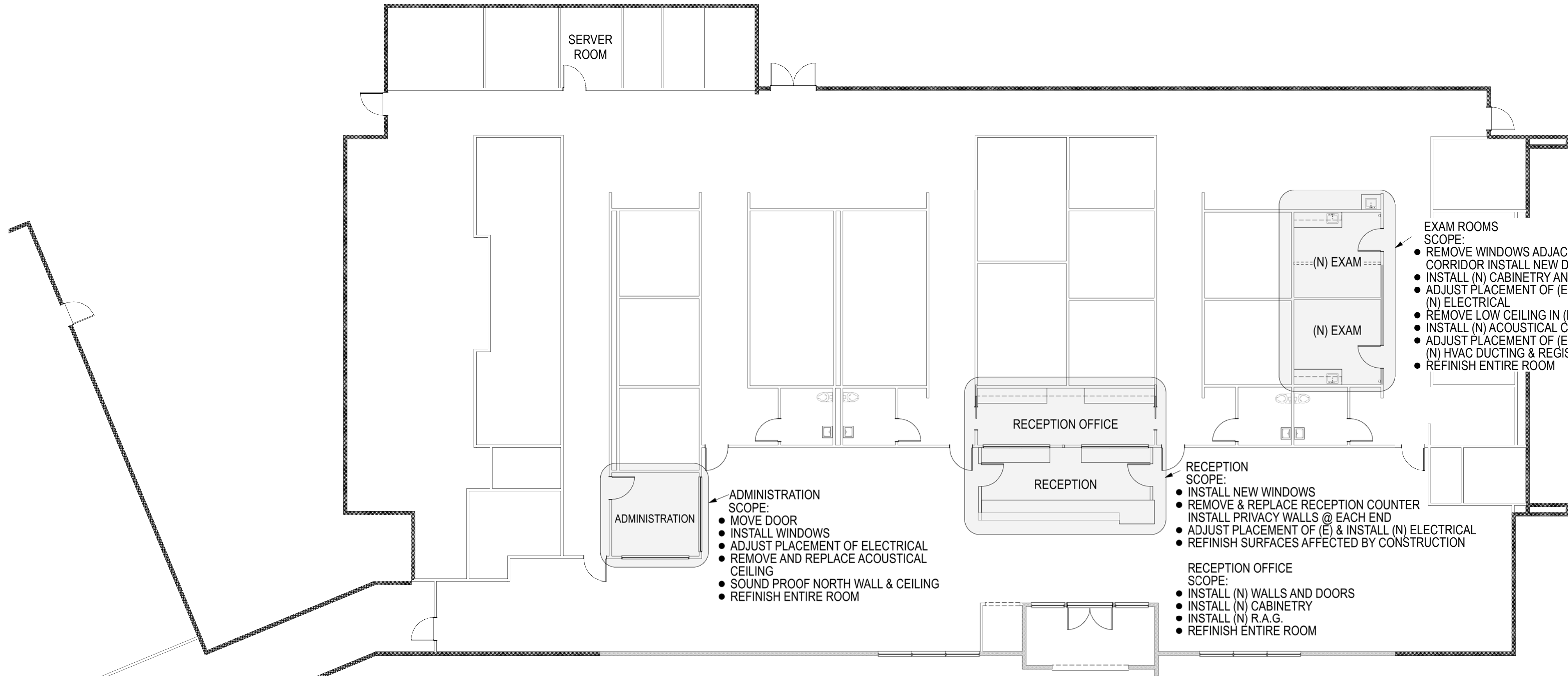




KEY PLAN 1" = 10'- 0"

ABBREVIATIONS:	
APPROX.	APPROXIMATELY
A.T.	ARCH TOP
BLDG.	BUILDING
BLK.	BLOCK
BM.	BEAM
CLG.	CEILING
CLR.	CLEAR
CONC.	CONCRETE
C.M.U.	CONCRETE MASONRY UNIT
CONT.	CONTINUOUS
DBL.	DOUBLE
D.F.	DOUGLAS FIR
DIM.	DIMENSION
EA.	EACH
E.W.	EACH WAY
FX	FIXED GLASS
ELEC.	ELECTRICAL
EXT.	EXTERIOR
F.F.	FINISH FLOOR
FLR.	FLOOR
FLOUR.	FLUORESCENT
FTG.	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
GYP. BD.	GYPSUM BOARD
H.B.	HOSE BIB
HDR.	HEADER
HH	HEADER HEIGHT
HORIZ.	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
INSUL.	INSULATION
LAV	LAVATORY
MAX.	MAXIMUM
MFG	MANUFACTURING
MIN.	MINIMUM
MISC	MISCELLANEOUS
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
o/	OVER
PLT.	PLATE
PR.	PAIR
RAD.	RADIUS
REINF.	REINFORCED
REQ'D	REQUIRED
S&P	SHELF AND POLE
SPEC.	SPECIFICATION
SQ.	SQUARE
sq ft. sf	SQUARE FEET
S.C.	SOLID CORE
STD.	STANDARD
SH	SINGLE HUNG
T&G	TONGUE AND GROOVE
T.S.	TUBE STEEL
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
VERT.	VERTICAL
W.H.	WATER HEATER
w/	WITH
W.W.M.	WELDED WIRE MESH
XO	HORIZONTAL SLIDER
(E)	EXISTING
(N)	NEW
(P)	PROPOSED

- 2 **APPLICABLE CODES:**
- 2022 California Administrative Code
 - 2022 California Building Code (CBC)
 - 2022 California Electrical Code
 - 2022 California Mechanical Code
 - 2022 California Plumbing Code
 - 2022 California Energy Code
 - 2022 California Historical Building Code
 - 2022 California Fire Code
 - 2022 California Existing Building Code
 - 2022 California Green Building Standards Code
 - 2022 California Reference Standards Code

2 **CODE ANALYSIS**

- SUMMARY**
- CONSTRUCTION TYPE: V-N, V-B, S1
 - EXISTING BUILDING: NON-SEPARATED OCCUPANCY, ONE-STORY, NON-COMBUSTIBLE CONSTRUCTION
 - FIRE PROTECTION: AUTOMATIC SPRINKLER SYSTEM THROUGHOUT
- USE AND OCCUPANCY**
- OCCUPANCY CLASSIFICATION: AMBULATORY CARE "URGENT CARE" (GROUP B)
 - OVERNIGHT STAY: NOT PERMITTED
- BUILDING CHARACTERISTICS**
- BUILDING HEIGHT: 21'-6"
 - NUMBER OF STORIES: ONE
 - TOTAL AREA: 15,300 SF
- OCCUPANT LOAD & EGRESS**
- OCCUPANT LOAD: 251 OCCUPANTS
 - NUMBER OF EXITS: 7

- 5 **EXISTING PARKING**
- TOTAL SPACES ON SITE: 20
 - ACCESSIBLE SPACES: 6
 - VAN-ACCESSIBLE SPACES: 1
 - ELECTRIC VEHICLE CHARGING STATIONS: 5

AREA ANALYSIS:

EXISTING BUILDING:	15,500 SQ. FT.
PROJECT AREAS:	
ADMINISTRATION	137 SQ. FT.
EXAM ROOMS	258 SQ. FT.
RECEPTION AND	
RECEPTION OFFICE	443 SQ. FT.
TOTAL PROJECT AREA	838 SQ. FT.

8 **FIRE SPRINKLERS:**

FIRE SPRINKLERS ARE A SEPARATE PERMIT. NEW EXAM ROOM WALL LOCATION WILL EFFECT COVERAGE.

FIRE SPRINKLER HEADS TO BE REPOSITIONED TO ACCOMMODATE THE WALL RELOCATION IN THE EXAM ROOMS. PERMIT WILL BE BY FIRE SPRINKLER CONTRACTOR

2 **LEGAL DESCRIPTION**

ADDRESS:	115 E. NORTH ST. TAFT, CA.
SHORT LEGAL:	LM 2018-13 PAR A
LEGAL TYPE:	M
APN:	032-060-13
ATN:	03206013009

SHEET INDEX

1	A-1	SITE PLAN
2	A-2	PROCEDURES & SPECIFICATIONS
3	A-3	DIMENSION PLANS
4	A-4	FLOOR PLANS
5	A-5	INTERIOR ELEVATIONS
6	CP-1	REFLECTED CEILING PLANS
7	S-1	LIGHT GUAGE STEEL DETAILS
8	EC.1	ENERGY COMPLIANCE
9	EC.2	ENERGY COMPLIANCE
10	E1.01	ELECTRICAL NOTES
11	E1.02	ELECTRICAL NOTES
12	E2.0	OVERALL ELECTRICAL PLAN
13	E3.0	PARTIAL ELECTRICAL PLANS
14	M1.0	MECHANICAL NOTES
15	M2.0	OVERALL MECHANICAL PLAN
16	M3.0	PARTIAL MECHANICAL PLANS
17	P1.0	PLUMBING NOTES
18	P2.0	OVERALL PLUMBING PLAN
19	P3.0	PARTIAL PLUMBING PLAN

- 3 **PROJECT ADJUSTED CONSTRUCTION COST:**
- c. AND d. The adjusted construction cost for this project is below the current valuation threshold of \$203,000.00.
- Compliance measures will be provided within the 20% cost limitation.

3 **POT - STATEMENT OF COMPLIANCE:**

THE PATH OF TRAVEL (POT) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR "PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS".

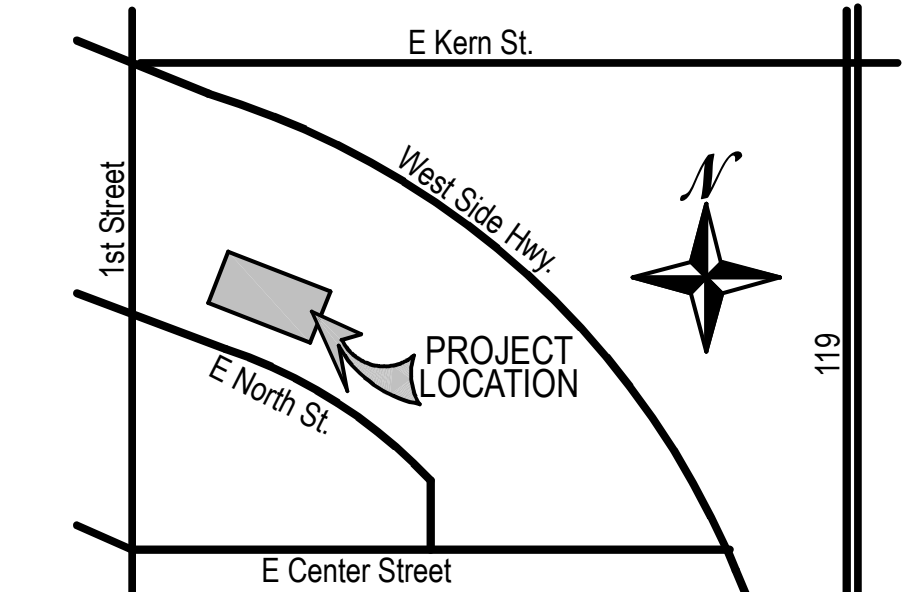
AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED TO DETERMINE COMPLIANCE WITH THESE REQUIREMENTS. ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF POT ITEMS REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT.

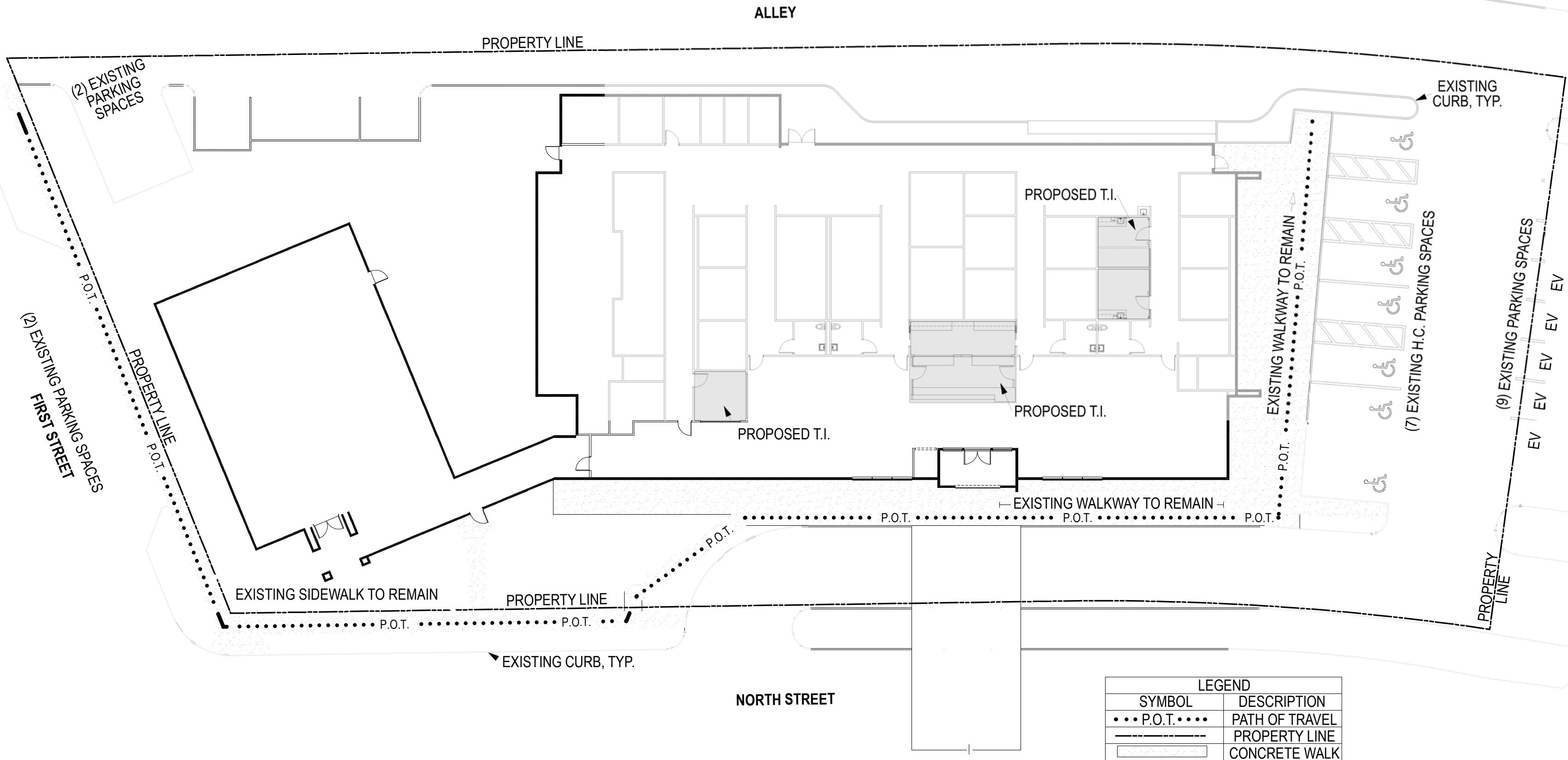
PLAN REVIEW LEGEND

PLAN REVIEW CORRECTIONS:
PLAN CHECK NUMBER: 25032
PLAN CHECK DATE: 02/26/25

CORRECTION LIST NUMBER



VICINITY MAP N.T.S.



SITE PLAN 1" = 20'- 0"

REVISIONS

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PROCEDURES

PAINTING

1. Primers and undercoat paint shall be produced by the same manufacturer as a finish coat.
2. Metal shall be finished with one coat primer and two coats semi-gloss enamel.
3. Wood shall finished with one coat primer and two coats semi-gloss enamel.
4. Interior gypsum board shall be finished with one coat primer and two coats semi-gloss enamel, or per manufacturer's recommendations for complete coverage, typical throughout unless noted otherwise.
5. Furnish sufficient drop cloths, shields and protective equipment to prevent paint from fouling surfaces not being painted.
6. Remove electrical plates, surface hardware, fittings and fasteners prior to painting operations. Items not being replaced are to be stored, cleaned and re-installed on completion of work in each area.

INSTALLATION OF CARPET

- A. Install carpet with pile laid in the same direction.
- B. Carpet tiles shall be installed using only enough adhesive or double stick tape to properly align and retain carpet tiles. All tiles shall be glued down.
- C. Carpet to be securely attached to the floor in compliance with Americans with Disabilities Act (ADA), section 4.5.3.
- D. Proper layout and planning must be completed prior to any application of adhesive or carpet tile.
- E. Two working chalk lines must be applied to the floor to insure a straight, square properly aligned installation. These chalk lines intersect at the starting point and are exactly 90 degrees to each other.
- F. Carpet tiles are to be installed with a full spread of wet adhesive applied with a paint roller. Allow adhesive to fully dry so it does not transfer to a finger or module placed on it.
- G. Begin installation using a pyramid technique and aligning the first tile at the intersection of the two chalk lines.
- H. Always slide each module into position from the side to prevent trapped yarn. Set each module by firmly rubbing both joints.
- I. Modules should be tight but not compressed. Peaking will occur when modules are too tight. Too loose an installation can slip and create obvious gaps with use.
- J. Arrows are embossed and printed on the back of each module indicating pile direction. All arrows shall run in the same direction.
- K. A parallel or "scribe" cutting technique shall be used when cutting the modules.
- L. Cuts shall be done through the face of the module.
- M. Locate change of color or pattern between rooms under door centerline, unless noted otherwise on the Drawings.
- N. Bind cut edges where not concealed by edge strips.

INSTALLATION OF BASE

- A. Fit joints tight and vertical. Maintain minimum length of base should be 18 inches.
- B. Miter internal corners. At external corners, use factory-premolded units. At exposed ends, use factory-premolded units.
- C. Install base on solid backing. Bond tight to wall and floor surfaces.
- D. Scribe and fit to door frames and other interruptions.

SURFACE PROTECTION

- A. Protect installed carpet with kraft paper or polyethylene until removal of protective materials is directed
- B. Protect finished work adjacent to carpet being installed
- C. Prohibit traffic on floor finish for 24 hours after installation.

CLEANING

- A. Clean work area thoroughly
- B. Remove excess adhesive from floor, base and wall surfaces without damage.
- C. Clean and vacuum carpet surfaces.

CALIFORNIA GREEN CODE NOTES

CONSTRUCTION WASTE MANAGEMENT PLAN

1. Submit a construction waste management plan in conformance with Items 1 through 5. The construction waste management plan shall be updated as necessary and shall be available during construction for examination by the enforcing agency.

a. Identify the construction and demolition waste materials to be diverted from disposal by recycling, reuse on the project or salvage for future use or sale.

b. Specify if construction and demolition waste materials will be sorted on-site (source separated) or bulk mixed (single stream).

c. Identify diversion facilities where the construction and demolition waste material collected will be taken.

d. Identify construction methods employed to reduce the amount of construction and demolition waste generated.

e. Specify that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
2. Documentation shall be provided to the enforcing agency which demonstrates compliance with section 5.408.2, items 1 thru 4. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.
3. provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics and metals.
4. The lighting and control systems shall be inspected and tested to ensure proper installation operation. tests shall include but are not limited to visual inspection of all fixtures to ensure conformance to specifications listed in the approved construction documents and manufacturer's recommended installation instructions.
- FINISH MATERIAL POLLUTANT CONTROL
1. Adhesives, Sealants and Caulks. Adhesives, sealant and caulks used on the project shall meet the requirements of the following standards unless more stringent local or regional air pollution or air quality management district rules apply:

a. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable or SCAQMD Rule 1168 VOC limits, as shown in Table 4.504.1 or 4.504.2, as applicable. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products, as specified in Subsection 2 below.

b. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with section 94507.

PAINTS AND COATINGS

1. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Suggested Control Measure, as shown in Table 4.504.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 4.504.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in subsections 4.21, 4.36, and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 4.504.3 shall apply.
2. Aerosol Paints and Coatings. Aerosol paints and coatings shall meet the Product-weighted MIR Limits for ROC in Section 94522(a)(2) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(1) and (f)(1) of California Code of Regulations, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8, Rule 49. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

a. Manufacturer's product specification.

b. Field verification of on-site product containers.

CARPET SYSTEMS

1. All carpet installed in the building interior shall meet the testing and product requirements of at least one of the following:

a. Carpet and Rug Institute's Green Label Plus Program.

b. California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" Version 1.1, February 2010 (also known as Specification 01350).

c. NSF/ANSI 140 at the Gold level.

d. Scientific Certifications Systems Indoor AdvantageTM Gold.
2. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

SPECIFICATIONS

VERIFY BEFORE ORDERING. SUBSTITUTIONS SHALL BE EQUIVALENT AND APPROVED

GYPSUM BOARD

1. Gypsum board Shall be type III, grade R, class 1, unless noted otherwise.
2. Gypsum board joints and finish Shall be level 5.
3. Install gypsum board per requirements of "American standard specifications for the application and finishing of gypsum wallboard".

CARPET

Mohawk Drifted Ground Tile 12" x 36" or equivalent.

HARD SURFACE FLOORING:

Armstrong Flooring DecoArt Carlon Inlaid Commercial Sheet Flooring or equivalent.

BASE

Pinnacle Rubber Base 6" or equivalent.

WINDOW BLINDS

SelectBlinds Premier Double Cell Light Filtering Shade or equivalent.

HARDWARE

1. FURNISH FOR EACH ITEM ONLY THE PRODUCT OF A SINGLE MANUFACTURER.
2. Manufacturers for hardware items shall be as follows, or equal. Contractor shall submit a complete schedule of proposed manufacturers for approval by The City of Taft. Butts-"Stanley; Locks/cylinders/deadbolts-"Schlage; Closers-"Norton"; Thresholds-"Pemko"; Door stops-"Quality; Kick plates-"Quality; Signs-"ASI.
3. All "D" series lock and latch sets to be "RHODES" type

PAINT

1. Only materials (primers, paints, coatings, varnishes, stains, lacquers, fillers, etc.) listed in the latest edition of the MPI Approved Product List (APL) are acceptable for use on this project. All such material shall be from a single manufacturer for each system used.

A. Manufacturers – Paint

1. Benjamin Moore.

2. Dunn-Edwards.

B. Manufacturers – Stain

1. Dunn-Edwards

2. Olympic

3. Sinclair

C. Manufacturers – Sealer

1. Thompson's

2. Sinclair

CABINETS

1. All Millwork shall comply with grade requirements of the woodwork Institute of California, "Manual of Millwork". Construction Shall be custom grade, flush overlay.

2. Contractor shall provide all materials, not specifically described but required, for a complete and proper installation.

3. Cabinetry shall be flush overlay construction with laminate plastic finish.

4. High pressure laminate plastic shall be as manufactured by "Wilsonart" or equal.

5. Semi exposed portions of Cabinetry Shall be melamine finish.

ADHESIVE VOC LIMIT	
ARCHITECTURAL APPLICATIONS	
Indoor carpet adhesives	50
Carpet pad adhesives	50
Drywall and panel adhesives	50
Cove Base adhesives	50
Multi-purpose construction adhesive	70
Other adhesives not specifically listed	50
Contact adhesive	80
Trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material, except wood	50
Wood	30
Fiberglass	80
If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC shall be allowed.	
COATINGS VOC LIMIT	
ARCHITECTURAL APPLICATIONS	
Flat coatings	50
Non-flat coatings	100
Non flat high gloss coatings	150
SPECIALITY COATINGS	
Primers, sealers and undercoaters	100
Shellacs:	
Clear	730
Opaque	550
Zinc rich primers	340

GENERAL NOTES

1. ALL WORK SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES.

2. VERIFY, AT SITE, ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.

3. THE CONTRACTOR SHALL EXAMINE THE PROJECT AREA AND SHALL HAVE SATISFIED HIMSELF AS TO THE EXISTING CONDITIONS AND THE CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO OPERATE, OR WILL IN ANY MANNER EFFECT THE WORK UNDER THE CONTRACT.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL ELEMENTS OF THIS PROJECT WILL BE REPAIRED, REPAINTED, OR REPLACED TO NEW CONDITION WHETHER OR NOT SPECIFICALLY IDENTIFIED IN THESE PLANS IF DAMAGED, MISSING, DILAPIDATED, OR DETERIORATED.

5. THE CONTRACTOR SHALL INVESTIGATE EXISTING CONDITIONS TO ASCERTAIN WORK REQUIRED AND INCLUDE ALL NECESSARY PATCHING AND REFRESHING.

6. THE CONTRACTOR SHALL SUBMIT ACCURATE COLOR AND PATTERN SAMPLES FOR REVIEW BY THE CITY OF TAFT UNLESS THE PRECISE COLOR AND PATTERN IS SPECIFICALLY INDICATED ON THE DRAWINGS. ELECTRONIC SAMPLES ARE NOT ACCEPTABLE.

7. ALL NEW ITEMS PLACED ABOVE CEILING WITH IN PLENUM SPACE SHALL BE RATED AS NECESSARY FOR THAT INSTALLATION.

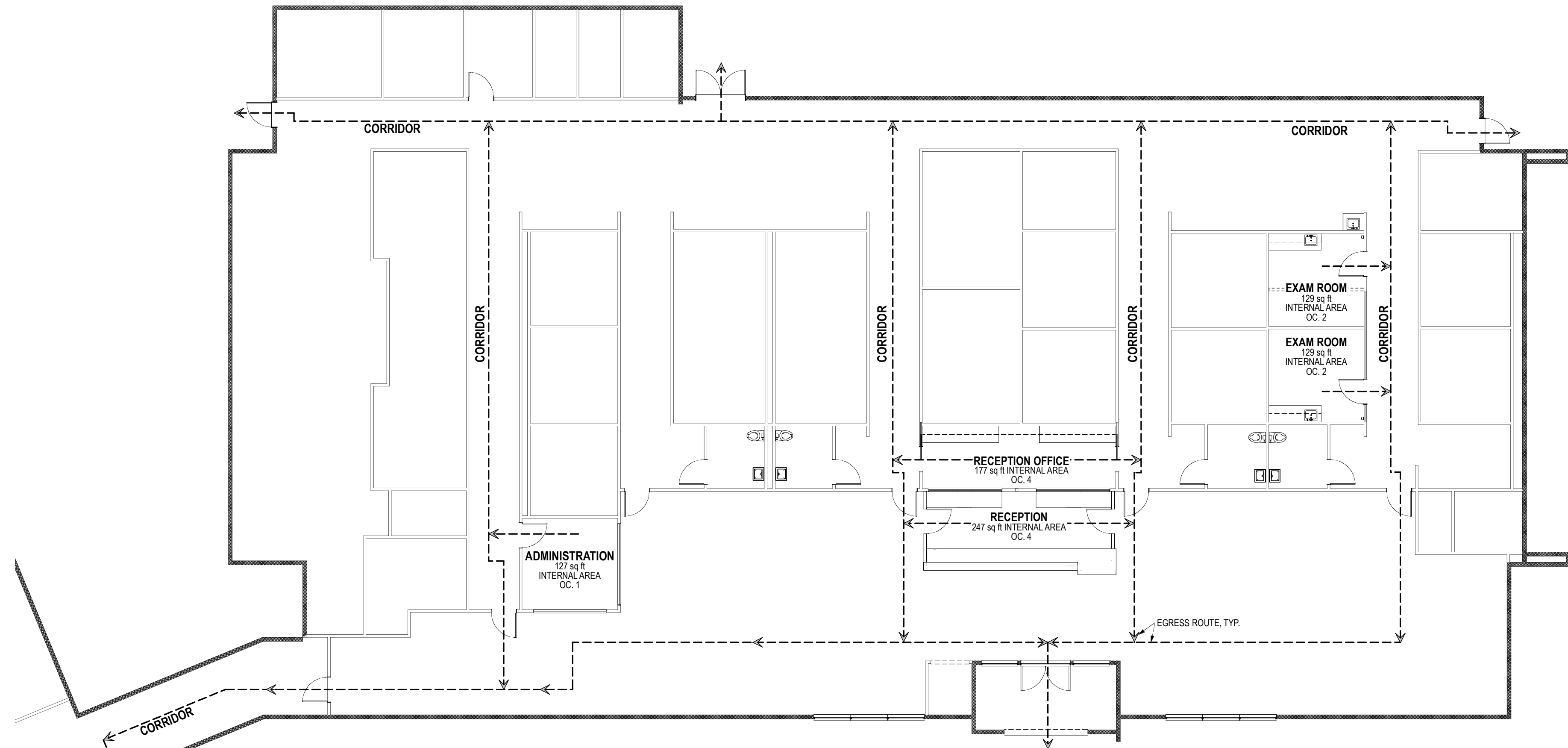
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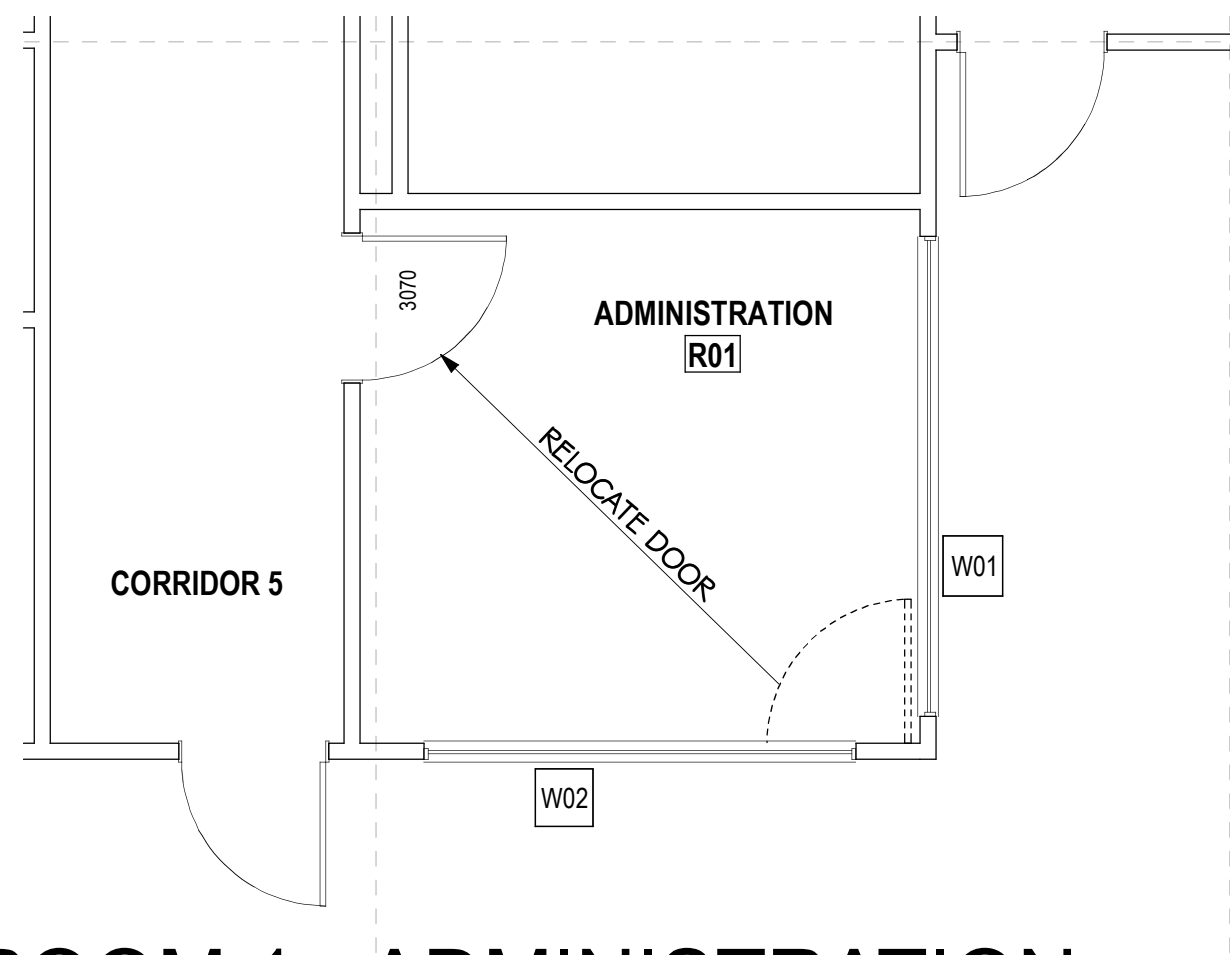
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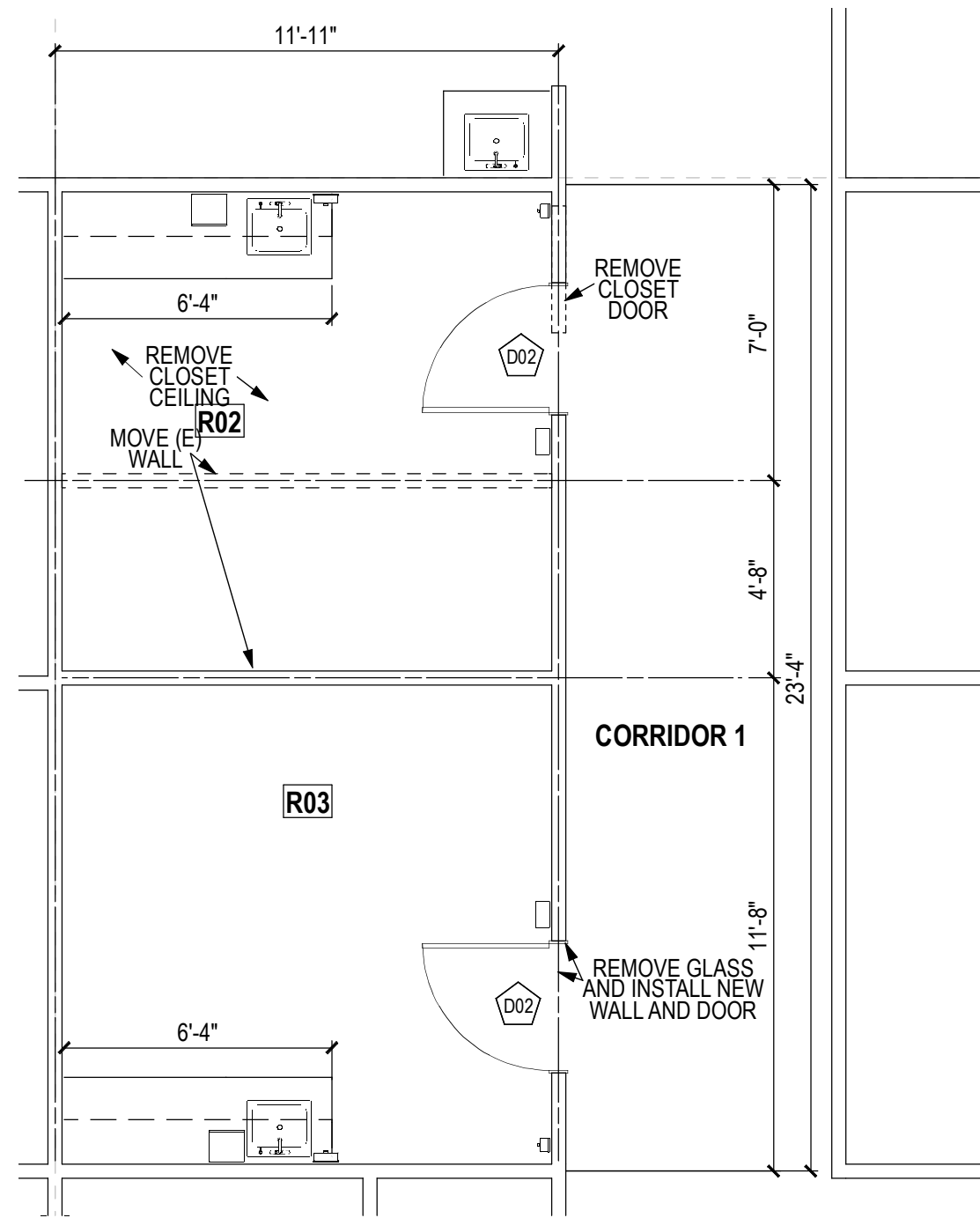
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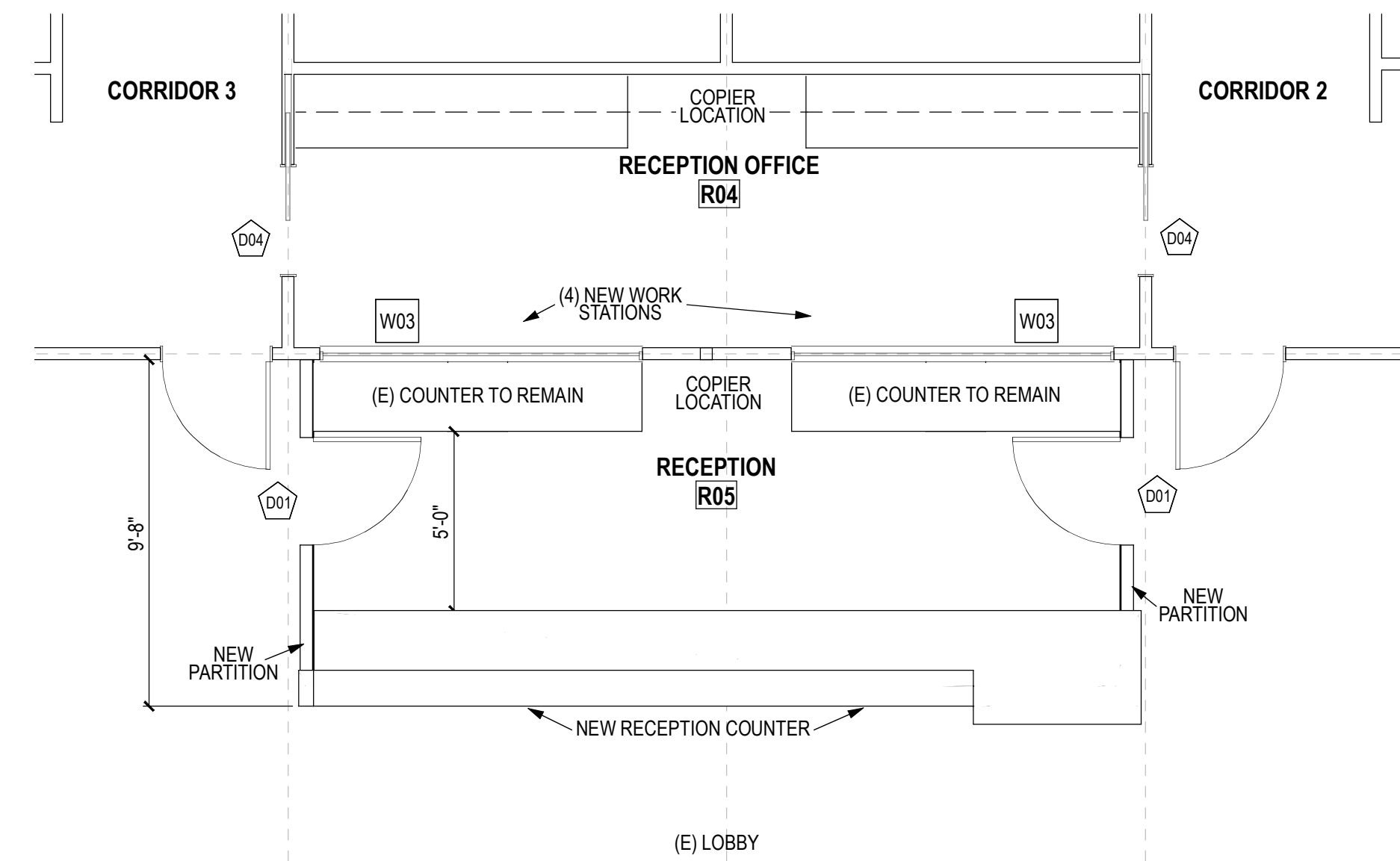
EGRESS PLAN 1" = 10'-0"



ROOM 1 - ADMINISTRATION REMODEL



ROOMS 2 & 3 - EXAM CONVERT CLOSET AND PROCEDURE TO (2) EXAM ROOMS



ROOMS 4 & 5 - RECEPTION / OFFICE REMODEL

WINDOW SCHEDULE					
NUMBER	QTY	SIZE	TEMP.	DESCRIPTION	COMMENTS
W01	1	10'0"	Yes	(N) Fixed Glass	ONE-WAY VIEW TO LOBBY
W02	1	9'0"	Yes	(N) Fixed Glass	
W03	2	9'0"	Yes	(N) Fixed Glass	

WALL SCHEDULE	
Symbol	Wall Type(s)
(N) 4" Steel Stud Wall	
(E) Interior Wall to Remain	
(E) Exterior Wall to Remain	

DIMENSION PLANS 1/4" = 1'-0"

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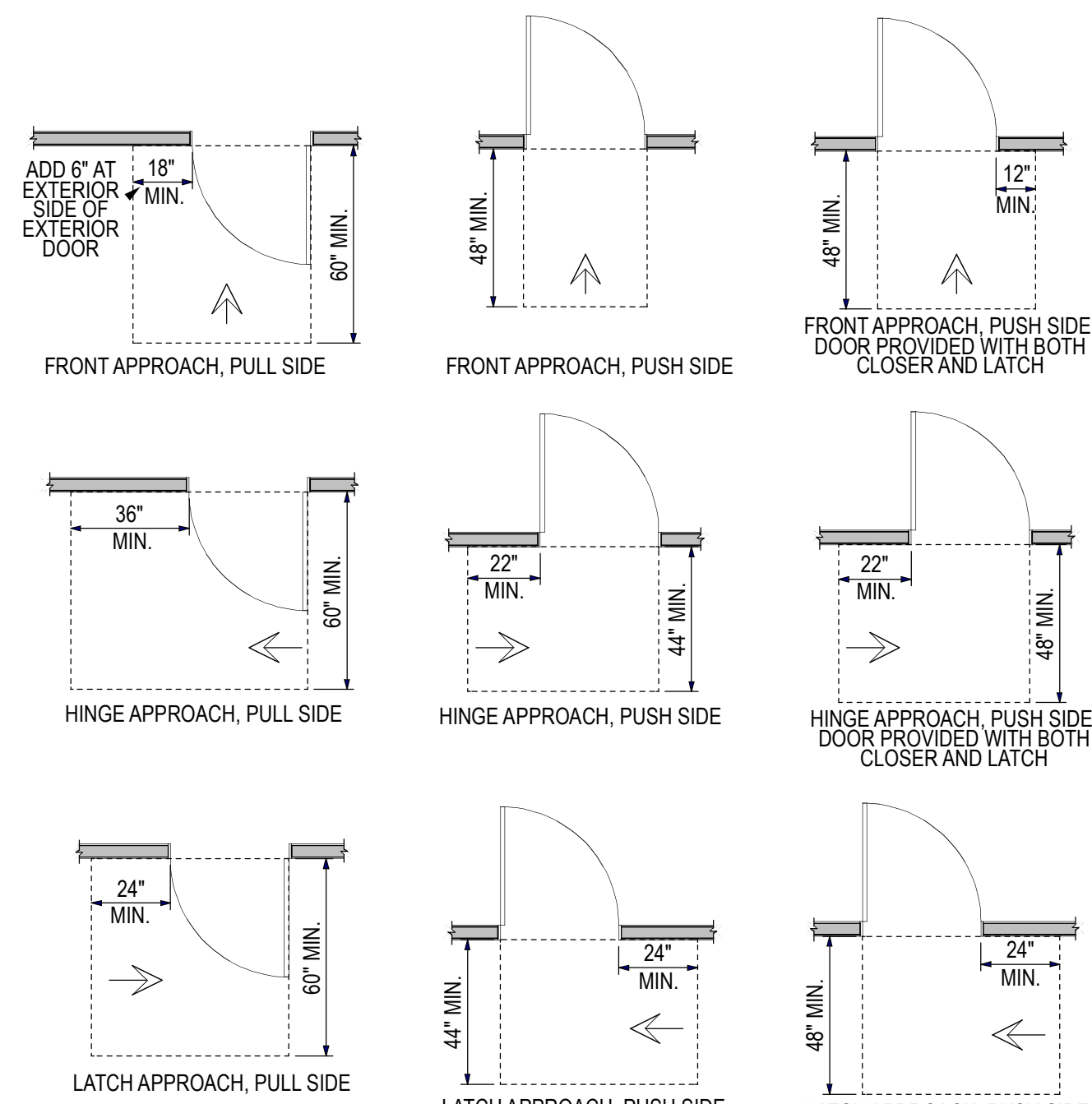
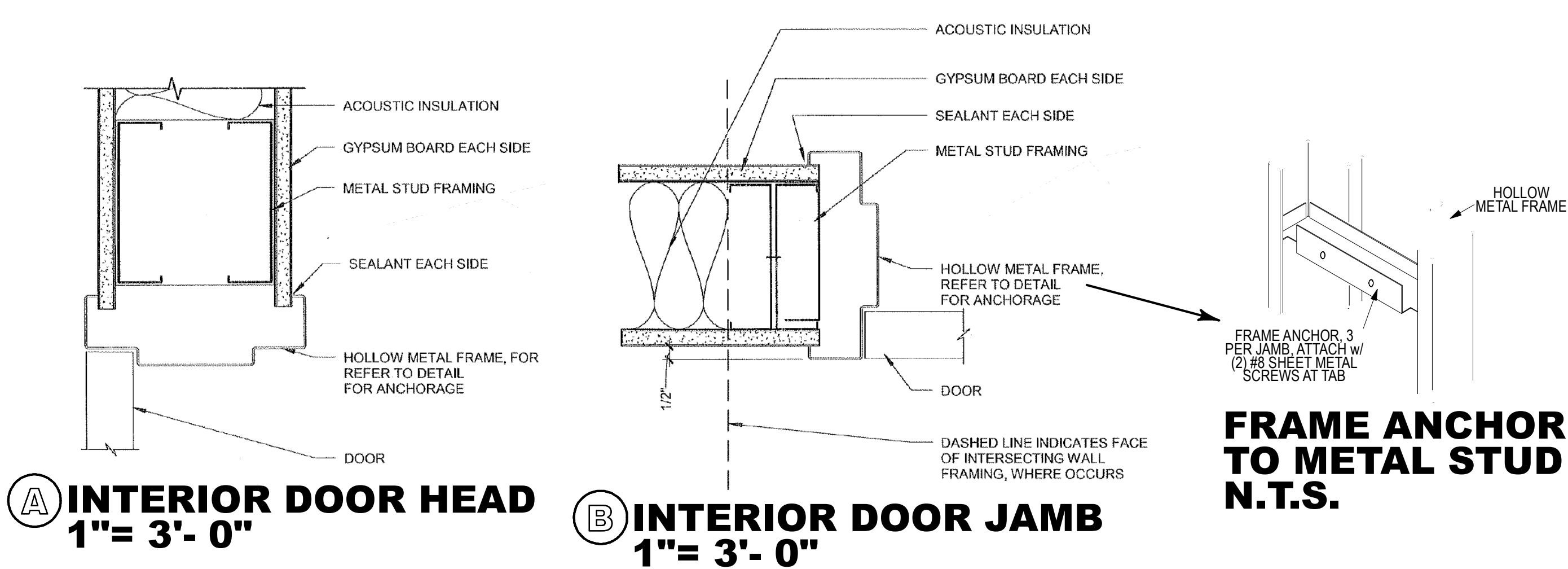
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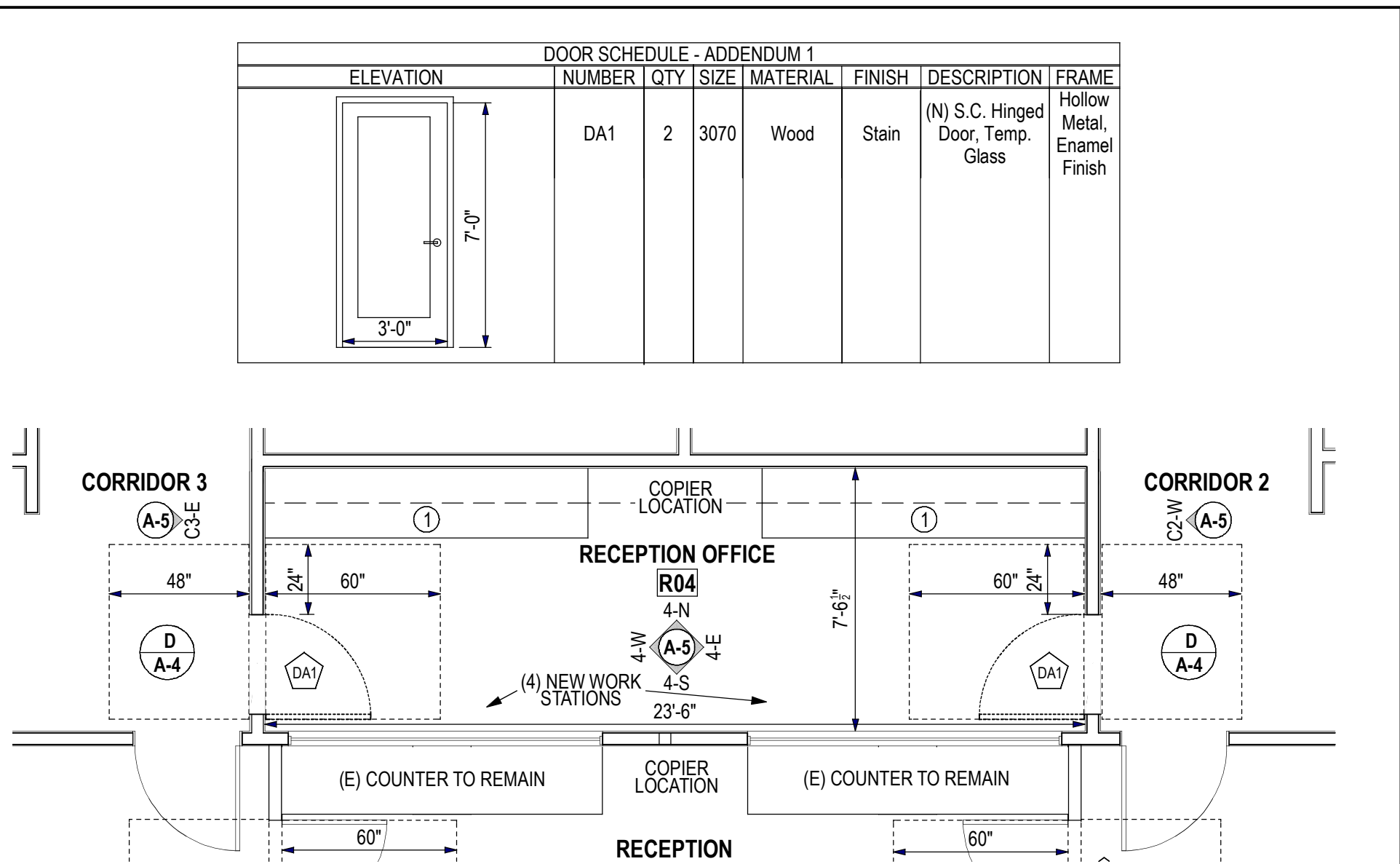
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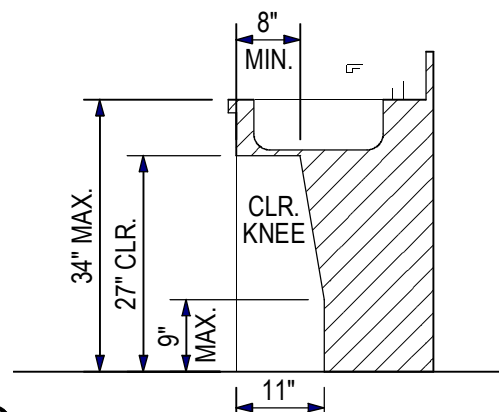


DOOR SCHEDULE						
ELEVATION	NUMBER	QTY	SIZE	MATERIAL	FINISH	DESCRIPTION
	D01	2	3039	Wood	Stain	(N) S.C. Hinged Door
	D02	2	3070	Wood	Stain	(N) S.C. Hinged Door
	D04	2	3070	Wood	Stain	(N) S.C. Pocket Door



ACCESSIBLE COUNTER

A PORTION OF THE COUNTER SURFACE THAT IS 36 INCHES LONG MINIMUM FOR A PARALLEL APPROACH OR 30 INCHES LONG MINIMUM FOR A FORWARD APPROACH AND 34 INCHES HIGH MAXIMUM ABOVE THE FINISH FLOOR SHALL BE PROVIDED. A 30 INCH BY 48 INCH CLEAR FLOOR SPACE ON AN ACCESSIBLE ROUTE MUST BE PROVIDED FOR EITHER A FORWARD OR PARALLEL APPROACH. ADDITIONALLY, IF A FORWARD APPROACH IS DESIRED, KNEE AND TOE SPACE MUST BE PROVIDED.



ACCESSIBLE SINK

MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

11B-404.2.4.1 Swinging Doors and Gates

Swinging doors and gates shall have maneuvering clearances complying with Table 11B-404.2.4.1.

TABLE 11B-404.2.4.1

MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

TYPE OF USE		MINIMUM MANEUVERING CLEARANCE	
Approach direction		Door or gate side	Perpendicular to doorway Parallel to doorway (beyond latch side unless noted)
From front	Pull	60 inches (1524 mm)	18 inches (457 mm)5
From front	Push	48 inches (1219 mm)	0 inches (0 mm)1
From hinge side	Pull	60 inches (1524 mm)	36 inches (914 mm)
From hinge side	Push	44 inches (1118 mm)2	22 inches (559 mm)3
From latch side	Pull	60 inches (1524 mm)	24 inches (610 mm)
From latch side	Push	44 inches (1118 mm)4	24 inches (610 mm)

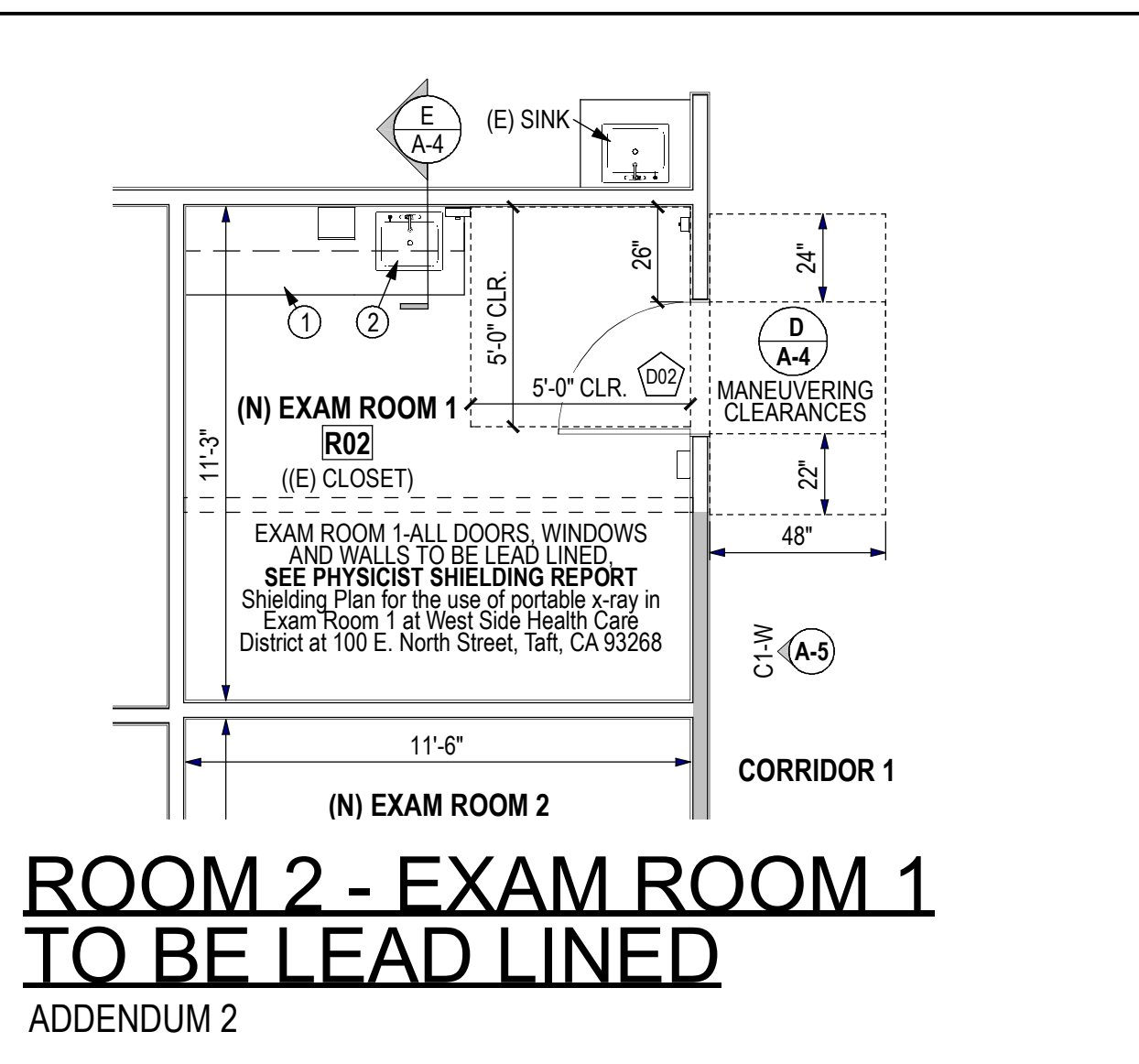
1 Add 12 inches (305 mm) if closer and latch are provided.
2 Add 4 inches (102 mm) if closer and latch are provided.
3 Beyond hinge side.
4 Add 4 inches (102 mm) if closer is provided.
5 Add 6 inches (152 mm) at exterior side of exterior doors.

Doors:

- 11B-404.2.7 Door and Gate Hardware. Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 11B-309.4 (Operation). Operable parts of such hardware shall be 34 inches minimum and 44 inches maximum above the finish floor or ground. Where sliding doors are in the fully open position, operating hardware shall be exposed and usable from both sides.
- 11B-404.2.8.1 Door closers and gate closers shall be adjusted so that from an open position of 90 degrees, the time required to move the door to a position of 12 degrees from the latch is 5 seconds minimum.
- 11B-404.2.9 Door and Gate Opening Force. The force for pushing or pulling open a door or gate shall be as follows: 1. Interior hinged doors and gates: 5 pounds maximum.
- 11B-404.2.10 Door and Gate Surfaces. Swinging door and gate surfaces within 10 inches of the finish floor or ground measured vertically shall have a smooth surface on the push side extending the full width of the door or gate. Parts creating horizontal or vertical joints in these surfaces shall be within 1/16 inch of the same plane as the other and be free of sharp or abrasive edges. Cavities created by added kick plates shall be capped.

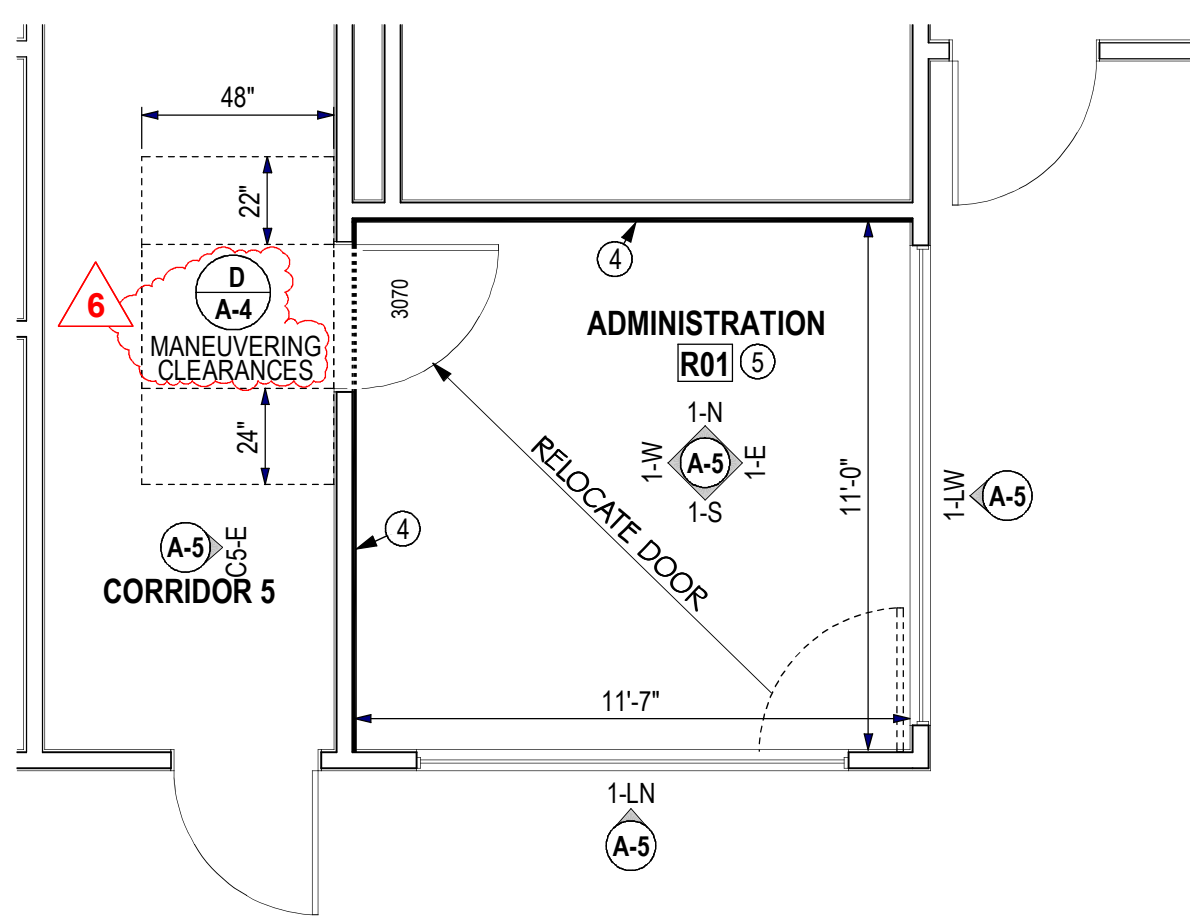
ROOM 4 - RECEPTION OFFICE DOOR OPTION

ADDENDUM 1



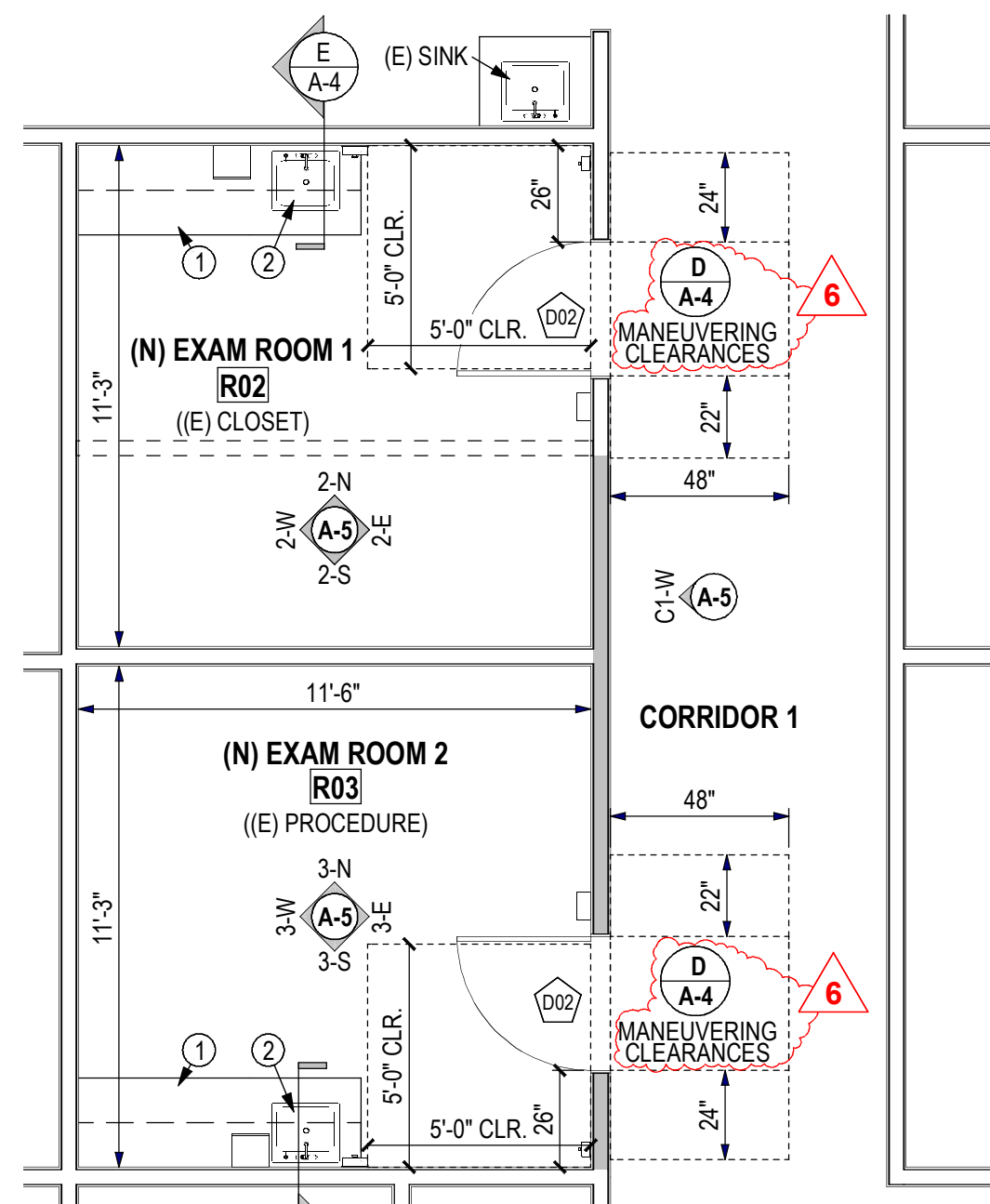
ROOM 2 - EXAM ROOM 1 TO BE LEAD LINED

ADDENDUM 2

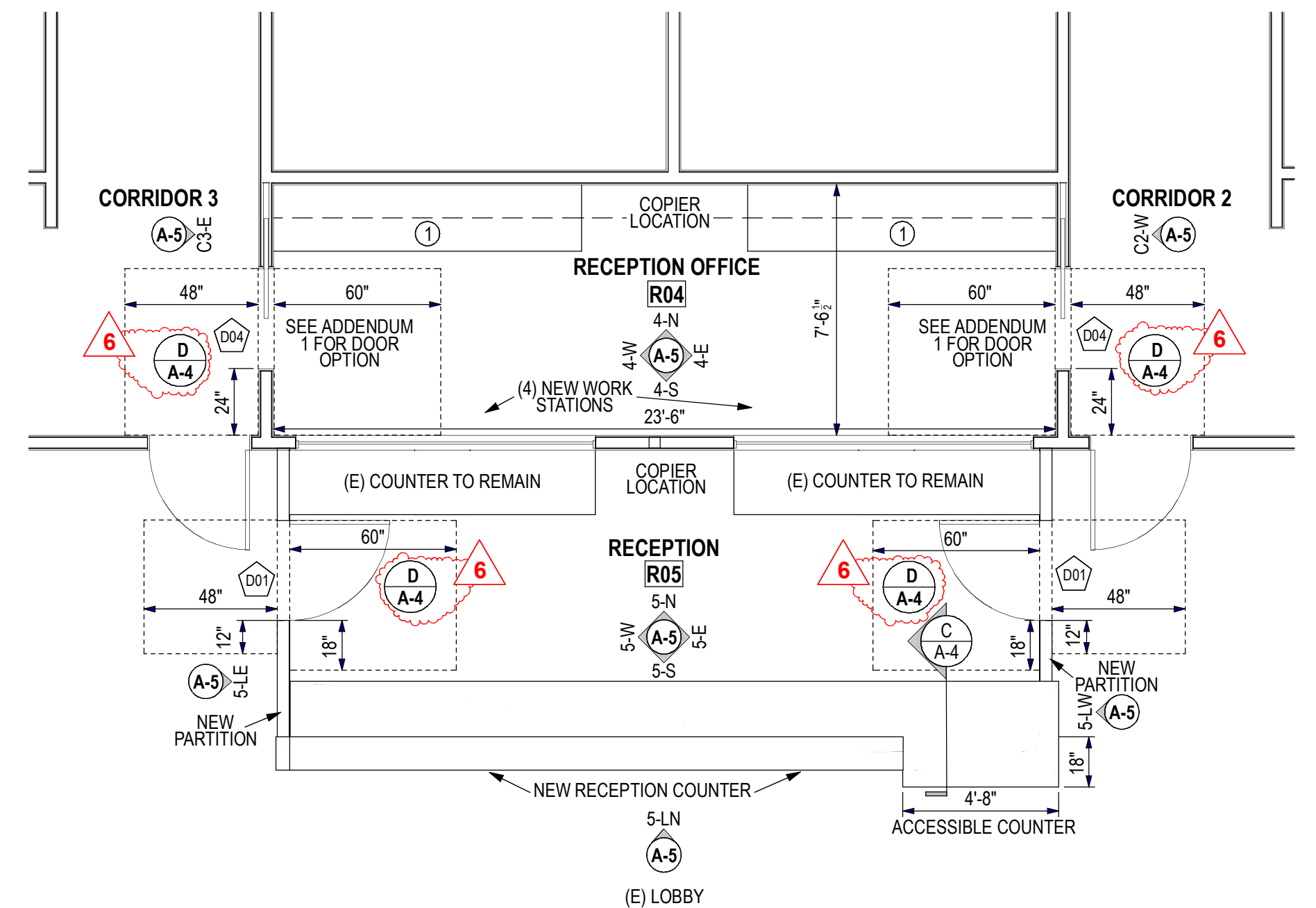


ROOM 1 - ADMINISTRATION REMODEL

FLOOR PLAN SCHEDULE	
1	(N) CABINETS
2	(N) SINK
4	SOUNDPROOF WALL, FLOOR TO ROOF
5	REMOVE AND REPLACE T-BAR CEILING



ROOMS 2 & 3 - EXAM CONVERT CLOSET AND PROCEDURE TO (2) EXAM ROOMS



ROOMS 4 & 5 - RECEPTION / OFFICE REMODEL

WINDOW SCHEDULE					
NUMBER	QTY	SIZE	TEMP	DESCRIPTION	COMMENTS
W01	1	10090	Yes	(N) Fixed Glass	ONE-WAY VIEW TO LOBBY
W02	1	9020	Yes	(N) Fixed Glass	
W03	2	9036	Yes	(N) Fixed Glass	

WALL SCHEDULE	
Symbol	Wall Type(s)
	(N) 4" Steel Stud Wall
	(E) Interior Wall to Remain
	(E) Exterior Wall to Remain



FLOOR PLANS 1/4" = 1'- 0"

ROOM FINISH SCHEDULE							
NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL MATERIAL	WALL FINISH	CEILING HEIGHT	CEILING FINISH
R01	ADMINISTRATION	VINYL PLANK	TOP SET BASE	GYPSUM BOARD	ENAMEL PAINT	109"	ACOUSTICAL CEILING TILES
R02	EXAM 1	RUBBER SHEET	TOP SET BASE	GYPSUM BOARD	ENAMEL PAINT, 4" HIGH FRP	120"	ACOUSTICAL CEILING TILES
R03	EXAM 2	RUBBER SHEET	TOP SET BASE	GYPSUM BOARD	ENAMEL PAINT, 4" HIGH FRP	120"	ACOUSTICAL CEILING TILES
R04	RECEPTION OFFICE	SMOOTH CONCRETE	TOP SET BASE	GYPSUM BOARD	ENAMEL PAINT	120"	ACOUSTICAL CEILING TILES
R05	RECEPTION	SMOOTH CONCRETE	TOP SET BASE	GYPSUM BOARD	ENAMEL PAINT		
TOTALS:							809

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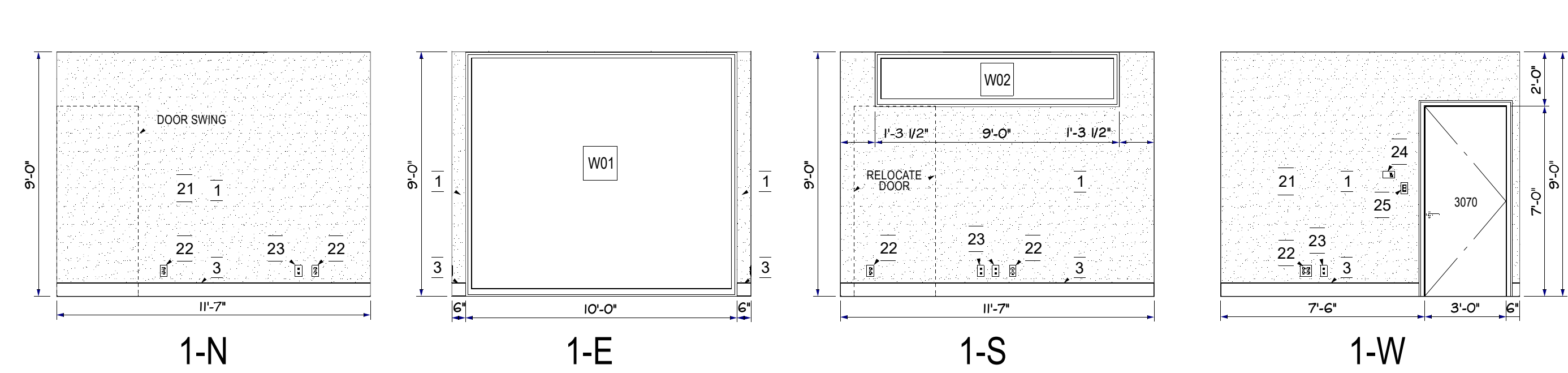
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SHEET

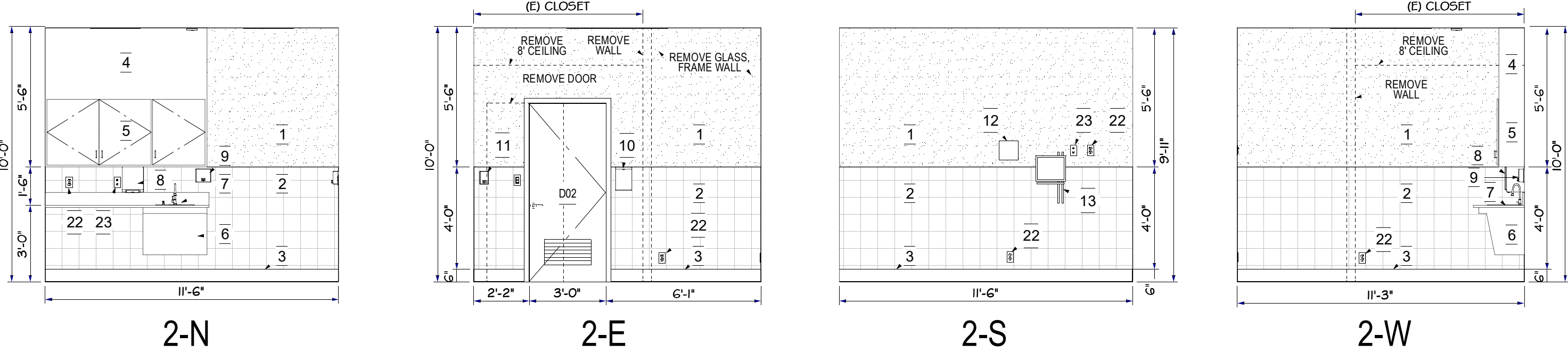
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OF 20 SHEETS

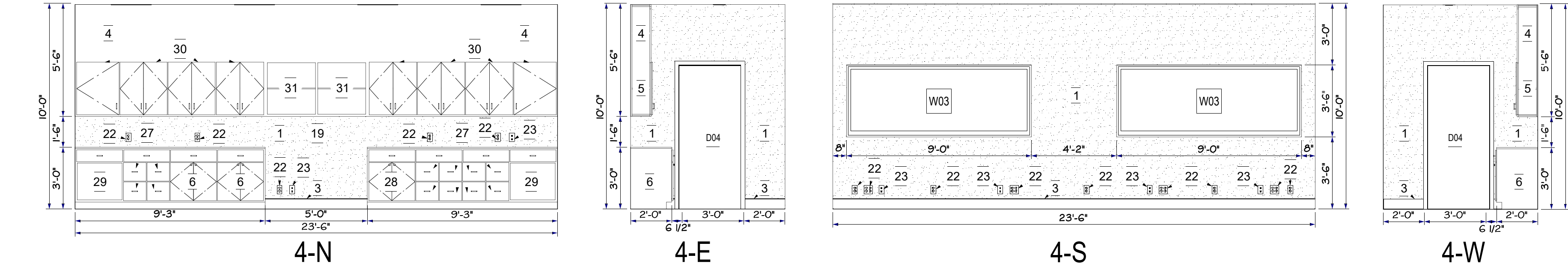
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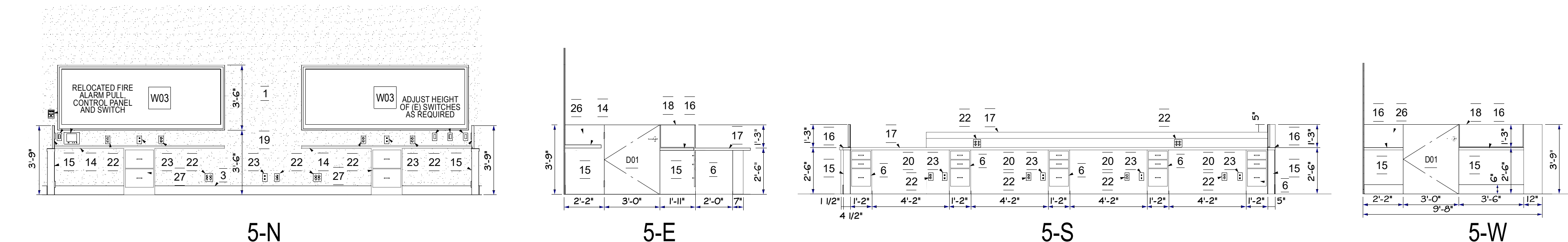
ROOM 1 - ADMINISTRATION



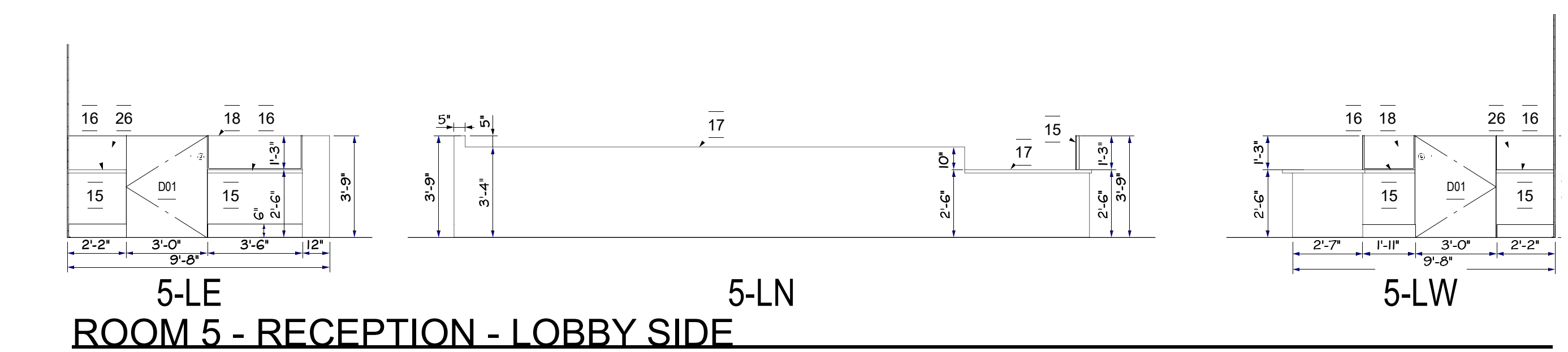
ROOM 2 - EXAM 1



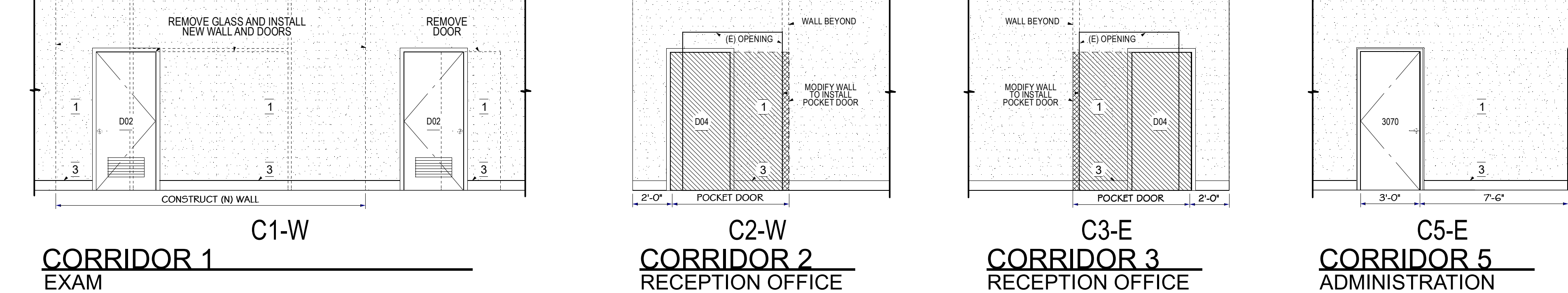
ROOM 4 - RECEPTION OFFICE



ROOM 5 - RECEPTION



ROOM 5 - RECEPTION - LOBBY SIDE

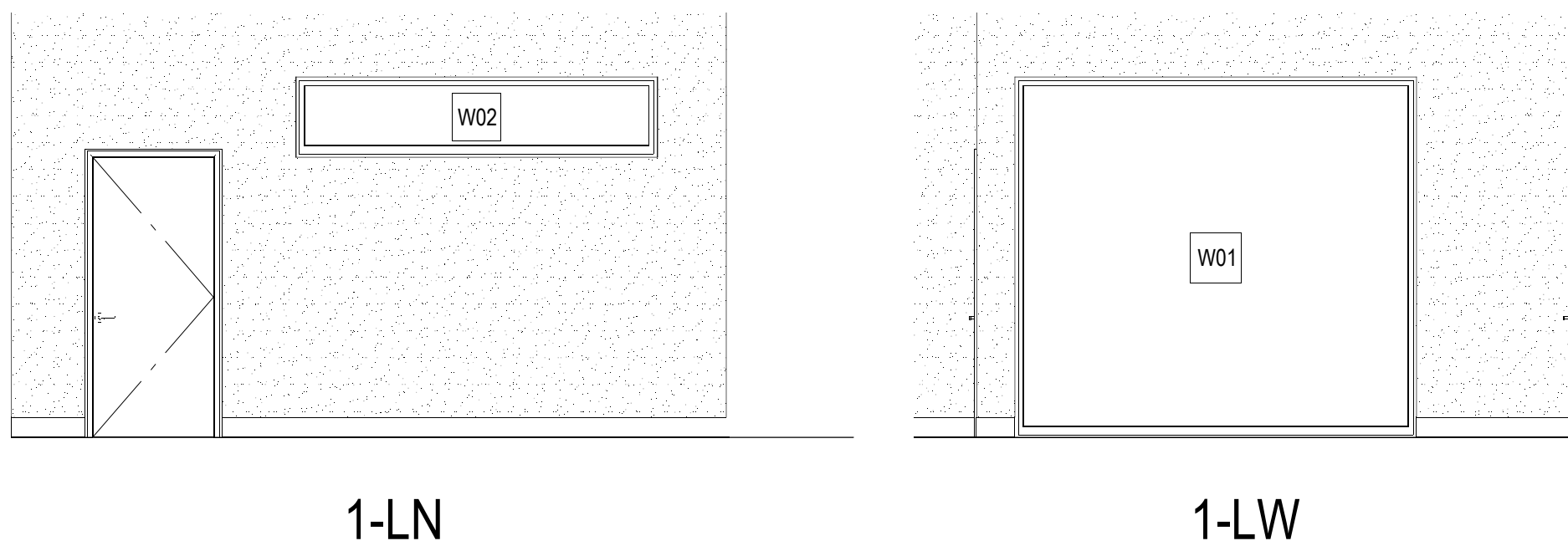


CORRIDOR 1
EXAM

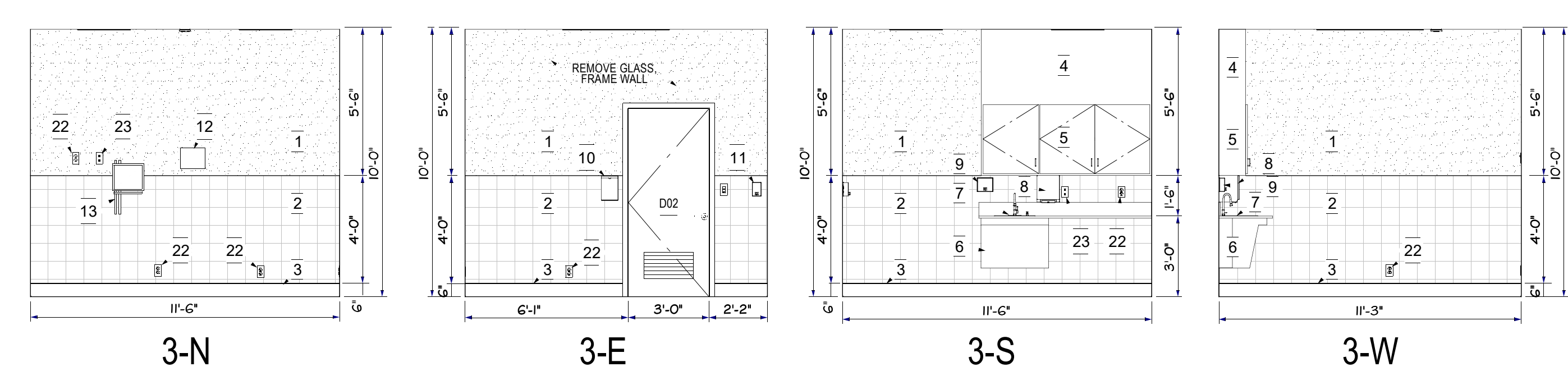
CORRIDOR 2
RECEPTION OFFICE

CORRIDOR 3
RECEPTION OFFICE

CORRIDOR 5
ADMINISTRATION



ROOM 1 - ADMINISTRATION - LOBBY SIDE



ROOM 3 - EXAM 2

INTERIOR ELEVATION SCHEDULE	
MATERIAL	FINISH
1 GYPSUM BOARD	ENAMEL PAINT
2 FIBERGLASS REINFORCED PLASTIC (FRP)	FACTORY
3 TOP SET BASE	FACTORY
4 (N) CLOSURE PANEL	FACTORY
5 (N) WALL CABINET	FACTORY
6 (N) BASE CABINET	FACTORY
7 (N) SINK	FACYORY
8 (N) WALL HUNG, SURFACE MOUNTED, PAPER TOWEL DISPENSER	FACTORY
9 (N) WALL HUNG, SURFACE MOUNTED, SOAP DISPENSER	FACTORY
10 WALL HUNG DISPOSAL CONTAINER	ENAMEL PAINT
11 WALL HUNG SURFACE MOUNTED HAND SANITIZER	ENAMEL PAINT
12 WALL HUNG SPIGONANOMETER (BLOOD PRESSURE MONITOR)	ENAMEL PAINT
13 WALL HUNG COMPUTER ARM, MOUNTING HEIGHT PER MFR.	ENAMEL PAINT
14 COUNTER TO REMAIN	
15 (N) PARTITION	FACTORY
16 (N) WALL CAP	FACTORY
17 (N) COUNTER	FACTORY
18 (N) GLASS PANEL, TEMP.	
19 COPIER SPACE	
20 KNEE SPACE	
21 SOUNDPROOF WALL	2 LAYERS STC 60 SOUND PROOF DRYWALL
22 DUPLEX RECEPTACLE, SEE PLAN	FACTORY
23 DATA / PHONE, SEE PLAN	FACTORY
24 RELOCATED THERMOSTAT	FACTORY
25 RELOCATED OCCUPANT SENSOR SWITCH	FACTORY
26 (N) SOLID PANEL TO MATCH ADJACENT	
27 (N) LOCKABLE FILE DRAWERS	FACTORY
28 (N) BASE CABINET, NO SHELVING	FACTORY
29 (N) OPEN BASE CABINET	FACTORY
30 (N) LOCKABLE WALL CABINETS	FACTORY
31 (N) OPEN WALL CABINET W/ ADJUSTABLE SHELVING	FACTORY

NUMBER	QTY	SIZE	TEMP.	DESCRIPTION	COMMENTS
W01	1	10090	Yes	(N) Fixed Glass	ONE-WAY VIEW TC
W02	1	9020	Yes	(N) Fixed Glass	
W03	2	9036	Yes	(N) Fixed Glass	

WALL SCHEDULE	
Symbol	Wall Type(s)
(N) 4" Steel Stud Wall	
(E) Interior Wall to Remain	
(E) Exterior Wall to Remain	



REVISIONS

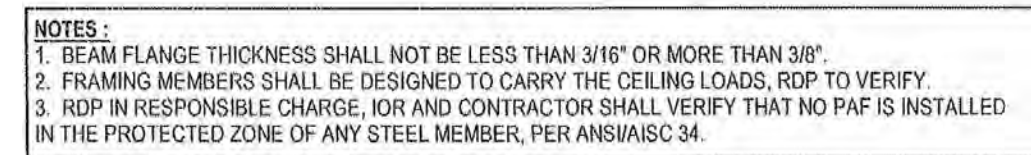
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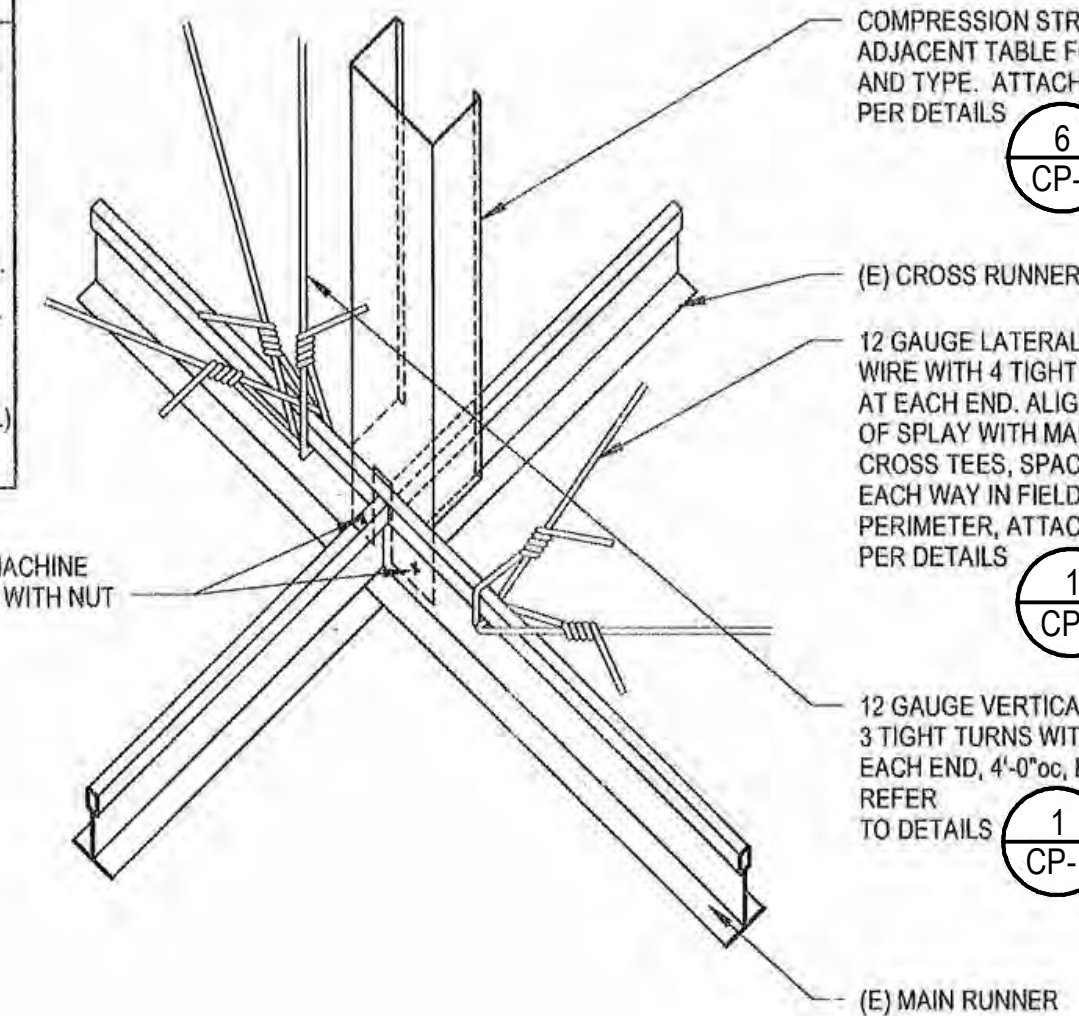
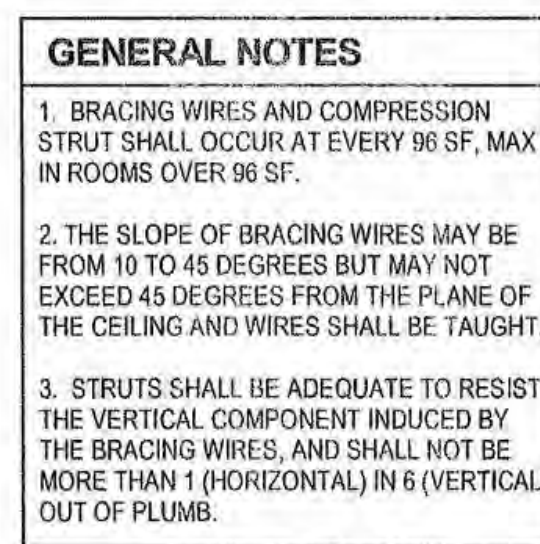
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A-5
OF 20 SHEETS
DATE: 5/19/2025



BRACING WIRE **2** **CR-1** **HANGER WIRE** EACH END (AS FOLLOWS) WITH CLASS 1 COATING WIRE TIE ATTACHMENT

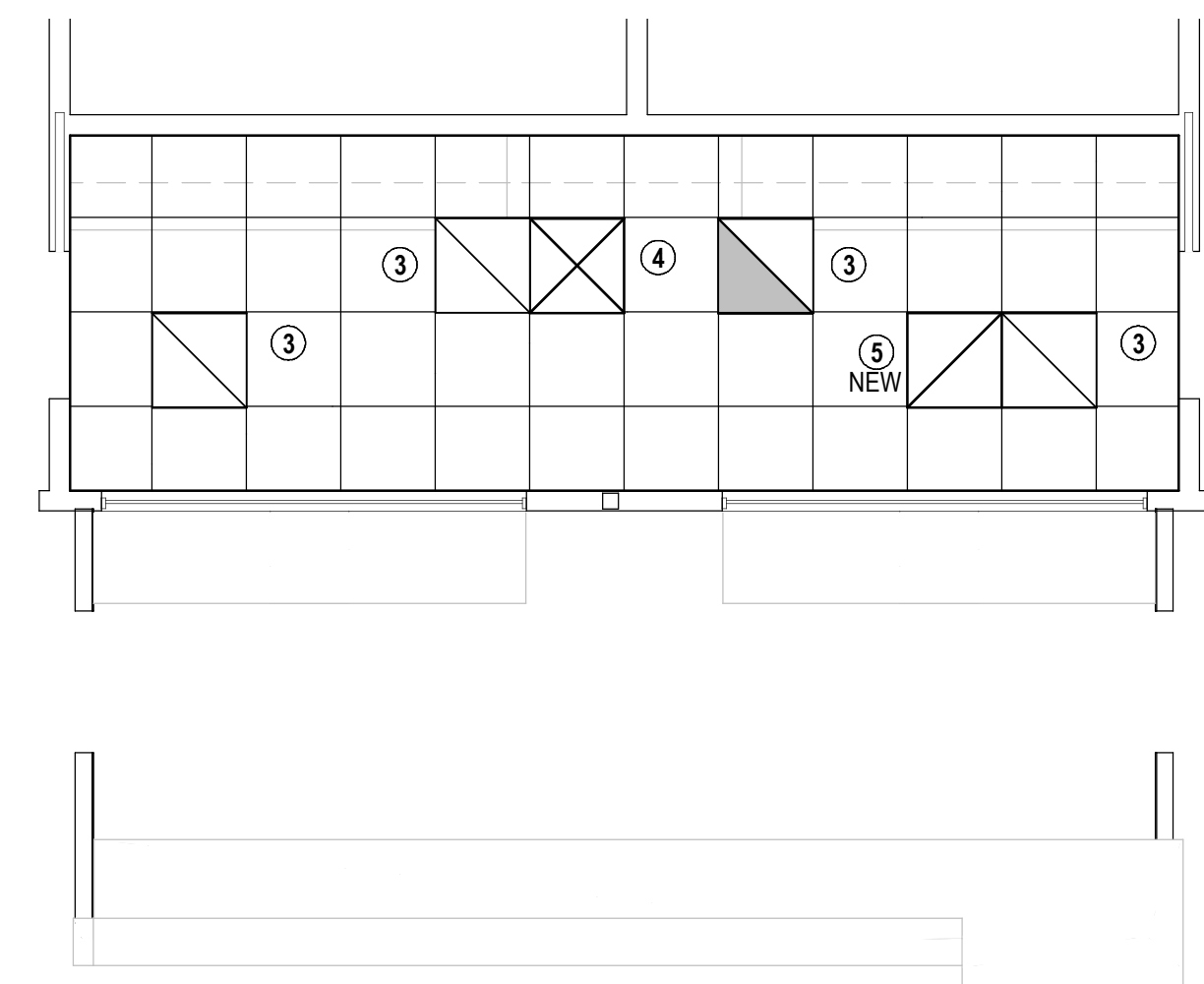
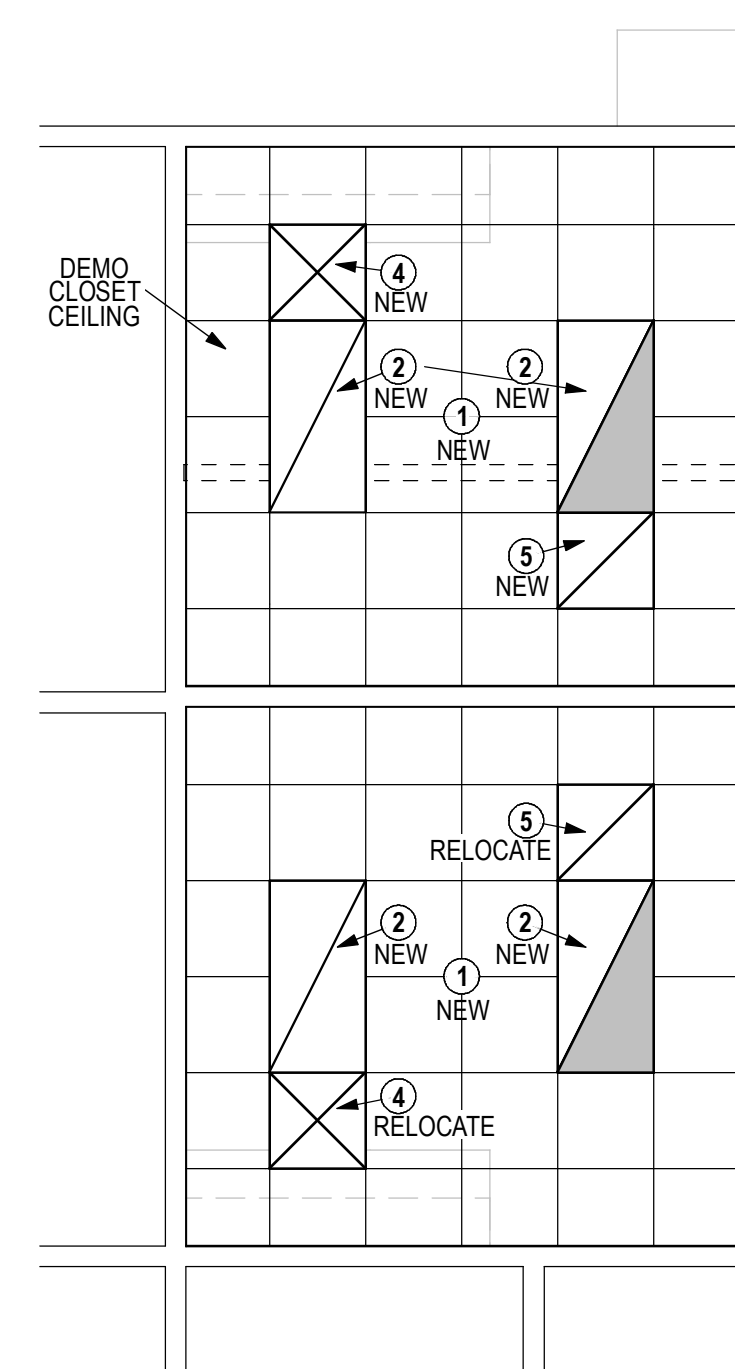
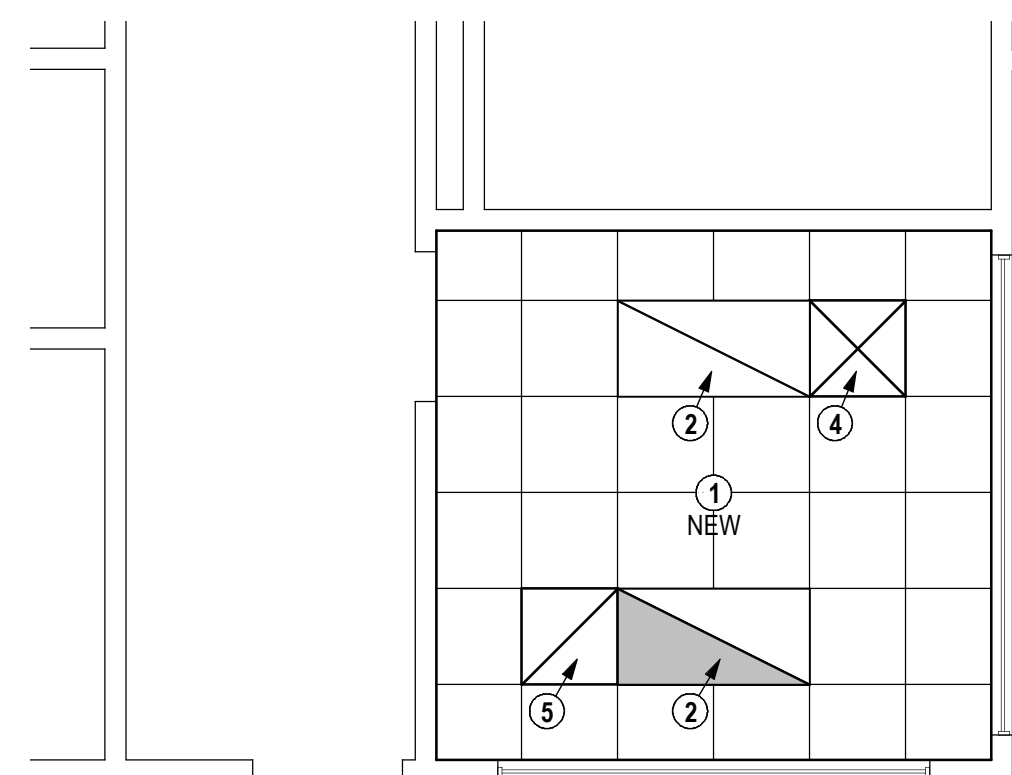


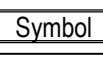
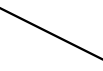
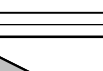
CHANNEL STRUT



COMPRESSION STRUT TABLE	
MAXIMUM UNSUPPORTED LENGTH FOR SINGLE STUD USED AS CEILING COMPRESSION STRUT AT 12'-0"oc (400S137-33 (20GA))	
SIZE	LENGTH
20GA x 4"	10'-5"
NOTES: 1. ALL STUDS SHALL HAVE 1 5/8" FLANGES WITH STIFFENED EDGES	

SUSPENDED ACOUSTICAL CEILING LEGEND - SPLAY WIRE N.T.S.



RCP LEGEND			
Symbol	Description	Qty	Comments
	2x4 LED RECESSED LUMINAIRE	3	NORMAL BRANCH CIRCUIT
	2x4 LED RECESSED LUMINAIRE	3	SHADING DENOTES EMERGENCY / CRITICAL BRANCH CIRCUIT
	2x2 LED RECESSED LUMINAIRE	3	NORMAL BRANCH CIRCUIT
	2x2 LED RECESSED LUMINAIRE	1	SHADING DENOTES EMERGENCY / CRITICAL BRANCH CIRCUIT

ROOM 1 - ADMINISTRATION

REMODEL

ROOMS 2 & 3 - EXAM
 CONVERT CLOSET AND
 PROCEDURE TO (2) EXAM ROOMS

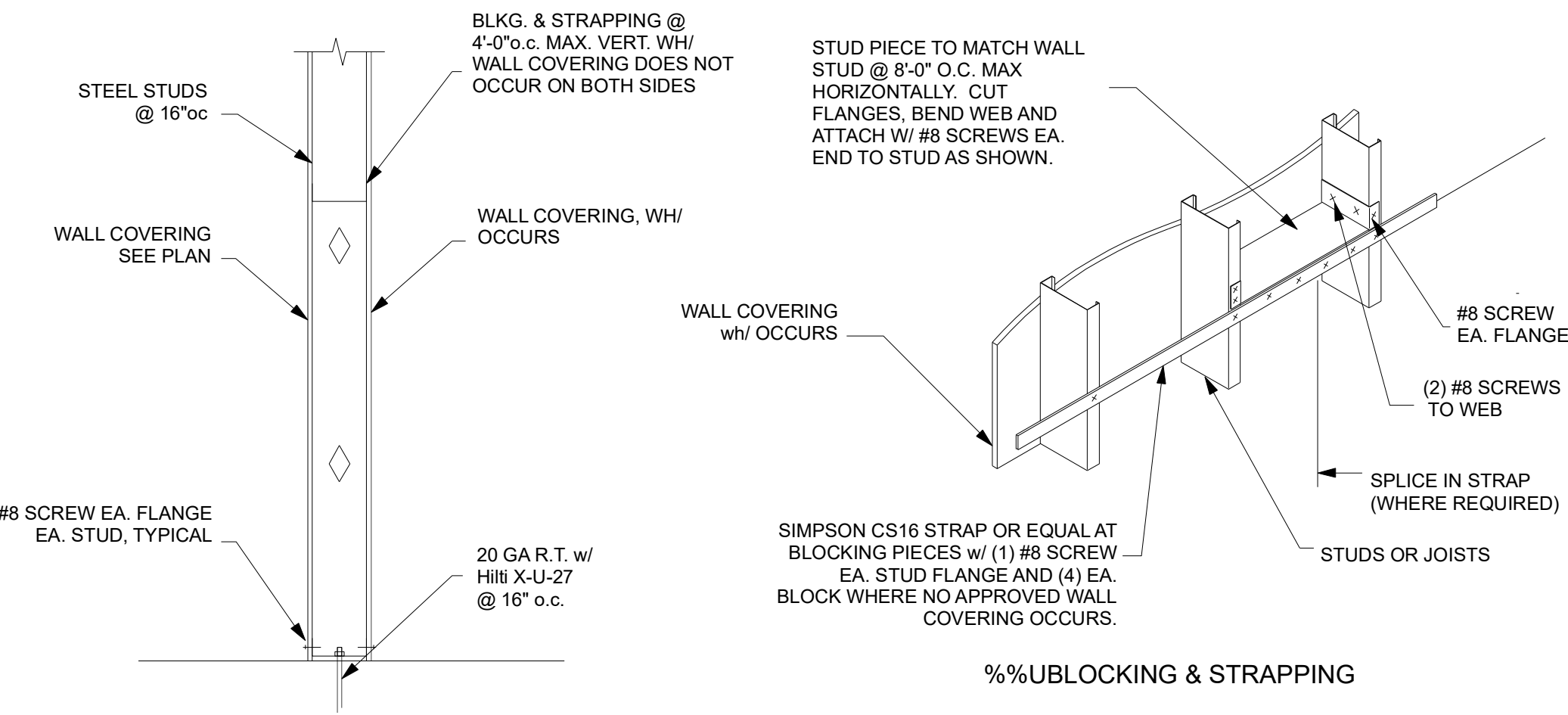


REFLECTED CEILING PLANS 1/4" = 1'- 0"

RCP NOTE SCHEDULE	
①	"HEAVY DUTY" 2X2 SUSPENDED ACOUSTICAL CEILING SYSTEM
②	2X4 LED RECESSED LUMINARY
③	2X2 LED RECESSED LUMINARY
④	CEILING DIFFUSER
⑤	RETURN AIR



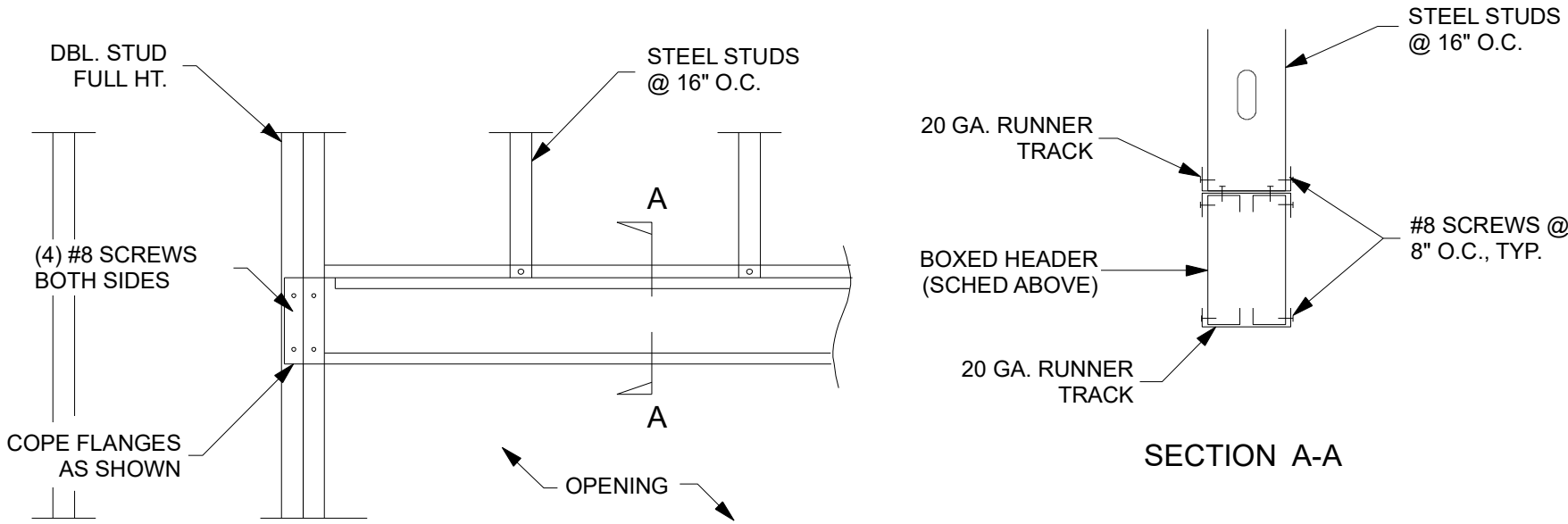
ROOMS 4 & 5 - RECEPTION / OFFICE



NOTE
A STRAP SHALL BE PLACED AT A DISTANCE
NO GREATER THAN 10" FROM THE TOP TRACK

STUD DESIGNATIONS	
NOTED ON PLAN	SSMA
3 5/8" x 20 GA	362 S162-33
3 5/8" x 20 GA RUNNER TRACK	362 T125-33
6" x 20 GA	600 S162-33
6" x 20 GA RUNNER TRACK	600 T125-33
8" x 20 GA	800 S162-33
8" x 20 GA RUNNER TRACK	800 T125-33

HEADER SCHEDULE	
MAX. SPAN	HEADER
6'-0"	BOXED 6"x20 GA. (600 S162-33)
10'-0"	BOXED 8"x20 GA. (800 S162-33)

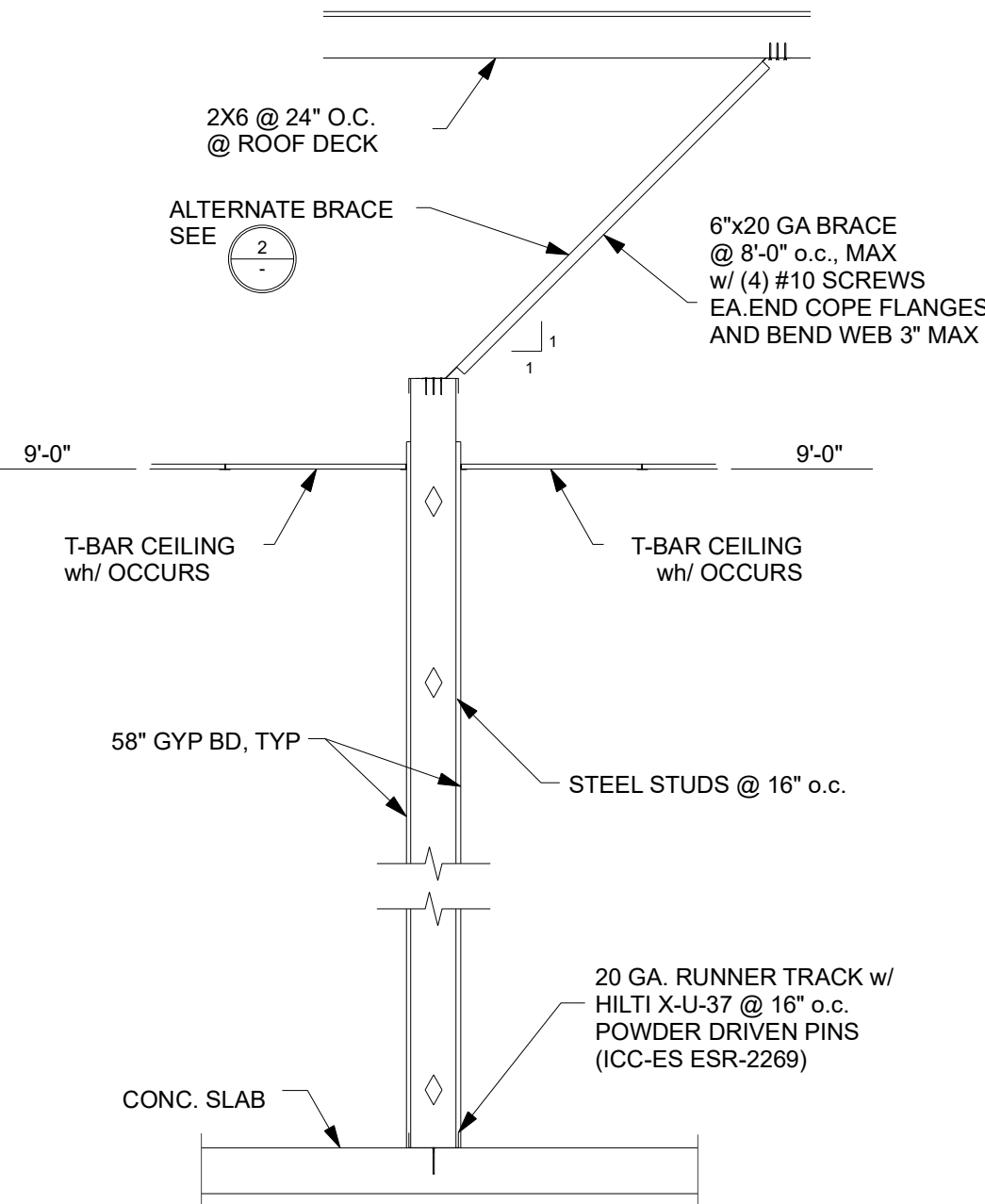


Steel Studs

3

Header

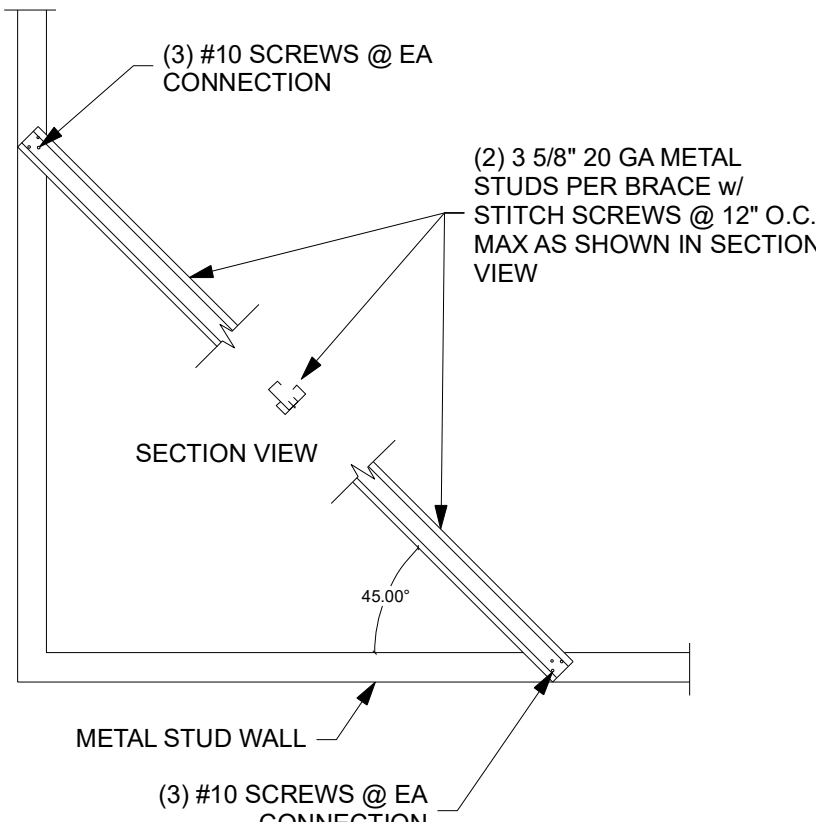
4



LIGHT GAUGE FRAMING

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

1

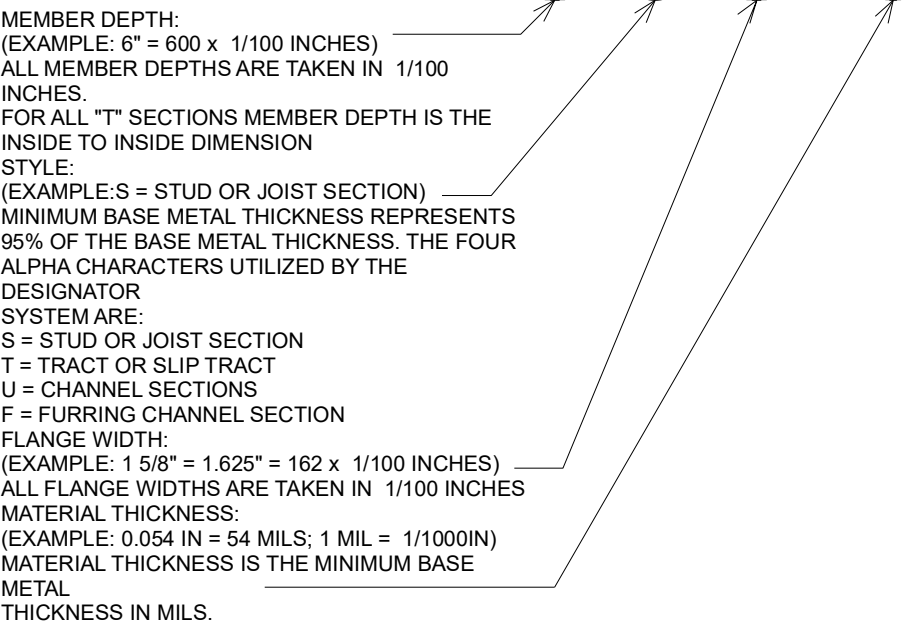


LIGHT GAUGE FRAMING

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

2

METAL TO METAL FASTENER SIZE	
METAL THICKNESS "T"	SCREW TYPE
T < 12 GA	#10 W/ #3 POINT
12 GA < T < 3/16"	#12 W/ #3 POINT
3/16" < T < 5/16"	1/4" DIA. W/ #4 POINT



LIGHT GAUGE STEEL NOTES

- ALL MEMBERS SHALL BE MANUFACTURED BY A CURRENT MEMBER OF THE STEEL STUD MANUFACTURERS ASSOCIATION, IN ACCORDANCE WITH THE LATEST AMERICAN IRON AND STEEL INSTITUTE - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS INCLUDING THE LATEST SUPPLEMENTS (AISI-NAS).
- ALL GALVANIZED STUDS, TRACKS AND JOISTS SHALL BE FORMED FROM STEEL THAT CORRESPONDS TO THE MINIMUM REQUIREMENTS OF THE LATEST AISI-NAS STANDARD.
- ALL STEEL MEMBERS SHALL HAVE PHYSICAL MARKING AND IDENTIFICATION NUMBERS AS REQUIRED BY ASTM C645 AND ASTM C955. THESE MARKINGS MUST INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING INFORMATION: DEPTH, FLANGE WIDTH, MINIMUM STEEL THICKNESS, MANUFACTURER DESIGNATION, STEEL YIELD STRENGTH AND PROTECTIVE COATING WEIGHT.
- STRUCTURAL STEEL FRAMING MEMBERS MUST MEET THE PHYSICAL REQUIREMENTS OF ASTM C955. THE INSTALLATION REQUIREMENTS OF ASTM C1007 AND THE MINIMUM COATING REQUIREMENTS OF ASTM A653 COATING DESIGNATION G-60.
- NON-STRUCTURAL STEEL FRAMING MEMBERS MUST MEET THE PHYSICAL REQUIREMENTS OF ASTM C245. THE INSTALLATION REQUIREMENTS OF ASTM C754 AND THE MINIMUM COATING REQUIREMENTS OF ASTM A653 COATING DESIGNATION G-40.
- STEEL SHALL BE ASTM A1003, GRADE 50 FOR 12, 14, AND 16 GAUGE SECTIONS, AND ASTM A1003, GRADE 33 FOR 18 AND HIGHER GAUGE SECTIONS.
- PROVIDE STEEL MEMBERS WITH SECTION PROPERTIES EQUAL TO OR GREATER THAN THOSE SPECIFIED BY THE "STEEL STUD MANUFACTURERS ASSOCIATION" (SSMA) CATALOG, ICBO-ER 4943P, FOR THE MEMBER SIZES DESIGNATED ON THE PLANS.
- THE CONTRACTOR MUST PROVIDE A MATERIAL SUBMITTAL INDICATING THE SIZE, GAUGE, SECTIONAL PROPERTIES AND MATERIALS TO BE USED TO THE ARCHITECT AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. IN ACCORDANCE WITH THE SPECIFICATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL FOR ANY SUBSTITUTIONS.
- BENT, KINKED, DISTORTED, CORRODED OR DAMAGED SECTIONS SHALL NOT BE USED.
- STUDS MAY HAVE CUTOUTS (OR KNOCKOUTS). CUTOUTS MAY BE A MAXIMUM DIMENSION OF 1/2" WIDE x 4" LONG AND HAVE A MINIMUM SPACING OF 24" O.C., EXCEPT CUTOUTS FOR 1 5/8" AND 2 1/2" MUST NOT EXCEED A WIDTH OF 3/4". CUTOUTS SHALL NOT BE CLOSER THAN 12" FROM MEMBER ENDS.
- ALL WELDING TO BE PERFORMED BY LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTIONS COMPLYING WITH A.W.S. D1.3. WELDING RODS SHALL CONFORM TO THE FOLLOWING:
 - 11.1. 18 GA. AND LIGHTER: E60XX
 - 11.2. 16 GA. AND HEAVIER: E70XX OR E6013
 - 11.3. LIGHT GAUGE TO STRUCTURAL STEEL: E70XX LOW HYDROGEN
- ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT.
- WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED.
- LATERAL BRIDGING FOR STEEL STUD IS REQUIRED WHEN WALL BOARD, INSTALLED IN ACCORDANCE WITH AISI-NAS REQUIREMENTS, DOES NOT CONTINUE FULL HEIGHT ON BOTH SIDES. BRIDGING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND TYPICAL BRIDGING DETAILS. ALL EXTERIOR WALLS SHALL HAVE BRIDGING PER TYPICAL BRIDGING DETAILS.
- SCREWS SHALL BE SELF-DRILLING/SELF-TAPPING STEEL SCREWS INSTALLED IN ACCORDANCE WITH THE AISI-NAS SCREWS SHALL HAVE SUFFICIENT LENGTH TO ENSURE A MINIMUM OF 3 FULL THREADS SHOWING AFTER PENETRATION OF JOINED LIGHT GAUGE MATERIALS. SCREWS SHALL HAVE A MINIMUM OF 1" EDGE SPACING DISTANCE. THE MINIMUM SCREW HEAD DIAMETER SHALL BE 5/16", AND SCREW SIZES SHALL CONFORM TO THE FOLLOWING: U.N.O.
- LIGHT GAUGE STEEL CONTRACTOR SHALL PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACTS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS BEING USED.
- STEEL TRACTS THAT OCCUR UNDER ALL EXTERIOR CURTAIN WALLS, BEARING WALLS AND SHEAR WALLS SHALL BE BOLTED TO MASONRY OR CONCRETE WITH 5/8" DIA. x 12" BOLTS SPACED NOT MORE THAN 5'-0" O.C. WITH A MIN. OF 2 BOLTS FOR EACH PIECE OF TRACK. U.N.O. USE STANDARD STEEL PLATE WASHERS AT EACH BOLT LOCATION.
- ALL ANCHOR BOLTS IN STEEL TRACKS SHALL BE 4 INCH MINIMUM AND 12 INCH MAXIMUM FROM THE END OF THE TRACK, AND HAVE 7 INCH MINIMUM EMBEDMENT INTO CONCRETE OR MASONRY. ANY LOCATION WHERE A HOLE OR NOTCH OCCURS THROUGH A TRACK FLANGE, TRACK SHALL HAVE AN ADDITIONAL ANCHOR BOLT PLACED 4 INCHES TO 12 INCHES ON EACH SIDE OF THE HOLE OR NOTCH.
- ALL ANCHOR BOLTS SHALL BE MACHINE MADE TYPE F1554 GRADE 36 U.N.O. BOLTS WITH UPSET THREADS ARE NOT PERMITTED.
- ALL STEEL FRAMING MEMBERS SHALL BE DESIGNATED ON PLANS WITH THE SSMA STUD AND TRACK SECTION NOMENCLATURE AS DESCRIBED BELOW.

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SHEET
S-1
OF 20 SHEETS
DATE: 5/19/2025



STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name:

Report Page:

Date Prepared:

CA Building Energy Commission

NRCC-LTH-E

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1/16/2025

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table I. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector
7	2X4 LED	No	NA	51	Mfr. Spec	4	No	204	Pass
Total Designed Watts: CONDITIONED SPACES								204	

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75%/80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03
		Field Inspector
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Pass
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Schema Version: rev 20220101

Documentation Software: EnergyPro

Compliance ID: EnergyPro-2545-0125-6682
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CA Building Energy Commission

NRCC-LTH-E

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H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector
Whole Building	All Other Space Types	Readily Accessible	Dimmer	See Building Level	Included	Included	No	Pass
13								
Plan Sheet Showing Daylit Zones:								

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft ²)	Area (ft ²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment
Zone 1	Hospital - Exam/Treatment	1.15	270	310.5	No
Zone	Office (>250 square feet)	0.6	171	102.6	No
TOTALS:			441	413.1	See Tables J, or P for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

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Schema Version: rev 20220101

Documentation Software: EnergyPro

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STATE OF CALIFORNIA

Indoor Lighting

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K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOUR ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000
Schema Version: rev 20220101

Documentation Software: EnergyPro

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S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Form/Title

Generated Date/Time:Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Indoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name:Report Page:1/16/2025

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:Frank Cantelmi Mechanical Engineering

Documentation Author Signature:

Signature Date:2025-01-16

Address:City/State/Zip:

CSA/HERS Certification Identification (if applicable):

Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:Company:Address:City/State/Zip:

Responsible Designer Signature:

Date Signed:2025-01-16

License:

Phone:

Generated Date/Time:Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 2020101

Compliance ID: EnergyPro-2545-0125-6681

Report Generated: 2025-01-16 10:30:33

STATE OF CALIFORNIA

Mechanical Systems

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)(2) and 180.2(b)(2) for alterations.

Project Name:Report Page:1/16/2025

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A. GENERAL INFORMATION

01 Project Location (city)04 Total Conditioned Floor Area441

02 Climate Zone1305 Total Unconditioned Floor Area0

03 Occupancy Types Within Project:06 # of Stories (Habitable Above Grade)1

Healthcare FacilityOffice

B. PROJECT SCOPE

This table includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)(2) and 180.2(b)(2) for alterations.

01 Air System(s)02 Wet System Components03 Dry System Components

Heating Air SystemWater EconomizerAir Economizer

Cooling Air SystemPumpsElectric Resistance Heat

Mechanical ControlsSystem PipingFan Systems

Mechanical Controls (existing to remain, altered or new)Cooling TowersDuctwork (existing to remain, altered or new)

ChillersVentilation

BoilersZonal Systems/ Terminal Boxes

ALERT! Healthcare facilities must be ventilated in accordance with Chapter 4 of the CMC as amended by OSHPD and do not need to show compliance with Title 24, Part 6 ventilation requirements in Table J.

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STATE OF CALIFORNIA

Mechanical Systems

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C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01	02	03	04	05	06	07	08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND Pumps 140.4(k), 170.2(c)4f	AND Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND Ventilation 120.1, 160.2	AND Terminal Box Controls 140.4(d), 170.2(c)4B	AND Distribution 120.3, 140.4(f), 160.2, 160.3	AND Cooling Towers 110.2(e)2	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	
AND		AND	AND	Yes	AND	Yes	AND	COMPLIES
Mandatory Measures Compliance (See Table Q for Details)								COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

This section does not apply to this project.

G. PUMPS

This section does not apply to this project.

Generated Date/Time:

Documentation Software: EnergyPro

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H. FAN SYSTEMS & AIR ECONOMIZERS

This section does not apply to this project.

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats 110.2(b) & (c)¹, 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	Shut-Off Controls 120.2(e) & 160.3(a)2D	Isolation Zone Controls 120.2(g) & 160.3(a)2F	Demand Response 110.12 120.2(b) & 160.3(a)2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D

¹FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(a) and 140.4(a) for all nonresidential and hotel/motel and 141.0(d)4(f)150.2 160.3(a)3D, 170.2(a)4N, 170.2(a)4D for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
03	☐	
04	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/Motel Multifamily Common Use Ventilation Systems

04	05	06	07					
System Name	EX AC 1 System	System Design OA CFM Airflow¹	40	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21²		
08	09	10	11	12	13	14	15	16

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STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

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J. VENTILATION AND INDOOR AIR QUALITY

Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3³ & 160.2(c)3				Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3¹ 160.2(c)5D 160.2(c)5E 160.2(c)5D	
	Occupancy Type¹	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people¹	Required Min OA CFM	Required Min CFM	Provided per Design CFM	
Zone 1	All others	270			40.5	0	0	DCV Provided per §120.1(d)4
17	Total System Required Min OA CFM				40	18	Ventilation for this System Completes? Yes	

04

05

06

07

System Name	EX AC2	System Design OA CFM Airflow¹	26	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21²		
08	09	10	11	12	13	14	15	16

08

09

10

11

12

13

14

15

16

Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3³ & 160.2(c)3				Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3¹ 160.2(c)5D 160.2(c)5E 160.2(c)5D	
	Occupancy Type¹	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people¹	Required Min OA CFM	Required Min CFM	Provided per Design CFM	
Zone	Office space	171			25.6	0	0	DCV Provided per §120.1(d)4
17	Total System Required Min OA CFM				26	18	Ventilation for this System Completes? Yes	

¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

² Air Filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.

³ Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.

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Documentation Software: EnergyPro

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THESE DRAWINGS ARE THE PROPERTY OF CANTELMI ENGINEERING. NO PART OF THESE DRAWINGS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF CANTELMI ENGINEERING. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS SHALL BE SUBJECT TO PROSECUTION. THE USER OF THESE DRAWINGS SHALL BE RESPONSIBLE TO THE USER OF THESE DRAWINGS FOR ANY VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

STATE OF CALIFORNIA
Mechanical Systems
CERTIFICATE OF COMPLIANCE
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J. VENTILATION AND INDOOR AIR QUALITY
See Standards Tables 120.1-A and 120.1-B.
For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.
120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation.
Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).

K. TERMINAL BOX CONTROLS
This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)
This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.
01 Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.
Duct Leakage Testing
The answers to the questions below apply to the following duct systems: EX AC 1 System NR/ Common Use: Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems? No
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

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L. DISTRIBUTION (DUCTWORK and PIPING)
Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems? No
Duct leakage testing per CMC Section 603.10.1 required for these systems? Yes
11 No The scope of the project includes only duct systems serving healthcare facilities
12 Yes Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13 Yes The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14 No The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system.
15 The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16 No The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17 All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A
18 All ductwork is an extension of an existing duct system
19 Ductwork serving individual dwelling unit
20 < 25 ft of new or replacement space conditioning ducts installed
21 R-8 Duct Insulation R-value
22
23
The answers to the questions below apply to the following duct systems: EX AC2 NR/ Common Use: Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems? No
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

STATE OF CALIFORNIA
Mechanical Systems
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Date Prepared: 1/16/2025

CALIFORNIA ENERGY COMMISSION

L. DISTRIBUTION (DUCTWORK and PIPING)
Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems? No
Duct leakage testing per CMC Section 603.10.1 required for these systems? Yes
11 No The scope of the project includes only duct systems serving healthcare facilities
12 Yes Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13 Yes The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14 No The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system.
15 The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16 No The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17 All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A
18 All ductwork is an extension of an existing duct system
19 Ductwork serving individual dwelling unit
20 < 25 ft of new or replacement space conditioning ducts installed
21 R-8 Duct Insulation R-value
22
23
M. COOLING TOWERS
This section does not apply to this project.
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

STATE OF CALIFORNIA
Mechanical Systems
CERTIFICATE OF COMPLIANCE
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Date Prepared: 1/16/2025

CALIFORNIA ENERGY COMMISSION

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks.
These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/
Form/Title
NRCC-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no NRCA forms required for this project.

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
There are no NRCC forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION
This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.
01 Compliance with Mandatory Measures documented through MCH
Mandatory Measures Note Block
02 Yes Plan sheet or construction document location
M-Sheets
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

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Date Prepared: 1/16/2025

CALIFORNIA ENERGY COMMISSION

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Frank Cantelmi Mechanical Engineering
Signature Date: 2025-01-16
Address: City/State/Zip: Phone:
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner provides to the building owner at occupancy.
Responsible Designer Name: Frank Cantelmi
Signature Date: 2025-01-16
Address: City/State/Zip: Phone:
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

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CALIFORNIA ENERGY COMMISSION

C. COMPLIANCE RESULTS
If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.
Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)
01 02 03 04 05 06 07 08 09
Complete Building 140.6(c)1 Area Category 140.6(c)2 / 170.2(e)4 Additional 140.6(c)3 / 170.2(e)4b Tailored 140.6(c)3 / 170.2(e)4b Total Allowed (Watts) ≥ Total Designed (Watts) Adjustments PAF Lighting Control Credits 140.6(e)12 / 170.2(e)18 Total Adjusted (Watts) *Includes Adjustments 05 must be >= 08 140.6 / 170.2(e)
(See Table I) (See Table I) (See Table J) (See Table K) (See Table F) (See Table P)
Conditioned 413.1 0 = 413 ≥ 204 0 = 204 COMPLIES
Unconditioned = = = = = = = = = = COMPLIES
Controls Compliance (See Table H for Details) COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)
D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
Generated Date/Time: Documentation Software: EnergyPro
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6681 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

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CALIFORNIA ENERGY COMMISSION

A. GENERAL INFORMATION
01 Project Location (city) 04 Total Conditioned Floor Area (ft²) 441
02 Climate Zone 13 05 Total Unconditioned Floor Area (ft²) 0
03 Occupancy Types Within Project (select all that apply): 06 # of Stories (Habitable Above Grade) 1
Healthcare Facility Office
B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.
Scope of Work Conditioned Spaces Unconditioned Spaces
01 02 03 04 05
My Project Consists of (check all that apply): Calculation Method Area (ft²) Calculation Method Area (ft²)
New Lighting System Area Category Method 441 Area Category Method 0
New Lighting System - Parking Garage
Total Area of Work (ft²) 441 0
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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Compliance ID: EnergyPro-2545-0125-6682 Schema Version: rev 20220101 Report Generated: 2025-01-16 10:30:33

CANTELMI ENGINEERING
MECHANICAL/ELECTRICAL
LICENSE #21160
7130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-3532 FAX: (661) 324-8439 cantelmi@cantelmi.net

WEST SIDE FAMILY HEALTH CARE
100 EAST NORTH STREET,
TAFT, CA

DATE	ISSUED

DATE	MARK	ISSUED

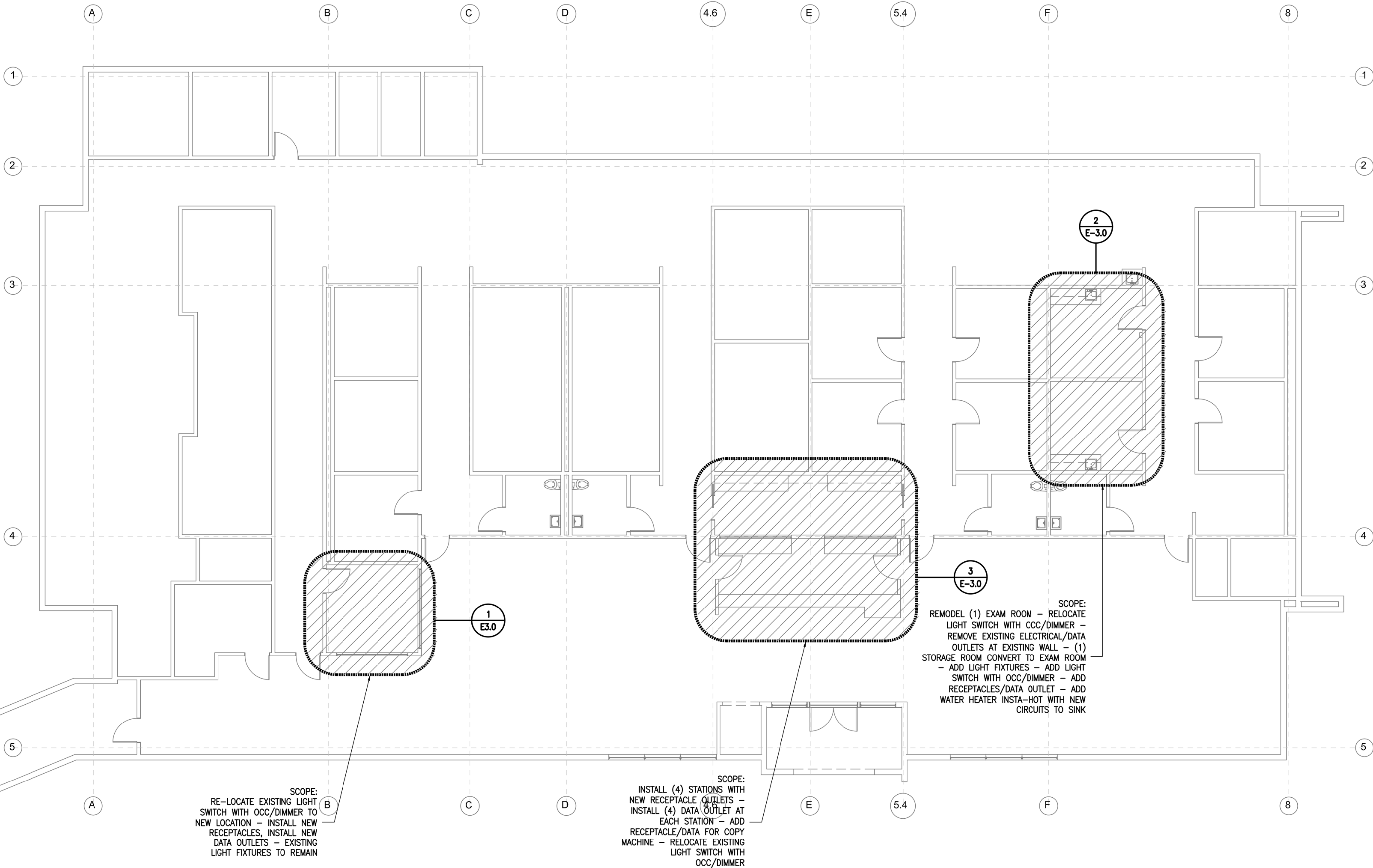
DWG. BY	
CHKD BY	
DATE	1/16/2025
JOB NO.	C24-189
FILE NO.	C24-000 T-24.DWG

FILE: S:\PROJECTS\WEST SIDE FAMILY HEALTH CARE\24-189\24-189 ELECTRICAL.dwg DATE: 2/11/2025 2:05 PM
RE: 24-189 WEST SIDE FAMILY HEALTH CARE. THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.



OVERALL FLOOR PLAN

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



CANTELM ENGINEERING
MECHANICAL/ELECTRICAL
LICENSE #21180
7130 F STREET BAKERSFIELD, CA 93301
TEL: (661) 324-3232 FAX: (661) 324-8439 cantelemi@cantelemi.net

WEST SIDE FAMILY HEALTH CARE
100 EAST NORTH STREET,
TAFT, CA

DATE	ISSUED

DATE	MARK	ISSUED

DWG. BY	A.F.
CHKD BY	K.M.
DATE	2/11/2025
JOB NO.	C24-189
FILE NO.	C24-189 ELECT.DWG



SHEET
E2.0
SHEET

- ① REMOVE AND RELOCATE EXISTING LIGHT SWITCH
- ② REMOVE AND RELOCATE EXISTING RECEPTACLE
- ③ REMOVE AND RELOCATE EXISTING CAT5 DATA
- ④ INSTALL NEW RECEPTACLE – RUN NEW 1" C
- ⑤ INSTALL NEW DATA – RUN 1" C AND NEW CAT5
- ⑥ RELOCATE LIGHT SWITCH AND THERMOSTAT TO
- ⑦ INSTALL NEW 2X4 LIGHT FIXTURE
- ⑧ REMOVE AND REPLACE EXISTING 2X4 LIGHT F
- ⑨ INSTALL NEW RECEPTACLE FOR COPY MACHIN
- ⑩ EXISTING RECEPTACLE TO REMAIN
- ⑪ EXISTING FLOOR MOUNT RECEPTACLE TO BE
- ⑫ EXISTING 2X2 LIGHT FIXTURE TO REMAIN
- ⑬ EXISTING WATER HEATER CIRCUIT TO REMAIN
- ⑭ INSTALL NEW WATER HEATER CIRCUIT – RUN
- ⑮ ADJUST HEIGHT AS REQUIRED FIELD VERIFY -
- ⑯ ADJUST HEIGHT TO EXISTING LIGHT SWITCHES
- ⑰ EXISTING RECEPTACLE TO REMAIN – FIELD
- ⑱ REMOVE EXISTING SMOKE DETECTOR – REINS
- ⑲ RELOCATE FIRE ALARM PULL STATION CONTR

-
- Technical drawing of a door frame assembly. The drawing shows a side view of the door frame and a detail view of the handle mechanism. The components are labeled with circled numbers:
- 1: Door frame profile
 - 2: Handle
 - 3: Lock cylinder
 - 4: Screws
 - 5: Lock cylinder
 - 6: Lock cylinder
 - 7: Lock cylinder
 - 8: Lock cylinder
 - 9: Lock cylinder
 - 10: Lock cylinder
 - 11: Lock cylinder
 - 12: Lock cylinder
 - 13: Lock cylinder
 - 14: Lock cylinder
 - 15: Lock cylinder
 - 16: Lock cylinder
 - 17: Lock cylinder
 - 18: Lock cylinder

WEST SIDE FAMILY HEALTH CARE
100 EAST NORTH STREET,
TAFI.CA

ISSUED	
MARK	ISSUE
BY	A.F.
BY	K.M.
	2/11/2025
	C24-189
	C24-189 ELEC



DATE	MARK	ISSUED

MECHANICAL ABBREVIATIONS			
& / ⊙ ⊕ ⊕ (E) (N) ⊕ ⊕ ⊕	AND ANGLE AT CENTER LINE PROPERTY LINE DIAMETER or ROUND EXISTING NEW PERPENDICULAR POUND or NUMBER THERMOSTAT	HB HC HD HDWE HL HORIZ HP HW HWR HWS HVAC	HOSE BIBB HANDICAPPED HEAD HARDWARE HIGH HORIZONTAL HORSEPOWER HOT WATER HOT WATER RETURN HOT WATER SUPPLY HEATING, VENTILATING, AIR CONDITIONING
A/C AP ABV ADJ AFF AE AGGR ALUM APPROX APPT ARCH. ARI ASPH ASST AUTO.	AIR CONDITIONING ACCESS PANEL ABOVE ADJUSTABLE ABOVE FINISH FLOOR ADJUSTABLE EXTRACTOR AGGREGATE ALUMINUM APPROXIMATE APPOINTMENTS ARCHITECTURAL AMERICAN REFRIGERATION INSTITUTE ASPHALT ASSISTANT AUTOMATIC	ID INSUL INT LAV LBS LPG MACH MATL MBH MCA MECH MTL MFR MIN MISC MUA	INSIDE DIAMETER (DIM.) INSULATION INTERIOR LAVATORY POUNDS LIQUID PETROLEUM GAS MACHINE MATERIAL MAXIMUM BTU PER HOUR (THOUSANDS) MINIMUM CIRCUIT AMPS MECHANICAL META MANUFACTURER MANHOLE MIN MISCELLANEOUS MAKE UP AIR
BD BDD (BF) (BG) BLDG BLKG BM BTUH BTM BV	BALANCING DAMPER BACKDRAFT SAMPER BELOW FINISH FLOOR BELOW FINISH GRADE BUILDING BLOCKING BEAM BRITISH THERMAL UNIT/ HOUR BOTTOM BALL VALVE	(N) NIC NO. or # NOM NTS	NEW NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE
CA CAP CD CFD CFM CHW CHWR CHWS CJ CLG CLKG CLR CO COL COMP CONC CONF CONN CONST CONT CORR CSE CKS CTR CV	COMBUSTION AIR CAPACITY CONDENSATE DRAIN CEILING FIRE DAMPER CUBIC FEET PER MINUTE CHILLED WATER CHILLED WATER RETURN CHILLED WATER SUPPLY CONTROL JOINT CEILING CAULKING CLEAR CLEANOUT COLUMN COMPRESSED CONCRETE CONFERENCE CONNECTION CONSTRUCTION CONTINUOUS CORRIDOR CALIFORNIA SEASONAL EFFICIENCY COUNTERSUNK CENTER CHECK VALVE	OA OBD OC OSA OVHD PTN PHYS POL PVC PLAS PLYWD POC PREFAB PREP PSI PW	OVERALL OPPOSED BLADE DAMPER ON CENTER OUTSIDE AIR OVERHEAD PARTITION PHYSICAL PRESSURE RELIEF POLY-VINYL CHLORIDE PIPE PLASTER PLYWOOD POINT OF CONNECTION PREFABRICATED PREPARATION POUNDS PER SQUARE INCH PROCESSED WATER
DBL DB DEPT DET DF DHW DHWR DIA or ⌀ DIR DN DR DSP DTR DTW DWG	DOUBLE DRY BULD (TEMPERATURE) DEPARTMENT DETAIL DRINKING FOUNTAIN DOMESTIC HOT WATER DOMESTIC HOT WATER RETURN DIAMETER DIRECTOR DOWN DOOR DOWNSPOUT DRY STANDPIPE DUCT THRU ROOF DUCT THRU WALL DRAWING	R RA RAD. RAG REF REINF REQD ROOM RND	RISER RETURN AIR RADIUS RETURN AIR GRILLE REFERENCE REINFORCE REQUIRED ROOM ROUND
E EAG EDB EER ELEC ELEV EMER ENCL ENL EQ EQUIP (E) ESP EWB EXPO. EXT	EAST EXHAUST AIR EXHAUST AIR GRILLE ENTERING DRY BULB ENERGY EFFICIENCY RATIO ELECTRICAL ELEVATION EMERGENCY ENCLOSURE ELECTRICAL PANEL EQUAL EQUIPMENT EXISTING EXTERNAL STATIC PRESSURE ENTERING WET BULB EXPOSED EXTERNAL	S SA SAD SAG SAR SCHD SD SEER SECT. SHT SIM SQU SPEC SP SOV SSV SSS STD STL STOR STRUCT SUPV SUSP S&W	SOUTH SUPPLY AIR SUPPLY AIR DIFFUSER SUPPLY AIR GRILLE SUPPLY AIR REGISTER SCHEDULE SMOKE DETECTOR SEASONAL ENERGY EFFICIENCY SECTION SHEET SIMILAR SQUARE SPECIFICATION STATIC PRESSURE SHUT-OFF VALVE SERVICE STAINLESS STEEL STANDARD STEEL STORAGE STRUCTURAL SUPERVISOR SUSPENDED SOIL & WASTE
FA FC FD FDN FE FEC FHC FHMS FIN. FLA FLASH. FM FOC FOF FPM FRPF FSC FSD FSL FLU FUNC FURR FUT	FIRE ALARM FLEXIBLE CONNECTION FIRE DAMPER FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE HOSE CAB. FLAT HEAD METAL SCREW FINISH FULL LOAD AMPS FLASHING FIRE MAIN FACE OF CONCRETE FACE OF FINISH FEET PER MINUTE FIREPROOF FAN SPEED CONTROL FIRE SMOKE DAMPER FIRE SPRINKLER LINE FLUE THRU ROOF FUNCTION FURRING FUTURE	TC TEL TER TG THK TOC TP TRANS TREAT. TYP TV V VD VTR VSAD W W/ WB WHD WH W/O WMF WP WT YD	TOP OF CURB TELEPHONE TERRAZZO TRIFERR GRILLE THICK TOP OF CONCRETE TRAP PRIMER TRANSITION TREATMENT TYPICAL TEMPERING VALVE VENT VOLUME DAMPER VENT THRU ROOF VARIABLE SUPPLY AIR DIFFUSER WASTE LINE WITH WET BULB TEMPERATURE WALL FIRE DAMPER WATER HEATER WATER HAMMER ARRESTOR WITHOUT WASHING MACHINE FITTING WATERPROOF WEIGHT YARD
GA GALV GEN GI GL GPM GR GRD G	GAUGE or GAGE GALVANIZED GENERAL GALVANIZED IRON GLASS GALLONS PER MINUTE GRADE GROUND GAS LINE		

DUCT SIZING REQUIREMENTS

0-90 CFM	600 FPM	.08 LOSS	PER 100FT	6" DIAMETER
90-200 CFM	600 FPM	.08 LOSS	PER 100FT	8" DIAMETER
200-375 CFM	700 FPM	.08 LOSS	PER 100FT	10" DIAMETER
375-600 CFM	800 FPM	.08 LOSS	PER 100FT	12" DIAMETER
600-900 CFM	875 FPM	.08 LOSS	PER 100FT	14" DIAMETER
900-1200 CFM	900 FPM	.08 LOSS	PER 100FT	16" DIAMETER
1200-1600 CFM	900 FPM	.08 LOSS	PER 100FT	18" DIAMETER
1600-2000 CFM	900 FPM	.08 LOSS	PER 100FT	20" DIAMETER
2000-2400 CFM	900 FPM	.08 LOSS	PER 100FT	22" DIAMETER

NOTES:

1. ALL ELBOWS TO BE SMOOTH RADIUS
2. ALL FITTINGS TO BE OF INDUSTRY STANDARD TYPE WITH COEFFICIENTS PUBLISHED IN MANUAL Q

SYMBOL	DESCRIPTION
	AIR CONDITION UNIT
	SUPPLY AIR CEILING DIFFUSER
SIZE CFM	SUPPLY AIR CEILING DIFFUSER
SIZE CFM	SUPPLY VARIABLE AIR CEILING DIFFUSER HEAT & COOL
SIZE CFM	RETURN AIR CEILING REGISTER
SIZE CFM	EXHAUST AIR CEILING REGISTER
SIZE CFM	SUPPLY AIR WALL DIFFUSER
SIZE CFM	RETURN AIR WALL REGISTER
SIZE CFM	EXHAUST AIR WALL REGISTER
SIZE	TRANSFER GRILLE
	DUCTWORK (RECTANGULAR)
	DUCTWORK (ROUND)
	LINED DUCTWORK
	TURNIG VANE
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTION
	MANUAL AIR VOLUME DAMPER
	FIRE DAMPER
	SMOKE FIRE DAMPER
	<u>OUTSIDE AIR INTAKE</u> MIN. CFM
	ROOM THERMOSTAT — SUBSCRIPT INDICATES UNIT CONTROL
	BYPASS TIMER
	TIME CLOCK
	ON/OFF SWITCH
	FAN SPEED CONTROL
	DUCT SMOKE DETECTOR
	POINT OF CONNECTION
	CEILING EXHAUST FAN
	FURNACE (VERTICAL)

FURNACE (HORIZONTAL)

CONDENSING UNIT

SECTION 1

BASIC MECHANICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 SUMMARY

A. LABOR, MATERIALS, TOOLS, AND SERVICES FOR A COMPLETE INSTALLATION OF EQUIPMENT AND SYSTEM CONTAINED IN THE CONTRACT DOCUMENTS.

B. PRINCIPAL FEATURES OF THE WORK INCLUDED ARE:

1. HEATING, VENTILATING, AIR CONDITIONING SYSTEMS, CONTROLS, AND MECHANICAL SYSTEM INSULATION.
2. ROOF CURBS FOR HVAC SYSTEMS, INTAKE HOODS, LOUVERS, SUPPLY FANS, AND RELIEF VENTS FURNISHED AND SET UNDER THIS DIVISION.
3. REFRIGERANT PIPING, CONNECTIONS, REFRIGERANT AND REFRIGERANT CHARGES.
4. EXCAVATING AND BACKFILLING FOR MECHANICAL WORK; COORDINATE WITH APPROPRIATE TRADE.
5. ANCHOR BOLTS, SLEEVES, SUPPORTS AND SIMILAR ITEMS TO BE BUILT INTO CONCRETE OR MASONRY.
6. PREPARATION FOR TESTING AND BALANCE OF MECHANICAL SYSTEMS AND CORRECTING DEFICIENCIES.
7. PREPARATION AND SUBMITTAL OF SHOP DRAWING AND PRODUCT DATA.
8. MAINTAINING A RECORD SET OF BLUE LINE PRINTS AND MAKING THEM TO INDICATE LOCATIONS OF CONCEALED ITEMS, AND DEVIATIONS MADE TO SUIT CONDITIONS AND PRODUCTION OF MECHANICAL AS-BUILT (RECORD) DRAWINGS.

1.2 JOB CONDITIONS

A. SUBMITTAL OF BID IMPLIES BIDDER HAS READ APPLICABLE PARAGRAPHS OF THE SPECIFICATIONS AND WILL BE BOUND BY THEIR CONDITIONS.

1.3 LOCAL CONDITIONS

A. CONFORM WITH LOCAL CONDITIONS. COORDINATE WITH LOCAL UTILITIES ON SIZE OF UTILITY SERVICE. 1.4 INTENT

A. THE CONTRACT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) DESCRIBE THE MECHANICAL WORK OF THIS PROJECT ANY ITEMS MENTIONED IN ONE PART SHALL BE AS BINDING AS THOUGH MENTIONED IN BOTH.

B. THE CONTRACT DOCUMENTS FORM A GUIDE FOR A COMPLETE MECHANICAL INSTALLATION. WHERE AN ITEM IS REASONABLY NECESSARY BUT NOT SPECIFICALLY MENTIONED, SUCH AS DUCT HANGERS OR TRANSITIONS, PIPING OFFSETS, DRAINS, ETC., FOR A COMPLETE SYSTEM, PROVIDE SAME.

C. MECHANICAL LAYOUTS INDICATED ON DRAWINGS ARE DIAGRAMMATIC ONLY. EXACT LOCATIONS OF DUCTS, AND EQUIPMENT SHALL BE GOVERNED BY THE DRAWINGS OF RELATED TRADES.

1.5 DEVIATIONS

A. NO DEVIATIONS FROM SPECIFICATIONS AND DRAWINGS SHALL BE MADE WITHOUT FULL KNOWLEDGE AND WRITTEN CONSENT OF CONSTRUCTION MANAGER.

B. SHOULD CONTRACTOR FIND, DURING PROGRESS OF WORK, CONDITIONS WHICH DICTATE A MODIFICATION OF ANY PARTICULAR REQUIREMENTS, REPORT SUCH ITEM PROMPTLY FOR DECISION OF INSPECTORS.

1.6 QUALITY ASSURANCE

A. COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES.

B. CONFORM WITH APPLICABLE REQUIREMENTS OF RECOGNIZED INDUSTRY ASSOCIATIONS WITH PROMULGATE STANDARDS FOR THE VARIOUS TRADES. (SEE INDIVIDUAL SECTIONS OF DIVISION 15.)

C. EMPLOY ONLY QUALIFIED JOURNEYMEN FOR THIS WORK. EMPLOY COMPETENT, QUALIFIED MECHANICS TO SUPERVISE THE WORK.

1.7 CODES AND STANDARDS

A. PERFORM WORK SPECIFIED IN DIVISION 15 IN ACCORDANCE WITH THE APPLICABLE CODES AND STANDARDS LISTED BELOW, AND SUCH STANDARDS THAT MAY BE SPECIFIED IN OTHER SECTIONS. WHEN THESE SPECIFICATIONS ARE MORE STRINGENT, THEY TAKE PRECEDENCE. IN CASE OF CONFLICT, OBTAIN A DECISION FROM THE MECHANICAL ENGINEER.

1. NFPA 554: NATIONAL FUEL AND GAS CODE.
2. NFPA 90A: AIR CONDITIONING AND VENTILATION SYSTEMS.
3. NFPA 101: LIFE SAFETY CODE.
4. APPLICABLE STATE BUILDING CODE.
5. APPLICABLE STATE MECHANICAL CODE.
6. HANDICAPPED CODE ANSI A117.1 AND ADA
7. APPLICABLE STATE ENERGY CODE.
8. AGA: AMERICAN GAS ASSOCIATION.
9. ANSI: AMERICAN NATIONAL STANDARDS INSTITUTE.
10. ASH: AMERICAN REFRIGERATION INSTITUTE.
11. ASHRAE: AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS.
12. ASME: AMERICAN SOCIETY FOR MECHANICAL ENGINEERS.
13. ASTM: AMERICAN SOCIETY FOR TESTING AND MATERIALS.
14. MSS: MANUFACTURER'S STANDARDIZATION SOCIETY OF THE VALVE AND FITTING INDUSTRY.
15. NFPA: NATIONAL FIRE PROTECTION ASSOCIATION.
16. SMACNA: SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION.
17. UL: UNDERWRITERS' LABORATORIES, INC.

1.8 COORDINATION

A. CAREFULLY EXAMINE SPECIFICATIONS AND DRAWINGS TO BE THOROUGHLY FAMILIAR WITH ITEMS WHICH REQUIRE HVAC CONNECTIONS AND COORDINATION.

B. COORDINATE WITH OTHER DIVISIONS TO LEAVE PROPER CHASES AND OPENINGS. PLACE OUTLETS, ANCHORS, SLEEVES, AND SUPPORTS PRIOR TO POURING CONCRETE OF INSTALLATION OF MASONRY WORK.

1.9 SUBMITTALS

A. SUBMITTALS ARE ONLY REQUIRED FOR SPECIFIC ITEMS OF EQUIPMENT OR MATERIAL LISTED IN INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS.

B. WITHIN 15 DAYS AFTER AWARD OF CONTRACT FOR THIS WORK, SUBMIT A LIST OF PROPOSED MANUFACTURERS (OF EQUIPMENT OR MATERIAL TO BE USED) FOR APPROVAL. SUBMIT THIS LIST BEFORE SUBMITTAL OF SHOP DRAWINGS AND PRODUCT DATA, AND OBTAIN APPROVAL BEFORE SUBMITTING REQUIRED ITEMS.

C. SHOP DRAWINGS (NOT REQUIRED FOR OWNER FURNISHED EQUIPMENT).

1.10 DELIVERY AND STORAGE

A. INsofar AS POSSIBLE, DELIVER ITEMS IN MANUFACTURER'S ORIGINAL UNOPENED PACKAGING. WHERE THAT IS NOT PRACTICAL, COVER ITEMS WITH PROTECTIVE MATERIALS TO KEEP THEM FROM BEING DAMAGED. USE CARE IN LOADING, TRANSPORT, UNLOADING, AND STORAGE TO KEEP ITEMS FROM BEING DAMAGED.

1.11 FIRE RATINGS

A. MATERIALS USED ANYWHERE IN THE WORK MUST HAVE NFPA RATINGS AS FOLLOWING:

1. FLAME SPREAD - NOT OVER 25
2. SMOKE DEVELOPED - NOT OVER 50
3. FUEL CONTRIBUTED - NOT OVER 25

B. MATERIALS SHALL BE "SELF EXTINGUISHING".

1.12 PERMITS AND FEES

A. OBTAIN, PAY FOR, AND DELIVER PERMITS, CERTIFICATION OF INSPECTION, AND OTHER SUCH ITEMS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION. DELIVER CERTIFICATION TO THE CONSTRUCTION MANAGER PRIOR TO FINAL ACCEPTANCE OF THE WORK. AN INSPECTION CERTIFICATE FOR EACH CLASS OF WORK REQUIRING INSPECTION MUST BE SUBMITTED PRIOR TO OR WITH THE FINAL PAYMENT INVOICE. THE RESPONSIBLE TRADE CONTRACTOR MUST MAKE APPLICATION FOR THE INSPECTION, COORDINATE SAME AND PAY THE REQUIRED INSPECTION FEE.

1.13 EXTENDED WARRANTIES

A. WORK FURNISHED UNDER THE CONTRACT SHALL BE WARRANTED AGAINST DEFECTS IN WORKMANSHIP AND (CONTRACTOR FURNISHED) MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR, OR AS OTHERWISE SPECIFIED, FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED, AND DEFECTIVE MATERIAL REPLACED, WITHOUT ADDITIONAL COST. WHEN DEFECTS IN A TRADE CONTRACTOR'S WORK CAUSES DAMAGE TO THE WORK OF THE OTHER TRADE CONTRACTORS, SUCH DAMAGE SHALL BE REPAIRED BY THE TRADE CONTRACTOR CAUSING DAMAGE AND WORK RESTORED TO ITS ORIGINAL CONDITION, AT THE EXPENSE OF THE TRADE CONTRACTOR THAT CAUSED THE DAMAGE.

GENERAL MECHANICAL NOTES

PART 2 –PRODUCTS 2.1
MATERIALS AND EQUIPMENT

A. WITHIN THE CONTRACT DOCUMENTS RELATING TO MECHANICAL WORK, MANUFACTURER'S NAMES, CATALOG NUMBERS, AND OTHER PROPRIETARY REFERENCES TO MATERIALS AND EQUIPMENT ARE MADE. SUCH REFERENCES ARE MADE TO ESTABLISH THE STANDARDS OF QUALITY AND TYPE REQUIRED, AND NOT TO LIMIT COMPETITION. ACCEPTABLE MANUFACTURER'S OF COMPETITIVE PRODUCTS ARE LISTED IN APPLICABLE SECTIONS AS "APPROVED EQUALS". REASONABLE REQUESTS FOR SUBSTITUTION OR ADDITIONS TO "APPROVED EQUALS" WILL BE CONSIDERED, BUT THE MECHANICAL ENGINEER WILL BE THE SOLE JUDGE OF ACCEPTABILITY OF ITEMS PROPOSED AS SUBSTITUTES.

B. MATERIALS AND EQUIPMENT USED IN CARRYING OUT THESE SPECIFICATIONS SHALL BEAR UL OR OTHER RECOGNIZED TESTING LABORATORY LABEL WHEN SUCH LABELS ARE AVAILABLE.

PART 3 – EXECUTION

3.1 LOCATIONS

A. MECHANICAL LAYOUTS INDICATED ON DRAWINGS ARE DIAGRAMMATIC. EXACT LOCATIONS OF DUCT, AND EQUIPMENT MAY VARY BECAUSE OF CONFLICTS WITH WORK OF OTHER TRADES. WORK OUT CONFLICTS WHERE RELOCATION'S WILL NOT AFFECT OPERATION OR APPEARANCE OF SYSTEMS.

B. LOCATE EQUIPMENT REQUIRING PERIODIC SERVICING SO THAT IT IS READILY ACCESSIBLE. DO NOT BACK UP SERVICES TO WALLS, NOR PLACE IT TOO CLOSE TO OTHER EQUIPMENT TO MAKE SERVICE IMPRACTICAL. EQUIPMENT SERVICE CLEARANCE SHALL MEET MINIMUM ACCEPTABLE DISTANCE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.

A. 3.2 UTILITIES EXCAVATING AND BACKFILLING

A. PERFORM TRENCHING, EXCAVATING, BACKFILLING FOR MECHANICAL WORK IN ACCORDANCE WITH THE APPROPRIATE SECTIONS AND AS SET FORTH BELOW

1. PERFORM WORK NECESSARY FOR INSTALLATION OF MECHANICAL UTILITIES.

2. DEPTH OF EXCAVATION TO PROVIDE A MINIMUM OF 3" ABOVE TOP OF PIPE. EXCAVATION TO BE CARRIED TO A DEPTH OF AT LEAST 6" BELOW BOTTOM OF PIPE ELEVATION. FILL BELOW PIPE (6"), AROUND PIPE, AND A MINIMUM OF 12" ABOVE PIPE WITH SAND OR CLASS "B" CRUSHED STONE TAMPED FIRM AND EVEN. SEPARATE TOPSOIL DURING EXCAVATION. FINAL LAYER OR DIRT (1/2" MINIMUM) TO BE TOPSOIL. TRENCHES TO BE AT LEAST 18" WIDER THAN PIPE WITH BATTER BOARDS PLACED EVERY 25'. BACKFILLING SHALL BE DONE TO EXCLUDE USE OF ROCK OR STONE ABOVE SAND OR CRUSHED STONE.

3.3 CUTTING AND PATCHING

A. REPAIR OR REPLACE ROUTINE DAMAGE CAUSED BY CUTTING IN PERFORMANCE OF CONTRACT.

B. CORRECT UNNECESSARY DAMAGE CAUSED DUE TO INSTALLATION OF MECHANICAL WORK.

C. PERFORM REPAIRS WITH MATERIALS WHICH MATCH EXISTING AND INSTALL IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THESE SPECIFICATIONS OR THE BEST STANDARDS OF THE INDUSTRY.

3.4 CONNECTION TO EQUIPMENT

A. CONNECT OR INSTALL EQUIPMENT SHOWN ON MECHANICAL DRAWINGS THAT REQUIRE MECHANICAL HOOKUPS.

3.5 SERVICE OF SYSTEM

A. IF EQUIPMENT IS PLACED IN SERVICE PRIOR TO ACCEPTANCE OF THE PROJECT, OPERATE EQUIPMENT STRICTLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALL NEW FILTERS IN EQUIPMENT PRIOR TO OWNER OCCUPANCY BUILDING

B. EMPLOY COMPETENT, QUALIFIED PERSONNEL IN OPERATION OF THE EQUIPMENT.

C. PROVIDE FOR PROPER OPERATION AND CLEANLINESS.

D. OPEN UP EQUIPMENT FOR INSPECTION AS DIRECTED BY THE SUPERINTENDENT.

E. LUBRICATE EQUIPMENT AND PERFORM SUCH OTHER MAINTENANCE AS REQUIRED TO PLACE IT IN FIRST CLASS OPERATING CONDITION.

END OF SECTION

SECTION 2

A. HEATING, VENTILATION AND AIR CONDITIONING PART 1 – GENERAL 1.1 RELATED DOCUMENTS

A. REFER TO DRAWINGS AND CONTRACT FOR MATERIALS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR OR FURNISHED AND INSTALLED BY OWNER.

1.2 SCOPE OF WORK

A. FURNISH ALL LABOR, SUPERVISION, AND EQUIPMENT (UNLESS EQUIPMENT IS SPECIFICALLY NOTED AS 'OWNER FURNISHED') FOR THE COMPLETE INSTALLATION OF HEATING, VENTILATION, AND AIR CONDITIONING SYSTEM TOGETHER WITH ALL NECESSARY AUXILIARIES AND APPURTENANCES.

1.3 QUALITY ASSURANCE

A. MANUFACTURER'S QUALIFICATIONS – INSTALL PACKAGED UNITS, AS INDICATED IN THE DRAWINGS, IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND REQUIREMENTS. PROVIDE RELATED PRODUCTS AND ACCESSORIES FROM ONE MANUFACTURER. STORE MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION PROTECTING FROM DIRT, MOISTURE, CONTAMINANTS, AND WEATHER.

B. CODES AND STANDARDS – PERFORM ALL INSTALLATION IN ACCORDANCE WITH THE LATEST STANDARDS AS RECOGNIZED BY ASHRAE, SMACNA AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES.

C. WORKMANSHIP – EXPERIENCED, WELL – TRAINED WORKERS, COMPETENT TO COMPLETE THE WORK AS SPECIFIED, SHALL PERFORM LABOR IN CONFORMANCE WITH GENERALLY ACCEPTED TRADE STANDARDS. INSTALL ALL EQUIPMENT SQUARE AND PLUMB ALLOWING ACCESS FOR PROPER OPERATION, ADJUSTMENT AND SERVICE.

1.4 STRUCTURAL AND SPACE CONDITIONS

A. ALL WORK SHALL AVOID OBSTRUCTIONS AND INTERFERENCE WITH OTHER TRADES, PRESERVE HEADROOM AND KEEP OPENINGS AND PASSAGEWAYS CLEAR AND FREE.

1.6 VIBRATION AND NOISE

A. INSTALL EACH OF THE VARIOUS PIECES OF EQUIPMENT TO OPERATE WITHOUT OBJECTIONABLE VIBRATION OR NOISE.

1.7 CUTTING AND PATCHING

A. CUTTING OR PATCHING NECESSARY TO PERMIT THE INSTALLATION OF ANY WORK UNDER THIS CONTRACT SHALL BE THE RESPONSIBILITY OF THIS TRADE. CUTTING AND PATCHING SHALL BE COORDINATED WITH OTHER TRADES SO AS NOT TO IMPACT OTHER WORK

1.8 BALANCING AND TESTING

A. TEST AND BALANCE SHALL BE PERFORMED BY A NATIONALLY QUALIFIED TEST AND BALANCE COMPANY. BALANCE COMPANY SHALL BE AN NEBB COMPANY.

B. CONTRACTOR SHALL COORDINATE TESTING WITH THE TESTING AND BALANCE COMPANY. ALL SYSTEMS SHALL BE FULLY OPERATIONAL PRIOR TO COMMENCEMENT OF TESTING. CORRECT ALL DEFICIENCIES NOTED IN THE TEST AND BALANCE REPORT WITHIN THREE DAYS OR PRIOR TO ACCEPTANCE OF THE PROJECT.

C. ASSUME RESPONSIBILITY FOR CORRECTING ALL ITEMS DETERMINED TO BE THE RESULT OF IMPROPER OR INCOMPLETE INSTALLATION. EXTRA TESTING REQUIRED DUE TO SUCH DEFICIENCIES WILL BE AT CONTRACTOR'S EXPENSE.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEST REPORTS TO THE LOCAL BUILDING AND HEALTH DEPARTMENTS AS REQUIRED FOR CERTIFICATE OF OCCUPANCY.

PART 2 - PRODUCTS

2.1 AIR CONDITIONING UNITS, FANS AND AIR DEVICES
A. SHALL BE AS INDICATED ON THE DRAWINGS.

2.2 DUCTWORK
A. RECTANGULAR AND ROUND DUCT FABRICATION, GENERAL - EXCEPT AS OTHERWISE INDICATED, FABRICATE RECTANGULAR AND ROUND DUCTS WITH GALVANIZED SHEET STEEL, IN ACCORDANCE WITH SMACNA - HVAC DUCT CONSTRUCTION STANDARDS AND TABLES INCLUDING THEIR ASSOCIATED DETAILS. CONFORM TO THE REQUIREMENTS IN THE REFERENCED STANDARD FOR METAL THICKNESS, REINFORCING TYPES AND INTERVALS, TIE ROD APPLICATIONS, AND JOINT TYPES AND INTERVALS. AN APPROVED FLEXIBLE DUCT MAY BE USED FOR THE LAST 5 FT. CONNECTION TO REGISTERS.

2.3 DUCT ACCESS PANELS AND DOORS
A. IN SHEET METAL WORK, HOLLOW CORE DOUBLE CONSTRUCTION OF SAME OR HEAVIER GAGE MATERIAL AS DUCT IN WHICH INSTALLED, PRODUCTS BY CESCO, VENT PRODUCTS, AIR BALANCE, OR EQUIVALENT.

2.4 DUCTWORK SPECIALTIES
A. VOLUME AND SPLITTER DAMPERS
1. GALVANIZED SHEET METAL BLADE AND FRAME WITH VENTFABRICE INC. VENTLOK OPERATING HARDWARE.
2. FOR ACCESSIBLE DAMPERS, PROVIDE #641 SELF - LOCKING DIAL REGULATORS AND #644 SELF - LOCKING DIAL REGULATORS FOR INSULATED DUCTWORK, #637 SQUARE END BEARING, AND #635 SPRING END BEARING, AS APPLICABLE.
3. FOR INACCESSIBLE DAMPERS, PROVIDE #666 OR #667 CONCEALED LOCKING DAMPER REGULATOR WITH BEARING AS ABOVE. FOR STATIC PRESSURES ABOVE 3" W.G., PROVIDE #640 HIVE DIAL REGULATOR AND #609 HIVE END BEARING FOR ACCESSIBLE DAMPERS.
B. MULTI - LOUVER VOLUME STEEL FRAME
1. 16 - GAUGE GALVANIZED STEEL FRAME. OPPOSED, 6" WIDE, 16 - GAUGE GALVANIZED STEEL BLADES. CONCEALED LINING IN FRAME.
C. TITUS #46 - 35 - B. RUSKIN #CD35/ OBD OR EQUAL
C. FLEXIBLE CONNECTIONS
1. PROVIDE FLEXIBLE CONNECTORS AT THE DISCHARGE AND INLET OF FANS, AIR HANDLERS, ROTATING MECHANICAL EQUIPMENT, AND WHERE SHOWN ON THE DRAWINGS FOR PROPER VIBRATION ISOLATION.
2. NEOPRENE IMPREGMATED GLASS CLOTH WITH 24 - GAUGE GALVANIZED METAL FRAME. MINIMUM DIMENSIONS - 3" METAL, 3" FABRIC, 3" METAL.
3. DURO DYNE #M4N, VENT FABRICS #VENTGLAS, Q INDUSTRIES, CONSOLIDATED KINETICS, ELGEN, OR EQUAL.
D. BACKDRAFT DAMPERS
1. COUNTERWEIGHT TYPE COMPLETE WITH FRAME, END BEARING, COUNTERBALANCE ASSEMBLY, BLADES, AND LINKAGE.
2. INSTALL AT OUTSIDE AIR INTAKE, EXHAUST OUTLETS, AND WHERE SHOWN ON DRAWINGS.
3. PACIFIC AIR PRODUCTS #PRD - 100AL, RUSKIN #CBS - 7 OR EQUAL BY AMERICAN WARMING. OR VENT PRODUCTS.
E. TURNING VANES
1. PROVIDE TURNING VANES AT ALL 90° AND 45° SQUARE ELBOWS. TURNING VANES SHALL BE DOUBLE WALL AIR FLOW TYPE CONSTRUCTED AND INSTALLED AS PER SMACNA.

2.5 DUCT INSULATION
A. ACCEPTABLE MANUFACTURERS: PROVIDE PRODUCTS OF THE FOLLOWING MANUFACTURES, COMPLYING WITH SPECIFIED REQUIREMENTS. EQUIVALENT PRODUCTS OF OTHER MANUFACTURERS WILL BE CONSIDERED.
1. OWENS - CORNING FIBERGLASS CORP.
2. MANVILLE PRODUCTS CORP.
3. CERTAINTED CORP.
B. ALL INSULATION MATERIAL SHALL COMPLY WITH APPLICABLE ENERGY CONSERVATION REGULATION FOR PROJECT LOCATION.
C. PROVIDE COMPOSITE MECHANICAL INSULATION (INSULATION, JACKET, COVERINGS, SEALERS, MASTICS, AND ADHESIVES) WITH FLAME - SPEED INDEX OF 25 OR LESS, AND SMOKE - DEVELOPED INDEX OF 50 OR LESS, AS TESTED BY ASTM E84 (NFA 255) METHOD.
D. PROVIDE STAPLES, BANDS, WIRES, TAPE, ANCHORS, CORNER ANGLES AND SIMILAR ACCESSORIES AS RECOMMENDED BY INSULATION MANUFACTURER FOR APPLICATIONS INDICATED.
E. PROVIDE CEMENTS, ADHESIVES, COATINGS, SEALERS, PROTECTIVE FINISHES, AND SIMILAR COMPOUNDS AS RECOMMENDED BY INSULATION MANUFACTURER FOR APPLICATIONS INDICATED.

2.6 REFRIGERANT PIPING
A. REFRIGERANT PIPING TO BE COPPER SEAMLESS, VACUUM PACKED TUBING.
B. ALL SUCTION LINES TO SLOPE BACK TOWARDS CONDENSING UNIT.
C. ALL SUCTION LINES HEADING UP TOWARDS CONDENSING UNIT SHALL HAVE A "P" TRAP.
D. PROVIDE SIGHT GLASS AND FILTER DRIER ON LIQUID LINES AT CONDENSING UNITS.
E. ALL REFRIGERANT PIPING UNDERGROUND TO BE CONTAINED IN A PVC SLEEVE.
F. REFRIGERANT PIPING TO BE SIZED AND INSTALLED AS PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS.
G. REFRIGERANT PIPING TO BE INSULATED WITH ARMAFLEX INSULATION.
H. INSTALL AIREX PRO-SYSTEM KIT AIR-TIGHT SEALING WITH A WALL-MOUNTED PIPING OUTLET AND A UV/VAPOR RETARDING PIPING INSULATION PROTECTOR FOR EXTERIOR APPLICATIONS OF HVAC REFRIGERANT PIPING WALL PENETRATIONS AND OUTDOOR INSULATION. NO "ARMAFLEX" ALLOWED

2.7 HVAC CONTROLS
A. SHALL BE AS INDICATED ON THE DRAWINGS.
B. ELECTRIC AND ELECTRONIC HVAC CONTROLS - COMPONENTS AND OPERATING FEATURES AS INDICATED ON THE DRAWINGS.

PART 3 - EXECUTION
3.1 HVAC SYSTEM INSTALLATION, GENERAL SEQUENCE, COORDINATE, AND INTEGRATE THE VARIOUS ELEMENTS OF MECHANICAL SYSTEMS, MATERIALS, AND EQUIPMENT. COMPLY WITH THE FOLLOWING REQUIREMENTS
1. COORDINATE MECHANICAL SYSTEMS, EQUIPMENT, AND MATERIALS WITH OTHER BUILDING COMPONENTS.
2. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
3. ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS DURING PROGRESS OF CONSTRUCTION, TO ALLOW FOR MECHANICAL INSTALLATIONS.
4. COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES TO BE SET IN POURED IN PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED.
5. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK. GIVE PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING IN THE BUILDING.
6. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.
7. COORDINATE CONNECTION OF MECHANICAL SYSTEMS WITH EXTERIOR UNDERGROUND AND OVERHEAD UTILITIES AND SERVICES. COMPLY WITH REQUIREMENTS OF GOVERNING REGULATIONS, FRANCHISED SERVICE COMPANIES, AND CONTROLLING AGENCIES. PROVIDE REQUIRED CONNECTION FOR EACH SERVICE.
8. INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT TO CONFORM WITH DRAWINGS AND SPECS. TO GREATEST EXTENT POSSIBLE - CONFORM TO ARRANGEMENTS INDICATED BY THE CONTRACT DOCUMENTS, RECOGNIZING THAT PORTIONS OF THE WORK ARE SHOWN ONLY IN DIAGRAMMATIC FORM. WHERE COORDINATION REQUIREMENTS CONFLICT WITH INDIVIDUAL SYSTEM REQUIREMENTS, REFER CONFLICT TO THE CONTRACTOR FOR RESOLUTION PRIOR TO INSTALLATION.
9. INSTALL SYSTEMS, MATERIALS, AND EQUIPMENT LEVEL AND PLUMB, PARALLEL AND PERPENDICULAR TO OTHER BUILDING SYSTEMS AND COMPONENTS, WHERE INSTALLED EXPOSED IN FINISHED SPACES
10. INSTALL MECHANICAL EQUIPMENT TO FACILITATE SERVICING, MAINTENANCE, AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL.

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WEST SIDE FAMILY HEALTH CARE

100 EAST NORTH STREET,

TAFT, CA

DATE	ISSUED

DATE	MARK	ISSUED

DWG. BY	
CHKD BY	F.C.
DATE	2/11/2025
JOB NO.	C24-189
FILE NO.	C24-189 MECH.DWG

RYAN J. CANTEELMI

PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

21190

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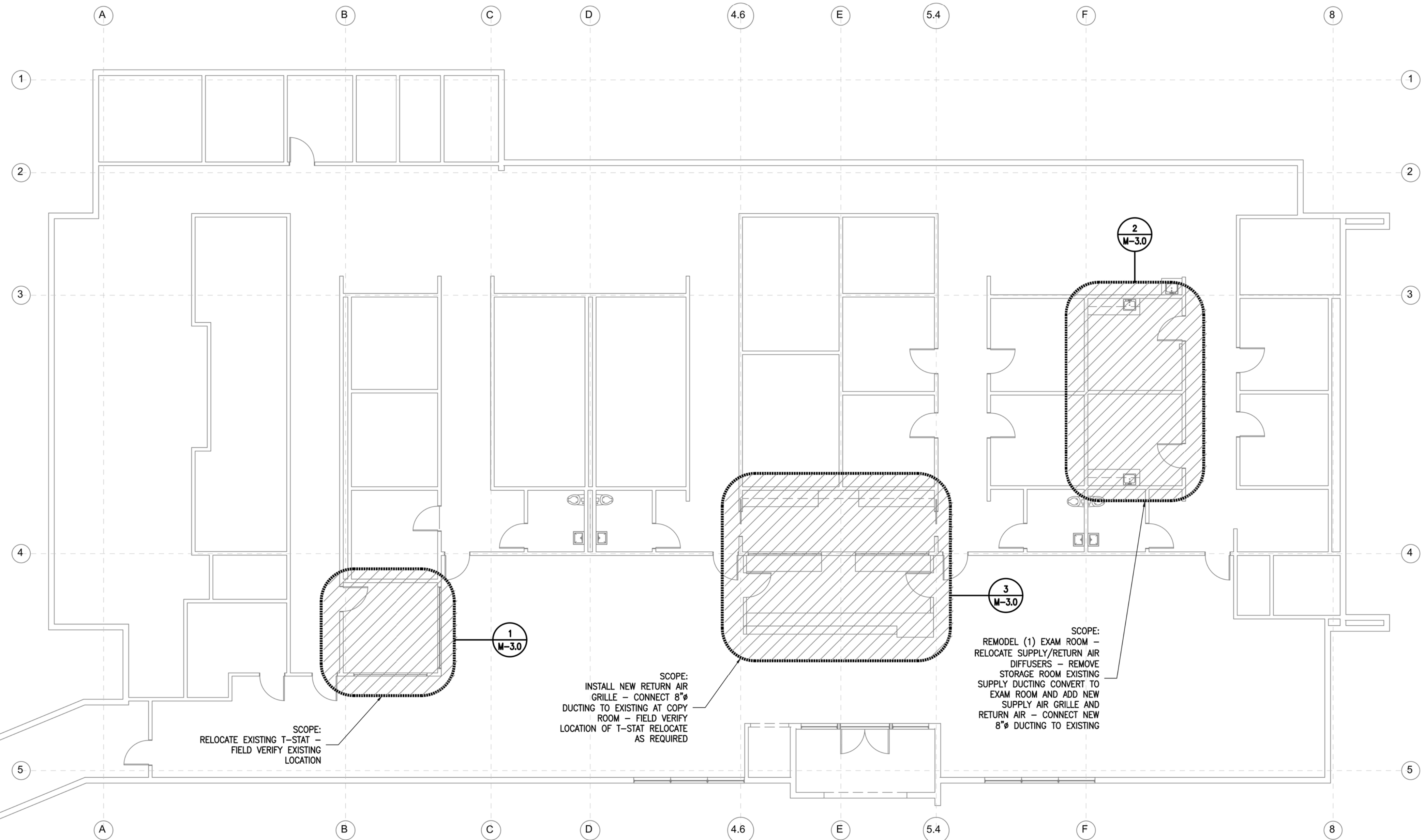
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OVERALL FLOOR PLAN

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



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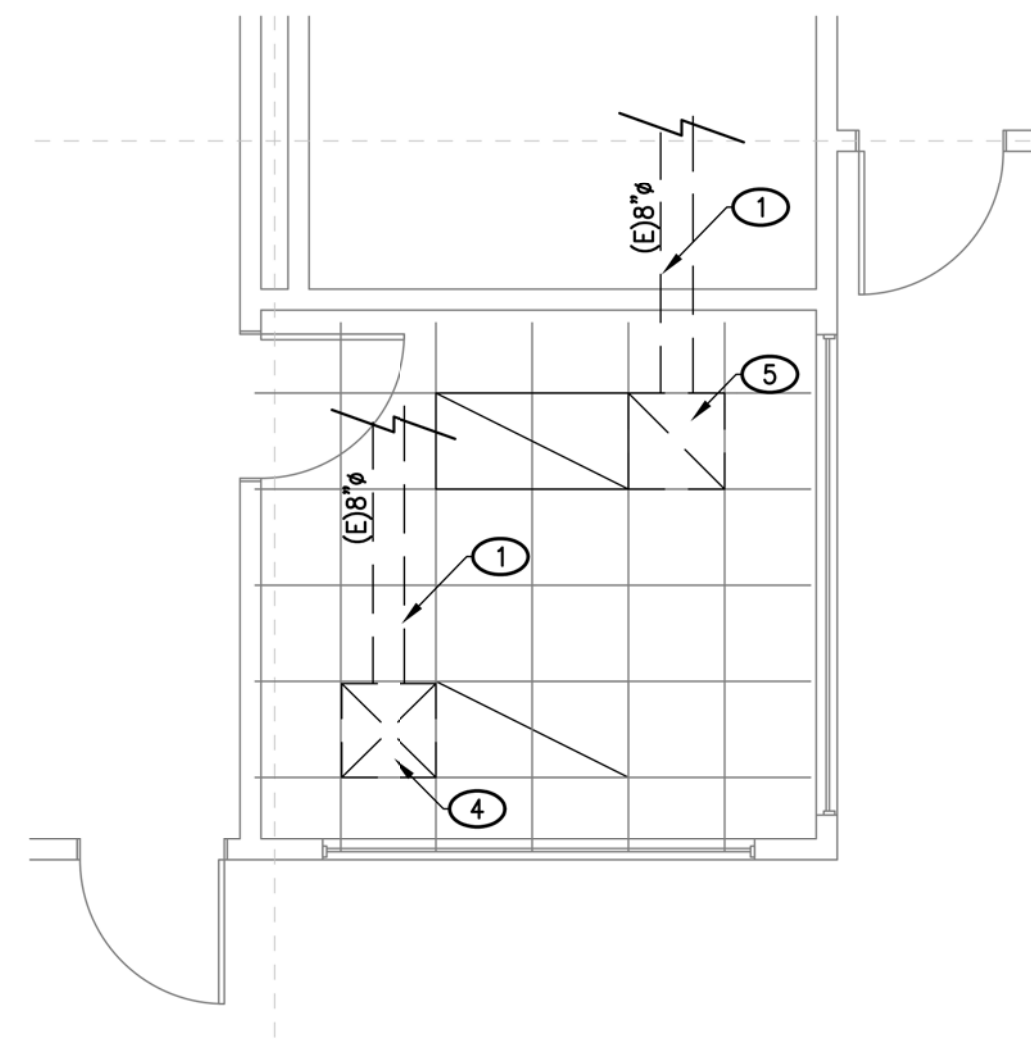
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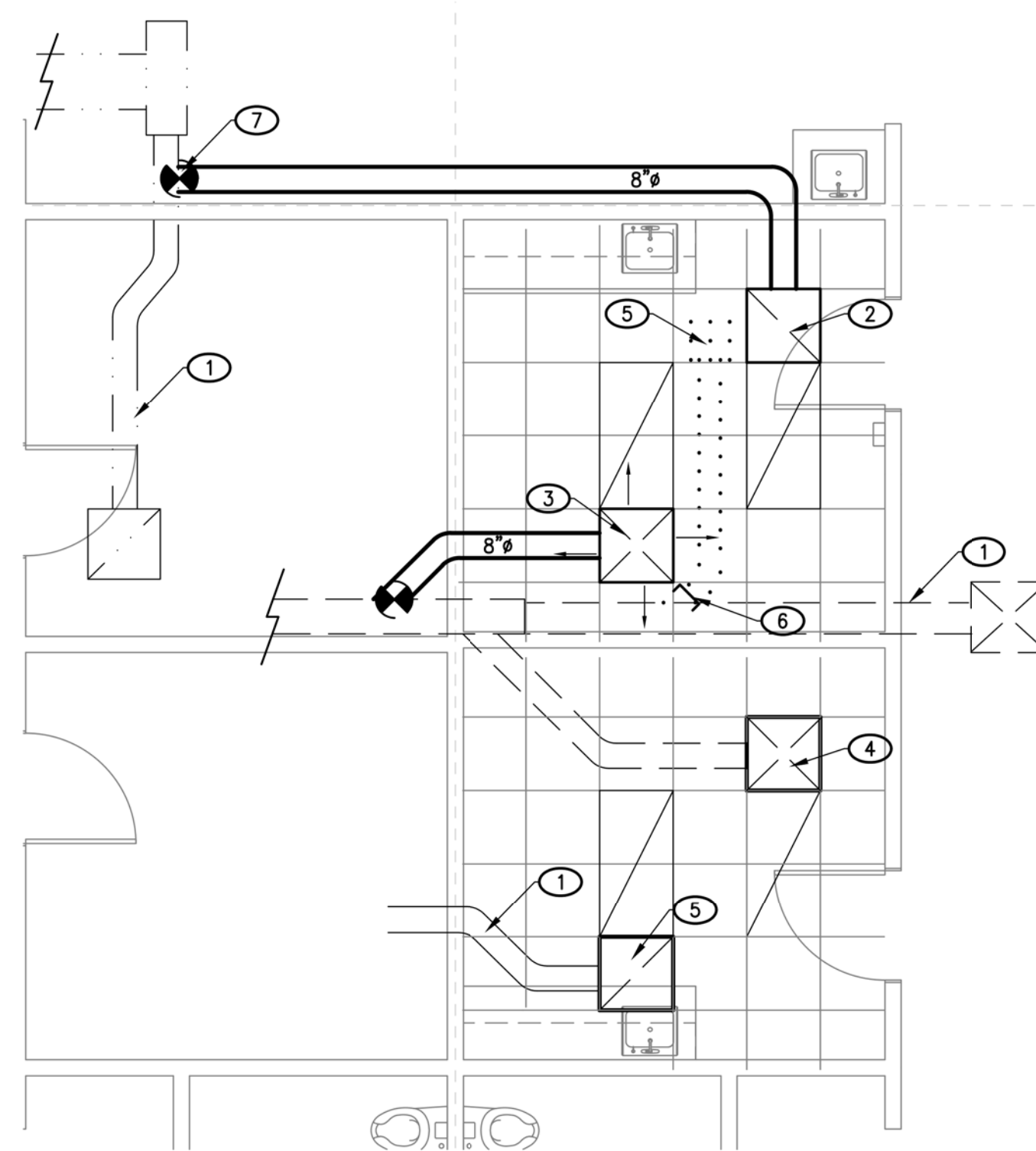
1 - PARTIAL MECHANICAL PLAN SCALE: 1/4" = 1'-0"

ROOM 1 - ADMINISTRATION

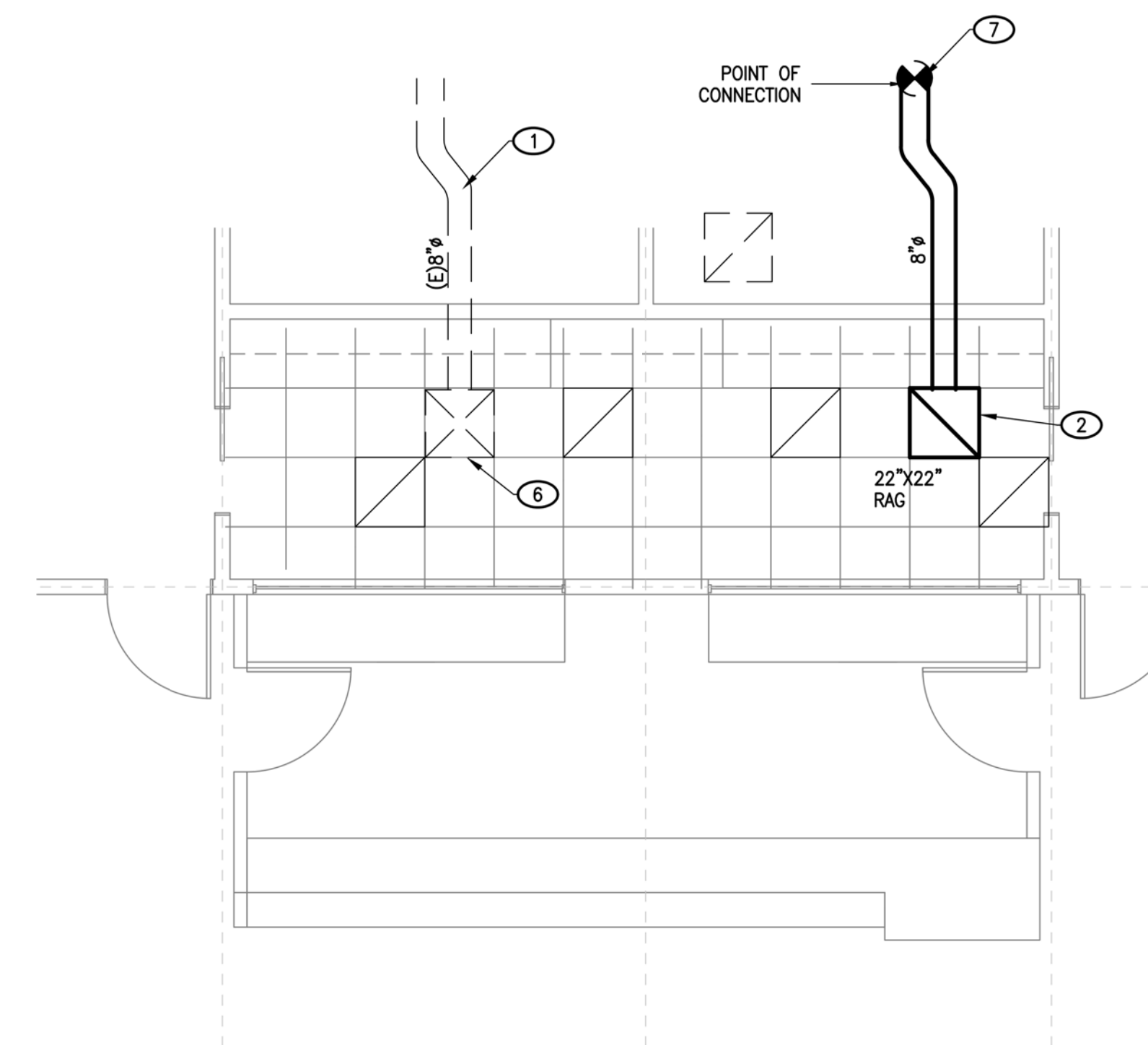
- ## KEYNOTES

KEYNOTES LISTED BELOW PERTAIN TO PLAN ON THIS SHEET ONLY. KEYNOTES FROM THIS LIST THAT ARE NOT KEYED SHALL BE DISREGARDED. ITEMS NOT IDENTIFIED WITH A KEYNOTE BUT DRAWN SIMILAR TO THOSE ITEMS KEYNOTED SHALL BE CONSIDERED AS THOUGH THEY ARE KEYNOTED, CONSISTANT WITH LIKE KEYNOTED ITEMS.

- ① EXISTING DUCTING TO REMAIN
- ② INSTALL NEW 22"x22" RETURN AIR DIFFUSER W/8"DUCT - CONNECT TO EXISTING AC UNIT
- ③ INSTALL NEW 22"x22" SUPPLY AIR GRILL W/8"DUCT - CONNECT TO EXISTING AC UNIT
- ④ EXISTING SUPPLY AIR DIFFUSER TO REMAIN
- ⑤ EXISTING RETURN AIR GRILLE TO REMAIN
- ⑥ EXISTING SUPPLY AIR GRILLE AND DUCTING TO BE REMOVED AND CAPPED AT BRANCH LINE
- ⑦ POINT OF CONNECTION TO EXISTING DUCTING - FIELD VERIFY LOCATION



2 - PARTIAL MECHANICAL PLAN
ROOM 2 & 3 - EXAM ROOMS



3 - PARTIAL MECHANICAL PLAN

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

ROOMS 4 & 5 - RECEPTION/OFFICE

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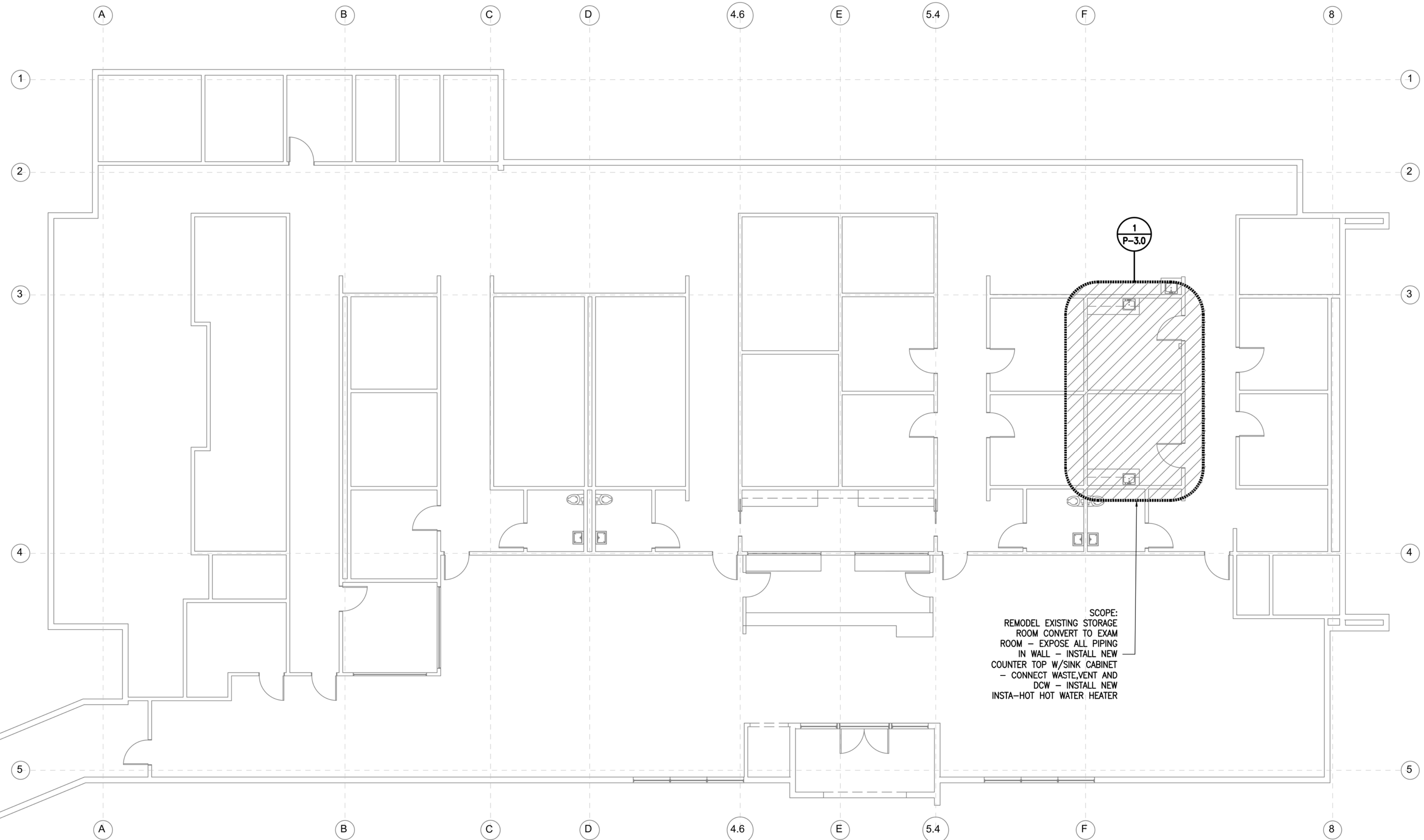
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OVERALL FLOOR PLAN

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



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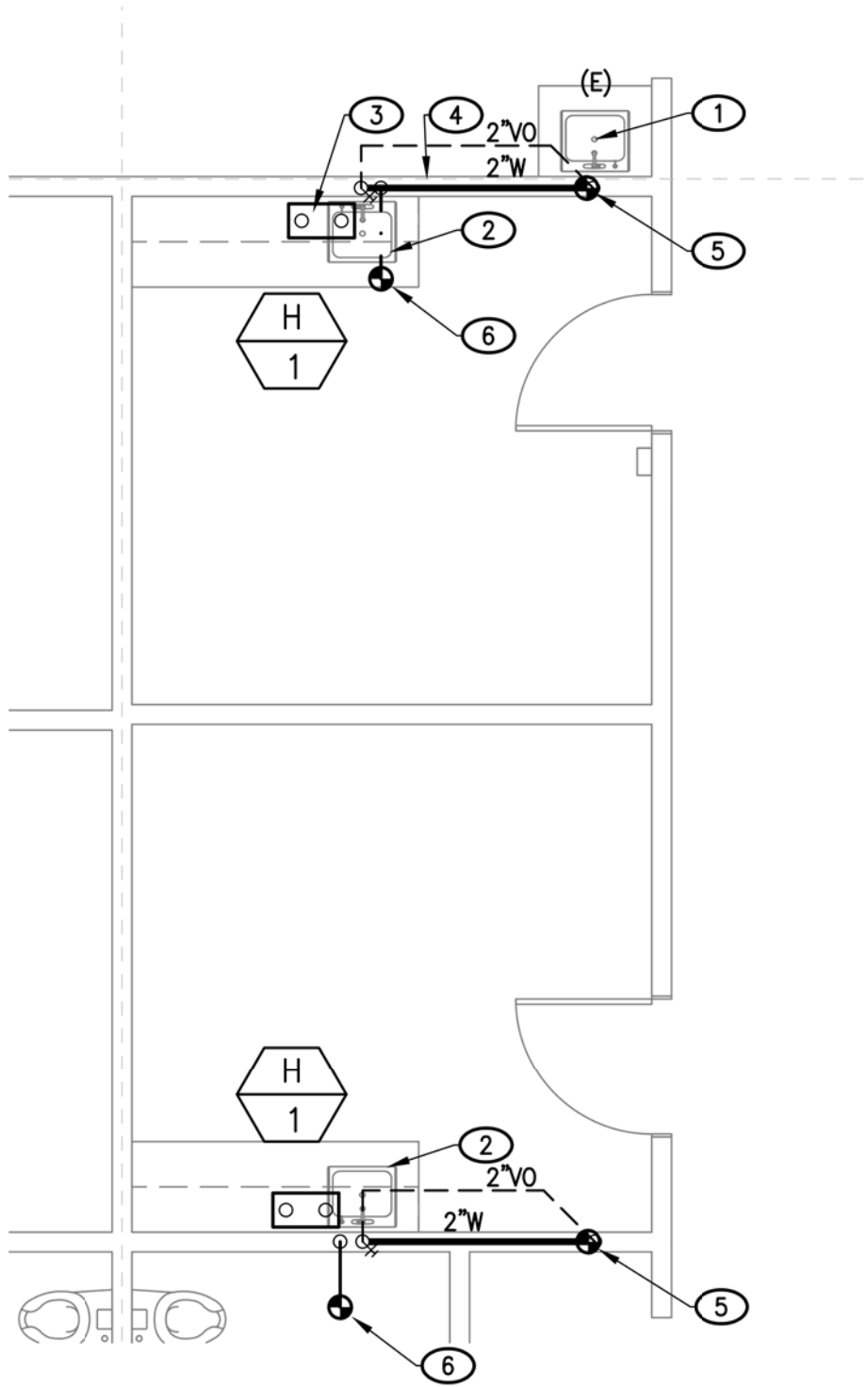
NOTHING IN THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGE IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD. THE WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, REGULATIONS, RESTRICTIONS AND REQUIREMENTS. CONTRACTOR TO OBTAIN CLARIFICATION FROM ENGINEER OF RECORD WHERE CONFLICTS IN DRAWING OR DIMENSIONS ARISE PRIOR TO PROCEEDING WITH CONSTRUCTION.

PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE	DCW	DHW	S&W	TRAP	VENT	DESCRIPTION
	INSTANT ELECTRIC HEATER	1/2"	1/2"	—	—	—	EEMAX #SP3277 SINGLE POINT ELECTRIC TANKLESS WATER HEATER — .5 GPM — OUTLET TEMPERATURE 105°–110° — BRAIDED STAINLESS STEEL FLEX CONNECTORS — 3kw — 10.8 AMPS @277v/1ø

KEYNOTES

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- ① EXISTING COUNTER TOP AND SINK TO REMAIN
- ② INSTALL NEW COUNTER TOP WITH SINK - REFER TO ARCH. PLANS FOR SCHEDULE
- ③ INSTALL NEW WATER HEATER - INSTA-HOT 3KW
- ④ EXPOSE ALL UTILITIES TO WALL BEHIND EXISTING SINK
- ⑤ CONNECT 2"WASTE, 2"VENT OFFSET TO NEW SINK
- ⑥ CONNECT 1/2"DCW TO NEW SINK



1 - PARTIAL PLUMBING PLAN

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

ROOM 2 & 3 - EXAM ROOMS

DATE	ISSUED

DATE	MARK	ISSUED

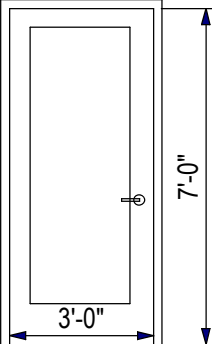
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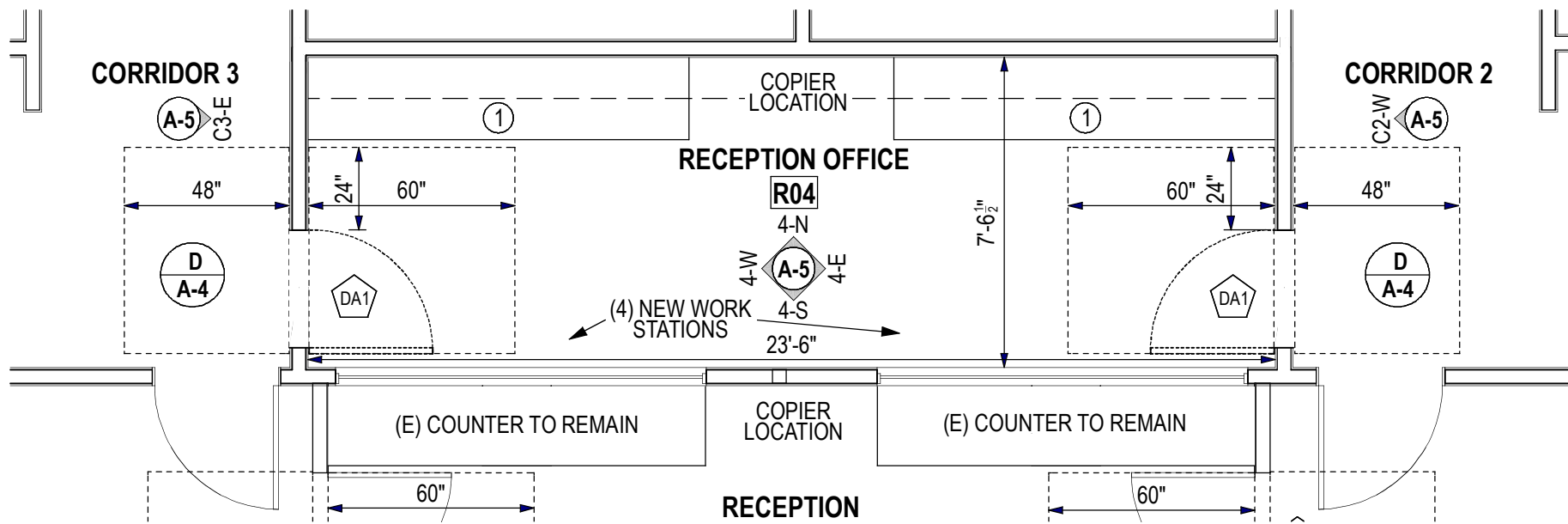


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DOOR SCHEDULE - ADDENDUM 1							
ELEVATION	NUMBER	QTY	SIZE	MATERIAL	FINISH	DESCRIPTION	FRAME
	DA1	2	3070	Wood	Stain	(N) S.C. Hinged Door, Temp. Glass	Hollow Metal, Enamel Finish



ADDENDUM 1 - RECEPTION OFFICE DOOR OPTION

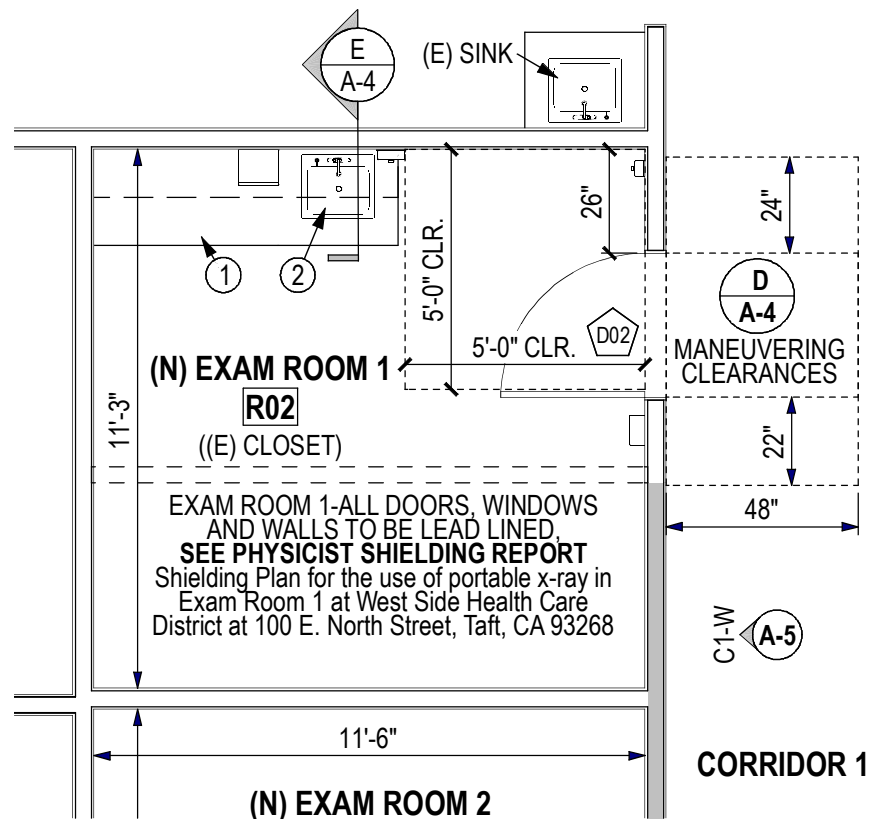
PROJECT ADDRESS:

Westside Health Care District
100 E. North Street
Taft, CA. 93268

PROJECT CONTACT:

Ryan Shultz, MSHCA
Executive Director

(661) 765-7234 Office
(661) 203-5757 Cell
rshultz@wshcd.org



ADDENDUM 2 - EXAM ROOM 1 TO BE LEAD LINED

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