TENANT IMPROVEMENT (MEDICAL CLINIC)

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= NUMBER OF LAVATORIES PROVIDED=

2 UNISEX

SHEET INDEX

SHEET NO.	SHEET NAME
GENERAL	
G0.00	COVER SHEET
G0.01	GENERAL NOTES, LEGENDS AND ABBREVIATIONS
G0.02	EGRESS & LIFE SAFETY PLANS
G0.03	FIRE ASSEMBLIES
ARCHITECTURAL	
A1.00	SITE PLAN
A2.00	DEMOLITION FLOOR PLAN
A2.01	BUILDING FLOOR PLAN
A2.02	BUILDING FRAMING PLAN
A2.03	POWER AND COMMUNICATIONS PLAN
A2.04	REFLECTED CEILING PLAN
A2.05	EXISTING BUILDING ROOF PLAN
A4.00	BUILDING SECTIONS
A6.00	DOOR, FENESTRATION AND FINISH SCHEDULES
A7.00	ACCESSIBILITY DETAILS
A7.01	PARTITION DETAILS
A7.02	CEILING DETAILS
A7.03	OPENING DETAILS
A7.04	LEAD SHIELDING DETAILS

ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104

t 206.324.4800

WWW.JACKSONMAIN.COM

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

FOR

CLINIC

PROJECT NO .: PROJECT MGR. DRAWN BY: CHECKED BY:

COVER SHEET

SITE & BUILDING INFO.

TAXPAYER -

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

242270-0050

TL-1B

EXISTING

EXISTING

EXISTING

EXISTING

13126 120TH AVE NE

KIRKLAND, WA 98034

1.68 ACRES (73,228 SF)

TAX PARCEL NUMBER -PROJECT ADDRESS

SITE STATISTICS SITE AREA -REQUIRED BUILDING SETBACKS-FRONT -SIDE (INTERIOR)-

BUILDING STATISTICS
ALLOWABLE HEIGHT **ACTUAL HEIGHT -**CONSTRUCTION TYPE

OCCUPANCY TYPE -

SIDE (STREET) -

35 FEET 9 FEET (EXISTING) V-B, UNSPRINKLERED (EXISTING) B (BUSINESS)

ENERGY CODE CALCS

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

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

LTG-SUM & LTG-INT-SPACE

B (BUISNESS) OCCUPANCY

EGRESS TRAVEL (IBC TABLE 1006.2.1) -

PARKING CALCS

PROVIDED:

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

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 -

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 -

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

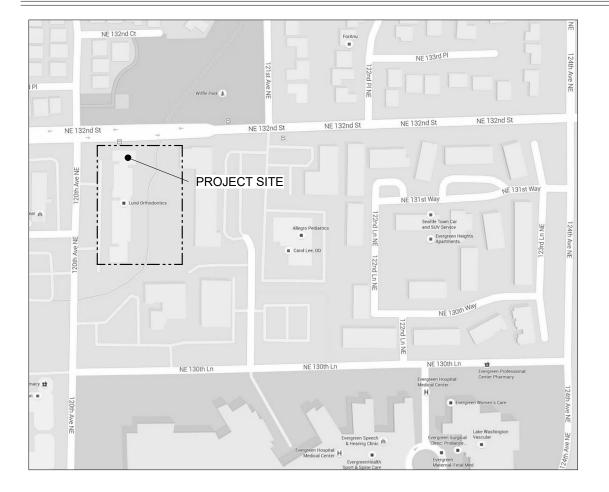
REQUIRED EXITS FOR SUITE 1 EXITS REQ. PROVIDED EXITS THROUGHOUT SUITE 1 EXITS

3.2" 16 OCCUPANTS AT .2" PER = MAX. TRAVEL DISTANCE (IBC TABLE 1006.2.1) -MAX. DISTANCE FOR COMMON PATH OF

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

MAX OCCUPANT LOAD OF SPACE - 49

LOCATION MAP



PROJECT TEAM

OWNER: WASHINGTON CENTER FOR PAIN MANAGEMENT 12100 NORTHUP WAY BELLEVUE, WA 98005 PHONE: 425.998.8208 **CONTACT: GLENN COMBS** EMAIL: glenn@pacconpartners.com ARCHITECT:
JACKSON | MAIN ARCHITECTURE P.S. 311 1ST AVE. S.

EMAIL: tim.black@jacksonmain.com

CONTACT: BRETT REYNOLDSON EMAIL: brett@pacconpartners.com

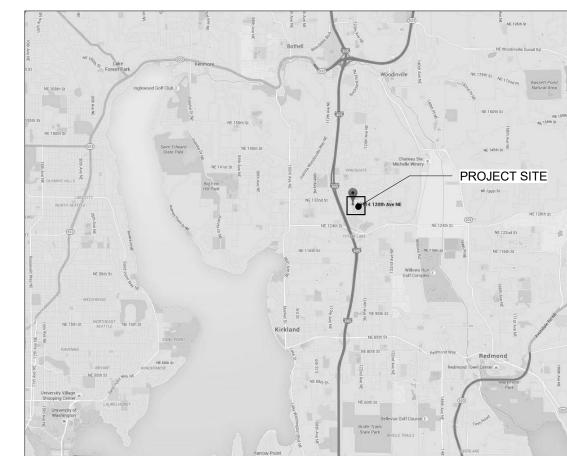
SEATTLE WA 98104

PHONE: 206.324.4800 FAX: 206.322.2875 CONTACT: TIM BLACK

12100 NORTHUP WAY BELLEVUE, WA 98005 PHONE: 425.273.2775 MECHANICAL ELECTRICAL **PLUMBING** FIRE ALARM

SEPARATE SUBMITTALS

VICINITY MAP



GENERAL NOTES

- 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.
- ALL WORK INCLUDING MATERIAL AND DESIGN SPECIFICATIONS SHALL CONFORM TO THE MOST RECENT LOCAL BUILDING CODES AND ORDINANCES. BIDDER DESIGNED WORK TO BE APPROVED BY ARCHITECT PRIOR TO CONSTRUCTION. ALL EQUALS TO BE SUBMITTED TO ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION. GENERAL CONTRACTOR TO PROVIDE REQUESTS FOR INFORMATION (RFI) IN WRITING TO ARCHITECT DURING BIDDING AND CONSTRUCTION FOR CLARIFICATIONS OR ADDITIONAL
- 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
- 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
- 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. 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
- ERRORS OR OMISSIONS IN ANY SCHEDULE OR DRAWING DO NOT RELIEVE THE CONTRACTOR FROM THE WORK INTENDED IN THE DRAWING OR DESCRIBED IN THE ALL DETAILS CALLED OUT ARE TYPICAL AND ASSUMED TO BE IN MULTIPLE LOCATIONS
- VERIFY LOCATIONS AND QUANTITY PRIOR TO BID. 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.
- 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. 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
- ALL DIMENSIONS ARE TO FACE OF STUD OR STRUCTURAL GRID, UNLESS OTHERWISE

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

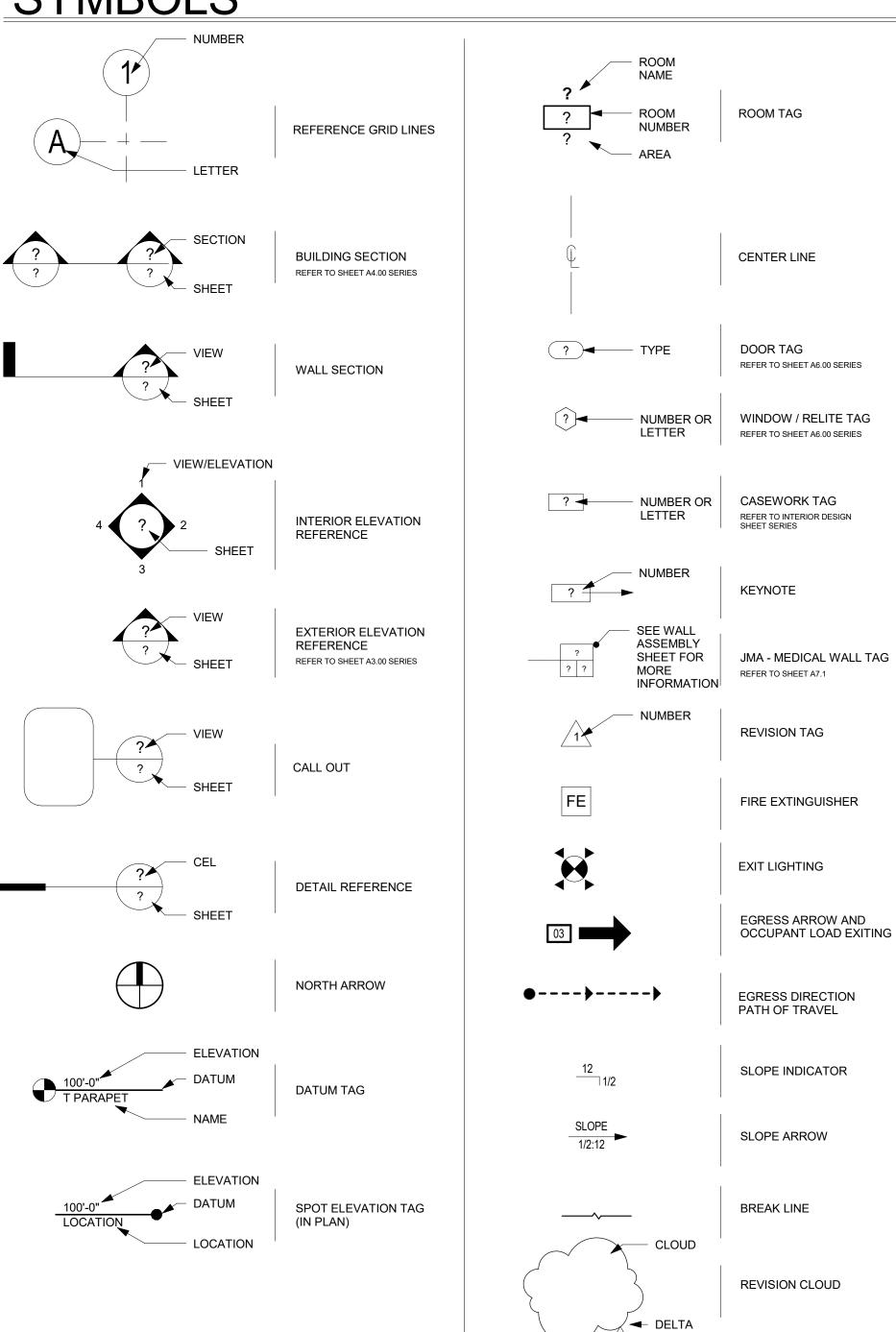
ARCHITECTURAL ABBREVIATIONS

ARC	THECHURAL A	DDK	EVIA HONS
	ABBREVIATIONS MAY BE USED, ABBREVIATIONS MAY BE USE ANCHOR BOLT	ED IN CONJUNCT JAN	ION WITH EACH OTHER. JANITOR
ABV	ABOVE	JC	JANITOR'S CLOSET
ADA	AIR CONDITIONING AMERICANS WITH DISABILITIES ACT	JCT JST	JUNCTION JOIST
ADDL ADJ	ADDITIONAL ADJUST(ABLE)	JT	JOINT
\FF	ABOVE FINISHED FLOOR AGGREGATE	KD KIT	KNOCK DOWN KITCHEN
AHJ AIA	AUTHORITIES(ITY) HAVING JURISDICTION AMERICAN INSTITUTE OF ARCHITECTS	KP KO	KICKPLATE KNOCK OUT
ALT	ALTERNATE or ALTERNATIVE		
ANOD	ALUMINUM ANODIZED	LAM LAV	LAMINATE(D) LAVATORY
NSI NSTITUTE	AMERICAN NATIONAL STANDARDS	LOC LIDA	LIMITS OF CONSTRUCTION VEGETATIVE SWALE
NOR NP	ARCHITECT OF RECORD ACCESS PANEL	MAINT	MAINTENANCE
ARCH	ARCHITECT ASSOCIATION(S)	MANF MATL	MANUFACTURE(R) or (D) MATERIAL
ASPH	ASPHALT	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MBX MDF	MAILBOX MEDIUM DENSITY FIBERBOARD
XON	AXONOMETRIC	MECH MEMB	MECHANIC(AL) MEMBRANE
BATT BD	BATT INSULATION BOARD	MEP MIN	MECHANICAL, ELECTRICAL, & PLUMBING MINIMUM or MINUTE
BLDG BLK	BUILDING BLOCK	MISC MR	MISCELLANEOUS MOISTURE RESISTANT
BLKG	BLOCKING	MRGB	MOISTURE RESISTANT GYPSUM BOARD
BM BMU	BEAM or BENCH MARK BRICK MASONRY UNIT	MTD MTL	MOUNTED METAL
BO BP	BOTTOM OF BUILDING PAPER	MULL	MULLION
	BRICK BACK TO BACK	(N) N	NEW NORTH
BTWN	BETWEEN BACK OF WALK or BOTTOM WIDTH	N/A NIC	NOT APPLICABLE or NOT AVAILABLE NOT IN CONTRACT
BUR	BUILT UP ROOF	NOM	NOMINAL
BYD	BEYOND	NTP NTS	NOTICE TO PROCEED NOT TO SCALE
CAB CB	CABINET CATCH BASIN	OC	ON CENTER
CG CJ	CORNER GUARD CONTROL JOINT	OD	OUTSIDE DIAMETER or OUTSIDE DIMENSION
CL	CENTER LINE or CHAIN LINK	OFCI	OWNER FURNISHED, CONTRACTOR
CLG CLO	CEILING CLOSET	OFOI	INSTALLED OWNER FURNISHED, OWNER INSTALLED
CLR CMU	CLEAR(ANCE) CONCRETE MASONRY UNIT	OPP OPT	OPPOSITE OPTION(AL)
COL	CLEAN OUT COLUMN	ORIG OSCP	ORIGINAL OWNER SELECTED, CONTRACTOR
CONC	CONCRETE	OTS	PROVIDED OPEN TO STRUCTURE
CONT	CONDITION(AL) CONTINUE(UOUS)	OVHD	OVERHEAD
CSMT CSWK	CASEMENT CASEWORK	Р	PAINT(ED)
CTR CW	CENTER COLD WATER	PANL PC	PANEL PORTLAND CEMENT or PRECAST
DBL	DOUBLE	PED	CONCRETE PEDESTRIAN
DEMO	DEMOLISH(ED) or DEMOLITION	PEN	PENETRATION
DEPT DIA	DEPARTMENT DIAMETER	PERF PERIM	PERFORATE(D) PERIMETER
DIM DISP	DIMENSION DISPENSER or DISPOSAL	PKG PL	PARKING or PACKAGE PROPERTY LINE or PLATE
	DOWN DOOR	PLAM PLWD	PLASTIC LAMINATE PLYWOOD
OS OTL	DOWNSPOUT DETAIL	POC PR	POINT OF CONNECTION PAIR
)W	DISHWASHER	PRE-FIN	PRE-FINISHED
DWG(S)	DRAWING(S)	PRCST PROP	PRECAST PROPERTY
E)	EXISTING EAST	PT PUD	PRESSURE TREATED PLANNED URBAN DEVELOPMENT
A J	EACH EXPANSION JOINT	QA	QUALITY ASSURANCE
LEC	ELECTRIC(AL)	QC QTY	QUALITY CONTROL
MER	ELEVATOR EMERGENCY		QUANTITY
ENCL ENGR	ENCLOSURE ENGINEER	RCP RD	REFLECTED CEILING PLAN ROOF DRAIN
OR PDM	ENGINEER OF RECORD ETHYLENE PROPYLENE DIENE MONOMER	RECT REF	RECTANGULAR REFERENCE or REFER TO
PX Q	EPOXY (PAINT) EQUAL	REFR REINF	REFRIGERATOR REINFORCE(D) or (ING)
QP	EQUIPMENT	RELOC	RELOCATE(D) or (TION)
ETC EXT	ET CETERA EXTERIOR	REM REPL	REMOVAL or REMARK REPLACE
F)	FUTURE	REQD RES	REQUIRED RESIDENCE or (TIAL)
C	FIBER CEMENT FIRE EXTINGUISHER & BRACKET	RET RETW	RETENTION or RETURN RETAINING WALL
	FIRE EXTINGUISHER CABINET FINISHED FLOOR	REV RM	REVISE(D) or (ION) ROOM
FE	FINISHED FLOOR ELEVATION	RND	ROUND
LR	FINISH(ED) FLOOR(ING)	RO ROW	ROUGH OPENING RIGHT OF WAY
ND O	FOUND(ATION) FACE OF	RP RSF	REFERENCE POINT RESURFACE
	FACE OF CONCRETE FACE OF FINISH	RSVR	RESERVOIR
OM	FACE OF MASONRY FACE OF STUD or FACE OF STEEL	S SAM	SOUTH
OW	FACE OF WALL	SAN	SELF ADHERING MEMBRANE SANITARY
RM T	FRAME (D) FOOT or FEET	SC SCHED	SOLID CORE SCHEDULE
URN URR	FURNISH FURRING	SECT SF	SECTION SQUARE FEET (FOOT)
SA.	GAUGE or GYPSUM ASSOCIATION	SIM SMACNA	SIMILAR SHEET METAL & AIR CONDITIONING
SALV	GALVANIZED		CONTRACTOR'S NATIONAL ASSOCIATION
SAR SB	GARAGE GRAB BAR	SP SPEC	STANDPIPE SPECIFICATION(S)
GD GR	GRID LINE GRADE	SQ SS	SQUARE STAINLESS STEEL
SYP SYP BD	GYPSUM GYPSUM BOARD	STC STD	SOUND TRANSMISSION CLASSIFICATION STANDARD
GYP CEM GYP SH	GYPSUM CEMENT GYPSUM SHEATHING	STOR STRUC	STORAGE STRUCTURE, (AL)
		SUB	SUBSTITUTION
IDRL	HOSE BIB HANDRAIL	SUPP	SUPPLEMENT OR SUPPLY(IER) SURFACE
IDW IM	HARDWARE HOLLOW METAL	SUSP SWK	SUSPENDED SIDEWALK
łR	HOUR HEIGHT	SYM	SYMBOL OR SYMMETRICAL
IVAC	HEIGHT HEATING, VENTILATING, AIR CONDITIONING	T	TREAD
ВС	INTERNATIONAL BUILDING CODE	T&B T&G	TOP AND BOTTOM TONGUE AND GROOVE
CC FC	INTERNATIONAL CODE COUNCIL INTERNATIONAL FIRE CODE	T&M TEMP	TIME AND MATERIALS TEMPORARY or TEMPERATURE
MC PC	INTERNATIONAL MECHANICAL CODE INTERNATIONAL PLUMBING CODE	THK TM	THICK(NESS) TO MATCH
N	INCH	TO	TOP OF
NCL NSUL	INCLUDE(D) or (ING) INSULATE(D) or INSULATION	TOC TRANS	TOP OF CURB TRANSFORMER

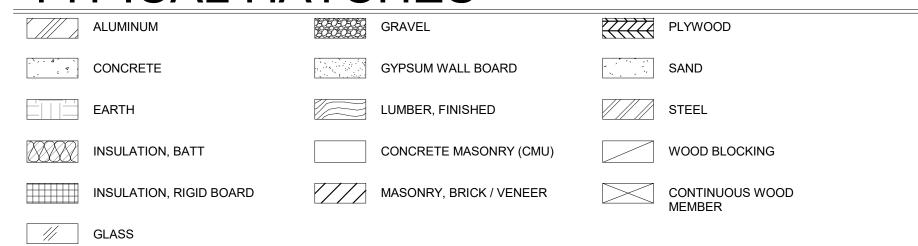
UNIFORM FIRE CODE UNDERWRITERS LABORATORIES UNF UNTR UNFINISHED UNTREATED UON UOS UNLESS OTHERWISE NOTED UNDERSIDE OF STRUCTURE UNINTERRUPTED POWER SUPPLY UNITED STATES POSTAL SERVICE UTILITIES UNIT VENTILATOR or ULTRA VIOLET VENT or VOLTS **VAPOR BARRIER VOLUME DAMPER VALUE ENGINEERING** VALUE ENGINEERING CHANGE PROPOSAL VERTICAL PANEL VERTICAL VERTICAL GRAIN or VARIABLE GRADE VERIFY IN FIELD VOLUME VARIABLE WIDTH WEST or WIDTH or WIDE WATER CLOSET WALL CLEANOUT WIDE FLANGE WIRE GLASS WATER HEATER WITHOUT WALK OFF MAT WATERPROOF(ING) WATERPROOFING MEMBRANE WEATHER RESISTANT BARRIER WATERSTOP or WAINSCOT WELDED WIRE FABRIC YARD(S)

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



ANNOTATION LINE TYPES

 CENTER LINE
 GRIDLINE
 BREAK LINE
 DETAILS OR ENLARGED ITEM

JACKSON | MAIN

ARCHITECTURE

311 FIRST AVENUE SOUTH SEATTLE, WA 98104

WWW.JACKSONMAIN.COM

City of Kirkland

11/10/2016

FOR

CLINIC

KIRKLAND

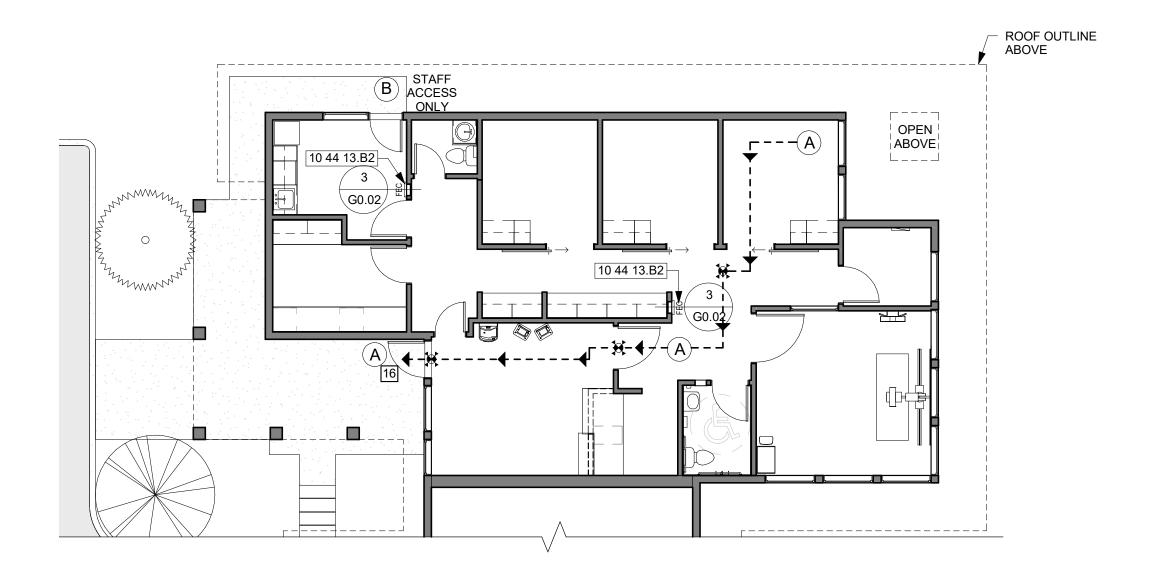
Reviewed by R Braun

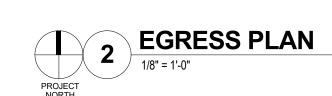
PROJECT NO. PROJECT MGR DRAWN BY:

GENERAL NOTES, **LEGENDS AND ABBREVIATIONS**

CHECKED BY:

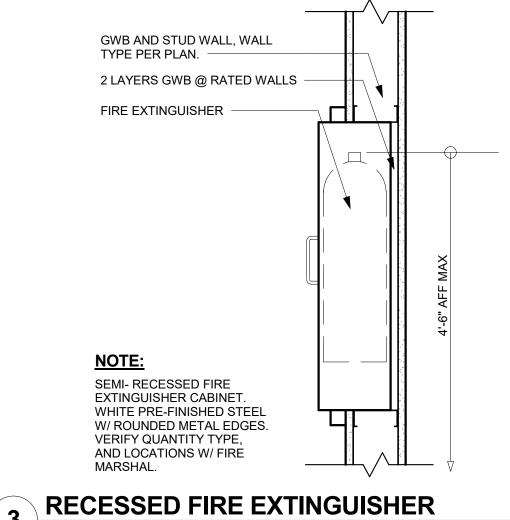
OCCUPANCY LOAD/EXIT DOOR SEPARATION PLAN





TOTAL SUITE AREA									
AREA	OCCUPANCY TYPE	OLF	OCUPANCY LOAD						
4F OF	D	100	16						
,	AREA		AREA OCCUPANCY TYPE OLF						

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



SHEETNOTES:

CODE NOTES:

1. 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

EXIT COMPONENTS NOTES:

1. 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 EMERGENCÝ EXIT ILLUMINATION AND SIGNAGE AS REQUIRED BY

- PREVAILING LOCAL JURISDICTION, BUILDING CODE, NFDA, OR NFPA (CURRENT EDITION). PROVIDÉ 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
- STAIRWAY, EXIT PASSAGEWAY, AND EXIT DISCHARGE AS REQUIRED BY CODE. COORDINATE ALL ELECTRICAL WORK, INCLUDING EXIT SIGNS AND EMERGENCY LIGHTING WITH ELECTRICAL ENGINEER.

PROVIDE TACTILE EXIT SIGNAGE AT EACH EXIT DOOR TO AN EGRESS

LIFE SAFETY LEGEND:

EXIT SIGN

FIRE EXTINGUISHER CABINET

FIRE ALARM CONTROL PANEL

OCUPANCY LOAD

KNOX BOX

JACKSON | MAIN ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104

t 206.324.4800

WWW.JACKSONMAIN.COM

City of Kirkland **Reviewed by R Braun**

FOR

CLINIC

KEYNOTES:

KEYNOTE LEGEND

Key ValueKeynote Text10 44 13.B2Semi-Recessed Fire Extinguisher Cabinet Coordinate With Fire Marshal



PROJECT NO .: PROJECT MGR.: DRAWN BY: CHECKED BY:

> EGRESS & LIFE SAFETY PLANS

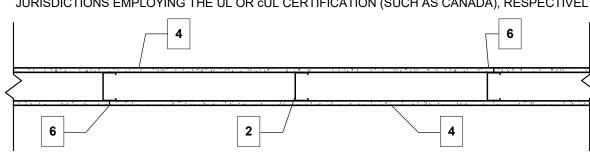
DESIGN NO. U432

BEARING WALL RATING - 1 HR (SEE ITEM 2

NON BEARING RATING - 1 HR (SEE ITEM 2)

THIS DESIGN WAS EVALUATED USING A LOAD DESIGN METHOD OTHER THAN THE LIMIT STATES DESIGN METHOD (e.g., WORKING STRESS DESIGN METHOD). FOR JURISDICTIONS EMPLOYING THE LIMIT STATES DESIGN METHOD, SUCH AS CANADA, A LOAD RESTRICTION FACTOR SHALL BE USED - SEE GUIDE BXUV OR BXUV7

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR \mathtt{cUL} CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.



1. FLOOR AND CEILING RUNNERS - (NOT SHOWN) - CHANNEL SHAPPED, FABRICATED FROM MIN 0.0329" THICK, BARE METAL THICKNESS (NO. 20 MSG) CORROSION-PROTECTED STEEL, THAT PROVIDES A SOUND STRUCTURAL CONNECTION BETWEEN STEEL STUDS AND ADJACENT ASSEMBLIES SUCH AS FLOORS, CEILINGS AND/OR OTHER WALLS. ATTACHED TO FLOOR AND CEILING ASSEMBLIES WITH STEEL FASTENERS SPACED NOT GREATER THAN 24" OC.

2. STEEL STUDS - MIN 0.0329" THICK, BARE METAL THICKNESS (NO. 20 MSG) CORROSION-PROTECTED STEEL STUDS. MIN 3-1/2" WIDE. COLD FORMED. DESIGNED IN ACCORDANCE WITH THE CURRENT EDITION OF THE SPECIFICATION FOR THE DESIGN OF COLD-FORMEDSTEEL STRUCTERAL MEMBERS BY THE AMERICAN IRON AND STEEL INSTITUTE (AISI). ALL DESIGN DETAILS ENHANCING THE STRUCTURAL INTEGRITY OF THE WALL ASSEMBLY, INCLUDING THE AXIAL DESIGN LOAD OF THE STUDS. SHALL BE AS SPECIFIED BY THE STEEL STUD DESIGNER AND/OR PRODUCER, AND SHALL MEET THE REQUIREMENTS OF ALL THE APPLICABLE LOCAL CODE AGENCIES. THE MAX STUD SPACING SHALL NOT EXCEED 24" OC. STUDS ATTACHED TO FLOOR AND CEILING RUNNERS WITH 1/2" LONG TYPE S-12 STEEL SCREWS ON BOTH SIDES OF THE STUDS OR BY WELDED OR BOLTED CONNECTIONS DESIGNED IN ACCORDANCE WITH THE AISI 2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER SPECIFICATIONS (BEARING WALLS). STUD TO BE CUT 1/2" TO 3/4" LESS THAN ASSEMBLY HEIGHT CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE AND FRICTION-FITTED INTO FLOOR AND CEILING RUNNERS (NON-BEARING WALLS).

3. LATERAL SUPPORT MEMBERS - (NOT SHOWN) - WHERE REQUIRED FOR LATERAL SUPPORT OF STUDS, SUPPORT SHALL BE PROVIDED BY MEANS OF STEEL STRAPS, CHANELS OR OTHER SIMILAR MEANS AS SPECIFIED IN THE DESIGN OF A PARTICULAR STEEL STUD WALL SYSTEM.

4. GYPSUM BOARD* - NOM 5/8" THICK, 24" TO 54" WIDE GYPSUM PANELS, ATTACHED VERTICALLY OR HORIZONTALLY WITH 1-1/4" LONG TYPE S-12 STEEL SCREWS. WHEN APPLIED VERTICALLY TO B. IRON PIPE - NOM 24" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST STUDS, JOINTS CENTEREDOVERR STUDS AND STAGGERED ON STUD CAVITY ON OPPISITE SIDES IRONSOIL PIPE, NOM 12" DIAMETER (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON OF STUDS AND ATTACHED WITH SCREWS SPACED 8" OC ALONG THE EDGES AND 12" OC IN THE FIELD. WHEN APPLIED HORIZONTALLY TO STUDS. NO DISTANCE REQUIREMENT ON JOINTS ON OPPISITE SIDES OF STUDS AND ATTACHED WITH SCREWS SPACED 8" IN OC ALONG THE EDGE AND IN THE FIELD. WHEN USED IN WIDTHS OTHER THAN 48", GYPSUM PANELS TO BE INSTALLED HORIZONTALLY.

UNITED STATES GYPSUM CO - TYPE FRX-G.

5. BATTS AND BLANKETS* - (OPTIONAL, NOT SHOWN) - PLACED IN STUD CAVITIES, ANY GLASS FIBER OR MINERAL WOOL INSULATIONBEARING THE UL CLASSIFICATION MARKING AS TO SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE. SEE BATTS AND BLANKETS (BKNV OR BZJZ) CATEGORIES FOR NAMES OF CLASSIFIED COMPANIES

6. JOINT TAPE AND COMPOUND - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS. PAPER TAPE, NOM. 2" WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINT. PAPER MAY BE OMMITED WHEN GYPSUM BOARDS ARE

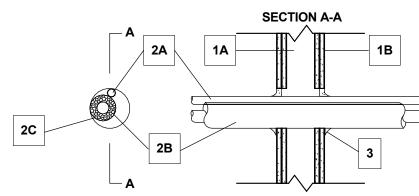
7. CAULKING AND SEALANTS* - (OPTIONAL, NOT SHOWN) - A BEAD OF ACOUSTICAL SEALANT APPLIED ARROUND THE PARTITION PERIMETER FOR SOUND CONTROL.

UNITED STATES GYPSUM CO - TYPE AS

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

SYSTEM NO. W-L-8018

T RATINGS - 0 AND 3/4 HR (SEE ITEM 1)



1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U400 OR V400 SERIES WALL AND PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" OC. WITH NOM 2" BY 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 2-1/2" STEEL CHANNEL STUDS SPACED MAX 24" OC.

B. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAMETER OF OPENING IS 4".

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS 0 AND 3/4 HR FOR 1 AND 2 HR FIRE RATED ASSEMBLIES, RESPECTIVELY.

2. THROUGH PENETRANTS - PENETRANTS TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PENETRANTS SHALL BE MIN 0" (POINT CONTACT) TO MAX 1-1/2". THE ANNULAR SPACE BETWEEN PENETRANTS AND PERIPHERY OF OPENING SHALL BE MIN 0" (POINT CONTACT) TO MAX 1-1/4". PENETRANTS TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF PENETRANTS MAY BE USED:

A. METALLIC PIPES - MAX 2 METALLIC PIPES OR TUBING. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR TUBING MAY BE USED.

A1. COPPER TUBING - NOM 1" DIAMETER (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.

A2. COPPER PIPE - NOM 1" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE. B. **TUBE INSULATION* - PLASTICS+** - NOM 3/4"THICK ACRYLONITRILE BUTADIENE/POLYVINYL

CHLORIDE (AB/PVC) FLEXIBLE FOAM FURNISHED IN THE FORM OF TUBING. TUBE INSULATION REQUIRED FOR ALL COPPER TUBES AND PIPES GREATER THAN NOM 3/4" DIAMETER. SEE **PLASTICS** (QMFZ2) CATEGORY IN THE RECOGNIZED COMPONENT DIRECTORY FOR NAMES OF MANUFACTURERS. ANY RECOGNIZED COMPONENT TUBE INSULATION MATERIAL MEETING

THE ABOVE SPECIFICATIONS AND HAVING A UL94 FLAMMABILITY CLASSIFICATION OF 94-5VA C. CABLES - MAX ONE 2/C NO. 18 AWG (OR SMALLER) CONTROL CABLE WITH POLYVINYL

CHLORIDE (PVC) INSULATION AND JACKET. CABLE TO BE RIGIDLY SUPPORTED ON BOTH

3. FILL, VOID OR CAVITY MATERIALS* - CAULK, PUTTY OR SEALANT - MIN 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF THE WALL. MIN 1/2" DIAMETER BEAD OF FILL MATERIAL APPLIED TO THE GYPSUM BOARD/PENETRANT INTERFACE AT POINT CONTACT LOCATION ON BOTH SURFACES OF WALL.

3M COMPANY - MP+ STIX PUTTY, CP 25WB+, IC 15WB+ CAULK OR FB-3000 WT SEALANT

+ BEARING THE UL RECOGNIZED COMPONENT MARK * BEARING THE UL CLASSIFICATION MARKING

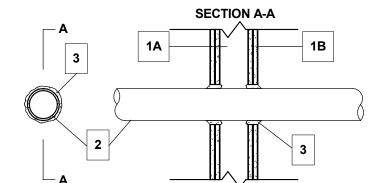
SYSTEM NO. W-L-1001

F RATINGS - 1.2.3 AND 4 HR (SEE ITEMS 2 AND 3)

T RATINGS - 0,1,2,3 AND 4 HR (SEE ITEM 3)

L RATING AT 400 F - LESS THAN 1 CFM/SQ FT

L RATING AT AMBIENT - LESS THAN 1 CFM/SQ FT



1. WALL ASSEMBLY - THE 1,2,3 OR 4 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 HR FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" OC. WITH NOM 2" BY 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8" WIDE BY 1-3/8" DEEP CHANNELS SPACED MAX 24" OC.

B. GYPSUM BOARD* - NOM 1/2" OR 5/8" THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 26".

BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN 0" (POINT CONTACT) TO MAX 2". PIPE CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES. OF THE FLOOR ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

A. STEEL PIPE - NOM 24" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

C. CONDUIT - NOM 6" DIAMETER (OR SMALLER) STEEL CONDUIT OR NOM 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.

D. COPPER TUBING - NOM 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

F. THROUGH PENETRATING PRODUCT* - FLEXIBLE METAL PIPING THE FOLLOWING TYPES OF STEEL FLEXIBLE METAL GAS PIPING MAY BE USED:

E. COPPER PIPE - NOM 6" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

1. NOM 2" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.

2. NOM 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. **GASTITE, DIV OF TITEFLEX**

3. NOM 1" DIAMETER (OR SMALLER) STEEL FLEXIBLE METAL GAS PIPING. PLASTIC COVERING ON PIPING MAY OR MAY NOT BE REMOVED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. WARD MFG LLC

B. FILL. VOID. CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8". 1-1/4". 1-7/8" AND 2-1/2" THICKNESS OF CAULK FOR 1,2,3 AND 4 FR RATED ASSEMBLIES, RESPECTIVELY, APPLIED WITHIN ANNULUS. FLUSH WITH BOTH SURFACES OF WALL. MIN 1/4" DIAMETER BEAD OF CAULK SIDES OF WALL. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING ON THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE T RATING ON THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED AS TABULATED BELOW

MAX PIPE OR CONDUIT DIAMETER	F RATING HR	T RATING HR
1"	1 OR 2	0+, 1 OR 2
"	3 OR 4	3 OR 4
4"	1 OR 2	0
6"	3 OR 4	0
12"	1 OR 2	0

+ WHEN COPPER PIPE IS USED, T RATING IS 0 HR

3M COMPANY - CP 25WB+ OR FB-3000 WT.

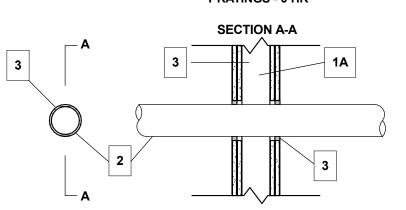
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY

SYSTEM NO. W-L-7045

JULY 26, 2007

F RATINGS - 1 AND 2 HR (SEE ITEM 1)

T RATINGS - 0 HR



1. WALL ASSEMBLY - THE 1 HR AND 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.

A. STUDS - WALL FRAMING SHALL CONSIST OF MIN 3-1/2 IN. WIDE STEEL CHANNEL STUDS SPACED MAX 24 IN. ON CENTER. WHEN DIAM OF OPENING EXCEEDS WIDTH OF STUD CAVITY, ADDITIONAL LENGTHS OF STEEL STUD INSTALLED TO FRAME OUT OPENING AROUND STEEL DUCT (ITEM 2).

B. GYPSUM BOARD* - MIN. 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 25-1/2 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. STEEL DUCT - MAX. 24 IN. DIAMETER NO. 24 GAUGE (OR HEAVIER) SPIRAL WOUND STEEL DUCT TO BE INSTALLED CONCENTRICALLY WITH A 3/4 IN. ANNULAR SPACE. DUCT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.

3. FILL, VOID OR CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL ASSEMBLY 3M COMPANY - CP 25WB+ OR FB-3000 WT

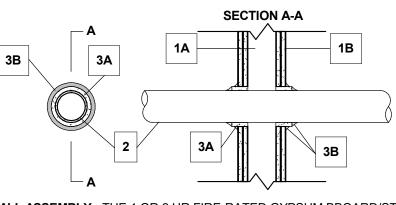
*INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA),

SYSTEM NO. W-L-2003

F RATINGS - 1 AND 2 HR (SEE ITEM 3

T RATINGS - 1 AND 2 HR (SEE ITEM 3)

L RATING AT AMBIENT - 7CFM/SQ FT (SEE ITEM 3B) L RATING AT 400 F - LESS THAN 1 CFM/SQ FT (SEE ITEM 3B)



1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300, U400 OR V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" OC. WITH NOM 2" BY 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO 3/8" DEEP CHANNELS SPACED MAX 24" OC.

B. GYPSUM BOARD* - 5/8" THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300, U400 OR V400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 3-1/8".

2. THROUGH PENETRANTS - ONE NONMETALLIC PIPE OR CONDUIT TO BE CENTERED IN THE THROUGH OPENING. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 1/4" AND MAX 3/8". PIPE OR CONDUIT TO BE SUPPORTED ON BOTH SIDES OF THE FLOOR -CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF NONMETALLIC PIPES OR CONDUITS MAY BE USED:

CORE PVC PIPE FOR USE IN CLOSED (PROCESSOR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEM. B. RIGID NONMETALLIC CONDUIT++ - NOM 2" DIAMETER (OR SMALLER)(SCHEDULE 40 OR 80)

A. POLYVINYL CHLORIDE (PVC) PIPE - NOM 2" DIAMETER (OR SMALLER) SCHEDULE 40 SOLID

PVC CONDUIT INSTALLED IN ACCRODANCE WITH THE NATIONAL ELECTRIC CODE (NFPA NO

C. CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE - NOM 2" DIAMETER (OR SMALLER) SDR13.5 CPVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) PIPING SYSTEM.

D. CELLULAR CORE POLYVINYL CHLORIDE (ccPVC) PIPE - NOM 2" DIAMETER (OR SMALLER) SCHEDULE 40 CELLULAR CORE PVC PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS.

E. ACRYLONITRILE BUTADIENE STYRENE (ABS) PIPE - NOM 2" DIAMETER (OR SMALLER)

SCHEDULE 40 SOLID CORE ABS PIPE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED SHEATHED CABLE WITH PVC INSULATION AND JACKET MATERIALS. WHEN TYPE NM CABLE IS (DRAIN, WASTE OR VENT) PIPING SYSTEMS. F, CELLULAR CORE ACRYLONITRILE BUTADIENE STYRENE (ccABS) PIPE - NOM 2" DIAMTER (OR C. MULTIPLE FIBER OPTICAL COMMUNICATION CABLE JACKETED WITH PVC AND HAVING A MAX

SMALLER) SCHEDULE 40 CELLULAR CORE ABS PIPSE FOR USE IN CLOSED (PROCESS OR SUPPLY) OR VENTED (DRAIN, WASTE OR VENT) PIPING SYSTEMS. 3. FIRESTOP SYSTEM - INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY.

THE HOURLY F AND T RATINGS FOR THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS.

A. FILL, VOID OR CAVITY MATERIALS* - WRAP STRIP - NOM 1/4" THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL, SUPPLIED IN 2" WIDE STRIPS. NOM 2" WIDE STRIP TIGHTLY WRAPPED AROUND NONMETALLIC PIPE (FOIL SIDE OUT) WITH SEAM BUTTED. WRAP STRIP LAYER SECURELY BOUND WITH STEEL WIRE OR ALUMINUM FOIL TAPE AND SLID INTO ANNULAR SPACE APPROX 1-1/4" SUCH THAT APPROX 3/4" OF THE WRAP STRIP PROTRUDES FROM THE WALL SURFACE.

B. FILL, VOID, CAVITY MATERIALS* - CAULK, SEALANT OR PUTTY - MIN 5/8" THICKNESS OF CAULK OR PUTTY APPLIED INTO ANNULAR SPACE BETWEEN WRAP STRIP AND PERIPHERY OF OPENING. A NOM 1/4" DIAMETER BEAD OF CAULK OR PUTTY TO BE APPLIED TO THE WRAP STRIP/WALL INTERFACE AND TO THE EXPOSED EDGE OF THE WRAP STRIP LAYERS APPROX 3/4" FROM THE WALL SURFACE.

3M COMPANY - CP 25WB+ CAULK OR MP+ STIX PUTTY, IC 15WB+ CAULK, FIREDAM 150+ CAULK OR FB-3000 WT SEALANT. (NOTE: L RATINGS APPLY ONLY WHEN TYPE CP 25WB+ CAULK OR FB-3000 WT SEALANT IS USED. CP 25WB+ AND FIREDAM 150+ NOT SUITABLE FOR USE WITH CPVC PIPES.)

C. FOIL TAPE - (NOT SHOWN) - NOM 4" WIDE, 3 MIL THICK ALUMINUM TAPE WRAPPED AROUND PIPE PRIOR TO THE INSTALLATION OF THE WRAP STRIP (ITEM 3A). MIN OF ONE WRAP, FLUSH WITH BOTH SIDES OF THE WALL AND PRCEEDING OUTWARD. TAPE IS NOT REQUIRED FOR PIPES SHOWN IN ITEMS 2A, 2B AND 2C.

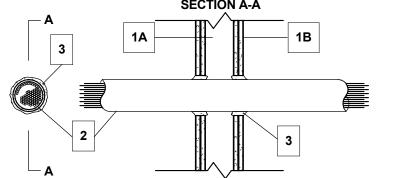
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA),

SYSTEM NO. W-L-3001

F RATINGS - 1 AND 2 HR (SEE ITEM 1)

L RATING AT AMBIENT - 15 CFM/SQ FT (SEE ITEM 3)

L RATING AT 400 F - LESS THAN 1 CFM/SQ FT (SEE ITEM 3



BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

WOOD STUDS TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" OC. WITH NOM 2" BY 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8" WIDE BY 1-3/8" DEEP CHANNELS SPACED MAX 24" OC.

DIAMETER OF CIRCULAR THROUGH OPENING TO BE 3/8" TO 5/8" LARGER THAN OUTSIDE DIAMETER OF CABLE OR CABLE BUNDLE. C. FASTENERS - WHEN WOOD STUD FRAMING IS EMPLOYED GYPSUM WALLBOARD LAYERS

PARTITION DESIGN. WHEN STEEL CHANNEL STUD FRAMING IS EMPLOYED, GYPSUM WALLBOARD ATTACHED TO STUDS WITH TYPE S SELF-DRILLING, SELF-TAPPING BUGLE-HEAD SCREWS AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED

OPENING WITH AN ANNULAR SPACE MIN 0" (POINT OF CONTACT) TO MAX 3/4". CABLE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF CABLES MAY BE USED:

2. CABLES - INDIVIDUAL CABLE OR MAX 1" DIAMETER CABLE BUNDLE INTALLED IN THROUGH

IS USED, T RATING IS 2 HR. WHEN 50 TO 150 PAIR TELEPHONE CABLE IS USED IN 1 HR FIRE RATED WALL, T RATING IS 1 HR. B. MAX NO.10 AWG MULTIPLE COPPER CONDUCTOR TYPE NM ("ROMEX") NONMETALLIC

OUTSIDE DIAMETER OF 5/8". WHEN FIBER OPTIC CABLE IS USED, MAX T RATING IS 2 HR.

E. MAX FOUR CONDUCTOR WITH GROUND NO. 2 AWG (OR SMALLER) ALUMINUM SER CABLES WITH POLYVINYL CHLORIDE INULATION AMID JACKET MATERIALS.

B. FILL. VOID. CAVITY MATERIAL* - CAULK, SEALANT OR PUTTY - CAULK OR PUTTY FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN CABLE AND GYPSUM WALLBOARD ON BOTH SIDES OF WALL AND WITH MIN 1/4" DIAMTER BEAD OF CAULK OR PUTTY APPLIED TO PERIMETER OF CABLE(S) AT ITS EGRESS FROM EACH SIDE OF THE WALL.

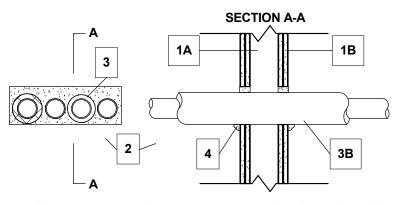
3M COMPANY - CP 25WB+ OR FB-3000 WT

JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION (SUCH AS CANADA), RESPECTIVELY.

SYSTEM NO. W-L-8010

F RATINGS - 1 AND 2 HR (SEE ITEM 1)

T RATINGS - 1/4, 3/4, 1, 1-1/2 AND 1-3/4 HR (SEE ITEMS 2 AND 3)



1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300, U400 OF V400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS.

WOOD STUDS TO CONSIST OF NOM 2" BY 4" LUMBER SPACED 16" OC. WITH NOM 2" BY 4" LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8" WIDE BY 1-3/8" DEEP CHANNELS SPACED MAX 24" OC.

PARTITION DESIGN. MAX AREA OF OPENING IS 65-1/4 SQ IN. WITH MAX DIMENSION OF 14-1/2". THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF

B. GYPSUM BOARD* - NOM 5/8" THICK GYPSUM BOARD, AS SPECIFIED IN THE INDIVIDUAL WALL AND

2. THROUGH PENETRANTS - A MAX OF FOUR PIPES. CONDUITS OR TUBING TO BE INSTALLED WITHIN THE OPENING. THE SPACE BETWEEN PIPES, CONDUITS OR TUBING SHALL BE MIN 1/2" TO MAX 1-5/16". THE SPACE BETWEEN PIPES, CONDUITS OR TUBING AND THE PERIPHERY OF OPENING SHALL BE MIN. 1-3/16" FOR UNINSULATED COPPER TUBES AND COPPER PIPES AND UNINSULATED STEEL PIPES AND CONDUIT. THE SPACE BETWEEN PIPES, CONDUITS OR TUBING AND PERIPHERY OF OPENING SHALL BE MAX 1-5/16". PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES. CONDUITS OR

A. STEEL PIPE - NOM 2" DIAMETER (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.

B. CONDUIT - NOM 2" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL

C. COPPER TUBING - NOM 2" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING. D. **COPPER PIPE** - NOM 2" DIAMETER (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

WHEN UNINSULATED STEEL PIPE OR CONDUIT IS USED, T RATING IS 3/4HR AND 1-1/2HR FOR 1 AND 2 HR RATED ASSEMBLIES, RESPECTIVELY.

WHEN UNINSULATED COPPER TUBING OR PIPE IS USED, T RATING IS 1/4 HR FOR BOTH 1 AND 2 HR RATED ASSEMBLIES.

3A. PIPE COVERING* - (OPTIONAL) - NOM 1" HOLLOW CYLINDRICAL HEAVY DENSITY (MIN 3.5 pcf OR 56kg/m3) GLASS FIBER UNITS JACKETED ON THE OUTSIDE WITH AN ALL SERVICE JACKET. LONGITUDINAL JOINTS SEALED WITH METAL FASTENERS OR FACTORY-APPLIED SELF-SEALING LAP TAPE. TRANSVERSE JOINTS SECURED WITH METAL FASTENERS OR WITH BUTT TAPE SUPPLIED WITH

SEE PIPE AND EQUIPMENT COVERING - MATERIALS (BRGU) CATEGORY IN THE BUILDING MATERIALS

DIRECTORY FOR NAMES OF MANUFACTURERS. ANY PIPE COVERING MATERIAL MEETING THE ABOVE SPECIFICATIONS AND BEARING THE UL CLASSIFICATION MARKING WITH A FLAME SPREAD INDEX OF 25 OR LESS AND A SMOKE DEVELOPED INDEX OF 50 OR LESS MAY BE USED. WHEN PIPE COVERING IS USED ON THE THROUGH PENETRANTS, T RATING IS 3/4 HR AND 1-1/2 HR

FOR 1 AND 2 HR FIRE RATED ASSEMBLIES, RESPECTIVELY. 3B. TUBE INSULATION - PLASTICS# - (OPTIONAL) - NOM 3/4"THICK ACRYLONITRILE

BUTADIENE/POLYVINYL CHLORIDE (AB/PVC) FLEXIBLE FOAM FURNISHED IN THE FORM OF TUBING. SEE PLASTICS (QMFZ2) CATEGORY IN THE RECOGNIZED COMPONENT DIRECTORY FOR NAMES OF MANUFACTURERS. ANY RECOGNIZED COMPONENT TUBE INSULATION MATERIAL MEETING THE ABOVE SPECIFICATIONS AND HAVING A UL94 FLAMMABILITY CLASSIFICATION OF 94-5VA MAY BE USED.

WHEN TUBE INSULATION IS USED ON ALL THROUGH PENETRANTS, T RATING IS 3/4 HR AND 1-1/2 HR FOR 1 AND 2 HR FIRE RATED ASSEMBLIES, RESPECTIVELY.

4. FILL, VOID, CAVITY MATERIAL* - CAULK OR SEALANT - MIN 5/8" OR 1-1/4" THICKNESS OF FILL MATERIAL, FOR 1 OR 2 HR WALL, RESPECTIVELY, APPLIED WITH THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATIONS, A MIN 1/2" DIAMETER BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE WALL/PIPE AND WALL/PIPE INSULATION INTERFACE ON BOTH SURFACES

3M COMPANY - CP 25WB+, IC 15WB+ CAULK OR FB-3000 WT SEALANT

5.FILL. VOID. CAVITY MATERIALS* - WRAP STRIP - (NOT SHOWN) - MIN ONE LAYER OF 2" WIDE. NOM 1/4" THICK INTUMESCENT ELASTOMERIC MATERIAL FACED ON ONE SIDE WITH ALUMINUM FOIL. REQUIRED ONLY WHEN TUBE INSULATION (ITEM 3B) IS USED IN 2HR RATED ASSEMBLIES. WRAP STRIF TIGHTLY AROUND TUBE INSULATION (FOIL SIDE EXPOSED) WITHIN THE OPENING ON BOTH SIDES OF THE WALL, FLUSH WITH BOTH SURFACES OF THE WALL ASSEMBLY.

3M COMPANY - FS-195+

THE WALL ASSEMBLY.

TUBING MAY BE USED:

BEARING THE UL RECOGNIZED COMPONENT MARK

* BEARING THE UL CLASSIFICATION MARKING

ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

0

AND

PROJECT NO .: 15174.02 PROJECT MGR.: DRAWN BY: CHECKED BY:

RESPECTIVELY.

T RATINGS - 3/4, 1, 1-1/2 AND 2 HR (SEE ITEM 2)

 WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS.

B. GYPSUM BOARD* - NOM 1/2" OR 5/8" THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL WALL OR PARTITION DESIGN.

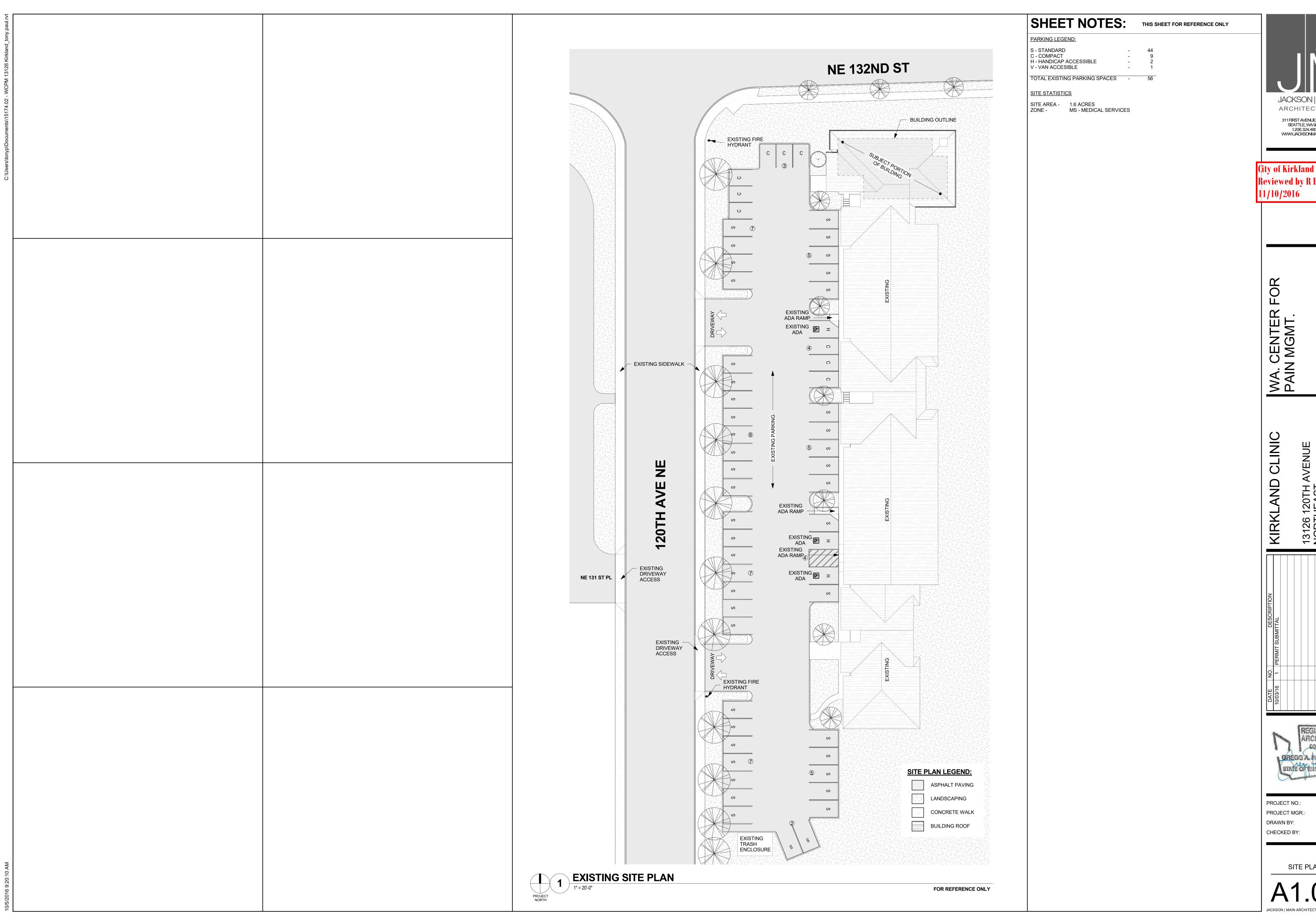
ATTACHED TO STUDS WITH CEMENT COATED NAILS AS SPECIFIED IN THE INDIVIDUAL WALL OR

A. MAX 150 PAIR NO. 24 AWG COOPER CONDUCTOR TELEPHONE CABLE WITH POLYVINYL CHLORIDE (PVC) INSULATION AND JACKET MATERIALS. WHEN MAX 25 PAIR TELEPHONE CABLE RATED WALL, T RATING IS 3/4 HR. WHEN 50 TO 150 PAIR TELEPHONE CABLE IS USED IN 2 HR FIRE

USED, MAX T RATING IS 1-1/2HR.

D. MAX 12 AWG MULTICONDUCTOR (MAX SEVEN CONDUCTORS) POWER/CONTROL CABLE WITH CROSS-LINKED POLYTHYLENE (XLPE) INSULATION AND XLPE OR PVC JACKET MATERIALS. WHEN MULTICONDUCTOR POWER/CONTROL CABLE IS USED, MAX T RATING IN 2 HR.

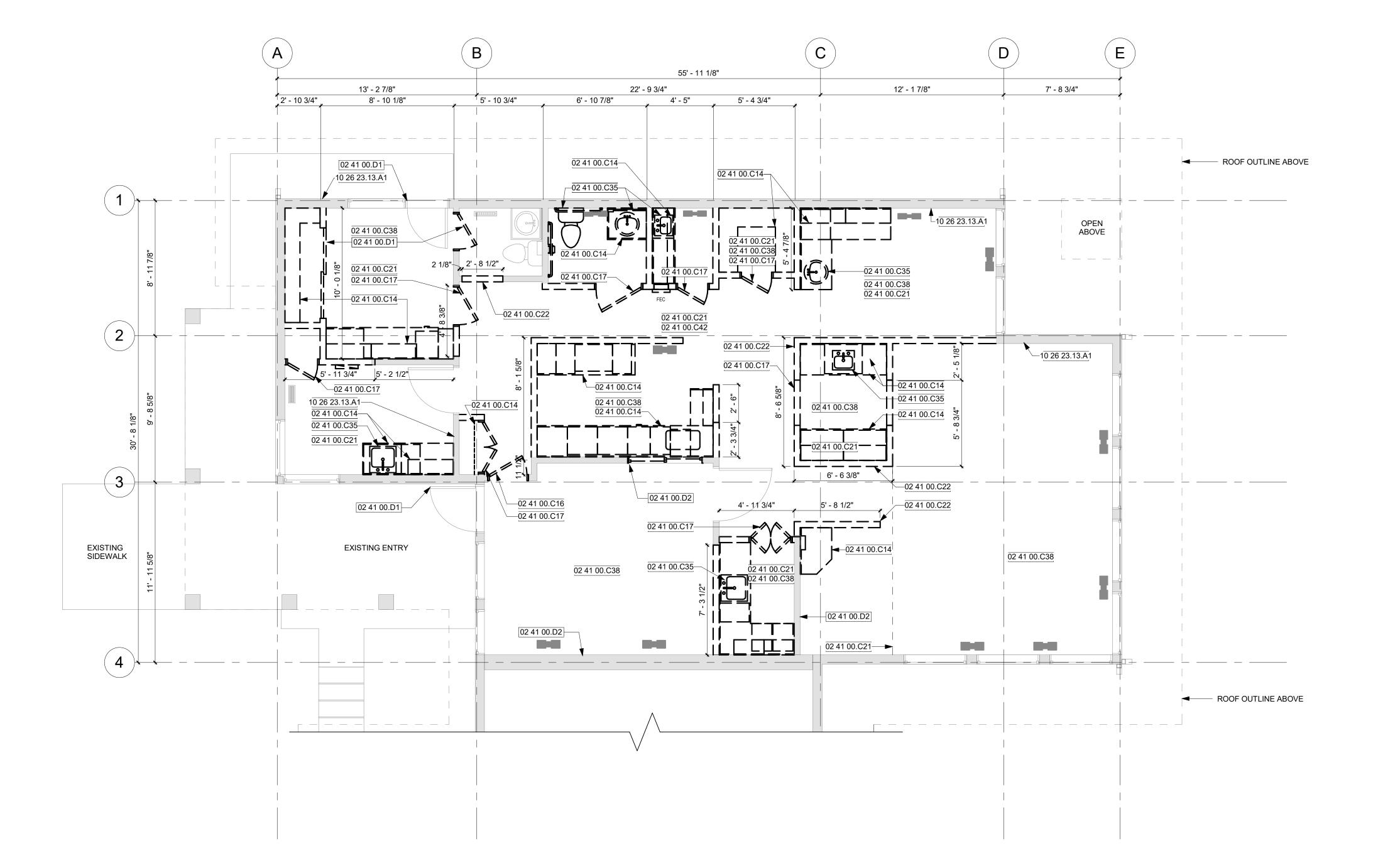
* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR



ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

Reviewed by R Braun

PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:



- ALL INFORMATION SHOWN ON THE DRAWINGS IS RELATIVE AND DOES NOT GUARANTEE ACCURACY, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING
- COMPLY WITH ALL RULES AND REGULATIONS OF THE GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER DEMOLITION WORK.
- INCLUDE COMPLETE REMOVAL AND DISPOSAL OF DEMOLISHED ITEMS. SALVAGE ITEMS WHERE APPROPRIATE, COORDINATED PICKUP OR STORAGE WITH
- COORDINATE WITH OWNER FOR SHUT-OFF, CAPPING, AND CONTINUATION OF UTILITY SERVICE AS REQUIRED.
- PROVIDE DEMOLITION TO THE EXTENT REQUIRED TO ACCOMPLISH NEW CONSTRUCTION. REFER TO ARCHITECTURAL (AND CONSULTANT, IF APPLICABLE) DRAWINGS.
- REMOVE THÉ 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.
- PROTECT STRUCTURAL ELEMENTS FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. PROVIDE SHORING/ BRACING AS NECESSARY TO MAINTAIN STRUCTURAL STABILITY DURING WORK. PROVIDE SHORING PLANS FOR 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.
- REMOVE EXISTING ELECTRICAL CONDUIT, WIRE EQUIPMENT, AND DATA CABLING WHERE INDICATED BY DRAWINGS OR MADE NECESSARY BY NEW
- NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND NEW CONSTRUCTION PRIOR TO PROCEEDING WITH THE
- REMOVE EXISTING FINISHES AS REQUIRED FOR NEW BUILD OUT. PREPARE WALLS AS REQUIRED FOR INSTALLATION OF NEW FINISH TREATMENT. SEE ARCHITECTURAL FINISH SCHEDULE. 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

TO BE DEMOLISHED _ _ _ _ _ _ _

JACKSON | MAIN ARCHITECTURE

311 FIRST AVENUE SOUTH

SEATTLE, WA 98104

t 206.324.4800

WWW.JACKSONMAIN.COM

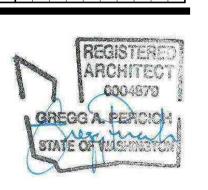
City of Kirkland Reviewed by R Braun

FOR

CLINIC

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



PROJECT NO.: PROJECT MGR. DRAWN BY: CHECKED BY:

DEMOLITION FLOOR PLAN

DEMOLITION FLOOR PLAN
1/4" = 1'-0"

RENOVATION NOTES:

- FIELD VERIFY CONDITIONS BEFORE COMMENCING WORK. FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01. 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. REFER TO SHEET A7.03 FOR FENESTRATION INFORMATION.
- REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENING SIZE. ALL DOORS ARE LOCATED 4" FROM WALL FINISH AT THE HINGE SIDE, UNLESS
- OTHERWISE NOTED. 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

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

JACKSON | MAIN

ARCHITECTURE

311 FIRST AVENUE SOUTH

SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

PLAN LEGEND:

(HALF TONE) EXISTING

NEW NON-RATED

THE SCHEDULED FLOORING MATERIAL.

WA. CENTER FOR PAIN MGMT.

CLINIC

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

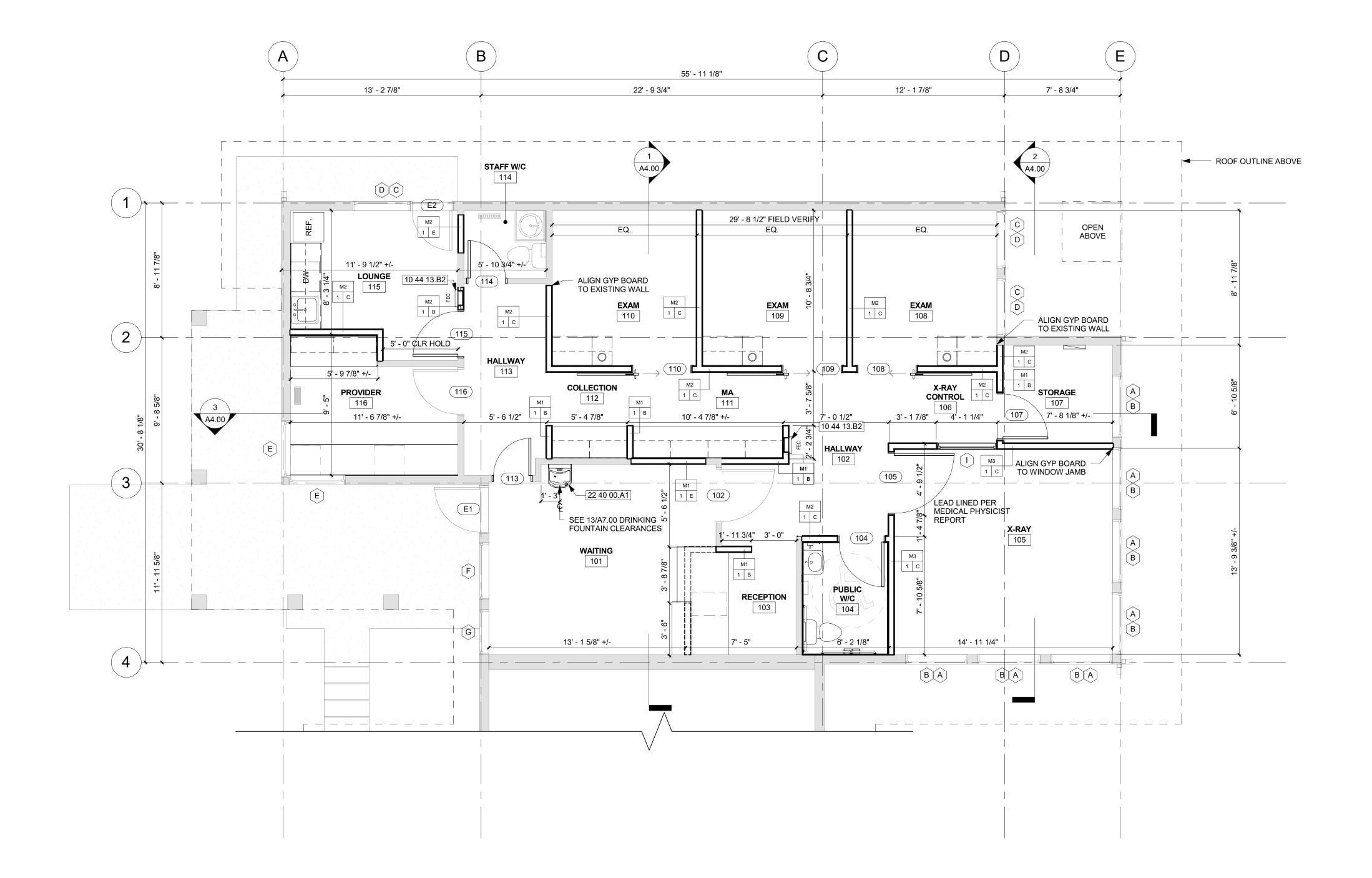


PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

BUILDING FLOOR PLAN

BUILDING FLOOR PLAN

1/4" = 1'-0"



RENOVATION NOTES:

FIELD VERIFY CONDITIONS BEFORE COMMENCING WORK. FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01.

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. REFER TO SHEET A7.03 FOR FENESTRATION INFORMATION. REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR

ACTUAL ROUGH OPENING SIZE.
ALL DOORS ARE LOCATED 4" FROM WALL FINISH AT THE HINGE SIDE, UNLESS

OTHERWISE NOTED. 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

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

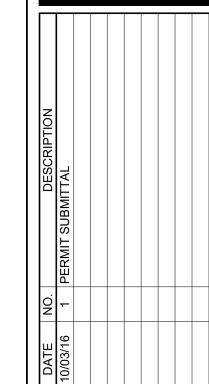
JACKSON | MAIN

ARCHITECTURE

311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

WA. CENTER FOR PAIN MGMT.

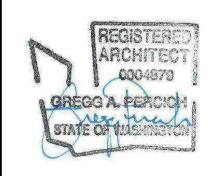
CLINIC



KEYNOTES:

KEYNOTE LEGEND

Key ValueKeynote Text10 44 13.B2Semi-Recessed Fire Extinguisher Cabinet Coordinate With Fire Marshal 22 40 00.A1 Drinking Fountain



PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

BUILDING FRAMING PLAN

BUILDING FRAMING PLAN

1/4" = 1'-0"

POWER AND COMMUNICATIONS NOTES:

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

POWER AND COMMUNICATIONS LEGEND:

POWER RECEPTACLE

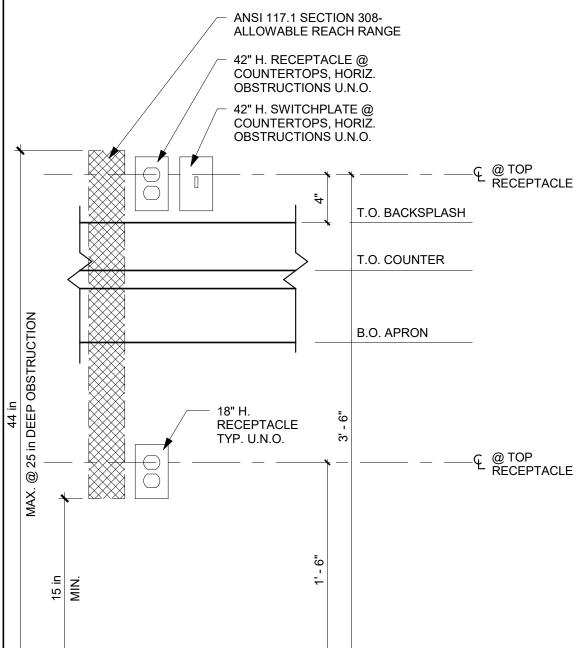
 $\mathbb{Q}_{\mathsf{GFCI}}$ GFCI RECEPTACLE

DOUBLE POWER RECEPTACLE

DATA

POWER PANEL

TELEPHONE



FIN. FLOOR

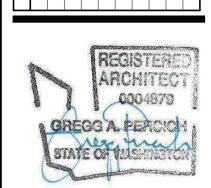
2 RECEPTACLE HEIGHTS
1 1/2" = 1'-0"

JACKSON | MAIN ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800 WWW.JACKSONMAIN.COM

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

WA. CENTER FOR PAIN MGMT.

CLINIC KIRKLAND



PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

POWER AND COMMUNICATIONS PLAN

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

SHEET NOTES:

REFLECTED CEILING PLAN NOTES:

- LIGHTING IS SHOWN FOR REFERENCE ONLY / DESIGN INTENT, COORDINATE LIGHTING LOCATIONS WITH MECHANICAL LAYOUT, REFERENCE ELECTRICAL
- 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 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
- ALL WALLS EXTEND TO UNDERSIDE OF STRUCTURE, UNLESS OTHERWISE
- PRIOR TO ORDERING OR INSTALLING, ALL EXITING SIGNAGE LOCATIONS AND QUANTITIES TO BE APPROVED BY LOCAL FIRE MARSHAL, VERIFY WITH 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

JACKSON | MAIN ARCHITECTURE 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 t 206.324.4800

WWW.JACKSONMAIN.COM

City of Kirkland Reviewed by R Braun

FOR

CLINIC



PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

REFLECTED CEILING PLAN

B (C) - EXISTING GUTTER - EXISTING DOWNSPOUT - EXISTING GUTTER EXISTINGDOWNSPOUT BUILDING OUTLINE OPEN TO BELOW - EXISTING DOWNSPOUT 2 EXISTING 5:12 EXISTING 5:12 EXISTING - BUILDING OUTLINE EXISTING DOWNSPOUT EXISTING BUILDING ROOF PLAN

1/4" = 1'-0" NOTE:
THIS ROOF PLAN IS FOR REFERENCE ONLY.
FIELD VERIFY ALL CONDITIONS PRIOR TO CONSTRUCTION.

SHEET NOTES:

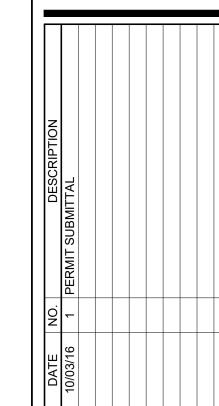


City of Kirkland Reviewed by R Braun 11/10/2016

> 0 R

WA. CENTER FOR PAIN MGMT.

KIRKLAND CLINIC
13126 120TH AVENUE



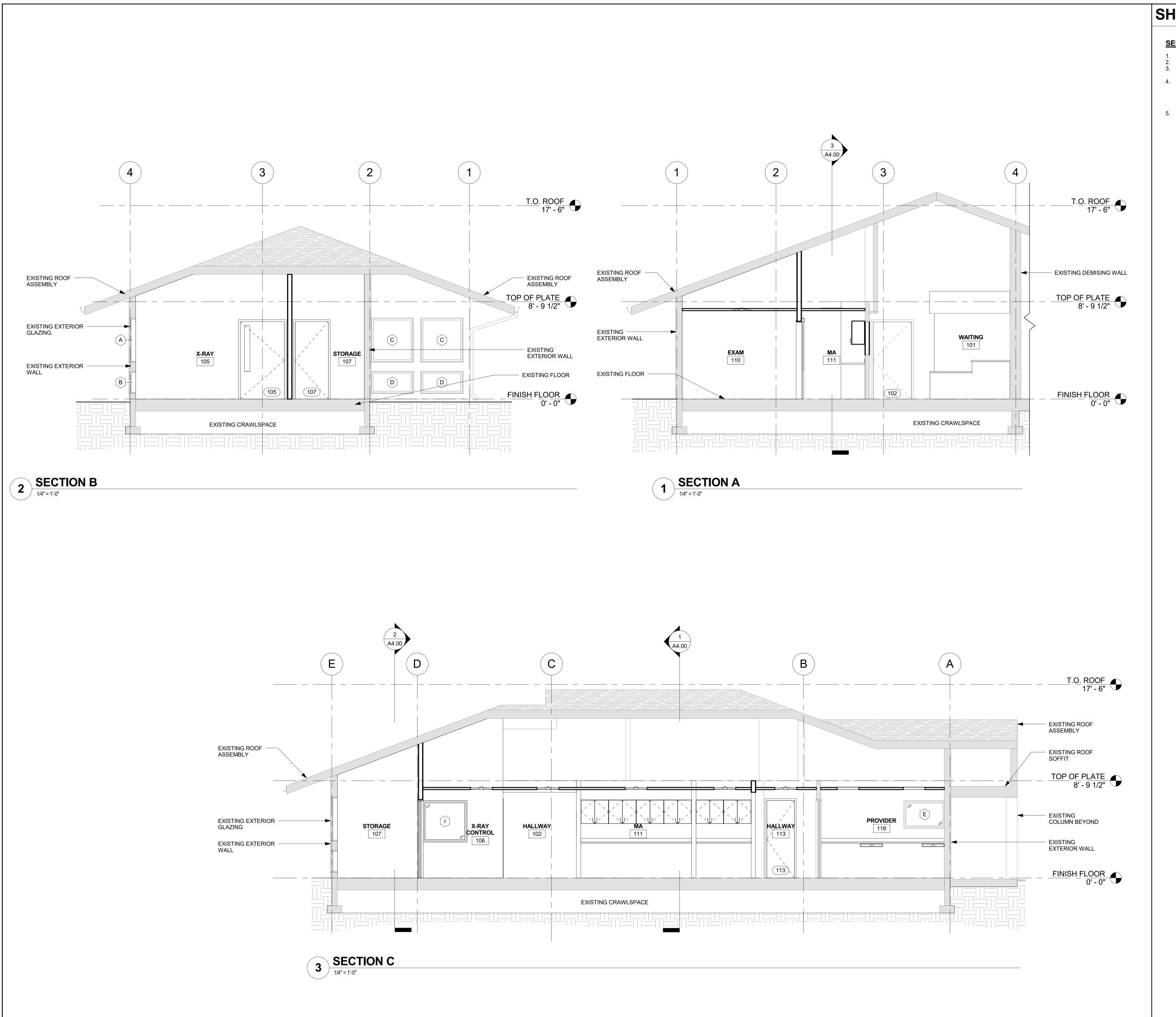


PROJECT NO.: 151
PROJECT MGR.:
DRAWN BY:

CHECKED BY:

EXISTING BUILDING ROOF PLAN

A2.05



SECTION NOTES:

FOR SPECIFIC WALL ASSEMBLY INFORMATION, SEE SHEET A7.01. INSTALL ALL FINISHES PER MANUFACTURER'S INSTRUCTIONS.

ALL FLOORING MATERIAL TRANSITIONS BETWEEN ROOMS SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS OTHERWISE NOTED.

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

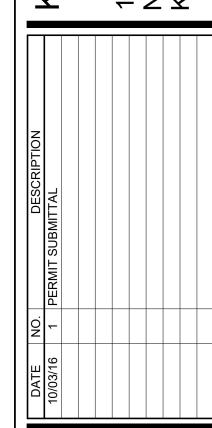
BRACING. FIELD VERIFY CONDITION OF CRAWLSPACE. PROVIDE ALLOWANCE TO INSTALL VAPOR BARRIER SYSTEM IF NEEDED.

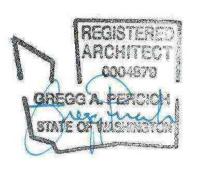


City of Kirkland Reviewed by R Braun 11/10/2016

WA. CENTER FOR PAIN MGMT.

KIRKLAND CLINIC



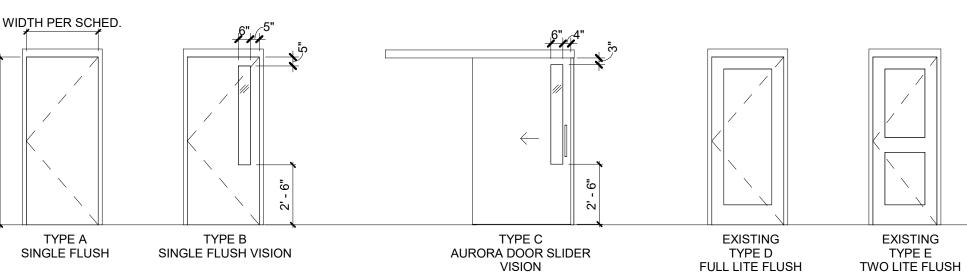


PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

BUILDING SECTIONS

DOOR SCHEDULE											
DOOR NUMBER	ROOM NAME	PANEL TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	HARDWARE GROUP	SIGNAGE	COMMENTS	
102	LOBBY	Α	3' - 6"	7' - 0"	0' - 1 3/4"			EXISTING	3	EXISTING DOOR	
104	PUBLIC W/C	Α	3' - 0"	7' - 0"	0' - 1 3/4"	HM		2	2		
105	X-RAY	В	4' - 0"	7' - 0"	0' - 1 3/4"	HM		6	2	LEAD LINED PER MEDICAL PHYSICIST REPORT	
107	STORAGE	Α	3' - 0"	7' - 0"	0' - 1 3/4"	HM		5			
108	EXAM	С	3' - 10 1/2"	6' - 11 1/2"	0' - 1 3/4"			-	2	AURORA SLIDING DOOR, CLEAR WIDTH 3'-6"	
109	EXAM	С	3' - 10 1/2"	6' - 11 1/2"	0' - 1 3/4"			-	2	AURORA SLIDING DOOR, CLEAR WIDTH 3'-6"	
110	EXAM	С	3' - 10 1/2"	6' - 11 1/2"	0' - 1 3/4"			-	2	AURORA SLIDING DOOR, CLEAR WIDTH 3'-6"	
113	HALLWAY	Α	2' - 6"	7' - 0"	0' - 1 3/4"	HM		1	3		
114	STAFF W/C	Α	2' - 6"	7' - 0"	0' - 1 3/4"	HM		2	3		
115	LOUNGE	В	3' - 0"	7' - 0"	0' - 1 3/4"	HM		3	3		
116	PROVIDER	Α	3' - 0"	7' - 0"	0' - 1 3/4"			4	3	EXISTING DOOR	
Ξ1	LOBBY	D	3' - 0"	7' - 0"	0' - 1 3/4"			EXISTING	1	EXISTING DOOR	
Ξ 2	LOUNGE	E	2' - 8"	7' - 0"	0' - 1 3/4"			EXISTING	-	EXISTING DOOR	

PANEL TYPE:



SIGNAGE TYPES:

- VINYL LETTERING: "DOOR TO REMAIN OPEN DURING OPERATING HOURS".
- ROOM NAME / NUMBER. EMPLOYEES ONLY.

DOOR HARDWARE GROUPS

Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Passage Latch		Schlage	Saturn (SAT) AL10S - F75	626 - Satin Chromium Plated
3 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714-652	Stainless Steel
3 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
1 EA	Kick Plate (push side)	10" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Mop Plate (pull side)	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Door Stop		Rockwood	401 - 626	626 - Satin Chrome Plated / US26D
1 EA	Door Closer		Norton	8501-626	626 - Satin Chrome
HARDWAF	RE GROUP NO. 2 (Patient Restroom and	Staff Toilet)			
Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Mortise Privacy W/ Coin Turn Outside	Sectional Indicator	Schlage	L9044 06A 626 (R/L Hand)	626 - Satin Chromium Plated
3 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714-652	Stainless Steel
3 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
1 EA	Kick Plate (push side)	10" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Mop Plate (pull side)	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Door Stop		Rockwood	401 - 626	626 - Satin Chrome Plated / US26D
HARDWAF	RE GROUP NO. 3 (Lounge)				
Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Entrance/Office Lockset		Schlage	Saturn (SAT) AL50PD - F82	626 - Satin Chromium Plated
3 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714-652	Stainless Steel
3 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
1 EA	Kick Plate (push side)	10" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Mop Plate (pull side)	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Door Stop		Rockwood	401 - 626	626 - Satin Chrome Plated / US26D
1 EA	Door Closer		Norton	8501-626	626 - Satin Chrome
1 EA	Door Seals	1/4" x 1/2"	Pemko	S88GR	GR - Gray Silicone

HARDWARI	E GROUP NO. 4 (Provider Office)				
Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Entrance/Office Lockset		Schlage	Saturn (SAT) AL50PD - F82	626 - Satin Chromium Plated
3 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714-652	Stainless Steel
3 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
1 EA	Kick Plate (push side)	10" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Mop Plate (pull side)	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Door Stop		Rockwood	401 - 626	626 - Satin Chrome Plated / US32D
HARDWARI	E GROUP NO. 5 (Storage)				
Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Storeroom Lockset		Schlage	Saturn (SAT) AL80PD - F86	626 - Satin Chromium Plated
3 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714-652	Stainless Steel
2 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
2 EA	Mop Plate	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
HARDWARI	E GROUP NO. 6 (X-RAY ROOM)		1		
Quantity	Description	Size	Manufacturer	Model No.	Finish
1 EA	Push Plate	4" x 16" plate	Rockwood	70C - 630	Satin Stainless Steel US32D/630
1 EA	Pull Plate	4" x 16" plate	Rockwood	106x70C - 630	Satin Stainless Steel US32D/630
1 EA	Hinge	4 1/2 x 4 1/2	McKinney	TA2714 -652	Stainless Steel
1 EA	Door Silencer	1/2" Dia x 5/8"	Rockwood	608	DuraFlex Gray Rubber
1 EA	Mop Plate	4" H x Width of door	Rockwood	K1050	Satin Stainless Steel US32D/630
1 EA	Gasket		Pemko	S88GR - 21 LF	Gray Silicone
1 EA	Door Stop		Rockwood	401 - 626	626 - Satin Chrome Plated / US26D
1 EA	Automatic Door Bottom	9/16" x 1 15/16"	Pemko	412 PKL	B - Mill Finish Brass Extruded Bronze (Brass) with Black PemkoPrene insert

	FENESTRATION SCHEDULE												
Number	Room Number	Room Name	Type Mark	Width	Height	Sill Height	Frame Type	Finish	Comments				
1	101	WAITING	F	3' - 10"	6' - 10"	0' - 6"	EXISTING	BLIND					
1	101	WAITING	Н	3' - 0"	8' - 1 1/4"	8' - 2"	EXISTING						
1	101	WAITING	G	3' - 0"	6' - 10"	0' - 6"	EXISTING	BLIND					
2	116	PROVIDER	E	3' - 9"	2' - 6"	4' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR W/ BLIND					
2	116	PROVIDER	E	3' - 9"	2' - 6"	4' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR W/ BLIND					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	105	X-RAY	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	107	STORAGE	Α	4' - 2"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	107	STORAGE	В	4' - 2"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	108	EXAM	С	3' - 10"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR W/ BLIND					
3	108	EXAM	D	3' - 10"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	108	EXAM	С	3' - 10"	4' - 0"	3' - 4"	EXISTING	CRYSTAL FROST FILM @ INTERIOR W/ BLIND					
3	108	EXAM	D	3' - 10"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
3	115	LOUNGE	С	3' - 10"	4' - 0"	3' - 2"	EXISTING	CRYSTAL FROST FILM @ INTERIOR W/ BLIND					
3	115	LOUNGE	D	3' - 10"	2' - 0"	0' - 6"	EXISTING	CRYSTAL FROST FILM @ INTERIOR					
35	105	X-RAY		4' - 0"	3' - 9"	3' - 3"	HM - LEAD LINED		LEADED PER MEDICAL PHYSICIST REPORT				

FENESTRATION :	TYPE:						3' - 0"
4' - 2"	4' - 2" "0 - Z	3' - 10"	3' - 10"	3' - 9"	3' - 10"	3' - 0"	8'-2" +/-
EXISTING TYPE A FIXED	EXISTING TYPE B FIXED	EXISTING TYPE C FIXED	EXISTING TYPE D FIXED	EXISTING TYPE E FIXED	EXISTING TYPE F FIXED	EXISTING TYPE G FIXED	EXISTING TYPE H FIXED
4' - 0"							

FINISH SCHEDULE									
				Walls					
Number	Name	Floor Finish	Base Finish	N Wall Finish	E Wall Finish	S Wall Finish	W Wall Finish	Ceiling Finish	Comments
101	WAITING	SV.01/ WM.01	RB.01	PT/CR	PT	PT/CR	PT	EXISTING	
102	HALLWAY	SV.01	RB.01	PT	PT	PT	PT	ACT.01 @ 8'-0" A.F.F.	SEE SHEET I2.01 WALL FINISH PLAN AND I5.00 INTERIOR ELEVATIONS FOR FURTHER CLARIFICATION
103	RECEPTION	SV.01	RB.01	PT	PT	PT	-	ACT.01 / GCB @ VARYING HEIGHTS	SEE SHEET A2.04 REFLECTED CEILING PLAN FOR CLARIFICATION
104	PUBLIC W/C	FT.01	WT.01	PT/WT	PT/WT	PT/WT	PT/WT	GCB @ 8'-0" A.F.F.	SEE SHEET I2.01 WALL FINISH PLAN AND I5.00 INTERIOR ELEVATIONS FOR FURTHER CLARIFICATION
105	X-RAY	SV.02	FB.01	PT/FRP	PT/FRP	PT/FRP	PT/FRP	EXISTING	
106	X-RAY CONTROL	SV.01	RB.01	PT	PT	PT	-	ACT.01 @ 8'-0" A.F.F.	
107	STORAGE	SV.02	FB.01	PT	PT	PT	PT	EXISTING	
108	EXAM	SV.01	RB.01	PT/WF	PT/WF	PT	PT	ACT.01 @ 8'-0" A.F.F.	
109	EXAM	SV.01	RB.01	PT/WF	PT	PT	PT/WF	ACT.01 @ 8'-0" A.F.F.	SEE SHEET I2.01 WALL FINISH PLAN AND I5.00 INTERIOR ELEVATIONS FOR FURTHER CLARIFICATION
110	EXAM	SV.01	RB.01	PT/WF	PT	PT	PT/WF	ACT.01 @ 8'-0" A.F.F.	SEE SHEET I2.01 WALL FINISH PLAN AND I5.00 INTERIOR ELEVATIONS FOR FURTHER CLARIFICATION
111	MA	SV.01	RB.01	PT	PT	PT	PT	ACT.01 @ 8'-0" A.F.F.	
112	COLLECTION	SV.01	RB.01	PT	PT	PT	PT	ACT.01 @ 8'-0" A.F.F.	
113	HALLWAY	SV.01	RB.01	PT	PT	PT	PT	ACT.01 @ 8'-0" A.F.F.	
114	STAFF W/C	SV.02	FB.01	PT/FRP	PT/FRP	PT/FRP	PT/FRP	GCB @ 8'-0" A.F.F.	SEE SHEET I2.01 WALL FINISH PLAN AND I5.00 INTERIOR ELEVATIONS FOR FURTHER CLARIFICATION
115	LOUNGE	SV.01	RB.01	PT/WF/CR	PT/WF/CR	PT/WF/CR	PT	ACT.01 @ 8'-0" A.F.F.	
116	PROVIDER	SV.01	RB.01	PT	PT	PT	PT	ACT.01 @ 8'-0" A.F.F.	

TYPE I LEADED

FINISH LEGEND:

- SV.01 SHEET VINYL FLOORING
- SV.02 SHEET VINYL FLOORING FT.01 PORCELAIN FLOOR TILE
- WM.01 WALK OFF CARPET TILE
- RB.01 RUBBER BASE
- FB.01 FLASH COVE BASE
- PT PAINT
- FRP.01 FIBER REINFORCED PANEL
- FRP.02 FIBER REINFORCED PANEL
- WF.01 ACROVYN WALL PANEL
- WF.02 ACROVYN WALL PANEL WT WALL TILE- CERAMIC
- ACT.01 ACOUSTICAL CEILING TILE
- ACT.02 WASHABLE / SCRUBBABLE ACOUSTICAL CEILING TILE GCB GYPSUM CEILING BOARD
- CR CHAIR RAIL

DOOR & FENESTRATION NOTES:

- CONTRACTOR TO COORDINATE REQUIRED UNDERCUT OF EACH SCHEDULED DOOR WITH THE SILL OR THRESHOLD PER DETAIL, FIRE RATING, AND MAKE-UP AIR REQUIREMENTS OF ROOM.
- CONTRACTOR IS RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF SCHEDULED DOORS AND HARDWARE COMPLIANT WITH
- REQUIREMENTS OF THE CURRENT ADA, ANSI, AND BUILDING CODE(S). TACTILE SIGNS STATING "EXIT" AND COMPLYING WITH ALL ICC/ANSI A117.1 REQ. SHALL BE PROVIDED AT EACH EXIT DOOR PER 703.3.11 AND CHAPTER 7 IN
- PROVIDE SANITARY FACILITIES IDENTIFICATION SIGNAGE AT EA. PUBLIC
- RESTROOM DOOR PER I.B.C. PROVIDE MANEUVERING CLEARANCES AT DOORS AS REQUIRED FOR ACCESSIBILITY COMPLIANCE PER FEDERAL AND STATE REQUIREMENTS - SEE
- CONTRACTOR TO COORDINATE INSTALLATION OF HARDWARE WITH THE DOOR HAND. REFER TO DRAWINGS FOR DOOR SWING AND RELATIONSHIP TO FRAME ALL OPERABLE WINDOWS SHALL BE PROVIDED WITH MANUFACTURER'S STANDARD LOCKING SYSTEM.
- DOORS WHERE HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ARE PROVIDED SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST TO OPERATE. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FLOOR. WHERE FOR NORMAL OPERATION, THEY WILL BE PERMITTED AT ANY LOCATION.
- ALL EXIT DOORS TO BE OPERABLE FROM INSIDE THE BUILDING WITHOUT KEYS OR SPECIAL KNOWLEDGE. ALL EXTERIOR DOORS SHALL BE PROVIDED WITH SELF-RELEASING HARDWARE & SHALL OPEN WITH A SINGLE MOTION FROM THE INSIDE. PROVIDE LOCKING DEVICE READILY DISTINGUISHED AS LOCKED WITH SIGN ON
- ALL DOORS AND WINDOWS TO BE INSTALLED SHALL FOLLOW MANUFACTURER SPECIFICATIONS AND CONFORM TO MANUFACTURER'S GUIDELINES AND TOLERANCES.
- REFER TO 'FENESTRATION SCHEDULE' AND 'FENESTRATION TYPES' DRAWING FOR INFORMATION CONCERNING GLAZING NOT SHOWN ON 'DOOR TYPES AND FRAMES' DRAWING.
- REFER TO DOOR TYPES DRAWING FOR STOREFRONT FRAMES HAVING SWINGING ENTRANCE DOORS, SIDELIGHTS AND TRANSOMS WHEN INDICATED TO BE PROVIDED FOR PROJECT.
- REFER TO FENESTRATION TYPES DRAWING FOR FENESTRATION OPERATIONS, SYMBOLS AND CONFIGURATIONS. ALL GLAZING SHALL BE CLEAR, UNLESS OTHERWISE NOTED.
- WINDOW DIMENSIONS ARE NOMINAL OUT-TO-OUT FRAME (WIDTH x HEIGHT). ALL GLAZING LOCATED IN SWINGING DOORS, PANELS OF SLIDING DOOR ASSEMBLIES AND GLAZING LOCATED WITHIN A 24-INCH ARC OF THE NEAREST VERTICAL EDGE OF A DOOR (IN THE CLOSED POSITION). OR LESS THAN 18 INCHES ABOVE THE WALKING SURFACE OR WHERE ONE OR MORE WALKING SURFACE ARE WITHIN 36 INCHES OF THE WALKING PLANE TO BE TEMPERED. AND UP TO 60 INCHES ABOVE FINISH FLOOR AND AREAS SUBJECT TO HUMAN IMPACT OR OTHER HAZARDOUS LOCATIONS SHALL BE TEMPERED OR AN
- HAVING JURISDICTION. INSTALL TRANSOM AND RELITE GLAZING ON ROOM SIDE OF FRAME, TYPICAL

APPROVED SAFETY GLAZING MATERIAL AS DEFINED BY THE AUTHORITIES

- UNLESS NOTED OTHERWISE. SINGLE SOURCE ALL DOORS AND FRAMES WITH MATCHING LABELS. ALL FIRE DOOR AND FRAME ASSEMBLIES SHALL BE PERMANENTLY LABELED. SINGLE SOURCE ALL WINDOW ASSEMBLIES. LABEL FIRE PROTECTION RATED
- GLAZING ASSEMBLIES IN ACCORDANCE WITH THE BUILDING CODE(S). TOPS AND BOTTOMS OF ALL DOORS EXPOSED TO WEATHER SHALL BE
- PROVIDE COMPLETE WEATHER STRIPPING AT ALL EXTERIOR DOORS. 1/4 INCH IN 2 INCHES DOOR BEVEL, U.N.O. BY HARDWARE TEMPLATE
- ALL OPERABLE WINDOWS SHALL BE FULLY WEATHER STRIPPED. ALL EXPOSED WINDOW HARDWARE AND FRAME FINISHES SHALL BE SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS AND FINISHES BY
- ALL OPERABLE WINDOWS SHALL HAVE ALUMINUM FRAMED FIBER MESH INSECT SCREENS, COLOR SHALL BE SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS BY ARCHITECT.
- HOLLOW METAL DOORS AND FRAMES SHALL BE SHOP PRIMED AND FIELD PAINTED, TYPICAL UNLESS NOTED OTHERWISE.
- WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED TO BE USED, PROVIDED THAT THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS HAS NO DOORKNOB OR SURFACE-MOUNTED HARDWARE.
- MANUALLY OPERATED FLUSH BOLTS ARE NOT PERMITTED AND NO MORE THAN ONE OPERATION FOR THE UNLATCHING IS ALLOWED.
- FIRE DOOR ASSEMBLIES ARE PERMITTED TO HAVE LOCKS AND LATCHES PROVIDED THAT THE MINIMUM ELEVATED TEMPERATURE HAS DISABLED THE UNLATCHING MECHANISM IS IN ACCORDANCE WITH LISTED FIRE DOOR TEST PROCEDURES.

OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR IN A CLOSED POSITION.

- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE AUTHORITIES HAVING JURISDICTION. THE FORCE FOR PUSHING OR PULLING OPEN DOORS OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS (THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS
- a. INTERIOR HINGED DOORS: 5.0 POUNDS MAXIMUM.
- b. SLIDING OR FOLDING DOOR: 5.0 POUNDS MAXIMUM. SIDELIGHT FRAMES AT HOLLOW METAL FRAMES: PROVIDE CLOSED TUBULAR MEMBERS WITH NO VISIBLE FACE SEAMS OR JOINTS, FABRICATED FROM SAME MATERIAL AS DOOR FRAME. FASTEN MEMBERS AT CROSSINGS AND TO JAMBS BY BUTT WELDING.
- PROVIDE COUNTERSUNK, FLAT- OR OVAL-HEAD EXPOSED SCREWS AND BOLTS FOR EXPOSED FASTENERS. TYPICAL UNLESS OTHERWISE NOTED. GROUT GUARDS AT HOLLOW METAL FRAMES: WELD GUARDS TO FRAME AT
- BACK OF HARDWARE MORTISES IN FRAMES SHALL BE GROUTED. FLOOR ANCHORS AT HOLLOW METAL FRAMES: WELD ANCHORS TO BOTTOMS OF JAMBS WITH AT LEAST FOUR SPOT WELDS PER ANCHOR; HOWEVER, FOR SLIP-ON GYPSUM FRAMES, PROVIDE ANCHOR CLIPS OR COUNTERSUNK HOLES
- AT BOTTOMS OF JAMBS. JAMB ANCHORS AT HOLLOW METAL FRAMES: PROVIDE NUMBER AND SPACING OF ANCHORS AS FOLLOWS:
- a. STUD-WALL TYPE: LOCATE ANCHORS NOT MORE THAN 18-INCHES FROM TOP AND BOTTOM OF FRAME. SPACE ANCHORS NOT MORE THAN 32-INCHES
- O.C. AND AS FOLLOWS: · THREE ANCHORS PER JAMB UP TO 60-INCHES HIGH.
- · FOUR ANCHORS PER JAMB FROM 60 TO 90-INCHES HIGH. · FIVE ANCHORS PER JAMB FROM 90 TO 96-INCHES HIGH.
- · FIVE ANCHORS PER JAMB PLUS ONE ADDITIONAL ANCHOR PER JAMB FOR EACH 24-INCHES OR FRACTION THERE OF ABOVE 96-INCHES HIGH
- b. POST INSTALLED EXPANSION TYPE: LOCATE ANCHORS NOT MORE THAN 6 INCHES FROM TOP AND BOTTOM OF FRAME. SPACE ANCHORS NOT MORE THAN 26 INCHES ON CENTER.
- HEAD ANCHORS AT HOLLOW METAL FRAMES: PROVIDE TWO ANCHORS PER HEAD FOR FRAMES MORE THAN 42-INCHES WIDE.
- PROVIDE RUBBER DOOR SILENCERS (3 PER JAMB) WHERE LIGHT / SOUND GASKETS OR WEATHER-STRIPPING IS NOT OTHERWISE REQUIRED. DOOR SILENCERS: EXCEPT ON WEATHER-STRIPPED FRAMES, DRILL STOPS TO RECEIVE DOOR SILENCERS AS FOLLOWS. KEEP HOLES CLEAR DURING
- a. SINGLE-DOOR FRAMES: DRILL STOP IN STRIKE JAMB TO RECEIVE THREE
- b. DOUBLE-DOOR FRAMES: DRILL STOP IN HEAD JAMB TO RECEIVE TWO DOOR
- WHERE DOOR CLOSERS ARE PROVIDED, THEY SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO AN OPEN POSITION OF 12 DEGREES SHALL BE 5 SECONDS MINIMUM. DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS.
- CONTRACTOR TO COORDINATE TRIM PACKAGE AND COLORS WITH INTERIOR DESIGN DRAWINGS AND FINISH SCHEDULE.
- ALL EXTERIOR GLAZING SHALL BE THERMAL INSULATING TWO LITE WITH
- SPACE BETWEEN GLASS LITES FILLED WITH ARGON.
- THE MINIMUM NET CLEAR OPENING HEIGHT DIMENSION SHALL BE 24 INCHES. TH MINIMUM NET CLEAR OPENING WIDTH DIMENSION SHALL BE 20 INCHES. THE NET CLEAR OPENING DIMENSIONS SHALL BE THE RESULT OF NORMAL OPERATION OF THE OPENING, CONTRACTOR TO VERIFY.

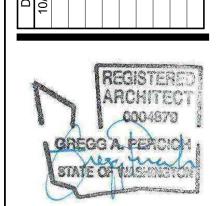
JACKSON | MAIN **ARCHITECTURE** 311 FIRST AVENUE SOUTH

SEATTLE, WA 98104

t 206.324.4800

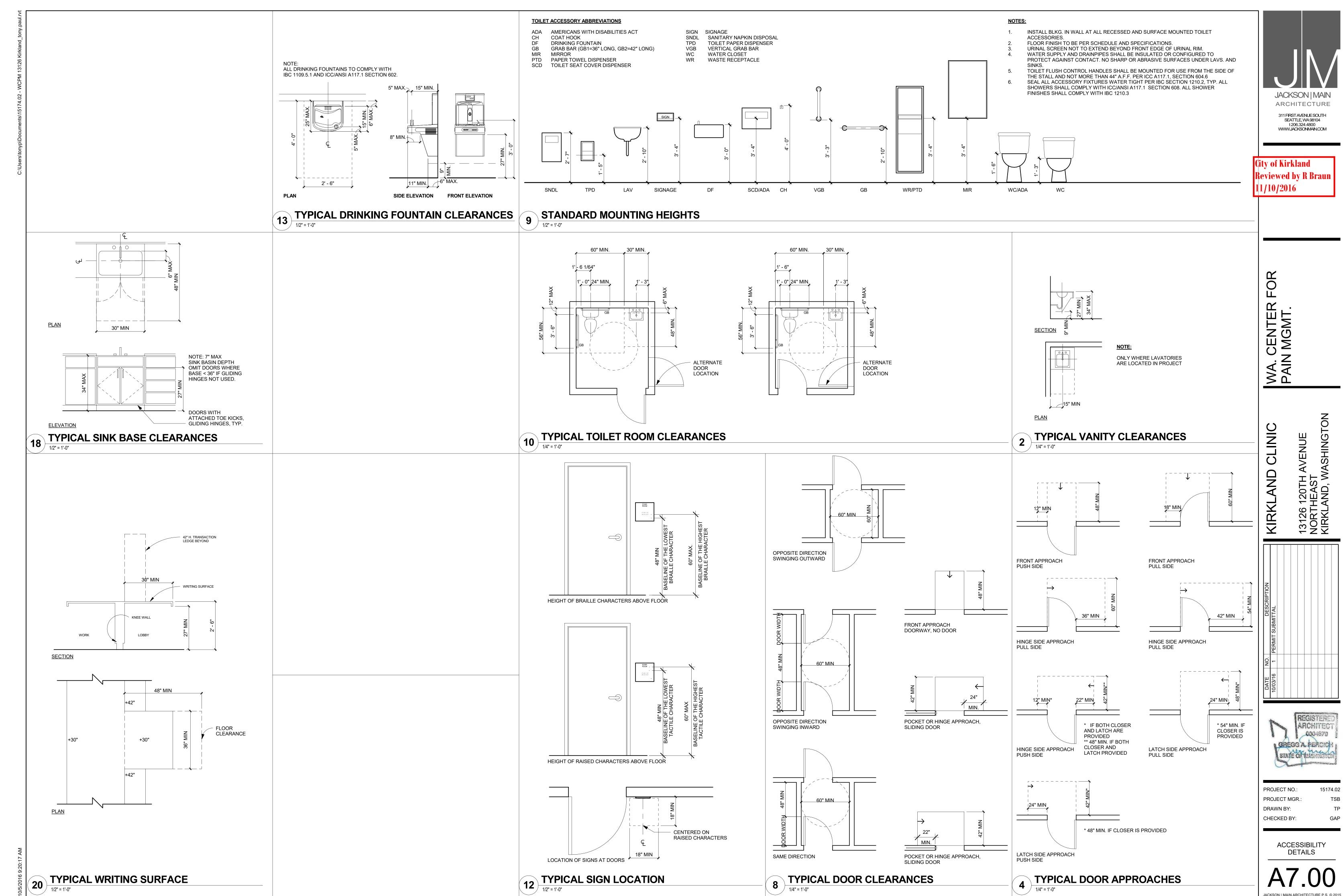
WWW.JACKSONMAIN.COM

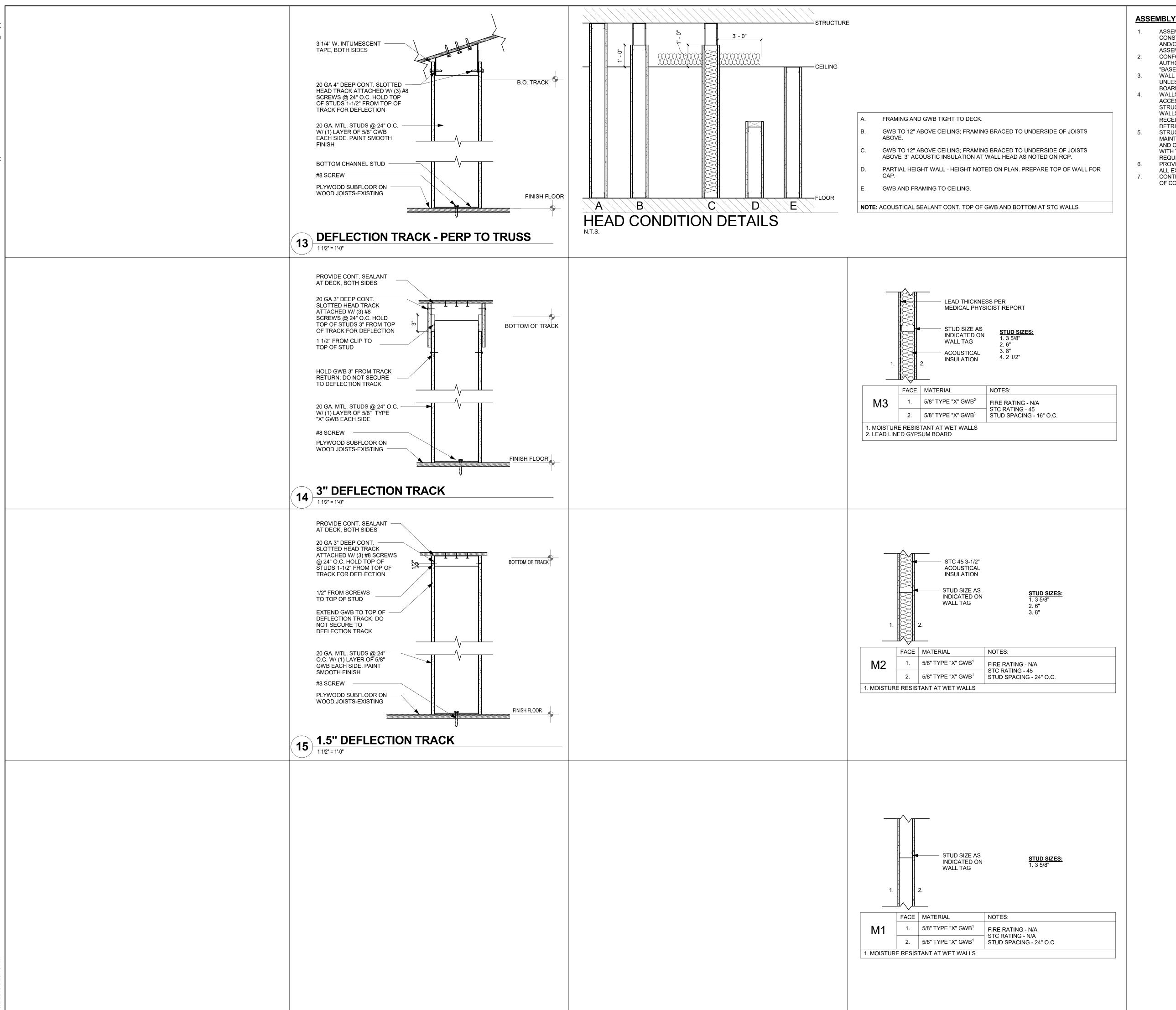
 $\overline{\mathbf{C}}$



PROJECT NO.: 15174.02 PROJECT MGR.: DRAWN BY: CHECKED BY:

DOOR, FENESTRATION AND FINISH SCHEDULES





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.

City of Kirkland **Reviewed by R Braun**

JACKSON | MAIN

ARCHITECTURE

311 FIRST AVENUE SOUTH

t 206.324.4800

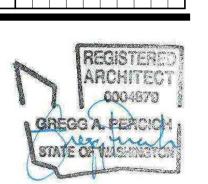
WWW.JACKSONMAIN.COM

SEATTLE, WA 98104

11/10/2016

FOR

CLINIC



PROJECT NO.: PROJECT MGR.: DRAWN BY: CHECKED BY:

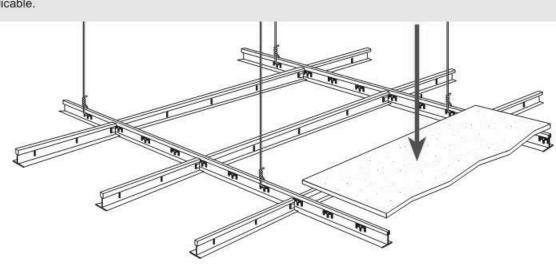
PARTITION DETAILS

ACT CEILING DETAIL PLAN

NWCB Technical Document SUSPENDED CEILINGS Suspension Systems for Acoustical Lay-in Ceilings Seismic Design Categories D, E & F

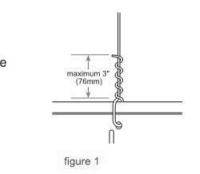
This document has been revised based on current Building Code standards. In all buildings, other than structures classified as essential facilities, suspended ceilings installed in accordance with the prescriptive provisions of the 401 document are deemed to comply with the current building code interpretation.

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 1.4
- 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



PAGE 1 OF 4

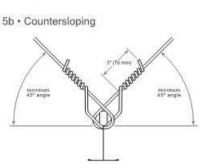
HEADQUARTERS 2825 Eastlake Ave E Ste 350 | Seattle, WA 98102 tel 206-524-4243 | email info@nwcb.org

Build to a Higher Standard.

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

www.nwcb.org

figure 5b · Countersloping



Vertical hanger wire attachment Shot-in anchor

Vertical hanger wire

Splayed seismic bracing wire attachment drill-in expansion anchor -Structural concrete ---Steel strap 1" wide x 2" long x 12 gage minimum Splayed seismic bracing wire -

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

Spreader 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
- Spreader bars are not required at perimeters where runners are attached directly to closure angles.
- Spreader 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 construction 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
- · 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

PAGE 3 OF 4

Build to a Higher Standard.

Lateral Force Bracing (figures 2 and 3) Lateral force Bracing

up to 5'10"

up to 7'8"

up to 9' 9"

up to 12'0"

up to 15'0"

up to 13'6"

- 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 (PAF's), 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
- 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
- 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
- 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 at 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

www.nwcb.org

Build to a Higher Standard.

Maximum Recommended Lengths for

Vertical Struts

EMT CONDUIT

1/2" EMT conduit

3/4" EMT conduit

1" EMT conduit

(20 gage)

METAL STUDS

Single 15/8" metal stud (20 gage)

Single 2 1/2" metal stud (20 gage)

Back-to-back 2 1/2" metal stud (25 gage) up to 15'0"

Note: Plenum areas greater than 15'0" will require engineering

Attached Wall Molding Requirements

Unattached Wall Molding Requirements

Back-to-back 15/8" metal stud

Source: Portland Building Department

NORTHWEST WALL AND CEILING BUREAU

- Terminals or services weighing 20 lbs. but not more than 56 lbs. shall have, in addition to 5.4.1, two 12 gage wires connecting them to the ceiling system hangers or the structure above. These wires may be slack. Source:
- Terminals or services weighing more than 56 lbs. shall be supported directly from the structure above by approved hangers. Source: ASTM E580 Section 5.4.3

Seismic Separation Joints (figure 7)

Source: ASCE 7-10 Section 13.5.6.2.2 b

- 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.
- joint shall be per the designer of record and noted on the plans. If a seismic separation joint is required by the designer, the designer may use the generic joint detailed in this document or a proprietary joint. The amount of free movement (gap design) shall be a minimum of 3/4 inch. Source: State of Oregon, Building Codes Division

The layout and location of the seismic separation

 In lieu of seismic separation joints, the ceiling may be divided into areas less than 2500 square feet by the use of partitions or soffits as follows: partitions shall extend a minimum of 6 inches above the level of the plane of the grid and shall be independently braced to the structure above. Soffits shall extend to a point at least level with the bottom plane of the grid and shall be independently supported and laterally braced to the structure above. Source: State of Oregon Building Codes Division, ASTM E580 Section 5.2.9.1

Sprinklers

 For ceilings without rigid bracing, sprinkler head penetrations shall have a 2 inch oversize ring, sleeve or adapter through the ceiling tile to allow free movement of at least 1 inch in all horizontal directions. Flexible head design that can accommodate 1 inch free movement shall be permitted as an alternate. Source: ASTM E580 Section 5.2.8.5

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, emer-

gency operations center, State Patrol office, sheriff's office, or emergency communication dispatch center.

GRID The main beams and cross tees of the suspension system SLACK WIRE A 12 gage wire that is not tight or taut. HANGER WIRE 10 or 12 gage soft annealed wire used as pri-

mary 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 accoustical ceiling grid.

PERIMETER CLIPS Proprietary angle bracket attached directly to the wall molding/closure angle which allows for 3/4" 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.

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

SPLAY WIRES Wires installed at an angle rather than perpen-

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

The NWCB has been serving the construction industry for over forty years. It is recognized as a technical authority, educational body and spokesperson for the wall and ceiling industry. It provides services to architects and the construction community on all matters relating to the diversified wall and ceiling industry. As the industry's development and coordination organization, the NWCB saw the need to establish a document to provide clarification and the intent of NEHRP (National Earthquake Hazards Reduction Program) an agency of FEMA (Federal Emergency Management Agency). It is meant to serve as a set of recommendations and is not intended for any specific construction project. This technical document is to serve as a guideline and it is not intended for any specific construction projects. NWCB makes no express or implied warranty or guarantee of the techniques, construction methods or materials identified herein

etary products.

PAGE 4 OF 4

Build to a Higher Standard. www.nwcb.org

NORTHWEST WALL AND CEILING BUREAU

JACKSON | MAIN **ARCHITECTURE** 311 FIRST AVENUE SOUTH SEATTLE, WA 98104 WWW.JACKSONMAIN.COM

City of Kirkland Reviewed by R Braun

0

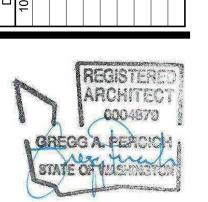
Ĭ

systems and the structure above. Source: ASTM E580 Section 5.2.8.2

- horizontal flange 2 inches wide. One end of the ceiling grid shall be attached to the wall molding, the other end shall have a 3/4 inch clearance from the wall and free to slide. Source: ASTM E580 Section 5.2.2,
- Where substantiating documentation has been provided to the

PAGE 2 OF 4

CLINIC



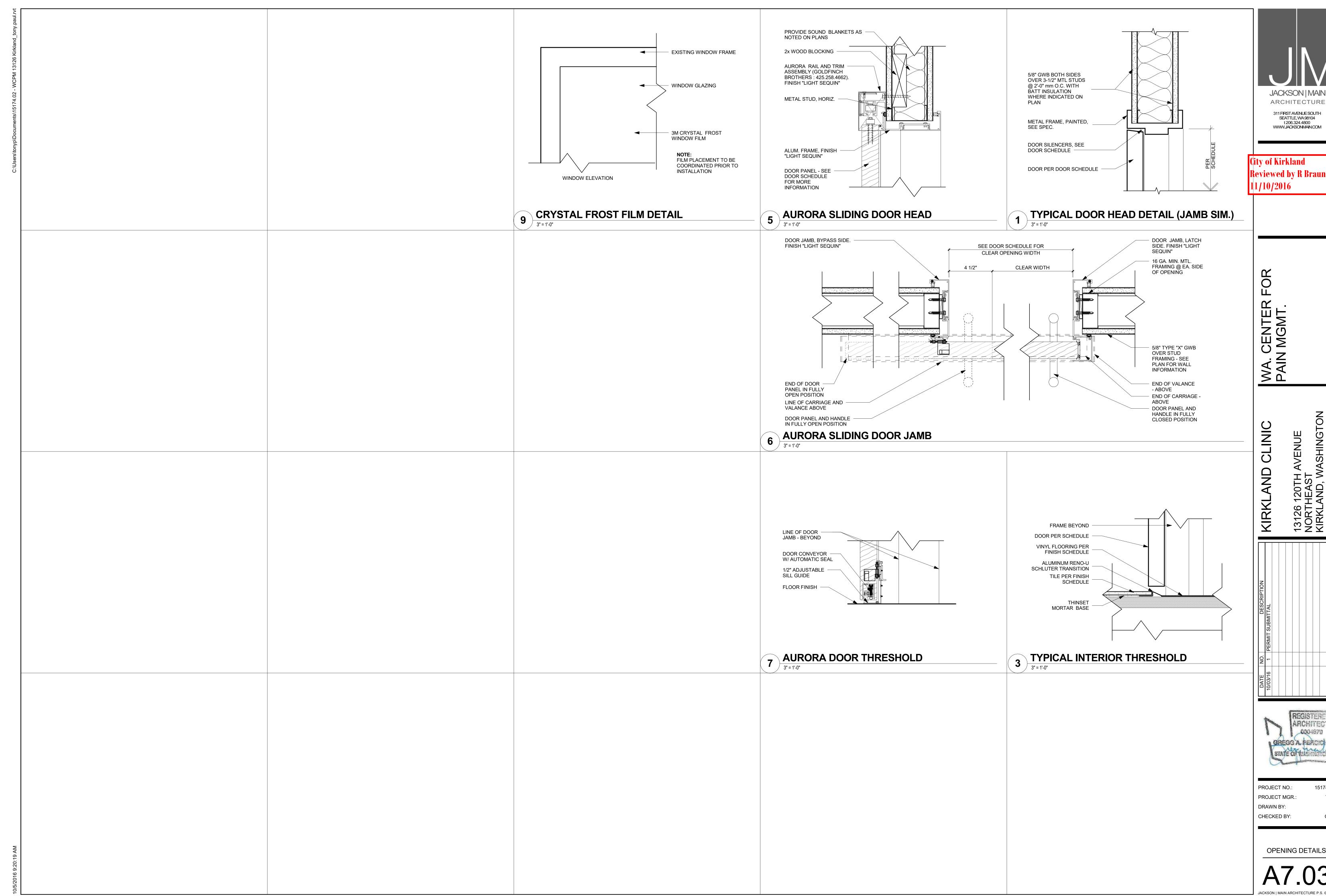
PROJECT NO .: 15174.02 PROJECT MGR.: DRAWN BY: CHECKED BY:

CEILING DETAILS

ACT CEILING DETAIL

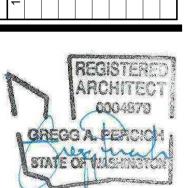
www.nwcb.org

NORTHWEST WALL AND CEILING BUREAU

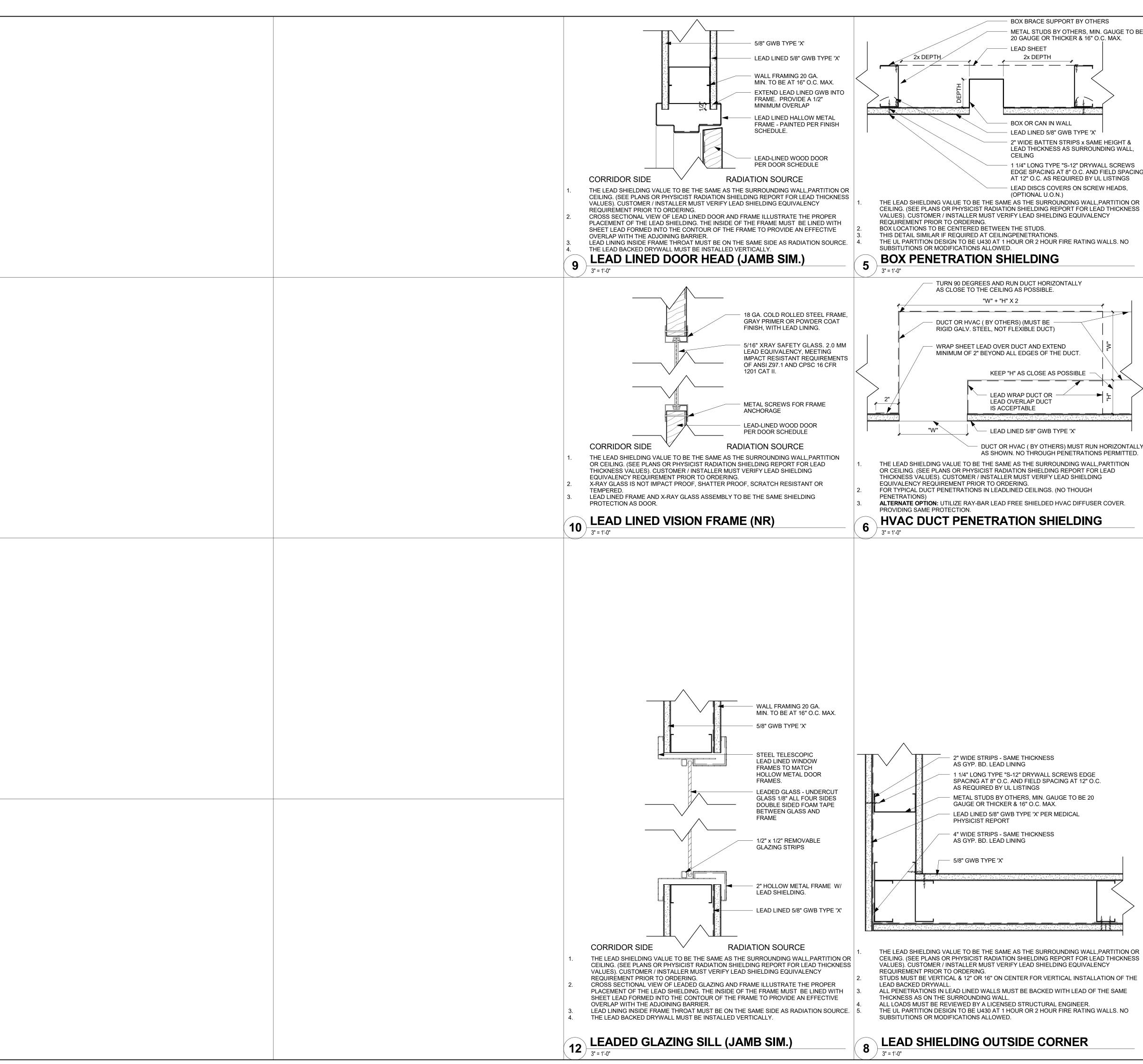


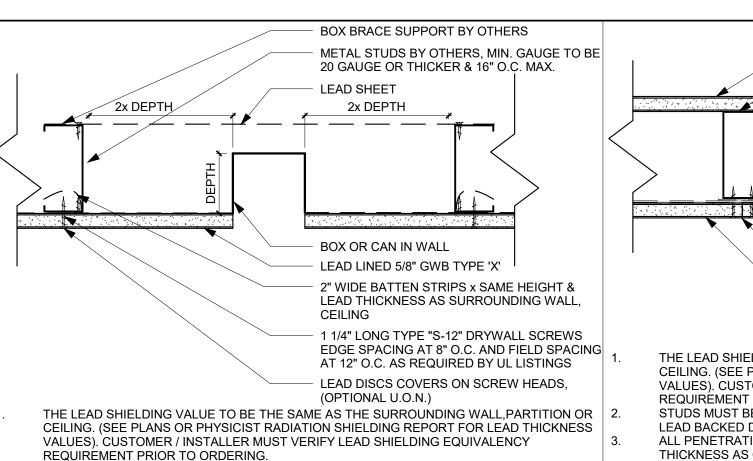
JACKSON | MAIN ARCHITECTURE

Reviewed by R Braun

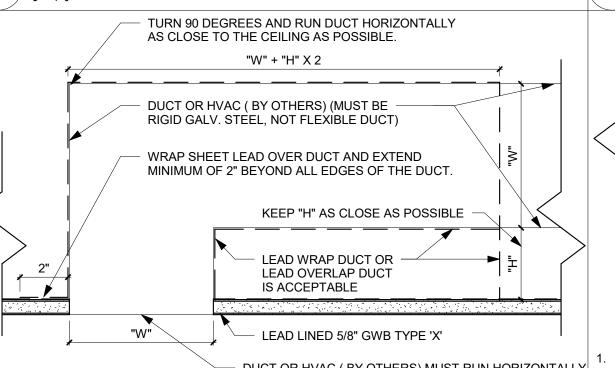


OPENING DETAILS





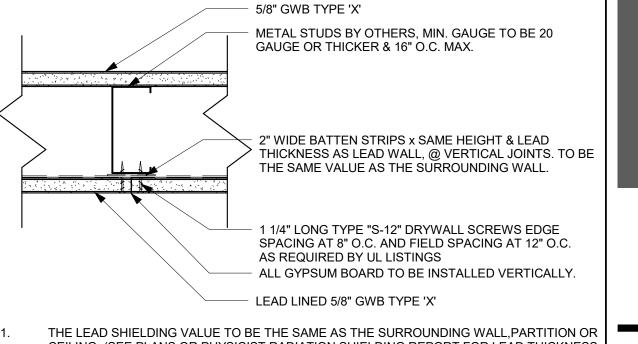
THIS DETAIL SIMILAR IF REQUIRED AT CEILINGPENETRATIONS.



DUCT OR HVAC (BY OTHERS) MUST RUN HORIZONTALLY AS SHOWN. NO THROUGH PENETRATIONS PERMITTED.

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 FOR TYPICAL DUCT PENETRATIONS IN LEADLINED CEILINGS. (NO THOUGH

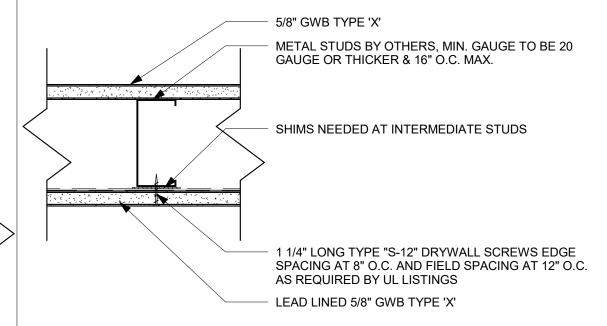
HVAC DUCT PENETRATION SHIELDING



CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF TI

LEAD BACKED DRYWALL ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSITUTIONS OR MODIFICATIONS ALLOWED.

LEAD BATTEN STRIPS @ VERTICAL JOINT

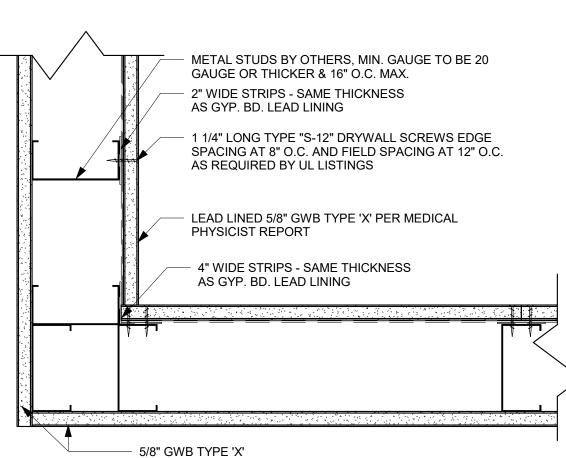


THE LEAD SHIELDING VALUE TO BE THE SAME AS THE SURROUNDING WALL, PARTITION OR CEILING. (SEE PLANS OR PHYSICIST RADIATION SHIELDING REPORT FOR LEAD THICKNESS VALUES). CUSTOMER / INSTALLER MUST VERIFY LEAD SHIELDING EQUIVALENCY REQUIREMENT PRIOR TO ORDERING.

STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL. ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO

LEAD BATTEN STRIPS @ INTERMEDIATE

SUBSITUTIONS OR MODIFICATIONS ALLOWED.



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. STUDS MUST BE VERTICAL & 12" OR 16" ON CENTER FOR VERTICAL INSTALLATION OF THE LEAD BACKED DRYWALL ALL PENETRATIONS IN LEAD LINED WALLS MUST BE BACKED WITH LEAD OF THE SAME THICKNESS AS ON THE SURROUNDING WALL.

ALL LOADS MUST BE REVIEWED BY A LICENSED STRUCTURAL ENGINEER. THE UL PARTITION DESIGN TO BE U430 AT 1 HOUR OR 2 HOUR FIRE RATING WALLS. NO SUBSITUTIONS OR MODIFICATIONS ALLOWED.

LEAD SHIELDING INSIDE CORNER

City of Kirkland eviewed by R Braun

JACKSON | MAIN

ARCHITECTURE

311 FIRST AVENUE SOUTH

SEATTLE, WA 98104

t 206.324.4800

WWW.JACKSONMAIN.COM

FO

CLINIC

PROJECT NO .: PROJECT MGR.: DRAWN BY: CHECKED BY:

> LEAD SHIELDING DETAILS