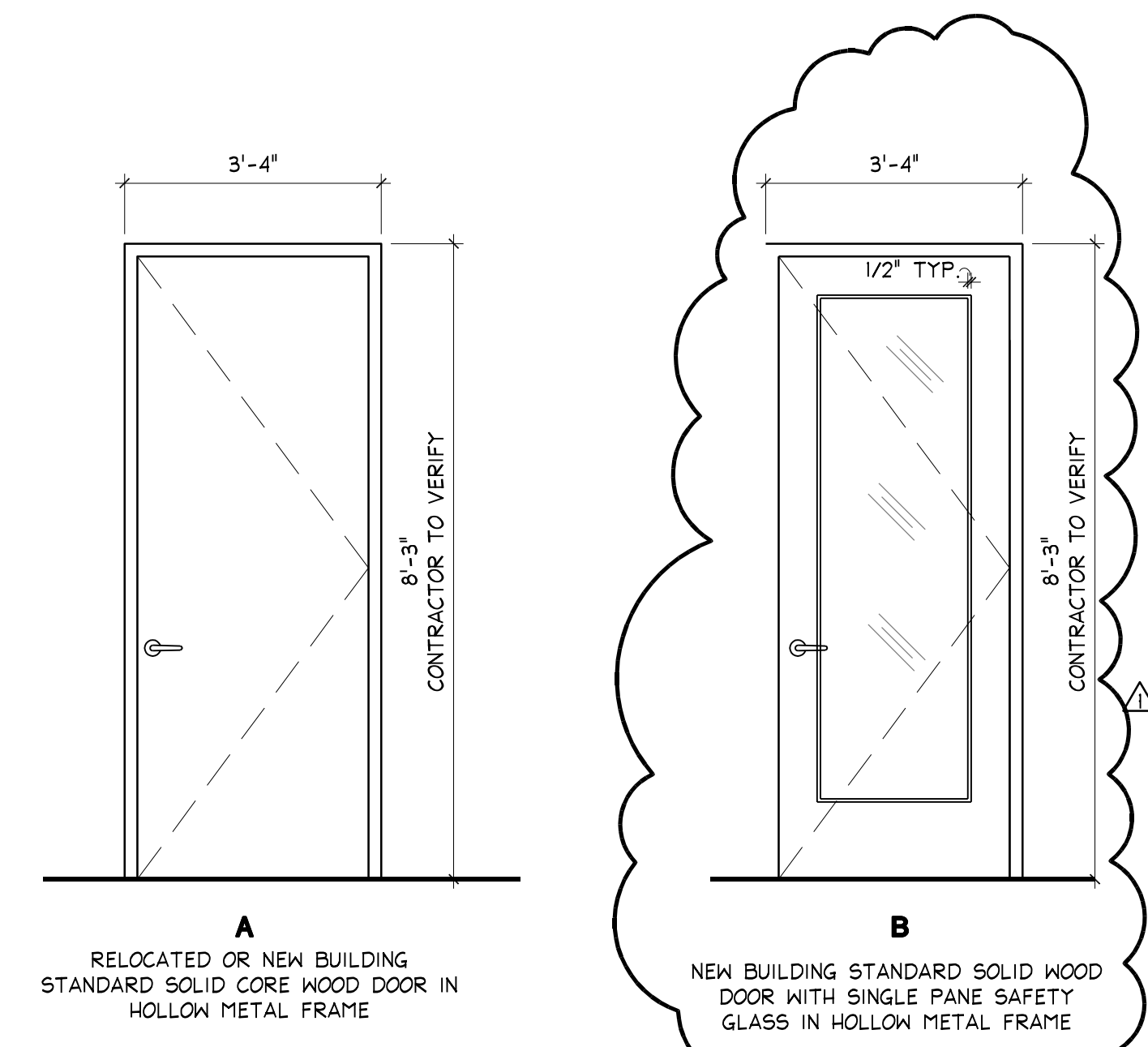
04 SECTION OF WALL TYPE C
SCALE: 3" = 1'-0"

NOTES

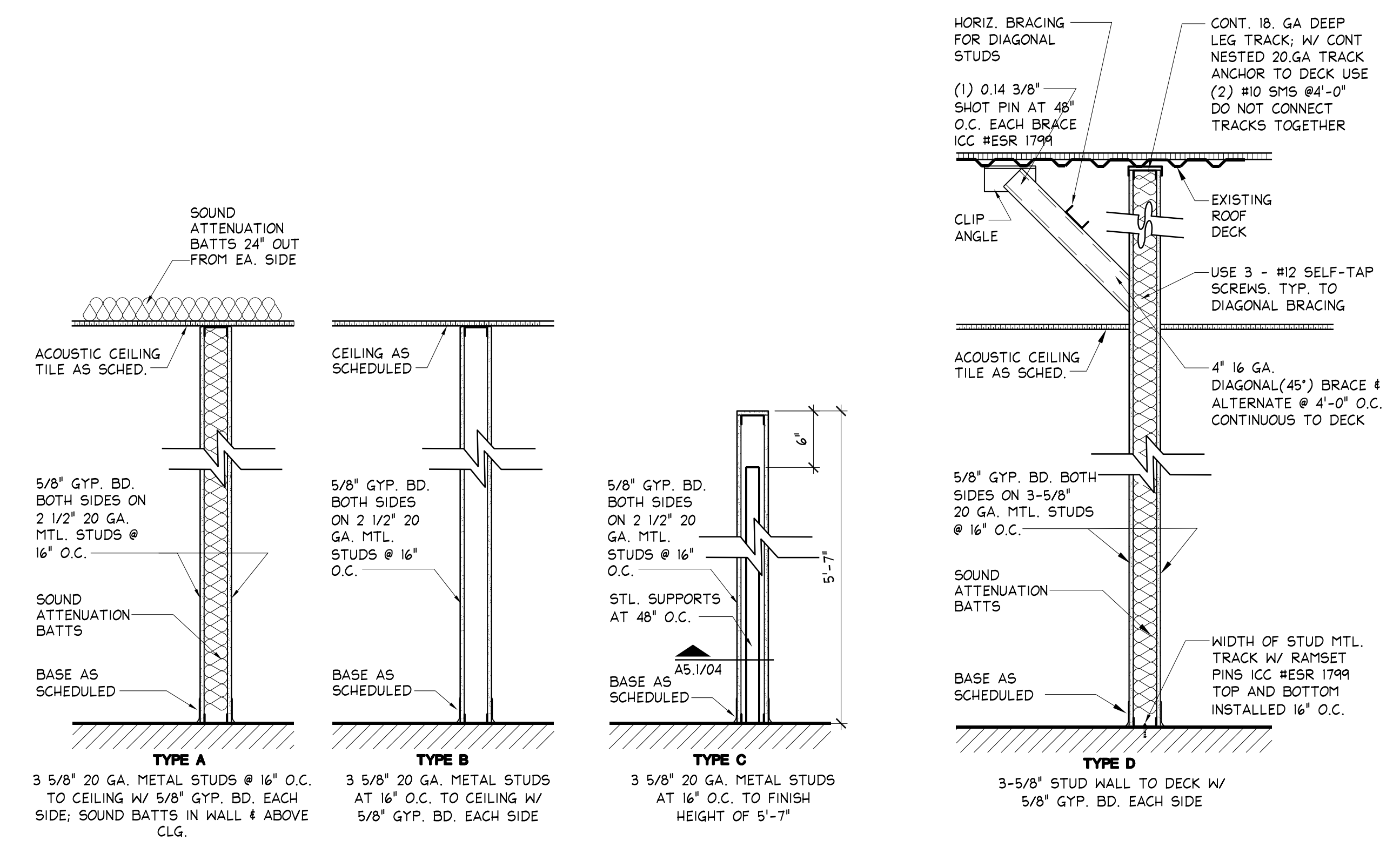
- EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- DOORS TO BE KEYPED AS FOLLOWS:
*(1) TENANT MASTER
*(2) GRAND MASTER
- DOOR HARDWARE TO BE BUILDING STANDARD SPECIFICATION.
- CONTRACTOR TO INSTALL NEW OFFICE LOCKSETS ALL EXISTING OFFICE (18 TOTAL).
- CONTRACTOR TO INSTALL NEW WALL MOUNTED DOOR STOP, TYPICAL THROUGHOUT.
- CONTRACTOR TO VERIFY EXISTING DOORS HAVE HARDWARE INDICATED BY 'O', IF NOT, INSTALL PER BUILDING STANDARD SPECIFICATION.

NO.	ROOM NAME	TYPE	MATERIAL	DOOR SIZE	FRAME	HINGES	OFFICE FUNCTION LOCKSET	STOREROOM LOCKSET	FUNCTION LOCKSET	FUNCTION LOCKSET HARDWARE SET	LEVER HANDLE	CLOSER	CONCEALED CLOSER	COAT HOOK	CARD READER	ELECTRIC STRIKE	PUSH/PULL HARDWARE	MAGNETIC LOCK	NOTES
903	CONFERENCE ROOM	EX	EXISTING	EXISTING	EXISTING	●	●												EXISTING DOOR & HARDWARE TO REMAIN
906	OFFICE	A	EXISTING	EXISTING	EXISTING	●	●												RELOCATE LOCKSET HARDWARE FROM EXISTING OFFICE
910	FILE ROOM	A	EXISTING	EXISTING	EXISTING	●													RELOCATE DOOR & LOCKSET HARDWARE FROM EXISTING SURPLUS DOORS
911	SERVER ROOM	A	EXISTING	EXISTING	EXISTING	●													RELOCATE EXISTING DOOR W/ VENT AND LOCKSET HARDWARE
914	WORK ROOM	EX	EXISTING	EXISTING	EXISTING	●													RELOCATE DOOR & HARDWARE FROM EXISTING SURPLUS DOORS
928	SEPARATE SUITE	B	SOLID CORE WOOD	3'-0" x 8'-3"	HOLLOW METAL	●	●												CONFIRM DOOR, HARDWARE AND FRAME SPECIFICATIONS WITH LANDLORD

03 DOOR SCHEDULE
SCALE: N.T.S.



02 DOOR TYPE
SCALE: 1/2" = 1'-0"



NOTE: CONTRACTOR TO INSTALL COMMERCIAL GRADE SOUND ATTENUATION WITH A STC RATING NO LOWER THAN 45; PROVIDE SUBMITTAL FOR REVIEW BY ARCHITECT PRIOR TO INSTALLATION.

01 WALL PARTITION TYPES
SCALE: 3/4" = 1'-0"

SECTION 0100 - SUMMARY OF WORK

PART 1 - GENERAL

1.01 RELATED SECTIONS:

- A. CONDITIONS OF THE CONTRACT.
- B. OWNER/CONTRACTOR AGREEMENT.

1.02 WORK COVERED BY CONTRACT DOCUMENTS:

- A. WORK OF THIS PROJECT COMPRISES MINOR DEMOLITION AND REMODEL OF INTERIOR SPACE ON 10851 MASTIN STREET, SUITE 950, OVERLAND PARK, KS 66210

1.03 CONTRACTS:

- A. PERFORM WORK UNDER SINGLE CONTRACT AS DESIGNATED IN OWNER - CONTRACTOR AGREEMENT.

1.04 WORK BY OTHERS:

- A. WORK ON PROJECT WHICH MAY BE EXECUTED CONCURRENT WITH WORK OF THIS CONTRACT, AND WHICH IS EXCLUDED FROM THIS CONTRACT, IS AS FOLLOWS:
 - 1. AS DETERMINED BY OWNER AND/OR TENANT.
- B. CONSULT AND COOPERATE WITH OWNER/TENANT AND SEPARATE CONTRACTORS TO THE FULL EXTENT PROVIDED FOR THE CONDITIONS OF THE CONTRACT.

1.05 WORK SEQUENCE:

- A. CONSTRUCT WORK IN STAGES TO ACCOMMODATE OWNER'S/TENANT'S USE OF PREMISES DURING CONSTRUCTION PERIOD. COORDINATE PROGRESS SCHEDULE AND OPERATIONS WITH OWNER, ARCHITECT AND TENANT.

1.06 CONTRACTOR'S USE OF PREMISES:

- A. CONTRACTOR SHALL LIMIT HIS USE OF PREMISES FOR WORK AND FOR STORAGE, TO ALLOW FOR:
 - 1. WORK BY SEPARATE CONTRACTORS OR BY OWNER/TENANT.
 - 2. OWNER/TENANT OCCUPANCY IF OR AS REQUIRED.
- B. COORDINATE USE OF PREMISES UNDER DIRECTION OF OWNER/TENANT:
 - 1. STORE AND STAGE MATERIALS IN AREAS APPROVED BY OWNER/TENANT.
 - 2. MAINTAIN ACCESS TO EXISTING BUILDINGS, FACILITIES, STREETS, WALKS, FIRE HYDRANTS, ETC. UNLESS SPECIFICALLY DESIGNATED OTHERWISE.
 - 3. DO NOT PERFORM OPERATIONS THAT COULD INTERFERE WITH OWNER'S/TENANT'S CONTINUED USE OF EXISTING SPACES TO REMAIN.
 - 4. DO NOT INTERRUPT UTILITY SERVICE TO EXISTING AREAS WITHOUT PRIOR APPROVAL OF OWNER/TENANT.
 - 5. MOVE ANY STORED PRODUCTS, UNDER CONTRACTOR'S CONTROL, WHICH INTERFERE WITH OPERATIONS OF OWNER/TENANT OR SEPARATE CONTRACTORS.
- C. ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF PRODUCTS UNDER THIS CONTRACT, STORED ON SITE.
- D. OBTAIN AND PAY FOR USE OF ANY ADDITIONAL STORAGE OR WORK AREAS NEEDED FOR OPERATIONS.

1.07 OWNER OCCUPANCY:

- A. OWNER/TENANT MAY OCCUPY PORTIONS OF THE PREMISES DURING PART OF OR FOR THE ENTIRE PERIOD OF CONSTRUCTION FOR CONDUCT OF HIS NORMAL OPERATIONS. COOPERATE WITH OWNER/TENANT IN ALL CONSTRUCTION TO MINIMIZE CONFLICT, AND TO FACILITATE OWNER/TENANT USAGE.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

NOT USED.

END OF SECTION

SECTION 0107 - REFERENCE STANDARDS

PART 1 - GENERAL

1.01 QUALITY ASSURANCE:

- A. VARIOUS SECTIONS OF SPECIFICATIONS CONTAIN REFERENCES TO ASSOCIATION, TRADE OR FEDERAL STANDARDS. APPLICABLE PORTIONS OF STANDARDS LISTED THAT ARE NOT IN CONFLICT WITH SPECIFICATION REQUIREMENTS ARE HEREBY MADE A PART OF CONTRACT DOCUMENTS.
- B. MODIFICATIONS AND EXCEPTIONS TO STANDARDS SHALL BE CONSIDERED AS AMENDMENTS AND UNMODIFIED PORTIONS SHALL REMAIN IN EFFECT.
- C. IN CASE OF CONFLICT BETWEEN STANDARDS, OR BETWEEN SPECIFICATIONS AND STANDARDS, MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- D. EDITIONS OF STANDARDS SHALL BE LATEST EDITION AT TIME OF BID OPENING INCLUDING ANY SUPPLEMENTS OR AMENDMENTS THERETO.
- E. REFERENCE STANDARDS ARE LISTED AT THE BEGINNING OF EACH SECTION AND ARE THEREAFTER REFERRED TO USING ABBREVIATIONS.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

NOT USED.

END OF SECTION

SECTION 0120 - PROJECT MEETINGS

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED:

- A. SCHEDULE AND ADMINISTER PRE-CONSTRUCTION CONFERENCE AND PROGRESS MEETINGS:
 - 1. MAKE PHYSICAL ARRANGEMENTS FOR MEETINGS; NOTIFY ALL INVOLVED PARTIES AT LEAST FOUR DAYS IN ADVANCE.
 - 2. RECORD SIGNIFICANT PROCEEDINGS AND DECISIONS AT EACH MEETING; REPRODUCE AND DISTRIBUTE COPIES TO PARTIES IN ATTENDANCE AND OTHERS AFFECTED BY PROCEEDINGS AND DECISIONS MADE DURING MEETINGS.
 - 3. ISSUE MINUTES WITHIN TWO CALENDAR DAYS OF MEETING.

1.02 PRE-CONSTRUCTION CONFERENCE:

- A. SCHEDULE AT TIME MUTUALLY AGREEABLE TO TENANT AND ARCHITECT.
- B. ATTENDANCE:
 - 1. ARCHITECT AND HIS PRINCIPAL CONSULTANTS.
 - 2. TENANT OR TENANT'S DESIGNATED REPRESENTATIVE.
 - 3. TENANT'S OTHER VENDORS.
 - 4. CONTRACTOR AND HIS SAFETY REPRESENTATIVE.
 - 5. SUBCONTRACTORS AND THEIR SAFETY REPRESENTATIVES.
 - 6. MAJOR SUPPLIERS AS REQUIRED.
- C. MINIMUM AGENDA:
 - 1. LIST OF SUBCONTRACTORS.
 - 2. CONSTRUCTION SCHEDULE.
 - 3. CRITICAL WORK SEQUENCING.
 - 4. RELATION AND COORDINATION OF VARIOUS PARTIES.
 - 5. DESIGNATION OF RESPONSIBLE PERSONNEL FOR EACH PARTY.
 - 6. PROCESSING OF:
 - a) CHANGE ORDERS.
 - b) OTHER MODIFICATIONS TO CONTRACT.
 - c) PROPOSAL REQUESTS.
 - d) SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
 - e) APPLICATIONS FOR PAYMENT.
 - f) OTHER COMMUNICATIONS.
 - 7. ADEQUACY OF DISTRIBUTION OF CONTRACT DOCUMENTS.
 - 8. USE OF PREMISES, INCLUDING:
 - a) OFFICE AND STORAGE AREAS.
 - b) TEMPORARY FACILITIES AND CONTROLS, AND SECURITY PROCEDURES.
 - c) OWNER'S REQUIREMENTS.
 - 9. PROCEDURES FOR MAINTAINING POST-CONSTRUCTION SUBMITTALS.
 - a) PROJECT RECORD DOCUMENTS.
 - b) OPERATION AND MAINTENANCE DATA.
 - c) WARRANTIES.
 - 10. SAFETY PROCEDURES.

1.03 PROGRESS MEETINGS:

- A. SCHEDULE WEEKLY PROGRESS MEETINGS.
- B. LOCATION: CONTRACTOR'S PROJECT FIELD OFFICE.
- C. ATTENDANCE:
 - 1. TENANT OR TENANT'S DESIGNATED REPRESENTATIVE.
 - 2. TENANT'S OTHER VENDORS.
 - 3. ARCHITECT AND HIS CONSULTANTS IN PERSON OR VIA TELECONFERENCE.
 - 4. CONTRACTOR.
 - 5. SUBCONTRACTORS AND SUPPLIERS AS APPROPRIATE TO AGENDA.
 - 6. OTHER AS REQUIRED.
- D. AGENDA:
 - 1. REVIEW WORK PROGRESS SINCE PREVIOUS MEETING, INCLUDING:
 - a) FIELD OBSERVATIONS, CONFLICTS AND PROBLEMS.
 - b) PROGRESS SCHEDULE AND COMPLETION DATE.
 - 2. DISCUSS AND TAKE CORRECTIVE MEASURES AS APPROPRIATE TO MAINTAIN QUALITY STANDARDS, PROGRESS SCHEDULE AND COMPLETION DATE.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

NOT USED.

END OF SECTION

SECTION 0130 - PROGRESS SCHEDULES

PART 1 - GENERAL

1.01 RELATED SECTIONS:

1 - SECTION 01200 - PROJECT MEETINGS

1.02 FORM OF SCHEDULES:

- A. PREPARE HORIZONTAL BAR CHART WITH SEPARATE BAR FOR EACH TRADE OPERATION IDENTIFYING FIRST WORK DAY OF EACH WEEK.
- B. SCHEDULE TO BE BASED ON CALENDAR DAYS.
- C. SEQUENCE: CHRONOLOGICAL ORDER OF BEGINNING OF EACH ITEM OF WORK.
- D. IDENTIFY EACH LINE OF WORK BY SPECIFICATION SECTION NUMBER.

1.03 CONTENT OF SCHEDULES:

- A. PROVIDE COMPLETE SEQUENCE OF CONSTRUCTION BY ACTIVITY WITH SUB-SCHEDULES OF RELATED ACTIVITIES AS APPROPRIATE.
- B. DATES FOR BEGINNING AND COMPLETION OF EACH ELEMENT OF CONSTRUCTION.
- C. IDENTIFY WORK OF SEPARATE PHASES, STAGES OR OTHER LOGICALLY GROUPED ACTIVITIES.
- D. SHOW PROJECTED PERCENTAGE OF COMPLETION FOR EACH ITEM OF WORK AS OF FIRST DAY OF EACH MONTH.
- E. INDICATE DECISION DATES FOR:
 - 1. PRODUCTS SPECIFIED BY ALLOWANCE
- F. PROJECTED DATES FOR SHOP DRAWINGS AND SUBMITTALS ISSUES TO ARCHITECT FOR REVIEW.

1.04 UPDATING:

- A. IDENTIFY CHANGES OCCURRING SINCE PREVIOUS SUBMISSION INCLUDING:
 - 1. MAJOR CHANGES IN SCOPE
 - 2. ACTIVITIES MODIFIED SINCE PREVIOUS UPDATING
 - 3. REVISED PROJECTIONS DUE TO CHANGES
 - 4. OTHER IDENTIFIABLE CHANGES
- B. INDICATE PROGRESS OF EACH ACTIVITY TO DATE OF SUBMITTAL AND PROJECTED COMPLETION DATE OF EACH ACTIVITY.
- C. WHEN APPROPRIATE, PROVIDE NARRATIVE REPORT, INCLUDING:
 - 1. DISCUSSION OF PROBLEM AREAS, INCLUDING CURRENT AND ANTICIPATED DELAY FACTORS, AND THEIR IMPACT.
 - 2. CORRECTIVE ACTION TAKEN, OR PROPOSED, AND ITS EFFECT.
 - 3. DESCRIPTION OF REVISIONS:
 - a) EFFECT ON SCHEDULE DUE TO CHANGE OF SCOPE.
 - b) REVISIONS IN DURATION OF ACTIVITIES
 - c) OTHER CHANGES THAT MAY AFFECT SCHEDULE.

1.05 SUBMITTAL

- A. SUBMIT INITIAL SCHEDULES WITH BID SUBMISSION
 - 1. ARCHITECT WILL REVIEW SCHEDULES AND RETURN REVIEWED COPY AFTER AWARD OF CONTRACT.
 - 2. IF REQUIRED, RESUBMIT WITHIN TWO DAYS AFTER RETURN OF REVIEWED COPY.
- B. SUBMIT UPDATED SCHEDULES ALONG WITH EACH APPLICATION FOR PAYMENT.
- C. SUBMIT NUMBER OF COPIES REQUIRED BY CONTRACTOR, PLUS TWO COPIES TO BE RETAINED BY ARCHITECT.

SECTION 0130 - PROGRESS SCHEDULES (CONTINUED)

1.06 DISTRIBUTION

- A. DISTRIBUTE COPIES OF REVIEWED SCHEDULES TO:
 - 1. JOB-SITE FILE
 - 2. SUB-CONTRACTORS
 - 3. OTHER CONCERNED PARTIES

PART 2 - PRODUCTS

NOT USED.

PART 3 - PRODUCTS

NOT USED.

END OF SECTION

SECTION 01340 - SHOP DRAWINGS, PRODUCT DATA & SAMPLES

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED:

- A. SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES AS REQUIRED IN EACH SPECIFICATION SECTION.
- B. WITHIN 15 DAYS AFTER AWARD OF CONTRACT, SUBMIT LIST OF ALL SHOP DRAWINGS, PRODUCT DATA AND SAMPLES REQUIRED FOR PROJECT.
 - 1. IDENTIFY EACH ITEM BY REFERENCE TO APPLICABLE SPECIFICATION SECTION NUMBER, LIST IN CHRONOLOGICAL ORDER.
 - 2. SHOW ANTICIPATED DATE OF SUBMITTAL OF EACH ITEM, PLUS DATES REVIEWED COPIES MUST BE RETURNED TO CONTRACTOR.
 - 3. DUE TO THE PARTNERING RELATIONSHIP OF THE GENERAL CONTRACTOR WITH THE TENANT, SUBMITTALS MAY BE OMITTED FOR ANY ITEM WHICH IS PROVIDED IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
 - 4. WHERE ANY SUBMITTALS ARE OMITTED, THE CONTRACTOR IS NOT RELIEVED OF ANY OBLIGATIONS OR OTHER REQUIREMENTS OF THESE DOCUMENTS.

1.02 PREPARATION:

- A. SHOP DRAWINGS:
 - 1. PRESENT IN CLEAR AND THOROUGH MANNER.
 - 2. IDENTIFY DETAILS BY REFERENCE TO SHEET AND DETAIL NUMBERS OR ROOM NUMBER SHOWN ON DRAWINGS.
 - 3. MAXIMUM SHEET SIZE: 30 INCHES X 42 INCHES WIDE.
 - 4. DO NOT USE CONTRACT DRAWINGS FOR SHOP DRAWINGS. PROVIDE ORIGINAL SHOP DRAWINGS WITH DISCREPANCIES FROM CONTRACT DRAWINGS CLEARLY INDICATED.
 - 5. REPRODUCTIONS OF CONTRACT DOCUMENTS CANNOT BE SUBMITTED AS SHOP DRAWINGS.
- B. PRODUCT DATA:
 - 1. PREPARATION:
 - a) CLEARLY MARK EACH COPY TO IDENTIFY PERTINENT PRODUCTS OF MODELS.
 - b) SHOW PERFORMANCE CHARACTERISTICS AND CAPACITIES.
 - c) SHOW DIMENSIONS AND CLEARANCES REQUIRED.
 - d) SHOW WIRING OR PIPING DIAGRAMS AND CONTROLS.
 - 2. MANUFACTURER'S STANDARD SCHEMATIC DRAWINGS AND DIAGRAMS:
 - a) MODIFY DRAWINGS AND DIAGRAMS TO DELETE INFORMATION NOT APPLICABLE TO WORK.
 - b) SUPPLEMENT STANDARD INFORMATION TO PROVIDE INFORMATION SPECIFICALLY APPLICABLE TO WORK.
 - 3. CERTIFICATES OF COMPLIANCE: SUBMIT WHEN REQUIRED BY CONTRACT DOCUMENTS. INCLUDE:
 - a) QUANTITY AND DATE OF SHIPMENT
 - b) TEST ATTESTING THAT MATERIALS INCORPORATED INTO WORK COMPLY WITH SPECIFIED REQUIREMENTS. CERTIFICATION SHALL NOT BE CONSTRUED AS RELIEVING CONTRACTOR FROM FURNISHING SATISFACTORY MATERIALS, IF MATERIAL IS FOUND NOT TO MEET SPECIFIED REQUIREMENTS.
 - c) SIGNATURE OF OFFICER OF COMPANY
 - d) LABORATORY TEST REPORTS SUBMITTED WITH CERTIFICATES OF COMPLIANCE SHALL SHOW DATE OR DATES OF TESTING, SPECIFIED REQUIREMENTS FOR WHICH TESTING WAS PERFORMED AND RESULTS OF TEST OR TESTS.
 - e) OFFICE SAMPLES:
 - 1) ERRECT AT SITE AT LOCATION ACCEPTABLE TO ARCHITECT; PERFORM WORK IN PRESENCE OF ARCHITECT.
 - 2) CONSTRUCT COMPLETE, INCLUDING WORK OF RELATED TRADES REQUIRED IN FINISHED WORK.
 - 3) REMOVE AND RECONSTRUCT, OR PERFORM ADDITIONAL WORK AS REQUIRED UNTIL ARCHITECT'S APPROVAL IS OBTAINED.
 - 4) APPROVED SAMPLE BECOMES BASIS OF JUDGING QUALITY OF FINISHED WORK; REMOVE ONLY AT CONCLUSION OF WORK OR WHEN ACCEPTABLE TO ARCHITECT.

1.03 CONTRACTOR RESPONSIBILITIES:

- A. REVIEW AND APPROVE SUBMITTALS PRIOR TO SUBMITTAL TO ARCHITECT.
- B. VERIFY: FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, CATALOG NUMBERS AND SIMILAR DATA.
- C. COORDINATE SUBMITTALS WITH REQUIREMENTS OF WORK AND CONTRACT DOCUMENTS.
- D. SUBMIT TO ARCHITECT IN ACCORDANCE WITH PROVISIONS CONTAINED HEREIN.
- E. CONTRACTOR'S RESPONSIBILITY FOR ERRORS OR OMISSIONS IS NOT RELIEVED BY ARCHITECT'S REVIEW.
- F. CONTRACTOR'S RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF CONTRACT DOCUMENTS IS NOT RELIEVED BY ARCHITECT'S REVIEW, UNLESS ARCHITECT IS NOTIFIED OF DEVIATIONS IN WRITING AT TIME OF SUBMITTAL AND GIVES WRITTEN ACCEPTANCE OF SPECIFIC DEVIATIONS.
- G. DO NOT BEGIN WORK WHICH REQUIRES SUBMITTALS UNTIL REVIEWED SUBMITTALS WHICH DO NOT REQUIRE RESUBMITTAL HAVE BEEN RECEIVED FROM ARCHITECT.
- H. REPRODUCE AND DISTRIBUTE COPIES AFTER ARCHITECT'S REVIEW.

1.04 SUBMITTAL:

- A. SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES SUFFICIENTLY IN ADVANCE OF TIME RETURNED COPIES ARE REQUIRED TO ALLOW REVIEW BY ARCHITECT AND RESUBMITTAL, IF REQUIRED.
- B. NUMBER OF COPIES REQUIRED:
 - 1. SHOP DRAWINGS: ONE REPRODUCIBLE TRANSPARENCY WITH ONE DIRECT DIAZO PRINT EACH.
 - 2. PRODUCT DATA: TWO COPIES FOR ARCHITECT'S USE PLUS ADDITIONAL COPIES AS CONTRACTOR NEEDS.
 - 3. SAMPLES: AS REQUIRED IN EACH SPECIFICATION SECTION.
- C. SUBMITTALS SHALL CONTAIN:
 - 1. DATE OF SUBMITTAL, INCLUDING DATE OF ANY PREVIOUS SUBMITTALS.
 - 2. PROJECT TITLE AND NUMBER.
 - 3. NAMES OF CONTRACTOR, SUPPLIER AND MANUFACTURER.
 - 4. IDENTIFICATION OF PRODUCT, WITH SPECIFICATION SECTION NUMBER WHERE APPLICABLE.
 - 5. FIELD DIMENSIONS, CLEARLY IDENTIFIED AS SUCH.
 - 6. RELATION TO ADJACENT OR CRITICAL FEATURES OF WORK OR MATERIALS.
 - 7. APPLICABLE REFERENCE STANDARDS.
 - 8. IDENTIFICATION OF DEVIATIONS FROM REQUIREMENTS OF CONTRACT DOCUMENTS.
 - 9. IDENTIFICATION OF REVISIONS ON RESUBMITTALS.
 - 10. SPACE FOR ARCHITECT, ENGINEER AND CONTRACTOR STAMPS.
 - 11. CONTRACTOR'S STAMP, SIGNED OR INITIALED, CERTIFYING TO REVIEW AND APPROVAL OF SUBMITTALS, VERIFICATION OF PRODUCTS, FIELD MEASUREMENTS AND CONSTRUCTION CRITERIA, AND COORDINATION OF INFORMATION WITHIN SUBMITTAL WITH REQUIREMENTS OF WORK AND CONTRACT DOCUMENTS.
 - 12. NUMBER EACH SUBMITTAL SEPARATELY AND CHRONOLOGICALLY, BASED ON THE APPROPRIATE SPECIFICATION SECTION.

CONTINUED ON NEXT SHEET

SECTION 01340 - SHOP DRAWINGS, PRODUCT DATA & SAMPLES (CONTINUED)

1.05 RESUBMITTAL:

- A. REVISE SUBMITTALS AS REQUIRED AND RESUBMIT AS SPECIFIED FOR INITIAL SUBMITTAL. INDICATE ALL CHANGES WHICH HAVE BEEN MADE INCLUDING THOSE ADDITIONAL TO REQUESTS BY THE ARCHITECT.

1.06 ARCHITECT'S RESPONSIBILITIES:

- A. REVIEW SUBMITTALS WITH REASONABLE PROMPTNESS. CONTRACTOR SHALL ALLOW FOR UP TO 10 WORKING DAY REVIEW OF ALL SUBMITTALS IN PREPARATION OF THE CONSTRUCTION SCHEDULE.
- B. REVIEW FOR CONFORMANCE WITH DESIGN CONCEPT OF PROJECT AND INFORMATION GIVEN IN CONTRACT DOCUMENTS.
- C. ARCHITECT IS NOT RESPONSIBLE FOR VERIFICATION OF FIELD MEASUREMENTS, CONSTRUCTION CRITERIA, CATALOG NUMBERS AND OTHER SIMILAR DATA.
- D. REVIEW OF SEPARATE ITEM DOES NOT CONSTITUTE REVIEW OF AN ASSEMBLY IN WHICH ITEM FUNCTIONS.
- E. AFFIX STAMP AND INITIALS INDICATING DATE AND ACTION TAKEN.
- F. RETURN SUBMITTALS TO CONTRACTOR FOR DISTRIBUTION.

1.07 DISTRIBUTION:

- A. REPRODUCE AND DISTRIBUTE REVIEWED COPIES TO CONTRACTOR'S FILE, JOB-SITE FILE, PROJECT RECORD DOCUMENT FILE, AND SUB-CONTRACTOR, SUPPLIER, MANUFACTURER, AND OTHER PARTIES AS REQUIRED.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

NOT USED.

END OF SECTION

SECTION 01500 - CONSTRUCTION FACILITIES & TEMPORARY CONTROLS

PART 1 - GENERAL

1.01 SUMMARY:

- A. BASIC REQUIREMENTS:
 - 1. PROVIDE UTILITY SERVICE CONNECTION TO EXISTING SERVICES.
 - 2. PAY COSTS FOR INSTALLATION, EXTENSION, MAINTENANCE, AND REMOVAL OF TEMPORARY SERVICE, FACILITIES AND CONTROLS, AND FOR RESTORATION OF PERMANENT FACILITIES USED.
 - 3. TENANT WILL PAY COSTS OF SERVICES USED.
 - 4. VERIFY THAT EXISTING SERVICE IS ADEQUATE FOR CONSTRUCTION NEEDS.

PART 2 - PRODUCTS

NOT USED.

2.01 MATERIALS:

- A. GENERAL: MATERIALS MAY BE NEW OR USED, SUITABLE FOR THE INTENDED PURPOSE, BUT MUST NOT VIOLATE REQUIREMENTS OF APPLICABLE CODES AND STANDARDS.
- B. UTILITIES: COMPLY WITH DIVISION 15 AND 16.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. CONSULT WITH ARCHITECT, TENANT, AND OWNER, REVIEW SITE CONDITIONS AND FACTORS WHICH AFFECT CONSTRUCTION PROCEDURES AND CONSTRUCTION AIDS, INCLUDING EXISTING AND ADJACENT PROPERTIES AND PUBLIC FACILITIES WHICH MAY BE AFFECTED BY EXECUTION OF THE WORK.

3.02 INSTALLATION:

- A. GENERAL:
 - 1. COMPLY WITH APPLICABLE REQUIREMENTS SPECIFIED IN SECTIONS OF DIVISIONS 2 THROUGH 16.
 - 2. INSTALL FACILITIES NEAT AND REASONABLY UNIFORM IN APPEARANCE, STRUCTURALLY ADEQUATE FOR REQUIRED PURPOSES.
 - 3. RELOCATE CONSTRUCTION AIDS AS REQUIRED BY PROGRESS OF CONSTRUCTION, BY STORAGE OR WORK REQUIREMENTS, AND TO ACCOMMODATE LEGITIMATE REQUIREMENTS OF TENANT, OWNER AND SEPARATE CONTRACTORS EMPLOYED AT SITE.
- B. UTILITIES:
 - 1. ELECTRICITY:
 - a) USE OWNER'S EXISTING SYSTEM FOR TEMPORARY ELECTRICITY.
 - b) MODIFY, SUPPLEMENT, AND EXTEND SERVICE AS NECESSARY TO COMPLY WITH SPECIFIED REQUIREMENTS. DO NOT REUSE MATERIALS USED FOR TEMPORARY SERVICE IN PERMANENT INSTALLATION.
 - c) REGULATE SYSTEM TO PREVENT INTERFERENCE WITH TENANT'S/OWNER'S NORMAL USAGE.
 - d) MAINTAIN PERMANENT SYSTEM AS SPECIFIED FOR TEMPORARY FACILITIES.
 - e) MAINTAIN CONTINUOUS POWER OPERATION OF TENANT'S/OWNER'S FACILITIES DURING CHANGEOVER OF ELECTRICAL SERVICES.
 - f) NOTIFY TENANT/OWNER WHEN UNUSUALLY HEAVY LOADS, SUCH AS FOR WELDING AND OTHER EQUIPMENT WITH SPECIAL POWER REQUIREMENTS, WILL BE CONNECTED.
 - g) PROVIDE AND PAY FOR REQUIRED SERVICE OF CAPACITY OR CHARACTERISTICS OTHER THAN THAT AVAILABLE.
 - 2. TELEPHONE SERVICE:
 - a) USE TENANT'S/OWNER'S EXISTING SYSTEM FOR TEMPORARY TELEPHONE SERVICE.
 - b) MAKE DETAILED ARRANGEMENTS WITH TENANT/OWNER INCLUDING WRITTEN AGREEMENT OF DETAILS AND RESPONSIBILITIES OF RESPECTIVE PARTIES.
 - c) EXTEND SERVICE TO PROVIDE FOR CONSTRUCTION NEEDS.
 - 3. WATER:
 - a) USE TENANT/OWNER'S EXISTING SYSTEM FOR TEMPORARY WATER.
 - b) MODIFY, SUPPLEMENT AND EXTEND SYSTEM AS NECESSARY TO MEET TEMPORARY WATER REQUIREMENTS.
 - c) REGULATE SYSTEM TO PREVENT INTERFERENCE WITH TENANT'S/OWNER'S USAGE.
 - d) MAINTAIN STRICT SUPERVISION OF USE OF TEMPORARY SYSTEM; PROTECT AGAINST FREEZING, REPAIR LEAKS.
- C. SERVICES:
 - 1. HEATING, COOLING AND VENTILATING:
 - a) PROVIDE HEATING AND COOLING VENTILATING REQUIRED TO MAINTAIN ADEQUATE CONDITIONS:
 - 1) TO CONTROL HUMIDITY, AND TO PREVENT CONDENSATION WHICH WOULD HAVE AN ADVERSE AFFECT ON PRODUCTS AND FINISHES OR WHICH WOULD AFFECT APPLICATION OF MATERIALS.
 - 2) TO CURE INSTALLED MATERIALS.
- D. CONTENT, FOR EACH ELECTRIC AND ELECTRONIC SYSTEM, AS APPROPRIATE:
 - 1. DESCRIPTION OF SYSTEM AND COMPONENT PARTS.
 - 2. CIRCUIT DIRECTORIES OF PANEL BOARDS.
 - 3. AS-INSTALLED WIRING DIAGRAMS.
 - 4. OPERATING AND MAINTENANCE PROCEDURES.
 - 5. LIST OF ORIGINAL MANUFACTURER'S SPARE PARTS.
 - 6. OTHER DATA AS REQUIRED UNDER PERTINENT SECTIONS OF SPECIFICATIONS.

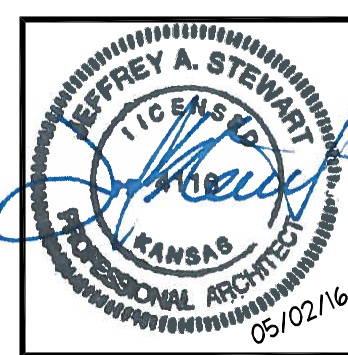
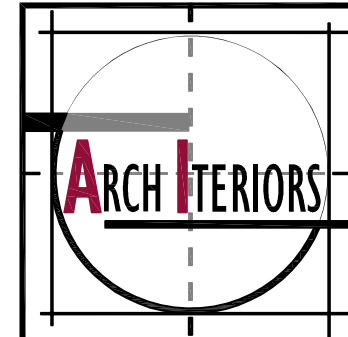
3.03 SUBMITTAL:

- A. SUBMIT PRELIMINARY DRAFT OF PROPOSED FORMATS AND OUTLINES OF CONTENTS AT LEAST 14 DAYS PRIOR TO FINAL INSPECTION.
- B. ARCHITECT WILL REVIEW DRAFT AND RETURN ONE COPY WITH COMMENTS.
- C. SUBMIT TWO COPIES OF APPROVED DATA IN FINAL FORM WITHIN TEN DAYS AFTER FINAL INSPECTION OR ACCEPTANCE.

3.04 INSTRUCTION OF TENANT'S AND OWNER'S PERSONNEL.

- A. PRIOR TO FINAL INSPECTION OR ACCEPTANCE, FULLY INSTRUCT OWNER'S DESIGNATED OPERATING AND MAINTENANCE PERSONNEL IN OPERATION, ADJUSTMENT AND MAINTENANCE OF PRODUCTS, EQUIPMENT AND SYSTEMS.
- B. OPERATION AND MAINTENANCE MANUAL SHALL CONSTITUTE BASIS OF INSTRUCTION.

END OF SECTION



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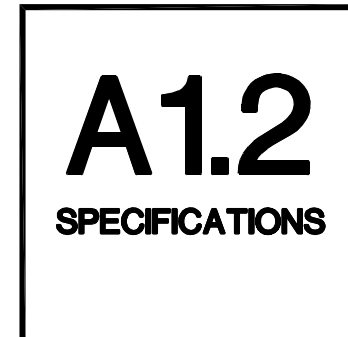
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REVISIONS:

PROJECT NO:
410.2215.00
DRAWN BY:
STAFF
DATE:
05.02.16
CHECKED BY:
AC
ISSUED FOR:
BID & PERMIT



SECTION 01740 - WARRANTIES

PART 1 - GENERAL

1.01 RELATED SECTIONS:

- A. GENERAL WARRANTY OF CONSTRUCTION: CONDITIONS OF THE CONTRACT.
B. INDIVIDUAL SPECIFICATION SECTIONS.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. WARRANTIES:
1. ASSEMBLE WARRANTIES EXECUTED BY RESPECTIVE MANUFACTURERS, SUPPLIERS, AND SUBCONTRACTORS.
2. FORMAT:
a) SIZE 8 1/2 INCHES BY 11 INCHES. PUNCH SHEETS FOR THREE-RING BINDER; FOLD LARGER SHEETS TO FIT INTO BINDERS.
b) LIST:
1) TITLE OF PROJECT.
2) NAME OF CONTRACTOR.
3. TABLE OF CONTENTS: NEATLY TYPED, USING TABLE OF CONTENTS OF PROJECT MANUAL AS FORMAT.
B. BINDERS: COMMERCIAL QUALITY, THREE-RING WITH DURABLE AND CLEANABLE PLASTIC COVERS.

PART 3 - EXECUTION

3.01 PREPARATION OF MAUALS:

- A. REVIEW EACH WARRANTY FOR COMPLIANCE WITH REQUIREMENTS OF CONTRACT DOCUMENTS.
B. PROVIDE COMPLETE INFORMATION FOR EACH ITEM:
1. NAME AND LOCATION OF PROJECT.
2. NAME AND ADDRESS OF CONTRACTOR.
3. PRODUCT OR WORK ITEM.
4. NAME OF MANUFACTURER OR FIRM ISSUING WARRANTY, WITH NAME OF PRINCIPAL, ADDRESS AND TELEPHONE NUMBER.
5. SCOPE OF WARRANTY.
6. DATE OF BEGINNING AND DURATION OF WARRANTY.
7. PROVIDE INFORMATION AND DURATION OF WARRANTY.
a) PROPER PROCEDURE IN CASE OF FAILURE.
b) INSTANCES WHICH MIGHT AFFECT VALIDITY OF WARRANTY.

3.02 TIME OF SUBMITTAL

- A. FOR EQUIPMENT OR COMPONENT PARTS OF EQUIPMENT PUT INTO SERVICE DURING PROGRESS OF CONSTRUCTION:
1. SUBMIT WARRANTY WITHIN TEN DAYS AFTER INSPECTION AND ACCEPTANCE.
2. STARTING DATE OF WARRANTY SHALL BE THE DATE OF INSPECTION AND ACCEPTANCE.
B. FOR EQUIPMENT OR COMPONENT PARTS OF EQUIPMENT ACCEPTED AS OF SUBSTANTIAL COMPLETION:
1. SUBMIT WARRANTY WITHIN TEN DAYS AFTER SUBSTANTIAL COMPLETION.
2. STARTING DATE OF WARRANTY SHALL BE THE DATE OF SUBSTANTIAL COMPLETION.
C. FOR ITEMS OF WORK WHERE ACCEPTANCE IS DELAYED MATERIALLY BEYOND SUBSTANTIAL COMPLETION:
1. SUBMIT WARRANTY WITHIN TEN DAYS AFTER ACCEPTANCE.
2. STARTING DATE OF WARRANTY SHALL BE THE DATE OF ACCEPTANCE OF ITEM.

END OF SECTION

SECTION 01900 - FINISH SCHEDULE

REFENCE DRAWING A3.3 FOR DETAIL.

END OF SECTION

SECTION 02060 - MINOR DEMOLITION FOR REMODELING

PART 1 - GENERAL

1.01 QUALITY ASSURANCE:

- A. IF MATERIALS, CONDITIONS OR PROCEDURES DIFFERING FROM THOSE DESIGNATED IN THE CONTRACT DOCUMENTS ARE ENCOUNTERED, NOTIFY ARCHITECT IMMEDIATELY. CEASE ADDITIONAL WORK IN SAME AREA OR OF SAME TYPE UNTIL DIRECTED BY ARCHITECT.

PART 2 - PRODUCTS

2.01 MATERIALS:

NOT USED

PART 3 -EXECUTION

3.01 PREPARATION:

- A. PRIOR TO BEGINNING DEMOLITION:
1. ERECT BARRICADES, PARTITIONS, AND OTHER TEMPORARY AIDS.
2. PROVIDE COVERINGS FOR EXISTING CONSTRUCTION DESIGNATED TO REMAIN TO PREVENT DAMAGE.
3. ENSURE THAT UTILITIES REQUIRING MODIFICATION ARE TEMPORARILY OR PERMANENTLY DISCONTINUED, AS APPLICABLE.
4. PROVIDE NECESSARY TEMPORARY SHORING, BRACING, SUPPORTS, ETC. AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING CONSTRUCTION.
5. MEET WITH OWNER AND TENANT TO DETERMINE AVAILABLE HOURS FOR CONSTRUCTION, CONSTRUCTION PERSONNEL ACCESS POINTS, DELIVERY LOCATIONS, TRASH REMOVAL, ETC. TO INSURE SECURITY AND CONTINUED OPERATION.

3.02 PERFORMANCE:

- A. DEMOLITION SEQUENCING:
1. REMOVE EXISTING CONSTRUCTION TO EXTENT INDICATED, AND AS NECESSARY TO JOIN NEW WORK TO EXISTING.
2. EXERCISE CAUTION NOT TO DAMAGE WORK DESIGNATED TO REMAIN.
3. DO NOT REMOVE MORE EXISTING CONSTRUCTION THAN IS NECESSARY TO ALLOW FOR NEW CONSTRUCTION.
4. CONDUCT WORK TO MINIMIZE NOISE AND SPREAD OF DIRT AND DUST.
B. DEMOUNTABLE PARTITIONS:
1. DISASSEMBLE PER MANUFACTURER'S SPECIFICATIONS.
2. SALVAGE, REUSE AND REINSTALL ALL ITEMS AS APPROPRIATE.
C. RESPONSIBILITY AND ASSIGNMENT:
1. MONITOR ASSIGNMENT OF WORK TO TRADES TO MINIMIZE DAMAGE TO EXISTING SURFACES.
2. ASSIGN WORK TO TRADES SKILLED IN PROCEDURES INVOLVED.
D. WHERE EXISTING SURFACES ARE CUT OR DAMAGED, PATCH AND FINISH TO MAKE PATCHING AS INCONSPICUOUS AS POSSIBLE.
1. FOR CONTINUOUS SURFACES: REFINISH TO NEAREST OFFSET, INTERSECTION OR OTHER 2. EXISTING POINT AT WHICH CAN BE NEATLY TERMINATED.
3. FOR ASSEMBLIES: REFINISH ENTIRELY.
E. WHERE NEW WORK ADJUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE TRANSITION AS SMOOTH AS POSSIBLE.
F. IF SMOOTH TRANSITION OF NEW WORK TO EXISTING FINISHED SURFACE IS NOT POSSIBLE, TERMINATE EXISTING SURFACE ALONG STRAIGHT LINE AT NATURAL LINE OF DIVISION: PROVIDE TRIM APPROPRIATE TO FINISHED SURFACE.
G. RENOVK FLOORS SO THAT ONE CONTINUOUS PLANE RESULTS. CHIP OUT, CUT OR GRIND EXISTING CONCRETE AS REQUIRED. USE LEVELING COMPOUND COMPATIBLE WITH SCHEDULED FINISH MATERIAL TO ACHIEVE FINAL LEVELING.
H. PROVIDE APPROPRIATE SUPPORT OR SUBSTRATE FOR PATCHING OF FINISHED SURFACES.
I. WHERE REMOVAL OF EXISTING CONSTRUCTION EXPOSES ITEMS WHICH WERE PREVIOUSLY CONCEALED, RENOVK SUCH ITEMS TO BE CONCEALED IN FINISHED CONSTRUCTION.

3.02 PERFORMANCE (CONTINUED):

- J. DO NOT CUT OR REMOVE EXISTING STRUCTURAL MEMBERS OR FINISHED SURFACES OTHER THAN TO THE EXTENT CONTAINED IN THE CONTRACT DOCUMENTS, WITHOUT WRITTEN PERMISSION.
K. OF ARCHITECT.
L. DISPOSAL OF DEBRIS:
1. REMOVE AND DISPOSE OF WASTE MATERIALS OFF SITE.
2. STORE ITEMS DESIGNATED TO REMAIN PROPERTY OF TENANT AND OWNER IN BUILDING WHERE DIRECTED.
3. WHERE NEW MATERIALS MUST BE MATCHED TO EXISTING, DO NOT REMOVE OR DISPOSE OF EXISTING MATERIAL UNTIL NEW MATERIALS HAVE BEEN APPROVED BY ARCHITECT.

END OF SECTION

SECTION 07920 - SEALANTS AND CAULKING

PART 1 - GENERAL

1.01 SUBMITTAL:

- A. SAMPLES:
1. CURED SEALANT SAMPLES SHOWING MANUFACTURER'S STANDARD COLOR RANGE FOR EACH TYPE SPECIFIED.
2. 6 INCH LONG JOINT BACK-UP MATERIAL SAMPLES FOR EACH TYPE REQUIRED.
B. PRODUCT DATA:
1. COMPLETE LIST OF SEALANTS, PRIMERS, BACK-UP, BOND-BREAKERS, ETC., PROPOSED FOR USE.
2. MANUFACTURER'S LITERATURE: PUBLISHED RECOMMENDATIONS BY MANUFACTURER TO SUPPORT SELECTION OF AND COMPATIBILITY OF VARIOUS RELATED MATERIALS WITH RESPECT TO TYPE OF JOINT FOR WHICH EACH MATERIAL IS INTENDED.
3. APPLICATION INSTRUCTIONS AND GENERAL RECOMMENDATIONS PUBLISHED BY MANUFACTURER FOR EACH MATERIAL.

1.02 DELIVERY, STORAGE AND HANDLING

- A. DO NOT USE MATERIALS WHICH HAVE EXCEEDED SHELF LIFE RECOMMENDED BY MANUFACTURER.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. GENERAL SEALANT: AS MANUFACTURED BY PECORA CORP. OR ACCEPTED SUBSTITUTE, COLORS AS SELECTED WHERE EXPOSED; COLOR OPTIONAL WHERE CONCEALED.
1. TYPE 1: TWO-PART POLYURETHANE, NON-SAG, CUSTOM COLOR, "SNATROL II."
2. TYPE 2: ONE PART ACRYLIC LATEX, NON-SAG, "AC-20"
B. ACOUSTICAL SEALANT: "TREMCO ACOUSTICAL SEALANT" AS MANUFACTURED BY TREMCO, OR ACCEPTED SUBSTITUTE.
C. FIRE RATE SEALANT: AS REQUIRED TO MAINTAIN RATING OF ASSEMBLY.

2.02 ACCESSORIES

- A. PRIMER: AS RECOMMENDED BY SEALANT MANUFACTURER.
B. BACK-UP:
1. PRE-FORMED JOINT FILLER, NON-ABSORBING, NON-STAINING, COMPATIBLE WITH SEALANT AND PRIMER, RESILIENT, SPECIFICALLY RECOMMENDED BY SEALANT MANUFACTURER FOR EACH SEALANT TYPE.
2. SIZE: EQUAL TO MINIMUM 1/25 TIMES JOINT WIDTH.
C. BONDBREAKER: PLYETHYLENE TAPE OR OTHER TYPE RECOMMENDED BY SEALANT MANUFACTURER.
D. SOLVENTS: AS RECOMMENDED BY SEALANT MANUFACTURER.

2.03 MIXES

- A. FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS. DO NOT BEGIN MIXING UNTIL SURFACES TO RECEIVE SEALANT HAVE BEEN PROPERLY CLEANED AND PREPARED FOR APPLICATION.
B. MIX TWO COMPONENT SEALANTS BY MECHANICAL MIXER, ACCORDING TO QUANTITY REQUIRED, AND IN PROPORTIONS GIVEN BY MANUFACTURER. MIX COMPONENTS AS SLOWLY AS POSSIBLE TO PREVENT AIR FROM BECOMING ENTRAINED OR OVERHEATING OCCURRING DURING MIXING.
C. CONTINUE MIXING UNTIL COLOR IS COMPLETELY UNIFORM, WITHOUT STREAKS; MINIMUM 5 MINUTES WHEN CURING AGENT IS OF SIMILAR COLOR TO BASE MATERIAL.

PART 3 EXECUTION

3.01 PREPARATION

- A. CLEAN JOINTS THOROUGHLY, REMOVING LOOSE AND FOREIGN MATTER, DUST, OIL GREASE, WATER, SURFACE DIRT AND PREVIOUSLY APPLIED PAINT OR PRIMER.
1. POROUS SURFACES:
a) REMOVE LAITANCE BY ACID WASHING, GRINDING OR MECHANICAL ABRADING.
b) REMOVE FORM OILS BY SANDBLASTING
c) REMOVE GREASE AND OIL BY SOLVENT WIPING, FOLLOWED BY THOROUGH WIPING WITH CLEAN RAGS.
2. ALUMINUM SURFACES:
a) REMOVE FOREIGN MATTER, GREASE, OIL AND DUST BY SOLVENT WIPING, FOLLOWED BY THOROUGH WIPING WITH CLEAN RAGS.
b) DO NOT USE SOLVENTS WHICH COULD STAIN OR DISCOLOR FINISH.
3. OTHER METAL SURFACES:
a) REMOVE PROTECTIVE COATINGS USING SOLVENT, FOLLOWED BY WIPING WITH CLEAN RAGS.
b) IF SURFACE HAS BEEN TREATED OR COATED WITH SPECIAL COATING, CONTACT SEALANT MANUFACTURER FOR RECOMMENDATION.
B. IF SURFACE HAS BEEN SUBJECT TO CHEMICAL CONTAMINATION, CONTACT SEALANT MANUFACTURER FOR RECOMMENDATION.
C. JOINT DESIGN:
1. MINIMUM JOINT DIMENSIONS: ? INCH BY ? INCH
2. JOINTS ? INCH TO ? INCH WIDE: DEPTH EQUAL TO WIDTH
3. JOINTS OVER ? INCH WIDE: DEPTH EQUAL TO ? WIDTH.

3.02 APPLICATIONS:

- A. FOLLOW MANUFACTURER'S INSTRUCTIONS REGARDING SURFACE PREPARATION, PRIMING, APPLICATION LIFE, AND APPLICATION PROCEDURE. CONSULT SEALANT MANUFACTURER FOR RECOMMENDATION FOR APPLICATION OF SEALANT WHEN AIR TEMPERATURE IS BELOW 40 DEGREES F.
B. INSTALL BACK-UP MATERIAL OR JOINT FILLER AT PROPER DEPTH IN JOINT TO PROVIDE SPECIFIED SEALANT DIMENSIONS. COMPRESS BACK-UP MATERIAL APPROXIMATELY 25 PERCENT USING BLUNT INSTRUMENT TO AVOID PUNCTURING SURFACE SKIN. DO NOT Braid OR TWIST ROD OR NOSE STOCK; AVOID LENGTHWISE STRETCHING.
C. PRIME SURFACES WHERE REQUIRED BY SEALANT MANUFACTURER. USE BON BREAKER TAPE WHERE JOINT DEPTH WILL NOT ALLOW USE OF BACK-UP MATERIAL AND OVER NON-RELEASE TYPE BACKUP MATERIAL.
D. APPLY MASKING TAPE, WHERE REQUIRED, IN CONTINUOUS ALIGNMENT WITH JOINT EDGE. REMOVE TAPE IMMEDIATELY AFTER JOINTS HAVE BEEN SEALED AND TOOLED.
E. APPLY SEALANT UNDER PRESSURE WITH POWER ACTUATED GUN HAVING NOZZLE OF PROPER SIZE, OR OTHER APPROPRIATE MEANS. PROVIDE SUFFICIENT PRESSURE TO COMPLETELY FILL JOINTS.
F. POINT OR TOOL SEALANT TO PROVIDE PROPER CONTOUR. USE CLEAN WATER-WET TOOL OR TOOLING SOLUTION RECOMMENDED BY SEALANT MANUFACTURER WHEN TOOLING WHITE OR LIGHT COLORED SEALANT.

END OF SECTION

SECTION 08211 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.01 SUMMARY

- A. RELATED SECTIONS:
1. SECTION 08710 - FINISH HARDWARE.

1.02 REFERENCES

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) TEST METHODS:
1. E90: METHOD FOR LABORATORY MEASUREMENT OF AIRBORNE-SOUND TRANSMISSION LOSS OF BUILDING PARTITIONS.
2. E152: FIRE TESTS OF DOOR ASSEMBLIES
B. ARCHITECTURAL WOODWORK INSTITUTE (AWI) QUALITY STANDARDS ILLUSTRATED.

1.03 DELIVERY, STORAGE AND HANDLING

- A. PACKAGE DOORS IN HEAVY CARTONS WITH IDENTIFYING MARKS PRIOR TO SHIPMENT; DO NOT REMOVE FROM CARTONS UNTIL READY TO INSTALL.
B. STORE DOORS UPRIGHT WITH AT LEAST 2 INCH BETWEEN DOORS, IN PROTECTED, DRY AREAS.

1.04 WARRANTY

- A. FURNISH MANUFACTURER'S WRITTEN TWO YEAR WARRANTY COVERING DEFECTS IN MATERIALS AND WORKMANSHIP FOR INTERIORS DOORS.

PART 2 - PRODUCTS

2.01 MANUFACTURED UNITS:

- A. FLUSH WOOD DOORS:
1. TYPE: MATCH EXISTING.
2. GRADE: MATCH EXISTING.
3. FACE: MATCH EXISTING.

PART 3 - EXECUTION

3.01 PREPARATION

- A. PRIOR TO INSTALLATION, CONDITION DOORS TO AVERAGE HUMIDITY WHICH WILL BE ENCOUNTERED AFTER INSTALLATION.

3.02 INSTALLATION

- A. FITTING: IF FIELD CUTTING FOR HEIGHT IS NECESSARY, CUT BOTTOM EDGE ON 1/8" MAXIMUM.
B. BEFORE INSTALLATION, APPLY SEALER TO JOB CUT SURFACES.
C. INSTALL FINISH HARDWARE.
D. ASSURE THAT DOOR WILL OPERATE FREELY.

END OF SECTION

SECTION 08710 - FINISH HARDWARE

PART 1 - GENERAL

1.01 REFERENCES:

- A. BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA):
1. RECOMMENDED LOCATIONS FOR BUILDERS HARDWARE:
2. PRODUCT STANDARDS.
B. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
1. 80: STANDARD FOR FIRE DOORS AND WINDOWS.
2. 101: CODE FOR SAFETY TO LIFE FROM FIRE IN BUILDINGS AND STRUCTURES.

1.02 SUBMITTALS:

- A. SCHEDULE:
1. INCLUDE INFORMATION NECESSARY TO DETERMINE PROPER SELECTION AND FUNCTION OF HARDWARE AS TO DOOR HAND, BEVEL THICKNESS, SWING, ETC.
2. PROVIDE CATALOG SHEETS FOR EACH ITEM.
3. PREPARE SCHEDULE LISTING DOORS ACCORDING TO DRAWING DOOR AND ROOM NUMBERS.
B. SAMPLES: ONE SAMPLE OF EACH HARDWARE ITEM, IF REQUESTED.
C. PERMANENT KEYS: FORWARD DIRECTLY TO OWNER; TAG AND IDENTIFY WITH MARK CORRESPONDING TO KEYING SCHEDULE.

1.03 QUALITY ASSURANCE:

- A. PROVIDE PROPER HARDWARE, APPROVED AND LABELED BY RECOGNIZED INDEPENDENT TESTING LABORATORY AND MEETING REQUIREMENTS OF NFPA 80 AND 101, FOR FIRE RATED DOORS.
B. PROVIDE MISCELLANEOUS HARDWARE REQUIRED FOR PROPER OPERATION AND ATTACHMENT OF SCHEDULED HARDWARE.
C. IF ADDITIONAL HARDWARE IS REQUIRED, OR IF HARDWARE REQUIRES A CHANGE FROM THAT SPECIFIED DUE TO ACTUAL CONDITIONS, CONFORM TO GENERAL TYPE, QUALITY AND FUNCTION AS SET FORTH HEREIN.

1.04 DELIVERY, STORAGE AND HANDLING:

- A. PACK EACH ITEM OF HARDWARE SEPARATELY, COMPLETE WITH NECESSARY SCREWS, INSTRUCTIONS AND INSTALLATION TYPE.
B. MARK EACH CONTAINER WITH ITEM NUMBER CORRESPONDING TO NUMBER ON HARDWARE SCHEDULE.

1.05 MAINTENANCE:

- A. EXTRA STOCK: DELIVER TO OWNER UPON SUBSTANTIAL COMPLETION:
1. COPY OF APPROVED HARDWARE SCHEDULE.
2. KEYING LIST.
3. SIX MASTER KEYS AND TWO KEYS FOR EACH LOCK.

PART 2 - PRODUCTS

- 2.01 MANUFACTURERS: (NOTE: ALL ITEMS SHALL MATCH EXISTING EXCEPT AS NOTED HEREIN OR ON THE DRAWINGS AND SHALL MEET THE REQUIREMENTS BELOW IF NO EXISTING CONDITION APPLIES.)

- A. BUTT HINGES:
1. HAGER HINGE CO.
2. MCKINNEY MANUFACTURING CO.
3. STANLEY HARDWARE DIVISION, STANLEY WORKS.
B. LOCKSETS, LATCHSETS AND CYLINDERS:
1. CORBIN DIVISION, EPHART HARDWARE GROUP.
2. RUSSWIN DIVISION, EPHART HARDWARE GROUP.
3. SARGENT MANUFACTURING CO.
4. YALE (SPECIFIED).
C. OVERHEAD EXPOSED CLOSERS:
1. LCN CLOSERS DIVISION (SPECIFIED).
2. CORBIN DIVISION, EPHART HARDWARE GROUP.
3. NORTON DOOR CONTROLS, SCOVILL SECURITY PRODUCTS.
4. RUSSWIN DIVISION, EPHART HARDWARE GROUP.
5. SARGENT MANUFACTURING CO.
D. DOOR SEALS:
1. NATIONAL GUARD PRODUCTS, INC. (SPECIFIED).
2. PEMKO MANUFACTURING CO.
3. REESE ENTERPRISES, INC. (SPECIFIED WHERE NOTED).
4. ZERO INTERNATIONAL, INC.
E. MISCELLANEOUS ITEMS: AS SCHEDULED.
F. SUBSTITUTIONS: UNDER PROVISIONS OF SECTION 01630.

SECTION 08710 - FINISH HARDWARE (CONTINUED)

2.02 MANUFACTURED UNITS:

- A. BUTT HINGES:
1. TYPE: FULL MORTISE, FIVE KNUCKLE, NON-RISING PIN WITH HOLE IN BOTTOM TIP FOR EASY REMOVAL.
2. AT PERIMETER DOORS TO LEASE SPACE, PROVIDE HINGES WITH SET SCREW IN BARREL MAKING HINGE NON-REMOVABLE WHEN DOOR IS IN CLOSED POSITION.
3. NUMBER OF HINGES PER DOOR BASED ON DOOR HEIGHT:
a) LESS THAN 60 INCHES HIGH: TWO HINGES.
b) PROVIDE ONE ADDITIONAL HINGE FOR EACH 30 INCHES OF ADDITIONAL HEIGHT OR FRACTION THEREOF.
4. HINGE WEIGHT:
a) HEAVY WEIGHT AT EXTERIOR DOORS, INTERIOR DOORS MORE THAN 41 INCHES WIDE, AND LABELED DOORS MORE THAN 36 INCHES WIDE OR 90 INCHES HIGH.
b) STANDARD HEIGHT AT INTERIOR DOORS LESS THAN 41 INCHES WIDE.
5. HINGE BEARING TYPE:
a) BALL BEARING AT LABELED DOORS, DOORS WITH CLOSERS, AND DOORS MORE THAN 41 INCHES WIDE.
b) PLAIN BEARING AT NON-LABELED DOORS WITHOUT CLOSERS AND LESS THAN 41 INCHES WIDE.
6. HINGE SIZE:
a) DOORS UP TO 41 INCHES WIDE AND 90 INCHES HIGH: 4? INCHES BY 4? INCHES.

2.02 MANUFACTURED UNITS:

- B. LOCKSETS, LATCHSETS AND CYLINDERS:
1. TYPE: YALE.
2. DESIGN: S400LN SERIES, Y SERIES KEYWAY, AU LEVER, 626 SATIN CHROME PLATED.
3. CYLINDERS: YALE OR BLDG. STANDARD.
4. FUNCTIONS: AS SCHEDULED.
5. ON SINGLE SWING DOORS, PROVIDE LATCH STRIKE PLATES WITH MINIMUM LIP PROJECTION NECESSARY TO PROJECT FROM TRIM.
6. ON PAIR OF DOORS, LIP PROJECTION OF LATCH STRIKE PLATE SHALL NOT EXTEND BEYOND FACE OF LOCK STYLE OF INACTIVE LEAF.
7. PROVIDE WROUGHT BOXES FOR ALL STRIKES.
C. ELECTRIC STRIKES:
1. AS MANUFACTURED BY ARCHITECTURAL SECURITY PRODUCTS (FOLGER ADAM COMPANY) OR ACCEPTED SUBSTITUTE.
2. OPERATION:
a) FAIL SAFE: IN LOCKED POSITION, STRIKE IS ENERGIZED. RELEASE OCCURS BY SWITCHING DEVICE OR POWER FAILURE.
b) MODEL 712.
D. OVERHEAD EXPOSED CLOSERS:
1. TYPE: LCN 1070 SERIES WITH COVER.
2. ALL EXPOSED CLOSERS SHALL BE BY ONE MANUFACTURER AND MATCH IN DESIGN.
3. CONSTRUCTION: POROUS-FREE CAST IRON OR ALUMINUM BODY, RACK AND PINION OPERATION WITH COMPRESSION SPRING, FULLY HYDRAULIC.
4. CLOSING AND LATCHING SPEEDS AND BACKCHECK: CONTROLLED BY INDEPENDENTLY ADJUSTABLE CONCEALED VALVES.
5. PROVIDE AN INCREASE OF SLOWING POWER NEAR CLOSED POSITION OF DOOR BY MEANS OF ADJUSTMENT OF ARM LEVERAGE AT FOOT PIVOT.
6. MOUNTING: SURFACE MOUNTED, NON-HANDED WITH UNIVERSAL REGULAR OR PARALLEL ARM, SUITABLE FOR MOUNTING ON 1" INGH MINIMUM DOOR TOP RAIL OR TRANSOM BAR WITHOUT DROP PLATE.
7. FINISH: PAINTED.
E. DOOR STOPS AND HOLDERS:
1. WALL STOPS: H.B. IVES NUMBER 407? OR ACCEPTED SUBSTITUTE.
2. FLOOR STOPS: H.B. IVES OR ACCEPTED SUBSTITUTE.
a) DOORS WITHOUT THRESHOLDS: NUMBER 438.
b) DOORS WITH THRESHOLDS: NUMBER 444.
3. OVERHEAD HOLDERS: SARGENT AND CO. OR ACCEPTED SUBSTITUTE.
a) EXTERIOR DOORS: '690 SERIES'
b) INTERIOR DOORS: '1530 SERIES'
4. PROVIDE STOP OR HOLDER AT EVERY DOOR LEAF.
5. PROVIDE WALL STOPS FOR DOORS WITH KNOBS OR LEVERS WHERE POSSIBLE.
6. PROVIDE FLOOR STOPS WHERE WALL STOPS CANNOT BE USED - LOCATION MUST BE ACCEPTED BY ARCHITECT.
7. WHERE WALL STOPS CANNOT BE USED AND WHERE FLOOR STOPS CANNOT BE INSTALLED AT LEAST TWO-THIRDS OF DOOR WIDTH FROM HINGE WITHOUT CREATING A TRIPPING HAZARD, PROVIDE OVERHEAD HOLDERS.
F. FLUSH BOLTS:
1. AS MANUFACTURED BY H.B. IVES OR ACCEPTED SUBSTITUTE.
2. MANUAL TYPE458 SERIES
3. DUSTPROOF STRIKE: NUMBER 469; PROVIDE AT FLOOR FOR EACH BOTTOM FLUSH BOLT.
G. SILENCERS: H.B. IVES NUMBER 20 OR ACCEPTED SUBSTITUTE; PROVIDE THREE AT SINGLE DOORS, TWO AT PAIRS OF DOORS.
H. DOOR SEALS:
1. HEAD AND JAMBS: NUMBER PF181.
2. SILL: NUMBER 102 (DKB).
I. KEYING:
1. MASTER KEY ALL LOCKS IN ONE SET - CO-ORDINATE WITH BASE BUILDING KEYING.
2. ADDITIONAL KEYING: KEY ALIKE, CROSS KEY OR OTHERWISE KEY AS DIRECTED BY TENANT.
J. COAT HOOKS:
1. AS MANUFACTURED BY STANLEY HARDWARE.
2. MODEL #5066-927, FINISH: SATIN NICKEL.
3. MOUNT AT 48" AFF.
4. PROVIDE ONE AT EACH OFFICE DOOR.
K. CENTER HUNG PIVOT HINGE SET:
1. AS MANUFACTURED BY RIXSON-FIREMARK.
2. MODEL #370.
L. CENTER HUNG TOP PIVOT:
1. AS MANUFACTURED BY RIXSON-FIREMARK.
2. MODEL #340.
M. OVERHEAD CONCEALED CLOSER:
1. AS MANUFACTURED BY RIXSON-FIREMARK.
2. MODEL #3-321.
3. MOUNT: CENTER HUNG PIVOTS.
N. CYPHER LOCK:
1. AS MANUFACTURED BY ILCO-UNICAN
2. MODEL NO: L1000 SERIES.
3. FINISH: SATIN CHROME 26D.
O. POCKET DOOR:
1. AS MANUFACTURED BY KNAPE & VOGT
2. MODEL NO: PKF-150A-3
3. FINISH: ALUMINUM.
4. PASSAGE PULL: PB-1038-U515.

PART 3 - EXECUTION

3.01 INSTALLATION:

- A. INSTALL HARDWARE IN ACCORDANCE WITH APPROVED SCHEDULE AND MANUFACTURER'S WRITTEN INSTRUCTIONS.
B. INSTALL MORTISE ITEMS FLUSH WITH ADJACENT SURFACES.
C. INSTALL LOCKSETS, CLOSERS, AND TRIM AFTER FINISH PAINTING.
D. MOUNT CLOSERS SO THAT CLOSERS AND CLOSER ARMS ARE NOT VISIBLE ON CORRIDOR OR "SIGHT" SIDE OF DOORS OR ON EXTERIOR OF BUILDING.
E. USE THROUGH BOLTS FOR ATTACHING CLOSERS TO WOOD DOORS.
F. LOCATE ITEMS IN ACCORDANCE WITH BHMA RECOMMENDATIONS, UNLESS OTHERWISE INDICATED.
G. RE-KEY ALL DOORS INCLUDING EXISTING.
H. BLANK OFF CYLINDERS IN EXISTING LOCKSETS TO BE REVISED TO LATCH SETS.

3.02 PROTECTION:

- A. REMOVE OR PROTECT HARDWARE UNTIL PAINTING IS COMPLETED.

3.03 ADJUSTING:

- A. TEST AND ADJUST HARDWARE FOR QUIET, SMOOTH OPERATION, FREE OF STICKING, BINDING OR RATTLING.

3.04 SCHEDULE:

REFER TO DRAWINGS.

END OF SECTION



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A1.3 SPECIFICATIONS

SECTION 08600 - GLAZING

PART 1 - GENERAL

1.01 REFERENCES:

- A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) Z97.1: SAFETY PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIAL USED IN BUILDINGS.
B. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
1. STANDARD SPECIFICATIONS:
a) C642: LOCK-STRIP GASKETS.
b) C864: DENSE ELASTOMERIC COMPRESSION SEALS GASKETS, SETTING BLOCKS AND SPACERS.
c) C1036: FLAT GLASS.
d) C1048: HEAT-TREATED FLAT GLASS-KIND HS, KIND FT, COATED AND UNCOATED GLASS.
e) E774: SEALED INSULATING GLASS UNITS.
2. STANDARD PRACTICE C716: INSTALLING LOCK-STRIP GASKETS AND INFILL GLAZING MATERIALS.
2. STANDARD TEST METHOD C794: ADHESION- IN-PEEL OF ELASTOMERIC JOINT SEALANTS.
C. CONSUMER PRODUCT SAFETY COMMISSION (CPSC) 16 CFR 1201: SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS.
D. FLAT GLASS MARKETING ASSOCIATION (FGMA): GLAZING MANUAL.

1.02 SYSTEM DESCRIPTION:

- A. PERFORMANCE REQUIREMENTS:
1. PROVIDE ANNEALED GLASS EXCEPT WHERE TEMPERED OR HEAT-STRENGTHENED GLASS IS REQUIRED BY REGULATORY AGENCIES, BUILDING CODE, GLASS MANUFACTURER'S DESIGN CALCULATIONS, OR WHERE SPECIFICALLY INDICATED.
2. LIMIT MAXIMUM DESIGN STRESS ON CONTACT SILICONE SEALANT TO 20 PSI.

1.03 SUBMITTALS:

- A. PRODUCT DATA: DESCRIPTIVE DATA FOR ACCESSORY ITEMS.

1.04 QUALITY ASSURANCE:

- A. SOURCE QUALITY CONTROL:
1. GLASS IDENTIFICATION:
a) APPLY MANUFACTURER'S LABEL INDICATING TYPE AND THICKNESS TO EACH LIGHT OF GLASS.
b) EACH MANUFACTURER'S LABEL ON EACH LIGHT OF TEMPERED GLASS.

1.05 PROJECT CONDITIONS:

- A. PERFORM GLAZING WHEN AMBIENT TEMPERATURE IS ABOVE 40°F.
B. PERFORM GLAZING ON DRY SURFACES.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. GLASS: MANUFACTURED BY FLOAT PROCESS, MEETING FOLLOWING CRITERIA:
1. ANNEALED GLASS: ASTM C1036, TYPE I, CLASS AS APPLICABLE, QUALITY Q3.
2. TEMPERED GLASS AND LAMINATED GLASS:
a) ASTM C1048, KIND FT, TYPE I, CLASS AS APPLICABLE, QUALITY Q3.
b) CPSC 16 CFR 1201.
c) ANSI Z97.1.
3. HEAT-STRENGTHENED GLASS: ASTM C1048, KIND HT, TYPE I, CLASS AS APPLICABLE, QUALITY Q3.
4. WIRED GLASS: ASTM C1036, TYPE II, CLASS I, FORM I, QUALITY Q8, MESH M1, MINIMUM 20 MINUTE FIRE RATING.

2.02 ACCESSORIES:

- A. SPACERS, SETTING BLOCKS AND GLAZING GASKETS: MEET ASTM C864; PROVIDE SILICONE TYPE WHERE IN CONTACT WITH SILICONE GLAZING SEALANT; NEOPRENE TYPE ELSEWHERE.
1. SPACERS: SHORE A 50 PLUS OR MINUS DUROMETER.
2. SETTING BLOCKS: SHORE A 80 PLUS OR MINUS 5 DUROMETER.
3. GLAZING GASKETS:
a) EXTRUDED SILICONE TYPE: CONTINUOUS, SHORE A 80 PLUS OR MINUS 5 DUROMETER.
b) DRY RUBBER TYPE: NON-CELLULAR EPDM OR NEOPRENE, SHORE A 70 PLUS OR MINUS 5 DUROMETER.
c) LOCK-STRIP TYPE: AS MANUFACTURED BY F.H. MAHONEY CO. OR ACCEPTED SUBSTITUTE, WITH INJECTION MOLDED CORNERS AND WEEP HOLES, SHORE A 75 PLUS OR MINUS 5 DUROMETER. LOCK STRIPS SHALL BE MINIMUM 10 SHORE A POINTS HARDER THAN GASKET.
B. GLAZING SEALANT:
1. FOR SILICONE BUTT JOINTS: GENERAL ELECTRIC CO. "SILGLAZE N 2501", TRANSLUCENT, OR ACCEPTED SUBSTITUTE.
2. FOR CHANNEL GLAZING: GENERAL ELECTRIC CO. "SILPRUF" OR ACCEPTED SUBSTITUTE.
3. BACKER ROD: DOM CORNING CO. "ETHAFOAM" OR ACCEPTED SUBSTITUTE.
4. PRIMER: AS RECOMMENDED BY GLAZING SEALANT MANUFACTURER.
C. GLAZING TAPE: PRE-FORMED BUTYL RUBBER COMPOUND WITH INTEGRAL RESILIENT TUBE SPACING DEVICE, SHORE A 10 TO 15 DUROMETER HARDNESS, COILED ON RELEASE PAPER, BLACK COLOR.
D. CLEANERS: AS RECOMMENDED BY SEALANT OR GASKET MANUFACTURER.

2.03 FABRICATION:

- A. HEAT STRENGTHENED AND TEMPERED GLASS:
1. MEET ASTM C1048 FOR TYPE LISTED.
2. PROCESS IN HORIZONTAL POSITION SO THAT INHERENT ROLLER DISTORTION WILL RUN PARALLEL TO BUILDING FLOOR LINES AFTER INSTALLATION.
B. FABRICATION TOLERANCES: AS SPECIFIED IN ASTM C1036 AND C1048.

PART 3 - EXECUTION

3.01 PREPARATION

- A. THOROUGHLY CLEAN JOINTS TO REMOVE FOREIGN MATTER. PREVIOUSLY APPLIED PAINT OR PRIMER MUST ADHERE PERMANENTLY OR BE ENTIRELY REMOVED.
B. CLEAN NON-POROUS SURFACES EITHER MECHANICALLY OR CHEMICALLY. REMOVE LOOSE PARTICLES BY BLOWING OUT JOINTS WITH COMPRESSED AIR OR BY VACUUMING JOINTS.
C. CLEAN GLASS OF DUST, OIL, ETC., AND WIPE CLEAN JUST PRIOR TO INSTALLATION.
D. PRIME SURFACES OF OPENING WHERE RECOMMENDED BY GLAZING SEALANT MANUFACTURER.

3.02 INSTALLATION:

- A. GENERAL:
1. INSTALL GLASS IN ACCORDANCE WITH FGMA GLAZING MANUAL AND GLASS AND FRAMING SYSTEM MANUFACTURER'S RECOMMENDATIONS.
2. SUPPORT AND BLOCK GLASS WITH PROPER EDGE AND FACE CLEARANCE SO THAT GLASS DOES NOT CONTACT FRAME AT ANY POINT.

3.03 CLEANING:

- A. CLEAN GLASS AS RECOMMENDED BY GLASS MANUFACTURER.

3.04 PROTECTION:

- A. PROVIDE PROPER PROTECTION FOR COMPLETED WORK. MARK GLASS WITH TAPE OR BANNERS ONLY; DO NOT APPLY PAINT OR OTHER SIMILAR MATERIALS.

3.05 SCHEDULE OF GLASS TYPES:

- A. TYPE GL-1: MONOLITHIC CLEAR TEMPERED 1/4 INCH THICK.

END OF SECTION

SECTION 09260 - GYPSUM BOARD SYSTEMS

PART 1 - GENERAL

1.01 SUMMARY:

- A. RELATED SECTIONS:
1. SECTION 0721 - BATT AND BLANKET INSULATION.
2. SECTION 07920 - SEALANTS AND CAULKING.

1.02 REFERENCES:

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) STANDARD SPECIFICATIONS:
1. A525: STEEL SHEET, ZINC-COATED (GALVANIZED) BY THE HOT-DIP PROCESS, GENERAL REQUIREMENTS.
2. A591: STEEL SHEET, COLD ROLLED, ELECTROLYTIC ZINC-COATED.
3. C36: GYPSUM WALLBOARD.
4. C79: GYPSUM SHEATHING BOARD.
5. C442: GYPSUM BACKING BOARD.
6. C630: WATER RESISTANT GYPSUM BACKING BOARD.
7. C645: NON-LOAD (AXIAL) BEARING STEEL STUDS, RUNNERS (TRACK), AND RIGID FURRING CHANNELS FOR SCREW APPLICATION OF GYPSUM BOARD.
8. C646: STEEL DRILL SCREWS FOR THE APPLICATION OF GYPSUM BOARD TO LIGHT-GAUGE STEEL STUDS.
9. C665: MINERAL FIBER BLANKET THERMAL INSULATION FOR WOOD FRAME AND LIGHT CONSTRUCTION BUILDINGS.
10. C754: INSTALLATION OF STEEL FRAMING MEMBERS TO RECEIVE SCREW-ATTACHED GYPSUM WALL BOARD, BACKING BOARD OR WATER- RESISTANT BACKING BOARD.
II. C931: EXTERIOR GYPSUM SOFFIT BOARD.
B. GYPSUM ASSOCIATION (GA):
1. FIRE RESISTANCE DESIGN MANUAL.
2. 216: RECOMMENDED SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM BOARD.
C. UNDERWRITERS LABORATORIES, INC. (UL): FIRE RESISTANCE DIRECTORY.

1.03 QUALITY ASSURANCE:

- A. REQUIREMENTS OF REGULATORY AGENCIES:
1. CONSTRUCT ASSEMBLIES TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED ON DRAWINGS; RATINGS ARE LISTED BY REFERENCE TO GA OR UL DESIGN NUMBER.
2. IF REQUIREMENTS OF ASSEMBLY NUMBERS REFERENCED CONFLICT WITH CONTRACT DOCUMENT REQUIREMENTS, CONFORM TO ASSEMBLY REQUIREMENTS.
B. DEFLECTION LIMITS:
1. LIMIT DEFLECTION OF PARTITIONS TO FOLLOWING LIMITS, BASED ON 5 PSF UNIFORM DESIGN LOAD.
a) PARTITIONS TO RECEIVE TILE: L/240
b) OTHER PARTITIONS: L/120.
2. IF PARTITION HEIGHT EXCEEDS STUD MANUFACTURER'S LIMITING HEIGHT FOR APPLICABLE LOADING AND DEFLECTION, INSTALL BRACING ABOVE CEILING, DECREASE STUD SPACING, OR INCREASE STUD GAUGE.

1.04 PROJECT CONDITIONS:

- A. MAINTAIN TEMPERATURE IN SPACES IN WHICH WORK IS BEING PERFORMED ABOVE 50° F DURING AND AFTER INSTALLATION.
B. PROVIDE ADEQUATE VENTILATION TO PREVENT EXCESSIVE HUMIDITY.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. METAL FRAMING: IN ACCORDANCE WITH ASTM C645, MEETING REQUIREMENTS OF ASTM A525, CLASS G-90 FOR HOT-DIP GALVANIZED, OR ASTM A591, CLASS B FOR ELECTROGALVANIZED.
1. PARTITION FRAMING:
a) STUDS: NON-LOAD BEARING ROLLED STEEL, CHANNEL SHAPED, PUNCHED FOR UTILITY ACCESS.
b) RUNNERS: OF SAME MATERIAL AND FINISH AS STUDS, CHANNEL SHAPED; PROVIDE DEEP LEG RUNNERS AT TOP OF PARTITIONS.
2. SUSPENDED CEILING FRAMING:
a) RUNNER CHANNELS: 1 - 2" INCH DEEP, COLD ROLLED, CHANNEL SHAPED, WEIGHING 0.5 POUNDS PER LINEAR FOOT, 16 GAUGE.
b) FURRING CHANNELS: HAT-SHAPED, 7/8 INCH DEEP, 25 GAUGE.
3. WALL FRAMING CHANNELS: HAT-SHAPED, 7/8 INCH DEEP, 25 GAUGE.
4. SHAFT WALL FRAMING: SERIES 6207 AS MANUFACTURED BY DOMTAR GYPSUM, OR ACCEPTED SUBSTITUTE, CONSISTING OF C-H STUDS, J TRACKS AND J-L CORNERS.
B. GYPSUM PANELS: FURNISH IN MAXIMUM PRACTICAL LENGTH.
1. REGULAR: ASTM C36, 48 INCHES WIDE, TAPERED EDGE.
2. WATER-RESISTANT: ASTM C630, 48 INCHES WIDE, TAPERED EDGE, WATER RESISTANT; APPLY TO WALLS TO RECEIVE CERAMIC TILE.
3. FIRE-RESISTANT: ASTM C36, 48 INCHES WIDE, TAPERED EDGE, TYPE X; APPLY TO FIRE RATED ASSEMBLIES.

2.02 ACCESSORIES:

- A. FASTENERS:
1. FOR ATTACHING FRAMING TO CONCRETE: POWER DRIVEN.
2. FOR ATTACHING FRAMING TO MASONRY: 2 INCH CUT NAILS.
3. FOR FASTENING FRAMING MEMBERS: 3/8 INCH LONG TYPE S PAN HEAD SCREWS, MINIMUM 5/8 INCH PENETRATION INTO FRAMING.
B. ACOUSTICAL INSULATION: SEE SECTION 0721.
C. ADHESIVE: AS RECOMMENDED BY GYPSUM PANEL MANUFACTURER.
D. WIRE: GALVANIZED.
1. HANGER WIRE: 8 GAUGE, PRE-STRETCHED.
2. TIE WIRE: 18 GAUGE, SOFT ANNEALED.
E. METAL ACCESSORIES: GALVANIZED STEEL.
1. CORNER REINFORCEMENT: GA 216, TYPE CB-100 X 100.
2. CASING: GA 216, TYPE LC.
3. CONTROL JOINT.
4. ADJUSTABLE WALL FURRING BRACKETS.
5. METAL FURRING CHANNEL CLIPS.
6. GORCON, INC. TRIM PIECES AS SCHEDULED ON THE DRAWINGS.
F. ACOUSTICAL SEALANT: SEE SECTION 07920.
G. FIRE RATED SEALANT: SEE SECTION 07920.

CONTINUED ON NEXT PAGE

SECTION 09260 - GYPSUM BOARD SYSTEMS (CONTINUED)

PART 3 - EXECUTION

3.01 INSTALLATION:

- A. FRAMING:
1. GENERAL: FOLLOW ASTM C754 AND MANUFACTURER'S RECOMMENDATIONS.
2. PARTITION FRAMING:
a) ACCURATELY ALIGN PARTITIONS ACCORDING TO PARTITION LAYOUT. ATTACH TOP AND BOTTOM RUNNER CHANNELS AT BOTH ENDS AND AT 24 INCHES ON CENTER MAXIMUM.
b) POSITION STUDS VERTICALLY IN RUNNERS, SPACED MAXIMUM 24 INCHES ON CENTER UNLESS INDICATED OTHERWISE.
c) EXCEPT AT SLIP-TYPE HEAD CONNECTION AT PARTITIONS EXTENDING TO STRUCTURE, CUT STUDS 1/4 INCH SHORTER THAN REQUIRED LENGTH AND FRICTION FIT INTO TOP RUNNER. SECURE TO BOTTOM RUNNER, BUT NOT TO TOP RUNNER.
d) PROVIDE SLIP-TYPE HEAD CONNECTION AT PARTITIONS EXTENDING TO STRUCTURE. CUT STUDS 1/4 INCH SHORTER THAN REQUIRED LENGTH AND FRICTION FIT INTO TOP RUNNER. SECURE TO BOTTOM RUNNER, BUT NOT TO TOP RUNNER.
e) LOCATE STUDS MAXIMUM 2 INCHES FROM DOOR FRAMES AND ABUTTING CONSTRUCTION.
f) USE DOUBLE STUDS ON BOTH SIDES OF OPENINGS IN PARTITIONS.
g) AT HEADS OF OPENINGS IN PARTITIONS, INSTALL HORIZONTAL RUNNER WITH FLANGES SLIT AND WEB BENT TO ALLOW FLANGES TO OVERLAP ADJACENT STUDS 4 INCHES ON EACH SIDE; SCREW TO STUDS THROUGH EACH FLANGE. INSTALL STUDS FROM HEADER TO CEILING RUNNER.
h) BRACE FURRED PARTITIONS WITH ADJUSTABLE BRACKET LOCATED AT MID-HEIGHT. PROVIDE BRACING IN PARTITIONS TO RECEIVE AND SUPPORT FIXTURES, TRIM, ACCESSORIES, ETC. BRACING MAY BE EITHER WOOD OR METAL.
i) BRACE CEILING-HEIGHT PARTITIONS TO STRUCTURE ABOVE WITH DIAGONAL STUD BRACES AT 4 FEET ON CENTER MAXIMUM.
3. WALL FURRING:
a) SPACE CHANNELS 24 INCHES ON CENTER MAXIMUM; SECURE AT MAXIMUM 24 INCHES ON CENTER WITH FASTENERS STAGGERED ON ALTERNATING FLANGES.
b) NEST CHANNELS MINIMUM 8 INCHES AT SPLICES; SECURE WITH TWO FASTENERS IN EACH FLANGE.

B. GYPSUM PANELS:

- 1. GENERAL:
a) FOLLOW ASTM C754 AND GA 216.
b) DO NOT LOCATE JOINTS TO ALIGN WITH EDGES OF OPENINGS UNLESS A CONTROL JOINT IS INSTALLED.
c) EXERCISE CARE DURING CUTTING AND INSTALLATION TO AVOID TEARING FACE PAPER OR BREAKING GYPSUM CORE.
d) APPLY PANELS TO CEILING FIRST, THEN TO WALLS.
e) NEATLY CUT AND FIT PANELS AROUND OPENINGS AND PROJECTIONS.
f) PLACE FASTENERS MINIMUM 3/8 INCHES FROM EDGES OF PANELS; DRIVE HEADS SLIGHTLY BELOW SURFACE.
2. WALL PANELS:
a) APPLY PANELS HORIZONTALLY WITH ENDS AND EDGES OCCURRING OVER SUPPORTS.
b) STAGGER JOINTS ON OPPOSITE SIDES OF PARTITIONS.
c) SPOT GROUT DOOR FRAME ANCHORS WITH JOINT COMPOUND. APPLY JUST PRIOR TO INSERTING WALL PANEL INTO FRAME; PUSH PANEL INTO FRAME TO BOND WITH GROUT.
d) MECHANICALLY FASTEN PANELS TO FRAMING.
e) DOUBLE LAYER:
(1) APPLY BASE LAYER AS FOR SINGLE LAYER ABOVE.
(2) APPLY FACE LAYER WITH JOINTS OFFSET FROM THOSE IN BASE LAYER; SECURE WITH MECHANICAL FASTENERS TO FRAMING OR WITH ADHESIVE TO BASE LAYER.
f) AT SLIP-TYPE HEAD CONNECTIONS, CUT PANELS 1/4 INCH SHORT OF STRUCTURE AT HEAD; DO NOT SECURE PANELS TO TOP RUNNER CHANNEL.

C. ACOUSTICAL INSULATION:

- 1. BUTT TIGHTLY TO STUDS, RUNNERS, BRIDGING AND OTHER CONSTRUCTION FEATURES; CARRY AROUND PIPES, WIRING, OUTLETS, ETC. TO FORM COMPLETE ENCLOSURE OF SPACES WITHOUT VOIDS.
2. PRESS INSULATION FIRMLY AGAINST ONE GYPSUM BOARD SURFACE TO FORM SLIGHT AIR SPACE ON OPPOSITE SIDE.
D. ACCESSORIES:
1. GENERAL: INSTALL IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.
2. CORNER REINFORCEMENT: INSTALL AT OUTSIDE CORNERS; USE SINGLE LENGTHS WHERE LENGTH OF CORNER DOES NOT EXCEED STANDARD LENGTH.
3.

- 4. CONTROL JOINTS: INSTALL AT CHANGES IN BACK-UP MATERIAL, AT MAXIMUM 20 FEET ON CENTER AT EXTERIOR WALLS, AT MAXIMUM 30 FEET ON CENTER AT INTERIOR PARTITIONS, AT MAXIMUM 15' ON CENTER AT CEILING AND ELSEWHERE WHERE REQUIRED.
5. ACOUSTICAL SEALANT: APPLY TO PARTITIONS RECEIVING ACOUSTICAL INSULATION.
a) APPLY 3/8 INCH BEAD CONTINUOUSLY BETWEEN GYPSUM PANEL EDGES AND ADJACENT CONSTRUCTION IN DOUBLE LAYER APPLICATIONS. APPLY TO BASE LAYER.
b) APPLY CONTINUOUS BEAD AROUND PENETRATIONS THROUGH PARTITIONS.
c) SEAL SIDES AND BACK OF ELECTRICAL BOXES BY BUTTERING WITH SEALANT BEFORE GYPSUM BOARD IS APPLIED. AFTER PANELS ARE IN PLACE, SEAL PERIMETER OF BOX BETWEEN BOX AND GYPSUM BOARD.

SECTION 09510 - ACOUSTICAL CEILINGS

PART 1 - GENERAL

1.01 REFERENCES:

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
1. STANDARD SPECIFICATION C635: METAL SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANEL CEILING.
2. RECOMMENDED PRACTICE C636: INSTALLATION OF METAL CEILING SUSPENSION SYSTEMS FOR ACOUSTICAL TILE AND LAY-IN PANELS.
3. TEST METHOD E84: SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS.
B. CEILING AND INTERIOR SYSTEMS CONTRACTORS ASSOCIATION (CISCA): CODE OF PRACTICES FOR ACOUSTICAL CEILING SYSTEMS INSTALLATIONS.

1.02 SUBMITTALS:

- A. CERTIFICATION: VERIFICATION THAT ACOUSTICAL PANELS FURNISHED HAVE BEEN TESTED AND APPROVED FOR SPECIFIED FLAME SPREAD RATING.

1.03 QUALITY ASSURANCE:

- A. PANELS: CERTIFIED FOR FLAME SPREAD RATING OF 25 OR LESS WHEN TESTED IN ACCORDANCE WITH ASTM E84.

1.04 PROJECT CONDITIONS:

- A. DO NOT BEGIN INSTALLATION UNTIL:
1. WET WORK IN AREAS TO RECEIVE CEILING IS COMPLETE AND DRIED.
2. OVERHEAD TRADES HAVE HAD THEIR COVERED WORK INSPECTED AND APPROVED.
B. ENVIRONMENTAL REQUIREMENTS: INSTALL IN APPROXIMATELY SAME CONDITIONS OF TEMPERATURE AND HUMIDITY AS WILL PREVAIL AFTER INSTALLATION.
1. TEMPERATURE: 60°F MINIMUM
2. HUMIDITY: 70 PERCENT MAXIMUM.

PART 2 - PRODUCTS

2.01 MATERIALS:

- EXISTING

2.02 ACCESSORIES:

- A. HANGER WIRE: 12 GAUGE GALVANIZED, PRE-STRETCHED.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. CEILING PLANS: VERIFY ELECTRIC LIGHTING FIXTURE AND AIR DISTRIBUTION LAYOUTS TO AS SURE CORRECT POSITIONING OF THESE ITEMS IN FINISHED ACOUSTICAL CEILINGS.
B. REPAIR AND REPLACE EXISTING TILE AND GRID AS REQUIRED.

SECTION 09510 - ACOUSTICAL CEILINGS (CONTINUED)

3.02 INSTALLATION:

- A. GENERAL:
1. BRACE SUSPENSION GRID TO BUILDING AT EACH COLUMN AND MAXIMUM 15 FEET ON CENTER AT PERIMETER, IN MANNER TO PROVIDE LATERAL STABILITY OF CEILING SYSTEM.
2. REPAIR/REPLACE EXISTING GRID AS REQUIRED.
B. EXPOSED SUSPENSION GRID:
1. INSTALL MOLDING AROUND PERIMETERS AND ABUTTING SURFACES, AT PROPER LEVEL FOR CEILING HEIGHT. MITER ANGLE MOLDING AT EXTERIOR CORNERS; CUT FLANGES AND BEND WEB TO FORM INTERIOR CORNERS.
C. LAY-IN ACOUSTICAL PANELS:
1. PLACE WITH EDGES RESTING FLAT ON GRID FLANGES.
2. NEATLY CUT TO FIT AROUND PENETRATIONS THROUGH CEILING. LOCATE CUTS TO BE BY FLANGES.

3.03 ADJUSTING:

- A. CHECK AREAS FOR LEVEL AND CENTERING OF TILES IN SUSPENSION GRID.

END OF SECTION

SECTION 09678 - RESILIENT BASE

PART 1 - GENERAL

1.01 SUBMITTALS:

- A. SAMPLES: MINIMUM 2 INCH LONG SAMPLE OF EACH TYPE AND COLOR, FOR TYPE AND COLOR VERIFICATION.

1.02 MAINTENANCE:

- A. EXTRA STOCK: PROVIDE MINIMUM 2 PERCENT EXTRA BASE IN EACH COLOR AND SIZE INSTALLED, IN CLEAN MARKED CARTONS.

PART 2 - PRODUCTS

2.01 MATERIALS:

- REFER TO SECTION 01900.

2.02 ACCESSORIES:

- A. ADHESIVE: AS RECOMMENDED BY BASE MANUFACTURER.
B. PRE-FORMED CORNERS - INTERNAL AND EXTERNAL REQUIRED.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. CLEAN WALL SURFACES OF MATERIALS THAT COULD INTERFERE WITH ADHESION.

3.02 INSTALLATION:

- A. APPLY ADHESIVE CONTINUOUSLY TO BACK OF BASE.
B. INSTALL IN AS LONG LENGTHS AS POSSIBLE; DO NOT INSTALL PIECES LESS THAN 6" LONG.
C. MAINTAIN TOP EDGE TRUE TO LINE AND BOTTOM EDGE IN CONTINUOUS CONTACT WITH FLOOR. BUTT JOINTS OF BASE TIGHT; BUTT BASE TIGHT TO INTERSECTING CONSTRUCTION FEATURES.
D. USE PRE-MOLDED INTERNAL AND EXTERNAL CORNERS.

3.03 CLEANING:

- A. REMOVE EXCESS ADHESIVE FROM EXPOSED SURFACES.

END OF SECTION

SECTION 09680 - CARPET

PART 1 - GENERAL

1.01 SUBMITTAL:

- A. CERTIFICATIONS: PROVIDE CERTIFICATE, SHOWING CARPET REGISTER NUMBERS, AND STATING THAT CARPET FURNISHED IS MANUFACTURED IN ACCORDANCE WITH THESE SPECIFICATIONS.
B. SAMPLES: MINIMUM 12" BY 12" SAMPLE OF EACH COLOR AND TYPE, FOR COLOR AND TYPE VERIFICATION.

1.02 PROJECT CONDITIONS:

- A. DO NOT BEGIN INSTALLATION UNTIL PAINTING AND FINISHING WORK HAVE BEEN COMPLETED.
B. DO NOT INSTALL IF TEMPERATURE OF SPACES OR SUBFLOOR IS BELOW 50°F.

1.03 MAINTENANCE:

- A. OWNER WILL VIEW CARPET SCRAPS AND RETAIN ANY HE CHOOSES FOR FUTURE REPAIRS BEFORE THEY ARE REMOVED FROM JOB SITE.
B. EXTRA STOCK: PROVIDE 5% OF TOTAL YARDAGE OF EACH CARPET TYPE FOR FUTURE REPAIRS.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. COMMERCIAL CARPET AS NOTED IN SECTION 01900.
B. NO SUBSTITUTIONS.

2.02 ACCESSORIES:

- A. ADHESIVE: NON-TOXIC, WATERPROOF, WHITE LATEX, BASE CEMENT FORMULATED SPECIFICALLY FOR INSTALLING CARPET; RECOMMENDED BY CARPET MANUFACTURER.
B. EDGING: AS MANUFACTURED BY MERCER PLASTICS CO., INC. OR ACCEPTED SUBSTITUTE, VINYL EDGE GUARD, COLOR AS SELECTED FROM MANUFACTURER'S STANDARD, TYPE AS REQUIRED.
C. TACKLESS STRIP: AS RECOMMENDED BY CARPET MANUFACTURER FOR CARPET THICKNESS, WATER-RESISTANT PLYWOOD WITH ANGULAR PINS.
D. LEVELING COMPOUND: WHITE, PRE-MIXED, LATEX-BASED.

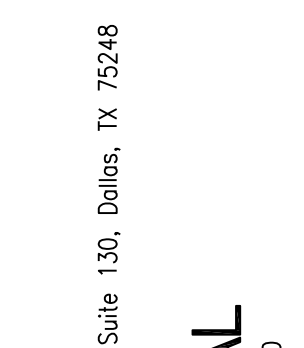
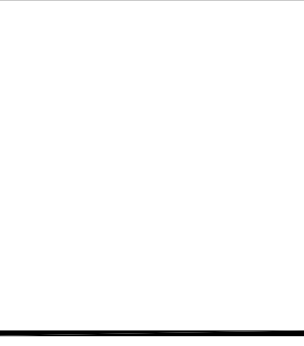
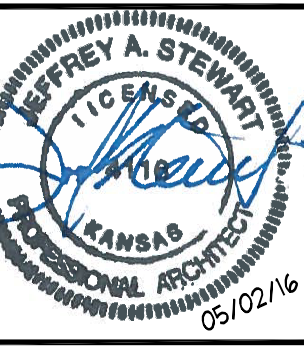
2.03 WARRANTIES:

- A. NO DELAMINATION - GUARANTEED FOR THE LIFE OF THE CARPET.
B. 20 LBS. TUFT BIND, WET OR DRY - GUARANTEED FOR LIFE OF THE CARPET.
C. NO EDGE RAVEL, WET OR DRY - GUARANTEED FOR THE LIFE OF THE CARPET.
D. INSTALLATION - GUARANTEED TO XEROX CORPORATION FOR THE LIFE OF THE CARPET.

PART 3 - EXECUTION

3.01 PREPARATION:

- A. REMOVE GREASE, OIL, PAINT AND OTHER FOREIGN MATTER FROM SUBFLOOR.
B. FILL CRACKS, VOIDS AND DEPRESSIONS IN SUBFLOOR WITH LEVELING COMPOUND.
C. GRIND RIDGES AND HIGH SPOTS IN SUBFLOOR SMOOTH.
D. THOROUGHLY CLEAN SUBFLOOR USING COMMERCIAL VACUUM CLEANER AND DAMP MOP.
E. IF CONCRETE SUBFLOOR IS EXCESSIVELY DUSTY OR POWDERY, TREAT WITH SEALER COMPATIBLE WITH ADHESIVE. APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S DIRECTIONS; PROMPTLY REMOVE EXCESS SEALER.
F. LAYOUT:
1. LAY OUT CARPET SO THAT SEAMS WILL BE MINIMIZED & AS INCONSPICUOUS AS POSSIBLE.
2. WHERE WIDTH OF ROOM OR SPACE IS LESS THAN WIDTH OF CARPET, LONGITUDINAL SEAMS WILL NOT BE PERMITTED.
3. RUN GRAIN OR PATTERN OF ALL PIECES IN SAME DIRECTION.



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REVISIONS:

PROJECT NO: 410.2215.00
DRAWN BY: STAFF
DATE: 05.02.16
CHECKED BY: AC
ISSUED FOR: BID # PERMIT

A1.4 SPECIFICATIONS

SECTION 0960 - CARPET (CONTINUED)

3.02 INSTALLATION:

- A. CARPET: DIRECT GLUED:
 1. CUT SEVERAL PIECES OF CARPET TO LENGTH, PLUS TRIM, IN ADVANCE AND LAY OUT FLAT, READY FOR USE.
 2. SNAP CHALK LINE INDICATING LOCATION OF FIRST SEAM.
 3. TURN BACK EACH PIECE AND APPLY ADHESIVE APPROXIMATELY 2 FEET EITHER SIDE OF CHALK LINE. LAY EACH PIECE TOWARD SEAM, WORKING CUT EDGE INTO ADHESIVE TO PICK UP SUFFICIENT ADHESIVE TO BUTTER SEAM. ROLL OUT BUBBLES TOWARD SEAM.
 4. ROLL OR FOLD UNCEMENTED CARPET TOWARD SEAM, APPLY ADHESIVE AND UNROLL CARPET INTO ADHESIVE. ROLL OUT BUBBLES AWAY FROM SEAM.
 5. REPEAT OPERATION FOR SECOND PIECE BUT OMIT ADHESIVE FOR 2 FEET WHERE NEXT SEAM WILL OCCUR.
 6. CUT OFF EXCESS CARPET AND REPEAT OPERATION FOR ADDITIONAL SEAMS.
 7. BACK SEW CROSS SEAMS; IRON STITCHES FLAT AND COVER WITH LATEX ADHESIVE.
 8. CUT CARPET WITH MAXIMUM POSSIBLE OVERAGE AT PENETRATIONS; POSITION SEAMS MADE BY THESE CUTS FIRST.
- B. EDGING: PROVIDE AT EXPOSED EDGE OF CARPET NOT ABUTTING VERTICAL SURFACES; SECURE TO FLOOR.
 - C. REDUCER STRIPS: BLACK.
 - D. INSTALLATION MUST BE BY MANUFACTURER'S CERTIFIED INSTALLER.

3.03 CLEANING:

- A. REMOVE DIRT AND DEBRIS AND CLEAN CARPET OF SPOTS AS RECOMMENDED BY CARPET MANUFACTURER. REMOVE LOOSE THREADS WITH SHARP SCISSORS, THEN CLEAN WITH VACUUM CLEANER.

END OF SECTION

SECTION 0961 - CARPET TILE

PART 1 - GENERAL

1.01 SUMMARY:

- A. THIS SECTION INCLUDES MODULAR CARPET TILE, AS SCHEDULED IN SECTION 01900.
- B. RELATED SECTIONS INCLUDE THE FOLLOWING:
 1. SECTION 0978 - RESILIENT BASE.
 2. SECTION 0960 - CARPET.

1.02 SUBMITTALS:

- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, INCLUDE MANUFACTURER'S WRITTEN DATA ON PHYSICAL CHARACTERISTICS, DURABILITY AND FADE RESISTANCE. INCLUDE INSTALLATION RECOMMENDATIONS FOR THE REQUIRED TYPE OF SUBSTRATE.
- B. SHOP DRAWINGS: SHOW THE FOLLOWING:
 1. TYPE OF INSTALLATION.
 2. PATTERN OF INSTALLATION.
 3. EDGE, TRANSITION AND OTHER ACCESSORY STRIPS.
 4. TRANSITION DETAILS TO OTHER FLOORING MATERIALS.
- C. SAMPLES: FOR EACH COLOR AND TEXTURE REQUIRED.
 1. CARPET TILE: FULL-SIZE SAMPLE.
 2. EXPOSED EDGE, TRANSITION AND OTHER ACCESSORY STRIPPING: 12-INCH LONG SAMPLES.
 3. USE SAME DESIGNATION AS INDICATED ON FINISH SCHEDULE.
- D. CERTIFICATIONS: PROVIDE CERTIFICATE SHOWING CARPET REGISTER NUMBERS AND STATING THAT CARPET FURNISHED IS MANUFACTURED IN ACCORDANCE WITH THESE SPECIFICATIONS.
- E. MAINTENANCE DATA: TO INCLUDE IN MAINTENANCE MANUALS.
- F. WARRANTY: SPECIAL WARRANTY SPECIFIED IN THIS SECTION.

1.03 QUALITY ASSURANCE:

- I. INSTALLER QUALIFICATIONS: AN EXPERIENCED INSTALLER WHO IS CERTIFIED BY THE FLOOR COVERING INSTALLATION BOARD OR WHO CAN DEMONSTRATE COMPLIANCE WITH ITS CERTIFICATION REQUIREMENTS.
- J. MOCKUPS: BEFORE INSTALLING CARPET TILE, BUILD MOCKUPS TO VERIFY SELECTIONS MADE UNDER SAMPLE SUBMITTALS AND TO DEMONSTRATE AESTHETIC EFFECTS AND SET QUALITY STANDARDS FOR MATERIALS AND EXECUTION.
 1. APPROVED MOCKUPS MAY BECOME PART OF THE COMPLETED WORK IF UNDAMAGED AT TIME OF SUBSTANTIAL COMPLETION.
- K. PRE-INSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE TO COMPLY WITH REQUIREMENTS IN DIVISION 1 SECTION "PROJECT MANAGEMENT AND COORDINATION".

1.04 DELIVERY, STORAGE AND HANDLING:

- A. COMPLY WITH CRI 104, SECTION 5, "STORAGE AND HANDLING".

1.05 PROJECT CONDITIONS:

- A. COMPLY WITH CRI 104, SECTION 7.2, "SITE CONDITIONS; TEMPERATURE AND HUMIDITY" AND SECTION 7.12, "VENTILATION".
- B. ENVIRONMENTAL LIMITATIONS: DO NOT INSTALL CARPET TILES UNTIL WET WORK IN SPACES, INCLUDING BUT NOT LIMITED TO PAINTING AND FINISHING, IS COMPLETE AND DRY, AND AMBIENT TEMPERATURE AND HUMIDITY CONDITIONS ARE MAINTAINED AT THE LEVELS INDICATED FOR PROJECT WHEN OCCUPIED FOR ITS INTENDED USE.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. EXAMINE SUBSTRATES, AREAS AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR MAXIMUM MOISTURE CONTENT, ALKALINITY RANGE, INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING CARPET TILE PERFORMANCE. EXAMINE CARPET TILE FOR TYPE, COLOR, PATTERN AND POTENTIAL DEFECTS.
- B. FIELD VERIFY ALL DIMENSIONS AND OTHER WORK CONDITIONS AFFECTING THE INSTALLATION OF CARPET TILE.
- C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

3.02 PREPARATION:

- A. GENERAL: COMPLY WITH CRI 104, SECTION 6.2, "SITE CONDITIONS: FLOOR PREPARATION", AND WITH CARPET TILE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PREPARING SUBSTRATES INDICATED TO RECEIVE CARPET TILE INSTALLATION.
- B. USE TROWELABLE LEVELING AND PATCHING COMPOUNDS, ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS, TO FILL CRACKS, HOLES, DEPRESSIONS AND PROTRUSIONS IN SUBSTRATES. FILL OR LEVEL CRACKS, HOLES AND DEPRESSIONS 1/8 INCH WIDE OR WIDER AND PROTRUSIONS MORE THAN 1/32 INCH, UNLESS MORE STRINGENT REQUIREMENTS ARE REQUIRED BY MANUFACTURER'S WRITTEN INSTRUCTIONS.
- C. REMOVE COATINGS, INCLUDING CURING COMPOUNDS, AND OTHER SUBSTANCES THAT ARE INCOMPATIBLE WITH ADHESIVES AND THAT CONTAIN SOAP, WAX, OIL, OR SILICONE, WITHOUT USING SOLVENTS. USE MECHANICAL METHODS RECOMMENDED IN WRITING BY CARPET TILE MANUFACTURER.
- D. CLEAN FLOORS OF GREASE, OIL, DUST, DIRT, PAINT AND OTHER SUBSTANCES WHICH WOULD BE DETRIMENTAL TO CARPET. ALLOW FLOORS TO THOROUGHLY DRY.

3.03 INSTALLATION:

- A. GENERAL: COMPLY WITH CRI 104, SECTION 14, "CARPET MODULES", AND WITH CARPET TILE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- B. INSTALLATION METHOD: GLUE DOWN: INSTALL EVERY TILE WITH FULL-SPREAD, RELEASABLE, PRESSURE-SENSITIVE ADHESIVE.
- C. MAINTAIN DYE LOT INTEGRITY: DO NOT MIX DYE LOTS IN SAME AREA.
- D. CUT AND FIT CARPET TILE TO BUTT TIGHTLY TO VERTICAL SURFACES, PERMANENT FIXTURES, AND BUILT-IN FURNITURE. BIND AND SEAL CUT EDGES AS RECOMMENDED BY CARPET TILE MANUFACTURER.
 1. PROVIDE CARPET EDGE GUARD AT EXPOSED EDGES OF CARPET NOT ABUTTING VERTICAL SURFACES; SECURE TO FLOOR. USE FULL-LENGTH STRIPS.
- E. EXTEND CARPET TILE INTO TOE SPACES, DOOR REVEALS, COSETS, OPEN-BOTTOMED OBSTRUCTIONS, REMOVABLE FLANGES, ALCOVES AND SIMILAR OPENINGS.
- F. UNLESS OTHERWISE NOTED OR APPROVED, BEGIN LAYING TILE AT CENTERLINE.
 1. ALIGN PATTERN AND PILE IN THE SAME DIRECTION PARALLEL TO THE CENTERLINE OF THE AREA OR ROOM, UNLESS OTHERWISE NOTED.
- G. INSTALL PATTERN PARALLEL TO WALLS AND BORDERS.
 1. INSTALL MODULES SO THAT EDGES ALIGN, CORRECT ANY MISALIGNMENT.
- H. CARPET SHALL BE FREE FROM MOVEMENT WHEN SUBJECT TO TRAFFIC.

SECTION 0961 - CARPET TILE (CONTINUED)

3.04 CLEANING AND PROTECTION:

- A. PERFORM THE FOLLOWING OPERATIONS IMMEDIATELY AFTER INSTALLING CARPET TILE:
 1. REMOVE AND DISPOSE OF DEBRIS.
 2. REMOVE EXCESS ADHESIVE, SEAM SEALER AND OTHER SURFACE BLEMISHES USING CLEANER RECOMMENDED BY CARPET TILE MANUFACTURER.
 3. REMOVE YARNS THAT PROTRUDE FROM CARPET TILE SURFACE.
 4. VACUUM CARPET FILE USING COMMERCIAL MACHINE WITH FACE-BEATER ELEMENT.
- B. PROTECT INSTALLED CARPET TILE TO COMPLY WITH CRI 104, SECTION 16, "PROTECTION OF INDOOR INSTALLATIONS".
- C. PROTECT CARPET TILE AGAINST DAMAGE FROM CONSTRUCTION OPERATIONS AND PLACEMENT OF EQUIPMENT AND FIXTURES DURING THE REMAINDER OF CONSTRUCTION PERIOD.

END OF SECTION

SECTION 0970 - WALL COVERING

PART 1 - GENERAL

1.01 SUMMARY:

- A. RELATED DOCUMENTS: PROVISIONS ESTABLISHED IN GENERAL AND SUPPLEMENTARY CONDITIONS OF THE CONTRACT, DIVISION 1 - GENERAL REQUIREMENTS, AND THE DRAWINGS ARE COLLECTIVELY APPLICABLE TO THIS SECTION.
- B. SECTIONS INCLUDE:
 1. SURFACE PREPARATION AND PRIME PAINTING.
 2. WALL COVERING, INCLUDING APPLICATION MATERIALS AND INCIDENTAL SERVICES.

1.02 SUBMITTALS:

- A. SUBMIT PRODUCT DATA UNDER PROVISIONS OF SECTION 01340.
- B. PROVIDE PRODUCT DATA ON WALLCOVERING AND ADHESIVE.
- C. SUBMIT SAMPLES UNDER PROVISIONS OF SECTION 01340.
- D. SUBMIT TWO SAMPLES OF WALL COVERING 12 BY 12 INCH IN SIZE ILLUSTRATING COLOR, FINISH, AND TEXTURE.
- E. SUBMIT MANUFACTURER'S INSTALLATION INSTRUCTIONS UNDER PROVISIONS OF SECTION 01340.

1.03 QUALITY ASSURANCE:

- A. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING COMMERCIAL WALL FABRICS WITH 5 YEARS DOCUMENTED EXPERIENCE.
- B. APPLICATOR: COMPANY SPECIALIZING IN INSTALLING WALL FABRICS WITH 3 YEARS DOCUMENTED EXPERIENCE.

1.04 REGULATORY REQUIREMENTS:

- A. CONFORM TO APPLICABLE BUILDING CODE FOR FLAME SPREAD/FUEL CONTRIBUTION/SMOKE DEVELOPMENT RATINGS OF 25/35/50 WHEN TESTED TO ANSI/ASTM E 84.

1.05 FIELD SAMPLE:

- A. INSTALL FIELD SAMPLE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 01340.
- B. APPLY FIELD SAMPLE PANEL, 96 BY 96 INCH SQUARE, ILLUSTRATING INSTALLED COVERING AND JOINT SEAMING TECHNIQUE FOR EACH TYPE WALLCOVERING SPECIFIED, APPLICATION ON WALL DESIGNATED BY ARCHITECT.
- C. ACCEPTED FIELD SAMPLE REMAIN AS PART OF THE WORK.

1.06 ENVIRONMENTAL REQUIREMENTS:

- A. PROVIDE CONTINUOUS VENTILATION AND HEATING FACILITIES TO MAINTAIN SUBSTRATE SURFACE AND AMBIENT TEMPERATURES ABOVE 60 DEGREES F UNLESS REQUIRED OTHERWISE BY MANUFACTURER'S INSTRUCTIONS.
- B. DO NOT APPLY ADHESIVE WHEN SUBSTRATE SURFACE TEMPERATURE OR AMBIENT TEMPERATURE IS BELOW 60 DEGREES F OR RELATIVE HUMIDITY IS ABOVE 40 PERCENT.
- C. MAINTAIN THESE CONDITIONS 24 HOURS BEFORE, DURING, AND AFTER INSTALLATION OF ADHESIVE WALL COVERING.
- D. PROVIDE LIGHTING LEVEL OF 80 FT CANDLES MEASURED MID-HEIGHT AT SUBSTRATE SURFACES.

1.07 DELIVERY, STORAGE AND HANDLING:

- A. STORE AND PROTECT PRODUCTS UNDER PROVISIONS OF SECTION 01600.
- B. INSPECT ROLL MATERIALS ON SITE TO VERIFY ACCEPTANCE.
- C. PROTECT PACKAGED ADHESIVE FROM TEMPERATURE CYCLING AND COLD TEMPERATURES.
- D. DO NOT STORE ROLL GOODS ON END.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. WALL COVERING: AS SELECTED BY ARCHITECT.

2.02 ACCESSORIES:

- A. ADHESIVE: TYPE RECOMMENDED BY WALL COVERING MANUFACTURER TO SUIT APPLICATION TO SUBSTRATE.
- B. SUBSTRATE FILTER: AS RECOMMENDED BY ADHESIVE AND WALL COVERING MANUFACTURERS; COMPATIBLE WITH SUBSTRATE.
- C. SUBSTRATE PRIMER AND SEALER: TYPE AS RECOMMENDED BY WALL COVERING MANUFACTURER.
- D. TERMINATION TRIM: EXTRUDED PLASTIC OF CLEAR COLOR.

PART 3 - EXECUTION

3.01 EXAMINATION:

- A. VERIFY THAT SUBSTRATE SURFACES ARE PRIMED AND READY TO RECEIVE WORK, AND CONFORM TO REQUIREMENTS OF THE WALL COVERING MANUFACTURER.
- B. MEASURE MOISTURE CONTENT OF SURFACES USING AN ELECTRONIC MOISTURE METER. DO NOT APPLY COVERINGS UNLESS MOISTURE CONTENT OF SURFACES ARE BELOW THE FOLLOWING MAXIMUMS:

FLAT	FL	85 DEGREES	BELOW 15
EGGSHELL	ES	60 DEGREES	5 TO 20
SATIN	SA	60 DEGREES	15 TO 35
SEMI-GLOSS	SG	60 DEGREES	30 TO 65
GLOSS	HG	60 DEGREES	OVER 35
- C. VERIFY FLATNESS TOLERANCE OF SURFACES DOES NOT VARY MORE THAN 1/8 INCH IN 10 FEET NOR VARY AT A RATE GREATER THAN 1/16 INCH/FT.
- D. BEGINNING OF INSTALLATION MEANS ACCEPTANCE OF SUBSTRATE.

3.02 PREPARATION:

- A. EXAMINE SUBSTRATE SURFACES FOR CONDITIONS THAT WOULD AFFECT PROPER APPLICATION OF WALL COVERING. SURFACES SHALL BE SMOOTH, CLEAN AND DRY. REPORT DEFECTS TO ARCHITECT IN WRITING.
- B. FILL CRACKS AND SMOOTH IRREGULARITIES WITH FILLER; SAND SMOOTH.
- C. SAND CRACKS AND OTHER SURFACES SHELLAC MARKS WHICH MAY BLEED.
- D. REMOVE ELECTRICAL, TELEPHONE, AND OTHER WALL PLATES AND COVERS.
- E. VACUUM CLEAN SURFACES FREE OF LOOSE PARTICLES.
- F. APPLY ONE COAT OF PRIMER SEALER TO SUBSTRATE SURFACES. ALLOW TO DRY. LIGHTLY SAND SMOOTH. VACUUM CLEAN.

3.03 INSTALLATION:

- A. APPLY ADHESIVE AND WALL COVERING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- B. RAZOR TRIM EDGES ON FLAT WORK TABLE. DO NOT RAZOR CUT ON GYPSUM BOARD SURFACES.
- C. APPLY WALL COVERING SMOOTH, WITHOUT WRINKLES, GAPS OR OVERLAPS. ELIMINATE AIR ROCKETS AND ENSURE FULL BOND TO SUBSTRATE SURFACE. BUTT EDGES TIGHT.
- D. HORIZONTAL SEAMS ARE NOT ACCEPTABLE.
- E. DO NOT SEAM WITHIN 2 INCHES OF INTERNAL CORNERS OR WITHIN 6 INCHES OF EXTERNAL CORNERS.
- F. INSTALL WALL COVERING BEFORE INSTALLATION OF BASES, CABINETS, HARDWARE, OR ITEMS ATTACHED TO OR SPACED SLIGHTLY FROM WALL SURFACE. DO NOT INSTALL WALL COVERING MORE THAN 1/2 INCH BELOW TOP OF RESILIENT BASE. RUN FABRIC BEHIND CABINETS AND SPLASHES 2 INCHES.
- G. COVER SPACES ABOVE AND BELOW WINDOWS, ABOVE DOORS, IN PATTERN OR NUMERICAL SEQUENCE FROM ROLL, WHICHEVER IS APPLICABLE.
- H. WHERE WALL COVERING TUCKS INTO DOOR FRAME REVEALS, OR METAL WALLBOARD OR PLASTER STOPS, APPLY COVERING WITH CONTACT ADHESIVE WITHIN 6 INCHES OF WALL COVERING TERMINATION. ENSURE FULL CONTACT BOND.
- I. INSTALL TERMINATION TRIM WHERE VINYL DOES NOT STOP AT A CORNER.
- J. REMOVE EXCESS WET ADHESIVE FROM SEAM BEFORE PROCEEDING TO NEXT WALL COVERING SHEET. WIPE CLEAN WITH DRY CLOTH.
- K. CONTINUE WALL COVERING THROUGH JAMBS AND HEADS OF DRYWALL OPENINGS.

SECTION 0970 - WALLCOVERING (CONTINUED)

3.04 CLEANING:

- A. CLEAN WALL COVERINGS OF EXCESS ADHESIVE, DUST, DIRT, AND OTHER CONTAMINANTS, UNDER PROVISIONS OF SECTION 01740.
- B. REPLACE WALL PLATES AND ACCESSORIES REMOVED PRIOR TO WORK OF THIS SECTION.

3.05 PROTECTION:

- A. PROTECT FINISHED INSTALLATION UNDER PROVISIONS OF SECTION 01600.

3.06 DEFECTS:

- A. REPLACE WALL COVERINGS APPLIED TO DEFECTIVE SUBSTRATE SURFACES. CORRECT DEFECTS IN COMPLETED WALL COVERINGS.

END OF SECTION

SECTION 0990 - PAINTING

PART 1 - GENERAL

1.01 REFERENCES:

- A. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM):
 1. C475: JOINT TREATMENT MATERIALS FOR GYPSUM WALLBOARD CONSTRUCTION.
 2. D523: TEST METHOD FOR SPECULAR GLOSS.
- B. STEEL STRUCTURES PAINTING COUNCIL, NATIONAL ASSOCIATION OF CORROSION ENGINEERS (SSPC): STEEL STRUCTURES PAINTING MANUAL, VOLUME 2, SYSTEMS AND SPECIFICATIONS.

1.02 SUBMITTALS:

- A. PAINT SCHEDULE: DETAILED SCHEDULE INDICATING LOCATION OF SURFACE, TYPE OF SURFACE, MATERIALS AND NUMBER OF COATS TO BE APPLIED.
- B. PRODUCT DATA: MANUFACTURER'S DATA ON MATERIALS PROPOSED FOR USE. INCLUDE:
 1. PRODUCT DESIGNATION AND GRADE OF EACH TYPE COATING.
 2. SURFACE PREPARATION MATERIALS AND PROCEDURES.
 3. PRODUCT ANALYSIS AND PERFORMANCE CHARACTERISTICS FOR EACH TYPE COATING.
- C. SAMPLES:
 1. DUPLICATE SAMPLES OF EACH TYPE PAINT, SHOWING COLOR AND LUSTER, APPROXIMATELY 3 INCHES BY 6 INCHES, ON REPRESENTATIVE SUBSTRATE. APPLY EACH COAT STEPPED BACK 1 INCH SO THAT ALL COATS REMAIN EXPOSED. LABEL EACH SAMPLE WITH TYPE OF MATERIAL USED FOR EACH COAT.
 2. DUPLICATE 12 INCH BY 12 INCH TEXTURE SAMPLES ON GYPSUM BOARD BACKING.

1.03 DELIVERY, STORAGE AND HANDLING:

- A. DELIVER PAINTS READY-MIXED.
- B. KEEP STORAGE AREA NEAT, CLEAN AND PROTECTED FROM PAINT SPILLAGE. REPAIR DAMAGE CAUSED TO SURFACE WITHIN STORAGE AREAS.

1.04 PROJECT CONDITIONS:

- A. ENVIRONMENT:
 1. APPLY PAINTS UNDER DRY AND DUST-FREE CONDITIONS.
 2. DO NOT APPLY PAINT WHEN AMBIENT TEMPERATURE IS LESS THAN 50 NOR MORE THAN 90° F, NOR WHEN EXCESSIVELY HUMID.
 3. TEST SURFACES TO BE PAINTED WITH STANDARD MOISTURE METER; DO NOT APPLY PAINT UNTIL MOISTURE CONTENT IS 14 PERCENT OR LESS.
 4. PERFORM WORK UNDER ADEQUATE LIGHTING CONDITIONS.
- B. SAVE SUFFICIENT MATERIAL OF EACH TYPE AND COLOR TO ALLOW FOR TOUCH UP.

PART 2 - PRODUCTS

2.01 MANUFACTURERS:

- A. PREPARED PAINTS:
 1. DEVON AND RAYNOLDS CO.
 2. GLIDDEN COATING AND RESINS DIVISION, SCM CORP.
 3. KELLY-MOORE PAINT CO. INC.
 4. PRATT AND LAMBERT.
 5. SHERWIN WILLIAMS CO.
 6. BENJAMIN MOORE PAINTS.
- B. IN ORDER TO OBTAIN DESIRED COLORS, COLORS MAY BE SCHEDULED BY NAMING COLORS OF SEVERAL MANUFACTURERS.
- C. MANUFACTURER FURNISHING MATERIALS WILL BE REQUIRED TO MATCH SCHEDULED COLORS OF OTHER MANUFACTURERS.
- D. SUBSTITUTIONS: UNDER PROVISIONS OF SECTION 01630.

2.02 MATERIALS:

- A. PREPARED PAINTS: AS FOLLOWS AND AS SCHEDULED HEREINAFTER. ALL BY SAME MANUFACTURER UNLESS NOTED OTHERWISE. (NOT ALL NECESSARILY USED).
 1. INTERIOR PRIMERS AND FILLERS:
 - a) LATEX WALL PRIMER: "PRO-HIDE LATEX WALL PRIMER".
 - b) RUST-INHIBITING METAL PRIMER: "EFFECTO RUST-INHIBITING PRIMER".
 - c) GALVANIZED METAL PRIMER: "GALVANIZED METAL LATEX PRIMER".
 - d) WOOD PRIMER: "INTERIOR TRIM PRIMER".
 - e) BLOCK FILLER: "PRIMAFIL".
 - f) WOOD FILLER: "PASTE FILLER".
 - g) SANDING SEALER: "SANDING SEALER".
 2. INTERIOR PAINTS AND STAINS:
 - a) LATEX FLAT WALL PAINT: "PRO-HIDE LATEX FLAT".
 - b) LATEX ENAMEL: "PRO-HIDE LATEX SATIN ENAMEL".
 - c) EPOXY ENAMEL: "HALGUARD EPOXY COATING".
 - d) WOOD STAIN: "TONECIC WOOD STAIN".
 - e) CLEAR WOOD FINISH: "NUMBER 38 CLEAR FINISH".
- B. PROVIDE LUSTER VALUES BASED ON ASTM D523 TESTING AS FOLLOWS:

2.03 ACCESSORIES:

- A. GYPSUM BOARD TREATMENT: ASTM C475; AS MANUFACTURED BY U.S. GYPSUM CO. OR ACCEPTED SUBSTITUTE.
 1. TAPE: "PERI-A-TAPE".
 2. TAPING COMPOUND: "READY MIXED JOINT COMPOUND-TAPING".
 3. TOPPING COMPOUND: "READY MIXED JOINT COMPOUND-TOPPING".
 4. TEXTURE MATERIAL: "MULTI-PURPOSE TEXTURE FINISH".
- B. SURFACE PREPARATION MATERIALS: FIRST LINE QUALITY, PRODUCT OF REPUTABLE MANUFACTURER, SPECIFICALLY FORMULATED FOR PARTICULAR APPLICATIONS.
- C. THINNERS AND CLEANERS: SPECIFICALLY RECOMMENDED BY MANUFACTURER OF PREPARED PAINTS.

2.04 MIXING:

- A. COLORS SHALL BE AS SCHEDULED IN SECTION 01900.
- B. USE FACTORY MIXED PAINTS MATCHING APPROVED COLOR SAMPLES.
- C. BOX PAINT MATERIALS OF SAME COLOR BY POURING BACK AND FORTH BETWEEN SEPARATE CONTAINERS, PRIOR TO APPLYING.

PART 3 - EXECUTION

3.01 PROTECTION:

- A. GENERAL:
 1. PROTECT OR REMOVE HARDWARE, ESCUTCHEONS, FIXTURES, PLATES, COVERS AND OTHER ITEMS SUBJECT TO DAMAGE OR DISCOLORATION FROM PAINTING.
 2. PROTECT SURFACES NOT REQUIRING PAINTING.

SECTION 0990 - PAINT (CONTINUED)

3.02 SURFACE PREPARATION:

- A. GENERAL:
 1. CLEAN AND DRY SURFACE BEFORE PAINTING. REMOVE DIRT AND DUST BY BRUSHING WITH STIFF BRISTLE BRUSH. REMOVE OIL OR GREASE BY SOLVENT CLEANING.
 2. IF AREA HAS BEEN SUBJECT TO CHEMICAL CONTAMINATION, THOROUGHLY RINSE WITH WATER.
 3. APPLY PRIMER OR FIRST COAT IMMEDIATELY AFTER SURFACE PREPARATION TO PREVENT CONTAMINATION OF SURFACE.
- B. GYPSUM WALLBOARD:
 1. JOINT TREATMENT: MIX AND APPLY TAPE AND BEDDING SYSTEM IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, EXCEPT DO NOT TAPE AND BED MOISTURE-RESISTANT GYPSUM BOARD.
 - a) FIRE-RATED ASSEMBLIES:
 - (1) WALLS: TREAT HORIZONTAL AND VERTICAL JOINTS ON EACH SIDE OF WALL FULL HEIGHT OF WALL.
 - (2) CEILINGS: TREAT ROOM SIZE OF JOINTS FULL EXTENT OF RATED ASSEMBLY.
 - b) APPLY TAPING COMPOUND TO INTERNAL ANGLES, PANEL JOINTS AND METAL ACCESSORIES, APPROXIMATELY 3 INCHES WIDE.
 - c) APPLY TAPE TO INTERNAL ANGLES AND JOINTS, CENTERED AND SEATED INTO COMPOUND. LEAVING SUFFICIENT COMPOUND UNDER TAPE TO PROVIDE PROPER BOND. APPLY SKIM COAT OF TAPING COMPOUND OVER TAPE. CLEAN EXCESS COMPOUND FROM WALLBOARD SURFACE.
 - d) WHEN TAPING COMPOUND HAS THOROUGHLY DRIED, APPLY FIRST COAT OF TOPPING COMPOUND OVER TAPING COMPOUND, FILLING BOARD TAPER FLUSH WITH BOARD SURFACE. FOR JOINTS WITHOUT TAPER, FEATHER OUT 4 INCHES ON EACH SIDE OF TAPE.
 - e) WHEN FIRST COAT HAS THOROUGHLY DRIED, APPLY SECOND COAT OF TOPPING COMPOUND TAPERED BEYOND EDGES OF FIRST COAT AND FEATHERED TO SMOOTH UNIFORM FINISH.
 - f) APPLY MINIMUM TWO COATS OF TOPPING COMPOUND TO FLANGES OF METAL ACCESSORIES. EXTEND COMPOUND APPROXIMATELY 8 INCHES TO 10 INCHES TO EITHER SIDE OF EXPOSED METAL.
 - g) SAND COATS AFTER EACH APPLICATION HAS DRIED AND LEAVE WALLBOARD AND TREATED AREAS UNIFORMLY SMOOTH, WITH JOINTS INDISTINGUISHABLE.
 2. FASTENER DEPRESSIONS AND OTHER SURFACE DEFECTS: APPLY THREE COATS OF TOPPING COMPOUND, EACH APPLIED IN DIFFERENT DIRECTION, SANDING AFTER EACH COAT HAS DRIED. FINISHED SURFACES SHALL BE SMOOTH AND WITHOUT DISTINGUISHABLE IMPERFECTIONS.
 3. PRIMING: APPLY PRIMER AS RECOMMENDED BY MANUFACTURER.
 4. TEXTURE: MIX AND APPLY LIGHT ROLLER TEXTURE IN ACCORDANCE MANUFACTURER'S RECOMMENDATIONS.
- C. PREVIOUSLY PAINTED SURFACES:
 1. REMOVE LOOSE, FLAKING, POWDERY AND PEELING PAINTS.
 2. LIGHTLY SAND GLOSSY PAINTED SURFACES.
 3. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND; SAND FLUSH WITH SURFACE.
 4. REMOVE OIL, GREASE AND WAX BY SCRAPPING, THEN SOLVENT WASH AND THOROUGHLY RINSE.
 5. REMOVE RUST BY WIRE BRUSHING TO EXPOSE BASE METAL.
 6. CONDITION OF SURFACES: DRY, CLEAN, FREE OF DUST, DIRT, POWDERY RESIDUE, LOOSE PAINTS, GREASE, OIL, WAX AND OTHER CONTAMINANTS.
 7. STRIP AND REFINISH ANY EXISTING SURFACES WHICH BLISTER, PEEL, FLAKE OR OTHERWISE DETEriorATE AFTER FINAL FINISH IS APPLIED.
- D. EXISTING VINYL WALL COVERING SURFACES:
 1. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND; SAND FLUSH WITH SURFACE.
 2. SECURE ANY LOOSE VINYL AND REPAIR SUBSTRATE AS REQUIRED.
 3. AT DEMOUNTABLE PARTITIONS SECURE ANY LOOSE JOINTS PRIOR TO PAINTING.
 4. WHERE COLOR OF VINYL IS IN SIGNIFICANT CONTRAST PROVIDE ONE COAT OF TINTED PRIMER/SEALER.
 5. CONDITION OF SURFACES: DRY, CLEAN, FREE OF DUST, DIRT, POWDERY RESIDUE, LOOSE PAINTS, GREASE, OIL, WAX AND OTHER CONTAMINANTS.
 6. STRIP AND REFINISH ANY EXISTING SURFACES WHICH BLISTER, PEEL, FLAKE OR OTHERWISE DETEriorATE AFTER FINAL FINISH IS APPLIED.
- E. PREVIOUSLY VINYL WALL COVERING SURFACES:
 1. REMOVE EXISTING VINYL WALL COVERING.
 2. FILL HOLES, CRACKS, DEPRESSIONS AND OTHER IMPERFECTIONS WITH PATCHING COMPOUND; SAND FLUSH WITH SURFACE.
 3. REMOVE OIL, GREASE AND WAX BY SCRAPPING, THEN SOLVENT WASH AND THOROUGHLY RINSE.
 4. CONDITION OF SURFACES: DRY, CLEAN, FREE OF DUST, DIRT, POWDERY RESIDUE, LOOSE PAINTS, GREASE, OIL, WAX AND OTHER CONTAMINANTS.
 5. STRIP AND REFINISH ANY EXISTING SURFACES WHICH BLISTER, PEEL, FLAKE OR OTHERWISE DETEriorATE AFTER FINAL FINISH IS APPLIED.

3.03 APPLICATION:

- A. THOROUGHLY MIX PAINT BEFORE APPLICATION AND FREQUENTLY STIR DURING APPLICATION TO MAINTAIN PIGMENT IN SUSPENSION. DO NOT ALLOW CAKING OR SETTLING OF PIGMENT.
- B. DO NOT THIN PAINT IN EXCESS OF PRINTED DIRECTIONS OF MANUFACTURER.
- C. APPLY PAINT TO MINIMUM DRY FILM THICKNESS RECOMMENDED BY MANUFACTURER.
- D. APPLY PAINT UNIFORMLY WITHOUT VISIBLE LAPS, SAGS, CURTAINS, HOLIDAYS, AND UNREMOVABLE BRUSH MARKS.
- E. EXERCISE CARE SO THAT PAINT DOES NOT SPLATTER ON SURFACES NOT TO BE PAINTED. REMOVE PROMPTLY PAINT APPLIED OR SPLATTERED ON SURFACES NOT TO BE PAINTED.
- F. ENSURE THAT PRIMER AND INTERMEDIATE COATS OF PAINT ARE UN-SCARRED AND COMPLETELY INTEGRAL AT TIME OF APPLICATION OF EACH COAT.
- G. ALLOW SUFFICIENT TIME BETWEEN COATS TO ENSURE PROPER DRYING.
- H. MATCH FINAL COAT OF PAINT TO COLOR SAMPLES APPROVED BY ARCHITECT.

3.04 FIELD QUALITY CONTROL:

- A. PAINT MANUFACTURER SHALL FURNISH TECHNICAL ASSISTANCE TO ENSURE THAT MATERIALS ARE BEING APPLIED PROPERLY.

3.05 ADJUSTING:

- A. MAKE DETAILED INSPECTION OF PAINT WORK; TOUCH UP ABRADED, STAINED OR OTHERWISE DISFIGURED SURFACES OR REFINISH AS REQUIRED.

3.06 CLEANING:

- A. REMOVE SPATTERING, SPOTS AND BLEMISHES CAUSED BY PAINTING FROM ADJACENT SURFACES.

3.07 PAINT TYPES SCHEDULE:

- A. TYPES OF PAINT LISTED HEREIN ARE SET FORTH AS STANDARD OF QUALITY AND TYPE OF PAINT REQUIRED FOR EACH TYPE OF SURFACE.
 1. EXPOSED SURFACES OF TYPE LISTED IN THE FOLLOWING SCHEDULE ARE TO BE PAINTED. TWO COATS OF APPROPRIATE TYPE OF PAINT.
 2. PRIME COAT SHALL CONSIST OF TOUCH-UP ONLY ON SHOP PRIMED SURFACES.
- B. INTERIOR SURFACES:
 1. GYPSUM BOARD, LATEX FINISH. PRIMER: LATEX WALL PRIMER. TOP COATS: TWO COATS LATEX SATIN WALL PAINT.
 2. GYPSUM BOARD, ENAMEL FINISH. PRIMER: LATEX WALL PRIMER. TOP COATS: TWO COATS LATEX ENAMEL.

3.08 FINISH SCHEDULE:

- A. WALLS - SATIN FINISH (UNLESS OTHERWISE NOTED).
- B. DOORS - SEMI GLOSS (UNLESS OTHERWISE NOTED).
- C. DOOR FRAMES - SEMI GLOSS (UNLESS OTHERWISE NOTED).
- D. CEILINGS - FLAT (UNLESS OTHERWISE NOTED).

END OF SECTION



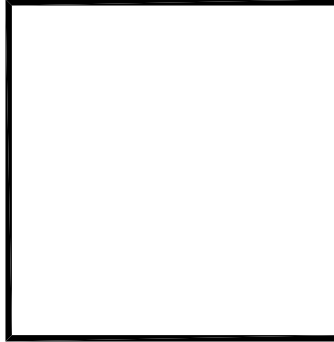
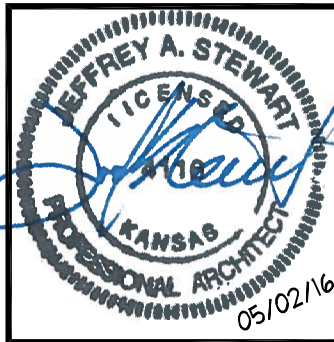
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A1.5
 SPECIFICATIONS



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A2.1
 DEMOLITION
 PLAN



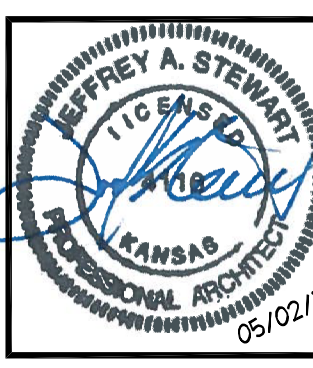
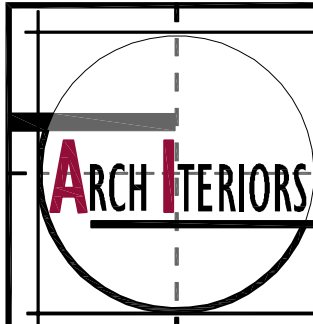
01 DEMOLITION PLAN
 SCALE: 1/8" = 1'-0"

DEMOLITION LEGEND:

- REMOVE PARTITIONS
- EXISTING CONSTRUCTION TO REMAIN
- NIC

DEMOLITION NOTES:

- (ALL NOTES APPLY; SPECIFIC LOCATIONS FOR NOTES ARE REFERENCED ON THE PLAN INDICATED BY "O".)
1. THE DEMOLITION DRAWINGS INDICATE BUILDING CONDITIONS PER EXISTING DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL 3RD PARTY EXISTING CONDITIONS AND IS RESPONSIBLE FOR REQUIRED DEMOLITION TO COMPLETE THE WORK, WHETHER SPECIFICALLY INDICATED OR NOT.
 2. PROVIDE PROTECTIVE COVERINGS FOR EXISTING CONSTRUCTION, DESIGNATED TO REMAIN, TO PREVENT DAMAGE.
 3. CONTRACTOR TO ENSURE THAT UTILITIES REQUIRING MODIFICATION ARE TEMPORARILY OR PERMANENTLY DISCONNECTED AS APPLICABLE.
 4. CONTRACTOR TO PROVIDE NECESSARY TEMPORARY SHORING, BRACING, SUPPORTS, ETC. AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING CONSTRUCTION.
 5. REMOVE EXISTING CONSTRUCTION TO EXTENT INDICATED AND AS NECESSARY TO JOIN NEW WORK TO EXISTING.
 6. TELEPHONE AND ELECTRICAL OUTLETS SHALL BE REMOVED AND CAPPED OFF AT THE NEAREST JUNCTION BOX WHEN EXISTING PARTITIONS ARE DEMOLISHED. OUTLETS IN EXISTING PARTITIONS TO REMAIN SHALL BE REMOVED AND PARTITION PATCHED UNLESS OUTLET IS DESIGNATED TO REMAIN.
 7. ALL EXISTING CONSTRUCTION MATERIAL, INCLUDING BUT NOT LIMITED TO DOORS, FRAMES, DOOR HARDWARE, LIGHT FIXTURES, COMMUNICATIONS CABLING, MECHANICAL COMPONENTS AND ELECTRICAL COMPONENTS TO BE RE-USED WHERE POSSIBLE IN NEW CONSTRUCTION AREAS.
 8. CONDUCT WORK TO MINIMIZE NOISE AND SPREAD OF DIRT AND DUST.
 9. ALL RE-USED MATERIALS TO BE REFURBISHED, TOUCHED-UP OR REPAIRED FOR CONSISTENCY OF APPEARANCE WITH NEW PRODUCTS.
 10. DO NOT REMOVE MORE EXISTING CONSTRUCTION THAN IS NECESSARY TO ALLOW FOR NEW CONSTRUCTION.
 11. ALL EXISTING DOORS WHICH ARE TO BE RE-USED ARE TO BE REVIEWED BY THE GENERAL CONTRACTOR TO CONFIRM THAT ONLY CHIPS, NICKS OR SUPERFICIAL SCRATCHES OCCUR ONLY AT CORNERS AND TOP OR BOTTOM EDGES. SIMILAR IRREGULARITIES WHICH MATCH ONLY THE FINISH WILL REQUIRE REFINISHING AFFECTED FACE OF DOOR. SCRAPES, SCRATCHES OR DELAMINATIONS OF VENEER DISQUALIFY MATERIAL FOR RE-USE. ALL APPARENT IMPERFECTIONS ARE TO BE TOUCH-UP AND REFURBISHED FOR CONSISTENCY OF STAIN AND FINISH.
 12. AT ALL LOCATIONS OF DAMAGED OR REMOVAL OF FIRE PROOFING MATERIALS ON STRUCTURAL ELEMENTS, CONTRACTOR MUST RESTORE SUCH FIRE-PROOFING AFTER REQUIRED CONSTRUCTION IS COMPLETED.
 13. WHEN ABATEMENT IS REQUIRED, DEMOLISH ALL CEILING TILE, GRID, FIXTURES AND ACCESSORIES PRIOR TO ABATEMENT. COORDINATE WITH ARCHITECT FOR SCHEDULING.
 14. CONTRACTOR TO COORDINATE DEMOLITION TO CONSTRUCTION, ELECTRICAL, LIGHTING, FINISH AND MEP PLANS TO VERIFY INTENT OF DEMOLITION SHOWN.
 15. ALL LIFE SAFETY AND FIRE SPRINKLER SYSTEMS MUST REMAIN OPERABLE DURING DEMOLITION AND CONSTRUCTION AT ALL TIMES.
 16. FINISHES TO BE DEMOLISHED, UNLESS OTHERWISE NOTED. CONTRACTOR TO PREP FOR NEW FINISH SPECIFICATIONS, REFER TO SHEET A3.3.
 17. CONTRACTOR TO REMOVE AND RELOCATE EXISTING FIRE EXTINGUISHER CABINET.
 18. CONTRACTOR TO REMOVE EXISTING MILLWORK. PATCH AND REPAIR WALL WHERE NECESSARY AND RELOCATE MILLWORK TO NEW LOCATION IN WORK ROOM 914.
 19. CONTRACTOR TO REMOVE EXISTING PLUMBING.
 20. CONTRACTOR TO MODIFY EXISTING RECEPTION DESK. REFER TO SHEET A4.1.
 21. CONTRACTOR TO REMOVE SHELVEING, BRACKETS AND BACKSPLASH GUARDS. PATCH, REPAIR AND PREP WALL FOR NEW FINISH.
 22. CONTRACTOR TO RELOCATE EXISTING FIRE EXTINGUISHER TO NEW LOCATION. REFER TO SHEET A3.1/01.
 23. EXISTING MILLWORK TO REMAIN.



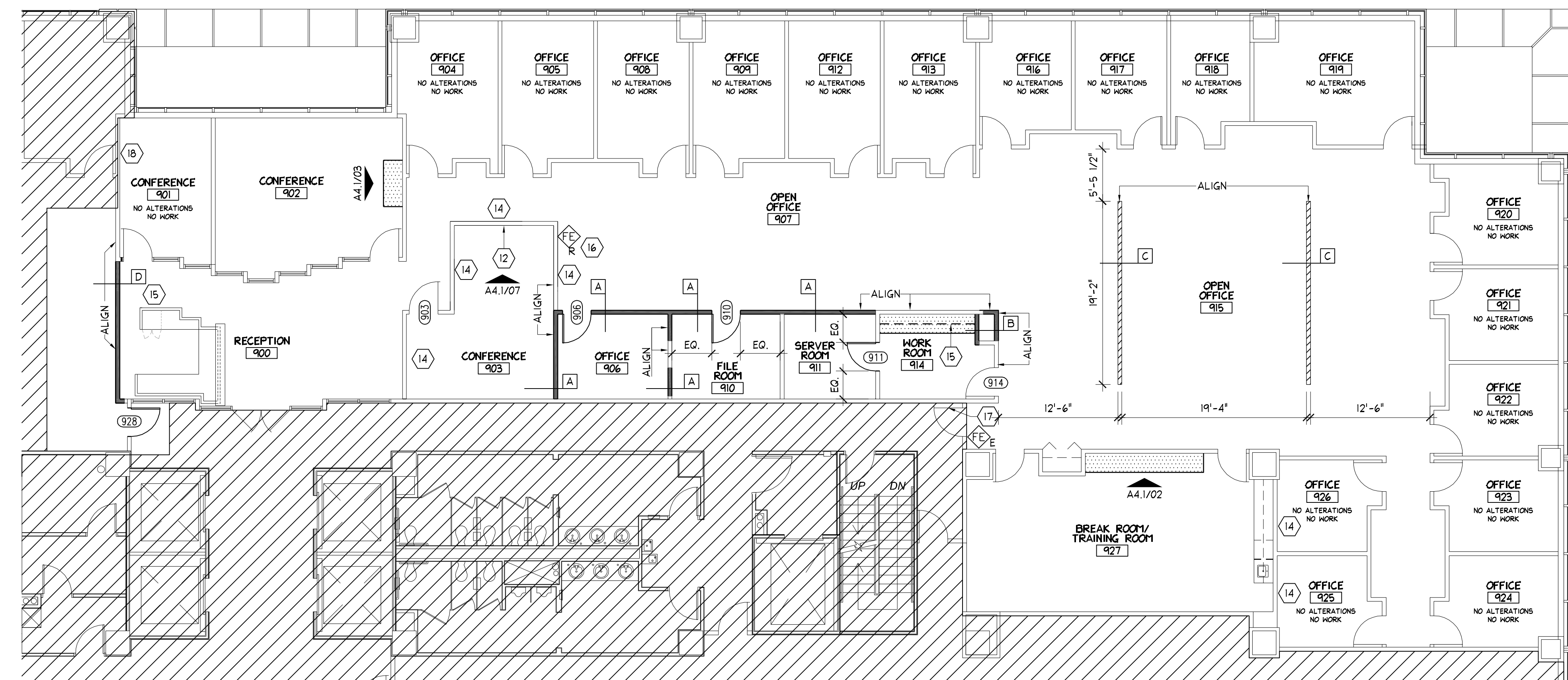
CONSTRUCTION LEGEND:

	EXISTING CONSTRUCTION TO REMAIN		PARTITION TYPE TAG ; REFER TO 01/A5.1
	NEW PARTITIONS		FIRE EXTINGUISHER CABINET
	LOW WALLS @ 67"H		NEW MILLWORK
	PROVIDE NEW TO MATCH BUILDING STANDARD ; REFER TO 03/A5.1.		NIC

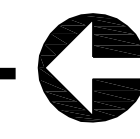
CONSTRUCTION NOTES:

(ALL NOTES APPLY. SPECIFIC LOCATIONS FOR NOTES ARE REFERENCED ON THE PLAN INDICATED BY "X".)

- CONSTRUCT NEW PARTITIONS AS INDICATED. REFER TO PARTITION TYPE SECTION FOR CONSTRUCTION.
- ALL DIMENSIONS ARE TO FACE OF FINISHED PARTITION OR FINISH OF EXISTING CONSTRUCTION.
- GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS, STRUCTURAL COLUMN AND BEAM LOCATIONS, AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. PROCEEDING WITH WORK SHALL CONSTITUTE ACCEPTANCE BY CONTRACTOR THAT CONDITIONS ARE CORRECT AND THAT CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY.
- GENERAL CONTRACTOR TO PROVIDE BRACING, ANCHORING, AND/OR BLOCKING IN PARTITIONS AND ASSEMBLIES AS REQUIRED TO ENSURE STABILITY OF ALL PARTITIONS AND MILLWORK INSTALLATIONS. PROVIDE AND INSTALL MATERIALS TREATED FOR FIRE RETARDANCY AS REQUIRED BY CODE. METAL CORNER BEADS TO BE APPLIED AT ALL OUTSIDE CORNERS.
- ALL NEW CONSTRUCTION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES.
- GENERAL CONTRACTOR TO FIELD VERIFY THAT ALL EXISTING DOORS CONTAIN HARDWARE THAT COMPLY WITH LOCAL BUILDING CODES. PROVIDE HARDWARE NECESSARY TO COMPLY WITH CODE.
- CONTRACTOR TO VERIFY THAT EXISTING WALLS ARE CONSTRUCTED TO CEILING; REMOVE EXISTING SOUND ATTENUATION AND REPLACE WITH NEW. CONTRACTOR TO CONSTRUCT WALLS PER WALL TYPE A ON SHEET 01/A5.1.
- ALL EXISTING RATED PARTITION ASSEMBLIES ARE NOT TO BE COMPROMISED.
- GENERAL CONTRACTOR TO PROVIDE FOR MINOR CORRECTIONS AND/OR FILL TO CONCRETE FLOOR SURFACE THROUGHOUT SPACE AS REQUIRED FOR INSTALLATION OF SPECIFIED FLOORING MATERIALS.
- CONTRACTOR TO VERIFY EXISTING FIRE EXTINGUISHER AND CABINET MEET LOCAL CODES. INSTALL NEW/RELOCATED FIRE EXTINGUISHERS AND CABINETS WHERE AVAILABLE. CONTRACTOR TO PROVIDE SPECIFICATION OF BUILDING STANDARD FIRE EXTINGUISHER CABINET FOR ARCHITECT'S REVIEW.
- CONTRACTOR TO CLEAN ALL WINDOWS SILLS AND MULLIONS THROUGHOUT SPACE.
- GENERAL CONTRACTOR TO PROVIDE 3/4"x4"x4" A/C TREATED PLYWOOD BLOCKING IN WALL FOR FLAT SCREEN TV INSTALLATION. INSTALL BLOCKING IN CENTER OF WALL AT 5'-0" AFF TO CENTER.
- EXISTING DOORS TO REMAIN, UNLESS OTHERWISE NOTED. CONTRACTOR TO REFER TO SHEET A5.1 FOR HARDWARE SPECIFICATIONS.
- CONTRACTOR TO INSTALL EXISTING MILLWORK INTO NEW LOCATION AND ADJUST WALL AS NECESSARY TO ACCOMMODATE (FIELD VERIFY).
- CONTRACTOR TO MODIFY EXISTING DESK MILLWORK, REFER TO 01/A4.1.
- CONTRACTOR TO INSTALL AND MOUNT EXISTING FIRE EXTINGUISHER AT NEW LOCATION.
- CONTRACTOR TO INSTALL 12" H X 36" W KICK PLATE TO MATCH EXISTING DOOR HARDWARE.
- CONTRACTOR TO CONFIRM EXISTING WALL, IN CONFERENCE ROOM 901, IS CONSTRUCTED TO DECK. IF NOT CONSTRUCT PER WALL TYPE D/ ON SHEET A5.1.



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



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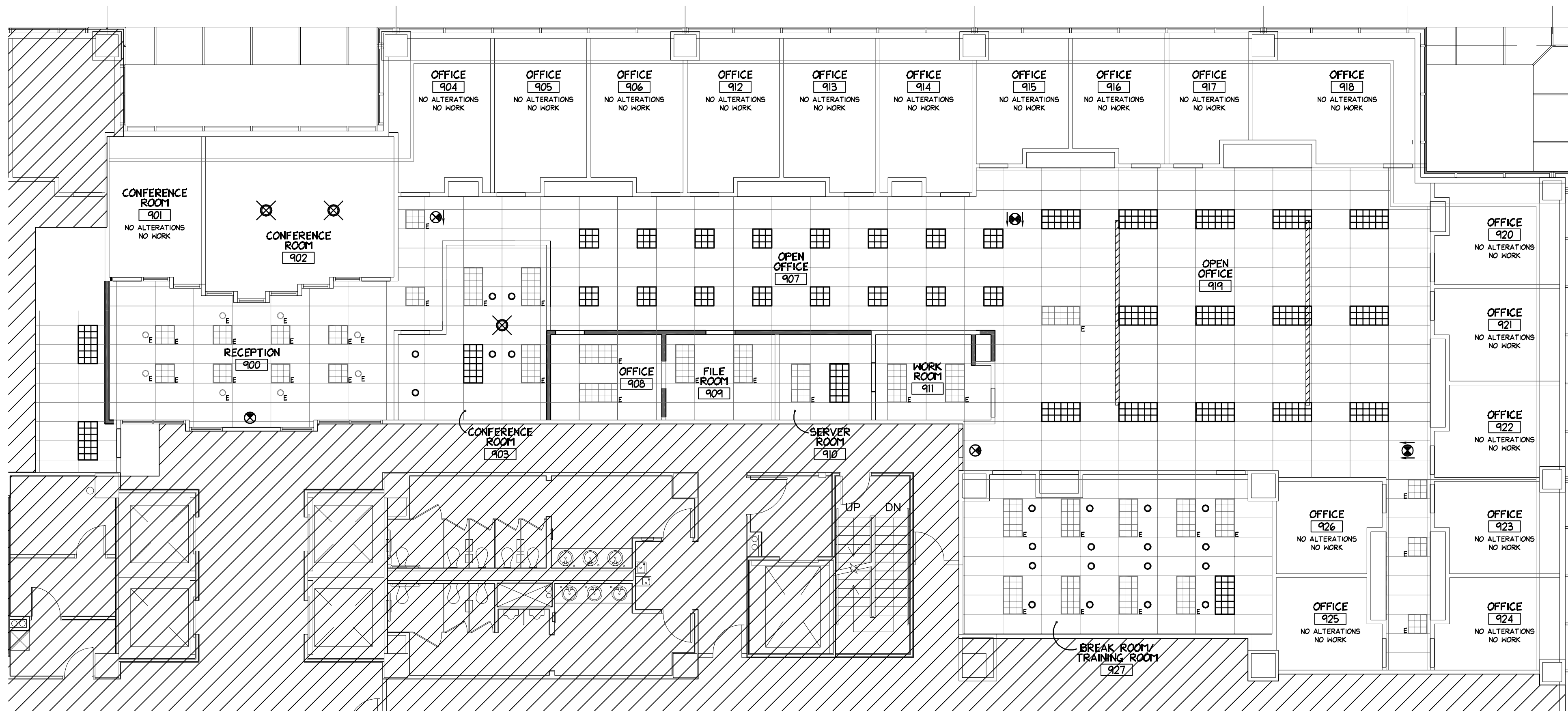
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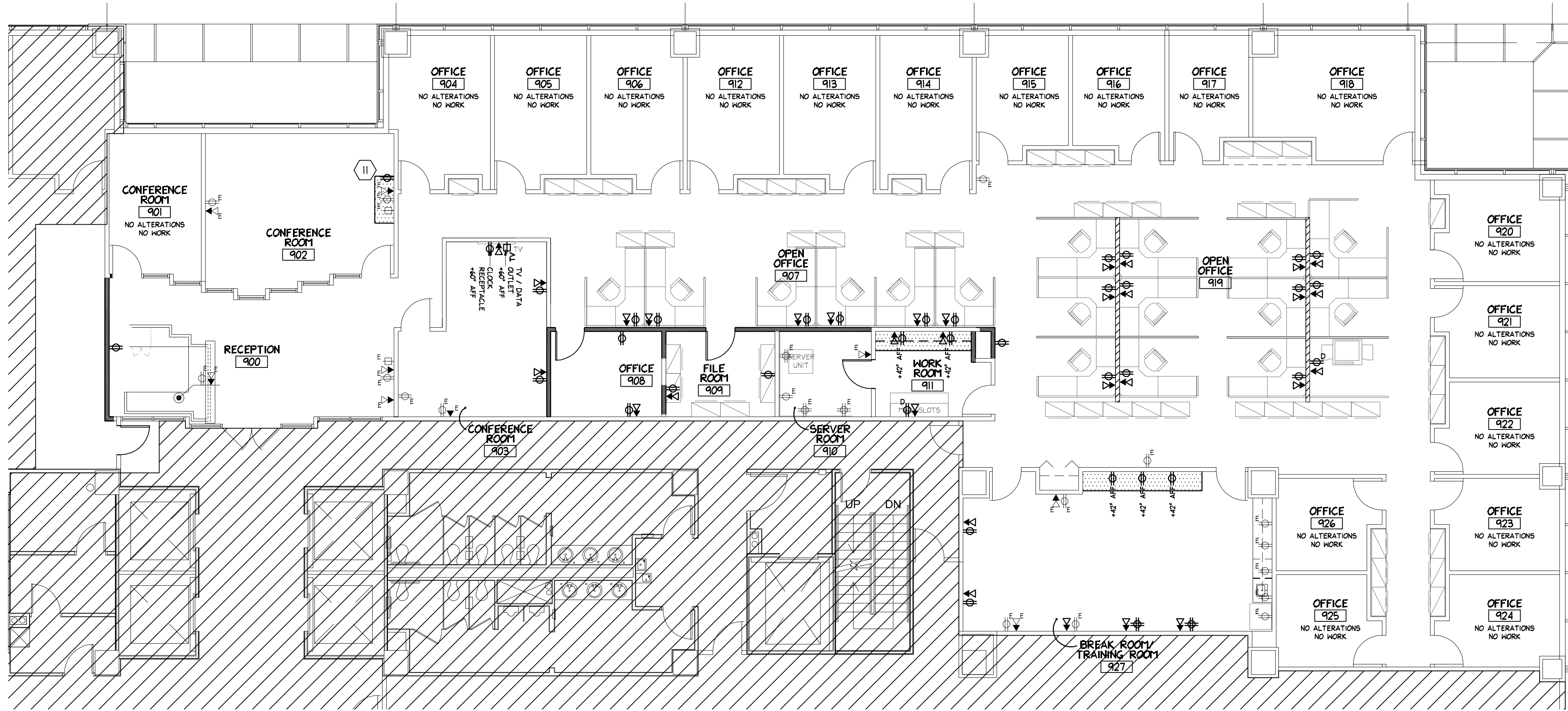
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A3.1
 CONSTRUCTION
 PLAN



02 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



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

REFLECTED CEILING LEGEND:

- 2'x4' BUILDING STANDARD FIXTURE - NEW OR RELOCATED
- 2'x4' BUILDING STANDARD FIXTURE - EXISTING TO REMAIN
- RECESSED DOWNLIGHT - NEW
- 2'x2' BUILDING STANDARD FIXTURE - NEW OR RELOCATED
- 2'x2' BUILDING STANDARD FIXTURE - EXISTING TO REMAIN
- EXIT SIGN (SEE PLANS FOR ARROW)
- LAMPS PLUS POSSINI EURODESIGN SYTLE: P0960 (EXACT LOCATION AND INSTALLATION HEIGHT TO BE DETERMINED)
- EXISTING LIGHT FIXTURE TO REMAIN
- EXISTING 2'x4' CEILING GRID TO REMAIN

REFLECTED CEILING NOTES:

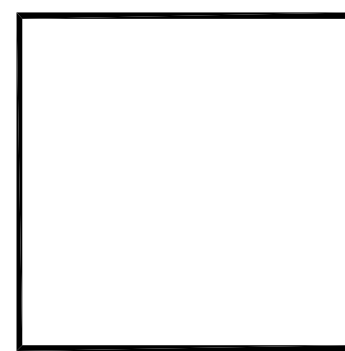
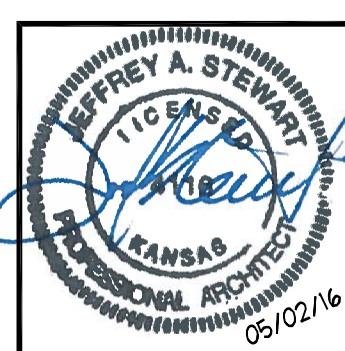
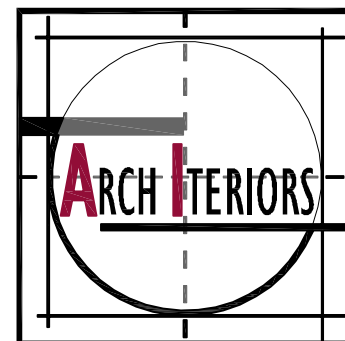
- (ALL NOTES APPLY; SPECIFIC LOCATIONS FOR NOTES ARE REFERENCED ON THE PLAN INDICATED BY "O".)
1. EXISTING CEILING GRID AND TILES TO REMAIN U.N.O. REPAIR OR REPLACE DAMAGED GRID AS REQUIRED. LEVEL GRID TO PROPER CONSISTENT HEIGHT BEFORE INSTALLATION OF TILES. DEMOLISH CEILING GRID WHERE INDICATED TO ACCOMMODATE NEW CONFIGURATION. INSTALL NEW CEILING GRID TO MATCH EXISTING WHERE INDICATED. REPLACE DAMAGED OR STAINED CEILING TILES AS REQUIRED TO ACHIEVE UNIFORM LOOK.
 2. LIGHT FIXTURE LAYOUT SHOWN IS FOR DESIGN INTENT. FINAL FIXTURE LOCATIONS MUST BE COORDINATED WITH EXISTING HVAC DUCTS, GRILLS, REGISTERS AND SPRINKLER HEADS.
 3. ALL ALARM SYSTEMS, INDICATORS, SMOKE DETECTION SYSTEMS, VISUAL AND AUDIBLE STROBES, ETC. ARE TO BE PROVIDED AS REQUIRED BY CURRENT BUILDING CODES AND ADA STANDARDS THROUGHOUT THE SPACE.
 4. CONTRACTOR TO PROVIDE BUILDING STANDARD EXIT SIGNS AS REQUIRED BY ALL APPLICABLE CODES AND FIRE MARSHALL REGULATIONS.
 5. CONTRACTOR SHALL FURNISH LABOR AND MATERIALS NECESSARY TO PROVIDE FOR RELOCATION AND INSTALLATION OF SPRINKLER HEADS TO MAINTAIN COVERAGE OF LEASE SPACE PER CODE REQUIREMENTS. NO SPRINKLER HEADS SHALL BE LOCATED WITHIN ONE FOOT OF A PARTITION AND NO SPRINKLER ESCUTCHEON SHALL TOUCH THE CEILING GRID. CONTRACTOR SHALL INSTALL SCREW-ON SPRINKLER HEAD ESCUTCHEONS. MATCH BUILDING STANDARD HEADS AND COVERS; CONTRACTOR TO INSPECT EACH EXISTING SPRINKLER HEAD WITH COVER REMOVED FOR DAMAGE. REPLACE ALL DAMAGED HEADS WITH APPROVED REPLACEMENT.
 6. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING DUCTS, GRILLS, REGISTERS, FIRE ALARMS AND SPRINKLER LOCATIONS BEFORE SUBMITTING A BID AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
 7. SUBMIT MECHANICAL SHOP DRAWINGS TO MECHANICAL ENGINEER FOR APPROVAL. SUBMIT MECHANICAL AS-BUILTS UPON COMPLETION OF PROJECT TO ARCHITECT.

ELECTRICAL LEGEND:

- DUPLEX CONVENIENCE OUTLET
- DESIGNATED DUPLEX OUTLET FOR COMPUTER (OUTLETS TO BE IDENTIFIED BY DIFFERENT DEVICE COLOR)
- DEDICATED OUTLET
- QUADRUPLUX OUTLET
- TELEPHONE, FAX, MODEM & DATA OUTLETS
- TELEVISION CABLE OUTLET
- EXISTING OUTLET TO REMAIN

ELECTRICAL NOTES:

- (ALL NOTES APPLY; SPECIFIC LOCATIONS FOR NOTES ARE REFERENCED ON THE PLAN INDICATED BY "O".)
1. ALL MATERIALS SHALL BE U.L. LISTED WHEN SUCH LISTINGS EXIST. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE BUILDING CODES, REGULATIONS AND LAWS IN FORCE AS WELL AS THE ELECTRICAL SPECIFICATIONS.
 2. CONTRACTOR SHALL INSTALL NEW ELECTRICAL DEVICES, ALONG WITH ANY SPECIAL INSTALLATION ATTRIBUTES, IN LOCATIONS SHOWN ON PLAN.
 3. ALL NEW DEVICES ARE TO BE MOUNTED AT A MINIMUM MOUNTING HEIGHT OF 15' A.F.F. TO THE BOTTOM OF THE RECEPTACLE UNLESS NOTED OTHERWISE ON PLAN. ALL ABANDONED ELECTRICAL WIRING AND VOICE/DATA CABLING TO BE REMOVED FROM BOTH WALL CAVITIES AND CEILING SPACES.
 4. CONTRACTOR TO SURVEY SPACE TO ENSURE THAT ALL DEVICE LOCATIONS AT CORE WALLS AND ANY OTHER AREAS ARE ACCESSIBLE.
 5. THE ELECTRICAL SUB-CONTRACTOR SHALL DETERMINE IN ADVANCE, FROM THE BUILDING REPRESENTATIVE, THE ADEQUACY OF THE BUILDING'S ELECTRICAL EQUIPMENT. ANY COSTS FOR ADDITIONAL PANEL BOARDS, TRANSFORMERS, ETC. SHALL BE INCLUDED IN THE BID.
 6. NEW VOICE AND DATA LOCATIONS (INDICATED ON PLAN AS) ARE TO CONSIST OF A SINGLE-GANG VERTICALLY MOUNTED PLASTER RING WITH A PULL STRING TO THE TOP OF PARTITION OVER CEILING. IN CASES OF INSULATED PARTITIONS OR LOCATIONS BELOW GLAZING, PROVIDE BACK BOX WITH 3/4" CONDUIT STUBBED UP TO TOP OF PARTITION WITH PULL STRING.
 7. TENANT TO BE RESPONSIBLE FOR INDEPENDENTLY CONTRACTING FOR THE PROVISION, INSTALLATION, TERMINATION AND TESTING OF VOICE AND DATA CABLING. TENANT'S CABLING VENDOR TO PROVIDE ALL COVER PLATES REQUIRED AND TO VERIFY THAT ALL CABLING MATERIALS ARE JACKETED AND INSTALLED IN FULL ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS.
 8. FURNITURE SHOWN FOR REPRESENTATION ONLY. FURNITURE VENDOR TO PROVIDE FINAL FURNITURE LAYOUT.
 9. ALL COVER PLATES TO BE BUILDING STANDARD FINISH.
 10. ALL EXISTING ELECTRICAL OUTLETS AND VOICE/DATA OUTLETS TO REMAIN WHERE POSSIBLE. COORDINATE DISCONNECT/RECONNECT OF OPEN PLAN WORKSTATION POWER WITH TENANT'S FURNITURE VENDOR.
 11. NEW ELECTRICAL / DATA OUTLETS TO BE INSTALLED IN WALL BEHIND CREDENZA.



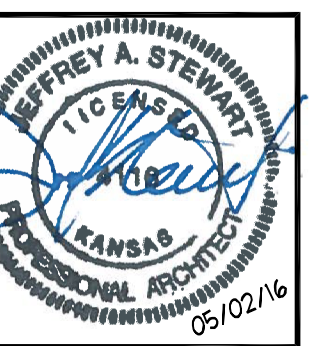
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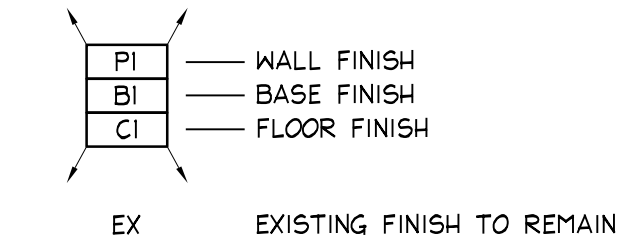
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A3.2
TELE/ELEC/DATA-
CEILING PLAN



LEGEND

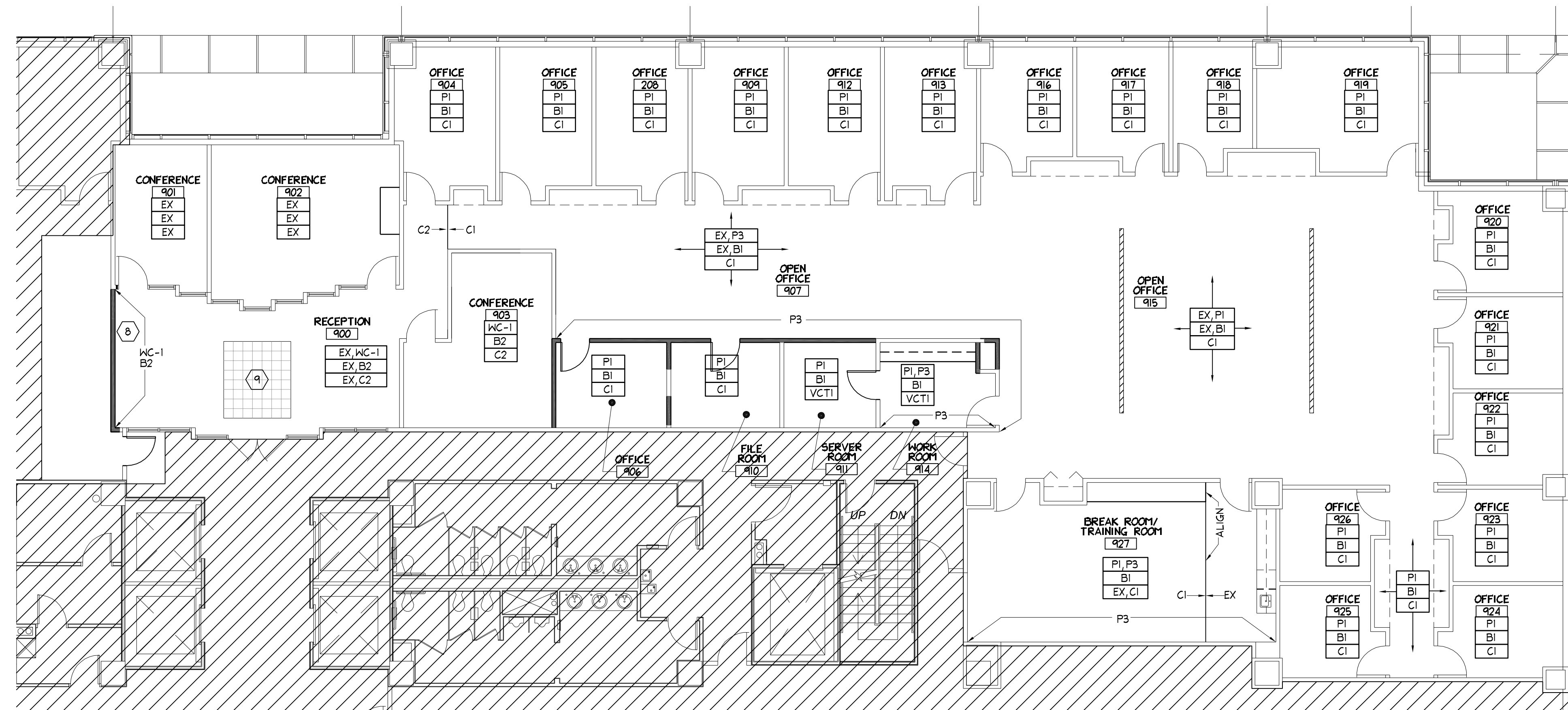


FINISH SCHEDULE:

- | | |
|---|---|
| CARPET- | WALLCOVERING- |
| C1- SHAW CONTRACT GROUP
STYLE: HAZE TILE
COLOR: WHISPER
INSTALLATION METHOD:
HERRINGBONE
(CONTACT CARI JOHNSON AT
214-616-7362) | WCI- VNC-1:
NATIONAL WALLCOVERING
STYLE: NWC-2700917
(CONTACT AMY NORRIS AT
214.697.3556) |
| C2- MANUFACTURER: INVISION
STYLE: IMPACT-TILE
COLOR: 1456 MEET
INSTALL. METHOD: MONOLITHIC
(CONTACT JOSH BISHOP AT
817.320.3952) | PLASTIC LAMINATE- |
| BASE- | PL1- PIONITE
AV250 - PASSIN THROUGH SUEDE |
| B1- ROPPE
193 BLACK BROWN
RUBBER BASE | PL2- FORMICA
7008-43 ACAJOU MAHOGANY
ARTISAN FINISH |
| B2- WOOD: TO MATCH EXISTING
SPECIFICATIONS | PL3- TO BE DETERMINED (RECEPTION
DESK ALTERNATE) |
| VINYL COMPOSITION TILE- | PL4- TO BE DETERMINED (RECEPTION
DESK ALTERNATE) |
| VCT- MANNINGTON
TOUCHSTONE, SANDRIFT 9137 | PL5- TO BE DETERMINED (RECEPTION
DESK ALTERNATE) |
| PAINT- | STAINED- |
| P1- BENJAMIN MOORE
OC-10 WHITE SAND
LATEX EGGSHELL
GENERAL PAINT | ST1- STAIN TO MATCH DOORS IN SUITE |
| P2- TO MATCH EXISTING
SPECIFICATIONS
DOOR JAMB PAINT | |
| P3- SHERWIN WILLIAMS
SW7604 SMOKY BLUE
LATEX EGGSHELL FINISH | |

FINISH NOTES:

- (ALL NOTES APPLY. SPECIFIC LOCATIONS FOR NOTES ARE REFERENCED ON THE PLAN INDICATED BY "O".)
- CONTRACTOR TO PROVIDE FINISH SAMPLES TO ARCHITECT FOR APPROVAL.
 - TRANSITION OF FLOORING TO OCCUR UNDER DOOR, WHEN DOOR IS CLOSED.
 - IF SPECIFIED FLOORING IS DIFFERENT HEIGHTS, CONTRACTOR RESPONSIBLE TO "FLOAT" FLOORING TO ALIGN.
 - CONTRACTOR TO PROVIDE A 4'-0" X 4'-0" PAINT SAMPLE TO CLIENT FOR APPROVAL.
 - CONTRACTOR TO PAINT NEW AND TOUCH UP EXISTING DOOR FRAMES (P2).
 - ANY NEW DOORS TO BE STAINED TO MATCH EXISTING, UNLESS OTHERWISE NOTED.
 - IN ROOMS THAT INDICATE THE INSTALLATION OF (VCTI), (VCTI) TO BE INSTALLED EQUAL TO WALLS.
 - CONTRACTOR TO INSTALL WOOD BASE TO MATCH EXISTING IN ADJACENT AREA.
 - EXISTING MARBLE TO REMAIN.



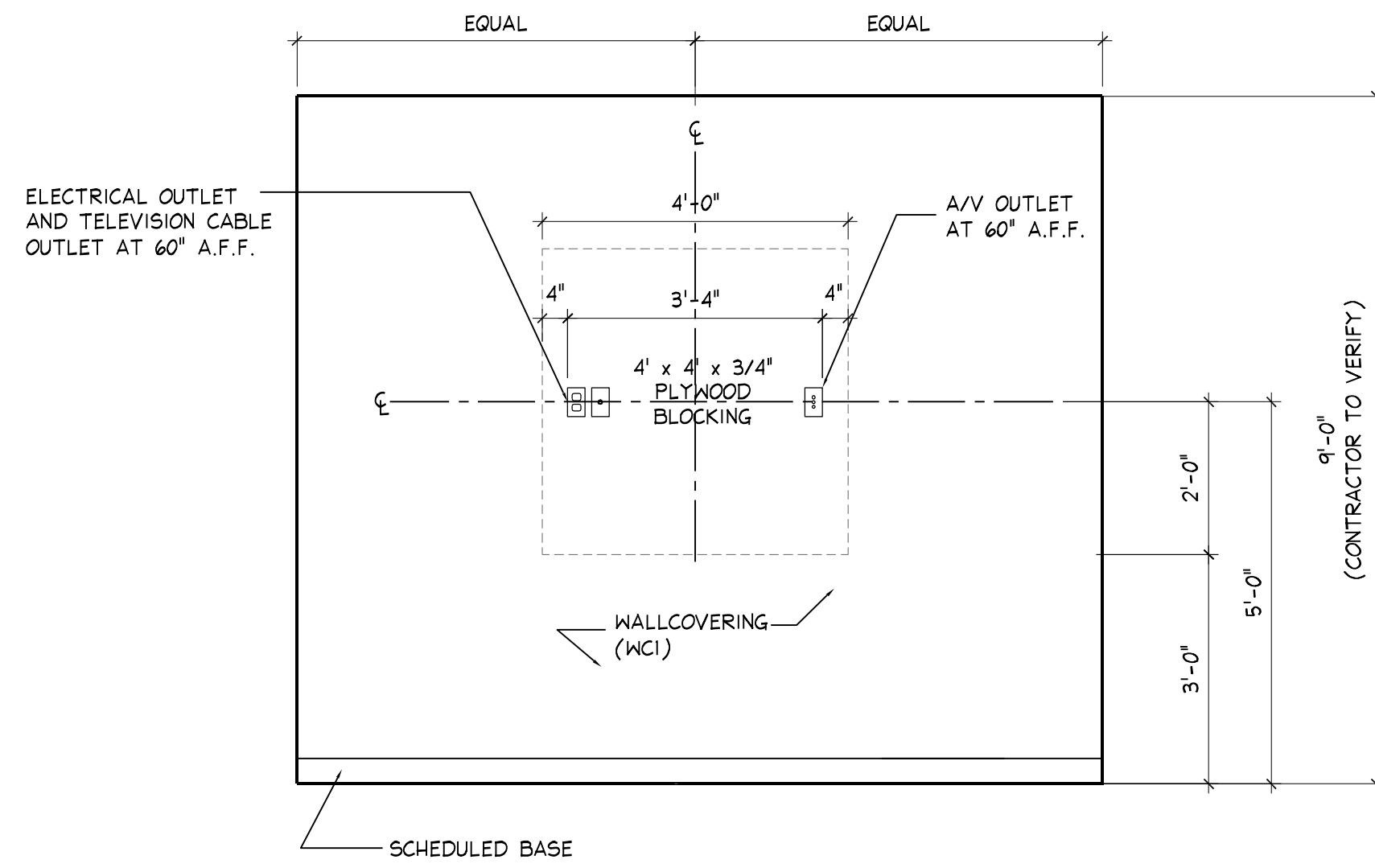
01 FINISH PLAN
SCALE: 1/8" = 1'-0"

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ENGINEER **TYLIN INTERNATIONAL** 255 East Avenue, Rochester, NY 14604, (585) 512-2000

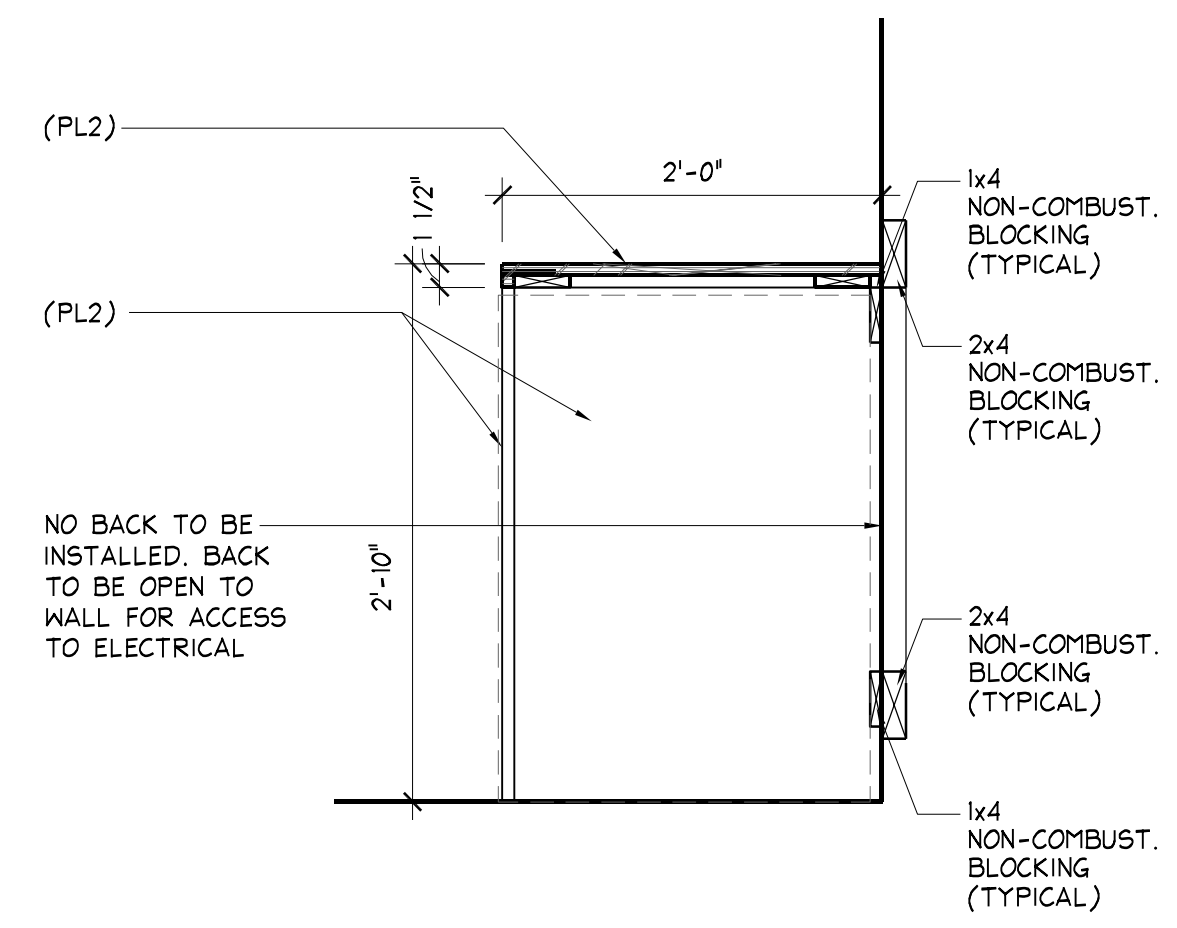
LFA **OVERLAND PARK Lincoln** Financial Advisors
10851 MASTIN STREET
SUITE 950
OVERLAND PARK, KS 66210

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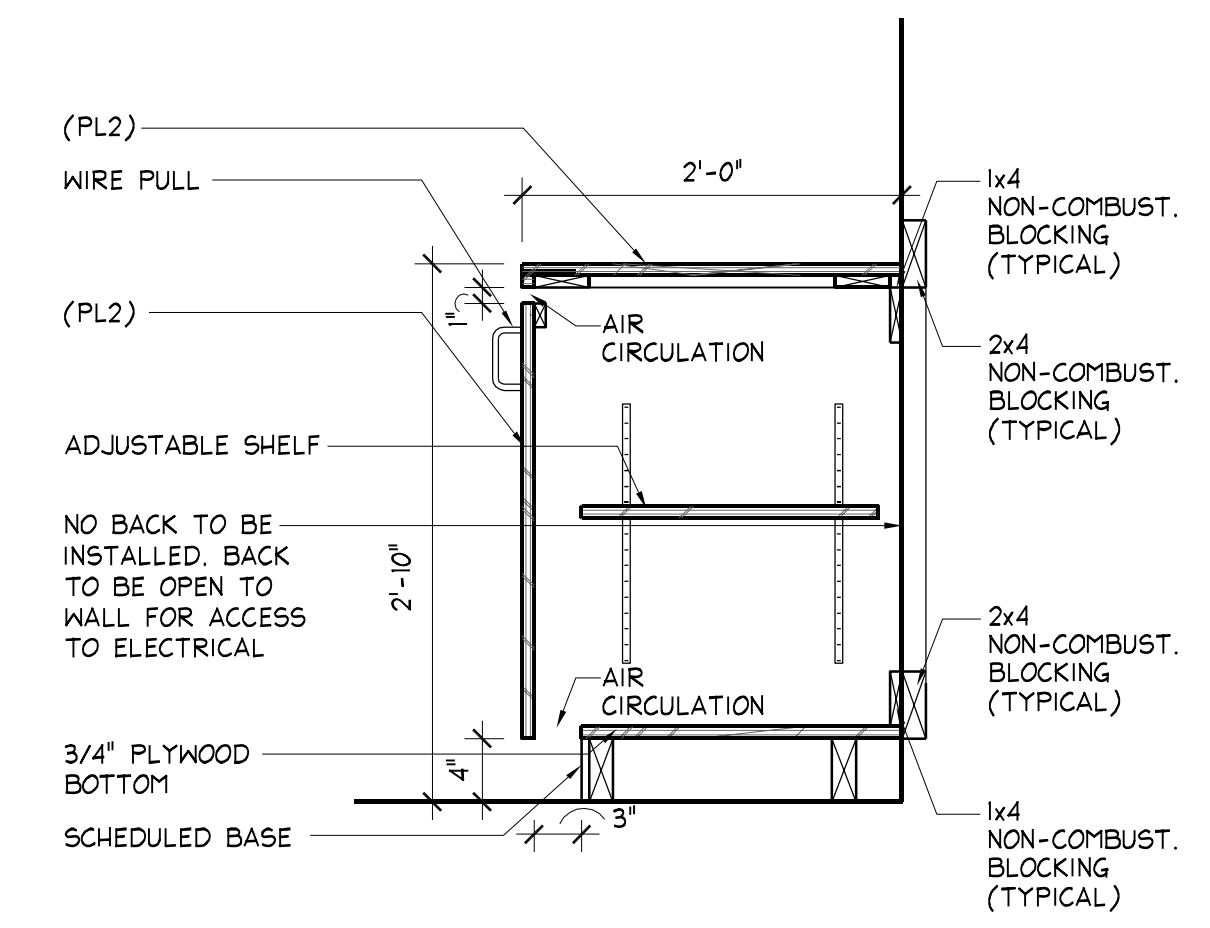
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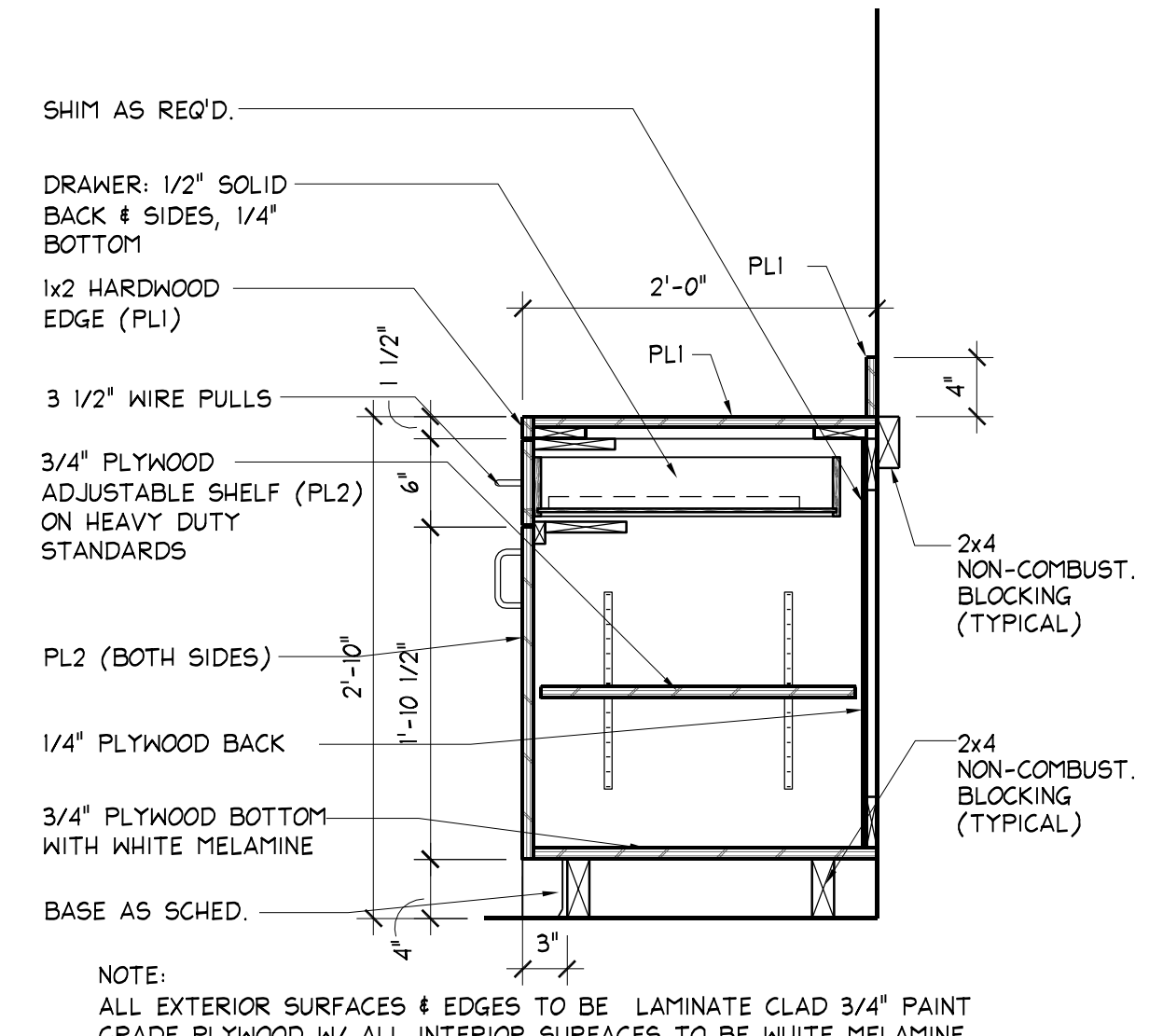
07 CONFERENCE ROOM 903
 SCALE: 1/2" = 1'-0"



06 SECTION FOR CREDENZA
 SCALE: 1" = 1'-0"

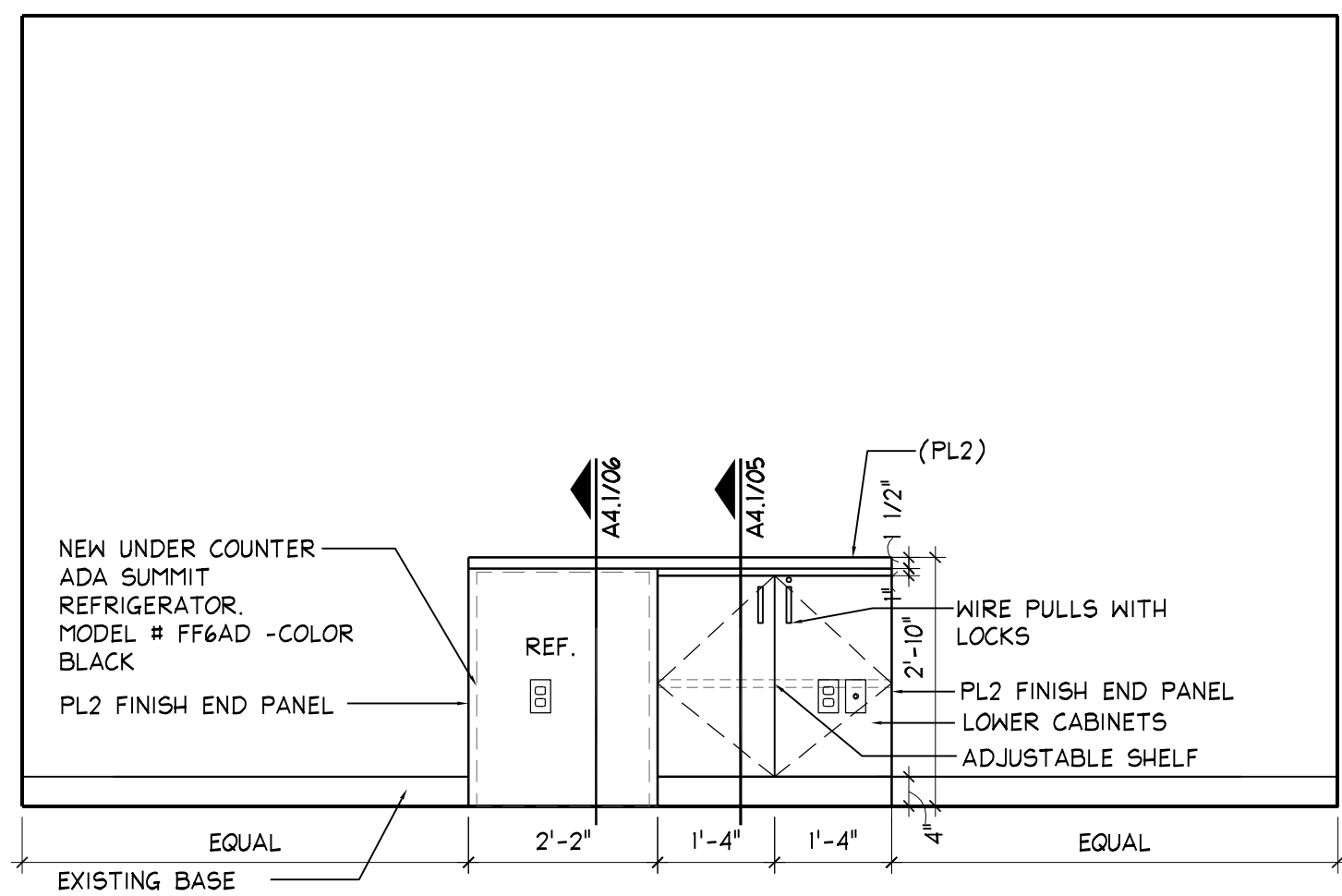


05 SECTION FOR CREDENZA
 SCALE: 1" = 1'-0"

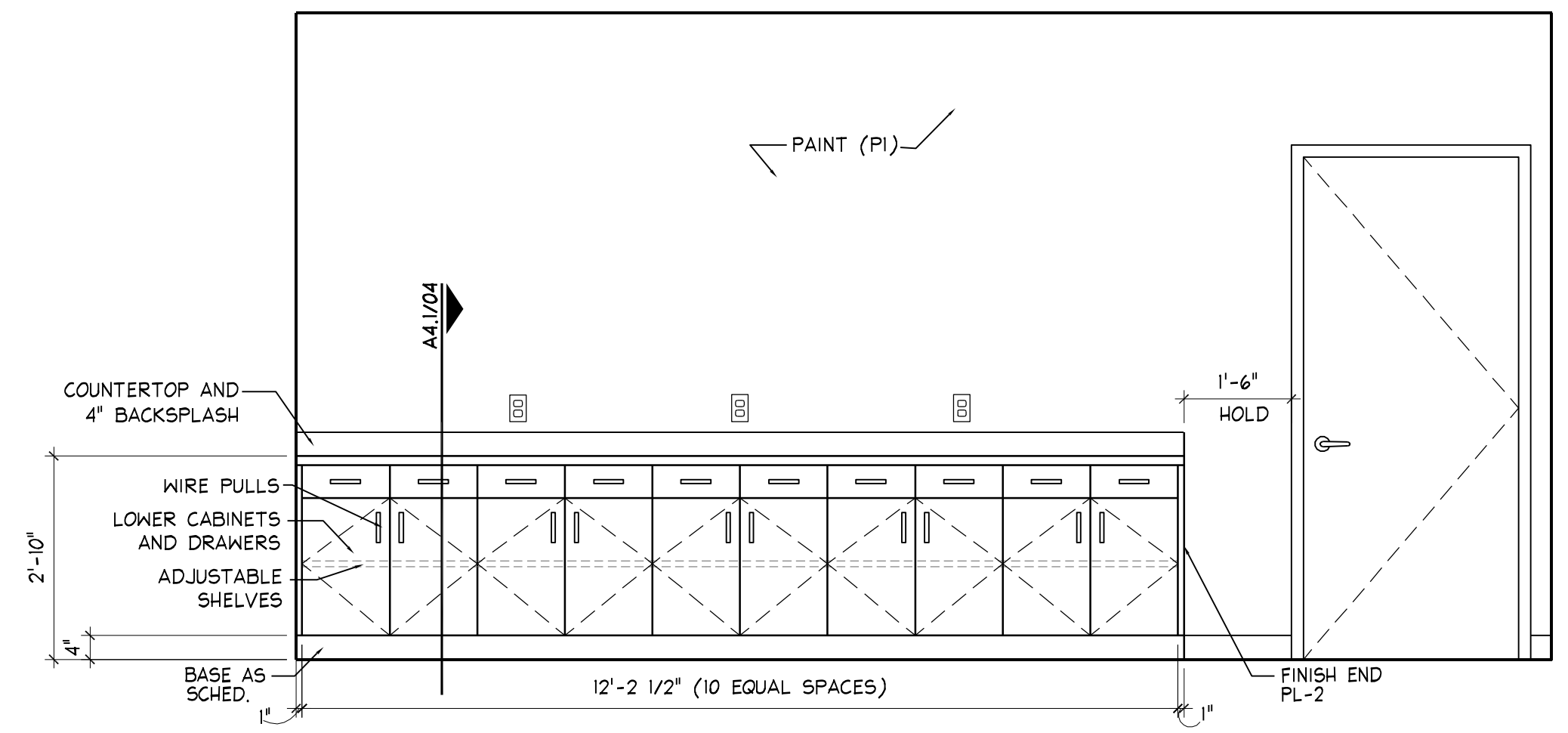


04 SECTION AT CABINET
 SCALE: 1" = 1'-0"

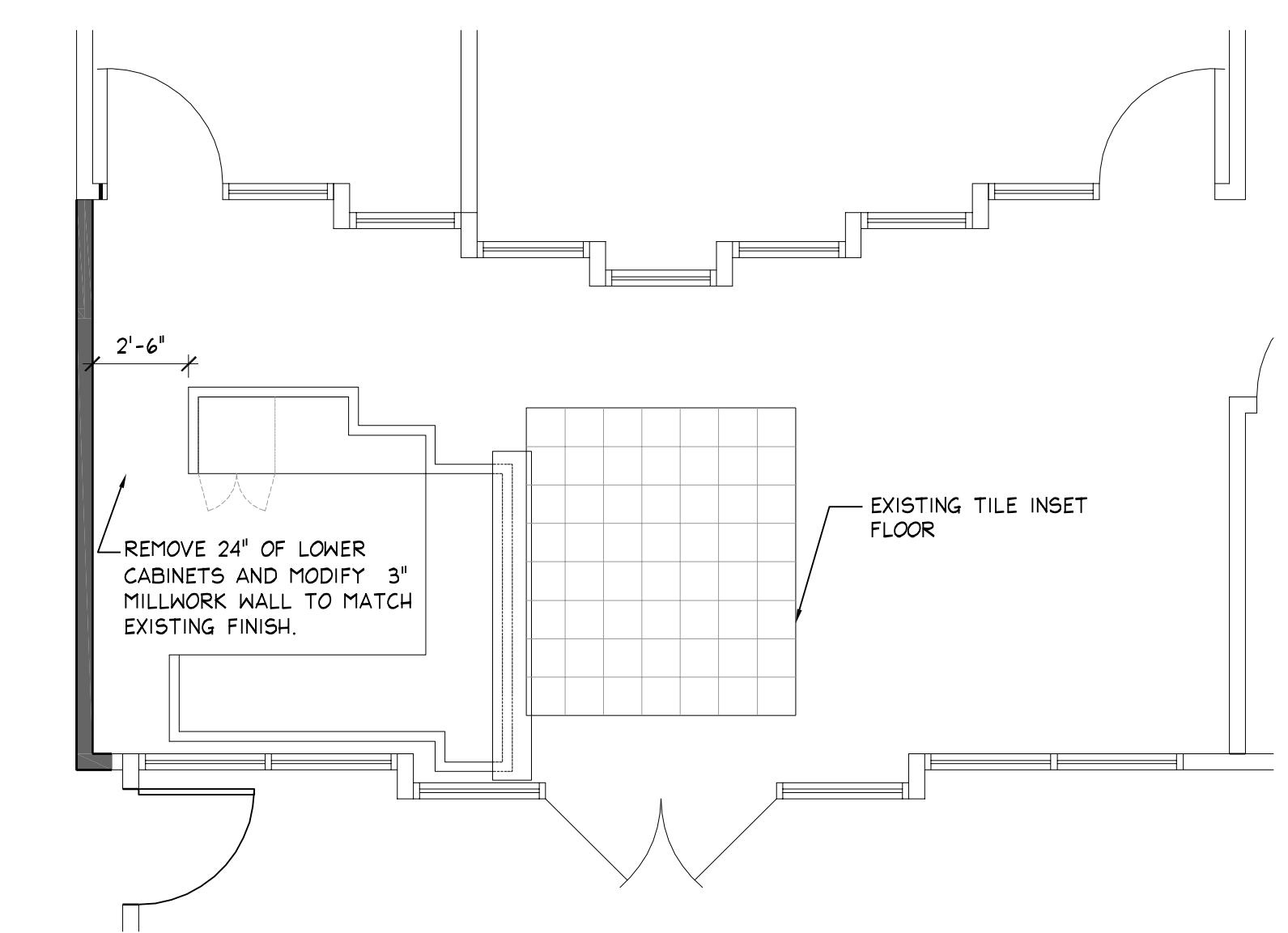
NOTE:
 ALL EXTERIOR SURFACES & EDGES TO BE LAMINATE CLAD 3/4" PAINT GRADE PLYWOOD W/ ALL INTERIOR SURFACES TO BE WHITE MELAMINE U.N.O.



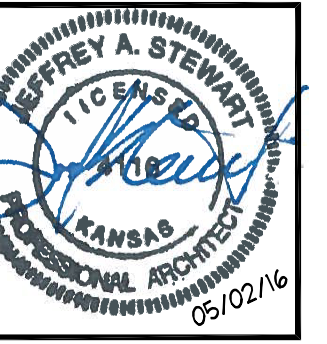
03 CONFERENCE ROOM 902
 SCALE: 1/2" = 1'-0"



02 BREAK ROOM / TRAINING ROOM
 SCALE: 1/2" = 1'-0"



01 RECEPTION DESK
 SCALE: 1/4" = 1'-0"



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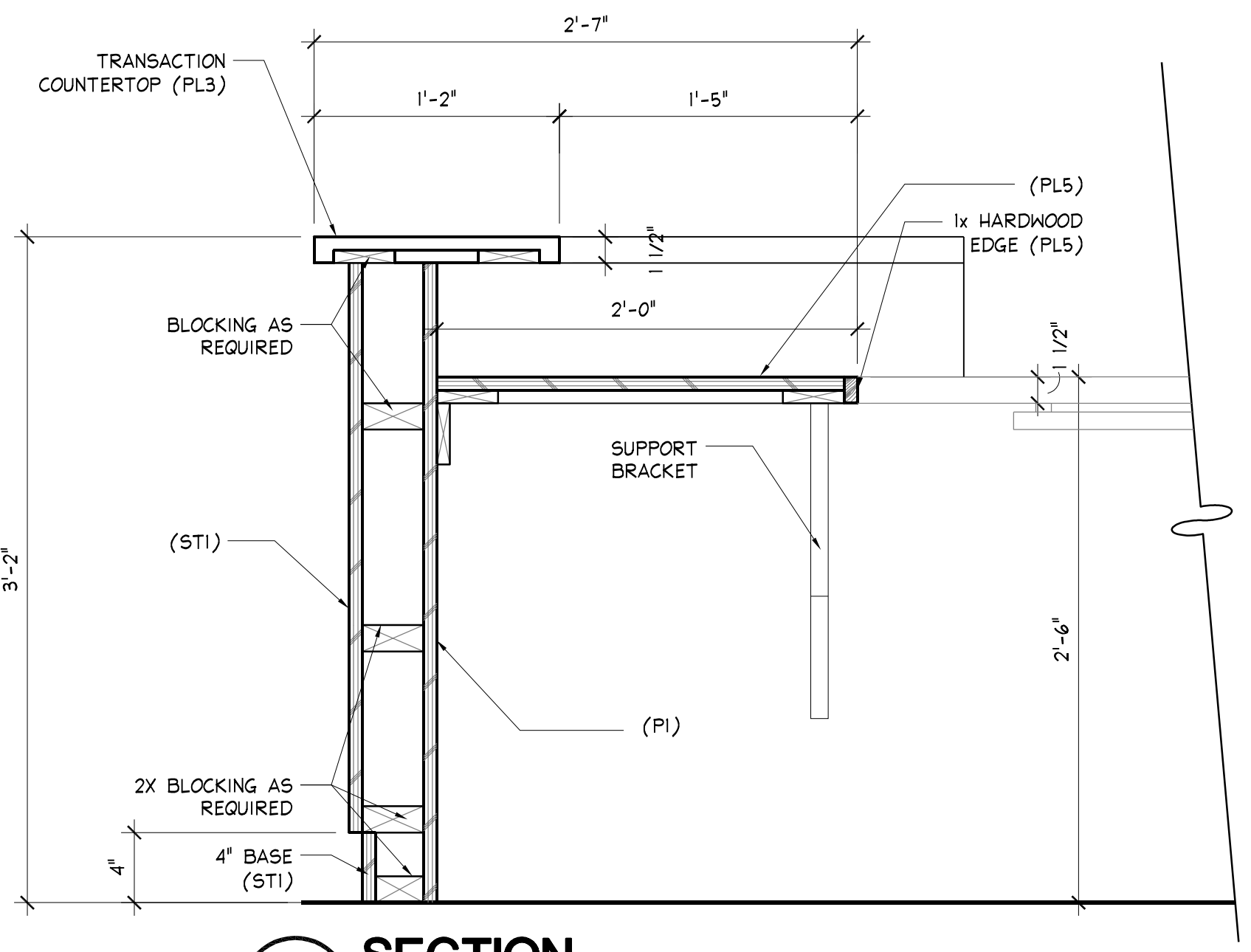
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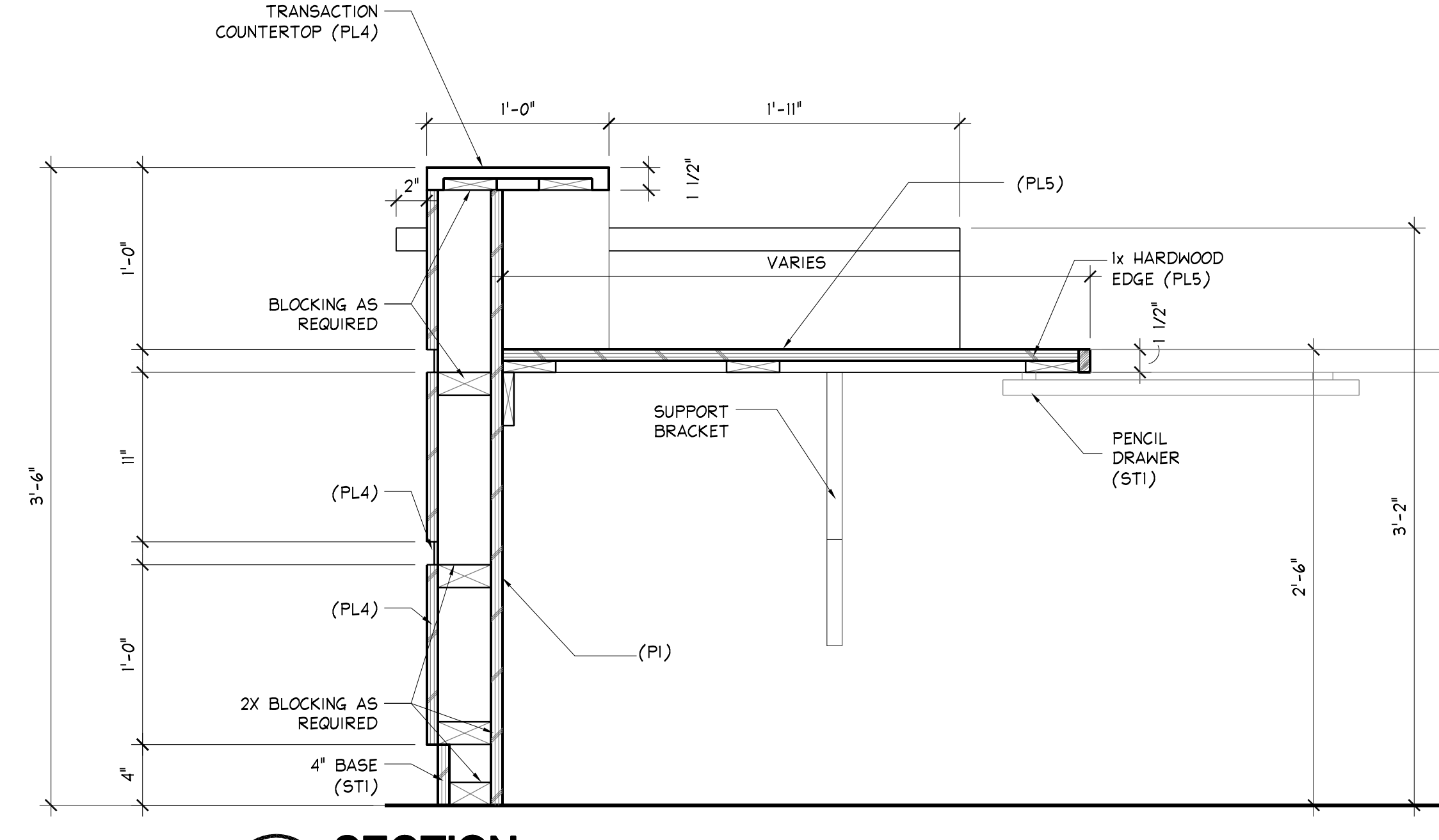
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A4.2
 INTERIOR
 ELEVATIONS &
 SECTIONS

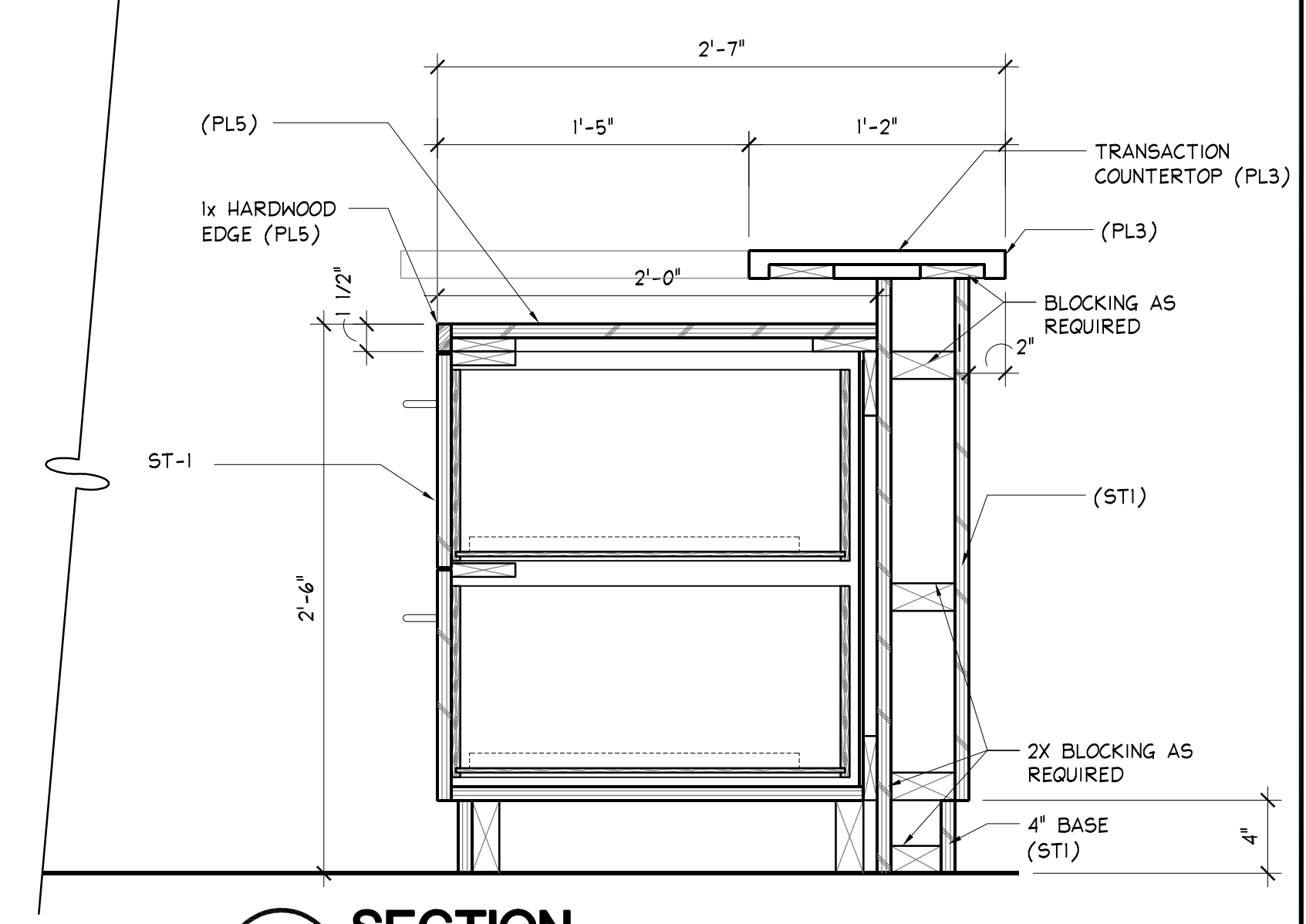
ADD ALTERNATE #1



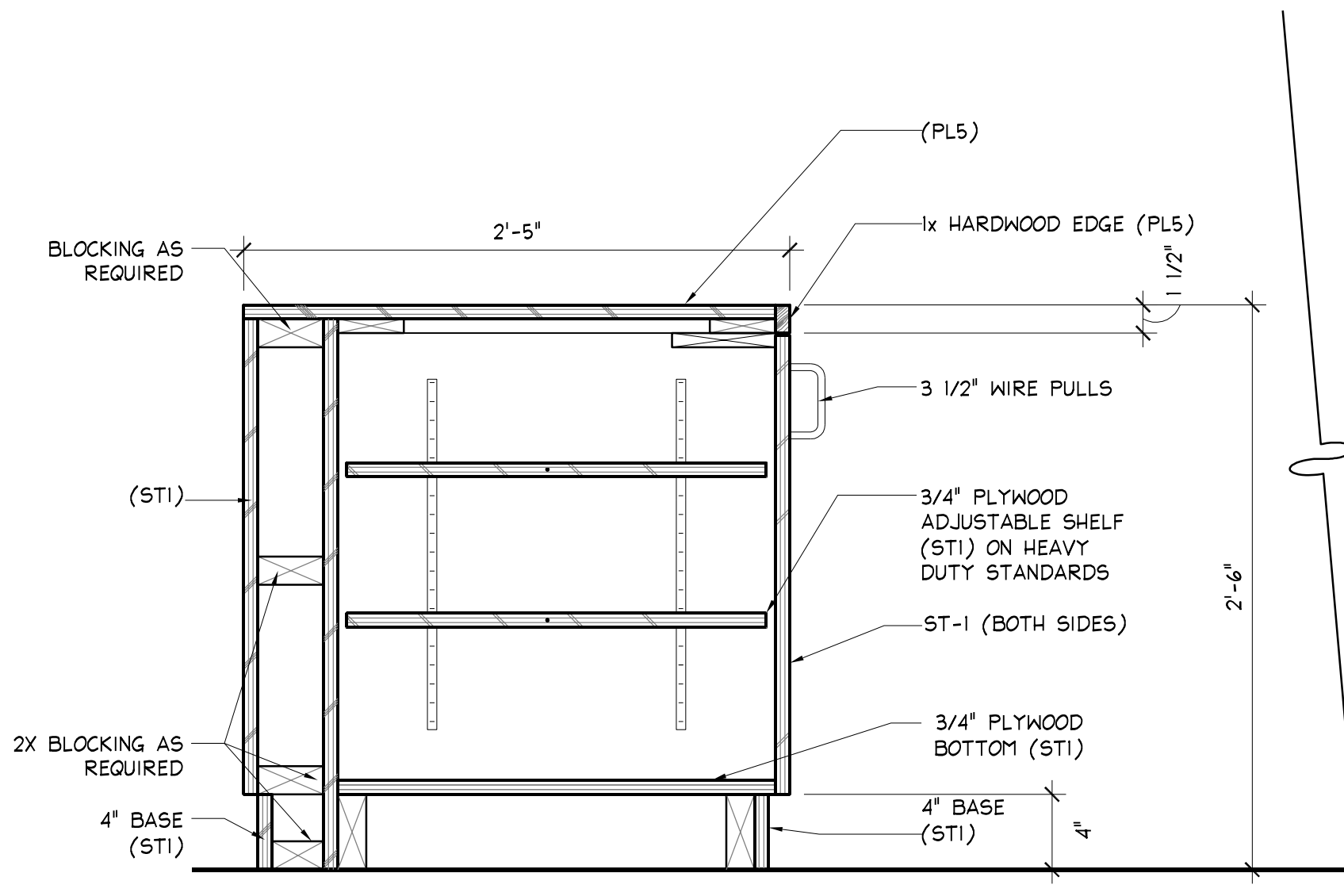
09 SECTION
 SCALE: 1-1/2"=1'-0"



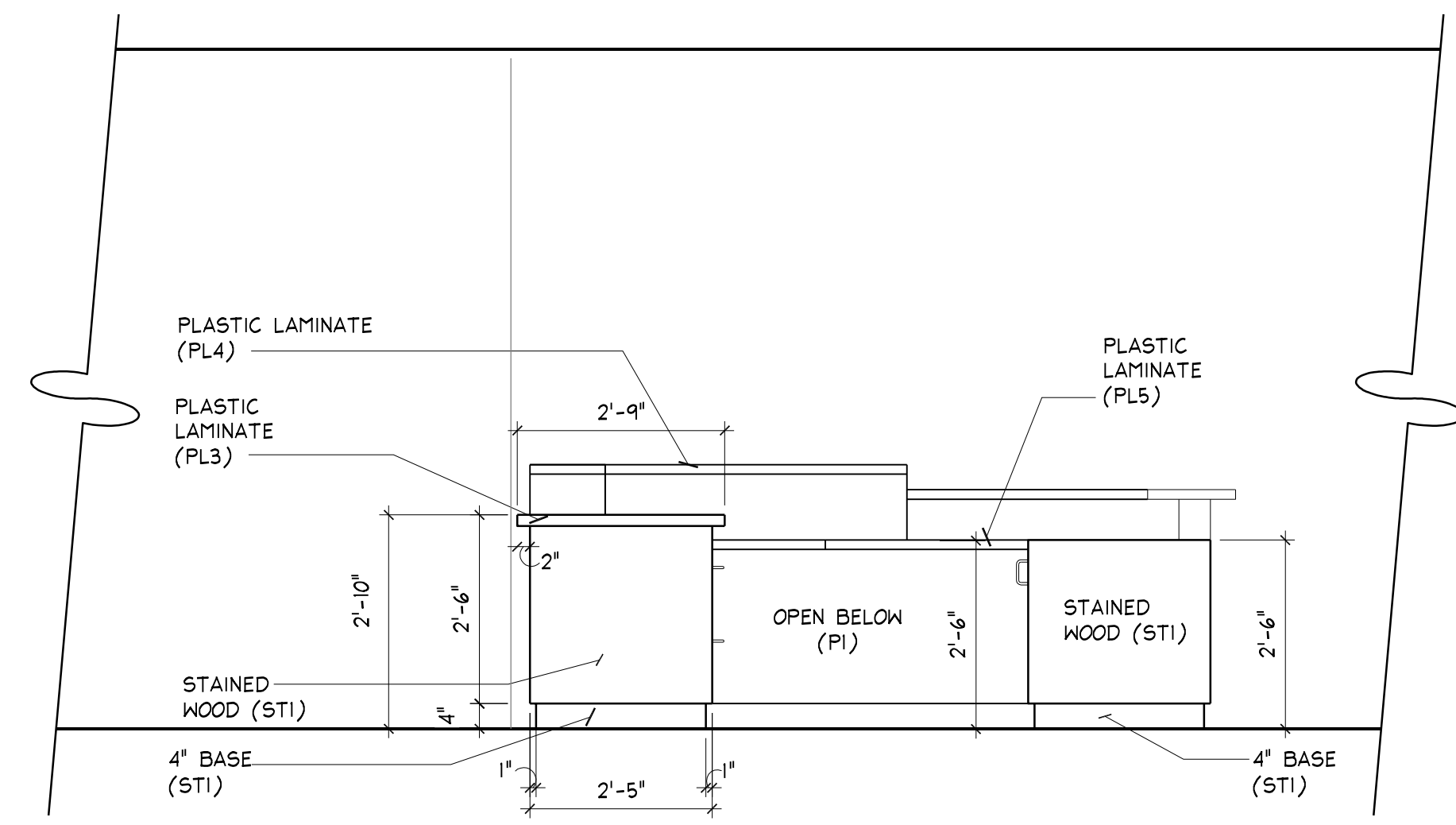
08 SECTION
 SCALE: 1-1/2"=1'-0"



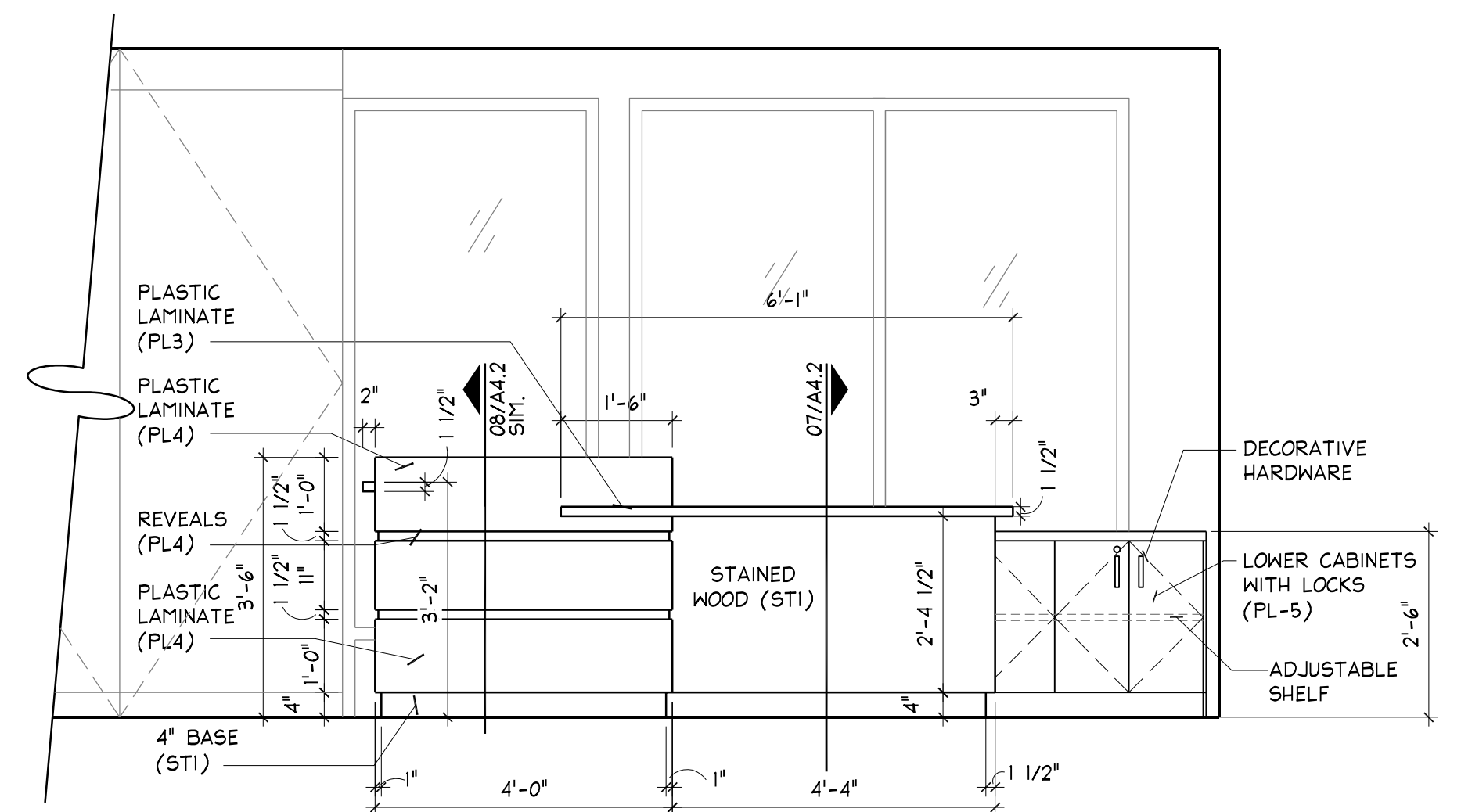
07 SECTION
 SCALE: 1-1/2"=1'-0"



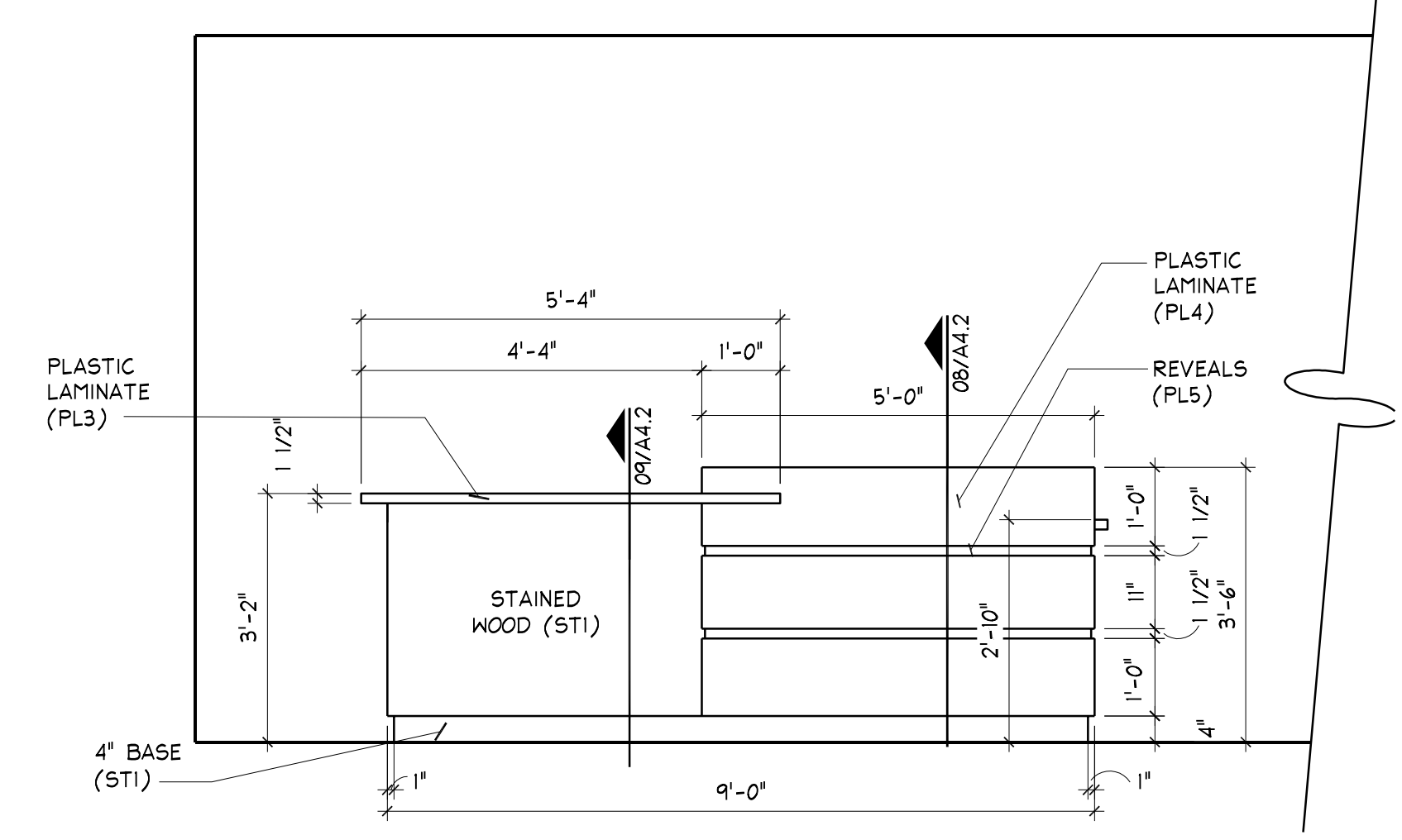
06 SECTION
 SCALE: 1-1/2"=1'-0"



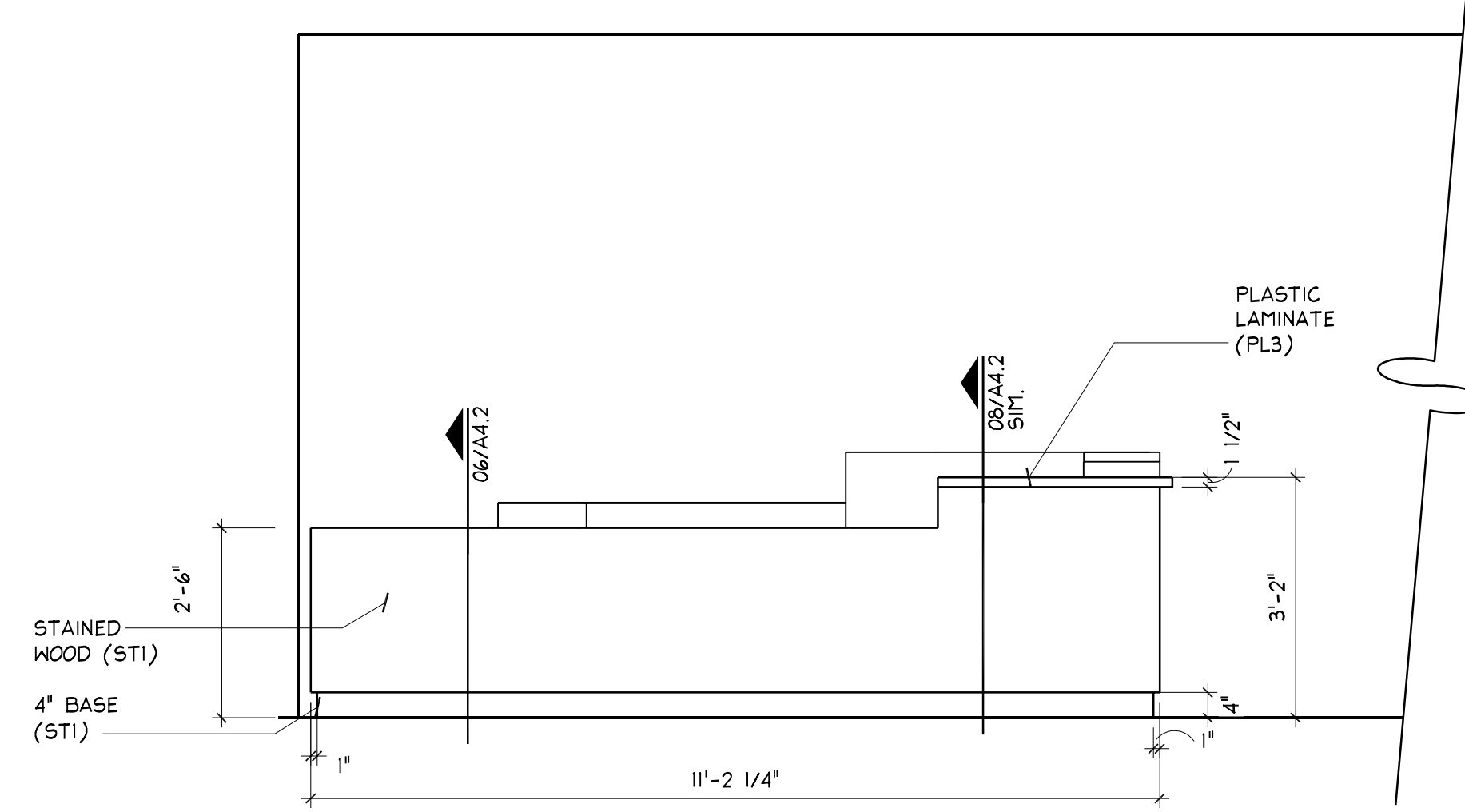
05 ELEVATION
 SCALE: 1/2"=1'-0"



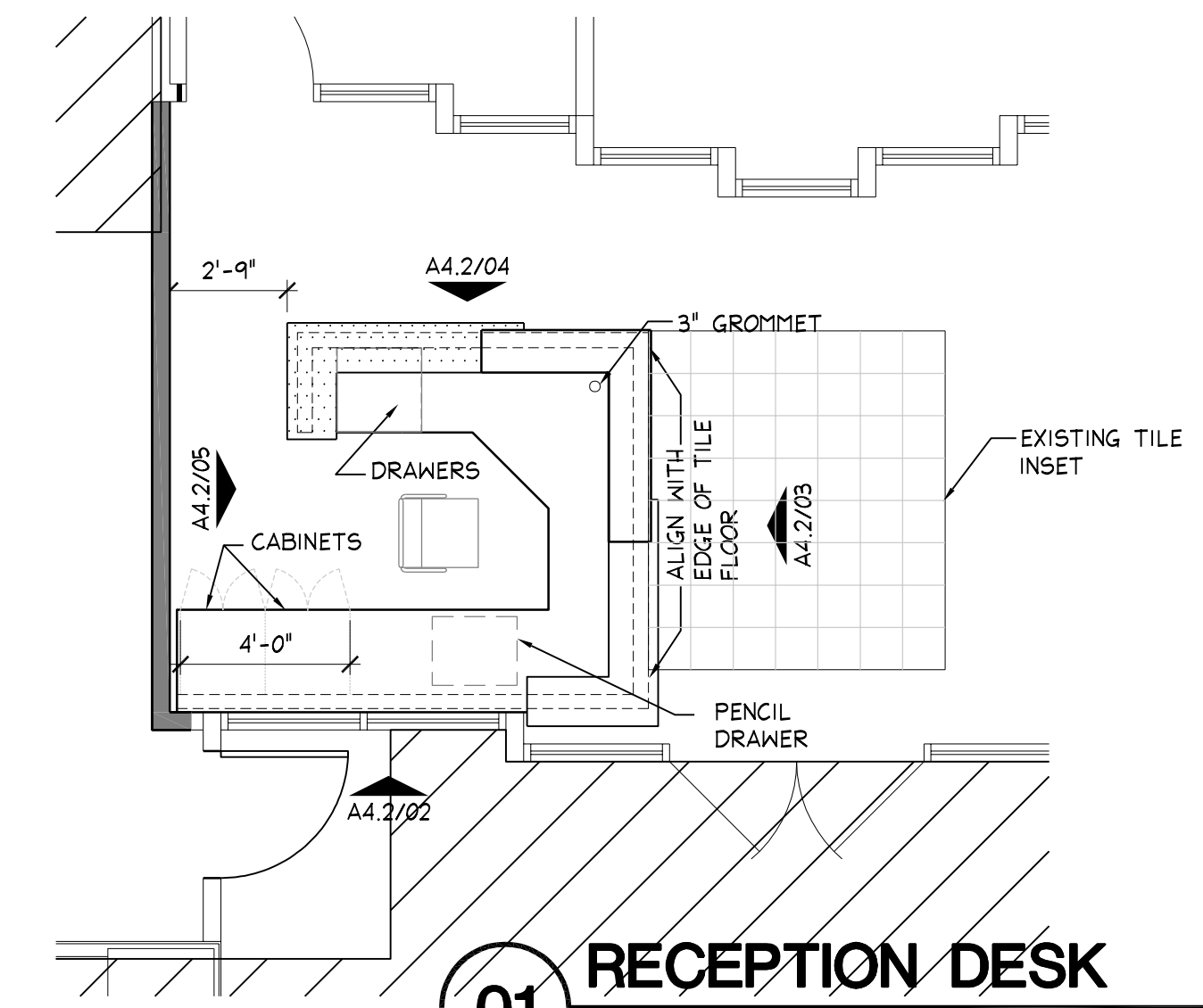
04 ELEVATION
 SCALE: 1/2"=1'-0"



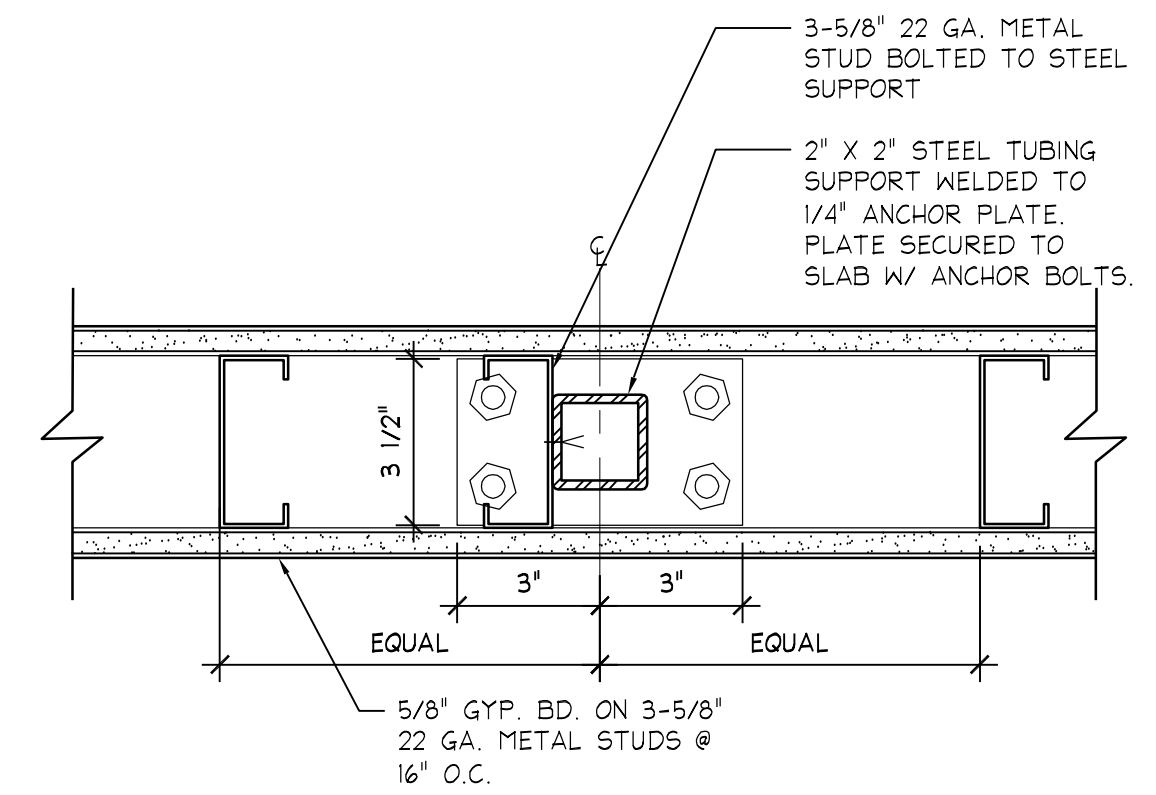
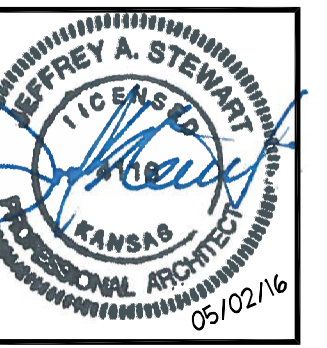
03 ELEVATION
 SCALE: 1/2"=1'-0"



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



01 RECEPTION DESK
 SCALE: 1/4" = 1'-0"



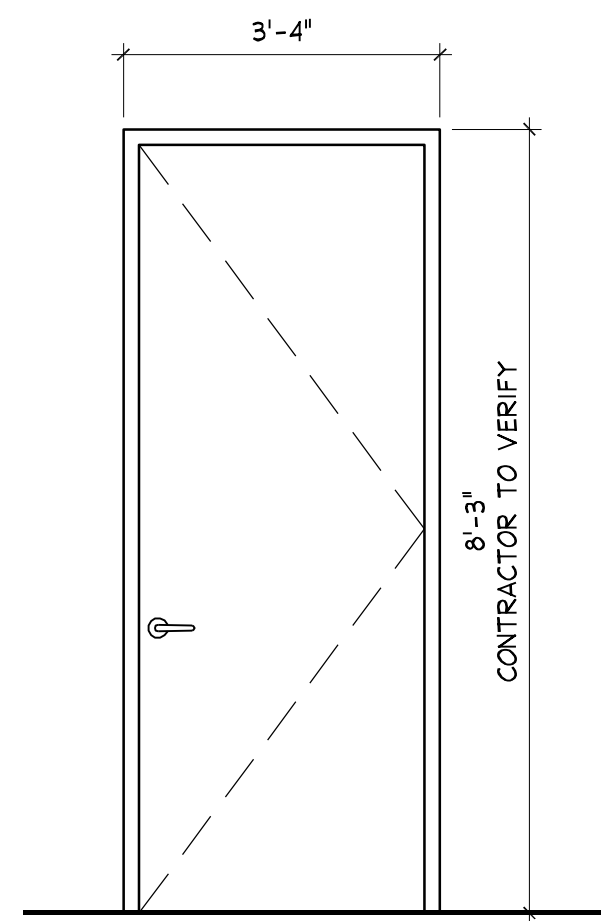
04 SECTION OF WALL TYPE C
SCALE: 3" = 1'-0"

NOTES

- EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
- DOORS TO BE KEYPED AS FOLLOWS:
*(1) TENANT MASTER
*(2) GRAND MASTER
- DOOR HARDWARE TO BE BUILDING STANDARD SPECIFICATION.
- CONTRACTOR TO INSTALL NEW OFFICE LOCKSETS ALL EXISTING OFFICE (18 TOTAL).
- CONTRACTOR TO INSTALL NEW WALL MOUNTED DOOR STOP, TYPICAL THROUGHOUT.
- CONTRACTOR TO VERIFY EXISTING DOORS HAVE HARDWARE INDICATED BY "O", IF NOT, INSTALL PER BUILDING STANDARD SPECIFICATION.

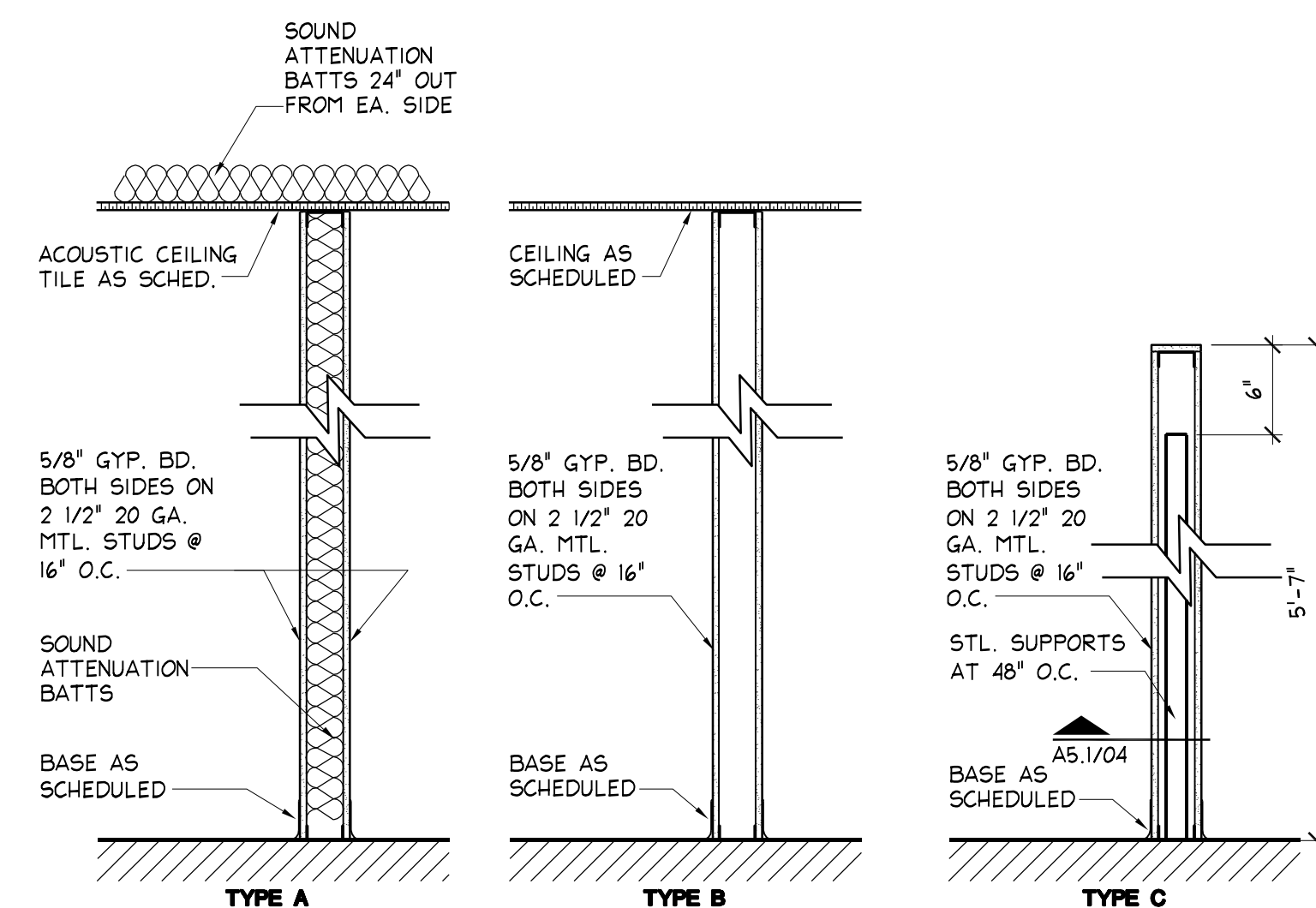
NO.	ROOM NAME	TYPE	MATERIAL	DOOR SIZE	FRAME	HINGES	OFFICE FUNCTION LOCKSET	STOREROOM LOCKSET	FUNCTION LOCKSET	FUNCTION LOCKSET HARDWARE SET	LEVER HANDLE CLOSER	CONCEALED CLOSER	COAT HOOK	CARD READER	ELECTRIC STRIKE	PUSH/PULL HARDWARE	MAGNETIC LOCK	NOTES
903	CONFERENCE ROOM	EX	EXISTING	EXISTING	EXISTING	●	●											EXISTING DOOR & HARDWARE TO REMAIN
906	OFFICE	A	EXISTING	EXISTING	EXISTING	●	●											RELOCATE LOCKSET HARDWARE FROM EXISTING OFFICE
910	FILE ROOM	A	EXISTING	EXISTING	EXISTING	●		●										RELOCATE DOOR & LOCKSET HARDWARE FROM EXISTING SURPLUS DOORS
911	SERVER ROOM	A	EXISTING	EXISTING	EXISTING	●												RELOCATE EXISTING DOOR W/ VENT AND LOCKSET HARDWARE
914	WORK ROOM	EX	EXISTING	EXISTING	EXISTING	●												RELOCATE DOOR & HARDWARE FROM EXISTING SURPLUS DOORS
928	SEPARATE SUITE																	CONFIRM DOOR, HARDWARE AND FRAME SPECIFICATIONS WITH LANDLORD

03 DOOR SCHEDULE
SCALE: N.T.S.



A
RELOCATED OR NEW BUILDING STANDARD SOLID CORE WOOD DOOR IN HOLLOW METAL FRAME

02 DOOR TYPE
SCALE: 1/2" = 1'-0"

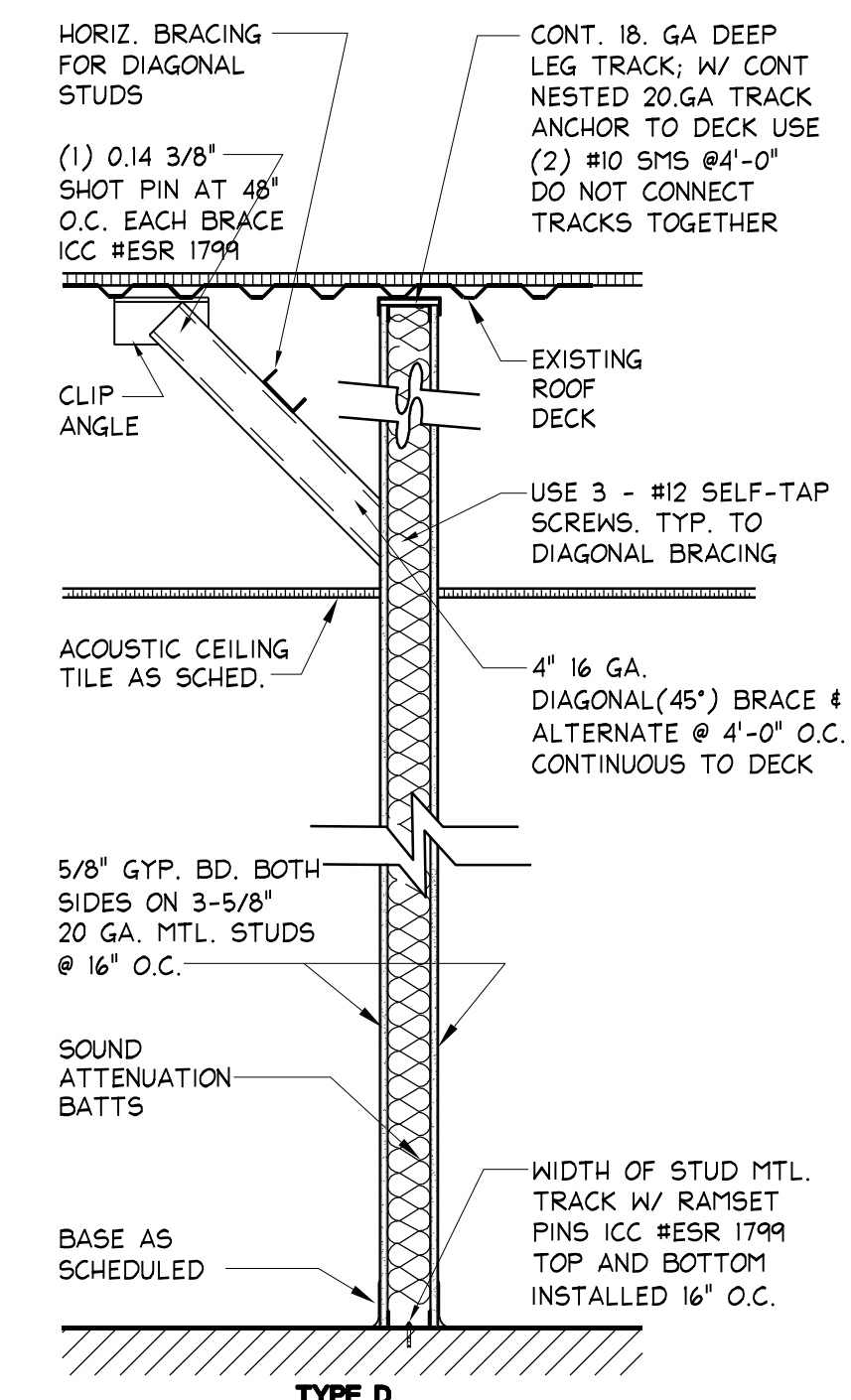


TYPE A
3 5/8" 20 GA. METAL STUDS @ 16" O.C. TO CEILING W/ 5/8" GYP. BD. EACH SIDE; SOUND BATT'S IN WALL & ABOVE CLG.

TYPE B
3 5/8" 20 GA. METAL STUDS @ 16" O.C. TO CEILING W/ 5/8" GYP. BD. EACH SIDE

TYPE C
3 5/8" 20 GA. METAL STUDS @ 16" O.C. TO CEILING W/ 5/8" GYP. BD. EACH SIDE

01 WALL PARTITION TYPES
SCALE: 3/4" = 1'-0"



D
3-5/8" STUD WALL TO DECK W/ 5/8" GYP. BD. EACH SIDE

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A5.1
WALL TYPES,
DOOR TYPES,
DOOR SCHEDULE