

TENANT IMPROVEMENT (MEDICAL CLINIC)

KIRKLAND, WA

PROJECT SCOPE

1,515 SF REMODEL OF EXISTING 1,515 SF MEDICAL OFFICE. WORK TO INCLUDE NEW RECEPTION AREA, PUBLIC RESTROOM, X-RAY ROOM, STORAGE, THREE EXAM ROOMS AND SUPPORT SPACES.

LEGAL DESCRIPTION

PCL A KIRKLAND SP 78-9-25 CARTER REV AF #7901150974 SD SP DAF - NE 1/4 OF NW 1/4 LESS S 656.5 FT & LESS W 30 FT & LESS E 25 FT LESS RDS SUBJ TO TRAN LN ESMT

APPLICABLE CODES

2015 INTERNATIONAL BUILDING CODE W/ WA STATE AMENDMENTS
 2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)
 2015 INTERNATIONAL MECHANICAL CODE (IMC)
 2015 INTERNATIONAL FUEL GAS CODE (IFGC)
 2015 INTERNATIONAL FIRE CODE (IFC)
 2015 WASHINGTON STATE ENERGY CODE COMMERCIAL (WSEC)
 2015 WASHINGTON STATE ENERGY CODE APPENDIX (WSEC)
 2015 UNIFORM PLUMBING CODE (UPC)
 2015 NATIONAL FUEL GAS CODE (NFPA 54)
 2014 LIQUEFIED PETROLEUM GAS CODE (NFPA 58)
 2014 WASHINGTON CITIES ELECTRICAL CODE
 2014 NATIONAL ELECTRICAL CODE (NFPA 70)
 ICC A117.1-2009 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
 ZONING CODE - KIRKLAND MUNICIPAL CODE

PLUMBING FIXTURES

PER TABLE 2902.1- 2015 INTERNATIONAL BUILDING CODE W/ WA STATE AMENDMENTS
OCCUPANCY TYPE- B
 OCC. 1 PER 100 SF
 1,515 SF/ 100 SF= 16 OCCUPANTS (8 MALE, 8 FEMALE)
 NUMBER OF TOILET FIXTURES REQUIRED= 1 EA. MALE / FEMALE
 NUMBER OF LAVATORIES REQUIRED= 1 EA. MALE / FEMALE
 NUMBER OF TOILET FIXTURES PROVIDED= 2 UNISEX
 NUMBER OF LAVATORIES PROVIDED= 2 UNISEX

SHEET INDEX

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SITE & BUILDING INFO.

TAXPAYER - EVERGREEN PARK NORTHWEST
 11400 98TH AVE NE STE 200
 KIRKLAND, WA 98033

TAX PARCEL NUMBER - 242270-0050

PROJECT ADDRESS - 13126 120TH AVE NE
 KIRKLAND, WA 98034

SITE STATISTICS
 ZONE - TL-1B
 SITE AREA - 1.68 ACRES (73,228 SF)
 REQUIRED BUILDING SETBACKS-
 FRONT - EXISTING
 SIDE (INTERIOR)- EXISTING
 SIDE (STREET)- EXISTING
 REAR - EXISTING

BUILDING STATISTICS
 ALLOWABLE HEIGHT - 35 FEET
 ACTUAL HEIGHT - 9 FEET (EXISTING)
 CONSTRUCTION TYPE - V-B, UNSPRINKLERED (EXISTING)
 OCCUPANCY TYPE - B (BUSINESS)

ENERGY CODE CALCS

PER 2015 WASHINGTON STATE ENERGY CODE
MAIN BUILDING:
 SLAB ON GRADE - R-10 FOR 24" BELOW
 JOIST/FRAMED FLOORS - R-30
 EXISTING JOIST/FRAMED FLOORS - NO CHANGE
 EXTERIOR WALLS - R-21
 EXISTING WALLS - NO CHANGE
 OPAQUE DOORS - U-0.37
 GLASS DOORS - U-0.60
 NON-METAL WINDOWS - U-0.30
 EXISTING WINDOWS - NO CHANGE
 ROOF - R-38
 EXISTING ROOF - NO CHANGE

- ALL FACED BATTS TO BE TAPED TO PROVIDE VAPOR BARRIER.
 - ALL VAPOR RETARDER TO BE INSTALLED ON WARM SIDE OF INSULATION.
 - PROVIDE SEALING, CAULKING AND GASKET AS REQUIRED BY NREC, SEE GENERAL NOTES FOR ADDITIONAL INFO.
 - INSTALL WEATHER STRIPPING AS REQUIRED @ ALL PENETRATIONS.

PER 2015 WASHINGTON STATE ENERGY CODE (LIGHTING CALCULATIONS)
 PER - INTERIOR LIGHTING SUMMARY-SPACE-BY-SPACE
 LTG-SUM & LTG-INT-SPACE

ALLOWED WATTS TOTAL: 1,140 W
 PROVIDED WATTS TOTAL: 1,083 W

PARKING CALCS

REQUIRED PARKING PER KIRKLAND MUNICIPAL CODE CHAPTER 55.15.010, FOR MEDICAL/DENTAL CLINICS:
 1 SPACE/200 SQUARE FEET; 1 BIKE SPACES PER 12 OR MORE PARKING SPACES

EXISTING SURFACE LOT:

53 STANDARD
 3 ADA

REQUIRED: 1,515 SF/200= 8 PARKING SPACES
 PROVIDED: 53 STANDARD
 3 ADA

BUILDING AREAS

PER TABLE 506.2 - 2015 INTERNATIONAL BUILDING CODE
 ALLOWABLE AREA FOR V-B CONSTRUCTION WITH A TYPE B OCCUPANCY = 9,000 SF

RENOVATED CLINIC/OFFICE - 1,515 SF

OCCUPANT LOADS

PER TABLE 1004.1.2 2015 INTERNATIONAL BUILDING CODE W/ WA STATE AMENDMENTS
EXISTING SUITE:
 B (BUSINESS) OCCUPANCY 1,515 SF @ 100 SF / OCCUPANT
 OCCUPANT LOAD = 15

TOTAL OCCUPANT LOAD - 16

PER TABLE 1006.2.1 2015 INTERNATIONAL BUILDING CODE W/ WA STATE AMENDMENTS
 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

B (BUSINESS) OCCUPANCY MAX OCCUPANT LOAD OF SPACE - 49

REQUIRED EXITS FOR SUITE 1 EXITS REQ.
 PROVIDED EXITS THROUGHOUT SUITE 1 EXITS

16 OCCUPANTS AT 2" PER = 3.2"

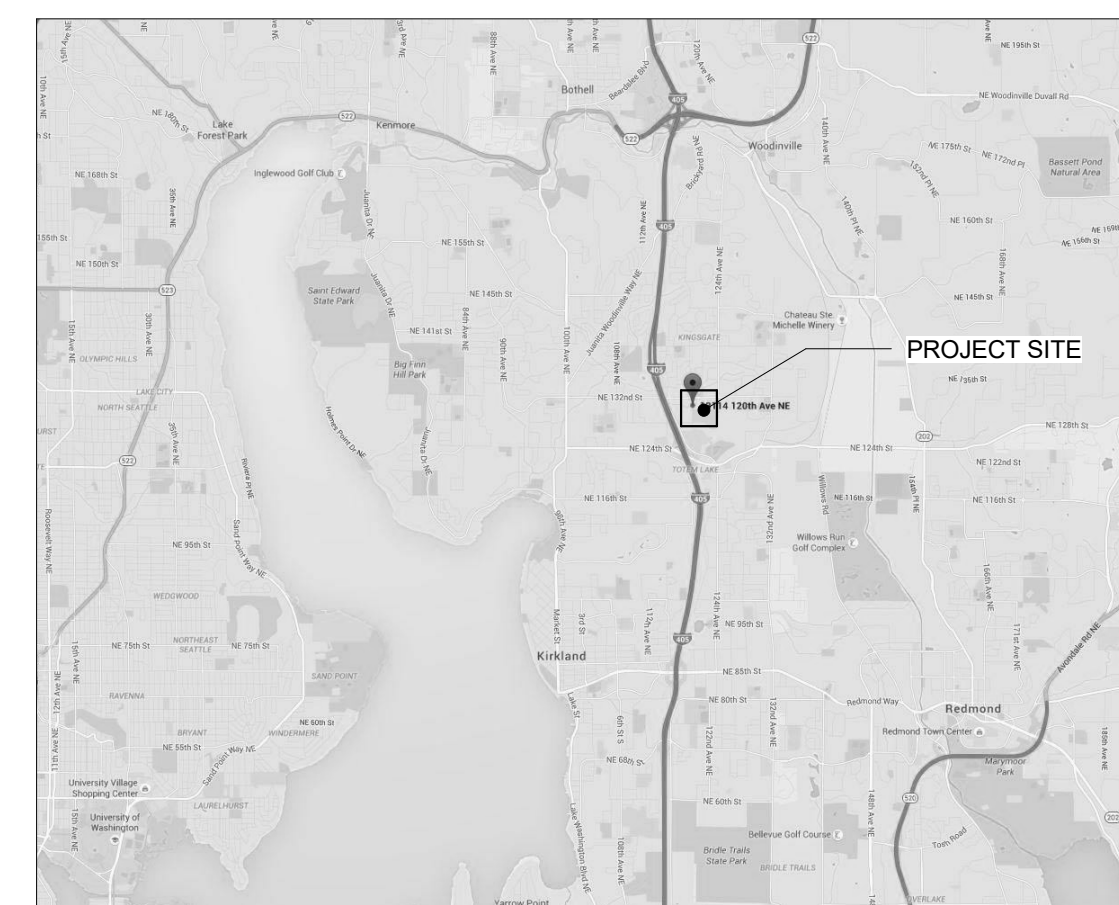
MAX. TRAVEL DISTANCE (IBC TABLE 1006.2.1) - 100'-0"

MAX. DISTANCE FOR COMMON PATH OF EGRESS TRAVEL (IBC TABLE 1006.2.1) - 100'-0"

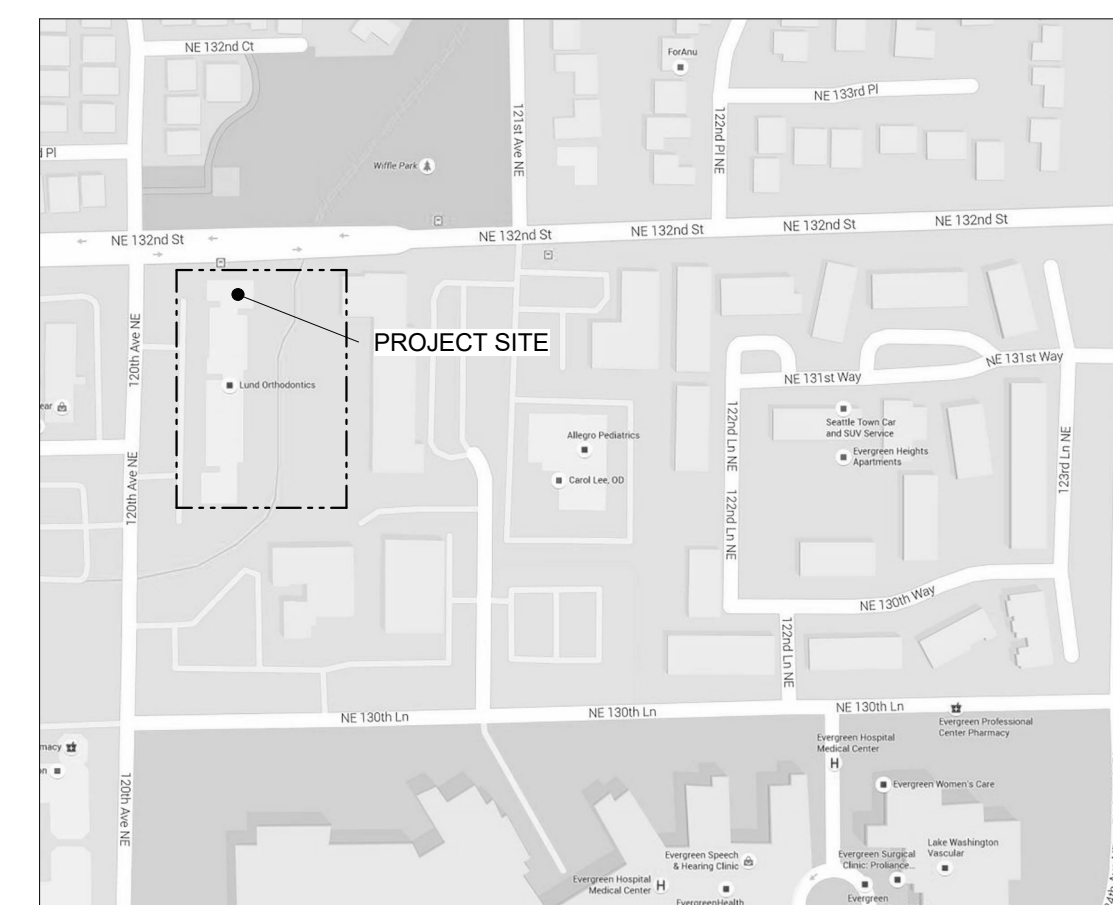
REQUIRED DOOR SEPARATION (IBC 1015.2.1) - 1/2 MAX DIAGONAL DIMENSION OF THE SUITE
 1/2(64'-11") = 32'-0 1/2" MIN. DOOR SEPARATION

EXISTING DOOR SEPARATION- 21'-11"

VICINITY MAP



LOCATION MAP



PROJECT TEAM

OWNER:
 WASHINGTON CENTER FOR PAIN MANAGEMENT
 12100 NORTHUP WAY
 BELLEVUE, WA 98005
 PHONE: 425.998.6208
 FAX: ?
 CONTACT: GLENN COMBS
 EMAIL: glenn@pacconpartners.com

ARCHITECT:
 JACKSON | MAIN ARCHITECTURE P.S.
 311 1ST AVE. S.
 SEATTLE WA 98104
 PHONE: 206.324.4800
 FAX: 206.322.2875
 CONTACT: TIM BLACK
 EMAIL: tim.black@jacksonmain.com

GENERAL CONTRACTOR:
 PACIFIC CONSTRUCTION PARTNERS, INC.
 12100 NORTHUP WAY
 BELLEVUE, WA 98005
 PHONE: 425.273.2775
 FAX: ?
 CONTACT: BRETT REYNOLDS
 EMAIL: brett@pacconpartners.com

SEPARATE SUBMITTALS

MECHANICAL
 ELECTRICAL
 PLUMBING
 FIRE ALARM



City of Kirkland
 Reviewed by R Braun
 11/10/2016

WA. CENTER FOR
 PAIN MGMT.

KIRKLAND CLINIC
 13126 120TH AVENUE
 NORTHEAST
 KIRKLAND, WASHINGTON

DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL



PROJECT NO.: 15174.02
 PROJECT MGR.: TSB
 DRAWN BY: TP
 CHECKED BY: GAP

COVER SHEET
G0.00

GENERAL NOTES

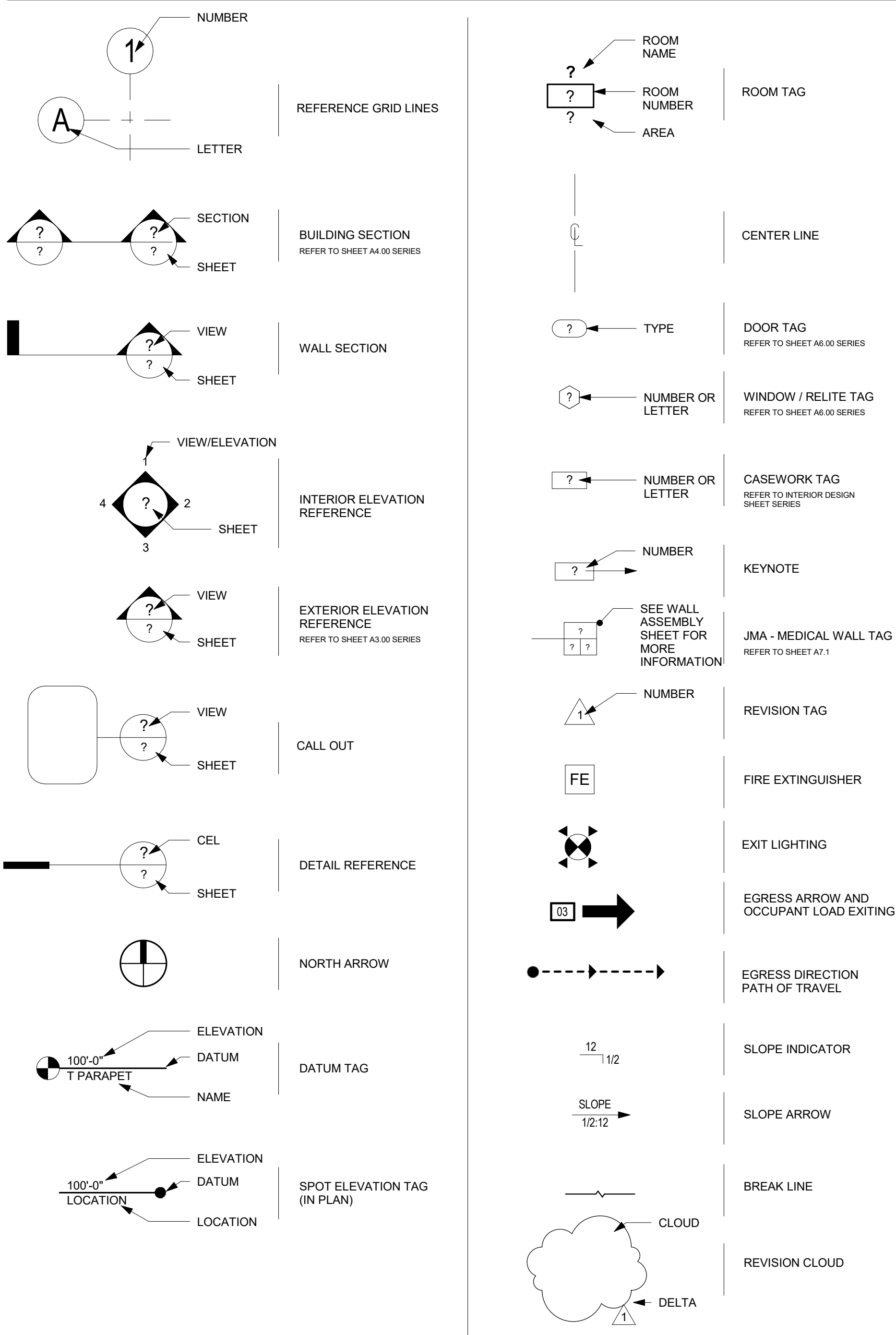
1. THE APPROVED PLANS SHALL NOT BE CHANGED OR ALTERED WITHOUT AUTHORIZATION FROM THE BUILDING OFFICIAL. A COMPLETE CURRENT SET OF THE APPROVED CONSTRUCTION DOCUMENTS MUST BE ON THE JOB SITE.
2. ALL WORK INCLUDING MATERIAL AND DESIGN SPECIFICATIONS SHALL CONFORM TO THE MOST RECENT LOCAL BUILDING CODES AND ORDINANCES.
3. BIDDER DESIGNED WORK TO BE APPROVED BY ARCHITECT PRIOR TO CONSTRUCTION. ALL EQUALS TO BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION.
4. GENERAL CONTRACTOR TO PROVIDE REQUESTS FOR INFORMATION (RFI) IN WRITING TO ARCHITECT DURING BIDDING AND CONSTRUCTION FOR CLARIFICATIONS OR ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL COORDINATE ALL REQUIRED OBSERVATIONS, TESTING AND INSPECTIONS.
6. CONTRACTOR SHALL PROVIDE ALL WORK IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IN THE CONFIGURATION(S) SHOWN. CONTRACTOR SHALL NOT DEVIATE FROM THESE CONFIGURATION(S) WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT OF RECORD.
7. THESE DOCUMENTS CONTAIN NOTES THAT MAY APPLY GENERALLY TO ALL DESIGN ELEMENTS, SPECIFICALLY TO ONE SHEET, OR SPECIFICALLY TO ONE OR MORE DESIGN ELEMENTS. THE NOTES ARE NOT MERE GUIDELINES, THEY ARE PART OF THE DESIGN. ANY WORK PERFORMED THAT IS NOT IN COMPLIANCE WITH THE NOTES IS NOT IN COMPLIANCE WITH THE DESIGN AND IS SUBJECT TO REJECTION. ANY ALTERATION, MODIFICATION, DELETION OR ADDITION TO THE NOTES BY WRITING, ACT OR FAILURE TO ACT, SHALL BE CARRIED OUT ONLY WITH THE PRIOR WRITTEN CONSENT AND APPROVAL OF THE ARCHITECT.
8. THESE DOCUMENTS ARE MEANT TO INDICATE GENERAL DESIGN INTENT AND SHOW ASSEMBLIES OF STRUCTURAL AND NON-STRUCTURAL MEMBERS, SIZES, SHAPES, CONNECTIONS, ETC. COORDINATE WITH OTHER CONTRACT DOCUMENTS FOR COMPLETE SYSTEMS AND ASSEMBLY INFORMATION. ANY ITEMS NOT INDICATED ON DRAWINGS OR SPECIFIED HEREIN, BUT NECESSARY FOR A COMPLETE AND FINISHED PRODUCT ARE TO BE CONSIDERED PART OF THIS DOCUMENT AND SHALL BE INCLUDED IN THE CONSTRUCTION TO MEET INDUSTRY STANDARDS AT NO ADDITIONAL COST.
9. ANY DISCREPANCY FOUND AMONG THESE NOTES, DRAWINGS, SPECIFICATIONS, AND ANY SITE CONDITIONS SHALL BE REPORTED IN A TIMELY MATTER AND IN WRITING TO THE ARCHITECT WHO SHALL CLARIFY ANY DISCREPANCY IN WRITING. ANY WORK DONE BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK.
10. ERRORS OR OMISSIONS IN ANY SCHEDULE OR DRAWING DO NOT RELIEVE THE CONTRACTOR FROM THE WORK INTENDED IN THE DRAWING OR DESCRIBED IN THE SPECIFICATIONS.
11. ALL DETAILS CALLED OUT ARE TYPICAL AND ASSUMED TO BE IN MULTIPLE LOCATIONS. VERIFY LOCATIONS AND QUANTITY PRIOR TO BID.
12. TYPICAL DETAILS OR BUILDING STANDARDS SHALL APPLY WHERE NO SPECIFIC DETAILS ARE GIVEN. THE ARCHITECTURAL DRAWINGS REPRESENT THE DESIGN INTENT AND ARE NOT INTENDED TO INDICATE THE MEANS AND METHOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED FOR THIS PROJECT.
13. CONTRACTOR SHALL VERIFY AND CHECK ALL CONDITIONS AND DIMENSIONS AT THE BUILDING WHILE UNDER CONSTRUCTION. REPORT ANY INCONSISTENCIES TO THE ARCHITECT. CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION.
14. ALL DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, ELEVATIONS, SECTIONS AND DETAILS. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CROSS CHECK DETAILS AND DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND OTHER DRAWINGS APPLICABLE. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE COMMENCING WORK.
15. ALL DIMENSIONS ARE TO FACE OF STUD OR STRUCTURAL GRID, UNLESS OTHERWISE NOTED.

ARCHITECTURAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED. ABBREVIATIONS MAY BE USED IN CONJUNCTION WITH EACH OTHER.	
AB ANCHOR BOLT	JAN JANITOR
ABV ABOVE	JC JANITOR'S CLOSET
A/C AIR CONDITIONING	JCT JUNCTION
ADA AMERICANS WITH DISABILITIES ACT	JST JOIST
ADDL ADDITIONAL	JT JOINT
ADJ ADJUST(A)BLE	KD KNOCK DOWN
AFF ABOVE FINISHED FLOOR	KIT KITCHEN
AGG AGGREGATE	KP KICKPLATE
AHJ AUTHORITIES(ITY) HAVING JURISDICTION	KO KNOCK OUT
AIA AMERICAN INSTITUTE OF ARCHITECTS	LAM LAMINATE(D)
ALT ALTERNATE or ALTERNATIVE	LAV LAVATORY
ALUM ALUMINIUM	LOC LIMITS OF CONSTRUCTION
ANOD ANODIZED	LIDA VEGETATIVE SWALE
ANSI AMERICAN NATIONAL STANDARDS	MAINT MAINTENANCE
INSTITUTE ARCHITECT OF RECORD	MANF MANUFACTURE(R) or (D)
AP ACCESS PANEL	MATL MATERIAL ASSOCIATION(S)
ARCH ARCHITECT	MAX MAXIMUM
ASSOC ASSOCIATION(S)	MBX MAILBOX
ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS	MDF MEDIUM DENSITY FIBERBOARD
AXON AXONOMETRIC	MECH MECHANICAL
BATT BATT INSULATION	MEMB MEMBRANE
BD BOARD	MEMP MECHANICAL, ELECTRICAL, & PLUMBING
BLDG BUILDING	MIN MINIMUM or MINUTE
BLK BLOCK	MISC MISCELLANEOUS
BLKG BLOCKING	MR MOISTURE RESISTANT
BM BEAM or BENCH MARK	MRGB MOUNTED RESISTANT GYPSUM BOARD
BMU BRICK MASONRY UNIT	MND MOUNTED
BO BOTTOM OF	MTL METAL
BP BUILDING PAPER	MULL MULLION
BRK BRICK	(N) NEW
BTB BACK TO BACK	N NORTH
BTWN BETWEEN	N/A NOT APPLICABLE or NOT AVAILABLE
BW BACK OF WALK or BOTTOM WIDTH	NIC NOT IN CONTRACT
BUR BUILD UP ROOF	NOB NOMINAL
BYD BEYOND	NTP NOTICE TO PROCEED
NTP NOTICE TO PROCEED	NTS NOT TO SCALE
OC ON CENTER	OD OUTSIDE DIAMETER or OUTSIDE DIMENSION
OD OUTSIDE DIAMETER or OUTSIDE DIMENSION	OCFC OWNER FURNISHED, CONTRACTOR CONCRETE
OCFC OWNER FURNISHED, CONTRACTOR CONCRETE	OFI OWNER FURNISHED, OWNER INSTALLED
OFI OWNER FURNISHED, OWNER INSTALLED	OPP OPPOSITE
OPP OPPOSITE	OPT OPTIONAL
OPT OPTIONAL	ORIG ORIGINAL
ORIG ORIGINAL	OSCP OWNER SELECTED, CONTRACTOR PROVIDED
OSCP OWNER SELECTED, CONTRACTOR PROVIDED	OTS OPEN TO STRUCTURE
OTS OPEN TO STRUCTURE	OVHD OVERHEAD
OVHD OVERHEAD	P PAINT(ED)
P PAINT(ED)	PANL PANEL
PANL PANEL	PC PORTLAND CEMENT or PRECAST CONCRETE
PC PORTLAND CEMENT or PRECAST CONCRETE	PED PEDESTRIAN
PED PEDESTRIAN	PEN PENETRATION
PEN PENETRATION	PERF PERFORATE(D)
PERF PERFORATE(D)	PERIM PERIMETER
PERIM PERIMETER	PKG PARKING or PACKAGE
PKG PARKING or PACKAGE	PL PROPERTY LINE or PLATE
PL PROPERTY LINE or PLATE	PLAM PLASTIC LAMINATE
PLAM PLASTIC LAMINATE	PLWD PLYWOOD
PLWD PLYWOOD	POC POINT OF CONNECTION
POC POINT OF CONNECTION	PR PAIR
PR PAIR	PRE-FIN PRE-FINISHED
PRE-FIN PRE-FINISHED	PRCST PRECAST
PRCST PRECAST	PROP PROP
PROP PROP	PT PRESSURE TREATED
PT PRESSURE TREATED	PUD PLANNED URBAN DEVELOPMENT
PUD PLANNED URBAN DEVELOPMENT	QA QUALITY ASSURANCE
QA QUALITY ASSURANCE	QC QUALITY CONTROL
QC QUALITY CONTROL	QTY QUANTITY
QTY QUANTITY	RCP REFLECTED CEILING PLAN
RCP REFLECTED CEILING PLAN	RD ROOF DRAIN
RD ROOF DRAIN	REC RECTANGULAR
REC RECTANGULAR	REF REFERENCE or REFER TO
REF REFERENCE or REFER TO	REFR REFRIGERATOR
REFR REFRIGERATOR	REINF REINFORCED or (ING)
REINF REINFORCED or (ING)	RELOC RELOCATE(D) or (TION)
RELOC RELOCATE(D) or (TION)	REM REMOVAL or REMARK
REM REMOVAL or REMARK	REPL REPLACE
REPL REPLACE	REQD REQUIRED
REQD REQUIRED	RES RESIDENCE or (TIAL)
RES RESIDENCE or (TIAL)	RET RETENTION or RETURN
RET RETENTION or RETURN	RETW RETAINING WALL
RETW RETAINING WALL	REV REVISE(D) or (ION)
REV REVISE(D) or (ION)	RFM FINISHED FLOOR
RFM FINISHED FLOOR	RND ROUND
RND ROUND	RO ROUGH OPENING
RO ROUGH OPENING	ROW RIGHT OF WAY
ROW RIGHT OF WAY	RP REFERENCE POINT
RP REFERENCE POINT	RSF RESURFACE
RSF RESURFACE	RSVR RESERVOIR
RSVR RESERVOIR	S SOUTH
S SOUTH	SAM SELF ADHERING MEMBRANE
SAM SELF ADHERING MEMBRANE	SAN SANITARY
SAN SANITARY	SC SOLID CORE
SC SOLID CORE	SCHED SCHEDULE
SCHED SCHEDULE	SECT SECTION
SECT SECTION	SF SQUARE FEET (FOOT)
SF SQUARE FEET (FOOT)	SIM SIMILAR
SIM SIMILAR	SIMACNA SHEET METAL & AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SIMACNA SHEET METAL & AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION	SP STANDPIPE
SP STANDPIPE	SPEC SPECIFICATION(S)
SPEC SPECIFICATION(S)	SQ SQUARE
SQ SQUARE	SS STAINLESS STEEL
SS STAINLESS STEEL	STC SOUND TRANSMISSION CLASSIFICATION
STC SOUND TRANSMISSION CLASSIFICATION	STD STANDARD
STD STANDARD	STOR STORAGE
STOR STORAGE	STORC STRUCTURE, (AL)
STORC STRUCTURE, (AL)	SUB SUBSTITUTION
SUB SUBSTITUTION	SUPP SUPPLEMENT OR SUPPLY(IER)
SUPP SUPPLEMENT OR SUPPLY(IER)	SURF SURFACE
SURF SURFACE	SUSP SUSPENDED
SUSP SUSPENDED	SWK SIDEWALK
SWK SIDEWALK	SYM SYMBOL OR SYMMETRICAL
SYM SYMBOL OR SYMMETRICAL	T TREAD
T TREAD	T&B TOP AND BOTTOM
T&B TOP AND BOTTOM	T&G TONGUE AND GROOVE
T&G TONGUE AND GROOVE	T&M TIME AND MATERIALS
T&M TIME AND MATERIALS	TEMP TEMPORARY or TEMPERATURE
TEMP TEMPORARY or TEMPERATURE	THK THICK(NESS)
THK THICK(NESS)	TM TO MATCH
TM TO MATCH	TO TOP OF
TO TOP OF	TOC TOP OF CURB
TOC TOP OF CURB	TRANS TRANSFORMER
TRANS TRANSFORMER	TYP TYPICAL

Installation of X-Ray Equipment will require a building permit with engineering as a result of added weight to the wood frame building.

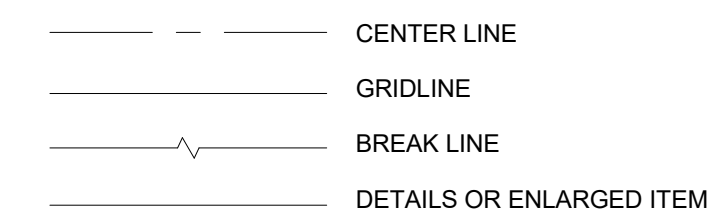
SYMBOLS



TYPICAL HATCHES

ALUMINUM	GRAVEL	PLYWOOD
CONCRETE	GYPSUM WALL BOARD	SAND
EARTH	LUMBER, FINISHED	STEEL
INSULATION, BATT	CONCRETE MASONRY (CMU)	WOOD BLOCKING
INSULATION, RIGID BOARD	MASONRY, BRICK / VENEER	CONTINUOUS WOOD MEMBER
GLASS		

ANNOTATION LINE TYPES



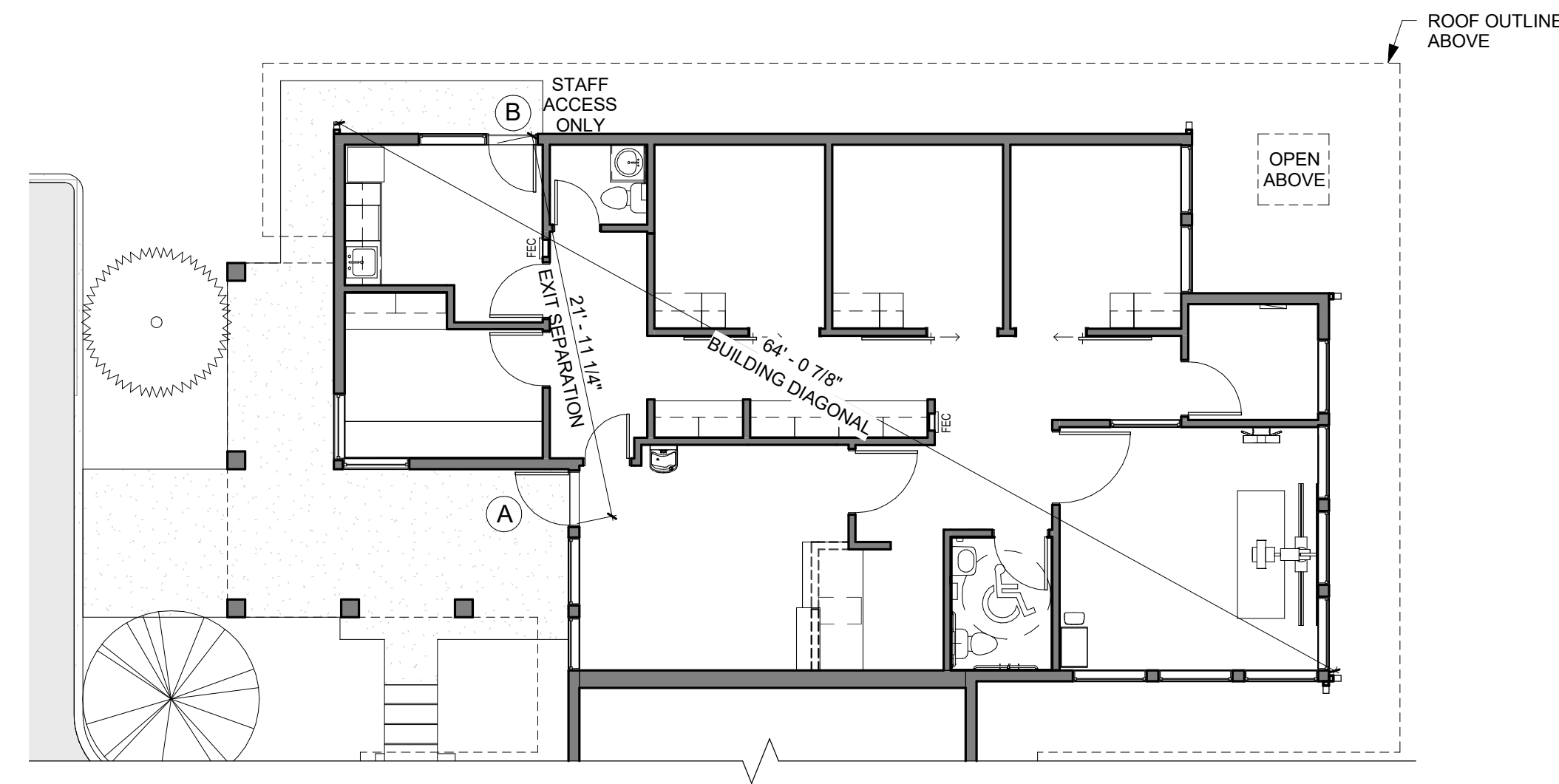
MUST REMAIN ON JOB SITE

HOURS OF WORK:
7 AM to 8 PM Mon-Fri and 9 AM to 6 PM Sat. No work Sundays & holidays (per KZC 115.25). Exceptions must be approved in writing by Planning Official.

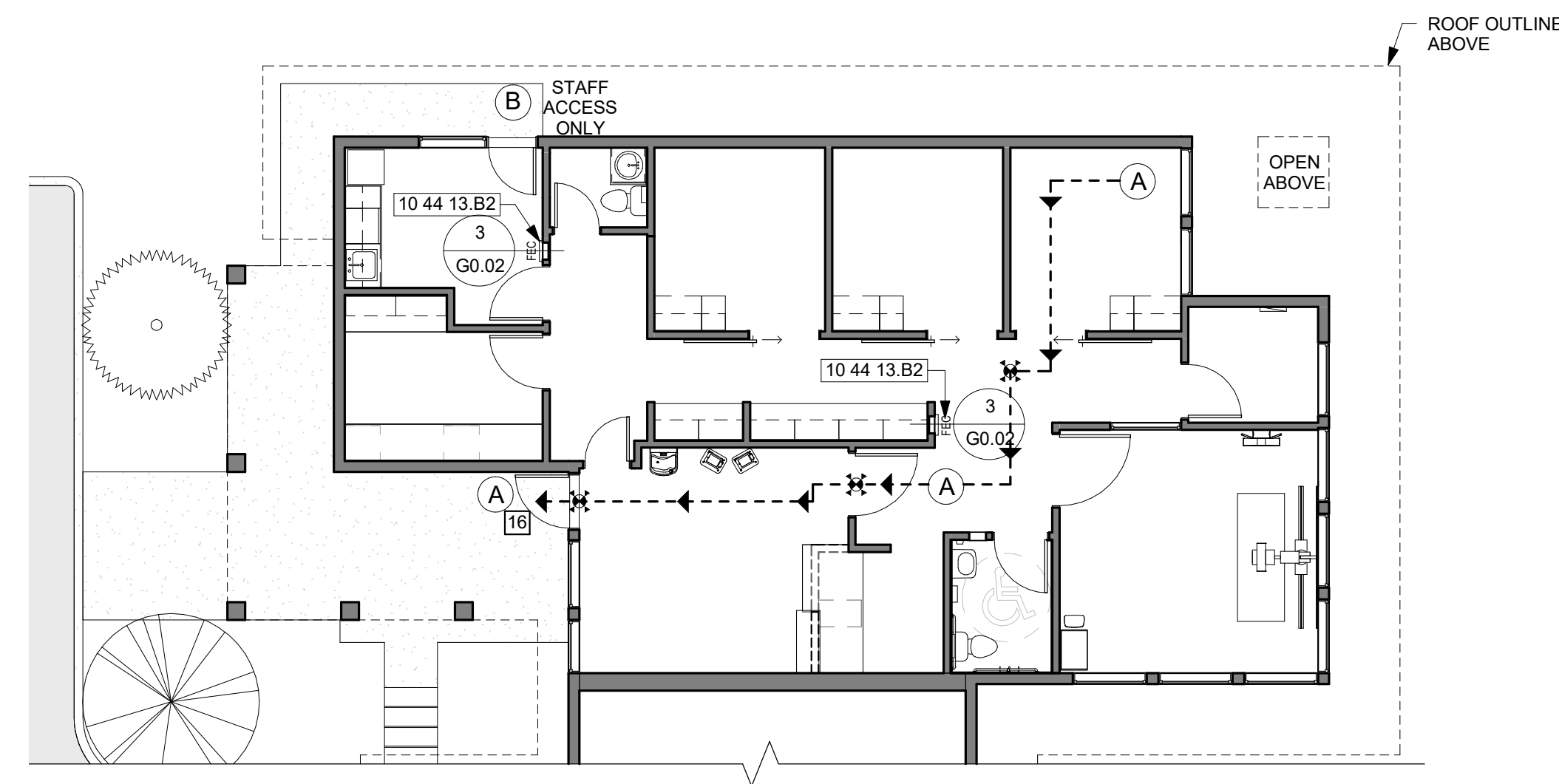
CITY NOTE:
Electrical, Mechanical, Plumbing, or Fire systems not reviewed nor part of this permit

DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL





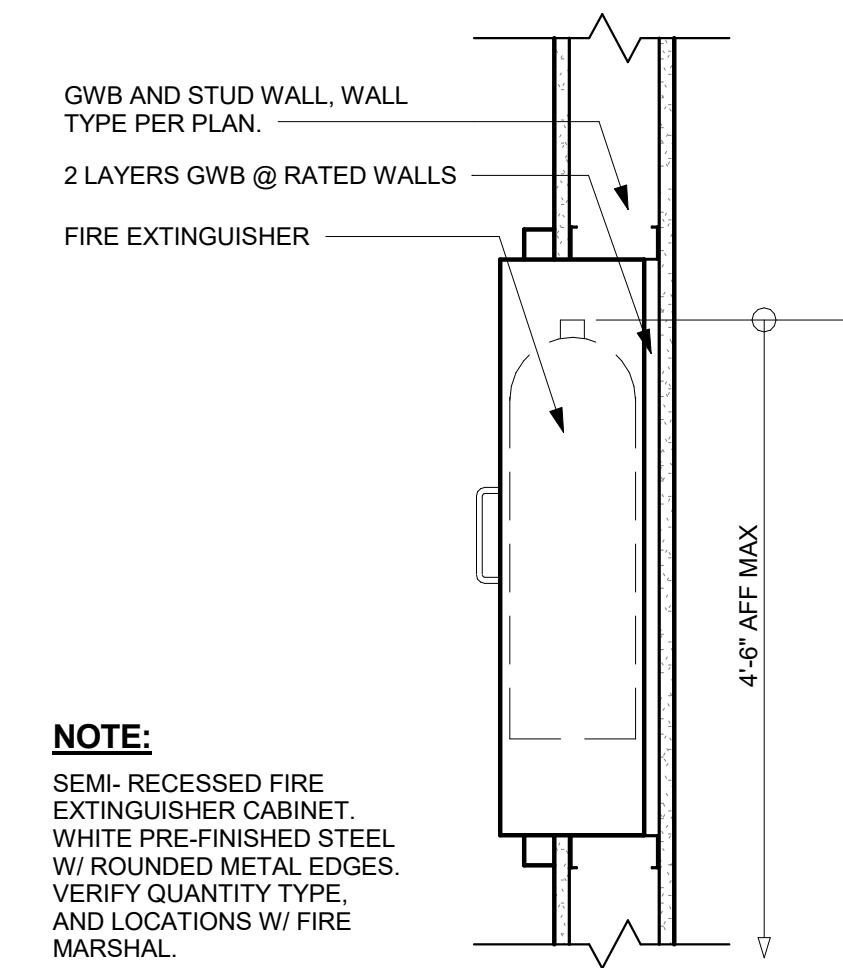
1 OCCUPANCY LOAD/EXIT DOOR SEPARATION PLAN
1/8" = 1'-0"



2 EGRESS PLAN
1/8" = 1'-0"

TOTAL SUITE AREA				
NAME	AREA	OCCUPANCY TYPE	OLF	OCCUPANCY LOAD
OFFICE SUITE	1514.45 SF	B	100	16

EXIT DOOR SIZE CALC.				
OCCUPANCY LOAD	EXIT DOOR #	OL PER DOOR	DOOR SIZE FACTOR	MIN DOOR SIZE
16	1	16	0.2	3.2



3 RECESSED FIRE EXTINGUISHER
1 1/2" = 1'-0"

SHEETNOTES:

- CODE NOTES:**
- EXIT ACCESS TRAVEL DISTANCE, PER IBC TABLE 1006.2.1, SHALL NOT EXCEED THE FOLLOWING:
100 FEET FOR NON-SPRINKLERED TYPE B OCCUPANCY
DISTANCE = 49'-6"
 - TRAVEL DISTANCE SHOWN IN DIAGRAMS REPRESENT FARTHEST TO THE EXIT TO SHOW THAT THE OCCUPANT, AT ANY PART OF THE BUILDING MAY BE ABLE TO REACH THE EXIT WITHIN THE ALLOWABLE DISTANCE.
- EXIT COMPONENTS NOTES:**
- EXISTING DOOR SIZE
A) 36 IN WIDE
- EGRESS LEGEND:**
- > DIRECTION OF EGRESS
- - - - -> ADA ACCESSIBLE PATH
- GENERAL FIRE AND LIFE SAFETY NOTES:**
- CONFIGURE FIRE DETECTION, INTERNAL ALARM AND CENTRAL REPORTING SYSTEMS IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION AND IN COMPLIANCE WITH THE GOVERNING EDITIONS OF ADA, ANSI AND THE BUILDING CODE. THE EQUIPMENT FURNISHED SHALL BE COMPATIBLE AND BE UL LISTED, FIRE MARSHAL APPROVED OR LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY IN ACCORDANCE WITH THE APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.
 - ALL INSULATION INDICATED ON PLANS SHALL COMPLY WITH OR EXCEED THE REQUIREMENTS OF THE MOST RESTRICTIVE PREVAILING BUILDING CODE (GOVERNING EDITION) FOR SMOKE DENSITY AND FLAME SPREAD.
 - PROVIDE EMERGENCY EXIT ILLUMINATION AND SIGNAGE AS REQUIRED BY PREVAILING LOCAL JURISDICTION, BUILDING CODE, NFPA, OR NFPA (CURRENT EDITION).
 - PROVIDE EMERGENCY EGRESS LIGHTING WHERE REQUIRED TO MAINTAIN CODE SPECIFIED ILLUMINATION.
 - PROVIDE EGRESS ILLUMINATION ON BACKUP POWER AT REQUIRED EXIT AREAS. GENERAL POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED BY THE PREMISES' ELECTRICAL SUPPLY. THE LIGHTING LEVEL SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE LEVEL REQUIRED IN, BUT NOT LIMITED TO, LANDINGS AT EXTERIOR EXIT DOORS.
 - PROVIDE TACTILE EXIT SIGNAGE AT EACH EXIT DOOR TO AN EGRESS STAIRWAY, EXIT PASSAGEWAY, AND EXIT DISCHARGE AS REQUIRED BY CODE. COORDINATE ALL ELECTRICAL WORK, INCLUDING EXIT SIGNS AND EMERGENCY LIGHTING WITH ELECTRICAL ENGINEER.

- LIFE SAFETY LEGEND:**
- EXIT SIGN
 - FIRE EXTINGUISHER CABINET
 - FIRE ALARM CONTROL PANEL
 - KNOX BOX
 - OCCUPANCY LOAD

KEYNOTES:

KEYNOTE LEGEND	
Key Value	Keynote Text
10 44 13 B2	Semi-Recessed Fire Extinguisher Cabinet Coordinate With Fire Marshal

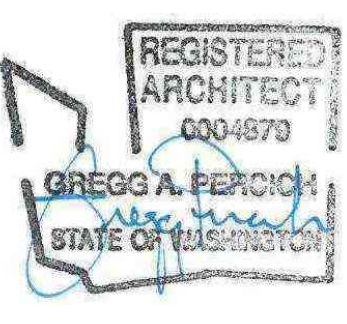


City of Kirkland
Reviewed by R Braun
11/10/2016

WA. CENTER FOR PAIN MGMT.

KIRKLAND CLINIC
13126 120TH AVENUE
NORTHEAST
KIRKLAND, WASHINGTON

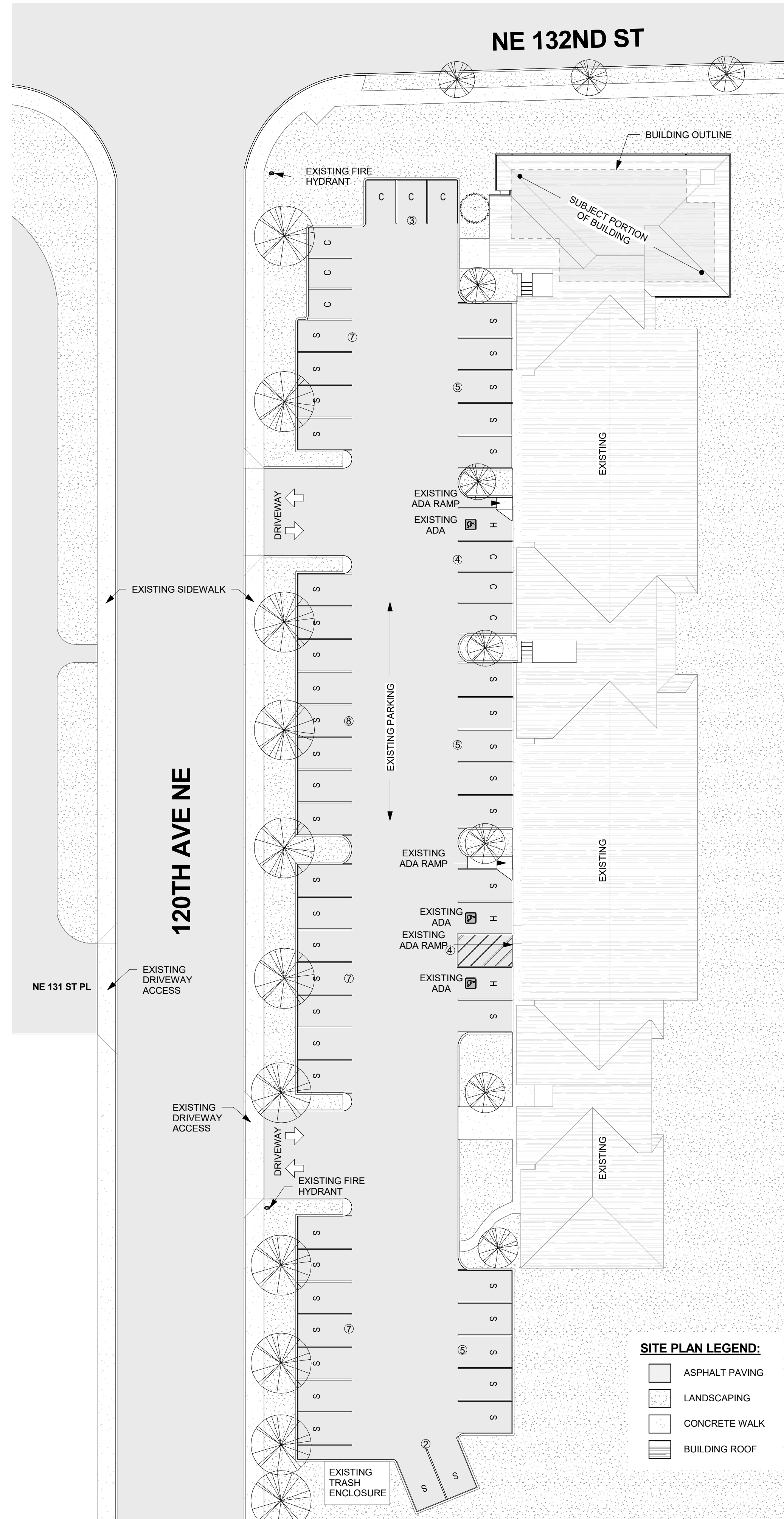
DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL



PROJECT NO.: 15174.02
PROJECT MGR.: TSB
DRAWN BY: TP
CHECKED BY: GAP

EGRESS & LIFE SAFETY PLANS

G0.02



- SITE PLAN LEGEND:**
- ASPHALT PAVING
 - LANDSCAPING
 - CONCRETE WALK
 - BUILDING ROOF

1 EXISTING SITE PLAN
1" = 20'-0"
PROJECT NORTH

FOR REFERENCE ONLY

SHEET NOTES: THIS SHEET FOR REFERENCE ONLY

PARKING LEGEND:

S - STANDARD	-	44
C - COMPACT	-	9
H - HANDICAP ACCESSIBLE	-	2
V - VAN ACCESSIBLE	-	1
TOTAL EXISTING PARKING SPACES	-	56

SITE STATISTICS

SITE AREA -	1.6 ACRES
ZONE -	MS - MEDICAL SERVICES



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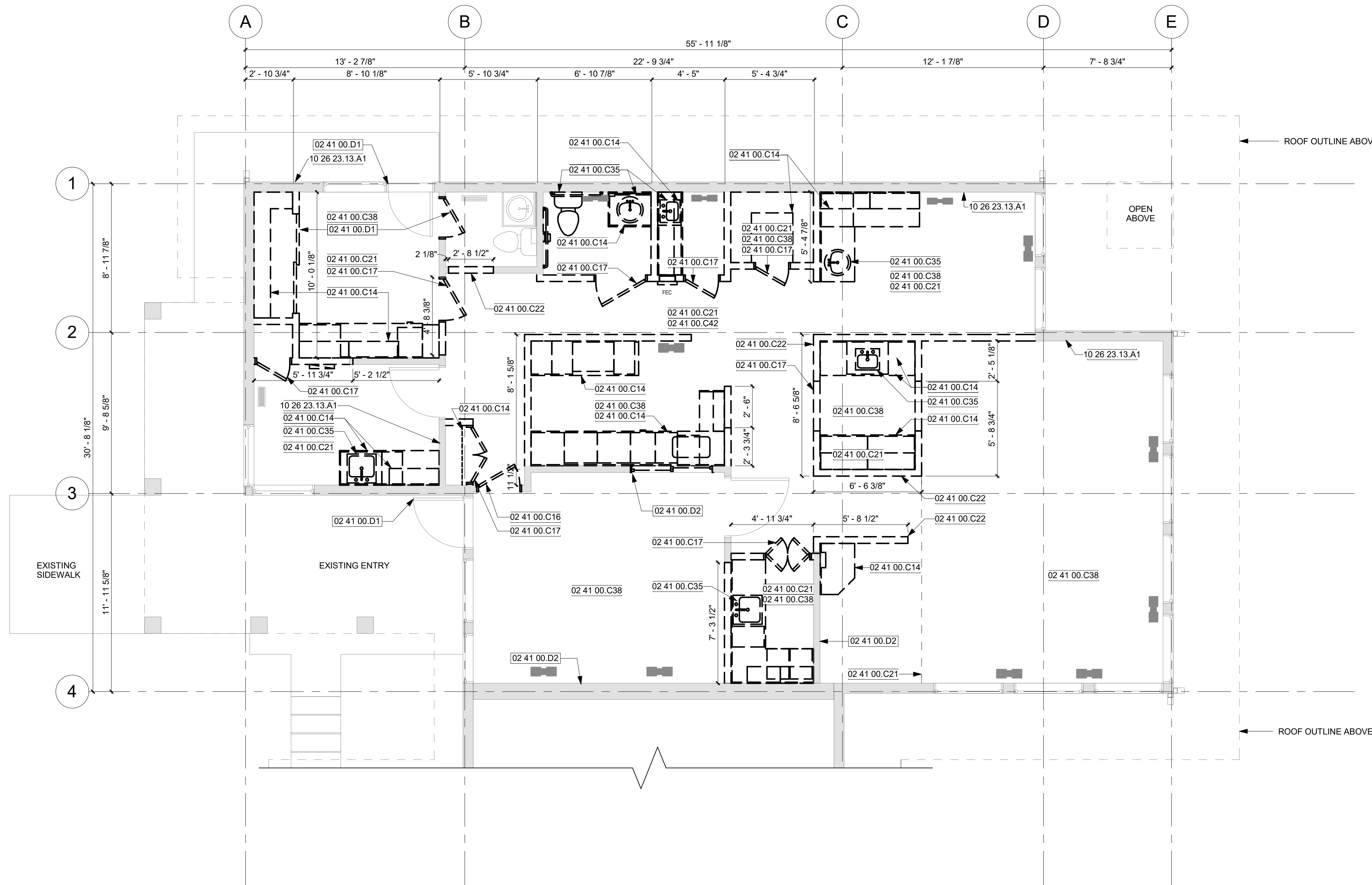
KIRKLAND CLINIC
13126 120TH AVENUE
NORTHEAST
KIRKLAND, WASHINGTON

DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL



PROJECT NO.: 15174.02
PROJECT MGR.: TSB
DRAWN BY: TP
CHECKED BY: GAP

SITE PLAN
A1.00
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1 DEMOLITION FLOOR PLAN
1/4" = 1'-0"
PROJECT NORTH

SHEET NOTES:

1. ALL INFORMATION SHOWN ON THE DRAWINGS IS RELATIVE AND DOES NOT GUARANTEE ACCURACY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
2. COMPLY WITH ALL RULES AND REGULATIONS OF THE GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER DEMOLITION WORK.
3. INCLUDE COMPLETE REMOVAL AND DISPOSAL OF DEMOLISHED ITEMS. SALVAGE ITEMS WHERE APPROPRIATE. COORDINATED PICKUP OR STORAGE WITH OWNER.
4. COORDINATE WITH OWNER FOR SHUT-OFF, CAPPING, AND CONTINUATION OF UTILITY SERVICE AS REQUIRED.
5. PROVIDE DEMOLITION TO THE EXTENT REQUIRED TO ACCOMPLISH NEW CONSTRUCTION. REFER TO ARCHITECTURAL (AND CONSULTANT, IF APPLICABLE) DRAWINGS.
6. REMOVE THE FOLLOWING WITHIN AREA OF MAJOR WORK, U.N.O.: EXISTING FLOORING, SUSPENDED CEILING SYSTEM, RUBBER BASE, LIGHT FIXTURES, EQUIPMENT (SALVAGE FOR OWNER), AND WALL COVERING. SALVAGE CEILING TILES TO USE IN NEW CONSTRUCTION. SEE FINISH SCHEDULE. SALVAGE LIGHT FIXTURES TO USE IN NEW CONSTRUCTION.
7. PROTECT STRUCTURAL ELEMENTS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROVIDE SHORING/ BRACING AS NECESSARY TO MAINTAIN STRUCTURAL STABILITY DURING WORK. PROVIDE SHORING PLANS FOR REVIEW.
8. COORDINATE WITH OWNER TO HAVE ALL FURNITURE AND EQUIPMENT REMOVED FROM DEMOLITION AREAS PRIOR TO CONSTRUCTION START. U.N.O. REMOVE, REPLACE, AND RELOCATE EXISTING ELECTRICAL, MECHANICAL, AND FIRE PROTECTION EQUIPMENT/DEVICES AS REQUIRED FOR NEW CONSTRUCTION. AT LOCATIONS WHERE ELECTRICAL IS TO BE REMOVED, PULL OUT WIRING BACK TO PANEL. REFER TO CONSULTANT DRAWINGS WHEN APPLICABLE. COORDINATE WITH OWNER FOR STORAGE/DISPOSAL OF EXISTING LIGHT FIXTURES NOT TO BE RELOCATED.
9. REMOVE EXISTING ELECTRICAL CONDUIT, WIRE EQUIPMENT, AND DATA CABLING WHERE INDICATED BY DRAWINGS OR MADE NECESSARY BY NEW WORK.
10. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW CONSTRUCTION PRIOR TO PROCEEDING WITH THE WORK.
11. REMOVE EXISTING FINISHES AS REQUIRED FOR NEW BUILD OUT. PREPARE WALLS AS REQUIRED FOR INSTALLATION OF NEW FINISH TREATMENT. SEE ARCHITECTURAL FINISH SCHEDULE.
12. REMOVE EXISTING FLOOR FINISHES AND BASE AS REQUIRED FOR THE INSTALLATION OF NEW FINISHES. REFER TO ARCHITECTURAL FINISH SCHEDULE.

DEMOLITION PLAN LEGEND:

- (HALF TONE) EXISTING TO REMAIN
- (DASHED LINE) TO BE DEMOLISHED

KEYNOTES:

Key Value	Keynote Text
02 41 00.C14	Casework To Be Removed
02 41 00.C16	Door To Be Removed
02 41 00.C17	Door And Frame To Be Removed
02 41 00.C21	Ceiling To Be Removed
02 41 00.C22	Wall To Be Removed
02 41 00.C35	Fixtures To Be Removed
02 41 00.C38	Finish Floor To Be Removed
02 41 00.C42	Vinyl Flooring To Be Removed
02 41 00.D1	Door And Frame To Remain, Protect
02 41 00.D2	Wall To Remain, Protect, Patch, and Paint
10 26 23.13.A1	Acrovyn Wall Covering Per Finish Schedule
10 28 00.A1	Paper Towel Dispenser
10 28 00.A20	2'-0" X 3'-0" Mirror



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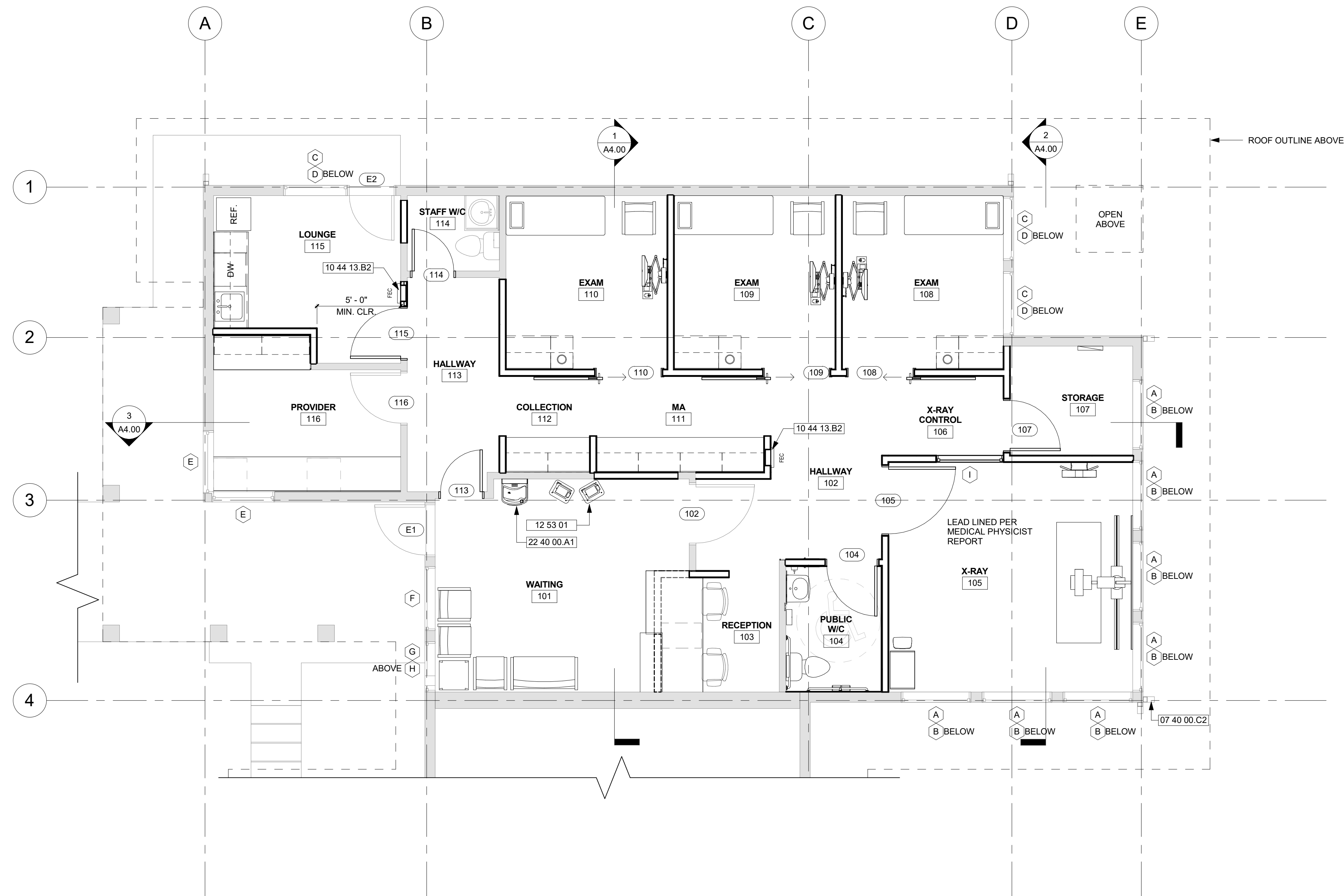
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DEMOLITION FLOOR
PLAN

A2.00



1 BUILDING FLOOR PLAN
1/4" = 1'-0"
PROJECT NORTH

SHEET NOTES:

RENOVATION NOTES:

1. FIELD VERIFY CONDITIONS BEFORE COMMENCING WORK.
2. FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01.
3. FILL ALL SCRATCHES, DENTS, CRACKS, HOLES, OPENINGS, IRREGULARITIES, AND/OR DEFECTS IN BOTH EXISTING AND NEW WALL SURFACES WITH PLASTER PATCH, SPACKLING, JOINT COMPOUND, OR OTHER PRESCRIBED MATERIALS IN AN INDUSTRY APPROVED MANNER TO PROVIDE A UNIFORM FINISHED WALL SURFACE TO MATCH EXISTING CONDITIONS. CLEAN AND SAND SMOOTH ALL SURFACES BEFORE APPLYING FINISH MATERIAL.
4. REFER TO SHEET A7.00 FOR ACCESSIBILITY STANDARDS.
5. REFER TO SHEET A7.03 FOR FENESTRATION INFORMATION.
6. REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING SIZE.
7. ALL DOORS ARE LOCATED 4" FROM WALL FINISH AT THE HINGE SIDE, UNLESS OTHERWISE NOTED.
8. LEVEL THE FLOOR SURFACE/SUBSTRATE WITH A LATEX UNDERLAYMENT SMOOTH AND FREE FROM CRACKS, HOLES, RIDGES, COATINGS PREVENTING ADHESIVE BOND AND OTHER DEFECTS IMPAIRING PERFORMANCE OR APPEARANCE. MAXIMUM ALLOWABLE SLOPE IS 1/4" IN 10'-0". FINISH SAND SMOOTH TO PROVIDE AN ADEQUATE SUBSTRATE FOR THE INSTALLATION OF THE SCHEDULED FLOORING MATERIAL.

PLAN LEGEND:

- (HALF TONE) EXISTING
- NEW NON-RATED

KEYNOTES:

KEYNOTE LEGEND

Key Value	Keynote Text
07 40 00.C2	3" x 4" Downspout
10 44 13.B2	Semi-Recessed Fire Extinguisher Cabinet Coordinate With Fire Marshal
12 53 01	Freestanding Information Kiosk
22 40 00.A1	Drinking Fountain



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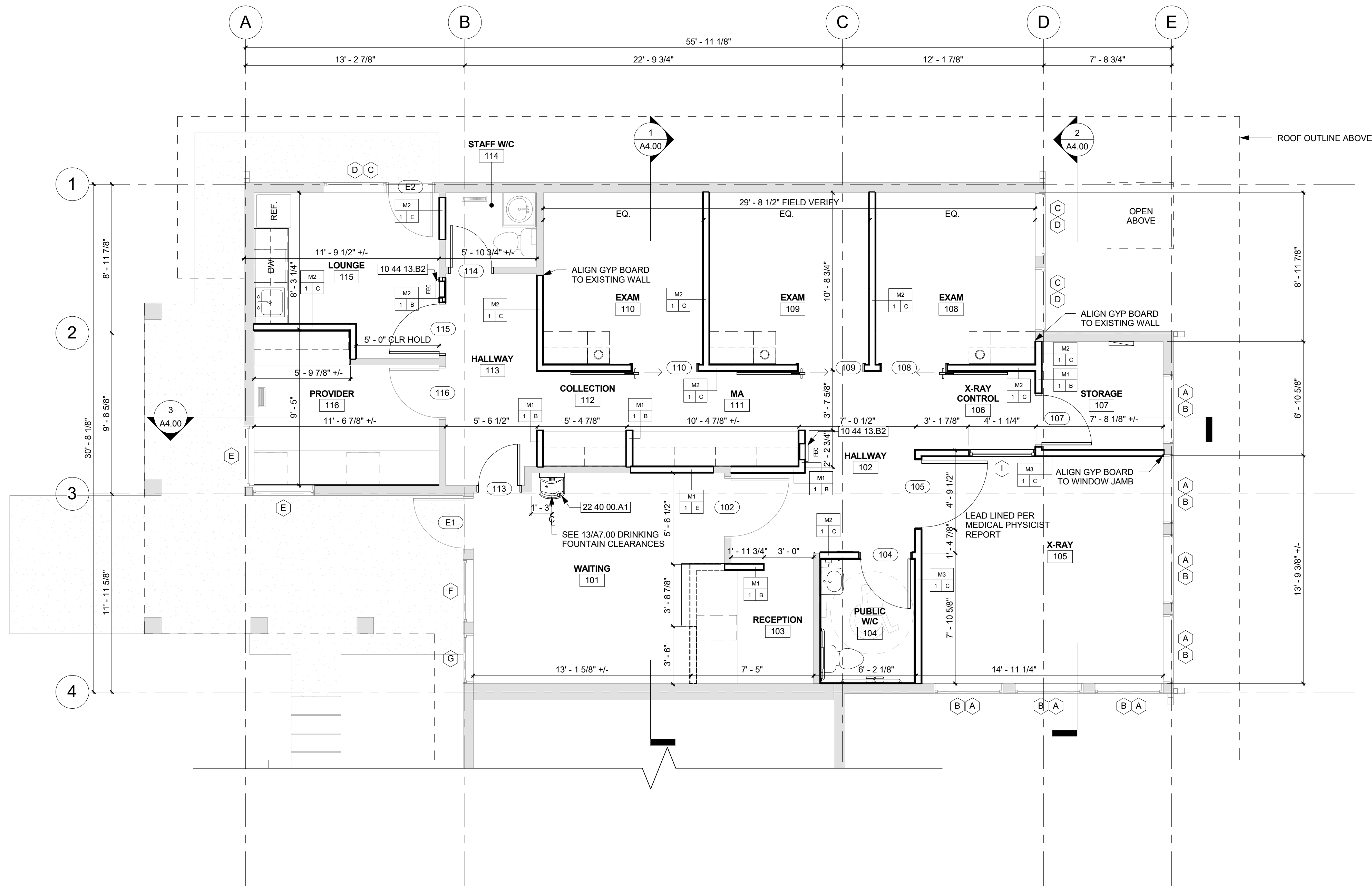
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BUILDING FLOOR PLAN

A2.01



1 BUILDING FRAMING PLAN
 1/4" = 1'-0"
 PROJECT NORTH

SHEET NOTES:

RENOVATION NOTES:

1. FIELD VERIFY CONDITIONS BEFORE COMMENCING WORK.
2. FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01.
3. FILL ALL SCRATCHES, DENTS, CRACKS, HOLES, OPENINGS, IRREGULARITIES, AND/OR DEFECTS IN BOTH EXISTING AND NEW WALL SURFACES WITH PLASTER PATCH, SPACKLING, JOINT COMPOUND, OR OTHER PRESCRIBED MATERIALS IN AN INDUSTRY APPROVED MANNER TO PROVIDE A UNIFORM FINISHED WALL SURFACE TO MATCH EXISTING CONDITIONS. CLEAN AND SAND SMOOTH ALL SURFACES BEFORE APPLYING FINISH MATERIAL. REFER TO SHEET A7.00 FOR ACCESSIBILITY STANDARDS.
4. REFER TO SHEET A7.03 FOR FENESTRATION INFORMATION.
5. REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING SIZE.
6. ALL DOORS ARE LOCATED 4" FROM WALL FINISH AT THE HINGE SIDE, UNLESS OTHERWISE NOTED.
7. LEVEL THE FLOOR SURFACE/SUBSTRATE WITH A LATEX UNDERLAYMENT SMOOTH AND FREE FROM CRACKS, HOLES, RIDGES, COATINGS PREVENTING ADHESIVE BOND AND OTHER DEFECTS IMPAIRING PERFORMANCE OR APPEARANCE. MAXIMUM ALLOWABLE SLOPE IS 1/4" IN 10'-0". FINISH SAND SMOOTH TO PROVIDE AN ADEQUATE SUBSTRATE FOR THE INSTALLATION OF THE SCHEDULED FLOORING MATERIAL.

PLAN LEGEND:

- (HALF TONE) EXISTING
- NEW NON-RATED

JIM
 JACKSON | MAIN
 ARCHITECTURE
 311 FIRST AVENUE SOUTH
 SEATTLE WA 98104
 1206.324.4800
 WWW.JACKSONMAIN.COM

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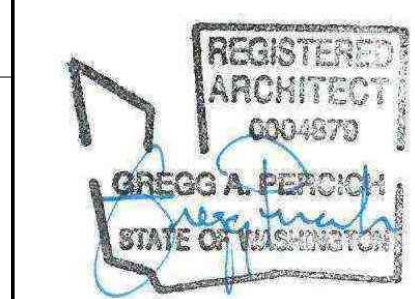
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KEYNOTES:

KEYNOTE LEGEND

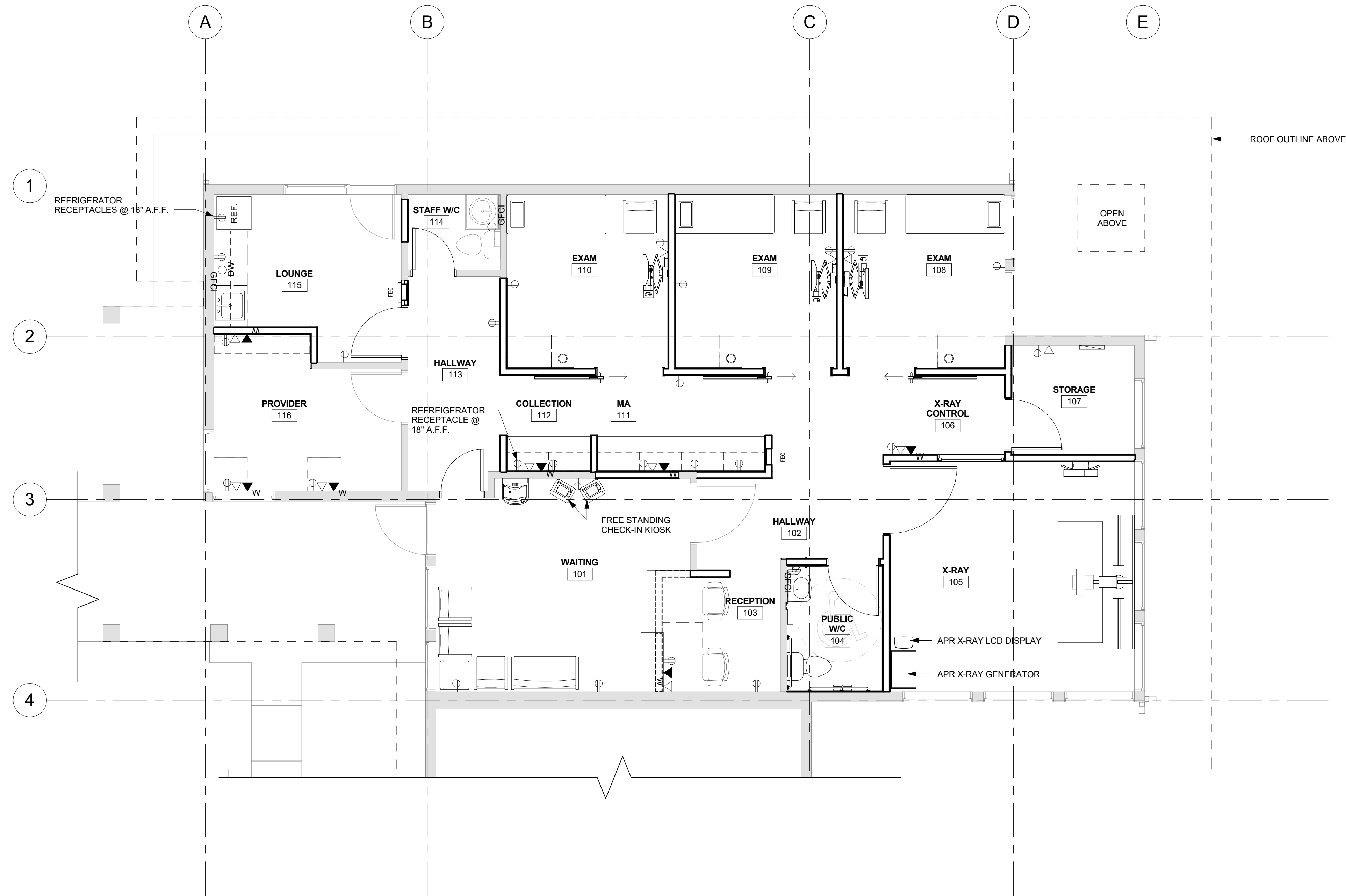
Key Value	Keynote Text
10 44 13.B2	Semi-Recessed Fire Extinguisher Cabinet Coordinate With Fire Marshal
22 40 00.A1	Drinking Fountain



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BUILDING FRAMING PLAN

A2.02



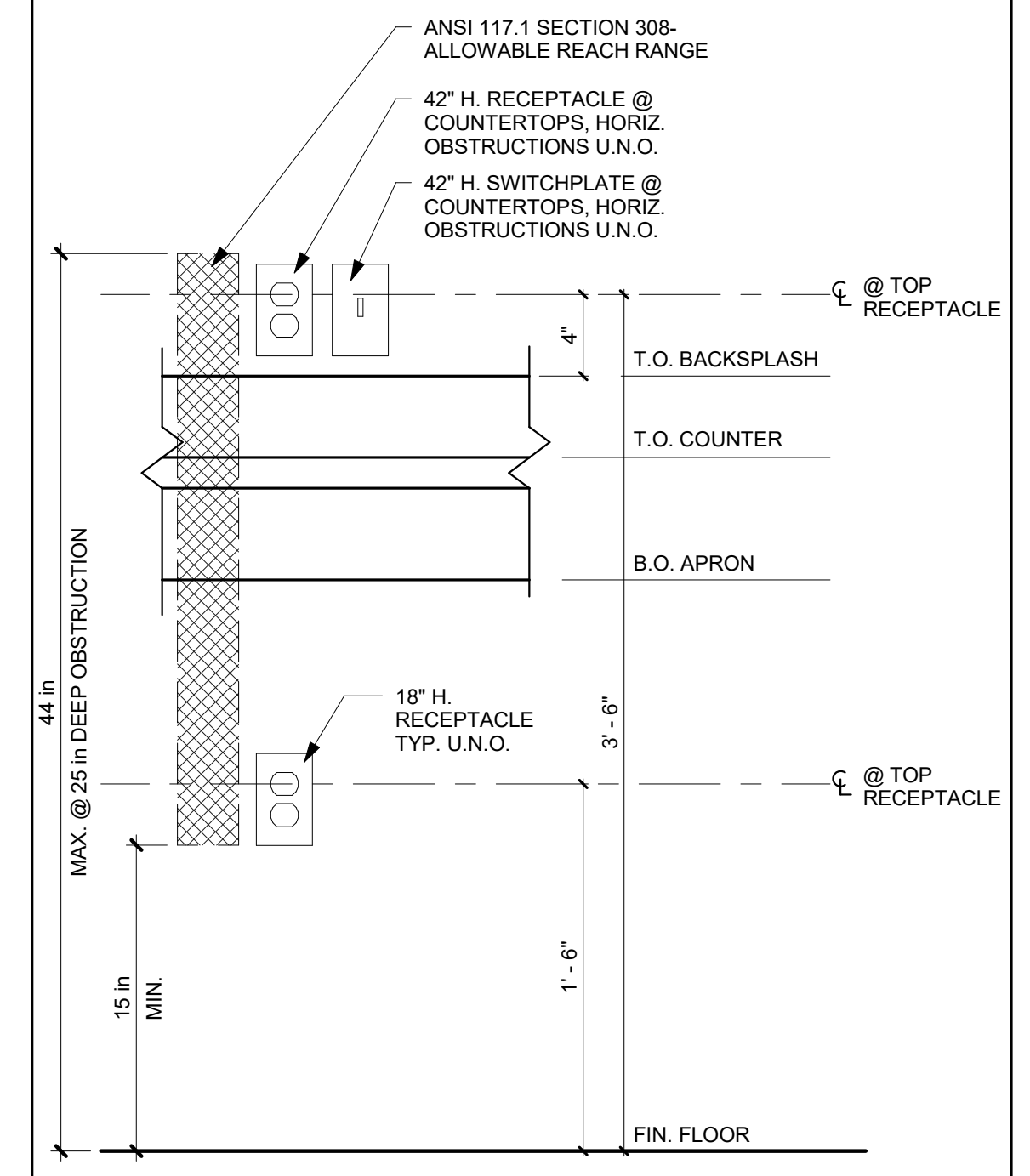
SHEET NOTES:

POWER AND COMMUNICATIONS NOTES:

1. THIS SHEET IS FOR REFERENCE ONLY - REFER TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
2. ALL RECEPTACLES AND SWITCHES TO BE LOCATED WITHIN THE SPECIFIED REACH RANGES OF ANSI SECTION 308.
3. ALL RECEPTACLES SHALL BE LISTED AS "HOSPITAL GRADE" AND SO IDENTIFIED.
4. CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL EXISTING RECEPTACLES AND SWITCHES, AND REVIEW WITH OWNER'S REPRESENTATIVE.

POWER AND COMMUNICATIONS LEGEND:

- POWER RECEPTACLE
- GFCI RECEPTACLE
- DOUBLE POWER RECEPTACLE
- DATA
- TELEPHONE
- POWER PANEL



2 RECEPTACLE HEIGHTS
1/12" = 1'-0"

1 POWER & COMMUNICATIONS PLAN
1/4" = 1'-0"
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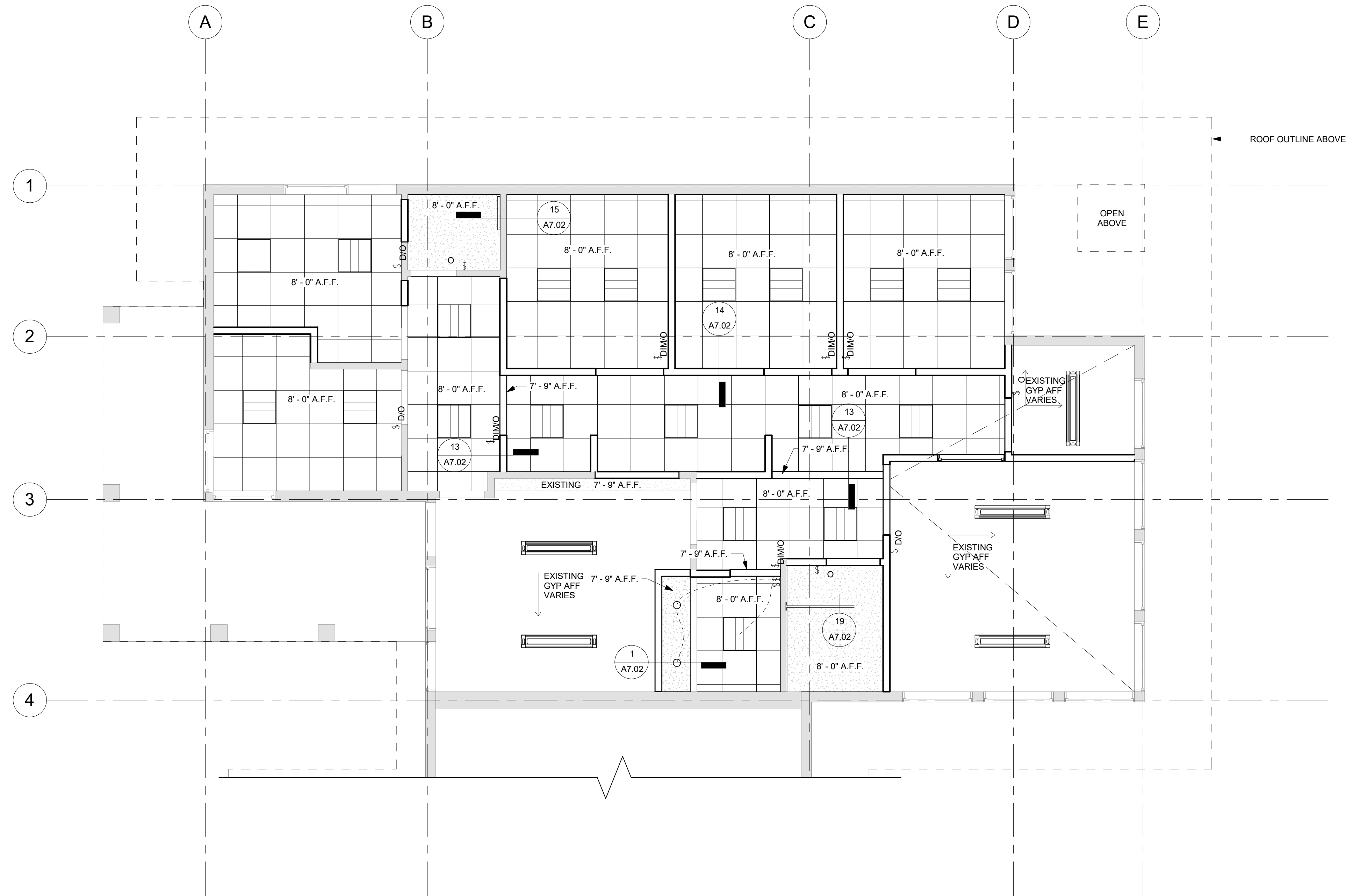
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POWER AND COMMUNICATIONS PLAN

A2.03



1 REFLECTED CEILING PLAN
1/4" = 1'-0"
PROJECT NORTH

SHEET NOTES:

REFLECTED CEILING PLAN NOTES:

- LIGHTING IS SHOWN FOR REFERENCE ONLY / DESIGN INTENT. COORDINATE LIGHTING LOCATIONS WITH MECHANICAL LAYOUT, REFERENCE ELECTRICAL DRAWINGS.
- EGRESS LIGHTING BY CONTRACTOR REFER TO ELECTRICAL DRAWINGS.
- THE MEANS OF EGRESS INCLUDING THE EXIT DISCHARGE SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING IS OCCUPIED PER IBC 1006.1
- THE BUILDING SHALL BE EQUIPPED WITH EMERGENCY LIGHTING AND IN THE EVENT OF A POWER FAILURE SHALL AUTOMATICALLY ILLUMINATE THE AREA OF THE EXIT DISCHARGE IMMEDIATELY ADJACENT TO THE DISCHARGE DOORS PER IBC 1006.3
- THE MEANS OF EGRESS INCLUDING THE EXIT DISCHARGE SHALL BE ILLUMINATED TO MINIMUM 1 FOOT-CANDLE AT ALL TIMES THE SPACE IS OCCUPIED BY PREMISES ELECTRICAL SUPPLY. IN EVENT OF A POWER FAILURE THE LIGHTS SHALL OPERATE FOR A MINIMUM OF 90 MINUTES. PROVIDE 90 MINUTES OF EMERGENCY LIGHTING AT ALL EXTERIOR DOORS VIA SEPARATE BATTERY OR UNIT EQUIPMENT.
- MAINTAIN 3" MIN. CLEARANCE BETWEEN CEILING FIXTURES AND INSULATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL ABOVE CEILING HANGER BARS, TRANSFORMERS, UNIT HEATERS AND OTHER NECESSARY ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION IN COMPLIANCE WITH BUILDING CODE.
- ALL LIGHT FIXTURES SHALL BE (IC-RATED) INSULATED CONTACT, UNLESS OTHERWISE REQUIRED BY BUILDING CODE, AND SHALL MAINTAIN REQUIRED FIRE RATING OF WALL/FLOOR/CEILING ASSEMBLY WHERE IT IS INSTALLED. RECESSED FIXTURES TO HAVE A LENS WHERE REQUIRED BY BUILDING CODE.
- ALL WALLS EXTEND TO UNDERSIDE OF STRUCTURE, UNLESS OTHERWISE NOTED.
- PRIOR TO ORDERING OR INSTALLING, ALL EXITING SIGNAGE LOCATIONS AND QUANTITIES TO BE APPROVED BY LOCAL FIRE MARSHAL, VERIFY WITH ARCHITECT.
- PAINT ALL GYPSUM CEILINGS THROUGHOUT.
- CENTER LIGHT FIXTURES WITHIN ROOM, CORRIDOR, &/OR SOFFIT, UNLESS OTHERWISE NOTED WHERE DIMENSIONS ARE PROVIDED THEY ARE FROM FACE OF FINISH TO CENTERLINE OF FIXTURES UNLESS OTHERWISE NOTED. SOFFITS ARE DIMENSIONED FROM FACE OF FINISH TO FACE OF FINISH UNLESS OTHERWISE NOTED.

REFLECTED CEILING LEGEND:

- GWB CEILING
- 2x2 LAY-IN ACOUSTICAL CEILING SYSTEM
- 2x2 DIRECT/INDIRECT LED FIXTURE
- DADO HORIZONTAL
- DADO VERTICAL
- RECESSED CAN
- STRIP LIGHT
- 1x4 SUSPENDED DIRECT/INDIRECT LED FIXTURE
- LIGHT SWITCH
- OCCUPANCY SENSOR
- DAYLIGHT/OCCUPANCY SENSOR
- DIMMABLE LIGHT FIXTURE/OCCUPANCY SENSOR



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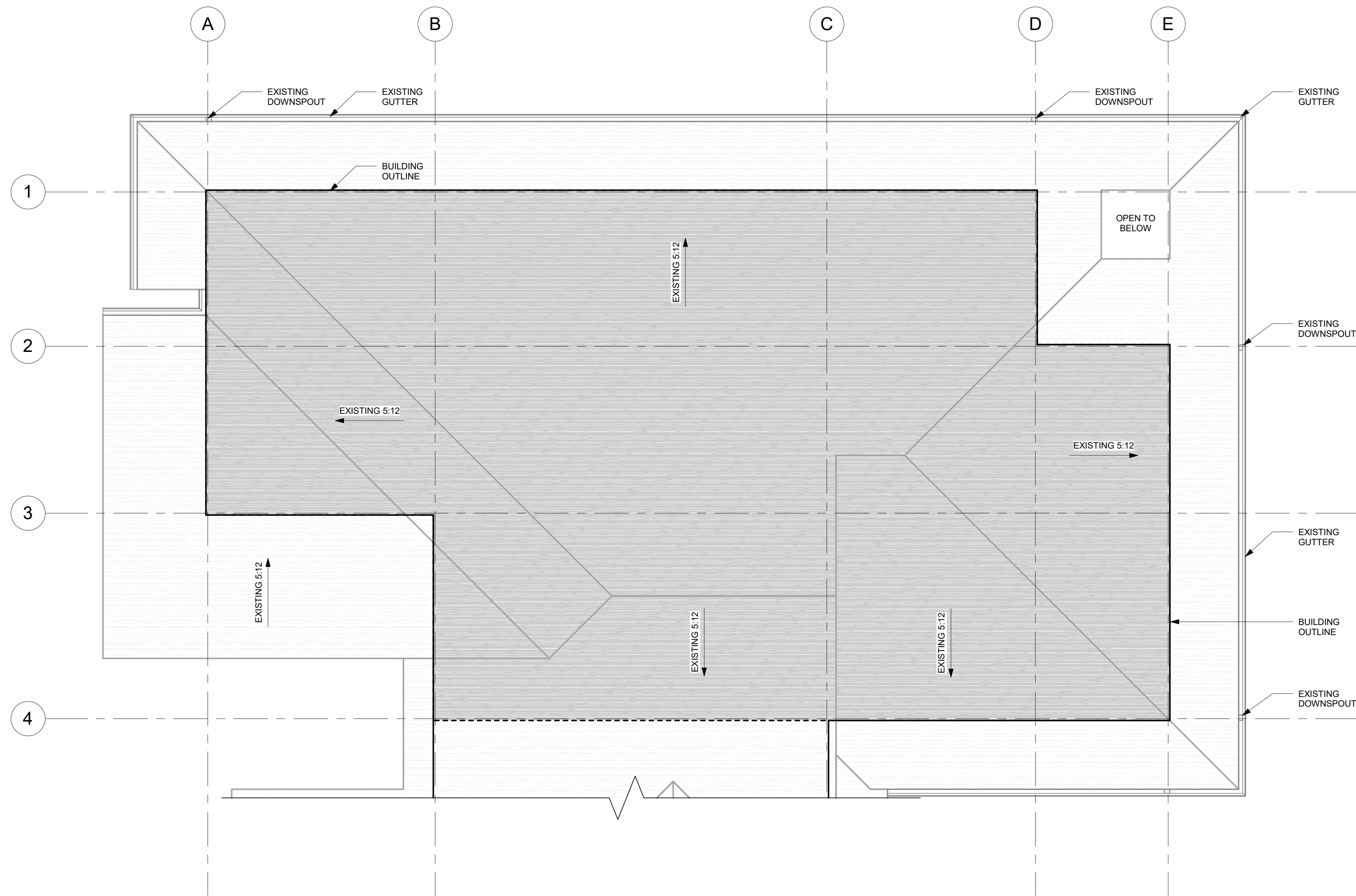
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REFLECTED CEILING
PLAN

A2.04



1 EXISTING BUILDING ROOF PLAN
 1/4" = 1'-0"
 PROJECT NORTH

NOTE:
 THIS ROOF PLAN IS FOR REFERENCE ONLY.
 FIELD VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION.

SHEET NOTES:

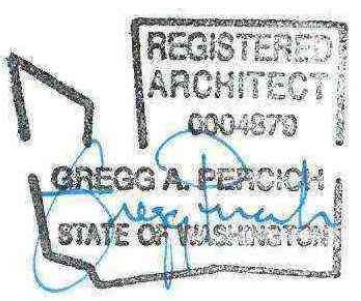


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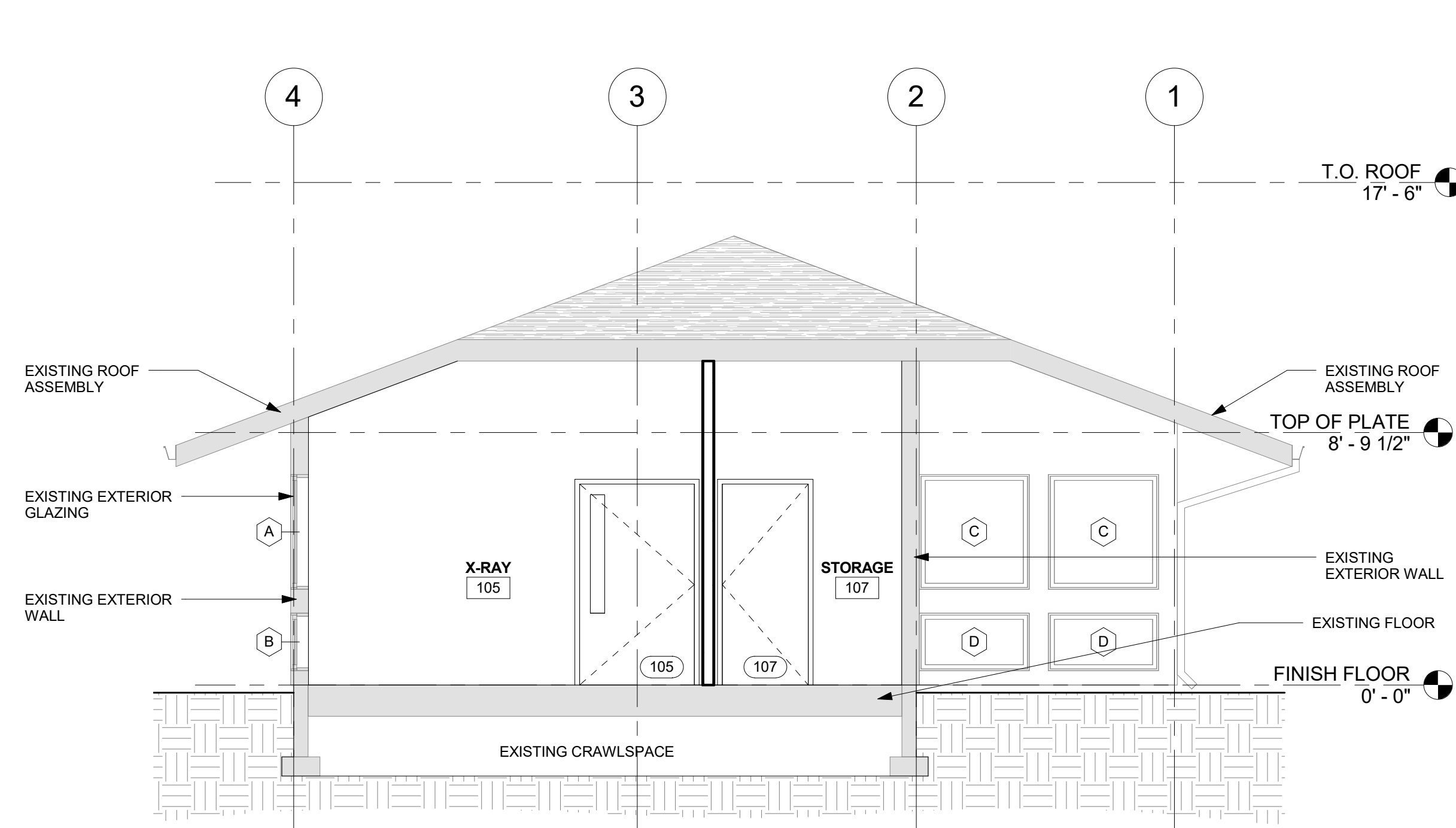
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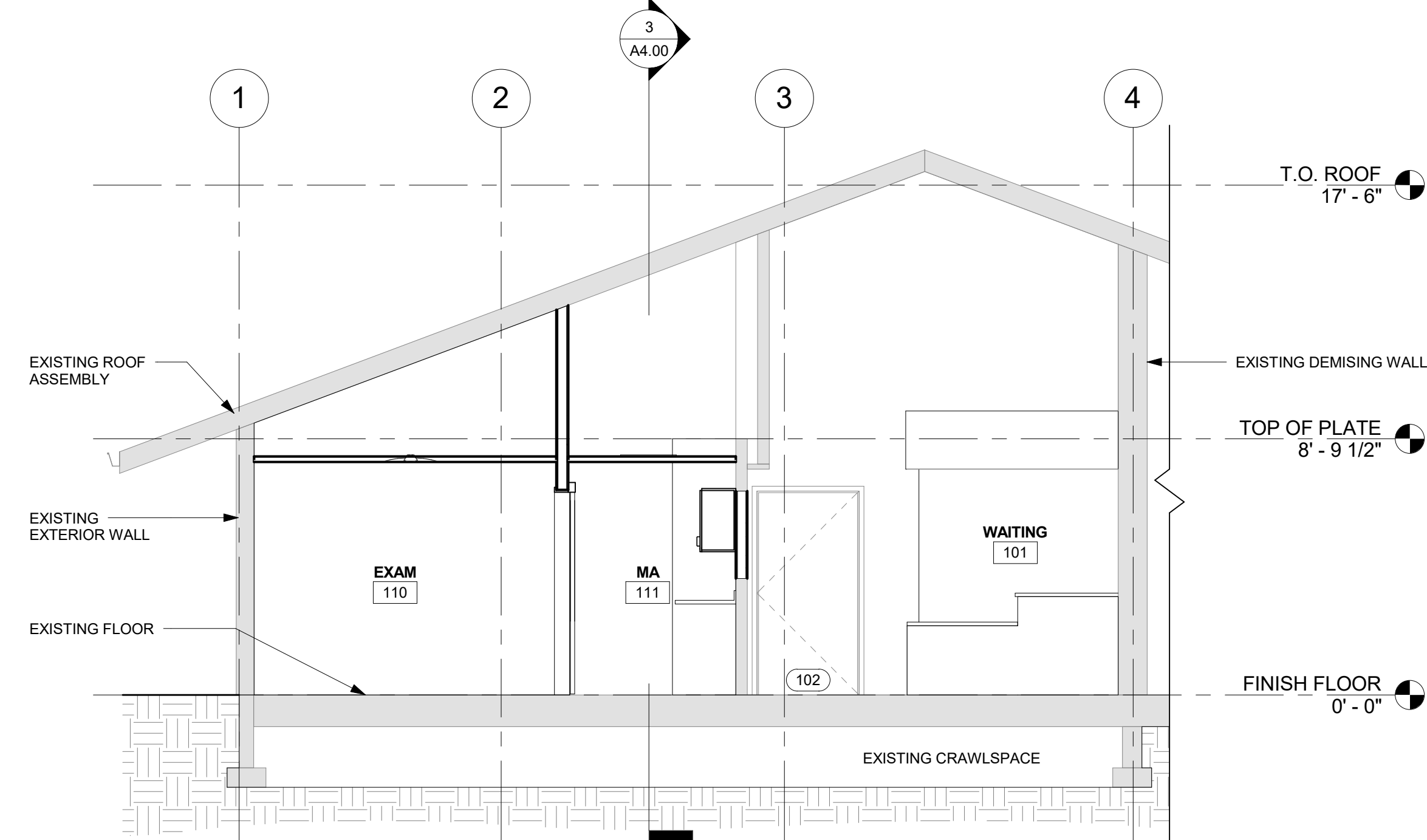
PROJECT NO.: 15174.02
 PROJECT MGR.: TSB
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EXISTING BUILDING
 ROOF PLAN

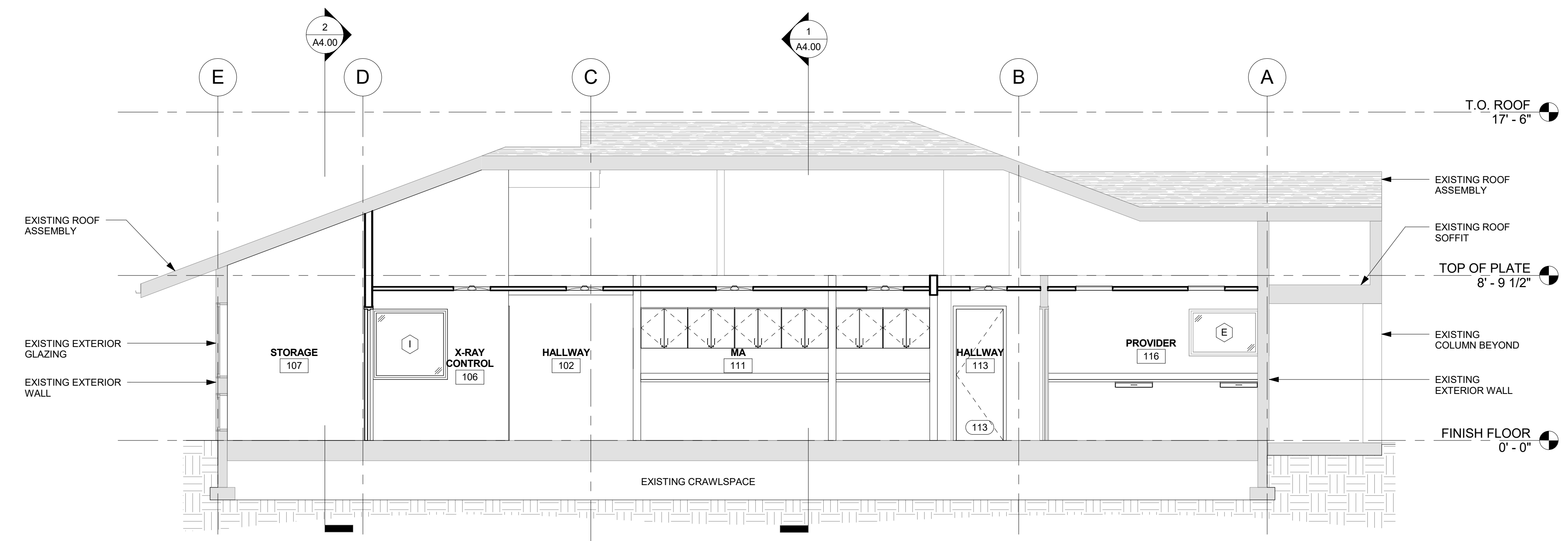
A2.05



2 SECTION B
1/4" = 1'-0"



1 SECTION A
1/4" = 1'-0"



3 SECTION C
1/4" = 1'-0"

SHEET NOTES:

SECTION NOTES:

1. FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01.
2. INSTALL ALL FINISHES PER MANUFACTURER'S INSTRUCTIONS.
3. ALL FLOORING MATERIAL TRANSITIONS BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS OTHERWISE NOTED.
4. PROVIDE AND INSTALL BLOCKING, BRACING AND STRAPPING AS REQUIRED FOR CABINETS, TOILET ACCESSORIES, HVAC, PLUMBING, ELECTRICAL AND ALL ADAPTABLE REQUIREMENTS INCLUDING BLOCKING FOR PLACEMENT OF ADA GRAB BARS AND ANY OTHER FIXTURES THAT REQUIRE SUPPORT BRACING.
5. FIELD VERIFY CONDITION OF CRAWLSPACE. PROVIDE ALLOWANCE TO INSTALL VAPOR BARRIER SYSTEM IF NEEDED.

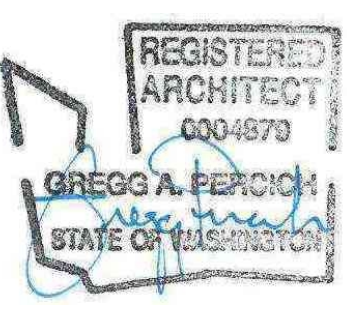


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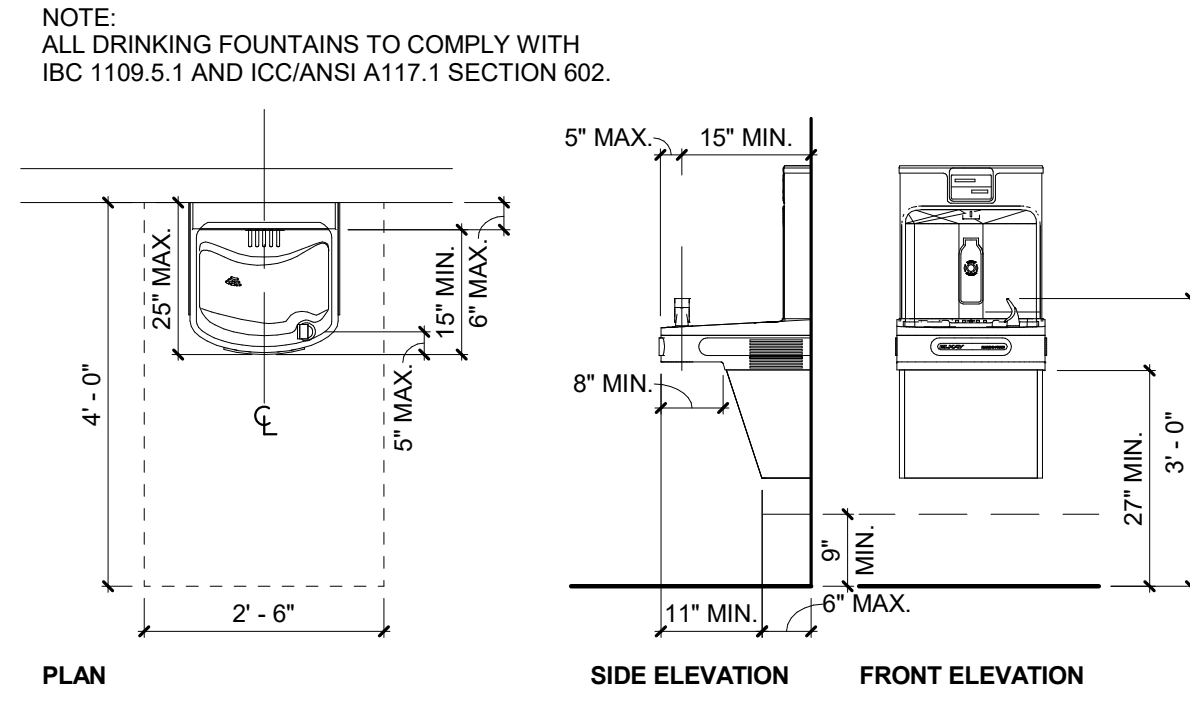
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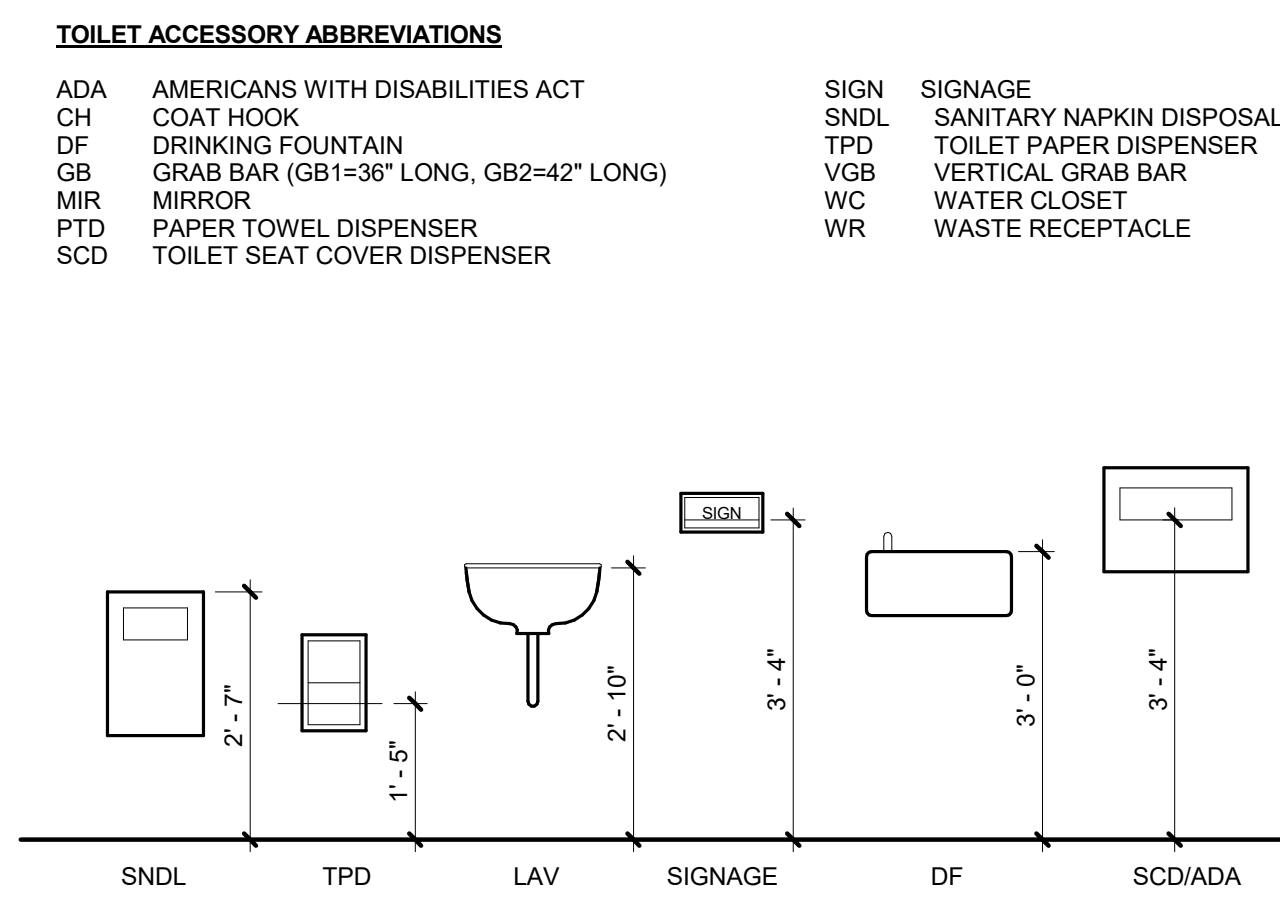


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BUILDING SECTIONS
A4.00
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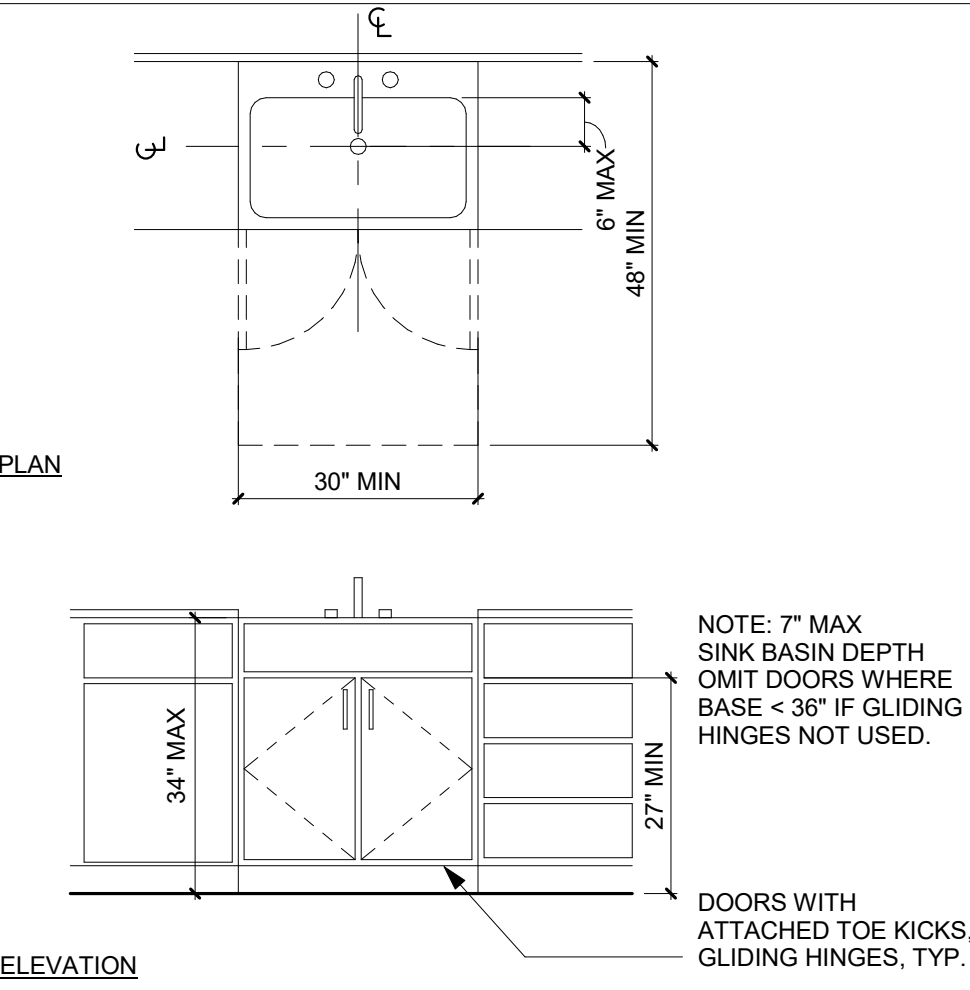


13 TYPICAL DRINKING FOUNTAIN CLEARANCES
1/2" = 1'-0"

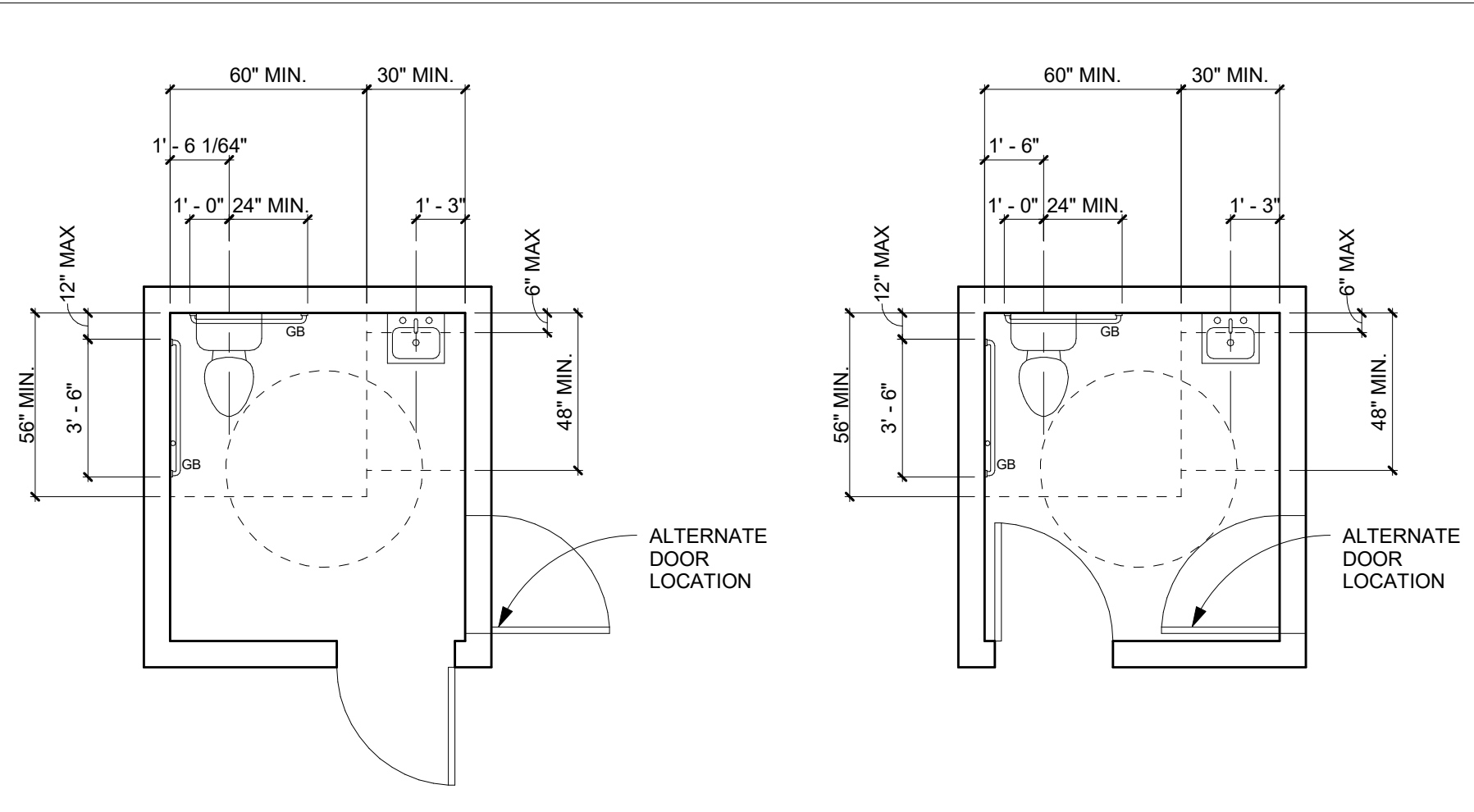


9 STANDARD MOUNTING HEIGHTS
1/2" = 1'-0"

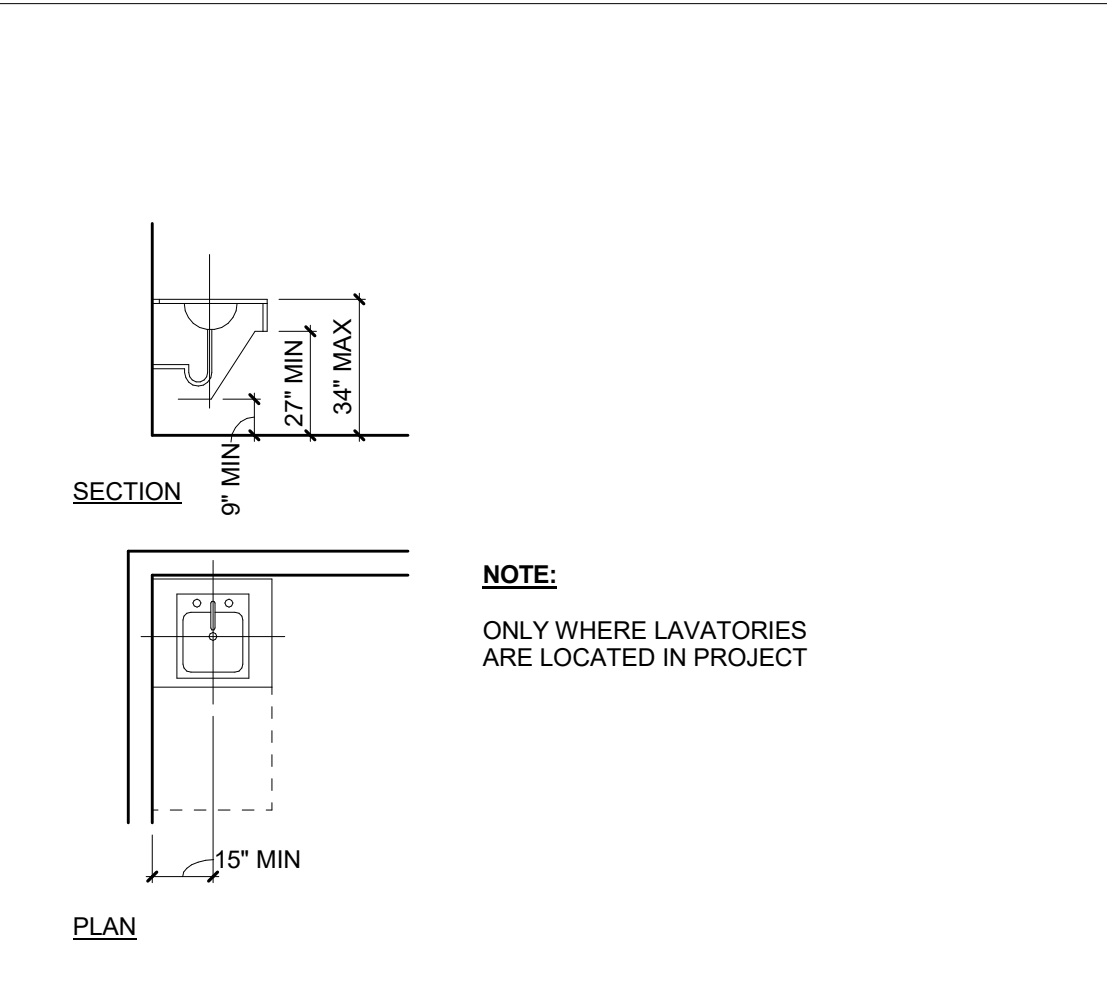
- NOTES:**
1. INSTALL BLKG. IN WALL AT ALL RECESSED AND SURFACE MOUNTED TOILET ACCESSORIES.
 2. FLOOR FINISH TO BE PER SCHEDULE AND SPECIFICATIONS.
 3. URINAL SCREEN NOT TO EXTEND BEYOND FRONT EDGE OF URINAL RIM.
 4. WATER SUPPLY AND DRAINPIPES SHALL BE INSULATED OR CONFIGURED TO PROTECT AGAINST CONTACT. NO SHARP OR ABRASIVE SURFACES UNDER LAVS. AND SINKS.
 5. TOILET FLUSH CONTROL HANDLES SHALL BE MOUNTED FOR USE FROM THE SIDE OF THE STALL AND NOT MORE THAN 44" A.F.F. PER ICC A117.1, SECTION 604.6
 6. SEAL ALL ACCESSORY FIXTURES WATER TIGHT PER IBC SECTION 1210.2 TYP. ALL SHOWERS SHALL COMPLY WITH ICC/ANSI A117.1 SECTION 608. ALL SHOWER FINISHES SHALL COMPLY WITH IBC 1210.3



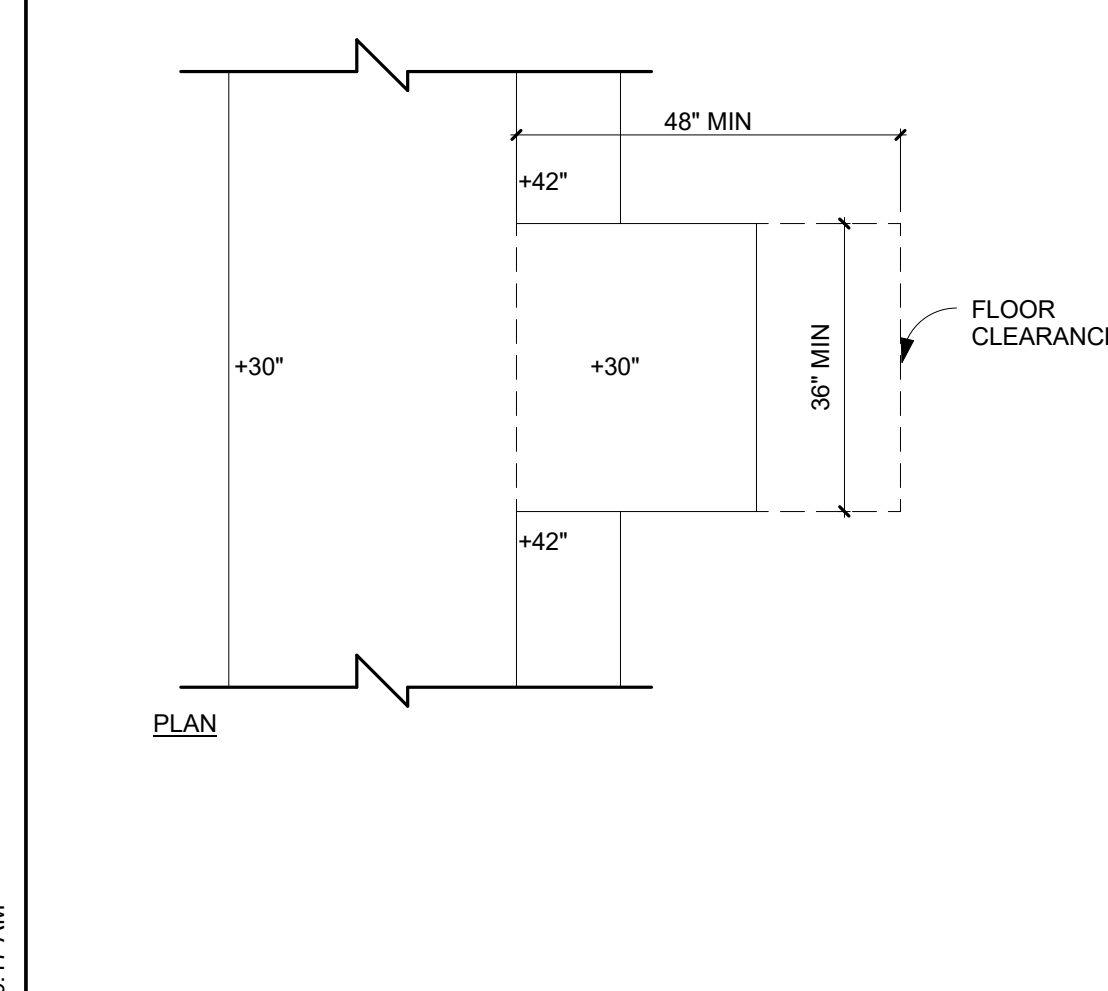
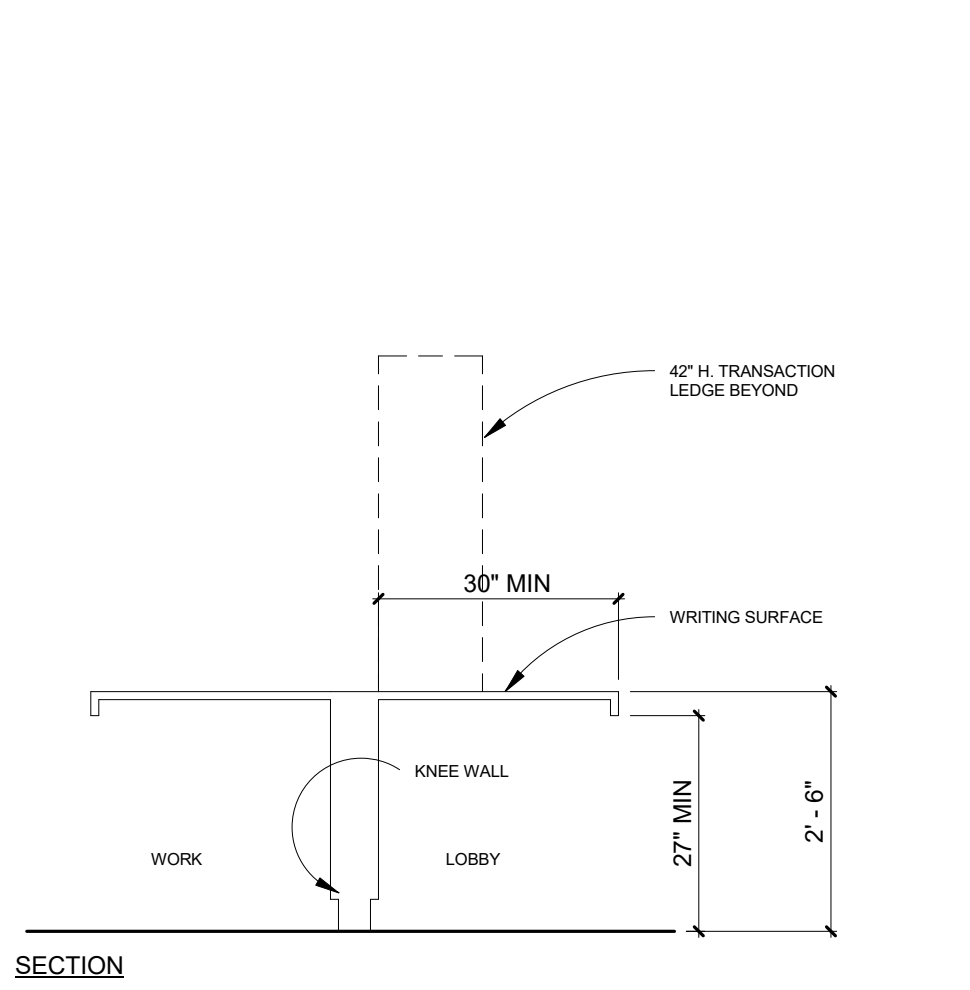
18 TYPICAL SINK BASE CLEARANCES
1/2" = 1'-0"



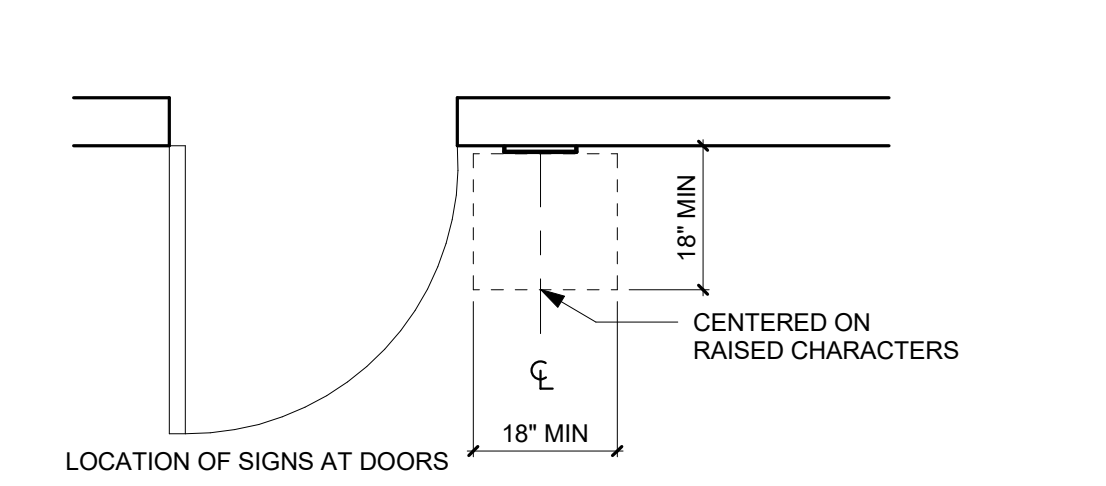
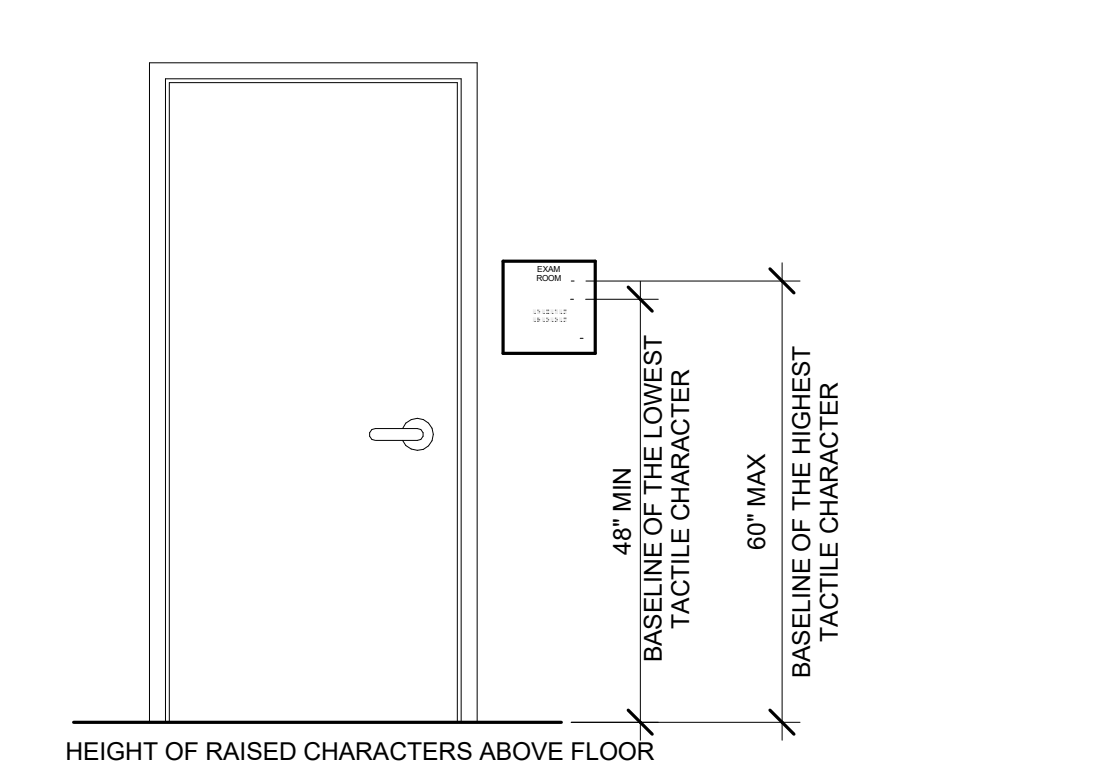
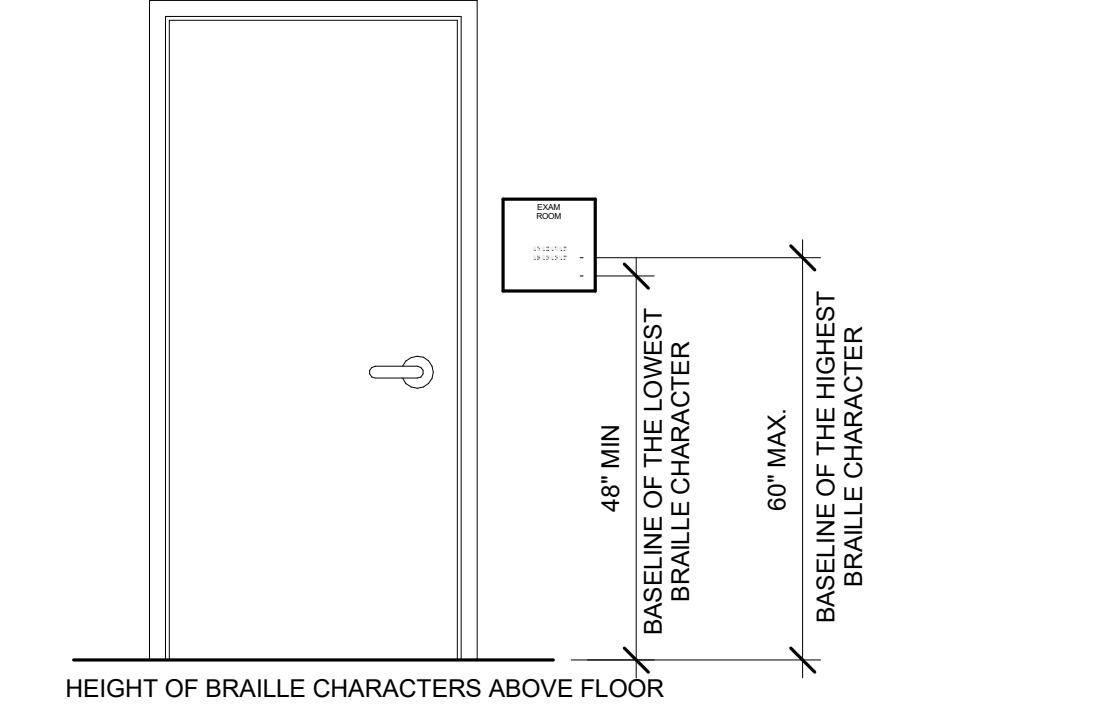
10 TYPICAL TOILET ROOM CLEARANCES
1/4" = 1'-0"



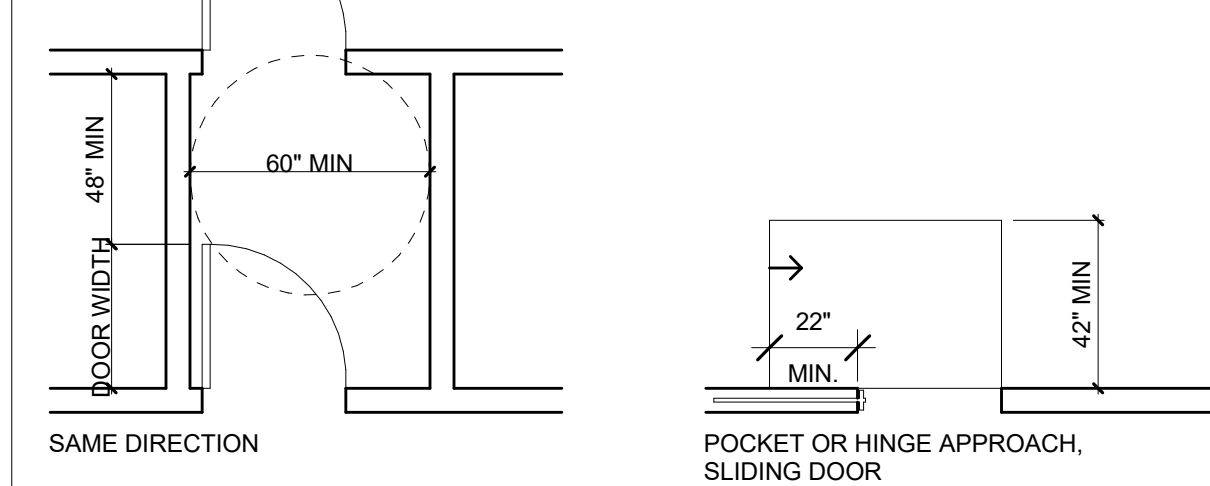
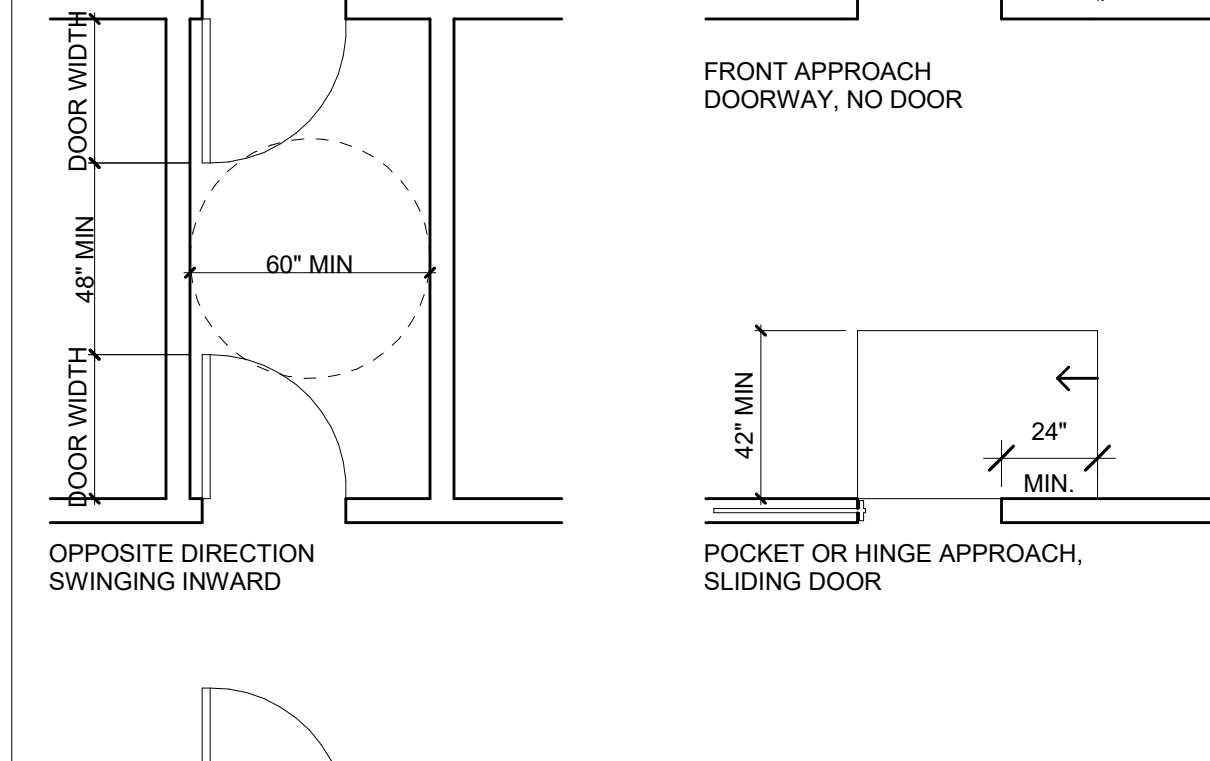
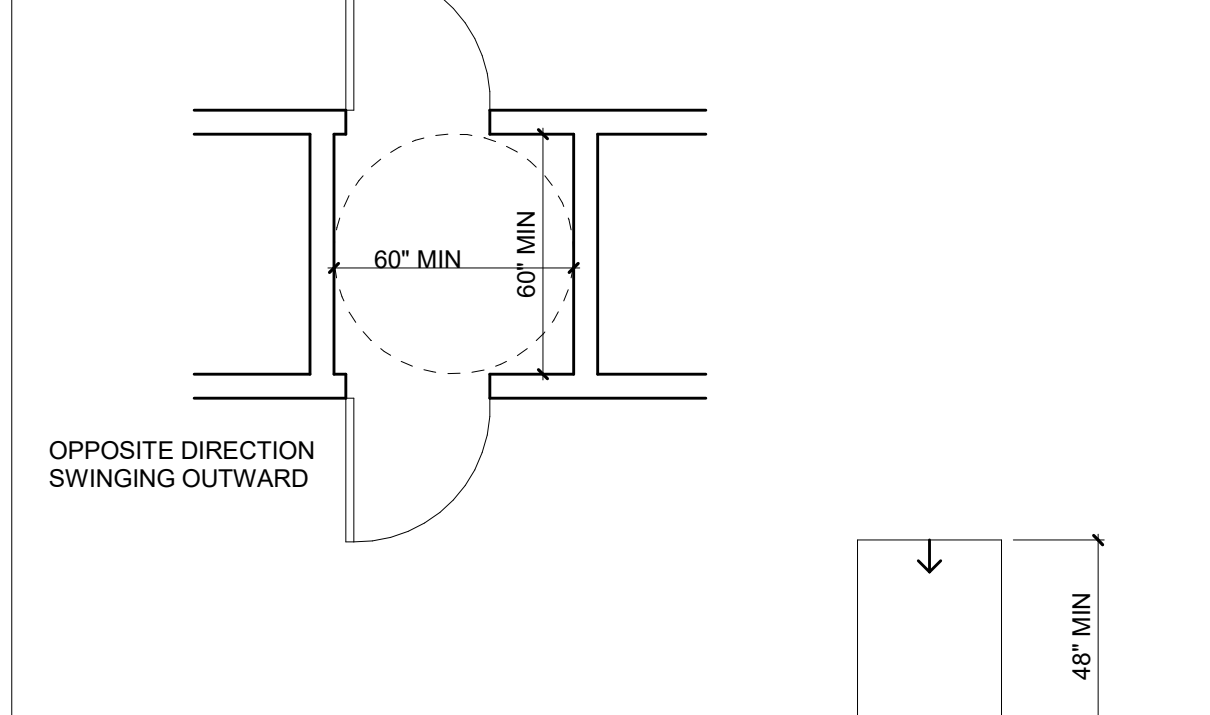
2 TYPICAL VANITY CLEARANCES
1/4" = 1'-0"



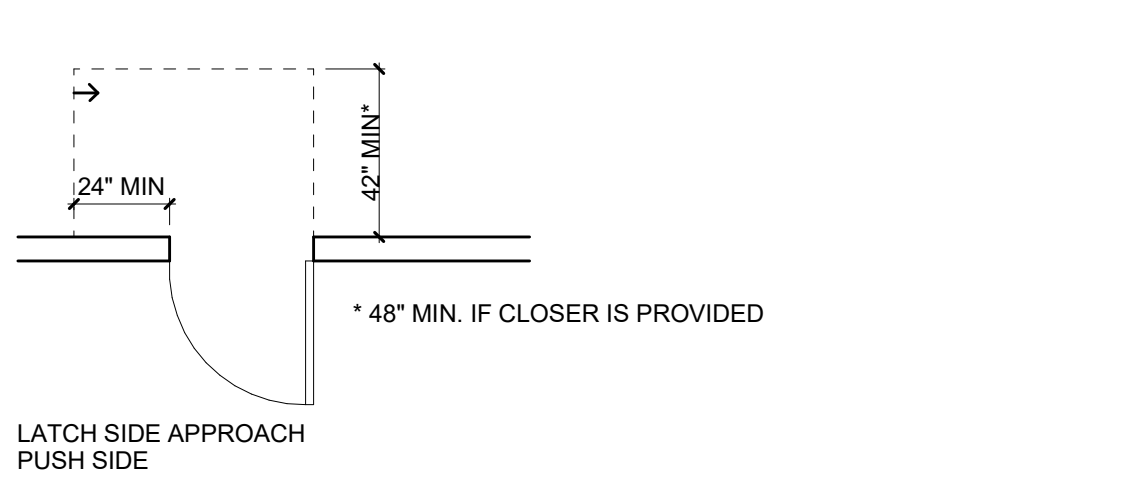
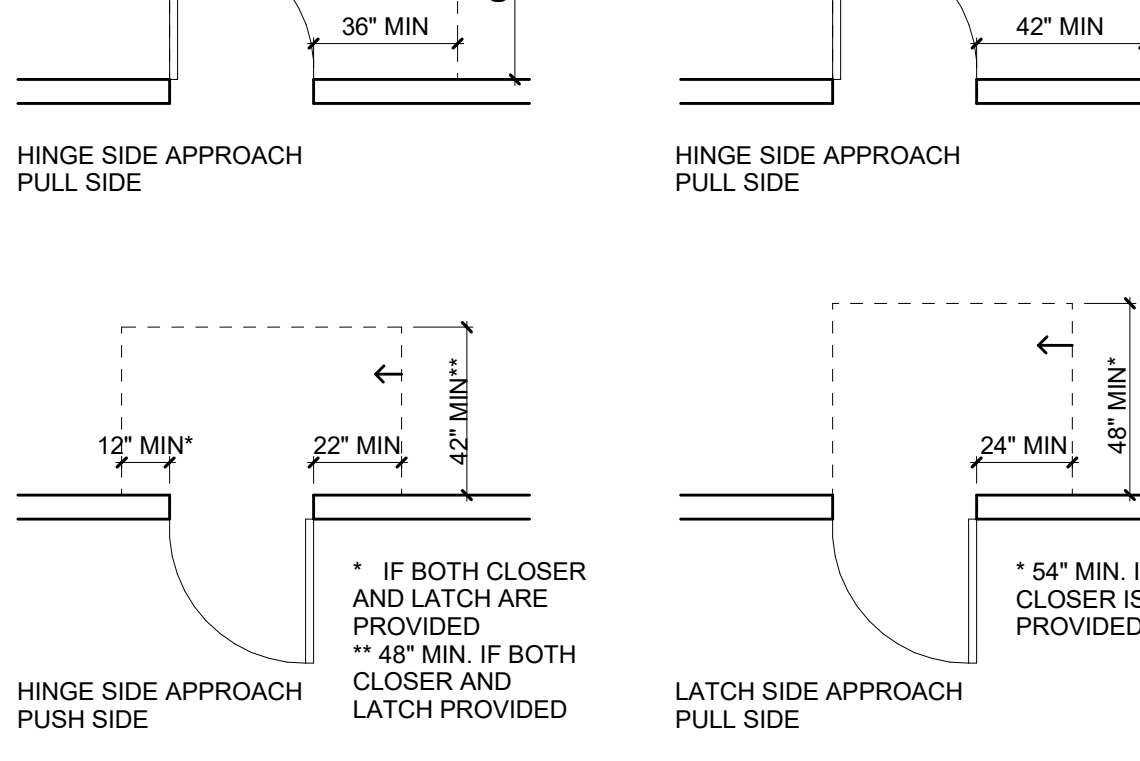
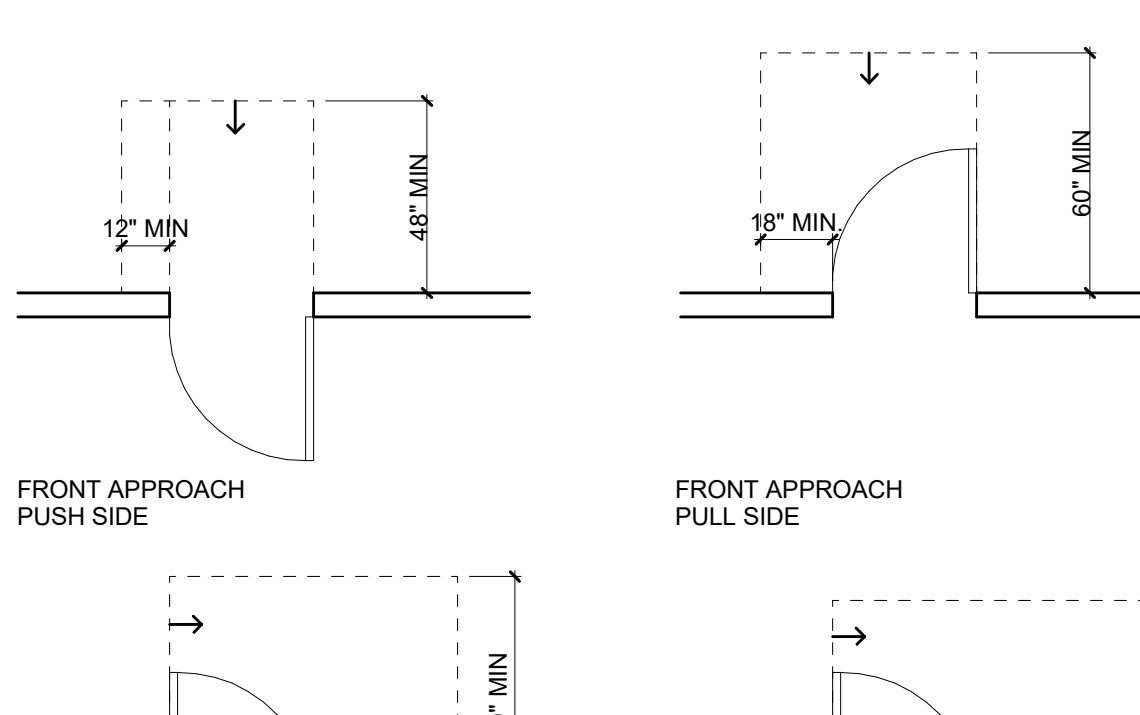
20 TYPICAL WRITING SURFACE
1/2" = 1'-0"



12 TYPICAL SIGN LOCATION
1/2" = 1'-0"



8 TYPICAL DOOR CLEARANCES
1/4" = 1'-0"



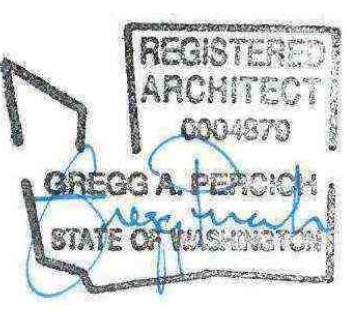
4 TYPICAL DOOR APPROACHES
1/4" = 1'-0"

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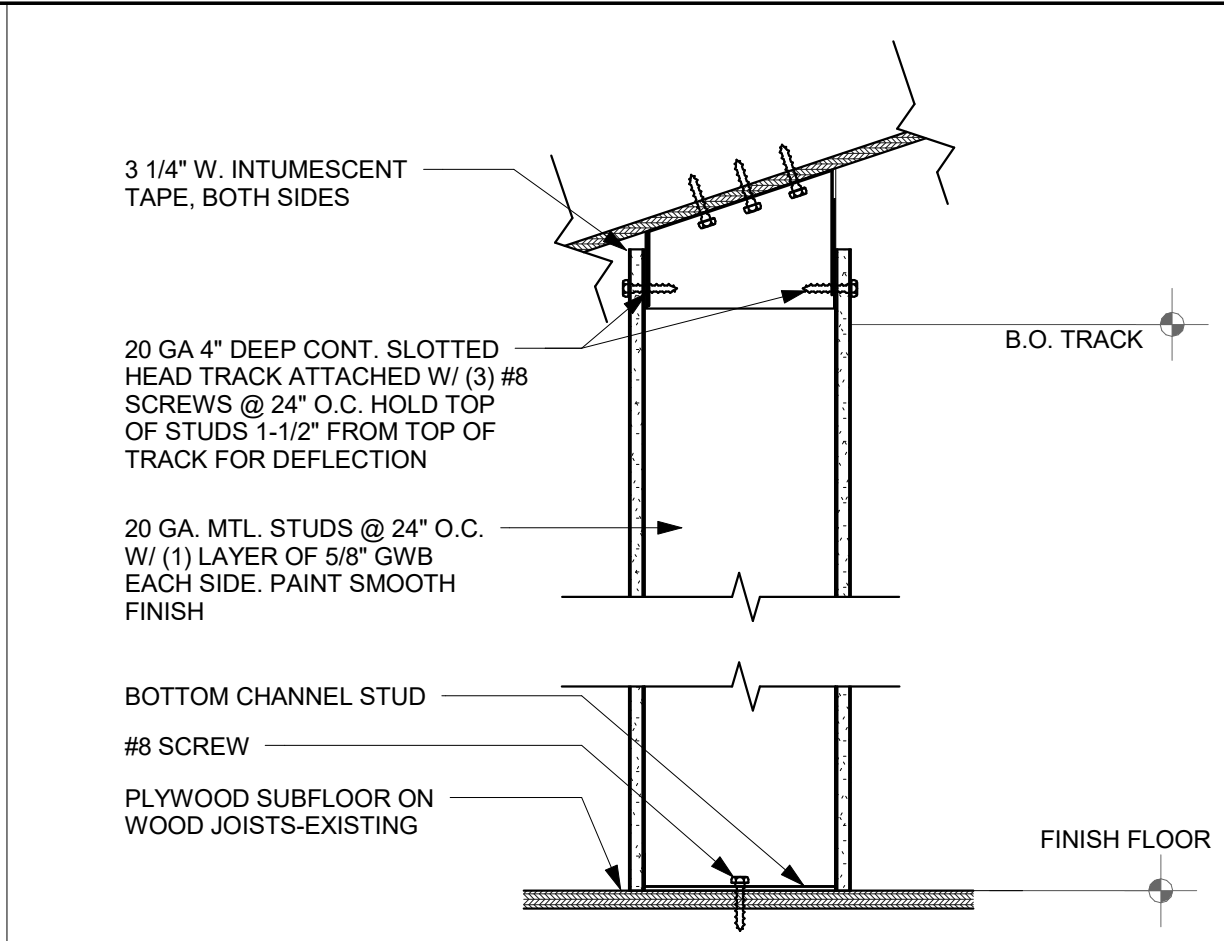
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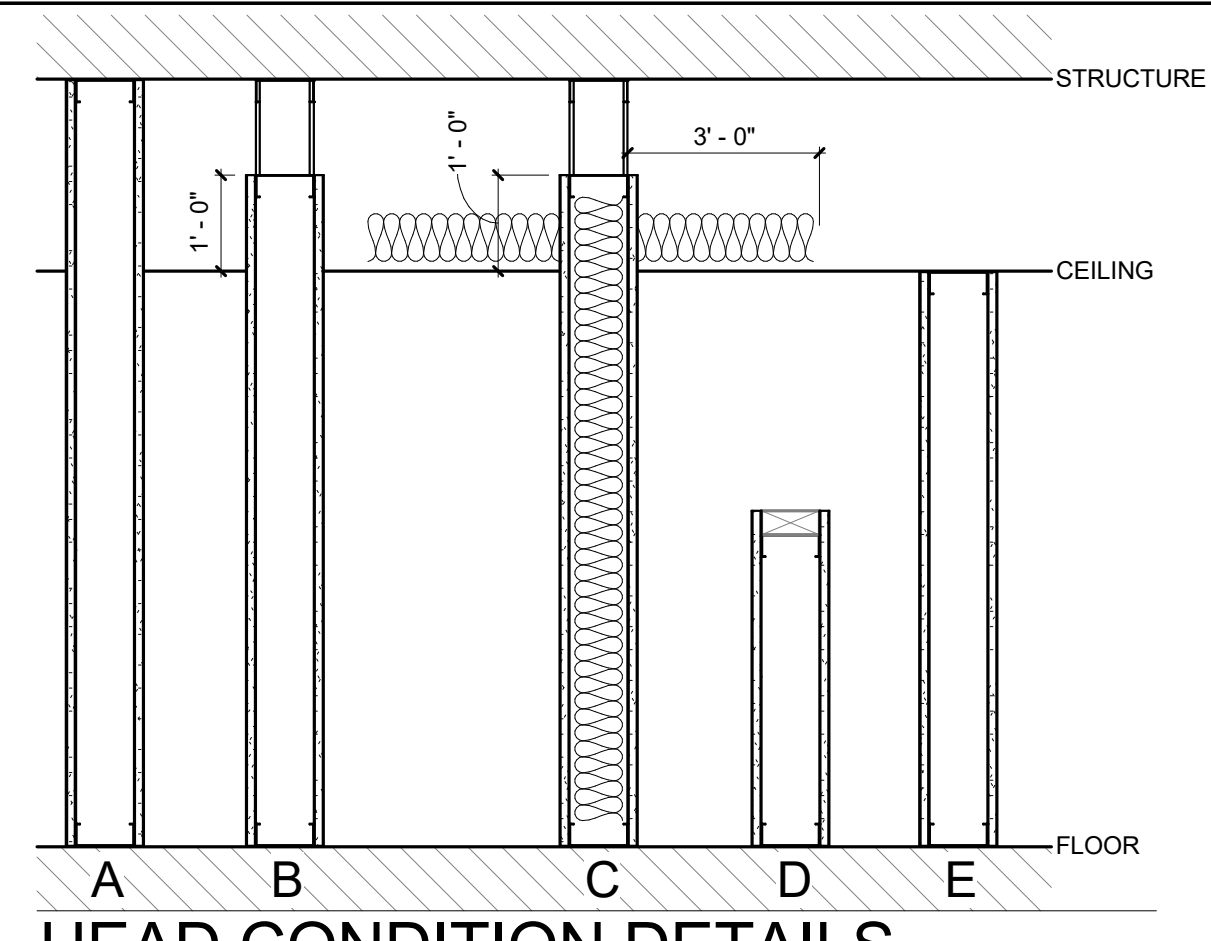
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PROJECT MGR.: TSB
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CHECKED BY: GAP

ACCESSIBILITY
DETAILS

A7.00



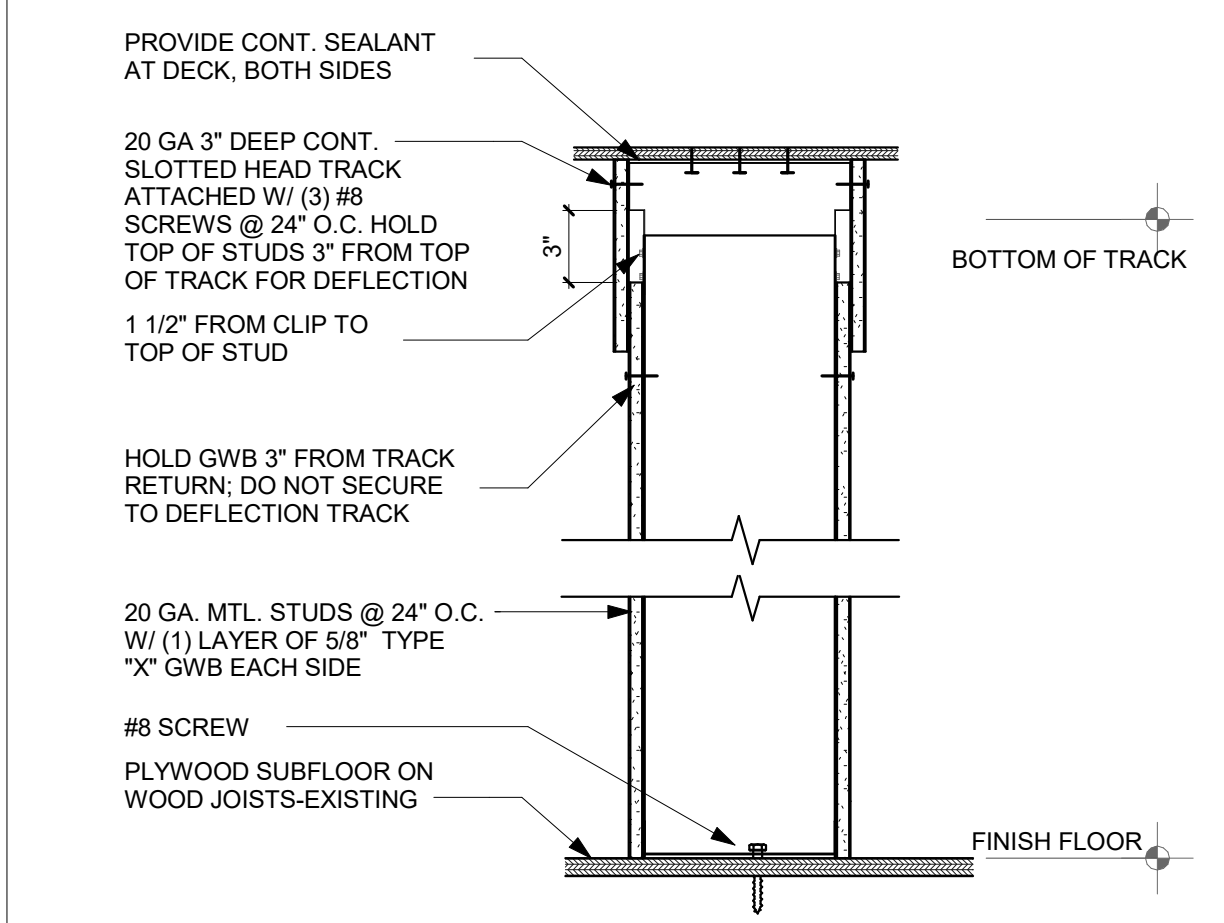
13 DEFLECTION TRACK - PERP TO TRUSS
1 1/2" = 1'-0"



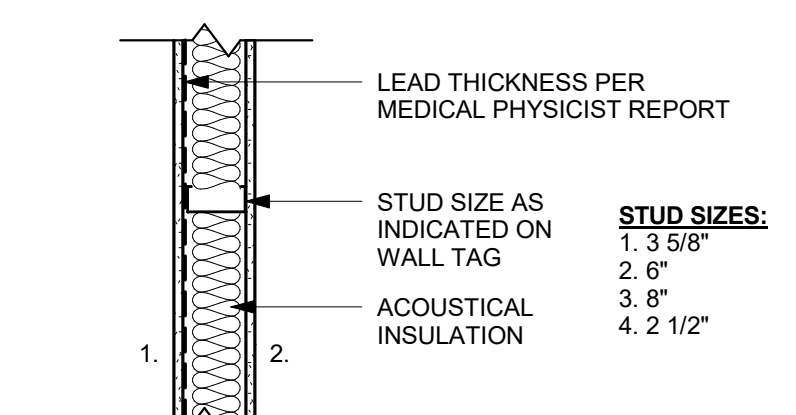
HEAD CONDITION DETAILS
N.T.S.

- A. FRAMING AND GWB TIGHT TO DECK.
 B. GWB TO 12" ABOVE CEILING; FRAMING BRACED TO UNDERSIDE OF JOISTS ABOVE.
 C. GWB TO 12" ABOVE CEILING; FRAMING BRACED TO UNDERSIDE OF JOISTS ABOVE 3" ACOUSTIC INSULATION AT WALL HEAD AS NOTED ON RCP.
 D. PARTIAL HEIGHT WALL - HEIGHT NOTED ON PLAN. PREPARE TOP OF WALL FOR CAP.
 E. GWB AND FRAMING TO CEILING.
- NOTE:** ACOUSTICAL SEALANT CONT. TOP OF GWB AND BOTTOM AT STC WALLS

- ASSEMBLY NOTES:**
- ASSEMBLY COMPONENTS SHOWN HERE REFLECT THE MAJOR CONSTRUCTION MATERIALS; ADDITIONAL AND ALTERNATE MATERIALS AND/OR CONSTRUCTION METHODS MAY BE INDICATED IN REFERENCED ASSEMBLIES.
 - CONFORM TO DETAILED REQUIREMENTS OF DESIGNATED TESTING AUTHORITY NUMBERS AT RATED ASSEMBLIES. WALLS DESIGNATED AS "BASED ON" VARY (AS NOTED IN PARENTHESIS) WHERE DEVIATION OCCURS.
 - WALL ASSEMBLIES: PROVIDE TYPE "X" GYPSUM BOARD THROUGHOUT, UNLESS NOTED OTHERWISE. PROVIDE WATER RESISTANT TYPE "X" GYPSUM BOARD AT ALL ROOMS WHERE PLUMBING FIXTURES OCCUR.
 - WALLS ARE NOT DESIGNED TO SUPPORT WALL-MOUNTED FIXTURES, ACCESSORIES, FURNISHINGS AND EQUIPMENT. PROVIDE NECESSARY STRUCTURAL BLOCKING, BACKING, FRAMING WITHIN THE APPROPRIATE WALLS FOR THIS PURPOSE. VERIFY CONDITIONS AT EXISTING WALLS TO RECEIVE FIXTURES. ADVISE ARCHITECT OF RECORD OF ANY CONDITIONS DETRIMENTAL TO INSTALLATION.
 - STRUCTURAL, FIRE RESISTIVE AND SOUND RESISTIVE INTEGRITY IS TO BE MAINTAINED AT PENETRATIONS FOR ELECTRICAL, MECHANICAL, PLUMBING AND CONDUITS, PIPES AND SIMILAR SYSTEMS AND IS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF GOVERNING CODES, AUTHORITIES OR OWNER REQUIREMENTS, WHICHEVER IS MORE RESTRICTIVE.
 - PROVIDE SOUND ATTENUATING BATT INSULATION FULL HEIGHT OF WALL AT ALL EXAM AND TOILET ROOM WALLS.
 - CONTRACTOR TO VERIFY FINISH SUBSTRATE REQUIREMENTS PRIOR TO START OF CONSTRUCTION.

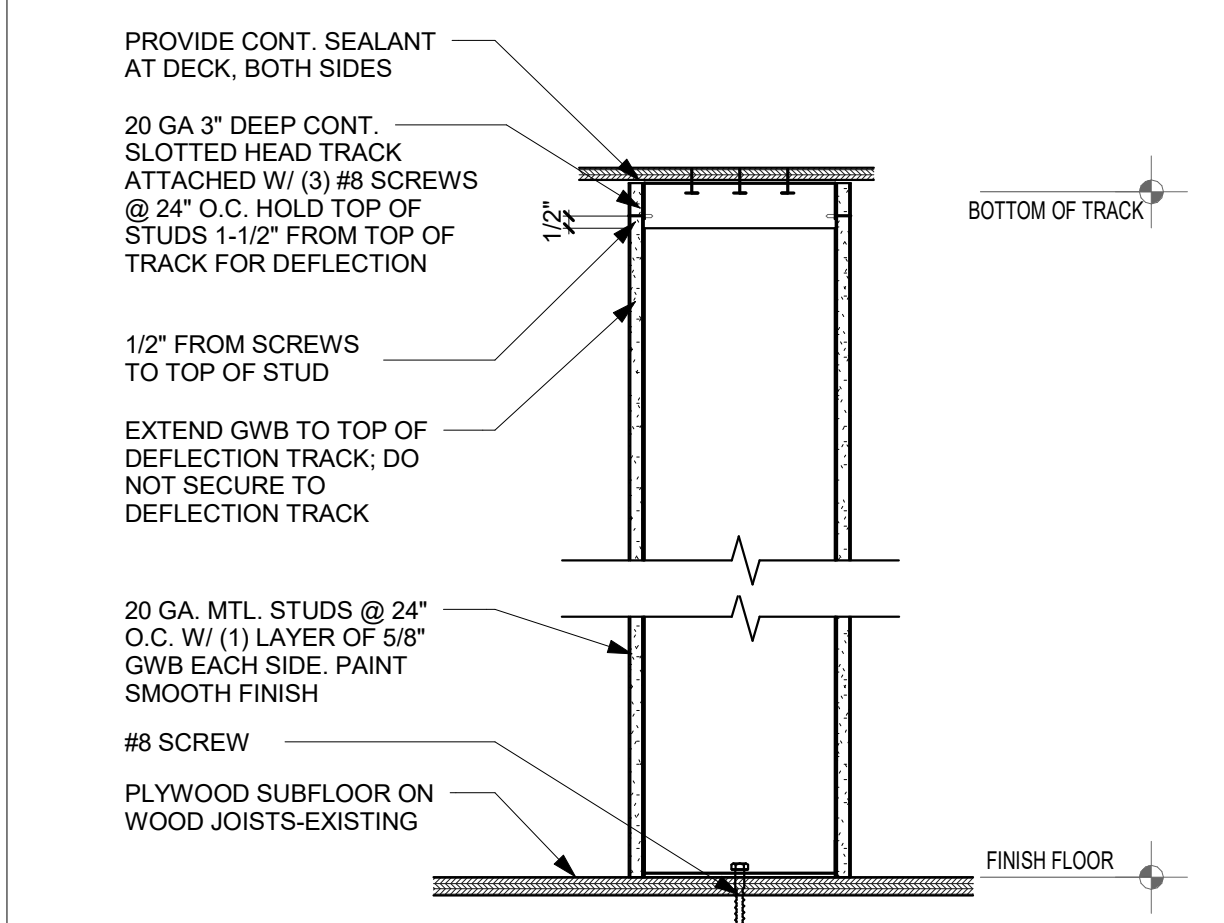


14 3" DEFLECTION TRACK
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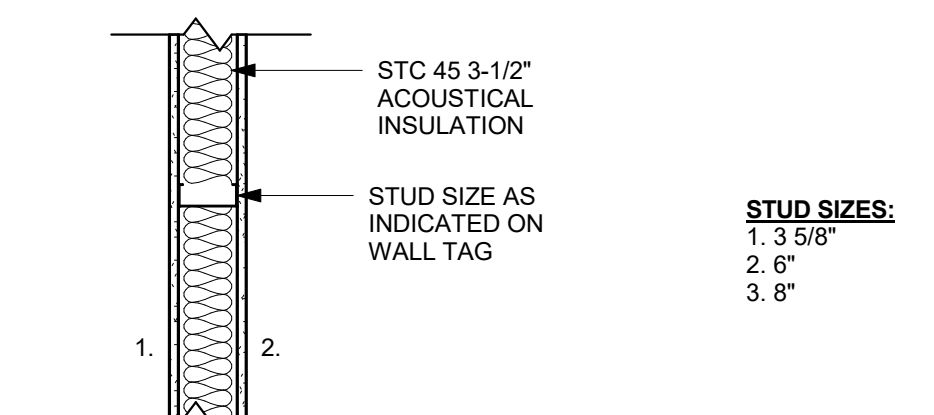


FACE	MATERIAL	NOTES:
M3	1. 5/8" TYPE "X" GWB ²	FIRE RATING - N/A STC RATING - 45 STUD SPACING - 16" O.C.
	2. 5/8" TYPE "X" GWB ¹	

1. MOISTURE RESISTANT AT WET WALLS
2. LEAD LINED GYPSUM BOARD

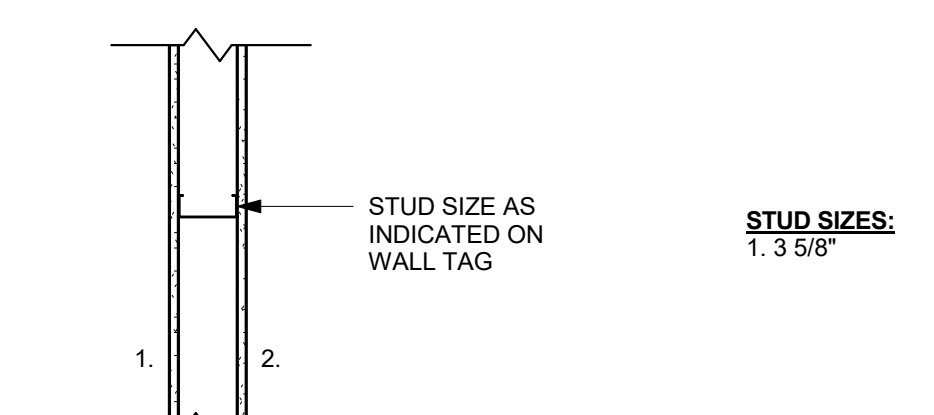


15 1.5" DEFLECTION TRACK
1 1/2" = 1'-0"



FACE	MATERIAL	NOTES:
M2	1. 5/8" TYPE "X" GWB ¹	FIRE RATING - N/A STC RATING - 45 STUD SPACING - 24" O.C.
	2. 5/8" TYPE "X" GWB ¹	

1. MOISTURE RESISTANT AT WET WALLS



FACE	MATERIAL	NOTES:
M1	1. 5/8" TYPE "X" GWB ¹	FIRE RATING - N/A STC RATING - N/A STUD SPACING - 24" O.C.
	2. 5/8" TYPE "X" GWB ¹	

1. MOISTURE RESISTANT AT WET WALLS



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11/10/2016

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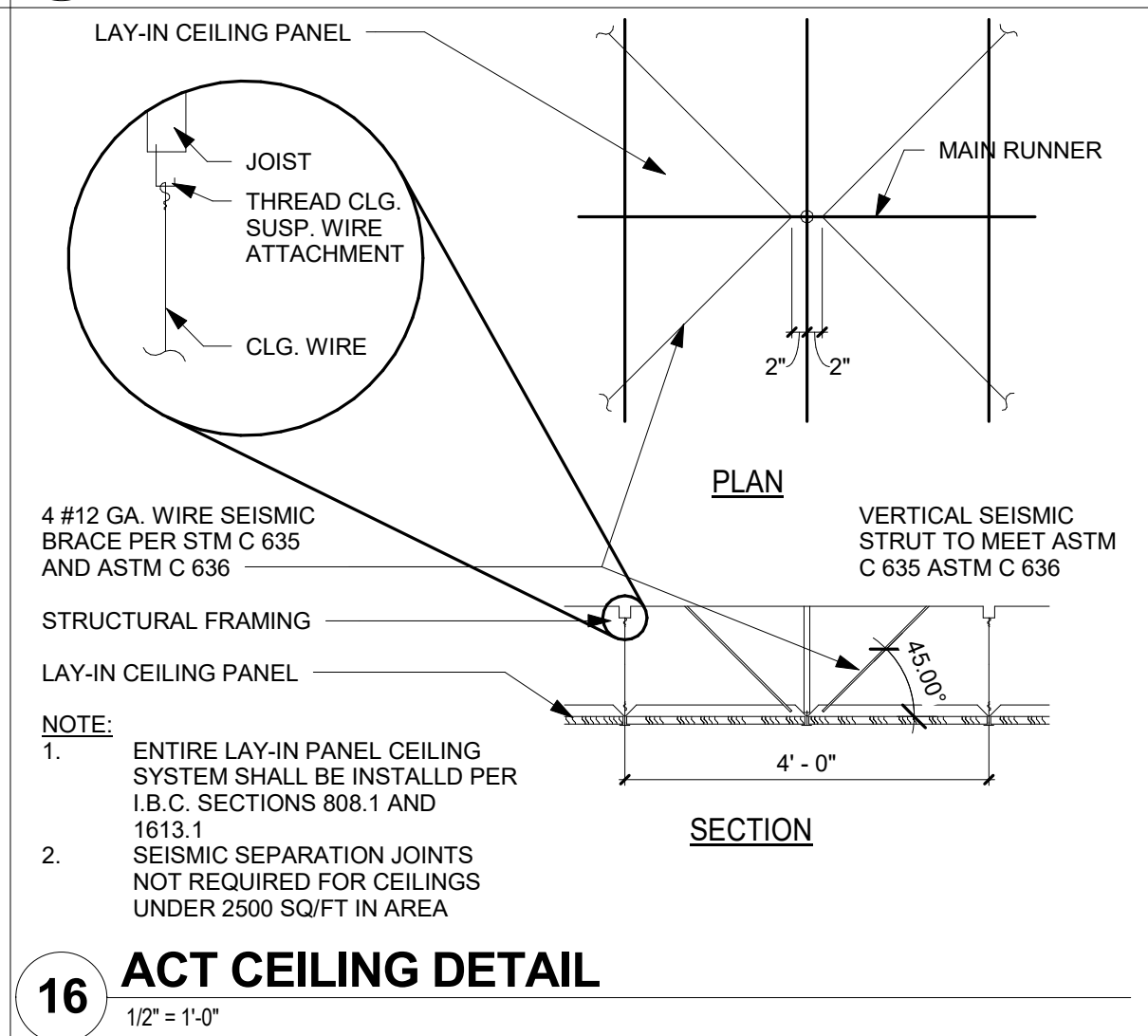
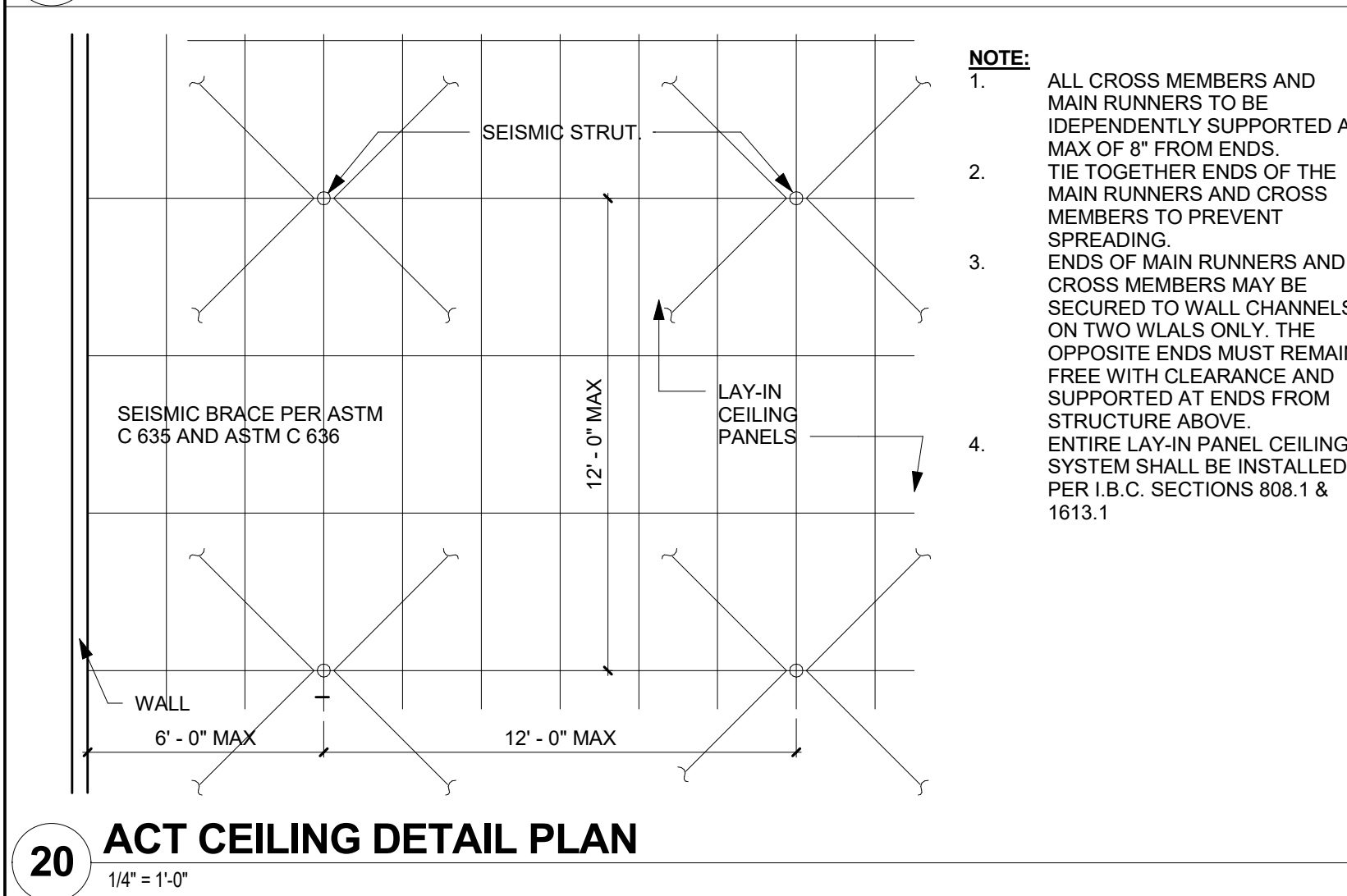
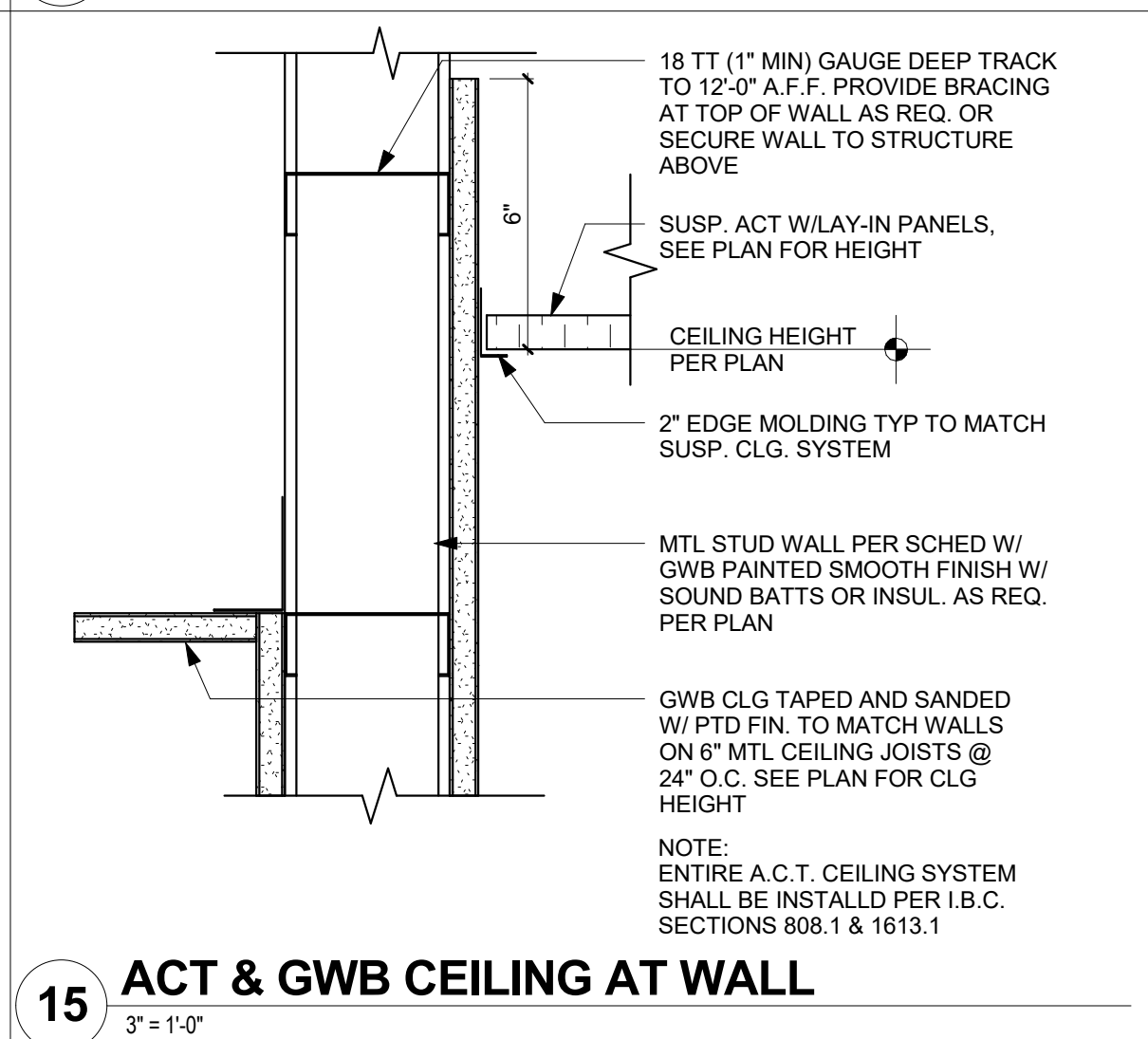
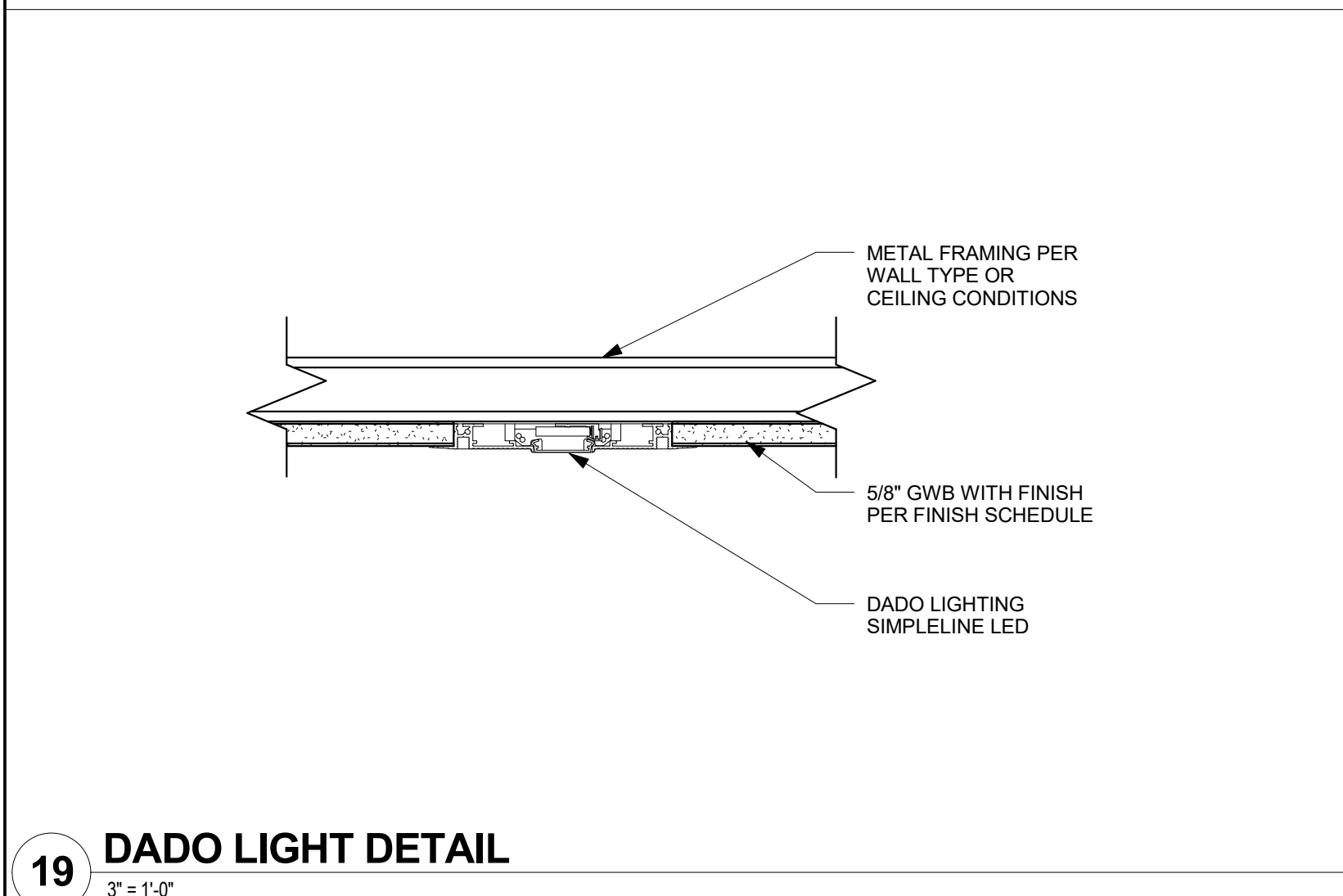
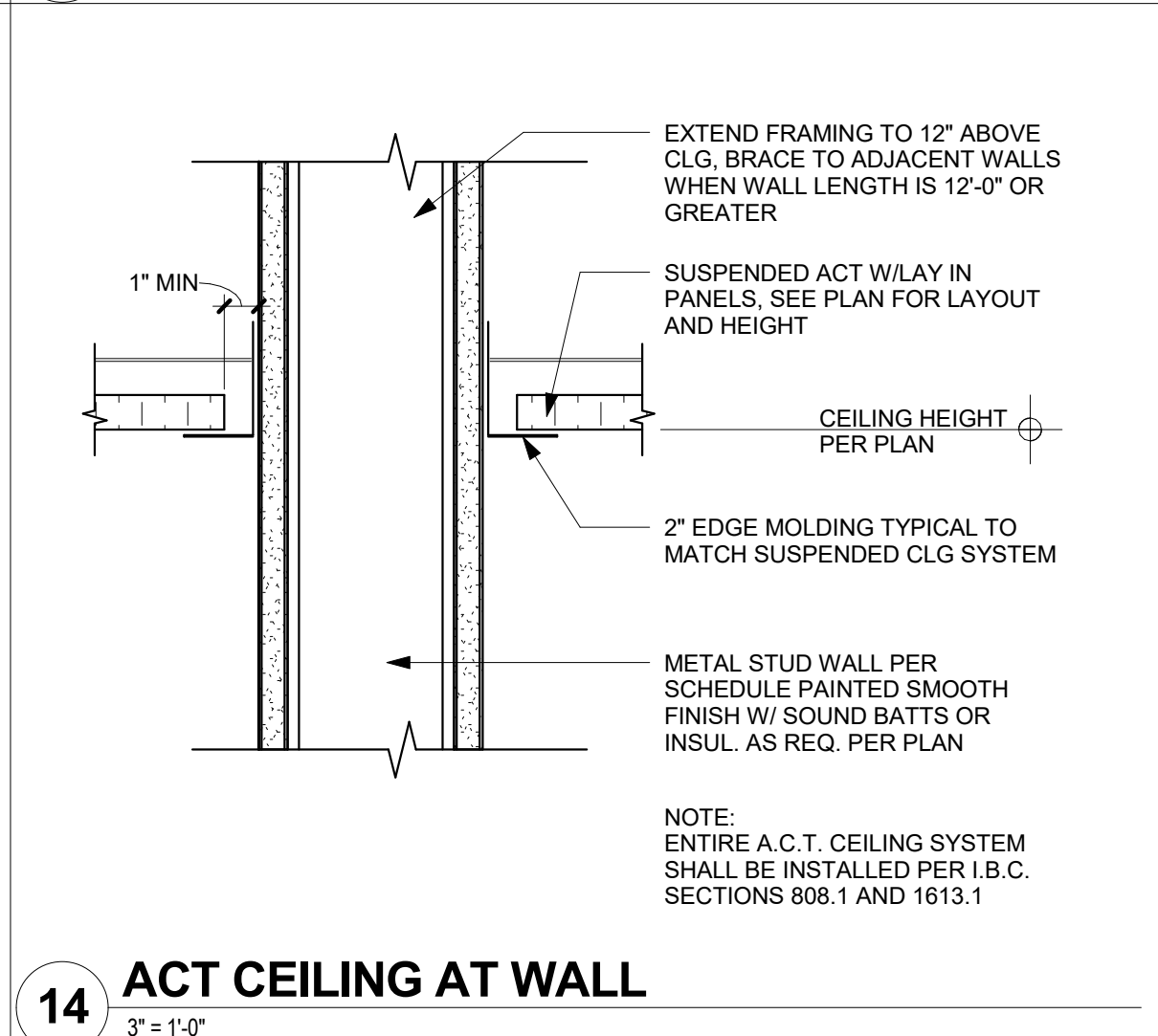
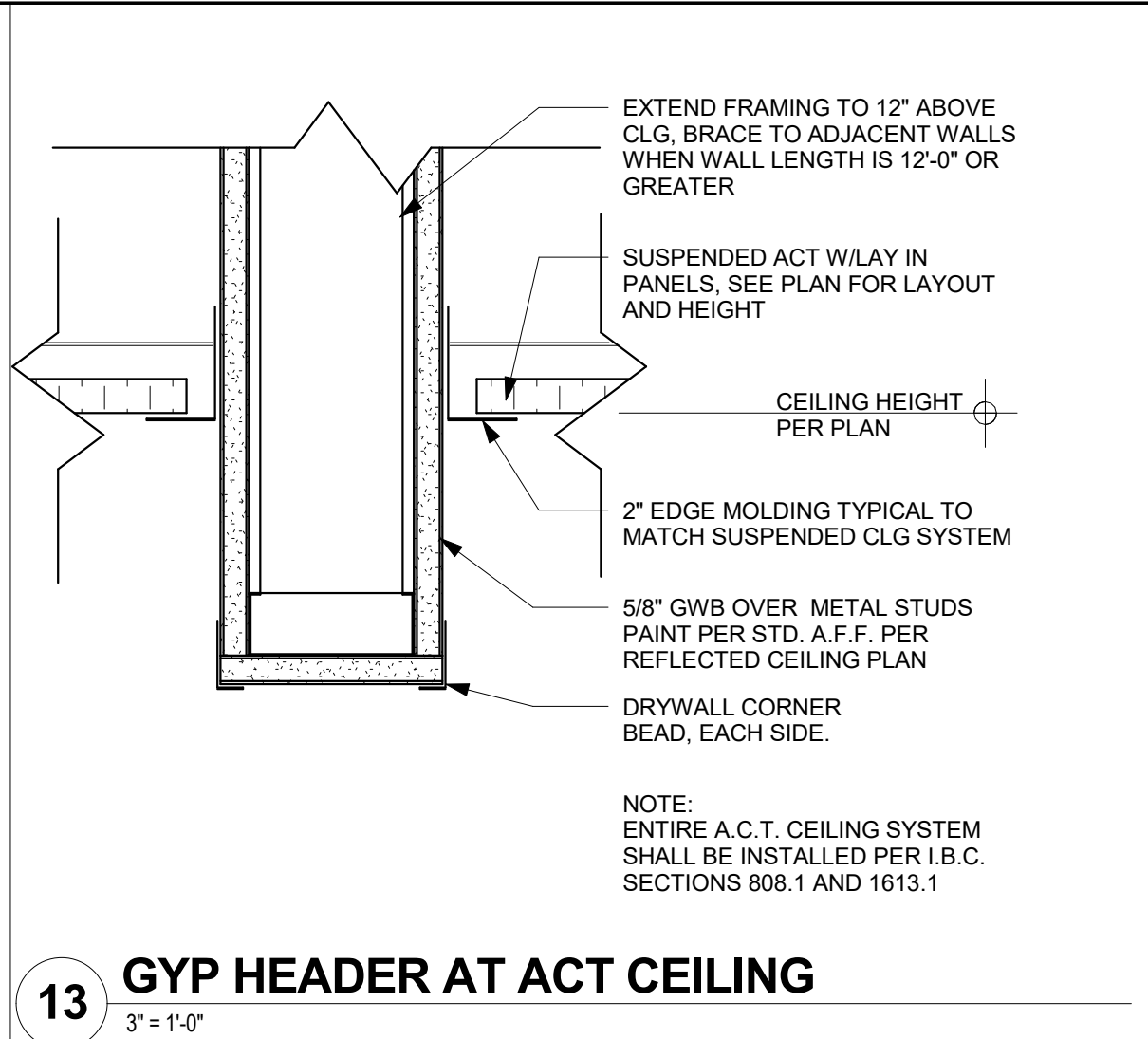
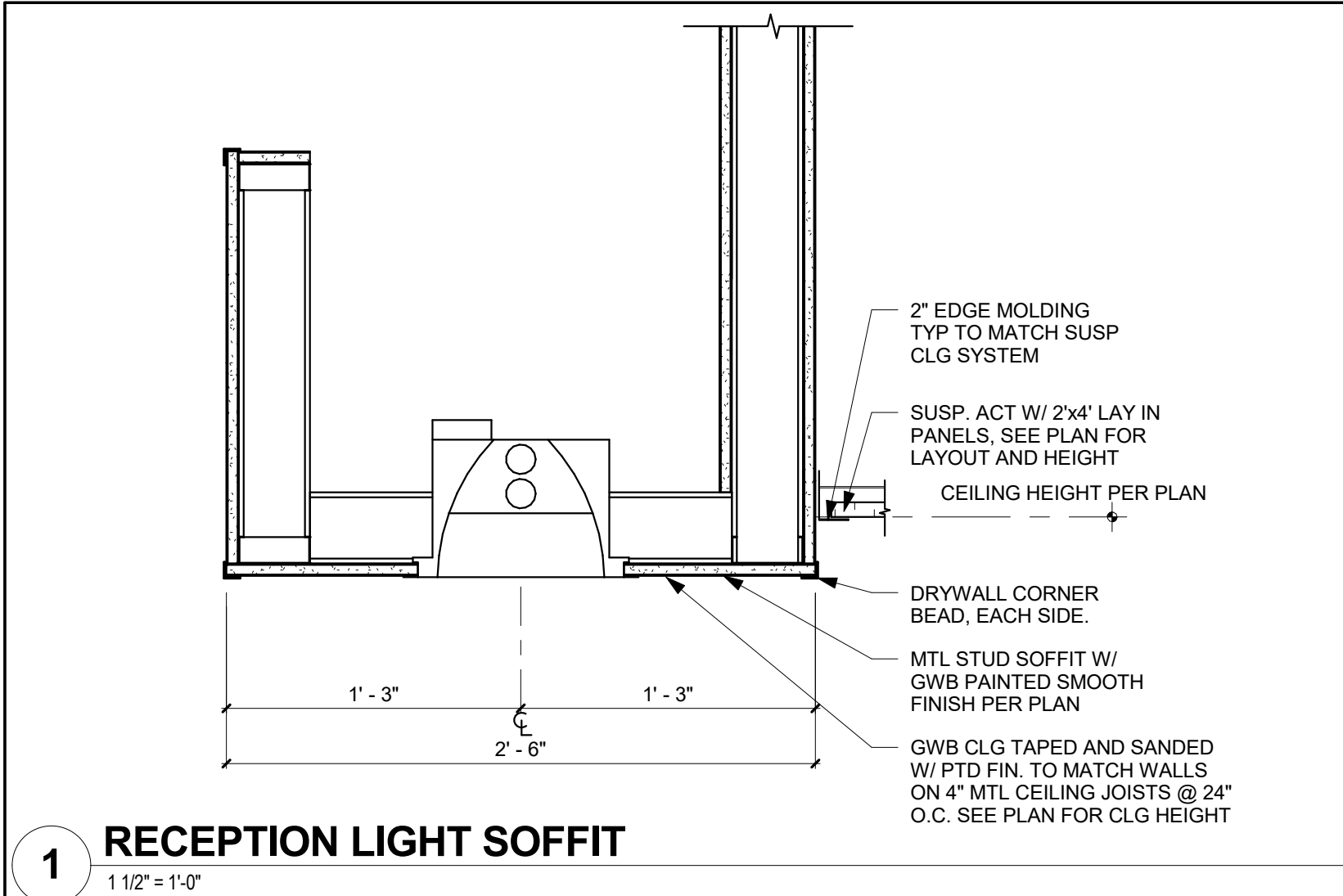
KIRKLAND CLINIC
13126 120TH AVENUE
NORTHEAST
KIRKLAND, WASHINGTON

DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL



PROJECT NO.: 15174.02
 PROJECT MGR.: TSB
 DRAWN BY: TP
 CHECKED BY: GAP

PARTITION DETAILS
A7.01
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NWCB Technical Document 12/13
SUSPENDED CEILINGS 401
Suspension Systems for Acoustical Lay-in Ceilings
Seismic Design Categories D, E & F

This document has been revised based on current Building Code standards. In all buildings, other than structures classified as essential facilities, suspended ceilings installed in accordance with the prescriptive provisions of the 401 document are deemed to comply with the current building code interpretation.

This document provides the IBC-2012 referenced standards for the installation of suspension systems for acoustical lay-in ceilings. Incorporation of this document will provide a more uniform standard for installation and inspection. This document is designed to accomplish the intent of the International Building Code (IBC) with regard to the requirements for seismic design category D, E and F for suspended ceilings and related items. Unless supported by engineering, the suspension system shall be installed per these requirements and those of the referenced documents. Manufacturers' recommendations should be followed where applicable.

General Recommendations

- Referenced sources per hierarchy: 2012 International Building Code (IBC), American Society of Civil Engineers (ASCE 7-10), American Society of Testing Materials (ASTM C 635, ASTM C 636, ASTM E 580/E 580M), and Ceilings and Interior Systems Construction Association (CISCA).
- Partitions that are tied to the ceiling and all partitions greater than 6 feet in height shall be laterally braced to the structure. Bracing shall be independent of the ceiling splay bracing system. Source: ASCE 7-10 Section 13.5.8.1
- For further information on bracing of non-load bearing partitions refer to NWCB Technical Document #200-501.
- All main beams are to be Heavy Duty (HD). Source: ASTM E580 Section 5.1.1
- Ceilings less than or equal to 144 ft² and surrounded by walls connected to the structure above are exempt from the seismic design requirements. Source: ASTM E580 Section 5.2.8.2
- These recommendations are intended for suspended ceilings and related components in areas that require resistance to the effects of earthquake motions. Source: ASTM E580 Section 3.2
- All wire ties are to be three tight turns around itself within three inches. Twelve gage Hanger wire spaced 4 foot on center (figure 1). Source: ASTM C636 Section 2.3.4
- Changes in ceiling planes will require positive bracing. Source: ASTM E580 Section 5.2.8.6

Figure 1
 Maximum Recommended Lengths for Vertical Struts

EMT CONDUIT	
1/2" EMT conduit	up to 5'10"
3/4" EMT conduit	up to 7'8"
1" EMT conduit	up to 9'9"
METAL STUDS	
Single 1 1/4" metal stud (20 gage)	up to 12'0"
Back-to-back 1 1/4" metal stud (20 gage)	up to 15'0"
Single 2 1/2" metal stud (20 gage)	up to 13'6"
Back-to-back 2 1/2" metal stud (25 gage)	up to 15'0"

Source: Portland Building Department
 Note: Plenum areas greater than 150' will require engineering calculations.

Figure 4a
 Attached Wall Molding Requirements

Figure 4b
 Unattached Wall Molding Requirements

Figure 1
 Hanger wire attachment

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 tel 206-524-4243 | email info@nwcb.org

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 tel 503-295-0333
 email oregon@nwcb.org

equivalent to walls. Source: State of Oregon, Building Codes Division, ASTM E580 Section 5.2.3, Section 5.2.9.1

Spreaders Bars (figure 4b)

- Terminal ends of main runners and cross members shall be tied together or have some other approved means to prevent their spreading. Stabilizer bars, cross tees or other means to prevent spreading shall occur within 8 in. of each wall. Source: ASTM E580 Section 5.2.4
- Spreaders bars are not required at perimeters where runners are attached directly to closure angles.
- Spreaders bars are not required if a 90 degree intersecting cross or main is within 8 inches of the perimeter wall.
- Where substantiating documentation has been provided to the local jurisdiction, perimeter clips may be used to satisfy the requirements for spreader bars. Source: State of Oregon, Building Codes Division

Hanger (Suspension) Wires (figures 5a and 5b)

- Hanger and perimeter wires must be plumb within 1 in 6 unless (figure 5a) counter sloping wires are provided (figure 5b). Source: ASTM C636 Section 2.1.4
- Hanger wires shall be 12 gage and spaced 4 feet on center or 10 gage spaced 5 feet on center. Source: ASTM C636 Section 2.1
- Any connection device at the supporting structure shall be capable of carrying not less than 100 pounds. Source: CISCA zones 3-4
- Powder Actuated Fasteners (PAFs) are an approved method of attachment for hanger wires. Source: State of Oregon, Building Codes Division
- Terminal ends of each main beam and cross tee must be supported within 8 inches of each wall with a perimeter wire (see figure 4 & 5 a). Source: ASTM E580 Section 5.2.6
- Wires shall not attach to or bend around interfering material or equipment. A trapeze or equivalent device shall be used where obstructions preclude direct suspension. Trapeze suspensions shall be sized to resist the dead load and lateral forces appropriate for the seismic category. Source: ASTM E580 Section 5.2.7.4

Electrical fixtures

- Light fixtures weighing less than 10 pounds shall have one 12 gage hanger wire connected from the fixture to the structure above. This wire may be slack. Source: ASTM E580 Section 5.3.4
- Light fixtures weighing more than 10 pounds and less than 56 lbs. shall have two 12 gage wires attached at opposing corners of the light fixture to the structure above. These wires may be slack. Source: ASTM E580 Section 5.3.5
- Light fixtures weighing more than 56 lbs. shall be supported directly from the structure above by approved hangers. Source: ASTM E580 Section 5.3.6
- Pendant mounted fixtures shall be directly supported from the structure above using a 9 gage wire or an approved alternate support without using the ceiling suspension system for direct support. Source: ASTM E580 Section 5.3.7
- Tandem fixtures may utilize common wires.

Mechanical Services

- Terminals or services weighing less than 20 lbs. shall be positively attached to the ceiling suspension main runners or to cross runners that have the same carrying capacity as the main runners. Source: ASTM E580 Section 5.4.1

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Lateral Force Bracing (figures 2 and 3)

- Ceilings constructed of screw-or-nail-attached gypsum board on one level that are surrounded by and connected to walls or soffits that are laterally braced to the structure above are exempt from seismic design requirements. Source: ASCE 7-10 Section 13.5.6.2.2 Exception 2, ASTM E580 Section 1.7
- Ceiling areas of 1000 ft² or less shall be exempt from later force bracing requirements. Source: ASTM E580 Section 1.6
- Lateral force bracing is the use of vertical struts (compression posts) and splay wires (see figure 2).
- Lateral Force Bracing shall be 12 feet on center (maximum) and begin no farther than 6 feet from walls. Source: ASTM E580 Section 5.2.8.2
- Seismic splay wires are to be four 12 gage wires attached to the main beam. Wires are arrayed 90° from each other and at an angle not exceeding 45° from the plane of the ceiling. Source: ASTM E580 Section 5.2.8.2
- Seismic splay wires shall be attached to the grid and to the structure in such a manner that they can support a design load of not less than 200 pounds or the actual design load, with a safety factor of 2, whichever is greater (figure 6b). Source: CISCA zones 3-4
- Power Actuated Fasteners (PAFs), when used for seismic application as part of the prescriptive path in Seismic Design Categories D, E and F, shall have an ICC-ES approval for seismic applications and shall require "special inspection" irrespective of the type of occupancy category the structure is in. PAF anchors for kicker wires (splayed wires installed for purposes other than seismic restraint) are exempt from this requirement. Source: State of Oregon, Building Codes Division
- Splay wires are to be within 2 inches of the connection of the vertical strut to suspended ceiling. Source: ASTM E580 Section 5.2.8.2
- Rigid bracing may be used in lieu of splay wires. Source: ASTM E580 Section 5.2.8.4
- Ceilings with plenums less than 12 inches to structure are not required to have lateral force bracing. Source: Portland Building Department
- Vertical struts must be positively attached to the suspension systems and the structure above. Source: ASTM E580 Section 5.2.8.2
- The vertical strut may be EMT conduit, metal studs or a proprietary compression post (see figure 3).

Wall Moldings (figures 4a and 4b)

- Wall moldings (perimeter closure angles) are required to have a horizontal flange 2 inches wide. One end of the ceiling grid shall be attached to the wall molding, the other end shall have a 1/4 inch clearance from the wall and free to slide. Source: ASTM E580 Section 5.2.8.2, Section 5.2.3
- Where substantiating documentation has been provided to the local jurisdiction, perimeter clips may be used to satisfy the requirements for the 2-inch closure angle. Source: State of Oregon, Building Codes Division
- The grid shall be attached to two adjacent walls (pop rivets or approved method). Soffits extending to a point at least level with the bottom plane of the grid and independently supported and laterally braced to the structure above are deemed to be

Figure 2
 Lateral force Bracing

Figure 3
 Maximum Recommended Lengths for Vertical Struts

Figure 4a
 Attached Wall Molding Requirements

Figure 4b
 Unattached Wall Molding Requirements

Figure 7
 Seismic Separation Joints

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NORTHWEST WALL AND CEILING BUREAU

Seismic Separation Joints (figure 7)

- For ceiling areas exceeding 2,500 square feet, a seismic separation joint or full height wall partition that breaks the ceiling shall be provided unless analyses are performed of the ceilings bracing system, closure angles and penetrations to provide sufficient clearance. Source: ASCE 7-10 Section 13.5.6.2.2.b

Glossary for this Document (regional terminology may vary)

CROSS TEES The cross member that interlock with the main beams, also known as cross runners or cross T-bars.

DIFFUSER A circular or rectangular metal grill used for the passage of air from a ducted system.

ESSENTIAL SERVICE BUILDINGS Any buildings designed to be used by public agencies as a fire station, police station, emergency operations center, State Patrol office, sheriff's office, or emergency communication dispatch center.

GRID The main beams and cross tees of the suspension system.

HANGER WIRE 10 or 12 gage soft annealed wire used as primary support for the grid system. Also called suspension wires.

LATERAL FORCE BRACING The bracing method used to prevent ceiling uplift or restrict lateral movement during a seismic event. Lateral force bracing consists of vertical struts and splay wires.

MAIN BEAM The primary suspension member supported by hanger wires, also known as the main runner, carrying tee, carrying runner or mains.

MOLDING/CLOSURE ANGLE A light gauge metal angle or channel fastened to the perimeter wall or partition to support the perimeter ends of an acoustical ceiling grid.

PERIMETER CLIPS Proprietary angle bracket attached directly to the wall molding/closure angle which allows for 1/4" movement in the event of seismic activity and interlocks properly with ends of grid system.

PERIMETER WIRES Hanger wires placed within eight inches of the surrounding walls.

PLENUM The space above a suspended ceiling.

SLACK WIRE A 12 gage wire that is not tight or taut.

SPREADER or SPACER BAR A bar with notches to prevent the suspension system from separating, also called a stabilizer bar.

SPLAY WIRES Wires installed at an angle rather than perpendicular to the grid.

VERTICAL STRUTS The rigid vertical member used in lateral force bracing of the suspension system. Also known as compression posts, seismic posts, seismic struts. Common materials are electrical conduit (EMT), metal studs or proprietary products.

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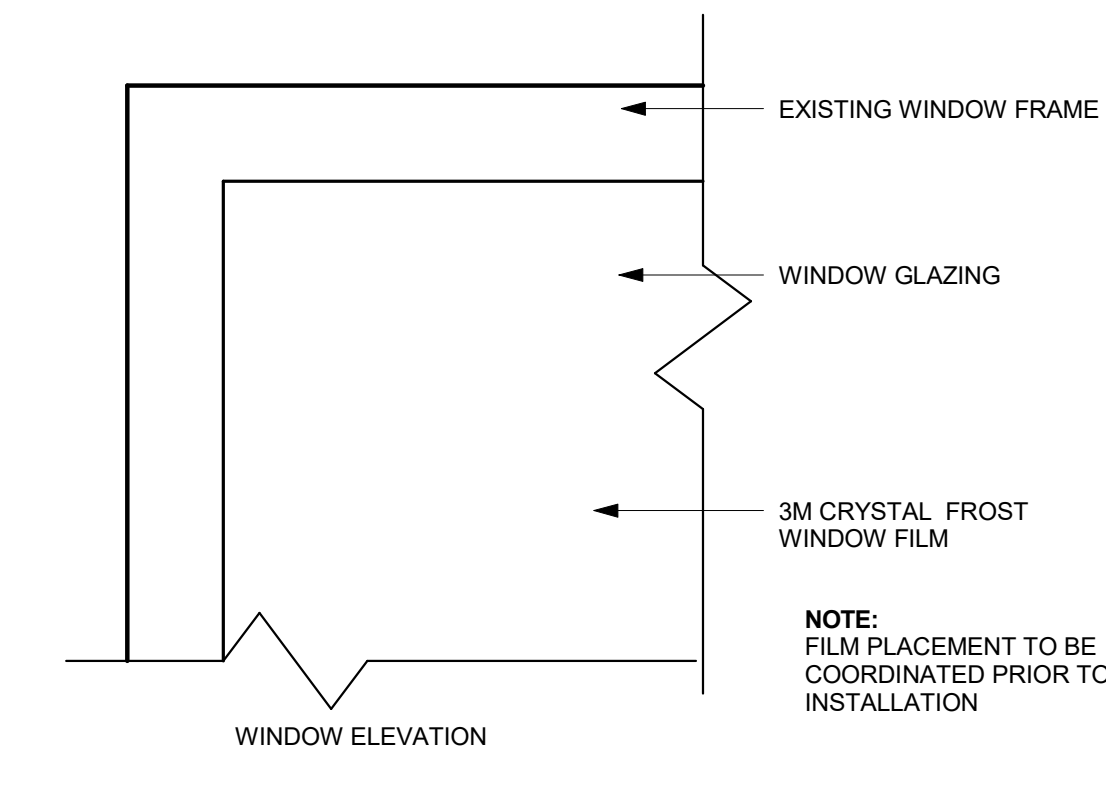
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 STATE OF WASHINGTON

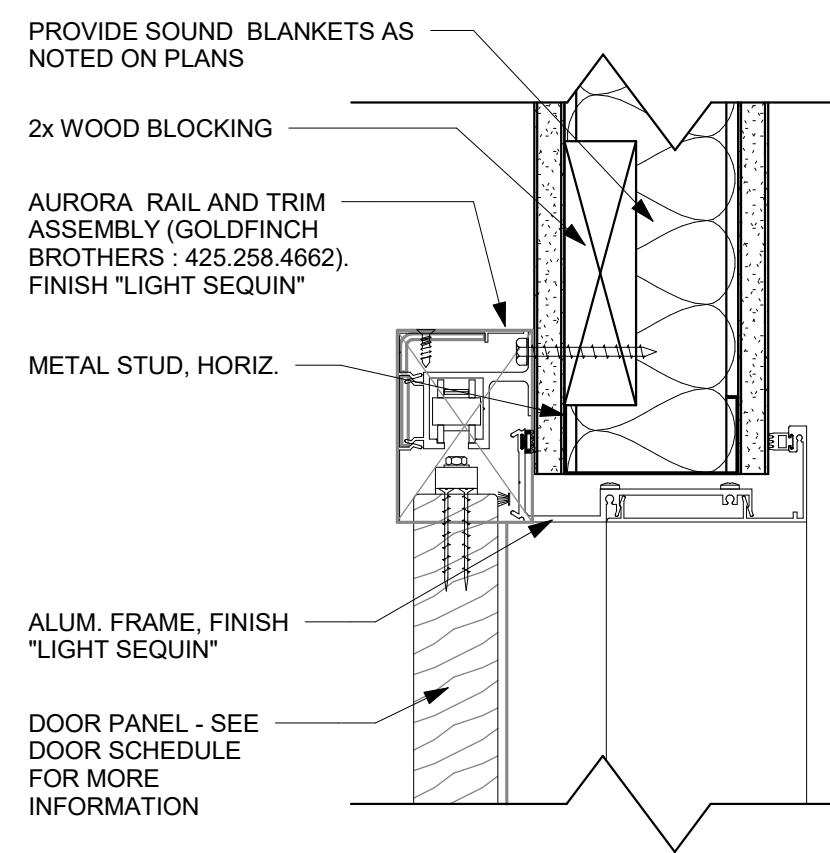
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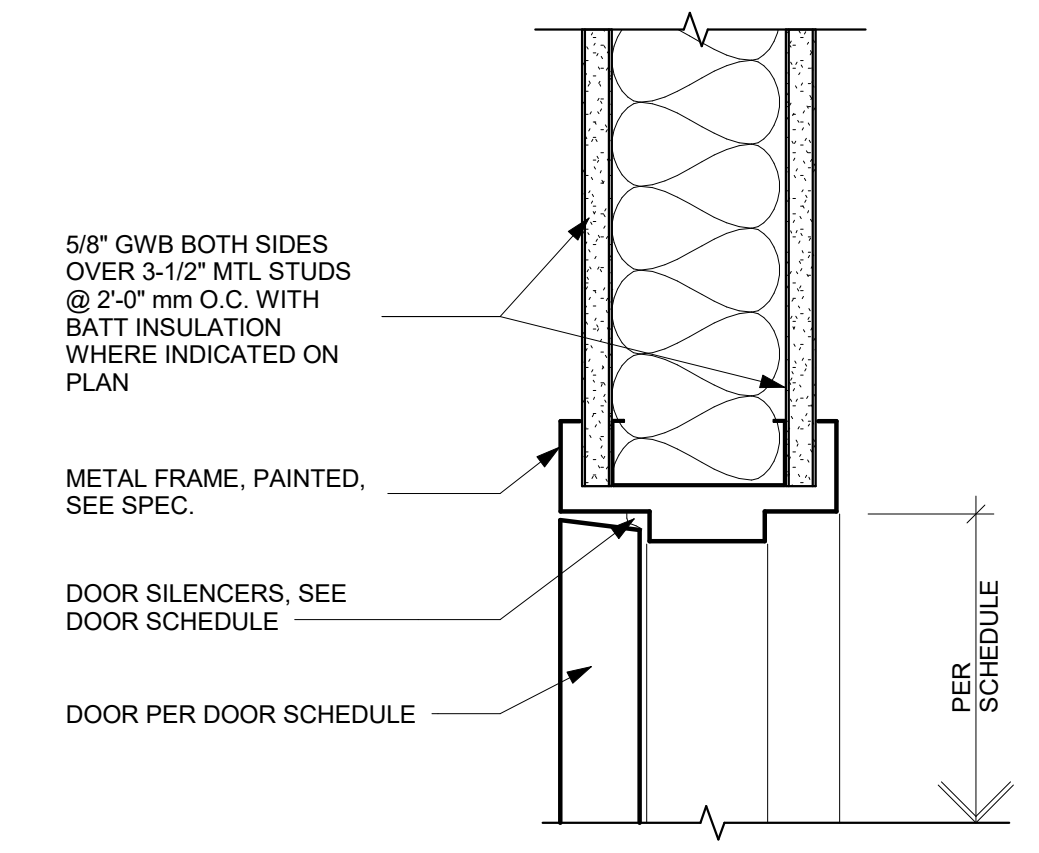
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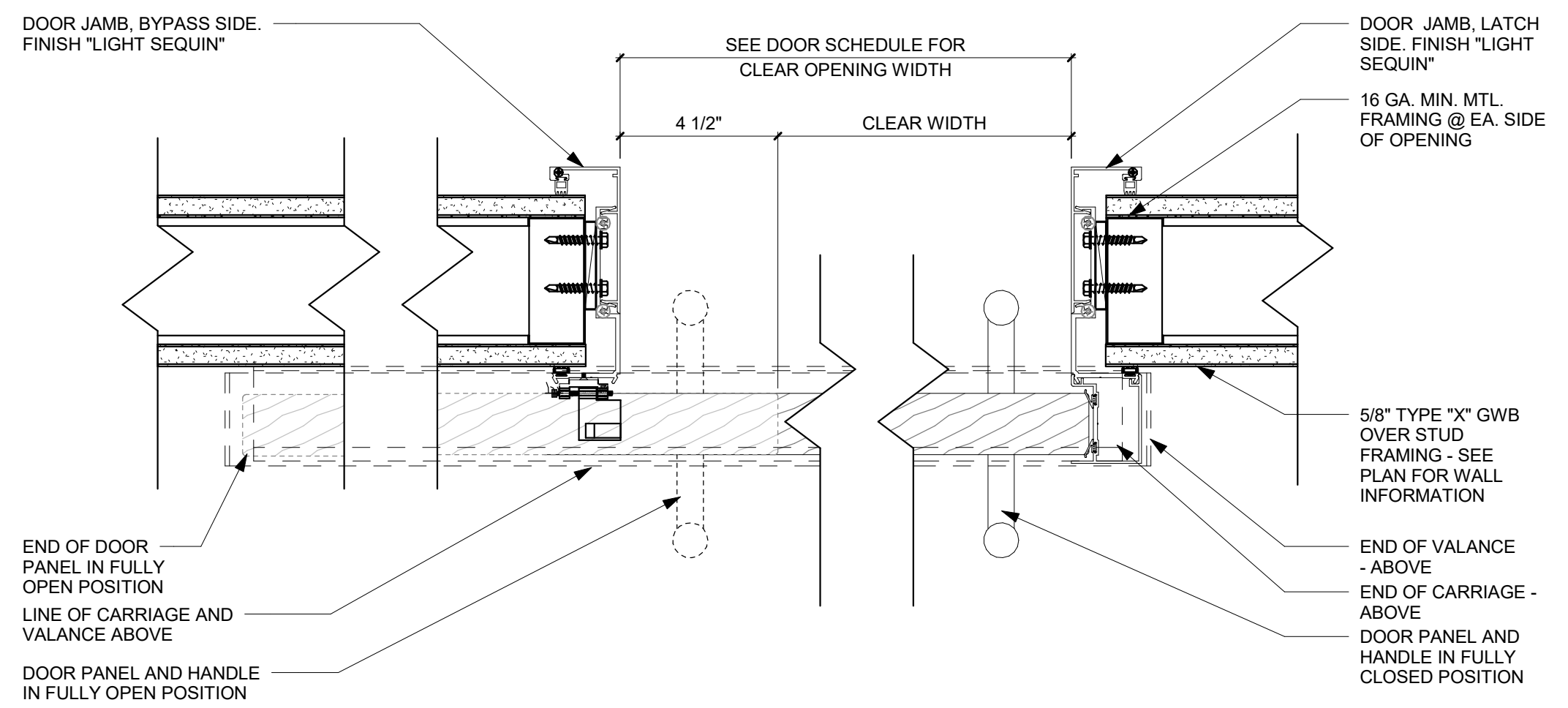
9 CRYSTAL FROST FILM DETAIL
3" = 1'-0"



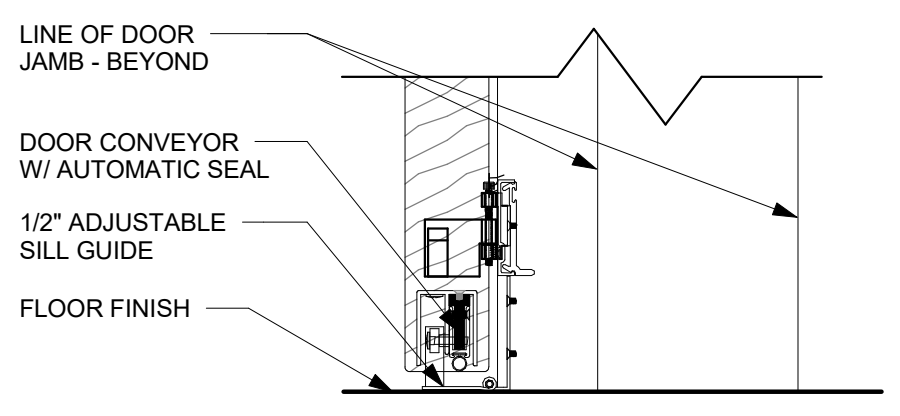
5 AURORA SLIDING DOOR HEAD
3" = 1'-0"



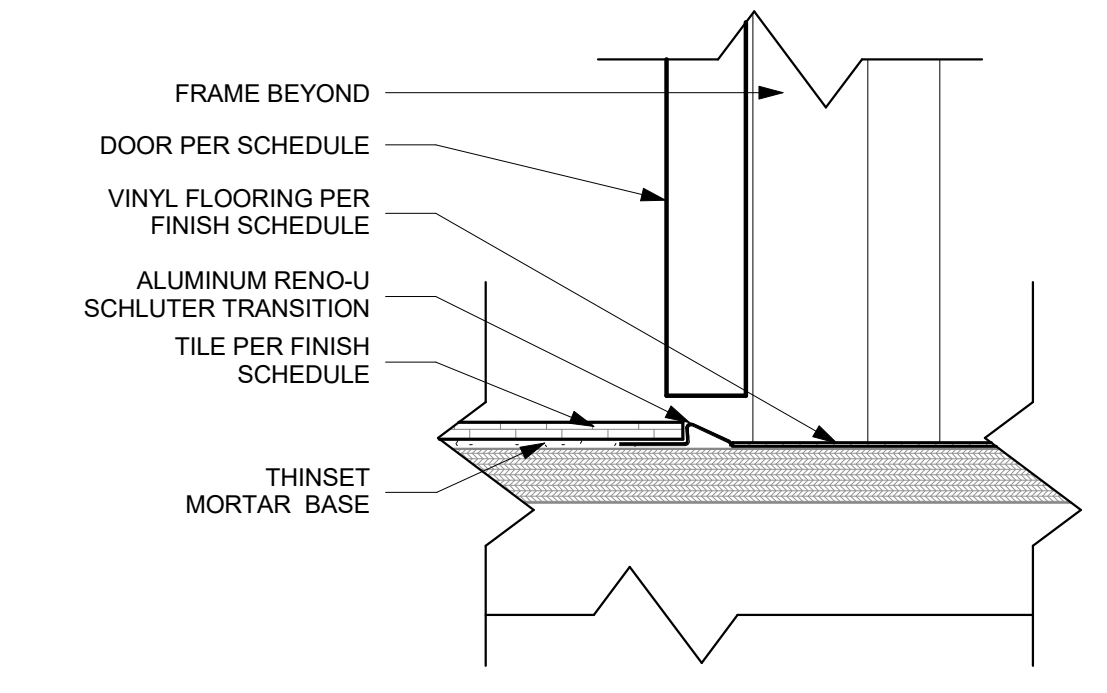
1 TYPICAL DOOR HEAD DETAIL (JAMB SIM.)
3" = 1'-0"



6 AURORA SLIDING DOOR JAMB
3" = 1'-0"



7 AURORA DOOR THRESHOLD
3" = 1'-0"



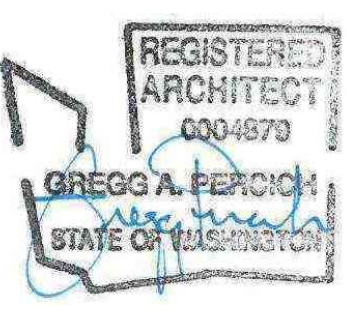
3 TYPICAL INTERIOR THRESHOLD
3" = 1'-0"

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11/10/2016

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9 LEAD LINED DOOR HEAD (JAMB SIM.)
3" = 1'-0"

CORRIDOR SIDE **RADIATION SOURCE**

- 5/8" GWB TYPE 'X'
- LEAD LINED 5/8" GWB TYPE 'X'
- WALL FRAMING 20 GA. MIN. TO BE AT 16" O.C. MAX.
- EXTEND LEAD LINED GWB INTO FRAME. PROVIDE A 1/2" MINIMUM OVERLAP
- LEAD LINED HALLOW METAL FRAME - PAINTED PER FINISH SCHEDULE.
- LEAD LINED WOOD DOOR PER DOOR SCHEDULE

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. CROSS SECTIONAL VIEW OF LEAD LINED DOOR AND FRAME ILLUSTRATE THE PROPER PLACEMENT OF THE LEAD SHIELDING. THE INSIDE OF THE FRAME MUST BE LINED WITH SHEET LEAD FORMED INTO THE CONTOUR OF THE FRAME TO PROVIDE AN EFFECTIVE OVERLAP WITH THE ADJOINING BARRIER.
3. LEAD LINING INSIDE FRAME THROAT MUST BE ON THE SAME SIDE AS RADIATION SOURCE.
4. THE LEAD BACKED DRYWALL MUST BE INSTALLED VERTICALLY.

10 LEAD LINED VISION FRAME (NR)
3" = 1'-0"

CORRIDOR SIDE **RADIATION SOURCE**

- 18 GA. COLD ROLLED STEEL FRAME, GRAY PRIMER OR POWDER COAT FINISH, WITH LEAD LINING.
- 5/16" X-RAY SAFETY GLASS, 2.0 MM LEAD EQUIVALENCY, MEETING IMPACT RESISTANT REQUIREMENTS OF ANSI Z97.1 AND CPSC 16 CFR 1201 CAT II.
- METAL SCREWS FOR FRAME ANCHORAGE
- LEAD LINED WOOD DOOR PER DOOR SCHEDULE

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. X-RAY GLASS IS NOT IMPACT PROOF, SHATTER PROOF, SCRATCH RESISTANT OR TEMPERED.
3. LEAD LINED FRAME AND X-RAY GLASS ASSEMBLY TO BE THE SAME SHIELDING PROTECTION AS DOOR.

12 LEADED GLAZING SILL (JAMB SIM.)
3" = 1'-0"

CORRIDOR SIDE **RADIATION SOURCE**

- WALL FRAMING 20 GA. MIN. TO BE AT 16" O.C. MAX.
- 5/8" GWB TYPE 'X'
- STEEL TELESCOPIC LEAD LINED WINDOW FRAMES TO MATCH HOLLOW METAL DOOR FRAMES.
- LEADED GLASS - UNDERCUT DOUBLE SIDED FOAM TAPE BETWEEN GLASS AND FRAME
- 1/2" x 1/2" REMOVABLE GLAZING STRIPS
- 2" HOLLOW METAL FRAME W/ LEAD SHIELDING.
- LEAD LINED 5/8" GWB TYPE 'X'

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. CROSS SECTIONAL VIEW OF LEADED GLAZING AND FRAME ILLUSTRATE THE PROPER PLACEMENT OF THE LEAD SHIELDING. THE INSIDE OF THE FRAME MUST BE LINED WITH SHEET LEAD FORMED INTO THE CONTOUR OF THE FRAME TO PROVIDE AN EFFECTIVE OVERLAP WITH THE ADJOINING BARRIER.
3. LEAD LINING INSIDE FRAME THROAT MUST BE ON THE SAME SIDE AS RADIATION SOURCE.
4. THE LEAD BACKED DRYWALL MUST BE INSTALLED VERTICALLY.

5 BOX PENETRATION SHIELDING
3" = 1'-0"

- BOX BRACE SUPPORT BY OTHERS
- METAL STUDS BY OTHERS, MIN. GAUGE TO BE 20 GAUGE OR THICKER & 16" O.C. MAX.
- LEAD SHEET
- 2x DEPTH
- DEPTH
- BOX OR CAN IN WALL
- LEAD LINED 5/8" GWB TYPE 'X'
- 2" WIDE BATTEN STRIPS x SAME HEIGHT & LEAD THICKNESS AS SURROUNDING WALL, CEILING
- 1 1/4" LONG TYPE "S-12" DRYWALL SCREWS EDGE SPACING AT 8" O.C. AND FIELD SPACING AT 12" O.C. AS REQUIRED BY UL LISTINGS
- LEAD DISCS COVERS ON SCREW HEADS, (OPTIONAL U.O.N.)

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. BOX LOCATIONS TO BE CENTERED BETWEEN THE STUDS.
3. THIS DETAIL SIMILAR IF REQUIRED AT CEILING PENETRATIONS.
4. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSTITUTIONS OR MODIFICATIONS ALLOWED.

6 HVAC DUCT PENETRATION SHIELDING
3" = 1'-0"

- TURN 90 DEGREES AND RUN DUCT HORIZONTALLY AS CLOSE TO THE CEILING AS POSSIBLE.
- "W" + "H" X 2
- DUCT OR HVAC (BY OTHERS) MUST BE RIGID GALV. STEEL, NOT FLEXIBLE DUCT)
- WRAP SHEET LEAD OVER DUCT AND EXTEND MINIMUM OF 2" BEYOND ALL EDGES OF THE DUCT.
- KEEP "H" AS CLOSE AS POSSIBLE
- LEAD WRAP DUCT OR LEAD OVERLAP DUCT IS ACCEPTABLE
- LEAD LINED 5/8" GWB TYPE 'X'
- DUCT OR HVAC (BY OTHERS) MUST RUN HORIZONTALLY AS SHOWN. NO THROUGH PENETRATIONS PERMITTED.

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. FOR TYPICAL DUCT PENETRATIONS IN LEADLINED CEILINGS. (NO THROUGH PENETRATIONS)
3. ALTERNATE OPTION: UTILIZE RAY-BAR LEAD FREE SHIELDED HVAC DIFFUSER COVER, PROVIDING SAME PROTECTION.

8 LEAD SHIELDING OUTSIDE CORNER
3" = 1'-0"

- 2" WIDE STRIPS - SAME THICKNESS AS GYP. BD. LEAD LINING
- 1 1/4" LONG TYPE "S-12" DRYWALL SCREWS EDGE SPACING AT 8" O.C. AND FIELD SPACING AT 12" O.C. AS REQUIRED BY UL LISTINGS
- METAL STUDS BY OTHERS, MIN. GAUGE TO BE 20 GAUGE OR THICKER & 16" O.C. MAX.
- LEAD LINED 5/8" GWB TYPE 'X' PER MEDICAL PHYSICIST REPORT
- 4" WIDE STRIPS - SAME THICKNESS AS GYP. BD. LEAD LINING
- 5/8" GWB TYPE 'X'

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL.
3. ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL.
4. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER.
5. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSTITUTIONS OR MODIFICATIONS ALLOWED.

1 LEAD BATTEN STRIPS @ VERTICAL JOINT
3" = 1'-0"

- 5/8" GWB TYPE 'X'
- METAL STUDS BY OTHERS, MIN. GAUGE TO BE 20 GAUGE OR THICKER & 16" O.C. MAX.
- 2" WIDE BATTEN STRIPS x SAME HEIGHT & LEAD THICKNESS AS LEAD WALL. @ VERTICAL JOINTS, TO BE THE SAME VALUE AS THE SURROUNDING WALL.
- 1 1/4" LONG TYPE "S-12" DRYWALL SCREWS EDGE SPACING AT 8" O.C. AND FIELD SPACING AT 12" O.C. AS REQUIRED BY UL LISTINGS
- ALL GYPSUM BOARD TO BE INSTALLED VERTICALLY.
- LEAD LINED 5/8" GWB TYPE 'X'

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL.
3. ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL.
4. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER.
5. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSTITUTIONS OR MODIFICATIONS ALLOWED.

2 LEAD BATTEN STRIPS @ INTERMEDIATE
3" = 1'-0"

- 5/8" GWB TYPE 'X'
- METAL STUDS BY OTHERS, MIN. GAUGE TO BE 20 GAUGE OR THICKER & 16" O.C. MAX.
- SHIMS NEEDED AT INTERMEDIATE STUDS
- 1 1/4" LONG TYPE "S-12" DRYWALL SCREWS EDGE SPACING AT 8" O.C. AND FIELD SPACING AT 12" O.C. AS REQUIRED BY UL LISTINGS
- LEAD LINED 5/8" GWB TYPE 'X'

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL.
3. ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL.
4. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER.
5. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSTITUTIONS OR MODIFICATIONS ALLOWED.

4 LEAD SHIELDING INSIDE CORNER
3" = 1'-0"

- METAL STUDS BY OTHERS, MIN. GAUGE TO BE 20 GAUGE OR THICKER & 16" O.C. MAX.
- 2" WIDE STRIPS - SAME THICKNESS AS GYP. BD. LEAD LINING
- 1 1/4" LONG TYPE "S-12" DRYWALL SCREWS EDGE SPACING AT 8" O.C. AND FIELD SPACING AT 12" O.C. AS REQUIRED BY UL LISTINGS
- LEAD LINED 5/8" GWB TYPE 'X' PER MEDICAL PHYSICIST REPORT
- 4" WIDE STRIPS - SAME THICKNESS AS GYP. BD. LEAD LINING
- 5/8" GWB TYPE 'X'

1. THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.
2. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL.
3. ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL.
4. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER.
5. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSTITUTIONS OR MODIFICATIONS ALLOWED.

City of Kirkland
Reviewed by R Braun
11/10/2016

IWA. CENTER FOR
PAIN MGMT.

KIRKLAND CLINIC
13126 120TH AVENUE
NORTHEAST
KIRKLAND, WASHINGTON

DATE	NO.	DESCRIPTION
10/03/16	1	PERMIT SUBMITTAL



PROJECT NO.: 15174.02
PROJECT MGR.: TSB
DRAWN BY: TP
CHECKED BY: GAP

LEAD SHIELDING
DETAILS

A7.04