

BOROUGH OF AUDUBON
AUDUBON MUNICIPAL BUILDING
SECURITY IMPROVEMENTS

606 WEST NICHOLSON ROAD
BOROUGH OF AUDUBON
CAMDEN COUNTY, NEW JERSEY



BACH Associates, PC
ENGINEERS • ARCHITECTS • PLANNERS

304 White Horse Pike
Haddon Heights, New Jersey 08035

Tel 856-546-8611
Fax 856-546-8612

www.BachDesignGroup.com

Code Review Data:

APPLICABLE BUILDING CODES & GUIDELINES
2018 INTERNATIONAL BUILDING CODE - NEW JERSEY EDITION
2018 NATIONAL STANDARD PLUMBING CODE
2017 NATIONAL ELECTRIC CODE (NECA 70)
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2009 ICC/ANSI A117.1
ASHRAE 90.1-2016
USE GROUP CLASSIFICATION (303.4)
B - BUSINESS

NOTE TO ALL BIDDERS AND SUBS:
"BID PACKAGE" IS INCLUSIVE OF ALL DRAWING SHEETS LISTED ON THIS COVER SHEET, ALL SPECIFICATIONS LISTED IN SPECIFICATION TABLE OF CONTENTS, AND ALL ADDENDA ISSUED PRIOR TO BID OPENING. BIDS SUBMITTED ARE ASSUMED TO BE COMPREHENSIVE AND ACCOUNTING FOR INFORMATION CONTAIN THROUGHOUT ENTIRE "BID PACKAGE". IT IS THE RESPONSIBILITY OF BIDDER TO PROVIDE ALL SUBCONTRACTORS, VENDORS, MATERIAL AND LABOR SUPPLIERS, ETC, WITH COMPLETE BID PACKAGE. FAILURE TO DO SO WILL NOT RELIEVE RESPONSIBILITY TO PROVIDE ALL WORK DESCRIBED IN THE "BID PACKAGE".

CONTRACTOR NOTE:
CONTRACTOR MUST CONTACT ARCHITECT/ENGINEER PRIOR TO STARTING CONSTRUCTION TO VERIFY THAT THE MOST CURRENT AND ARCHITECT/ENGINEER APPROVED REVISION SET OF PLANS ARE BEING USED. ANY CORRECTIONS AND OR CHANGES TO THE PLAN SET WHICH ARE NECESSARY DUE TO USE OF INVALID PLAN SETS ARE AT THE SOLE EXPENSE OF THE OWNER/CONTRACTOR. ARCHITECT/ENGINEER ASSUMES NO RESPONSIBILITY/LIABILITY FOR ANY WORK PERFORMED BASED ON INVALID PLAN SETS.

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C-2	ADA GUIDELINES
D-1	FIRST FLOOR DEMOLITION PLAN AND ELEVATIONS
A-1	FIRST FLOOR PLAN, ELEVATIONS AND DETAILS
A-2	FIRST FLOOR FRAMING PLAN, SECTIONS AND DETAILS
A-3	SECOND FLOOR PLAN, ELEVATIONS AND DETAILS



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SEALS:



STEVEN M. BACH, PE, RA, PP, CME
NJ PROFESSIONAL ENGINEER No. GE 41507
NJ REGISTERED ARCHITECT No. AI 14872
NJ PROFESSIONAL PLANNER No. LI 05557

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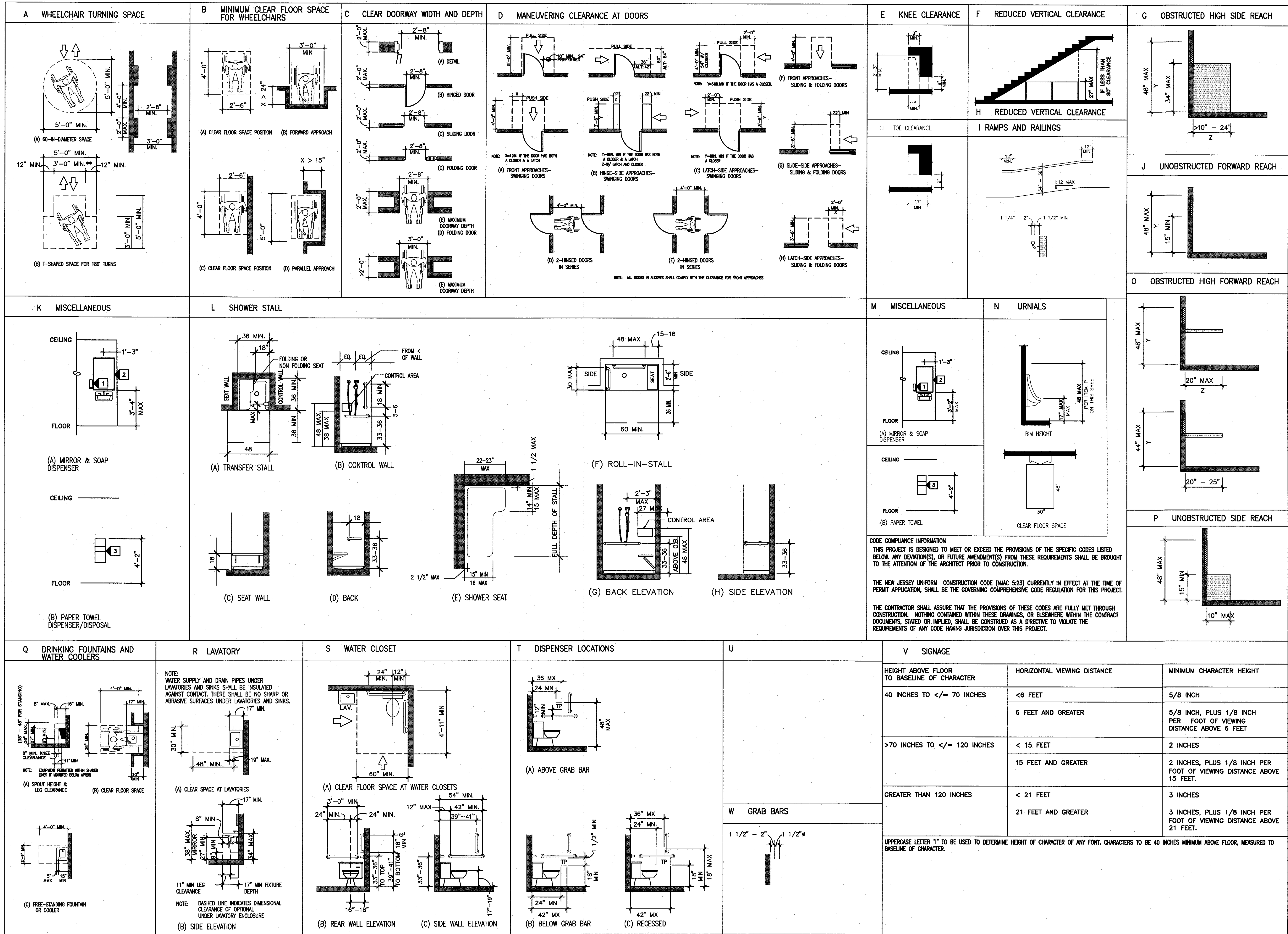
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NO.	DESCRIPTION	DATE

DRAWING TITLE:
COVER SHEET
AND INDEX OF
DRAWINGS

JOB NO: AB2022-0	DESIGNED BY: DM3
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DRAWING NUMBER:	

BARRIER FREE GUIDELINES FOR CONSTRUCTION – ICC/ANSI A117.1 – 2009



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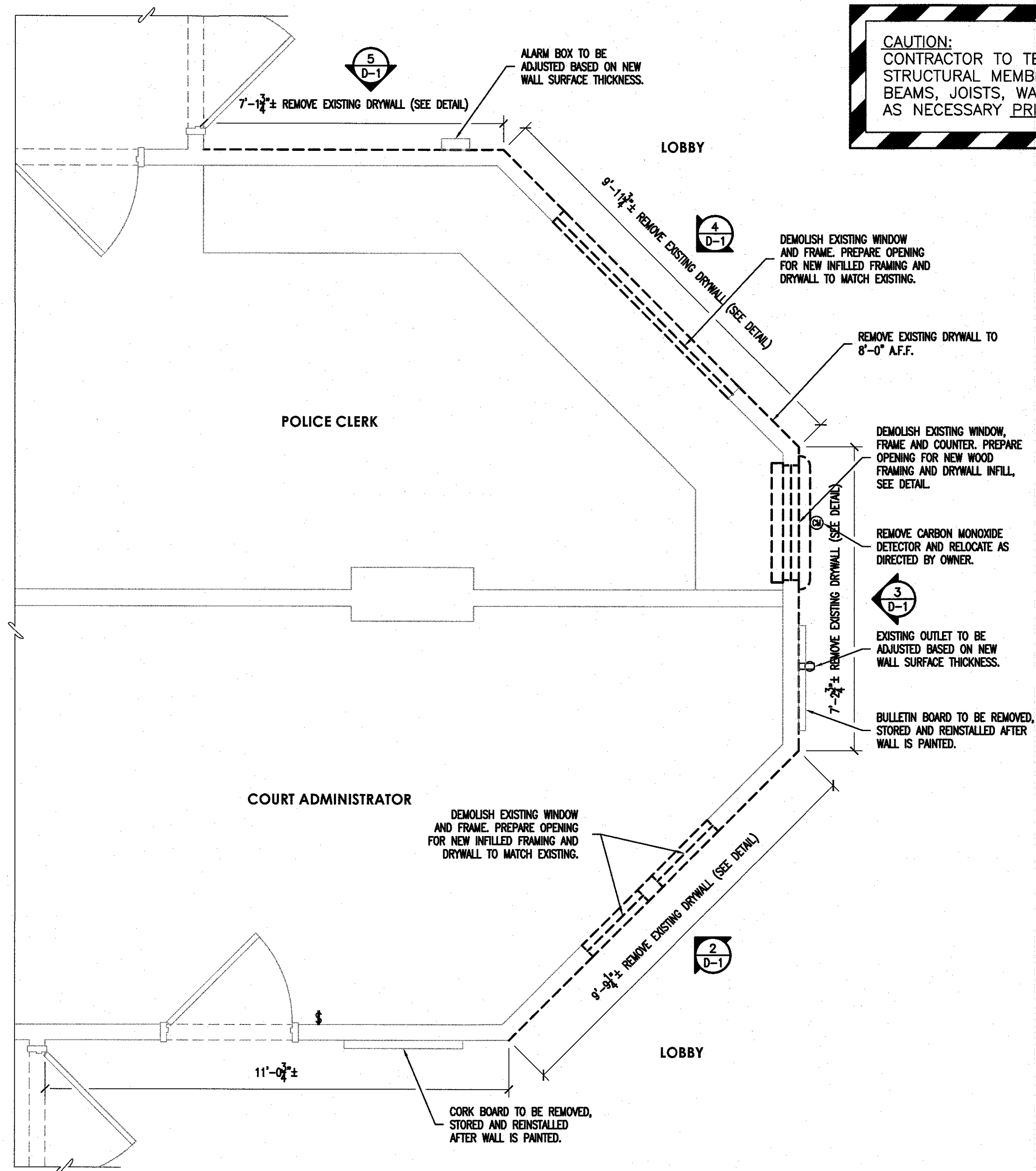
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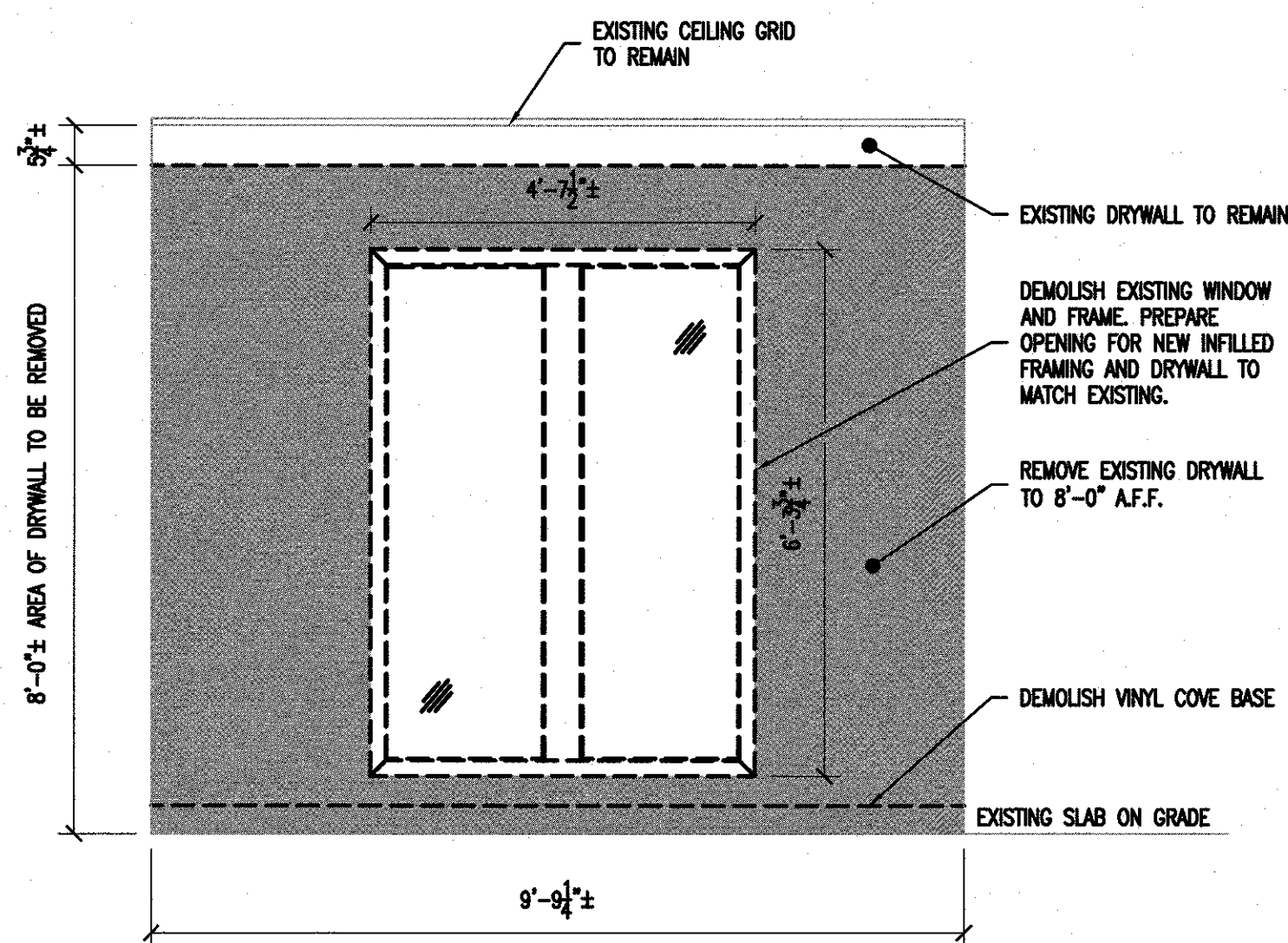
ADA GUIDELINES

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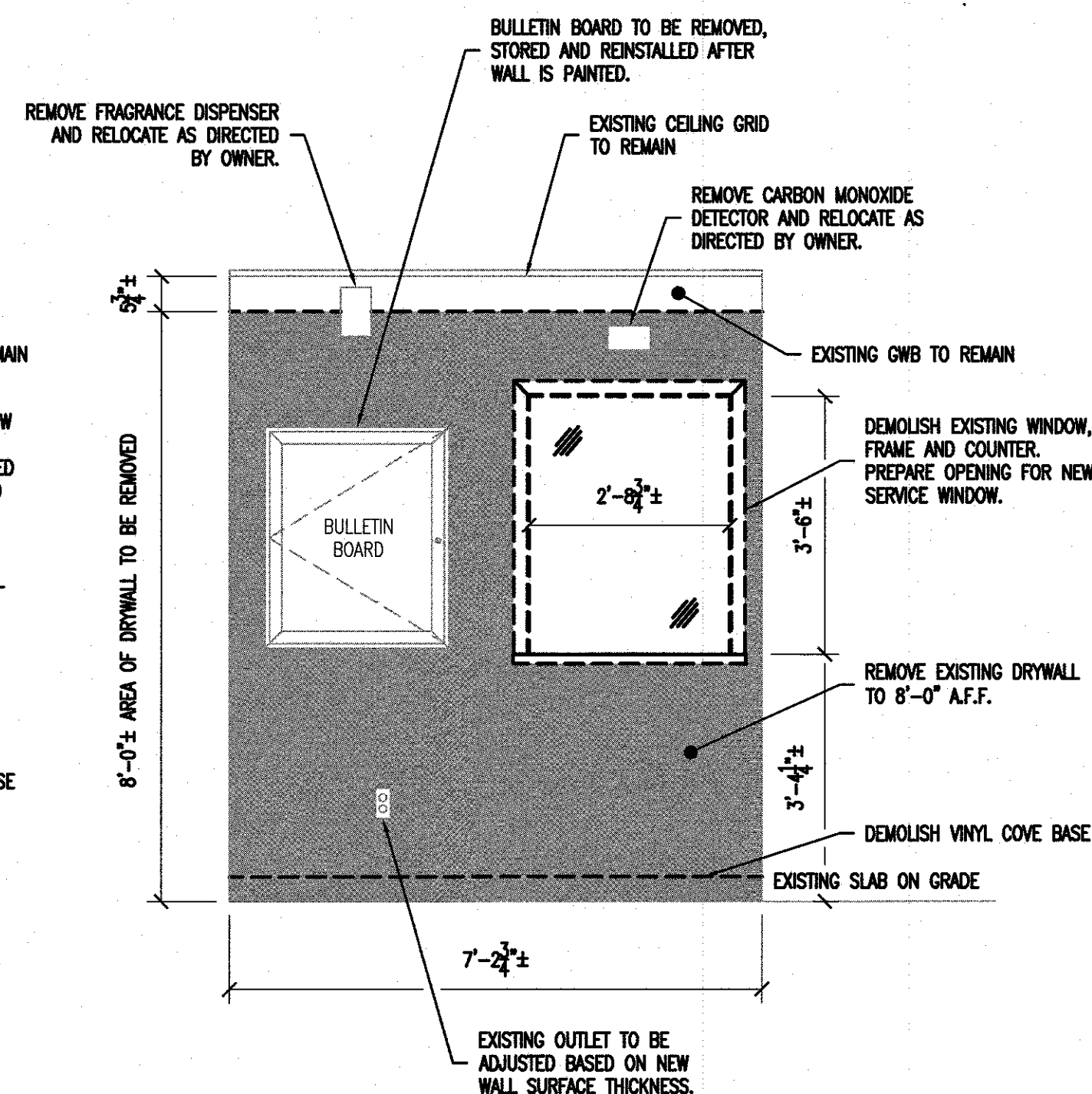
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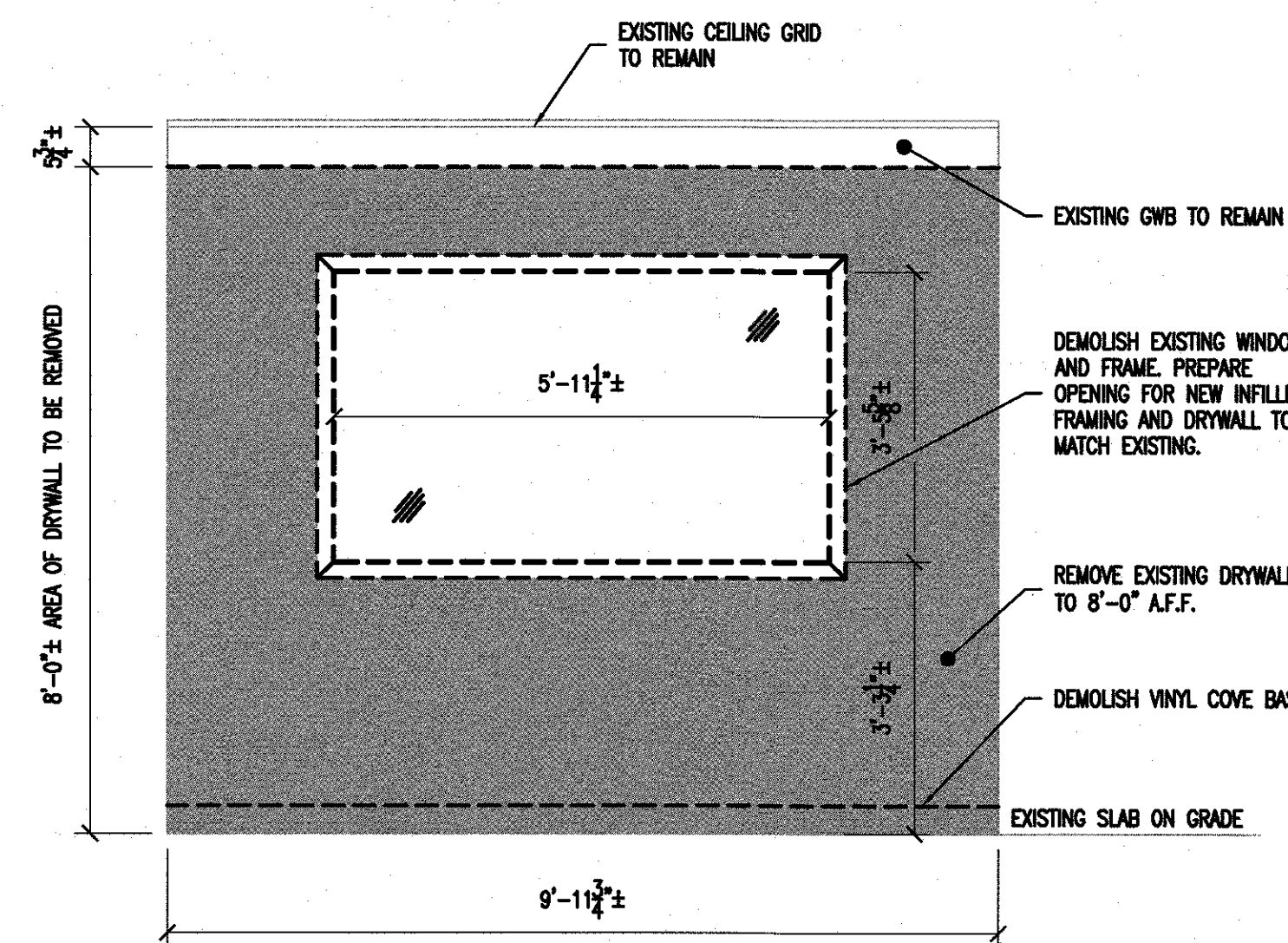
1 DEMOLITION FIRST FLOOR PLAN
SCALE: 1/2" = 1'-0"



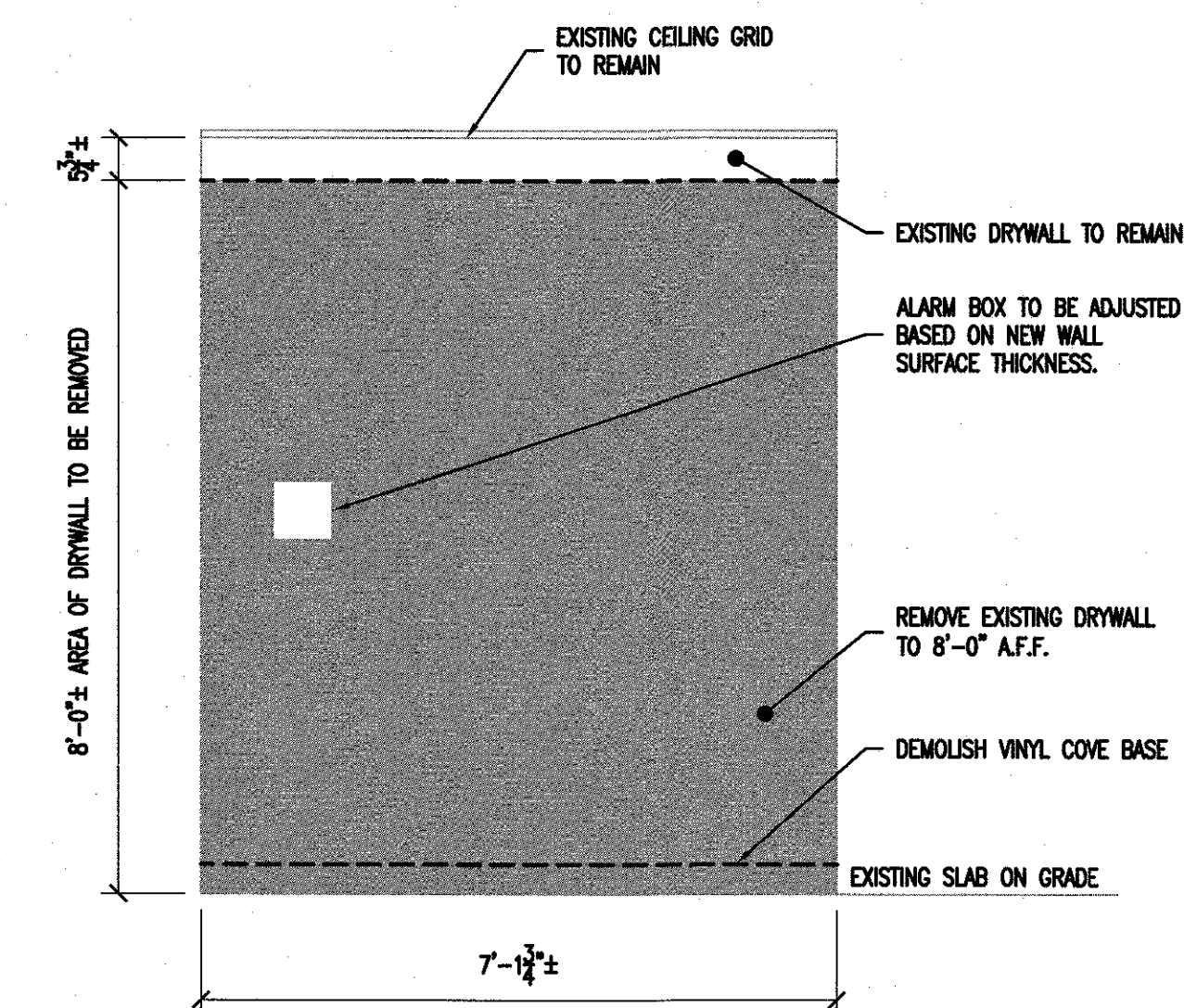
2 LOBBY ELEVATION - DEMOLITION
SCALE: 1/2" = 1'-0"



3 LOBBY ELEVATION - DEMOLITION
SCALE: 1/2" = 1'-0"



4 LOBBY ELEVATION - DEMOLITION
SCALE: 1/2" = 1'-0"



5 LOBBY ELEVATION - DEMOLITION
SCALE: 1/2" = 1'-0"

EXISTING CONSTRUCTION NOTES:

BEFORE PROCEEDING WITH ANY WORK WITHIN THE EXISTING BUILDING, THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING STRUCTURAL AND OTHER CONDITIONS.

THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND CONDITIONS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE WORK. ANY DISCREPANCY SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT.

DEMOLITION NOTES:

ANY AND ALL DEMOLITION OF EXISTING STRUCTURES AND/OR PORTIONS OF EXISTING STRUCTURES SHALL BE PERFORMED AS NECESSARY TO ACCOMPLISH THE WORK AS INDICATED ON THE DRAWINGS.

THE CONTRACTOR SHALL MAKE ALL PROVISIONS AS NECESSARY TO PROTECT UNAFFECTED OR ADJACENT AREAS FROM DUST, TRASH, DEBRIS AS WELL AS DAMAGED, SOILING, PAINT OVERSPRAY, ETC.

ALL SOILED AND/OR DAMAGED PORTIONS OF THE EXISTING STRUCTURE SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.

TEMPORARY BRACING SHALL BE PROVIDED AS DEEMED NECESSARY BY THE CONTRACTOR AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.

A FULL SET OF CONSTRUCTION DOCUMENTS SHALL BE ON SITE AT ALL TIMES.

ALL DEMOLITION TO BE PERFORMED IN STRICT ADHERENCE TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

NOTES:

ALL WORK SHALL COMPLY TO THE NEW JERSEY UNIFORM CONSTRUCTION CODE AND ALL ADOPTED SUBCODES, INCLUDING THE CURRENT ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE.

CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS.

ALL WORK IS TO BE PERFORMED TO THE HIGHEST STANDARDS OF THE TRADES.

CONTRACTOR SHALL PROVIDE FOR THE SAFETY OF ALL JOB RELATED PERSONNEL.

PATCH AND REPAIR ANY DAMAGED PARTITIONS AND/OR FLOORING DUE TO DEMOLITION WORK.

DETAILS ON THE DRAWINGS ARE SHOWN AT SPECIFIC LOCATIONS AND ARE INTENDED TO SHOW GENERAL REQUIREMENTS THROUGHOUT. DETAILS NOTED "TYPICAL" IMPLY ALL CONDITIONS TREATED SIMILARLY. MODIFICATIONS TO BE MADE BY CONTRACTOR TO ACCOMMODATE MINOR VARIATIONS.

THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE SAFETY AND CONSTRUCTION PROCEDURES, TECHNIQUES, OR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, OR THE REQUIRED CODES.

CONTRACTOR SHALL BRING ERRORS AND OMISSIONS WHICH MAY OCCUR IN THE CONTRACT DOCUMENTS TO THE ATTENTION OF THE ARCHITECT IN WRITING AND WRITTEN INSTRUCTIONS SHALL BE OBTAINED BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR WILL BE HELD FOR THE RESULTS OF ANY ERRORS, DISCREPANCIES, OR OMISSIONS IN THE RESPONSIBLE CONTRACT DOCUMENTS, OF WHICH THE CONTRACTOR FAILED TO NOTIFY THE ARCHITECT BEFORE CONSTRUCTION AND/OR FABRICATION OF THE WORK.

THE CONTRACTOR AND THEIR SUBCONTRACTOR(S) SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AT THE JOB SITE SUFFICIENTLY IN ADVANCE OF WORK TO BE PERFORMED TO ASSURE THE ORDERLY PROGRESS OF THE WORK.

CONTRACTOR SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF ALL TRASH, DEBRIS AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE, SOILING, PAINT OVERSPRAY, ETC. ALL FIXTURES EQUIPMENT, GLAZING, FLOORS, ETC., SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY UPON COMPLETION OF THE PROJECT. ALL TRASH AND DEBRIS IS TO BE REMOVED FROM THE SITE.

ALL MANUFACTURER'S PRINTED WARNINGS FOR HANDLING OF PRODUCTS MUST BE STRICTLY OBSERVED. THE WORDS "OR EQUAL" ARE TO BE ASSUMED WHENEVER A SPECIFIC MANUFACTURER IS NOTED.

CONTRACTOR TO PREP AND PAINT WALLS WITH 2 COATS OF PRIMER AND 2 COATS OF PAINT. COLOR DETERMINED BY OWNER.

EXISTING ELECTRICAL COMPONENTS TO REMAIN. ANY ELECTRICAL COMPONENTS DISCONNECTED AND/OR REMOVED DURING CONSTRUCTION SHALL BE REINSTALLED IN THE SAME LOCATION BY A LICENSED ELECTRICAL CONTRACTOR.

CONCRETE SLAB TO BE RESTORED TO MATCH EXISTING IF DAMAGED.

FINISH NOTES:

PROVIDE AND INSTALL GYPSUM WALLBOARD IN ACCORDANCE WITH "AMERICAN STANDARD SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM, WALLBOARD" AS APPROVED BY THE AMERICAN STANDARDS ASSOCIATE, LATEST EDITION.

APPLICATION OF PAINT OR OTHER COATING SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. READY-MIXED PAINT SHALL NOT BE THINNED, EXCEPT AS PERMITTED IN THE APPLICATION INSTRUCTIONS.

DEMOLITION PLAN LEGEND:

- PARTITION TO BE DEMOLISHED
- EXISTING PARTITION
- EXISTING DOOR AND FRAME
- DUPLEX RECEPTACLE OUTLET
- ⚡ SWITCH
- Ⓢ CARBON MONOXIDE DETECTOR HARDWARE & INTERCONNECTED
- ⓧ ELEVATION TAG



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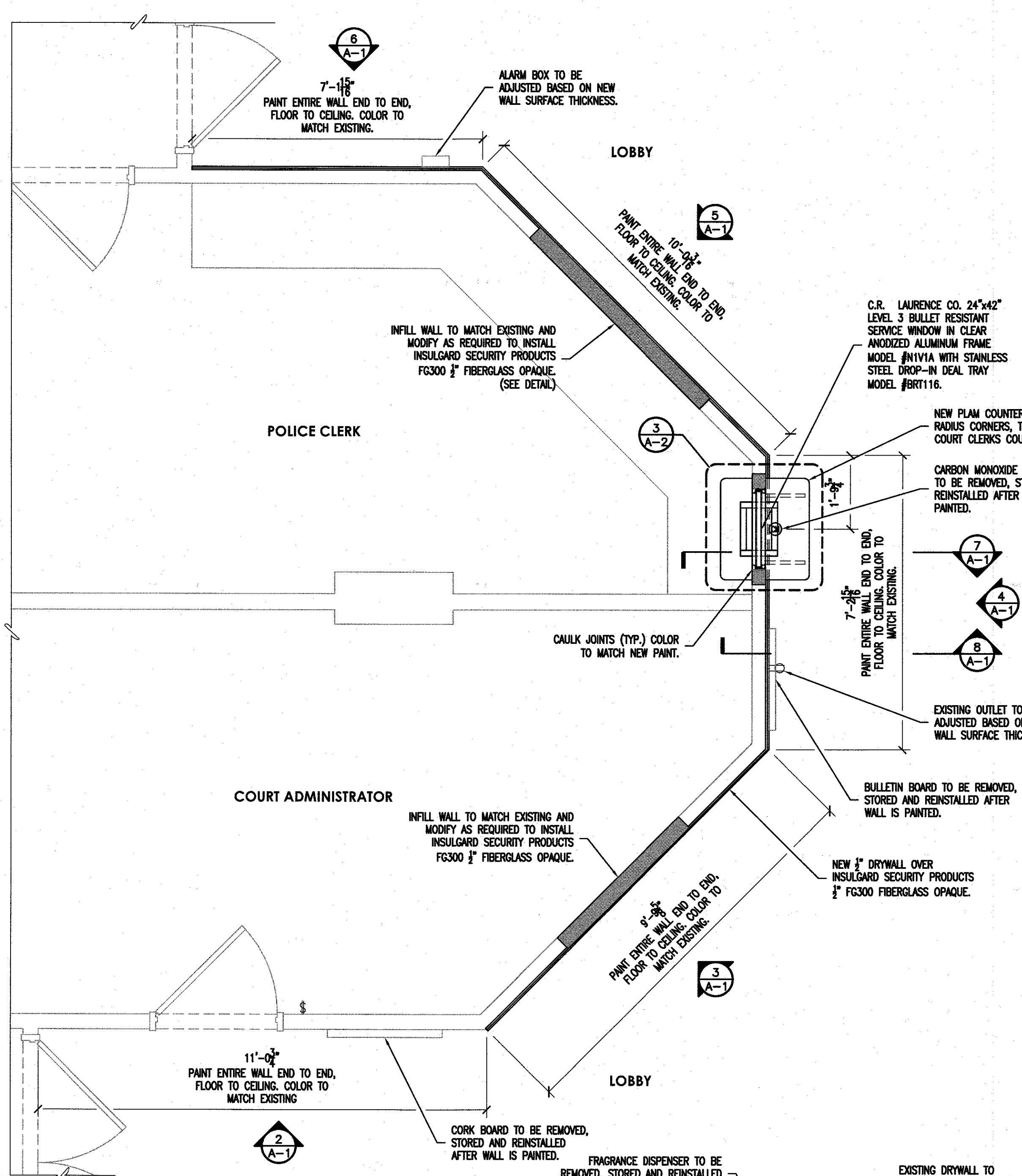
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NO.	DESCRIPTION	DATE

DRAWING TITLE:
FIRST FLOOR DEMOLITION PLAN AND ELEVATIONS

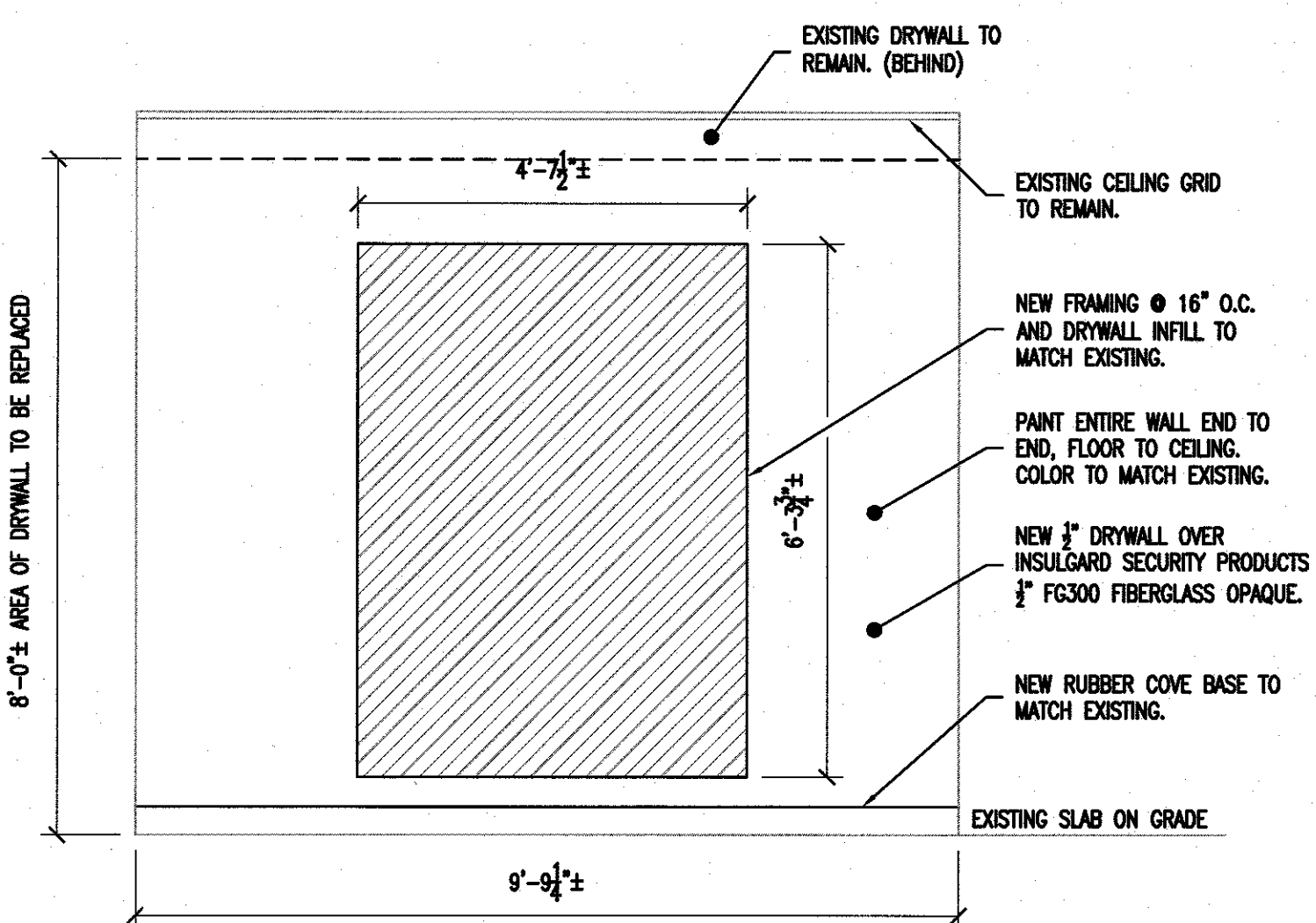
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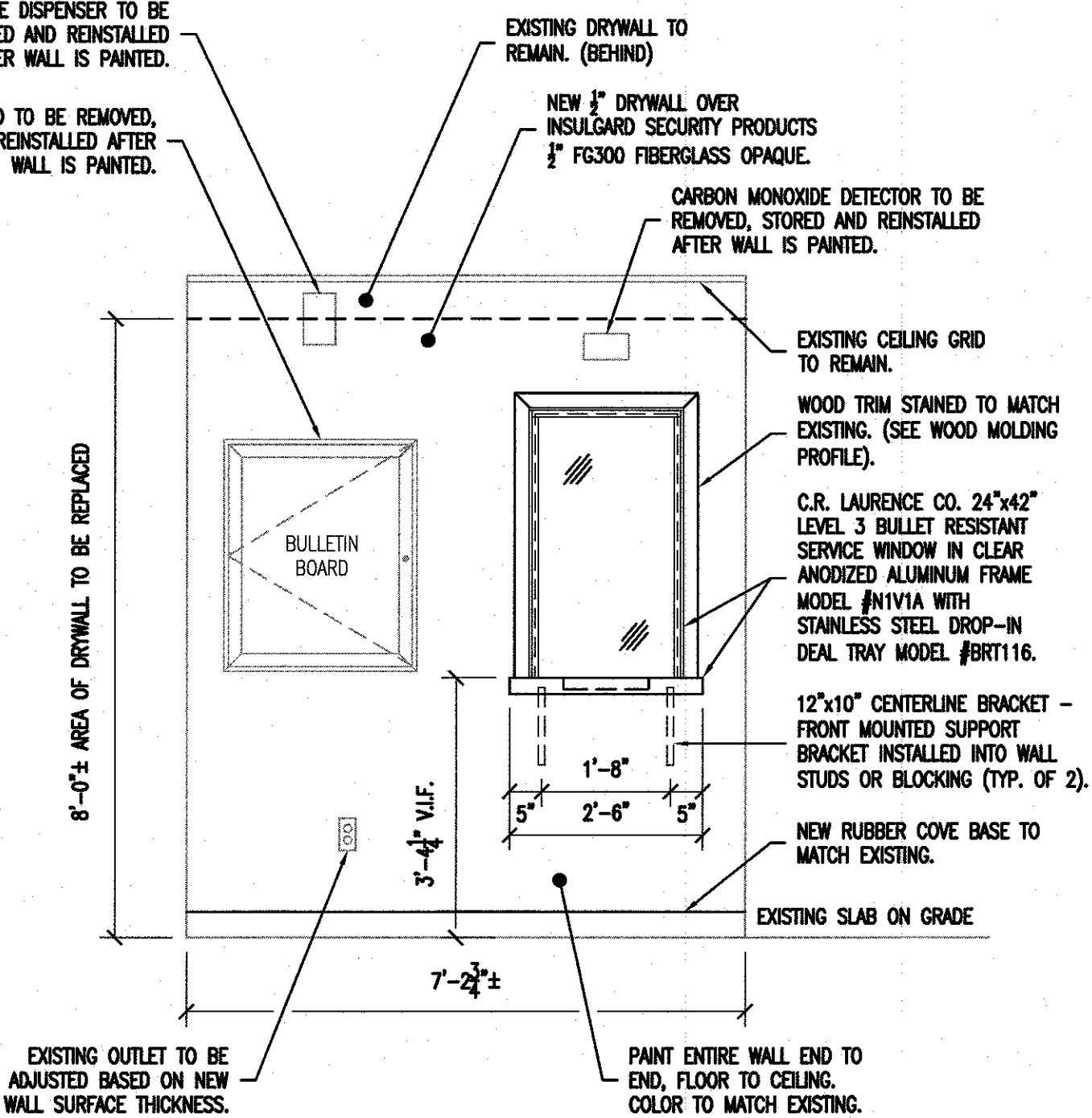
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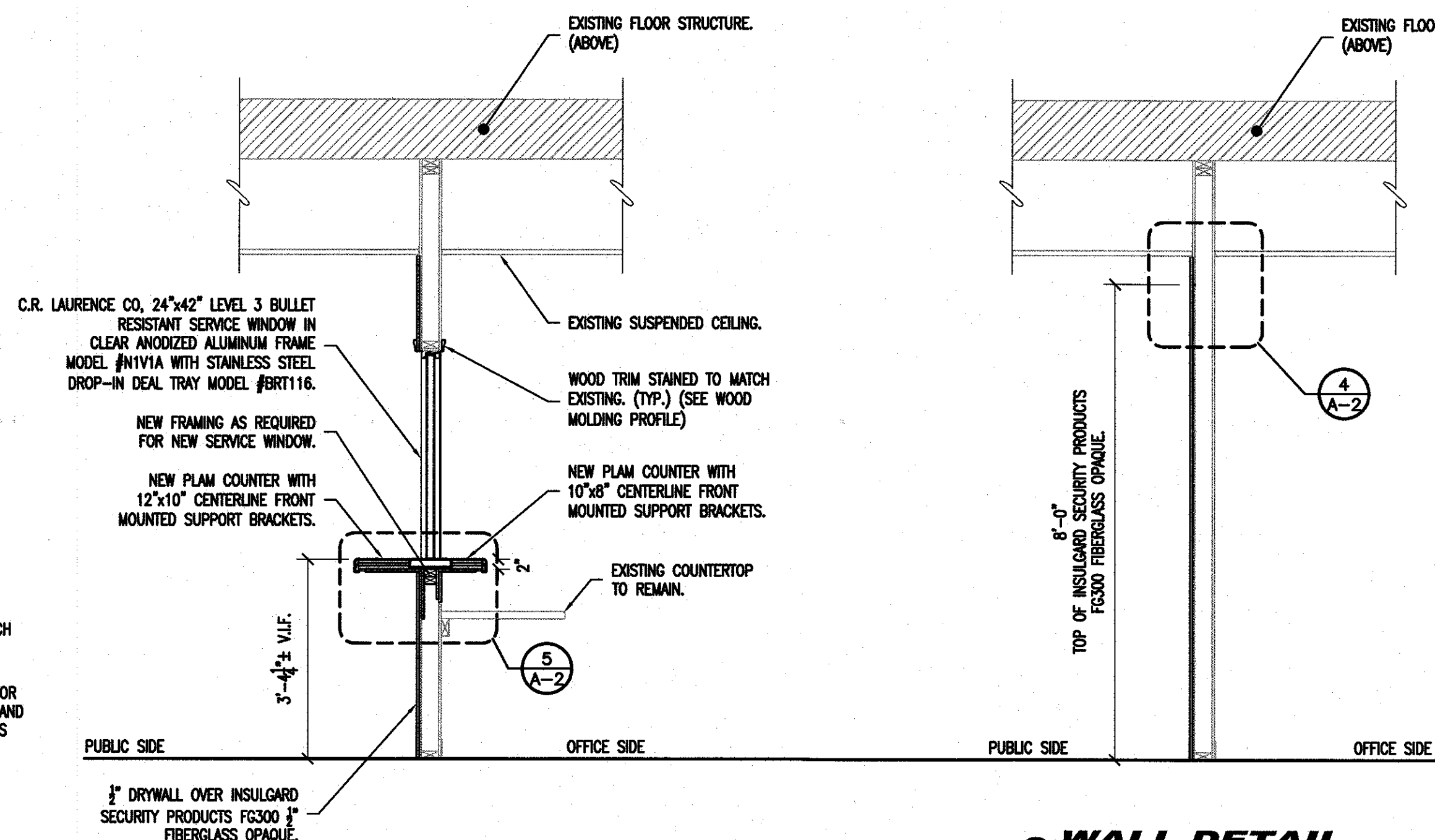
1 FIRST FLOOR PLAN
SCALE: 1/2" = 1'-0"



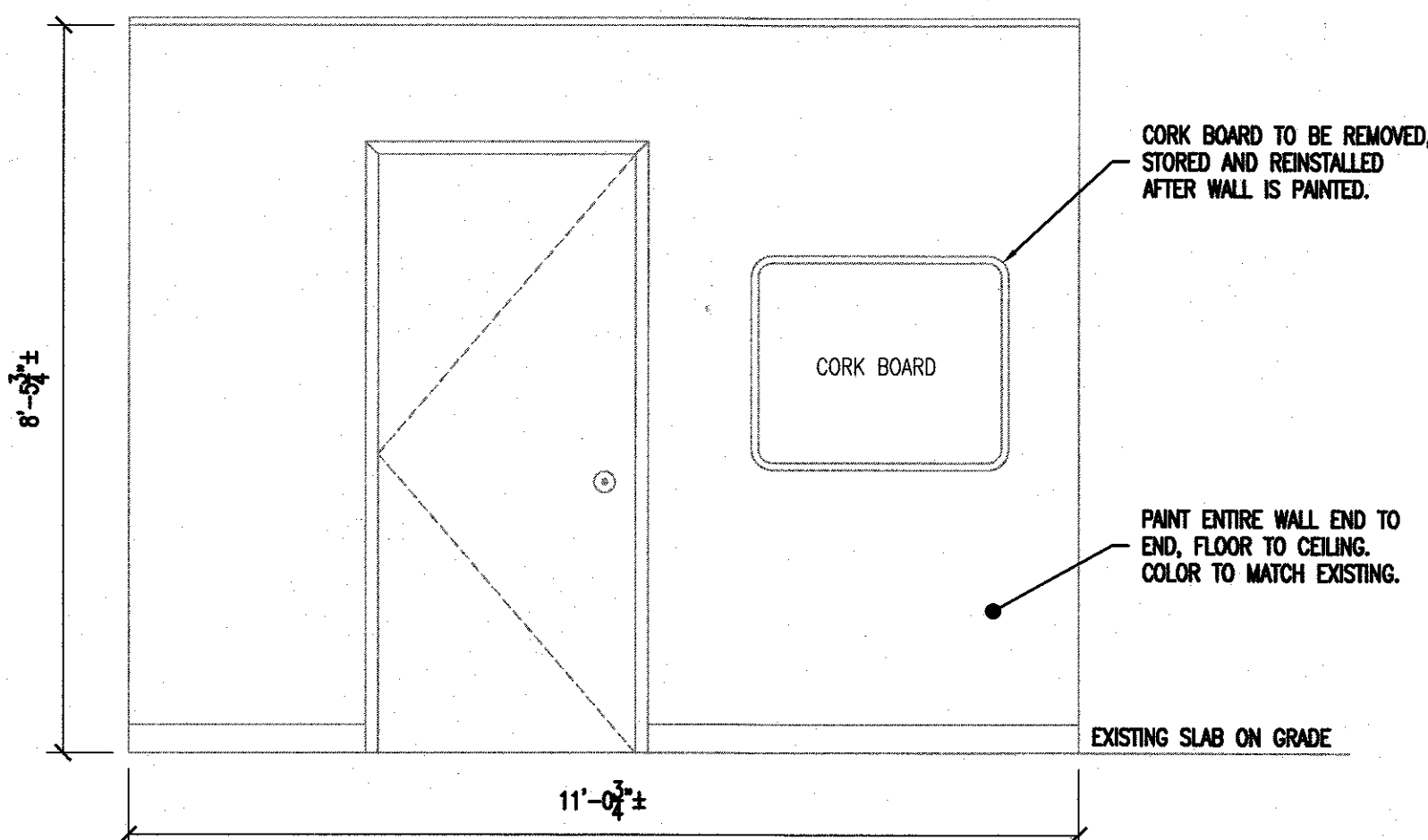
3 LOBBY ELEVATION
SCALE: 1/2" = 1'-0"



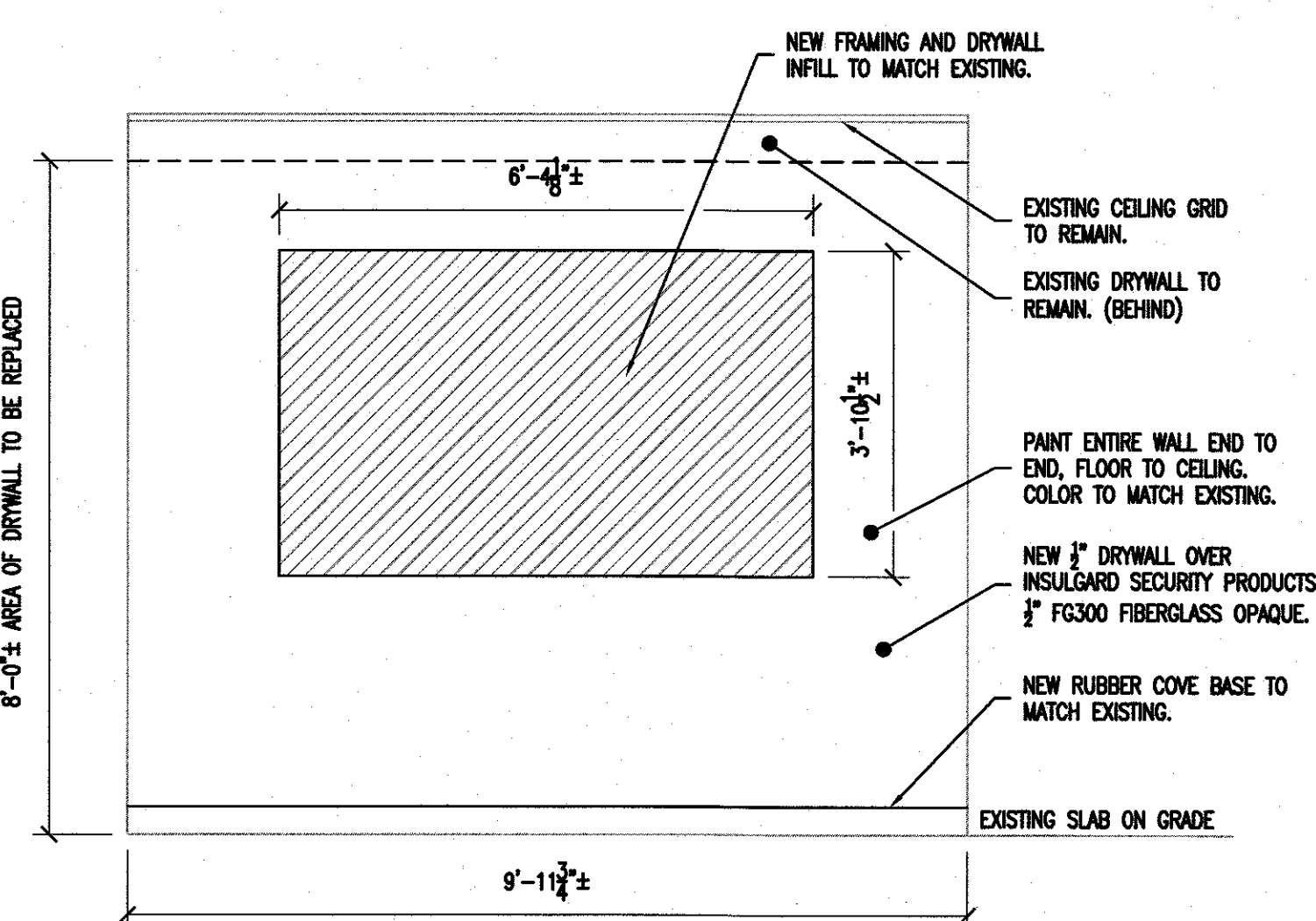
4 LOBBY ELEVATION
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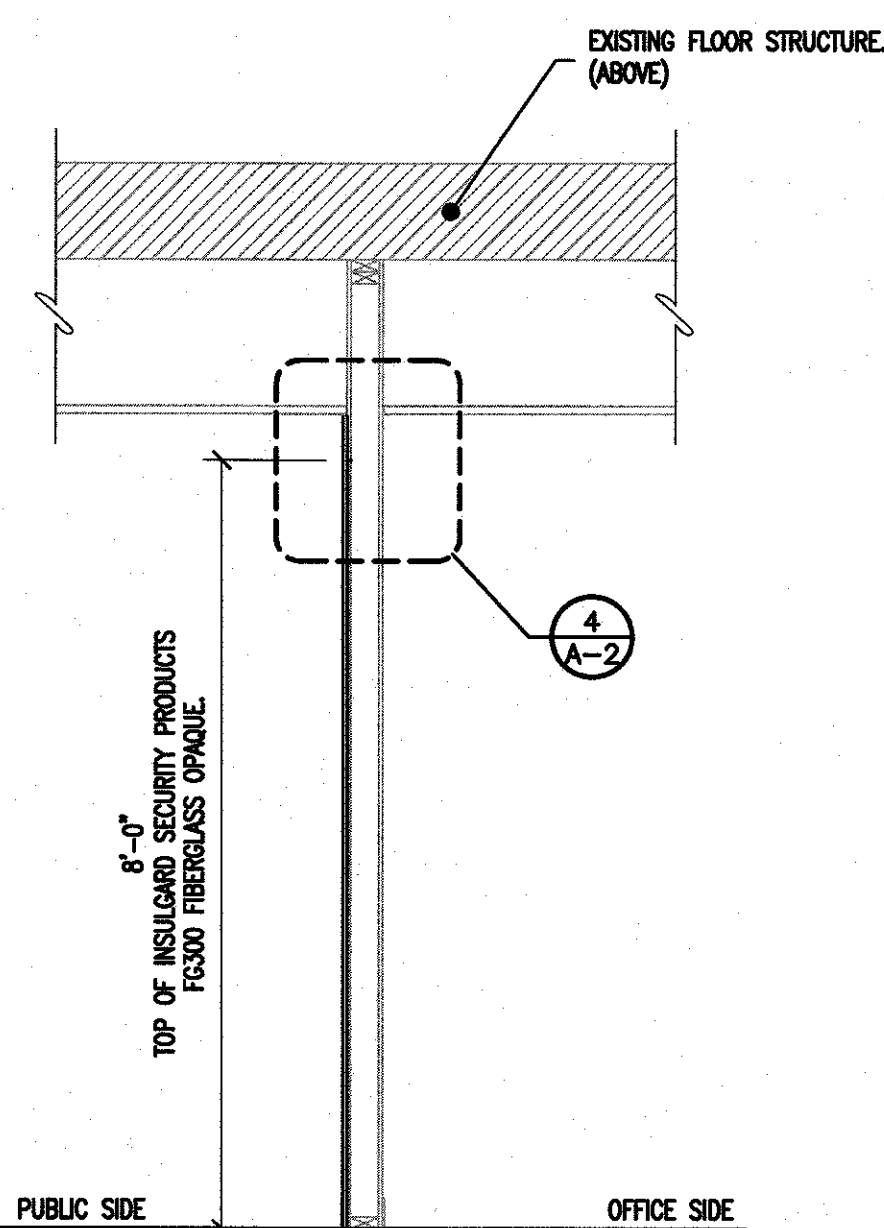
7 OFFICE SECTION
SCALE: 1/2" = 1'-0"



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



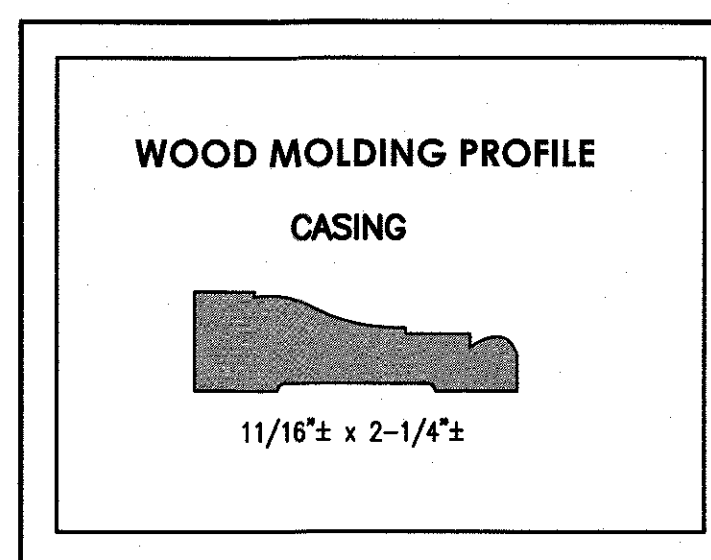
5 LOBBY ELEVATION
SCALE: 1/2" = 1'-0"



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

FLOOR PLAN LEGEND:

- PARTITION TO BE DEMOLISHED
- NEW INTERIOR PARTITION
- EXISTING PARTITION
- EXISTING DOOR AND FRAME
- ⊕ DUPLEX RECEPTACLE OUTLET
- ⊕ INCANDESCENT LIGHT FIXTURE
- ⊕ SWITCH
- ⊕ CARBON MONOXIDE DETECTOR HARDWARE & INTERCONNECTED
- ⊕ THERMOSTAT
- ⊕ SECURITY EQUIPMENT
- ⊕ DATA
- ⊕ SECTION TAG
- ⊕ ELEVATION TAG



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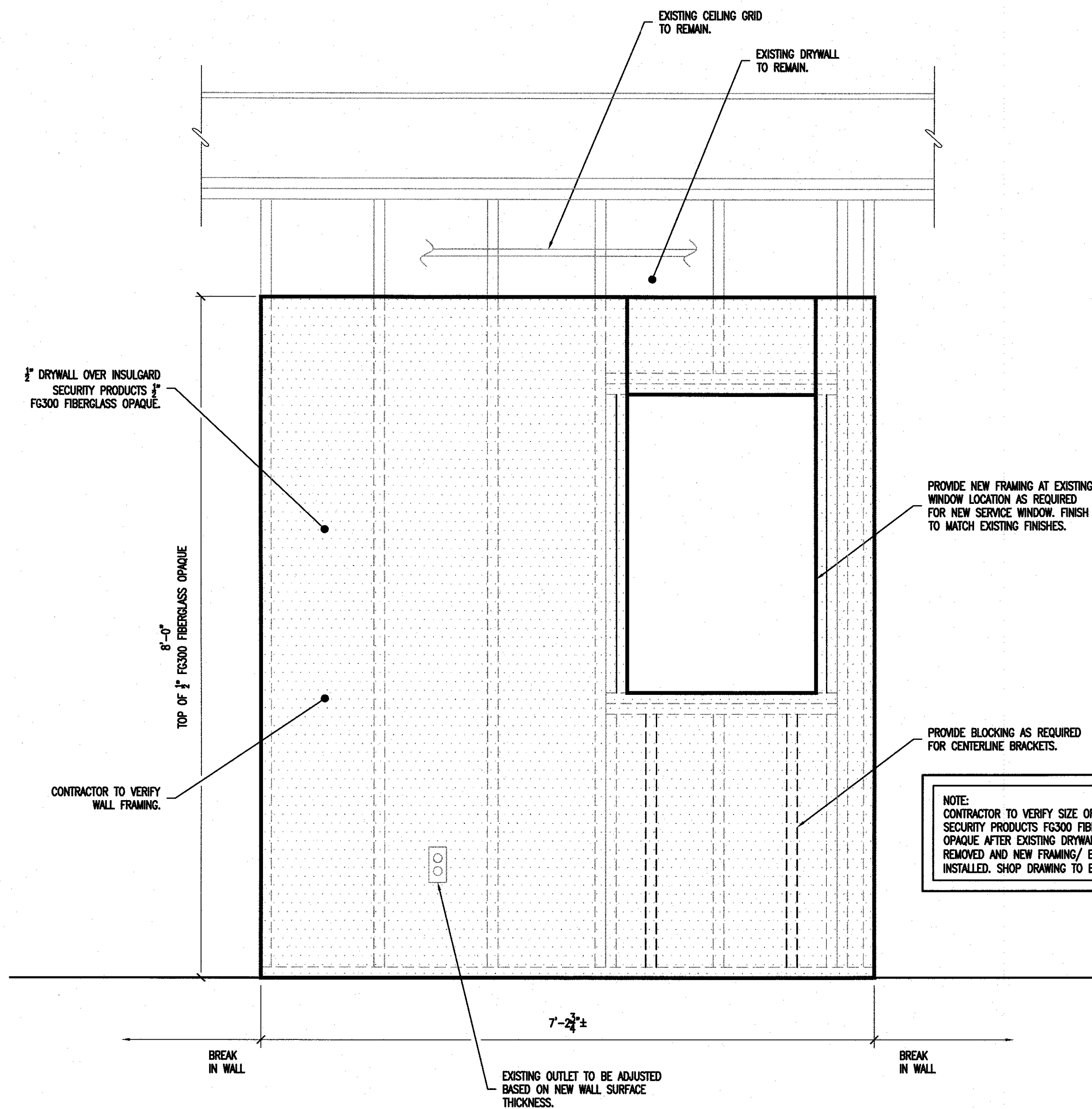
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**FIRST FLOOR PLAN,
ELEVATIONS
AND DETAILS**

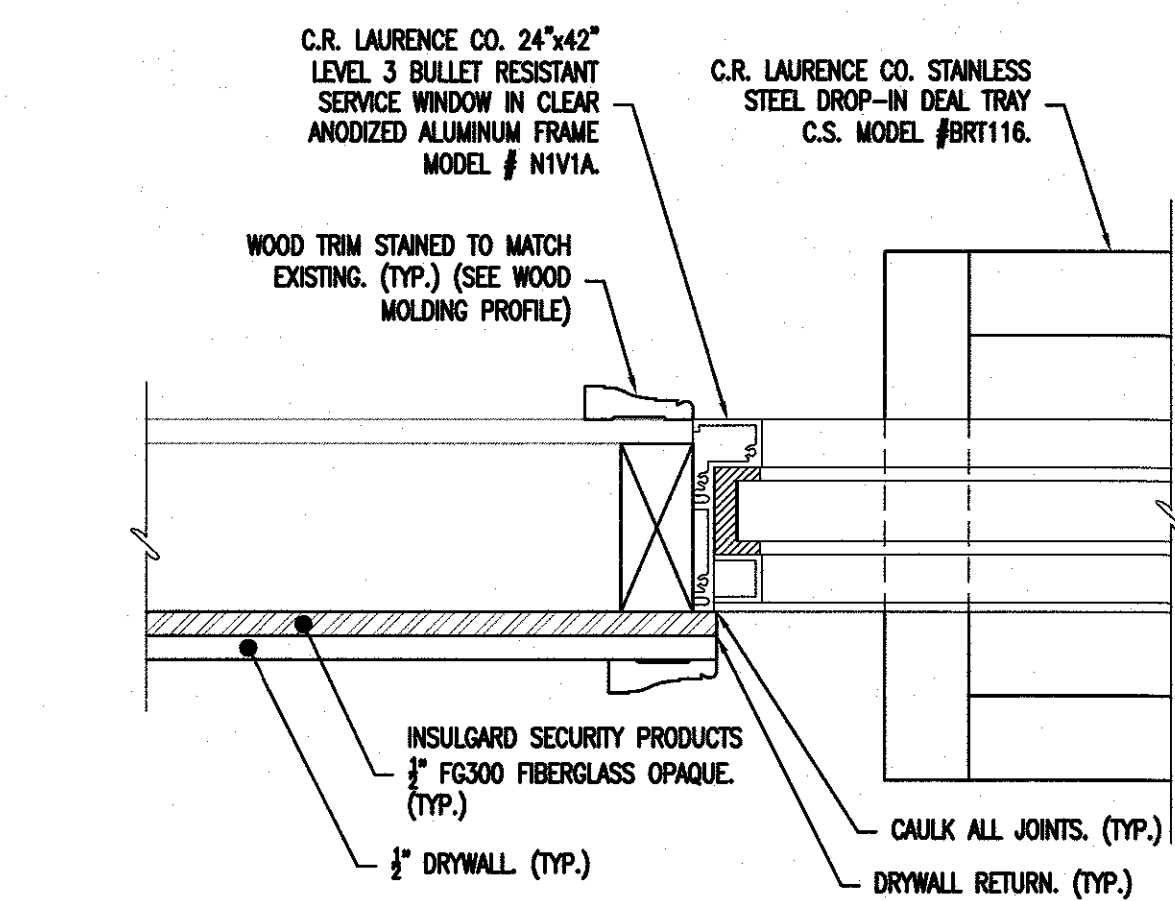
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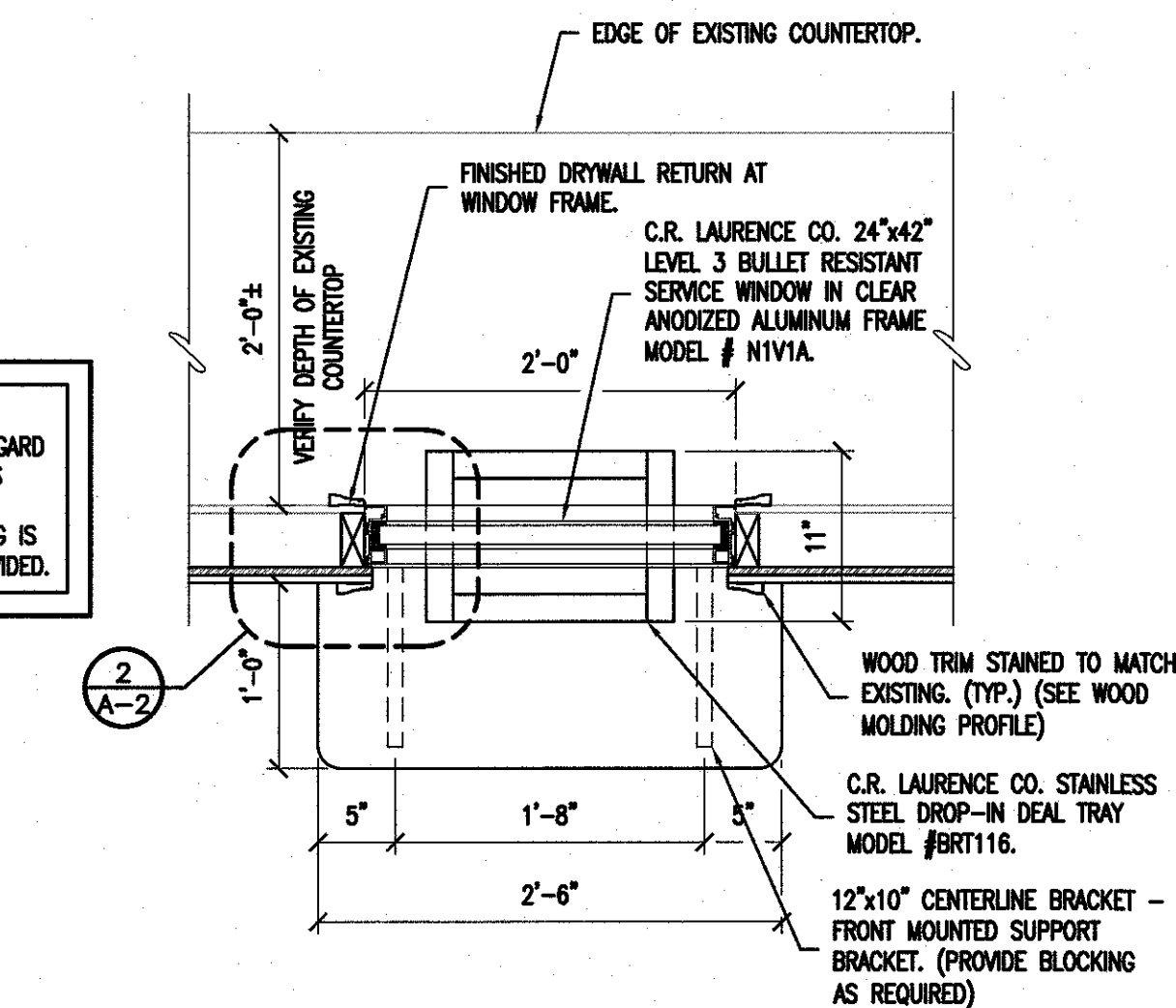
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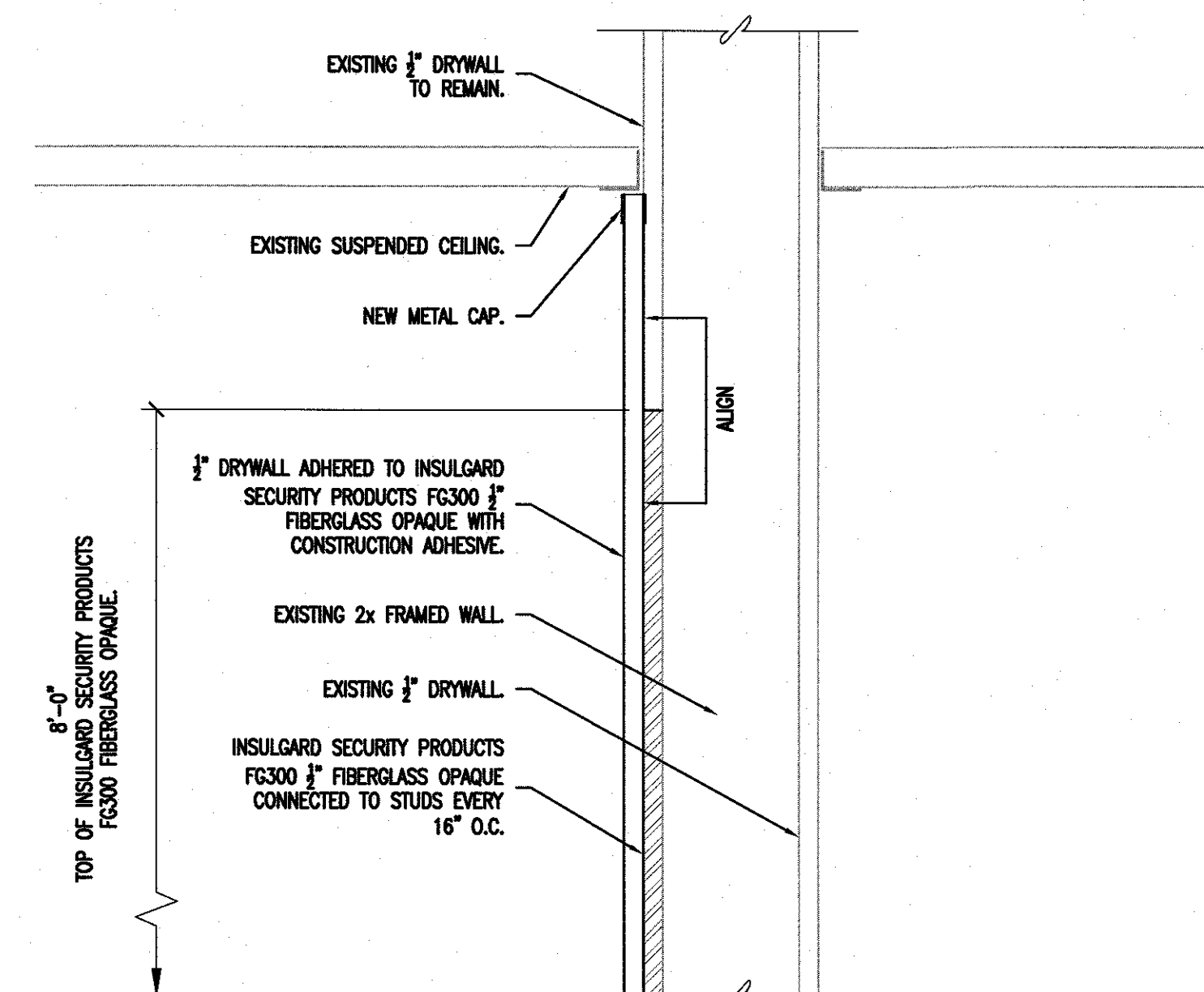
1 OFFICE FRAMING ELEVATIONS
SCALE: 1" = 1'-0"



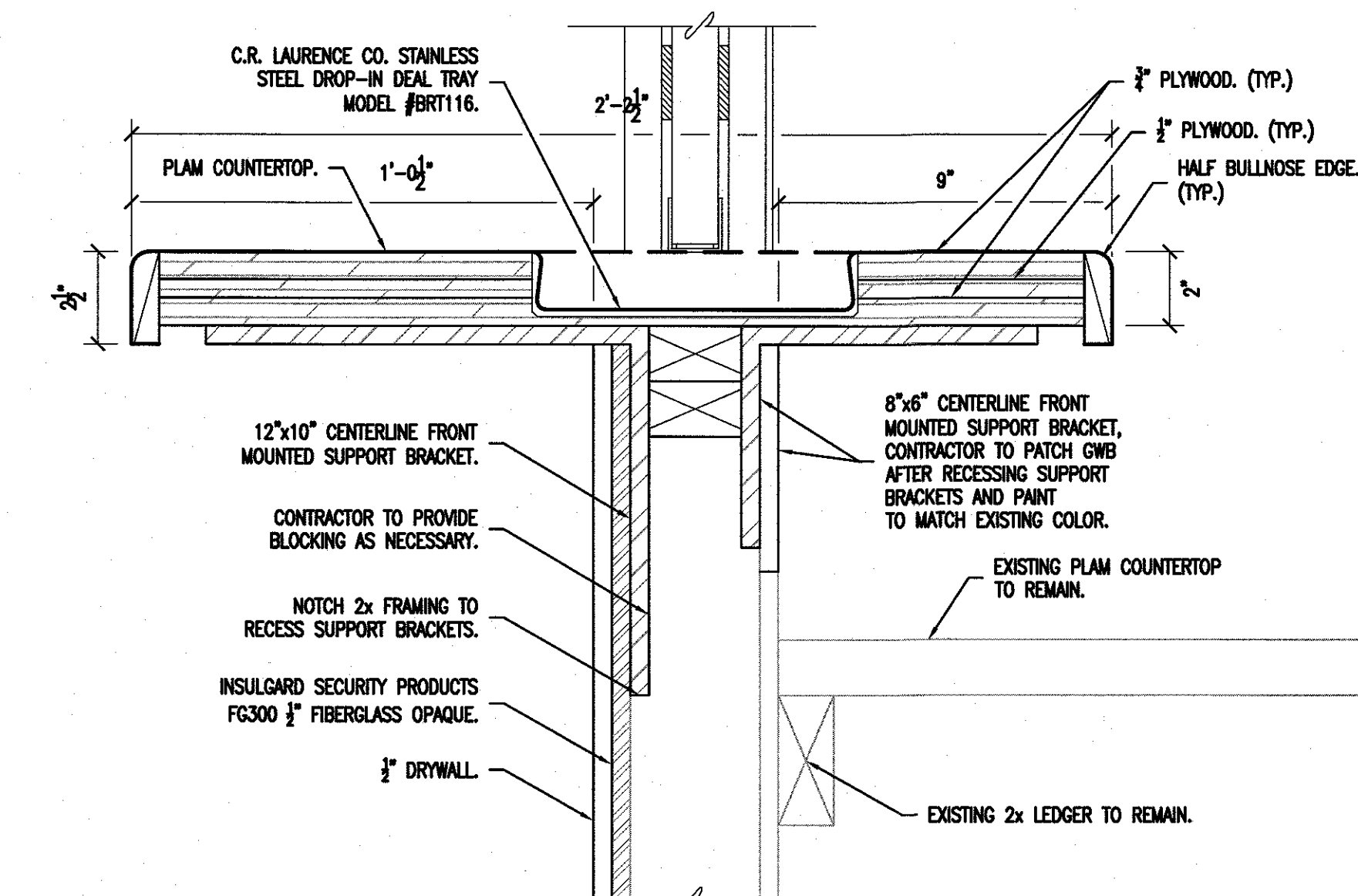
2 PLAN - TRANSACTION TRAY
SCALE: 3" = 1'-0"



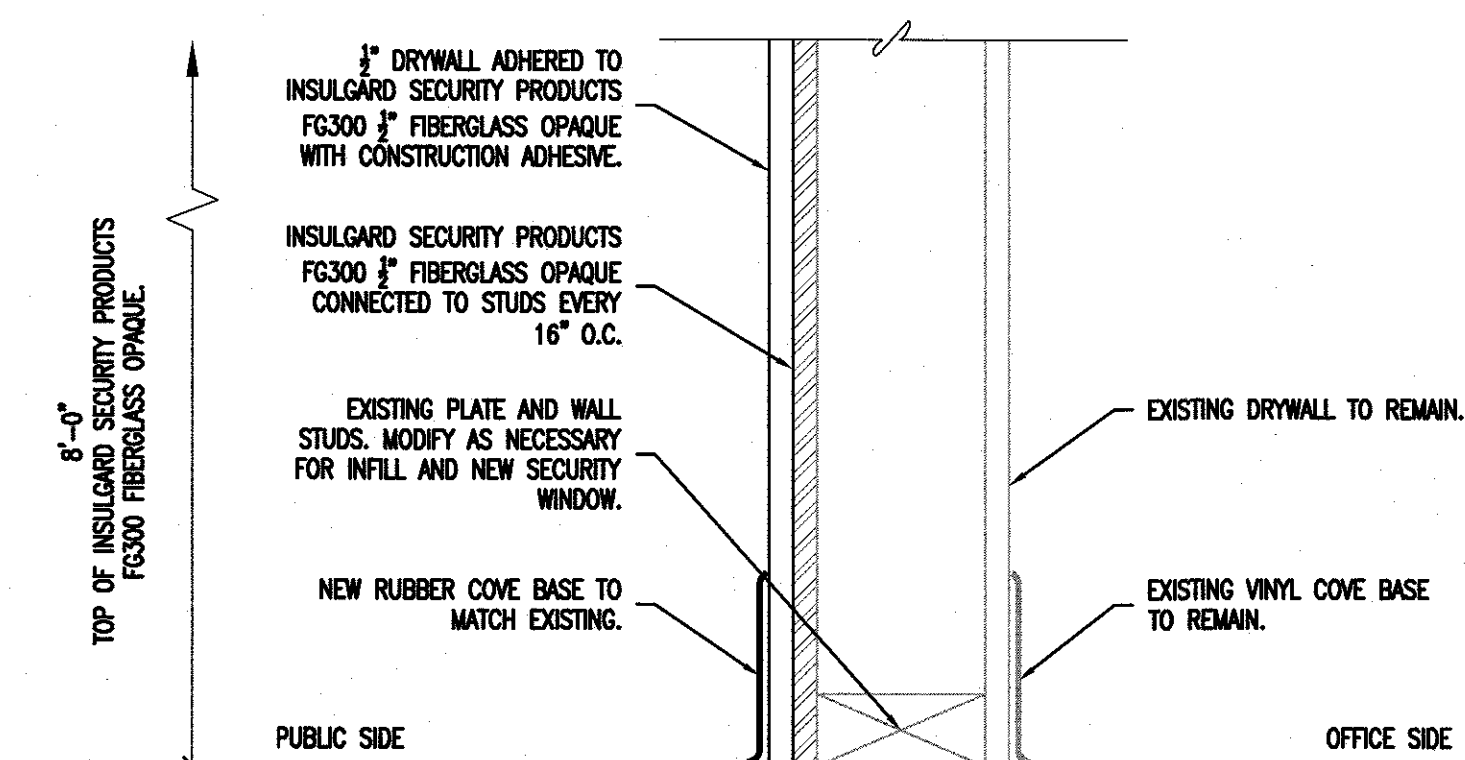
3 PLAN - TRANSACTION TRAY
SCALE: 1/2" = 1'-0"



4 WALL TRANSITION
SCALE: 3" = 1'-0"



5 DETAIL - COUNTERTOP BRACKET
SCALE: 3" = 1'-0"



6 DETAIL - WALL
SCALE: 3" = 1'-0"

NOTE:
ASSUME 1/2" DRYWALL ON ALL EXISTING WALLS. IF OTHER THAN 1/2" IS FOUND DURING CONSTRUCTION, NOTIFY ARCHITECT PRIOR TO PROCEEDING

FG SERIES FIBERGLASS OPAQUE



Offering innovative solutions for bullet, blast, impact and wind resistance.

SPECIFICATION

- Underwriters Laboratories UL 752 (Levels I-IV)
- National Institute of Justice (NIJ) (I, II-A, II, III-A, III)
- NIJ-4693.3A (CND) V-50 test
- ASTM E119-coa (1 hour fire test)
- ASTM E84-02a (Surface Burning Characteristics)
- Nominal weights and thicknesses (see chart)

Available Sheet Sizes

- 4' x 8'
- 3' x 8'
- 4' x 5'

APPLICATION INFORMATION

Butt joints are ballistically weak. Reinforcement is recommended using a 4" wide strip of the same material as a batten. No rigid high-density material should be used adjacent to the panel's inner surface (surface opposite side bullet enters). Allow a minimum gap of 1/4".

INSTALLATION

See Drawing

Insulgard
Security Products

FG SERIES FIBERGLASS OPAQUE

Composites Ballistic Chart UL - Underwriters Laboratories

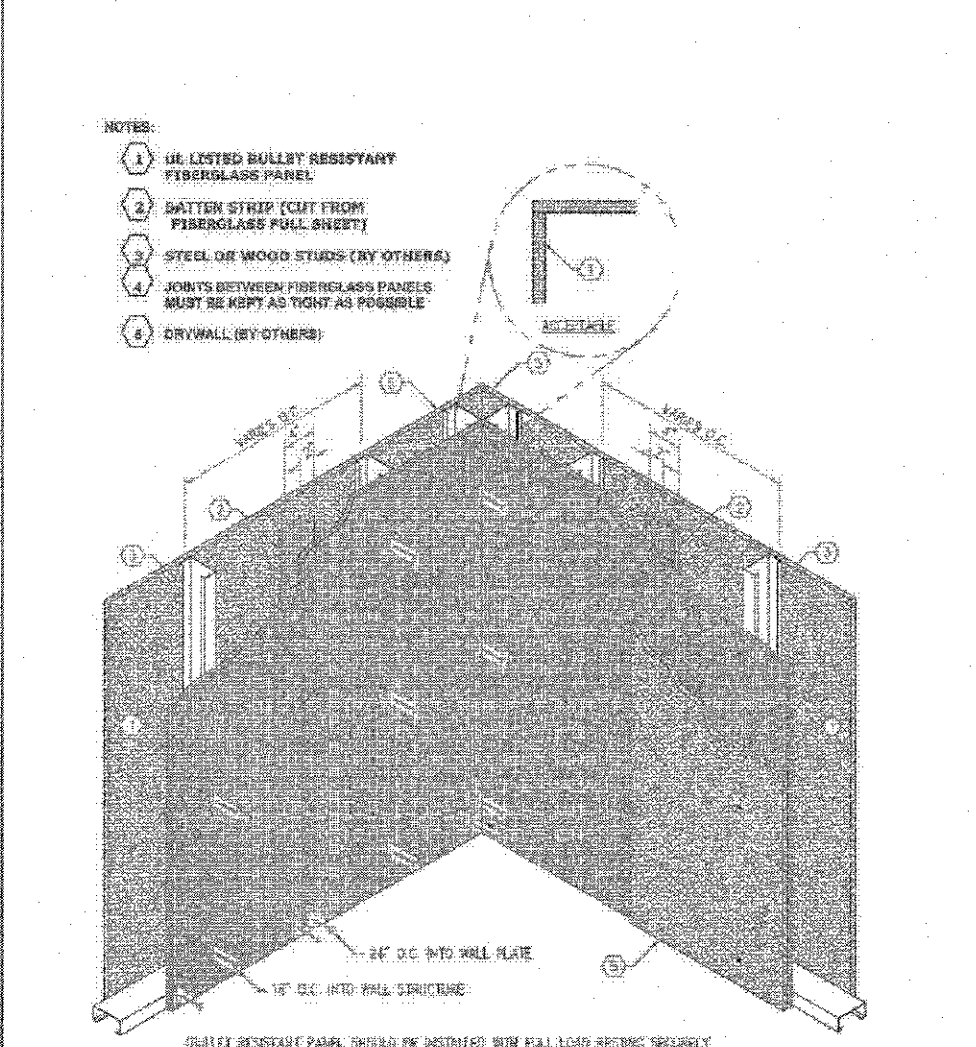
PRODUCT	NOMINAL WEIGHT LBS/SQ FT (KG/SQ MTR)	NOMINAL THICKNESS INCHES (MM)	LEVEL	WEAPON	AMMUNITION	Velocity Ft/Sec
FG 100	2.9 (14.6)	1/4 (6)	UL 1 (MPSA)	9mm	124 GR FMJ	1175-1295
FG 200	4.1 (20)	3/8 (10)	UL 2 (MPSA)	.357 Magnum	158 GR SP	1250-1375
FG 300	5.3 (25.6)	1/2 (13)	UL 3 (SPSA)	.44 Magnum	240 GR L&AD	1350-1465
FG 400	13.7 (67)	1 3/16 (30)	UL 4 (HPS)	.30 Cal Rifle	180 GR SP	2540-2794
FG 500	14.9 (73)	1 3/8 (35)	UL 5	7.62mm Rifle	130 GR FMJ	2750-3025
FG 600	4.1 (20)	3/8 (10)	UL 6	9mm Uzi	124 GR FMJ MULTIPLE SHOTS	1400-1540
FG 700	12.1 (59)	1 1/16 (27)	UL 7	5.56mm M-16	55 GR FMJ MULTIPLE SHOTS	3080-3368
FG 800	15.5 (76)	1 7/16 (37)	UL 8	7.62mm Rifle	150 GR FMJ MULTIPLE SHOTS	2750-3025

ABBREVIATIONS USED IN THIS CHART

UL UNDERWRITERS LABORATORY
SP SOFT POINT
GR GRAINE
LRH LONG RIFLE HIGH ECONOMY
MPSA MEDIUM POWER SMALL ARMS
HPSA HIGH POWER SMALL ARMS
SPSA SUPER POWER SMALL ARMS
HPS HIGH POWER RIFLE
FMJ FULL METAL JACKET
JACKETED SOFT POINT

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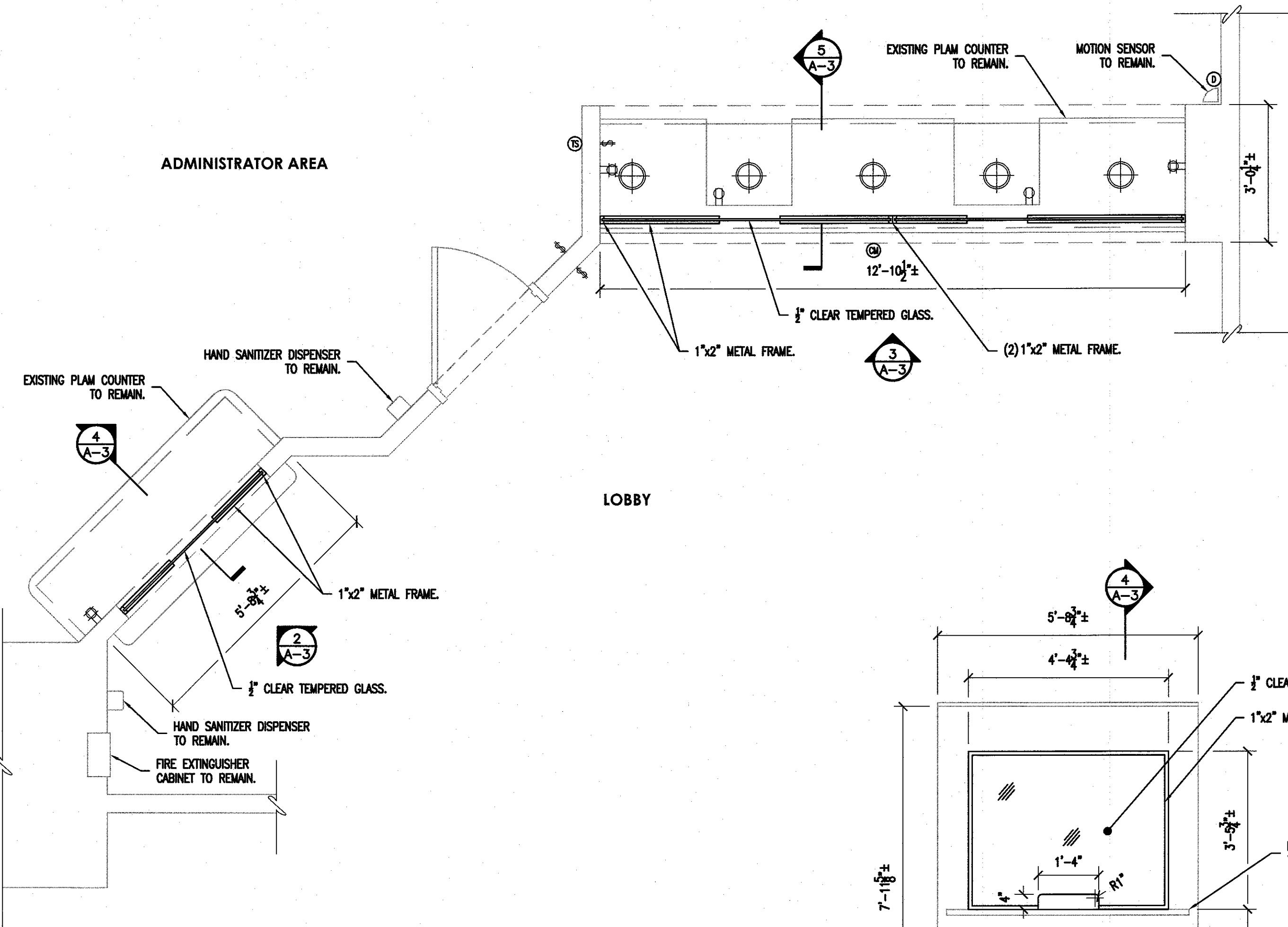
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NO.	DESCRIPTION	DATE

DRAWING TITLE:

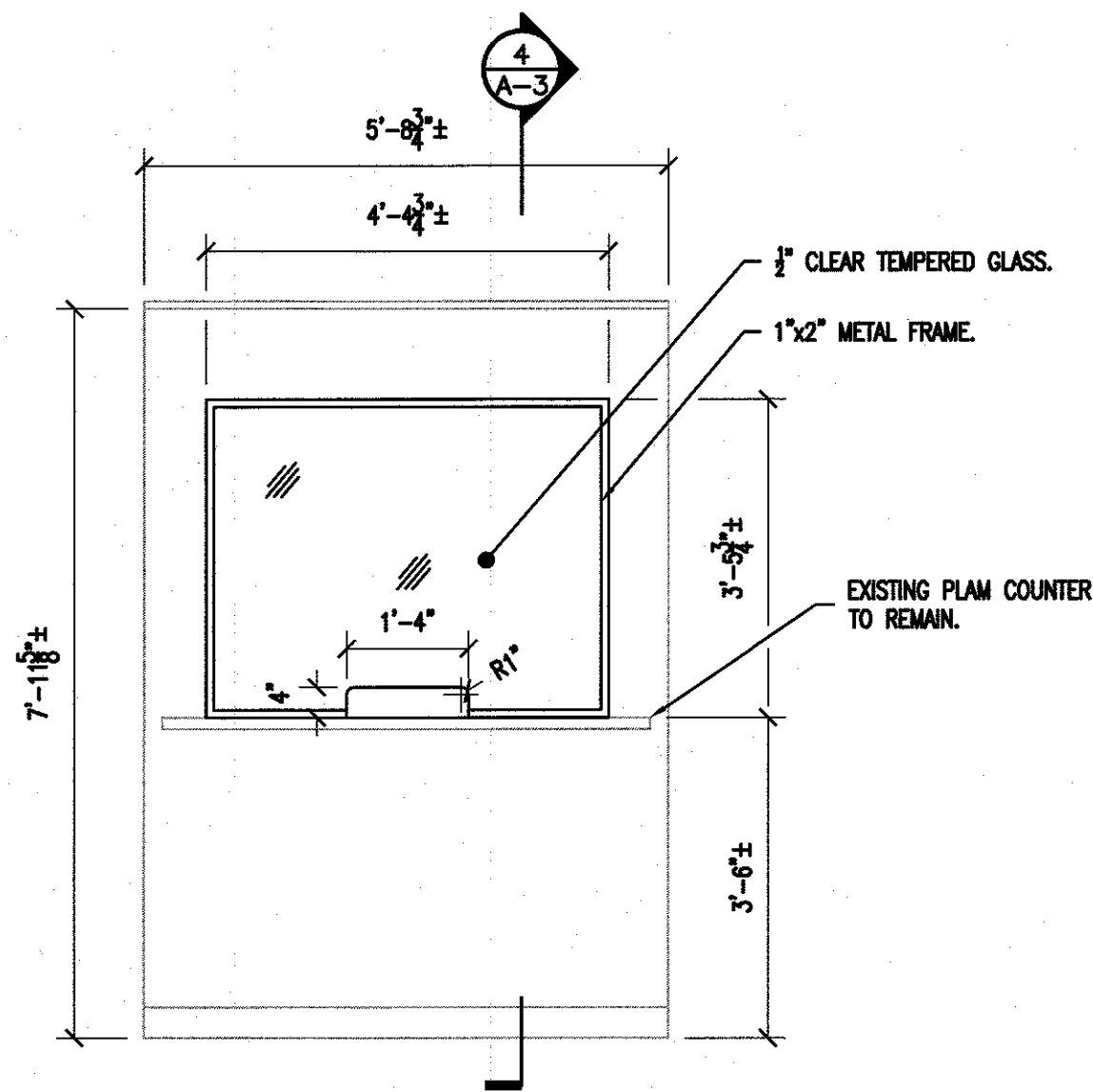
FIRST FLOOR FRAMING PLAN, SECTIONS AND DETAILS

JOB NO: AB2022-0	DESIGNED BY: DMS
DATE: 2/1/22	DRAWN BY: AM
SCALE: AS NOTED	CHECKED BY: DMS
DRAWING NUMBER:	

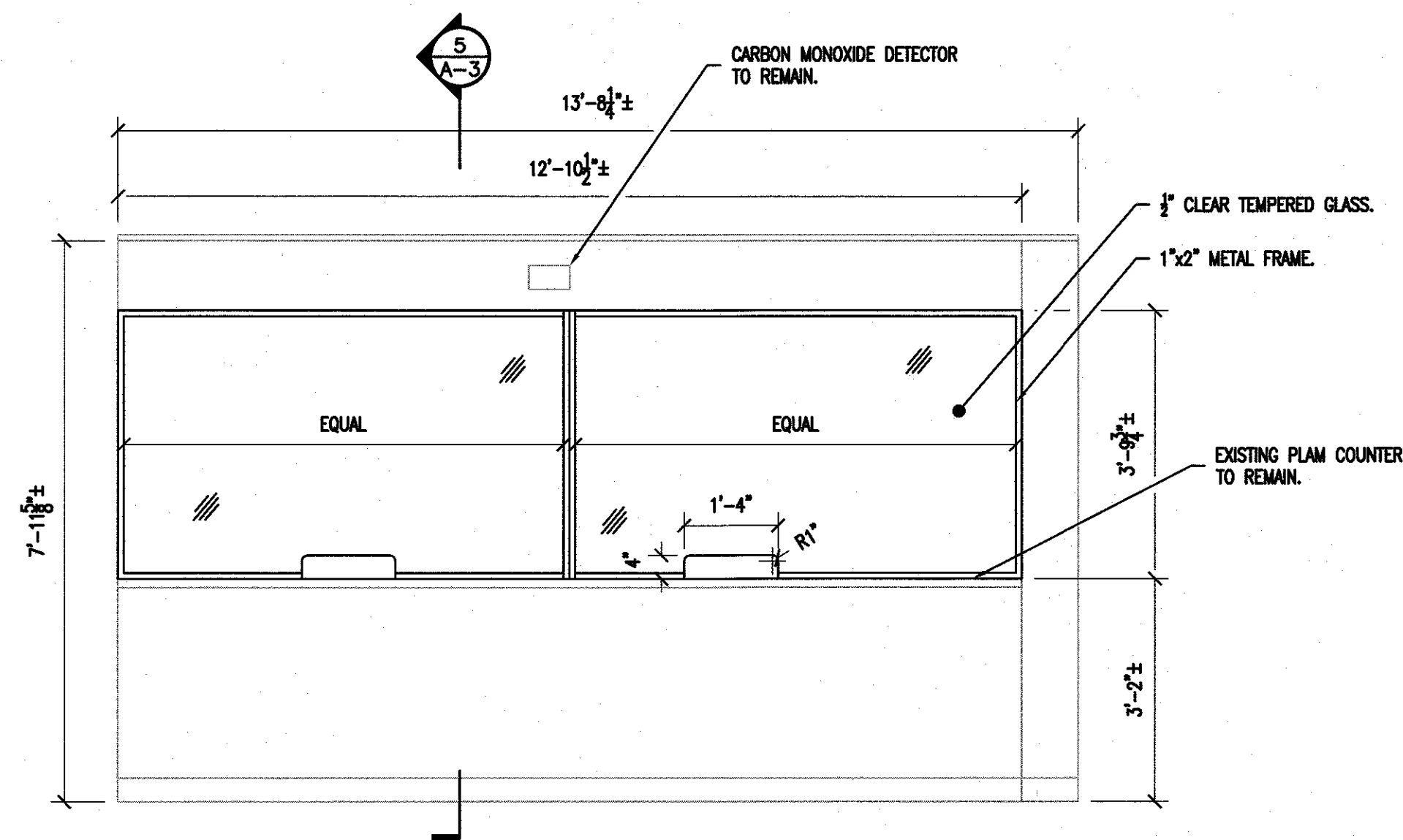
A-2



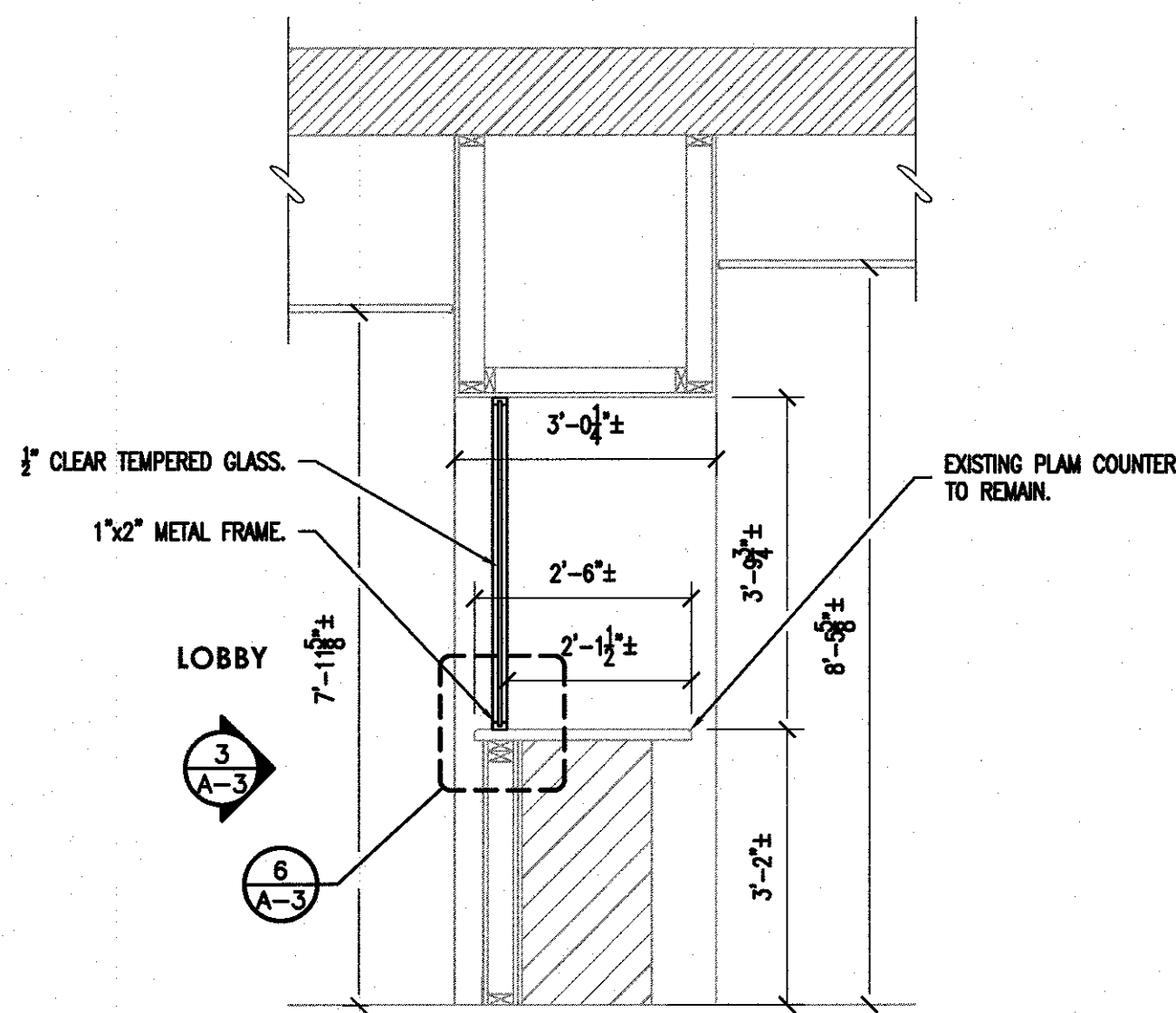
1 SECOND FLOOR PLAN
SCALE: 1/2" = 1'-0"



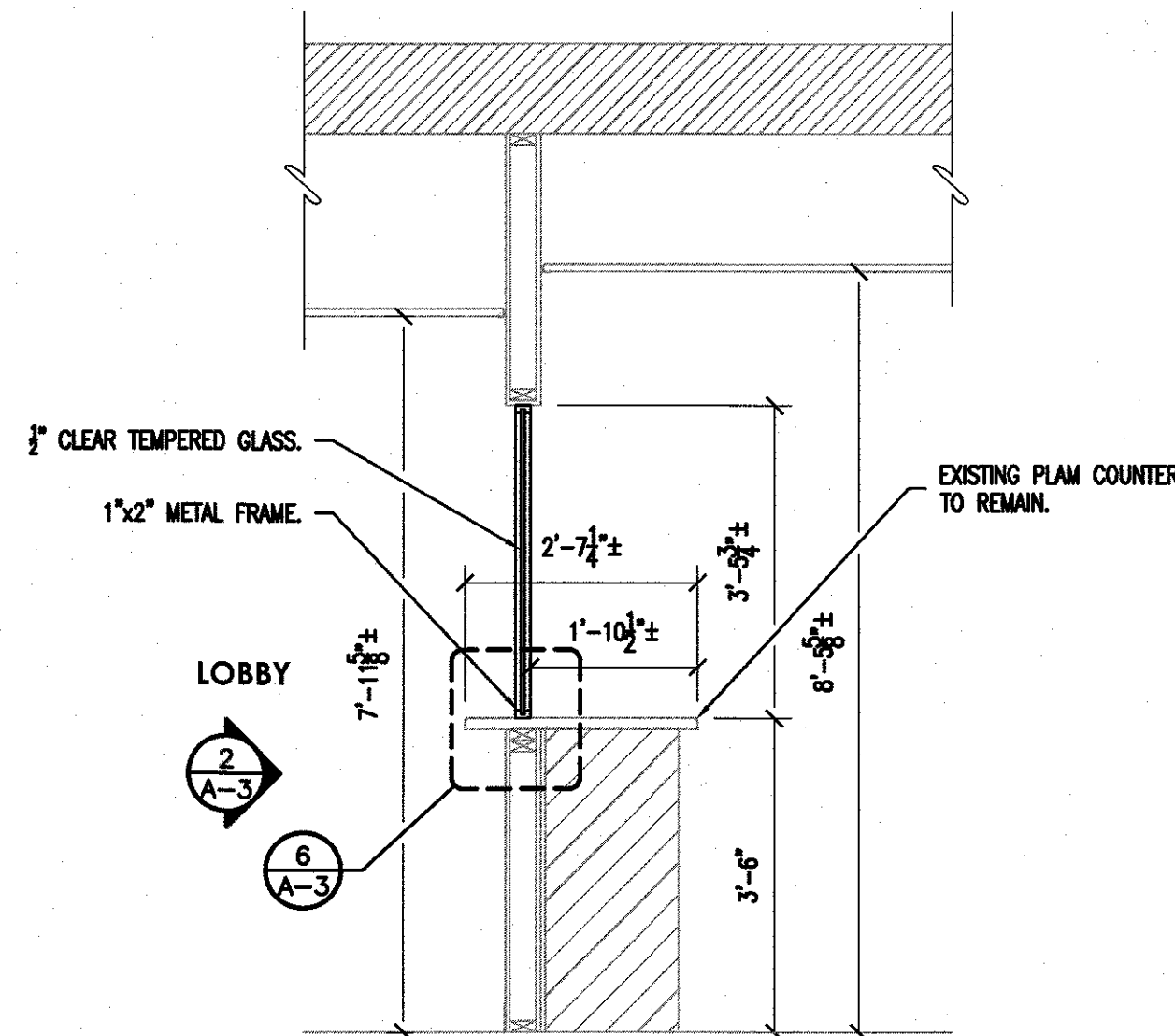
2 LOBBY ELEVATION
SCALE: 1/2" = 1'-0"



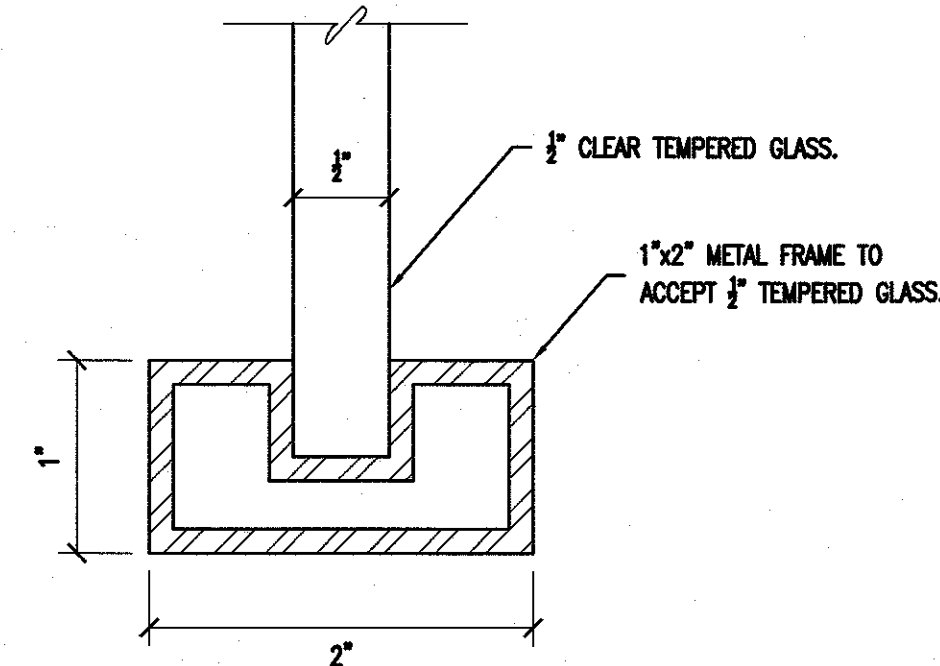
3 LOBBY ELEVATION
SCALE: 1/2" = 1'-0"



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



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



6 DETAIL - GLASS PARTITION
SCALE: NOT TO SCALE

FLOOR PLAN LEGEND:

- PARTITION TO BE DEMOLISHED
- /// NEW INTERIOR PARTITION
- EXISTING PARTITION
- EXISTING DOOR AND FRAME
- ⊕ DUPLEX RECEPTACLE OUTLET
- ⊕ INCANDESCENT LIGHT FIXTURE
- ⊕ SWITCH
- ⊕ CARBON MONOXIDE DETECTOR
- ⊕ HARDWARE & INTERCONNECTED
- ⊕ THERMOSTAT
- ⊕ SECURITY EQUIPMENT
- ⊕ DATA
- ⊕ SECTION TAG
- ⊕ ELEVATION TAG



BACH Associates, PC
ENGINEERS • ARCHITECTS • PLANNERS

304 White Horse Pike
Haddon Heights, New Jersey 08035
Tel: 856-546-8611
Fax: 856-546-8612
www.BachDesignGroup.com

SEALS:



STEVEN M. BACH, PE, RA, PP, CME
NJ PROFESSIONAL ENGINEER No. GE 41507
NJ REGISTERED ARCHITECT No. AI 14872
NJ PROFESSIONAL PLANNER No. LI 05557

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

PROJECT:

**BOROUGH OF AUDUBON
AUDUBON MUNICIPAL BUILDING
SECURITY IMPROVEMENTS**

606 WEST NICHOLSON ROAD
AUDUBON, NEW JERSEY 08106
CAMDEN COUNTY, NEW JERSEY

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REVISIONS		
NO.	DESCRIPTION	DATE

**SECOND FLOOR
PLAN,
ELEVATIONS AND
DETAILS**

JOB NO: AB2022-0	DESIGNED BY: DM3
DATE: 2/7/22	DRAWN BY: AM
SCALE: AS NOTED	CHECKED BY: DM3
DRAWING NUMBER:	

A-3