- ALL MATERIALS AND WORKMANSHIP SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL STANDARDS AND TO THE APPLICABLE PROVISIONS OF THE GOVERNING BUILDING CODE. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONDITIONS OF ALL WORK AND MATERIALS, INCLUDING THOSE FURNISHED BY SUBCONTRACTORS.
- THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED PRODUCT. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.
- THESE DRAWINGS SHOW ONLY REPRESENTATIVE AND TYPICAL DETAILS TO ASSIST THE CONTRACTOR. THE DRAWINGS DO NOT ILLUSTRATE EVERY CONDITION. ALL ATTACHMENTS, CONNECTIONS, FASTENINGS, ETC., SHALL BE PROPERLY SECURED IN CONFORMANCE WITH THE BEST PRACTICE, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THEM.
- DETAILS SHOWN ON DRAWINGS APPLY AT ALL LIKE CONDITIONS.
- THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREON AS CORRECT, AND OBLIGATED HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HEREON.
- INSTALL ALL MANUFACTURING ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDED SPECIFICATIONS; EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT, SHALL BE COMPLIED WITH.
- PROVIDE AND MAINTAIN IN PROPER ORDER AND IN GOOD, CLEAN CONDITION AT THE PROJECT SITE, ONE COMPLETE SET OF DRAWINGS, PRINT IN PENCIL, NEATLY AND ACCURATELY, ANY AND ALL CHANGES TO THE PROJECT. THIS SET OF PRINTS SHALL BE SCANNED AND CONVERTED TO PDF FILE FORMAT, AND PRESENTED TO THE OWNER AT THE TIME OF FINAL ACCEPTANCE OF THE WORK BY THE G.C.
- ANY CLARIFICATION TO THE DRAWINGS SHALL BE SUFFICIENTLY GIVEN AND IN WRITING BEFORE IT SHALL BE ADDRESSED BY THE ARCHITECT. ANY CHANGE THAT WILL EFFECT TIMING OR COST SHALL HAVE APPROVAL IN WRITING PRIOR TO WORK BEING DONE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN INTERNET, TELEPHONE, TOILET, WATER AND ELECTRICITY FOR ALL PROJECT FUNCTIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL TAPS, EXTENSIONS, VALVES OR OTHER DEVICES NECESSARY TO RUN POWER TOOLS AND EQUIPMENT. SUCH MODIFICATIONS TO EXISTING UTILITIES MUST BE REMOVED AT COMPLETION OF THE PROJECT, LEAVING ALL UTILITIES IN "LIKE NEW" CONDITION.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ADEQUATE SAFETY BARRICADES AND CLEAR ACCESS IN AND OUT OF THE WORK SITE SO AS TO FACILITATE DAILY TRAFFIC MOVEMENT, DELIVERIES AND SAFETY.
- THE CONTRACTOR SHALL LIMIT ACCESS TO THE PROJECT SITE TO AUTHORIZED PERSONS AND EQUIPMENT ONLY.
- 12. EXCEPT WHERE OTHERWISE SPECIFIED, THE CONTRACTOR SHALL AT ALL TIMES PROVIDE. PROTECTION AGAINST WEATHER TO MAINTAIN ALL WORK, MATERIALS, APPARATUS AND FIXTURES FROM INJURY OR DAMAGES. AT THE END OF THE DAYS WORK, ALL NEW WORK LIKELY TO BE DAMAGED SHALL BE COVERED OR OTHERWISE PROTECTED AS REQUIRED.
- SUBSTITUTIONS WILL BE CONSIDERED ONLY WHERE THE TERM "APPROVED EQUAL" IS USED. APPROVAL IS AT THE SOLE DISCRETION OF THE ARCHITECT.
- I. ALL ITEMS TO BE INSTALLED BY G.C. SHALL REQUIRE UNLOADING AND ASSEMBLY IF NECESSARY.
- . GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING, ACCEPTING AND CHECKING EQUIPMENT FOR ALL OWNER-SUPPLIED ITEMS.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR DAMAGES AND/OR FREIGHT CLAIMS FOR ALL SHIPMENTS TO THE PROJECT SITE.
- ALL NEW ITEMS SHALL FULLY COMPLY WITH ADA ACCESSIBILITY GUIDELINES SECTION 4.1.3 ACCESSIBLE BUILDINGS: NEW CONSTRUCTION. GENERAL CONTRACTOR SHALL SECURE FINAL ACCESSIBILITY SITE INSPECTION APPROVAL PRIOR TO DEMOBILIZATION.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS.
- THE OWNER SHALL BE NOTIFIED OF ANY UNFORSEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
- . FIRE EXTINGUISHERS SHALL BE LOCATED PER DIRECTION OF FIRE DEPARTMENT. PROVIDE A MINIMUM OF 2. MAXIMUM TRAVEL DISTANCE TO A FIRE EXTINGUISHER: 75'. FIRE EXTINGUISHERS SHALL BE PROVIDED, INSTALLED AND CERTIFIED BY THE GENERAL
- IF ANY HOT WORK IS DONE DURING THE CONSTRUCTION WORK A FIRE WATCH MUST BE CONDUCTED WITH A FIRE EXTINGUISHER NEAR THE HOT WORK SITE. ADJACENT AREAS SHOULD BE PROTECTED THRU THE USE OF A FIRE PROOF BLANKET AROUND THE AREA OF
- ADDRESS IDENTIFICATION. ALL BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS NUMBERS OR LETTERS PER IBC 501.2. EACH CHARACTER SHALL BE A MINIMUM 8 INCHES HIGH AND A MINIMUM OF 0.5 INCH WIDE, INSTALLED ON A CONTRASTING BACKGROUND AND BE PLAINLY VISIBLE FROM THE RIGHT-OF-WAY.

ALL FIRE BLOCKING AND DRAFT STOPPING SHALL CONFORM TO THE BUILDING CODE.

- FIRE BLOCKS SHALL BE PROVIDED IN ACCORDANCE WITH THE BUILDING CODE AT THE FOLLOWING LOCATIONS:
- 2.a. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS, AT 10-FOOT INTERVALS ALONG THE LENGTH
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.
- IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.



TENANTIMPROVEMENTS

CARESPOT URGENT CARE

8132 LEE VISTA BLVD. #102, ORLANDO, FLORIDA 32801

GRAPHIC LEGEND

CODE SUMMARY

BUILDING CODES: FLORIDA BUILDING CODE 6TH EDITION (2017) FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017)

- NATIONAL ELECTRICAL CODE (2014) MECHANICAL CODE (2017) FUEL GAS CODE (2017) FLORIDA ENERGY CODE (2017) PLUMBING CODE (2017)
- FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017) NFPA 101 LIFE SAFETY CODE (2015) W/ FLORIDA AMENDMENTS NFPA 1 UNIFORM FIRE CODE (2015) W/ FLORIDA AMENDMENTS FLORIDA STATUTES
- FLORIDA ADMINISTRATIVE CODE ORLANDO CITY CODE

TENANT AREA:

INTERIOR FINISH OUT OF A NEW ONE STORY SHELL BUILDING. THE PROPOSED USE IS A BUSINESS OCCUPANCY WHICH IS CONSISTENT WITH THE ZONING OF THE PROPERTY.

PARCEL ID: 302325900200020

PROPERTY DESCRIPTION: VISTA PALMS COMMERCIAL 69/37 LOT 2

3,574 GSF

OCCUPANCY: BUSINESS GROUP B CONSTRUCTION: TYPE IIB - SPRINKLED

OCCUPANCY LOAD (PER FBC TABLE 1004.1.2): 36

REQUIRED EGRESS WIDTH = 36×0.2 " = 7.2PROVIDED EGRESS WIDTH

MINIMUM EXITS REQUIRED (PER FBC SECTION 1006) PROVIDED = 2

MAXIMUM TRAVEL DISTANCE (PER FBC TABLE 1017.2) EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 250'

NOT REQUIRED

THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT AND OBTAIN A FIRE SPRINKLER PERMIT PRIOR TO INSTALLATION OR MODIFICATION OF THE SYSTEM.

WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH NFPA 101 SECTION 10.2

C.O.

COL.

CONC.

CONTR.

COOR.

D.S.

DSB

CONSTR.

CONCRETE MASONRY UNIT

CLEAN-OUT

COLUMN

CONCRETE

CONTINUOUS

CONTRACTOR

COORDINATE

CORRIDOR

CERAMIC TILE

DEDICATED

DIAMETER

DOWNSPOUT

DRAWING

DOUBLE STRENGTH

DRINKING FOUNTAIN

DOUBLE

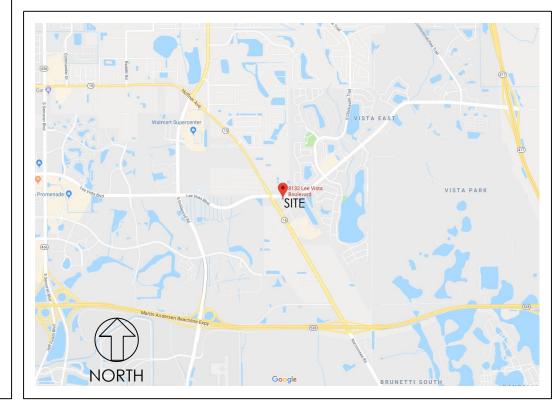
DETAIL

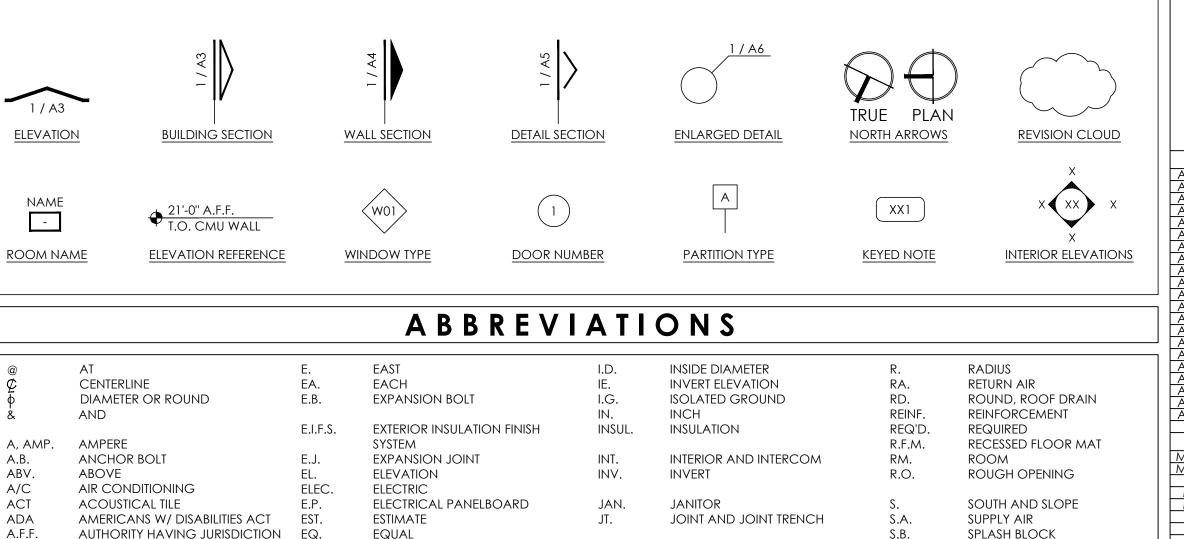
CONSTRUCTION

ARCHITECT'S STATEMENT OF FACT

BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEDGES THAT TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PROPOSED WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND FIRE SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY HAVING

PROJECT LOCATION





@	AT	E.	EAST	I.D.	INSIDE DIAMETER	R.	RADIUS
$\overset{\smile}{\sigma}$	CENTERLINE	EA.	EACH	IE.	INVERT ELEVATION	RA.	RETURN AIR
@ Д ф	DIAMETER OR ROUND	E.B.	EXPANSION BOLT	I.G.	ISOLATED GROUND	RD.	ROUND, ROOF DRAIN
		L.D.	LAI ANSION BOLI	IN.	INCH	REINF.	REINFORCEMENT
&	AND	E156	EVTERIOR INICIA ATION FINICIA				
		E.I.F.S.	EXTERIOR INSULATION FINISH	INSUL.	INSULATION	REQ'D.	REQUIRED
A, AMP.	AMPERE		SYSTEM			R.F.M.	RECESSED FLOOR MAT
A.B.	ANCHOR BOLT	E.J.	EXPANSION JOINT	INT.	INTERIOR AND INTERCOM	RM.	ROOM
ABV.	ABOVE	EL.	ELEVATION	INV.	INVERT	R.O.	ROUGH OPENING
A/C	AIR CONDITIONING	ELEC.	ELECTRIC				
ACT	ACOUSTICAL TILE	E.P.	ELECTRICAL PANELBOARD	JAN.	JANITOR	S.	SOUTH AND SLOPE
ADA	AMERICANS W/ DISABILITIES ACT	EST.	ESTIMATE	JT.	JOINT AND JOINT TRENCH	S.A.	SUPPLY AIR
A.F.F.	AUTHORITY HAVING JURISDICTION	EQ.	EQUAL	51.		S.B.	SPLASH BLOCK
A.H.J.	AREA LIGHTING	EQP.	EQUIPMENT	KIT.	KITCHEN	S.C.	SOLID CORE
							SCHEDULE
AL.	AREA LIGHTING	E.T.S.	EXPOSED TO STRUCTURE	K.O.	KNOCKOUT	SCHED.	
ALUM.	ALUMINUM	E.W.	EACH WAY			S.D.	SMOKE DETECTOR
ALT.	ALTERNATIVE	E.W.C.	ELECTRIC WATER COOLER	LAM.	LAMINATE	SEAL.	SEALANT
APPROX.	APPROXIMATE	EXH.	EXHAUST	LAV.	LAVATORY	SECT.	SECTION
ARCH.	ARCHITECT, ARCHITECTURAL	EXP.	EXPANSION	LBS.	POUNDS	S.F.	SQUARE FOOT/FEET
AUTO.	AUTOMATIC	EXT.	EXTERIOR	L.F.	LINEAR FEET	SHT.	SHEET
AW.	ACOUSTICAL WALL			L.P.	LOW POINT	SHTG.	SHEETING
		F.A.	FIRE ALARM	LS	LANDSCAPING	SIM.	SIMILAR
BRD.	BOARD	F.C.	FURRING CHANNEL	LJ	LANDSCALING	S.J.	SAW CUT JOINT
BLDG.	BUILDING	F.D.	FLOOR DRAIN	A A A CIV	A A A CONIDY	s.o.	SLAB OPENING
BLDG. BLK.		FDN.	FOUNDATION	MAS'Y	MASONRY		
	BLOCK	F.E.	FIRE EXTINGUISHER	MAX.	MAXIMUM	SPECS.	SPECIFICATIONS
BM.	BEAM	F.E.C.	FIRE EXTINGUISHER & CABINET	MDF	MEDIUM DENSITY FIBERBOARD	SQ.	SQUARE
B.O.	BOTTOM OF	F.F.E.	FINISH FLOOR ELEVATION	MECH.	MECHANICAL	S.S.	STAINLESS STEEL
B.O.F.	BOTTOM OF FRAMING			MTL.	METAL	SS.	SANITARY SEWER
B.O.C.	BASE OF CURB	F.F.L.	FINISH FLOOR LINE	MFR.	MANUFACTURER	STD.	STANDARD
BOT.	BOTTOM	F.H.C.	FIRE HOSE CABINET	M.H.	MANHOLE	STL.	STEEL
BRG.	BEARING	FIN.	FINISH (ED)	MIN.	MINIMUM	STRUC.	STRUCTURAL
BSMT.	BASEMENT	FLG.	FLASHING	MIR.	MIRROR	SUSP.	SUSPENDED
BTWN.	BETWEEN	FLR.	FLOOR (ING)	MISC.	MISCELLANEOUS		000. 2. (2.2)
B.U.	BUILT-UP	F.O.	FACE OF	M.O.	MASONRY OPENING	Т.	TREAD, TRANSFORMER
B.U.R.	BUILT-UP ROOF	F.O.C.	FACE OF CURB/CONCRETE			T&B	TOP & BOTTOM
D.U.K.	BUILT-UF KOOF	F.O.F.	FACE OF FINISH	MTD.	MOUNTED		
	COMPUIT OF OFFICIES	F.O.M.	FACE OF MASONRY	MATL.	MATERIAL (S)	T&G	TONGUE & GROOVE
C.	CONDUIT OR CELCIUS	F.O.S.	FACE OF STUDS	MWK.	MILLWORK	TBL.	TABLE
CAB.	CABINET					TELE.	TELEPHONE
C.B.	CATCH BASIN	FRP.	FIBER REINFORCED PANEL	N.	NORTH	T.F.C.I.	TENANT FURNISHED &
C.C.	CENTER TO CENTER	FT.	FOOT OR FEET	N.I.C.	NOT IN CONTRACT		CONTRACTOR INSTALLED
CEM.	CEMENT	FTG.	FOOTING	NO. OR #	NUMBER	T.F.T.I.	TENANT FURNISHED & TENANT
CFM.	CUBIC FEET PER MINUTE	FURR.	FURRING	NOM.	NOMINAL		INSTALLED
CFL.	COUNTER FLASHING			N.T.S.	NOT TO SCALE	THK.	THICKNESS
C.G.	CORNER GUARD	G.	GROUND AND NATURAL GAS	14.1.0.	110110 30/12	THRES.	THRESHOLD
CHT.	CEILING HEIGHT	GA.	GAUGE	0.0	ON CENTED (C)	T.O.	TOP OF
Спі. С.І.Р.	CAST IN PLACE	GAL.	GALLON	O.C.	ON CENTER (S)	T.O.C.	TOP OF CURB/CONCRETE
		GALV.	GALVANIZED	O.D.	OUTSIDE DIAMETER		
C.J.	CONTROL JOINT	G.B.	GRAB BAR	O.F.C.I.	OWNER FURNISHED &	T.O.P.	TOP OF PAVEMENT/PARAPET
CL.	COLUMN MOUNT	G.C.	GENERAL CONTRACTOR		CONTRACTOR INSTALLED	T.S.	TUBE STEEL
CLG.	CEILING		GROUND FAULT CIRCUIT	O.F.O.I.	OWNER FURNISHED &	TYP.	TYPICAL
CLR.	CLEAR	G.F.I.	INTERRUPTER		OWNER INSTALLED		
C.M.	CONSTRUCTION MANAGER	C I	GALVANIZED IRON (STEEL)	O/H	OVERHEAD	U.D.L.	UNIFORM DISTRIBUTED LOAD
O	0.0110000000000000000000000000000000000	GI	(3A VANI/EI) IR()N (NIEEI)			11110	LIVILECC MOTED OTHERWISE

GALVANIZED IRON (STEEL)

GROSS SQUARE FOOTAGE

HIGH POINT AND HORSE-POWER

HEATING VENTILATING AND AIR

GLUE-LAM BEAM

GROUND

HOSE BIBB

HANDICAPPED

HOLLOW METAL

CONDITIONING

HIGH DENSITY

HORIZONTAL

HOUR

HEIGHT

GYP. BRD. GYPSUM BOARD

G.L.B.

GND.

H.B.

H.C.

HORIZ.

H.P.

HR.

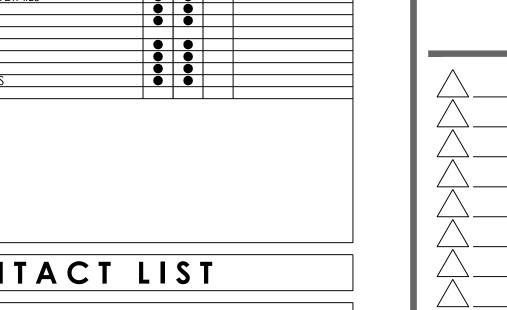
	∕IIL.	MEIAL	33.	SAMIAKI SEVVEK
١	ΛFR.	MANUFACTURER	STD.	STANDARD
١	Л.H.	MANHOLE	STL.	STEEL
	ΛIN.	MINIMUM	STRUC.	STRUCTURAL
	ΛIR.	MIRROR	SUSP.	SUSPENDED
	ΛISC.	MISCELLANEOUS	0001.	OCCI EI (DED
			T.	TREAD, TRANSFORMER
	۸.O.	MASONRY OPENING		
	ИTD.	MOUNTED	T&B	TOP & BOTTOM
	ΛATL.	MATERIAL (S)	T&G	TONGUE & GROOVE
١	лWK.	MILLWORK	TBL.	TABLE
			TELE.	TELEPHONE
\	١.	NORTH	T.F.C.I.	TENANT FURNISHED &
	1.I.C.	NOT IN CONTRACT		CONTRACTOR INSTALLED
	10. OR #	NUMBER	T.F.T.I.	TENANT FURNISHED & TENANT
	10. OK 11	NOMINAL		INSTALLED
		_	THK.	THICKNESS
`	1.T.S.	NOT TO SCALE		
			THRES.	THRESHOLD
	D.C.	ON CENTER (S)	T.O.	TOP OF
	D.D.	OUTSIDE DIAMETER	T.O.C.	TOP OF CURB/CONCRETE
	D.F.C.I.	OWNER FURNISHED &	T.O.P.	TOP OF PAVEMENT/PARAPET
		CONTRACTOR INSTALLED	T.S.	TUBE STEEL
_	D.F.O.I.	OWNER FURNISHED &	TYP.	TYPICAL
_).i O .i	OWNER INSTALLED		
_	D/H	OVERHEAD	U.D.L.	UNIFORM DISTRIBUTED LOAD
	DPG	OPENING	U.N.O.	UNLESS NOTED OTHERWISE
			U.O.N.	UNLESS OTHERWISE NOTED
).P.H.	OPPOSITE HAND	U.O.N.	ONLESS OTHERWISE NOTED
	OPP.	OPPOSITE		
	D.S.A.	OUTSIDE AIR	٧.	VOLTS AND VENT
	D.S.B.	ORIENTED STRAND BOARD	VENT.	VENTILATION
			VERT.	VERTICAL
)	/L.	PROPERTY LINE	VEST.	VESTIBULE
	EMB	PRE-ENGINEERED METAL BUILDING		VERIFY IN FIELD
	ER.	PERIMETER	V.C.T.	VINYL COMPOSITION TILE
	L.	PLATE	VTR.	VENT THRU ROOF
			V.W.C.	VINYL WALL COVERING
	.LAM.	PLASTIC LAMINATE	v.vv.C.	VIINTE VVALE COVERINO
	LUMB.	PLUMBING		
	LYWD.	PLYWOOD	W.	WEST, WATTS AND WATER
	NL.	PANEL	W/	WITH
)	'R	PAIR	W/O	WITHOUT
)	REFIN.	PREFINISHED	WD.	WOOD
	S.F.	POUNDS PER SQUARE FOOT	W.GL.	WIRE GLASS
	'.S.I.	POUNDS PER SQUARE INCH	W.H.	WATER HEATER
	.5.1. VC.	POLYVINYL CHLORIDE	WP.	WATERPROOF
	VC. VMT.		W.P.	WORK POINT
_	VIVII.	PAVEMENT		
			W.W.F.	WELDED WIRE FABRIC
	* * * * * * * * * * * * * * * * * * * *	TATELLI TI		

		0 ≥ 0	 			
			-			
	RCHITECTURAL					
A 001 A 011	COVER SHEET LIFE SAFETY PLAN	-				
A 021	RESPONSIBILITY SCHEDULE		-			
A 101	SITE PLAN - FOR INFORMATION ONLY		ŏ			
A 201	FLOOR PLAN	•	ě			
A 202	ROOF PLAN	•	•			
A 221	REFLECTED CEILING PLAN	•	•			
A 231	POWER & DATA PLAN LOW VOLTAGE SPECS & DETAILS	-				
A 232 A 241	FINISH PLAN	+				
A 301	EXTERIOR ELEVATIONS - FOR INFORMATION ONLY	_	-			
A 501	INTERIOR ELEVATIONS	•	ŏ			
A 502	INTERIOR ELEVATIONS	•	•			
A 503	INTERIOR ELEVATIONS	•	•			
A 601	MILLWORK DETAILS	-				
A 602	MILLWORK DETAILS	+ 👱				
A 701 A 801	ARCHITECTURAL DETAILS DOOR SCHEDULES & DETAILS	+				
A 901	ACCESSIBILITY DETAILS	+ 5	-			
A 902	ACCESSIBILITY DETAILS	Ť	ŏ			
A 903	ACCESSIBILITY DETAILS	•	Ŏ			
Μ	ECHANICAL - ELECTRICAL	. – F	P L U	M	BING	
MEP-1	MEP COVER SHEET - SYMBOLS	•	•			
MEP-2	MEP COVER SHEET - NOTES	•	•			
	1450HANIIOAH 5100D BI ANI					
M-1	MECHANICAL FLOOR PLAN	+ -	<u> </u>			
M-2	MECHANICAL SCHEDULES & DETAILS	-	•			
E-1	LIGHTING FLOOR PLAN		•			
E-2	POWER FLOOR PLAN	+ -	ŏ			
E-3	MECHANICAL POWER FLOOR PLAN	Ŏ	ě			
E-4	ELECTRICAL SCHEDULES & DETAILS	•	•			
E-5	ELECTRICAL SCHEDULES	•				
E-6	ELECTRICAL DETAILS	-	•			
P-1	PLUMBING FLOOR PLAN		•			
P-2	PLUMBING SCHEDULES	+ -	-			
P-3	PLUMBING DETAILS	1	ŏ			
P-4	PLUMBING RISER DIAGRAMS	Ŏ	ě			
				_		
	CONTACT		2	ſ		
	CONIACI		<u> </u>			
PR∩ IF	CT MANAGEMENT: ARCHITEC	T٠				
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		DANA			/ A C 7 E O O O	

DRAWING INDEX

NEW / REVISED SHEET

O REISSUED SHEET



2232 DANA DRIVE FLOWER MOUND, TEXAS 75028

DALLAS, TEXAS 75225 CONTACT: JOHN DICKERSON PHONE: 214 691 5300

AOS ENGINEERING 5020 TENNYSON PKWY. PLANO, TEXAS 75024

PHONE: 214 799 5031

CONTACT: ERNIE GLOTTA

CONTACT: ANGIE BERRYMAN PHONE: 214 432 3030

PRINT RECORD

<u>PURPOSE</u> 10 / 15 / 2018 OWNER REVIEW 10 / 29 / 2018

CONSTRUCTION ISSUE

REVISIONS

1821 - A 001 TITLE SHEET.DWG

TITLE

Project No. 10-29-2018 Last Revision

NON-BEARING WALL RATING-IHR.

1. FLOOR AND CEILING RUNNERS CHANNEL SHAPED RUNNERS, 3-5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, FORMED FROM MIN NO. 25 MSG (MIN NO. 20 MSG WHEN ITEM 4C IS USED) GALV STEEL, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED 24 IN. OC MAX.

2. STEEL STUDS CHANNEL SHAPED, 3-5/8 IN. WIDE (MIN), 1-1/4 IN. LEGS, 3/8 IN. FOLDED BACK RETURNS, FORMED FROM MIN NO. 25 MSG (MIN NO. 20 MSG WHEN ITEM 4C IS USED) GALV STEEL SPACED 24 IN. OC MAX.

3. BATTS AND BLANKETS * (OPTIONAL) -- MINERAL WOOL OR GLASS FIBER BATTS PARTIALLY OR COMPLETELY FILLING STUD CAVITY. SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR NAMES OF CLASSIFIED COMPANIES.

3A. FIBER, SPRAYED * AS AN ALTERNATE TO BATTS AND BLANKETS (ITEM 3) -- SPRAY APPLIED CELLULOSE INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETELY FILL THE ENCLOSED CAVITY IN ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE PRODUCT. NOMINAL DRY DENSITY OF 3.0

U S GREENFIBER L L C -- COCOON STABILIZED CELLULOSE INSULATION.

4. GYPSUM BOARD * 5/8 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL STUDS AND FLOOR AND CEILING TRACK WITH I IN. LONG, TYPE S STEEL SCREWS SPACED 8 IN. OC. ALONG EDGES OF BOARD AND 12 IN. OC IN THE FIELD OF THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITE SIDES OF THE ASSEMBLY. WHEN ATTACHED TO ITEM 6 (RESILIENT CHANNELS) OR 6A (FURRING CHANNELS),

TYPES AG-C, AGX-C

TYPES AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC OR WRX.

TYPES LGFC2, LGFC2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A.

TYPE AR, C, FRX-G, IP-AR, IP-X2, IPC-AR, SCX, SHX,

TYPE AR, C, IP-AR, IP-X2, IPC-AR, SCX, SHX, WRC OR WRX.

TYPES CG-C, CG5-5, CG6-6, CG9-9, CGTC-C.

TYPES FSK-C, FSK-G, FSW-C, FSW-G, FSW

TYPES 5, 9, C, DGG, DS, GPFS6.

TYPE MAX "C" OR FIRE X.

TYPE PG-C.

TYPE EX-1

TYPE SG-C.

TYPE TG-C.

TYPE WESTROC FI-ROK.

AMERICAN GYPSUM CO BEIJING NEW BUILDING MATERIALS CO LTD BPB AMERICA INC

BPB CELOTEX CANADIAN GYPSUM COMPANY CONTINENTAL GYPSUM COMPANY G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP JAMES HARDIE GYPSUM INC LAFARGE GYPSUM, DIV OF LAFARGE CORP

NATIONAL GYPSUM CO PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INE-SIAM GYPSUM INDUSTRY CO LTD STANDARD GYPSUM L L C

TEMPLE-INLAND FOREST PRODUCTS CORP UNITED STATES GYPSUM CO USG MEXICO S A DE C V WESTROC INC

4A. GYPSUM BOARD * (AS AN ALTERNATE TO ITEM 4) -- NOM 3/4 IN. THICK, 4 FT WIDE, INSTALLED AS DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN.

CANADIAN GYPSUM COMPANY -- TYPES AR, IP-AR.

UNITED STATES GYPSUM CO -- TYPES AR, IP-AR.

USG MEXICO S A DE C V -- TYPES AR, IP-AR. 4C. GYPSUM BOARD * (AS AN ALTERNATE TO ITEM 4, 4A AND 4B) -- 5/8 IN. THICK GYPSUM PANELS, INSTALLED AS DESCRIBED IN ITEM 4 WITH TYPE S-12 STEEL SCREWS. THE LENGTH AND SPACING OF THE SCREWS AS SPECIFIED UNDER ITEM 4.

CANADIAN GYPSUM COMPANY -- TYPE FRX. UNITED STATES GYPSUM CO -- TYPE FRX.

5. JOINT TAPE AND COMPOUND VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOMINAL 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.

5. **RESILIENT CHANNEL (OPTIONAL-NOT SHOWN)** -- 25 MSG GALV STEEL RESILIENT CHANNELS SPACED VERTICALLY MAX 24 IN. OC, FLANGE PORTION ATTACHED TO EACH INTERSECTING STUD WITH 1/2 IN. LONG TYPE S-12 PANHEAD STEEL SCREWS. NOT FOR USE WITH TYPE FRX GYPSUM PANELS.

6A. STEEL FRAMING MEMBERS (NOT SHOWN) * AS AN ALTERNATE TO ITEM 3, FURRING CHANNELS AND RESILIENT SOUND ISOLATION CLIP AS DESCRIBED BELOW:

A. FURRING CHANNELS FORMED OF NO. 25 MSG GALV STEEL. 2-3/8 IN. WIDE BY 7/8 IN. DEEP, SPACED 24 IN. OC PERPENDICULAR TO STUDS, CHANNELS SECURED TO STUDS AS DESCRIBED IN ITEM B.

B. STEEL FRAMING MEMBERS * USED TO ATTACH FURRING CHANNELS (ITEM A) TO STUDS (ITEM 1). CLIPS SPACED 48 IN. OC., AND SECURED TO STUDS WITH 1-5/8 IN. WAFER OR HEX HEAD TYPE S STEEL SCREW THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FITTED INTO CLIPS.

PAC INTERNATIONAL -- TYPE RSIC-I. *BEARING THE UL CLASSIFICATION

OUTLET BOXES IN FIRE RATED WALLS

A UL CLASSIFIED WALL OPENING PROTECTIVE MATERIAL (COMMONLY KNOWN AS "PUTTY PADS" OR "INSERT PADS") SHALL BE USED IN THE FOLLOWING CASES:

- WHERE BOXES ARE INSTALLED IN FIRE RATED WALLS.
- WHERE THE OPENINGS IN THE WALL BOARD FACE ARE CUT SO THAT THE DISTANCE BETWEEN THE BOX AND THE WALL BOARD EXCEED 1/8"
- THE HORIZONTAL SEPARATION OF BACK TO BACK OUTLETS IS LESS THAN 24 INCHES.
- THE INDIVIDUAL OUTLET (OR SWITCH) BOXES EXCEED AN AREA OF 16 INCHES.
- THE ENTIRE SURFACE AREA OF THE BOX EXCEEDS 100 SQUARE INCHES IN EVERY 100 SQUARE FEET OF WALL SURFACE.

CODE SUMMARY

SECTION 303 - ASSEMBLY GROUP A

303.1.2 SMALL ASSEMBLY SPACES.

The following rooms and spaces shall not be classified as assembly occupancies: 1. A room or space used for assembly purposes with an occupant load of less than 50 persons and accessory to another occupancy shall be classified as a Group B occupancy or as part of that

occupancy. 2. A room or space used for assembly purposes that is less than 750 square feet in area and accessory to another occupancy shall be classified as a Group B occupancy or as part of that

SECTION 304 - USE AND OCCUPANCY CLASSIFICATION

BUSINESS GROUP B - CLINIC, OUTPATIENT

TABLE 508.4 - REQUIRED SEPARATION OF OCCUPANCIES

- In buildings equipped throughout with an automatic sprinkler system, the required separations shall be: • Between Occupancy A (adjacent tenant) and Occupancies B (this project) is 1 hour.
- DEMISING WALL FIRE-RESTANCE RATING = 1 HOUR. • No separation requirement between Occupancies B, F-1, M, S-1.

• Per exception **d**, separation is not required between occupancies of the same classification.

In construction type II-B SPRINKLERED, the fire-resistance rating for all building elements is 0 hours. TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT Accessory storage areas, mechanical equipment room = 300 gross

TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

Business areas = 100 gross TOTAL OCCUPANT LOAD = 29 (refer to plan)

SECTION 1005.3.2 - EGRESS COMPONENTS (NON-STAIRWAYS) OCCUPANT LOAD $\times 0.2'' = 29 \times 0.2'' = 5.8''$

5.8" REQUIRED / 68" PROVIDED (refer to plan)

TABLE 1006.2.1 - SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

MAXIMUM OCCUPANT LOAD IN GROUP B OCCUPANCIES WITH ONE EXIT IS 49 MAXIMUM OCCUPANT LOAD OF SPACES = 29

FOR GROUP B OCCUPANCIES EQUIPPED THROUGHOUT WITH A SPRINKLER SYSTEM, COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 100' **MAXIMUM 72'-6"**

TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE

FOR GROUP B OCCUPANCY EQUIPPED THROUGHOUT WITH A SPRINKLER SYSTEM, EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 250' MAXIMUM 72'-6"

FIRE EXTINGUISHERS

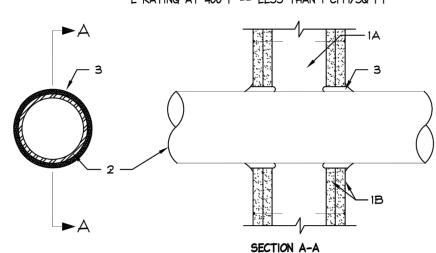
INSTALLATION OF FIRE EXTINGUISHERS AND CABINETS SHALL COMPLY WITH FLORIDA FIRE PREVENTION CODE AND NFPA 10: STANDARDS FOR PORTABLE FIRE EXTINGUISHERS.

REFER TO PLAN FOR LOCATION OF FIRE EXTINGUISHERS AND CABINETS: 'FEC' INDICATES LOCATIONS FIRE EXTINGUISHERS MOUNTED IN CABINET. 'FE' INDICATES LOCATIONS OF WALL MOUNTED FIRE EXTINGUISHERS.

PROVIDE ABC DRY CHEMICAL TYPE 3A-40BC, OR EQUIVALENT, LIGHT HAZARD EXTINGUISHER, TYPICAL.

UL DESIGN NO. W-L-1001

(FORMERLY SYSTEM NO. 147) 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 AMBIENT -- LESS THAN 1 CFM/SQ F L RATING AT 400 F -- LESS THAN I CFM/SQ FT



I. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS 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 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.

B. GYPSUM BOARD * NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD 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 DIAM OF OPENING IS 13-1/2 IN.

2. PIPE OR CONDUIT NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM (OR SMALLER) TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM I IN. DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON

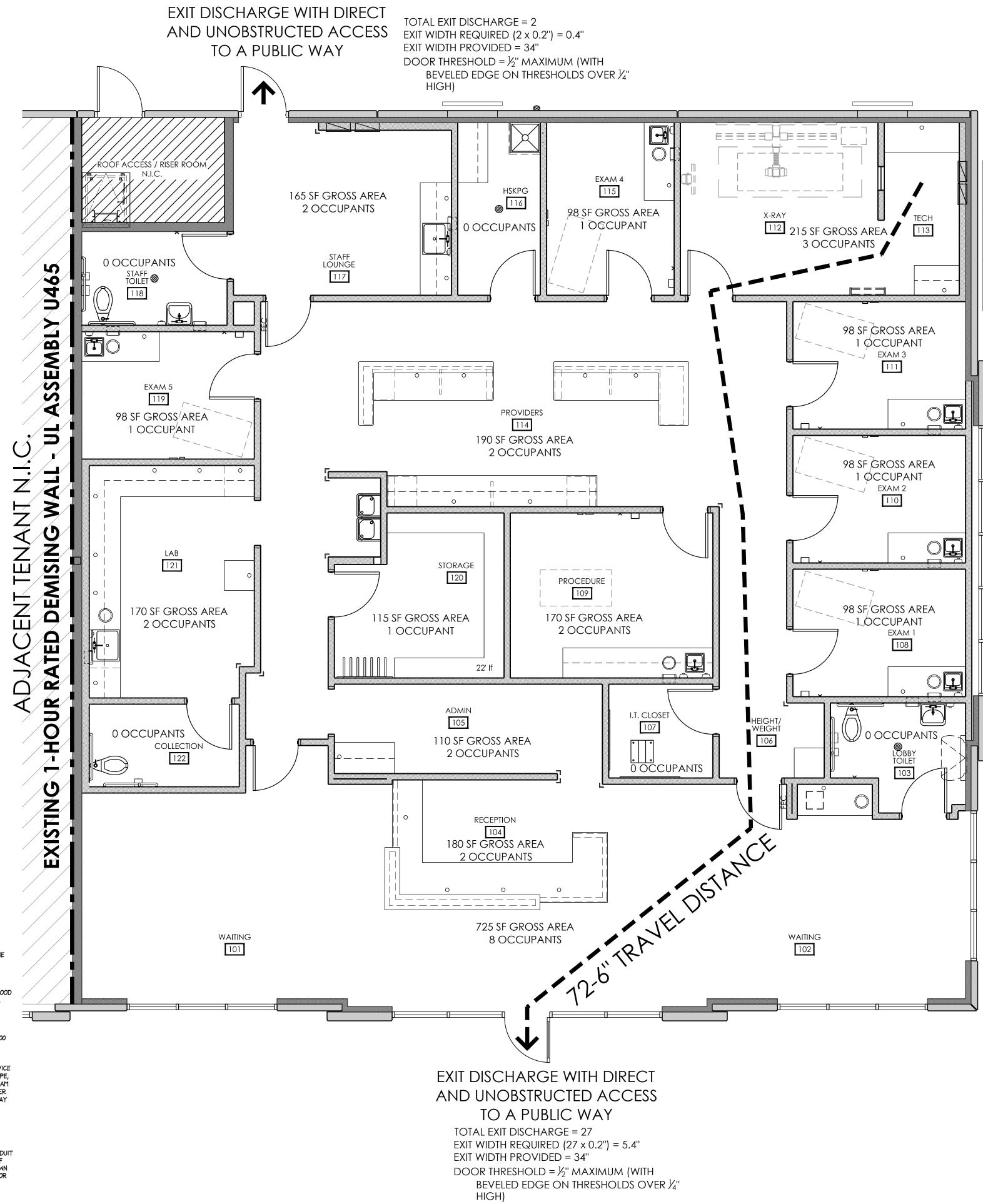
3. FILL, VOID OR CAVITY MATERIAL * -- CAULK CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN IN THE FOLLOWING TABLE. THE HOURLY T RATING OF 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:

LIFE SAFETY PLAN

ANNULAR SPACE IN. F RATING HR T RATING HR

1/4 to 1/2 3 or 4 3 or 4 1 or 2

3 or 4 1 or 2 +WHEN COPPER PIPE IS USED, T RATING IS 0 H. -- CP 25WB+ *BEARING THE UL CLASSIFICATION MARK



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LIFE SAFETY PLAN

LADDER RACK

DVR / HDMI CABLES

WIRELESS ACCESS POINTS

TV HDMI EXTENDER KITS (SENDER & RECEIVER)

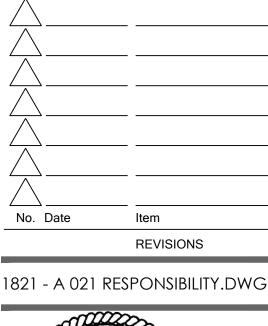
HDMI CABLES TO BE INSTALLED WITHIN RIGID CONDUIT

CONDUIT TO BE SIZED TO ACCOMODATE HDMI PLUG ENDS.

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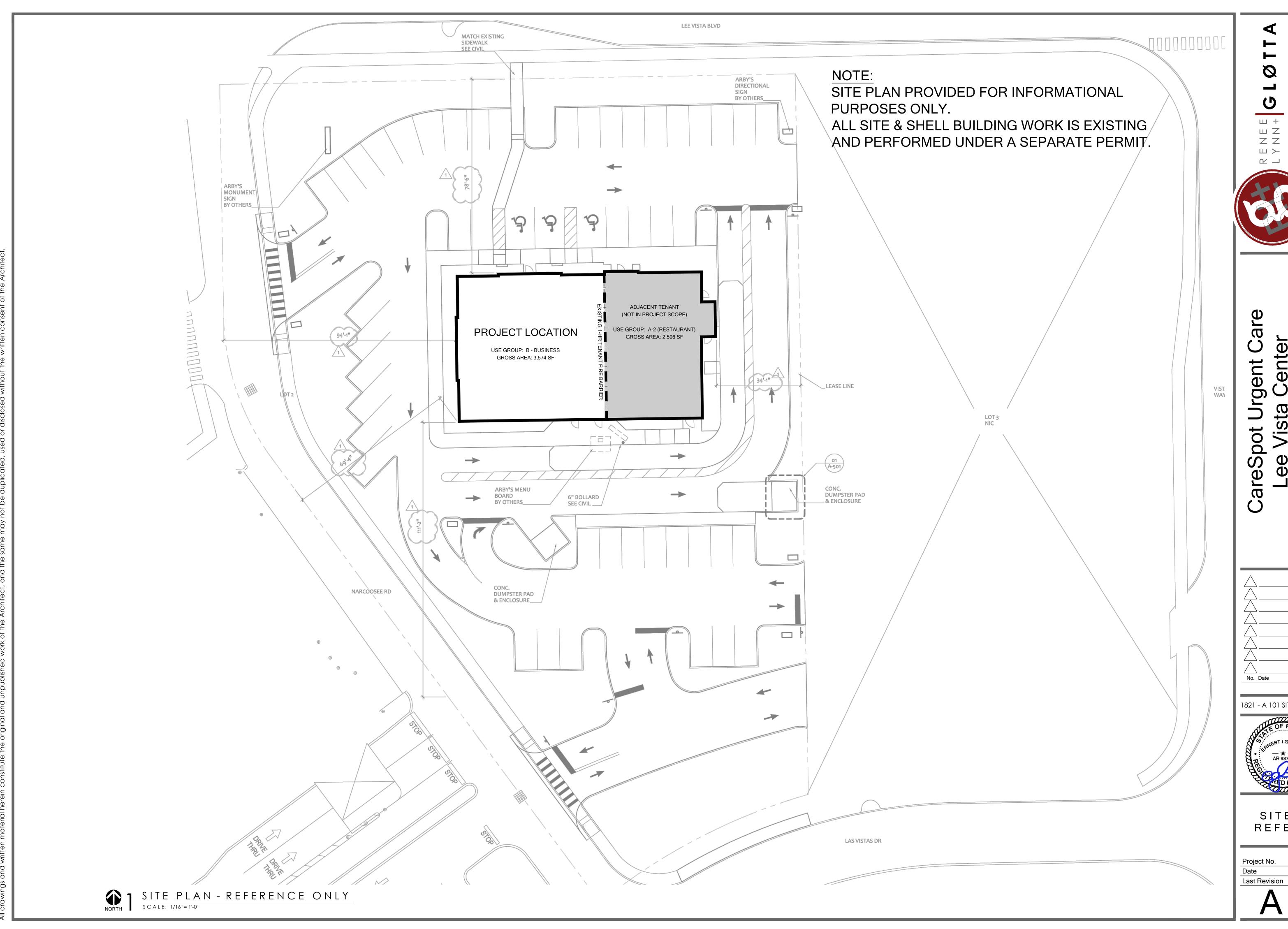
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RESPONSIBILITY SHEDULE

10 / 29 / 2018

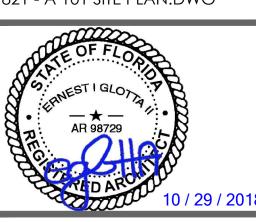
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SITE PLAN REFERENCE

10 / 09 / 2018

CONTINUOUS AROUND PERIMETER OF ROOM.

21. COMPUTER NETWORK RACK; SEE ELEVATIONS

FOR PLYWOOD WALL PANEL LOCATIONS.

23. SWITCH ACTIVATED WATER SHUTOFF SOLENOID

NEW SHELL DRAWINGS. NEW OPAQUE FILM

NEW PARTITIONS ARE INSTALLED IN FRONT

(INTERIOR SIDE) OF STOREFRONT WINDOWS.

FURNISH AND INSTALL UPPER & LOWER AIR TRANSFER GRILLES AT EACH END OF WINDOW

INSTALLED BY G.C. TO INTERIOR FACE BEFORE

24. EXISTING STOREFRONT GLAZING SYSTEM PER

22. PROVIDE BLOCKING FOR X-RAY IMAGING

FOR COLLECTION TOILET.

20. DIAPER CHANGING STATION, PROVIDE

SEE ELEVATIONS.

BLOCKING.

OPENINGS.

3. MILLWORK, SEE PLANS, ELEVATIONS & DETAILS. 4. INTERIOR SIGNAGE.

5. PROVIDE BLOCKING FOR MULTIMEDIA SCREENS; SEE ELEVATIONS.

SHELF & WATER HEATER ABOVE.

PAPER TOWEL DISPENSER; PROVIDE RECESS. 8. FIRE EXTINGUISHER (& CABINET WHERE NOTED).

FURNISH & INSTALL REQUIRED SIGNAGE. 9. RELOCATED ELECTRICAL SUB PANELS AND BREAKERS. SEE ELECTRICAL DRAWINGS.

10. SERVICE SINK. SEE PLUMBING DRAWINGS. 11. LOCKERS.

12. NEW FLUSH MOUNTED ELECTRICAL PANELS; CIRCUIT BREAKERS; AND/OR DISCONNECTS. SEE ELECTRICAL DRAWINGS. 13. PROVIDE BLOCKING FOR DIAGNOSTIC

EQUIPMENT; SEE ELEVATIONS. 14. FURNISH & INSTALL CRUTCH RACKS. PROVIDE BLOCKING FOR CRUTCH RACK; SEE

ELEVATIONS. 15. PROVIDE FRP WAINSCOT TO 48" A.F.F., w/ TOP, BOTTOM AND SIDE TRIM. SEAL ALL CORNERS & EDGES; SEE ELEVATIONS.

16. EXISTING BUILDING LIGHT FIXTURE TO REMAIN 25. PROVIDE & INSTALL 3/4" FIRE RETARDANT (ON HOUSE PANEL) PLYWOOD PANELS AS SHOWN. PAINT ALL 6 SIDES w/ 2 COATS OF WHITE PAINT LEAVING 18. LEAD GLASS WINDOW AND LEAD LINED FRAME; ONE COPY OF THE FIRE RATING STAMP VISIBLE. SEE ELEVATIONS. VOIDS IN PLYWOOD TO BE FILLED PRIOR TO 19. HEAVY DUTY ADJUSTABLE SHELVING; PAINTING. SHEETS ARE TO BE INSTALLED 6" A.F.F.

> 26. PROVIDE WEATHERPROOF BUILDING ADDRESS EXTERIOR OF DOOR. LETTERING TO BE A MIN. OF 6" HIGH w/ 3/4" STROKE ON CONTRASTING BACKGROUND.

27. TYPE 'T' INTERIOR SIGNAGE MOUNTED ABOVE WATER CLOSETS. REFER TO DETAIL THIS SHEET FOR TEXT COPY.

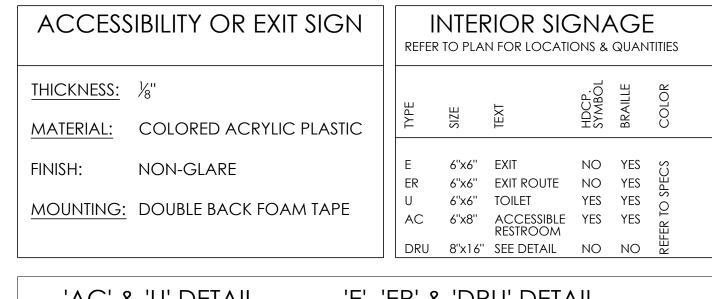
AND SHALL EXTEND 96" VERTICALLY.

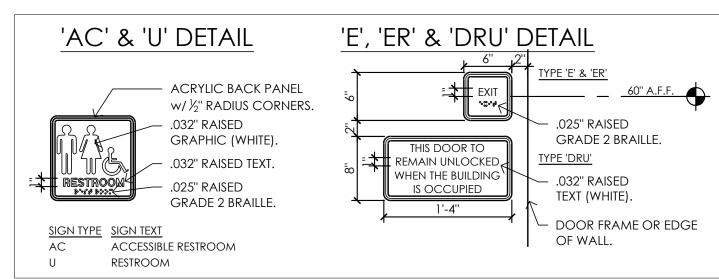
10'-11/4"

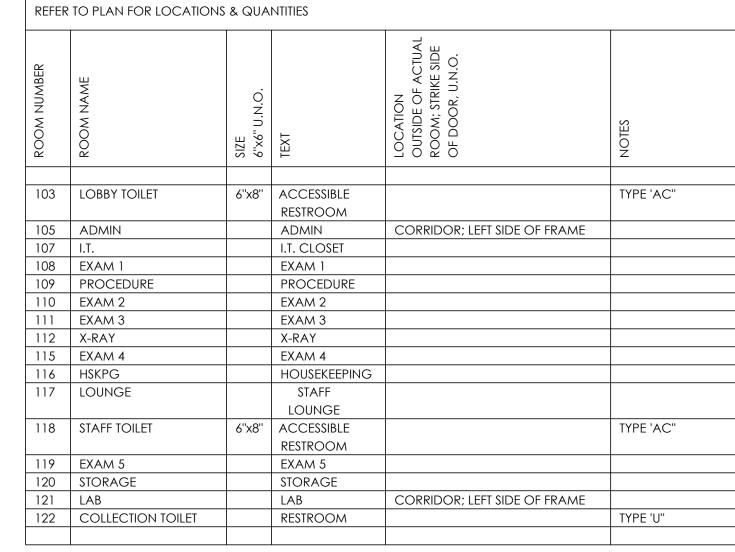
14'-61/4"

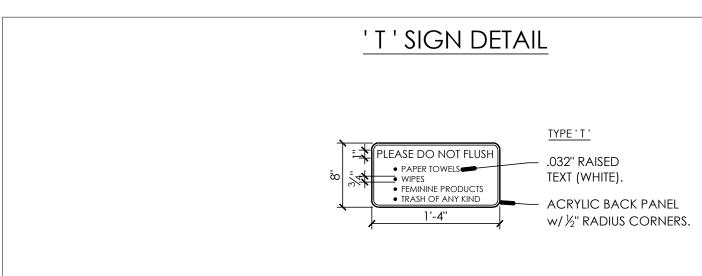
WAYFINDING

ROOM SIGNAGE









PLAN ABBREVIATIONS

AR BD	APRON RACK BEVERAGE DISPENSER
СH	COAT HOOK
DC	DIAPER CHANGING STATION
EWC	ELECTRIC WATER COOLER
EWH	
FE	FIRE EXTINGUISHER (WALL MOUNTED)
FEC	,
GR	GLOVE RACK
HS	HAND SANITIZER
WC-1	HANDICAP TOILET W/ PRESSURE-ASSISTED TANK
WC-2	HANDICAP TOILET W/ FLUSH VALVE
MS	MOP SINK
OTO	OTOSCOPE
PT	PLAN TUBE
RS	ROLLER SHADE
S-1	LONGE SINK w/ DISPOSAL
S-2	EXAM SINK
S-3	LAB SINK
SC	SHARPS CONTAINER
SD	SOAP DISPENSER

GENERAL NOTES

TOILET TISSUE DISPENSER

WIRELESS ACCESS POINT

SANITARY NAPKIN DISPOSAL

TOWEL DISPENSER

TD

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1. FIELD VERIFY ALL DRAWINGS & DIMENSIONS W/ EXISTING CONDITIONS.

TRASH GROMMET (Ø10" STAINLESS STEEL)

2. FLOOR PLAN WALL DIMENSIONS ARE TO FACE OF EXISTING WALL, FACE OF EXISTING STUDS, FACE OF NEW CONCRETE, FACE OF NEW MASONRY OR TO FACE OF NEW G.W.B.

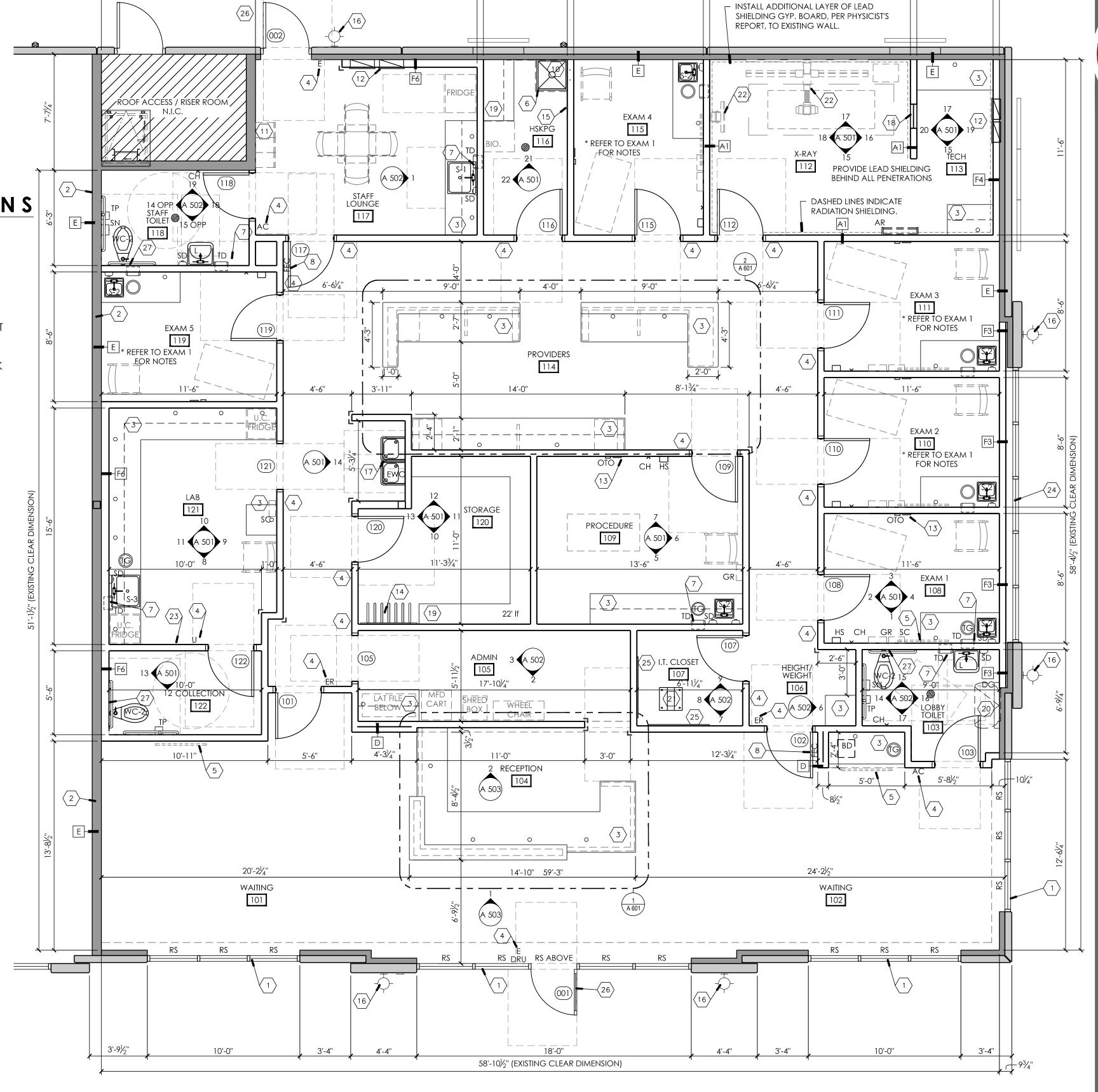
3. PATCH EXISTING MATERIALS (SCHEDULED TO REMAIN) THAT WERE DAMAGED DUE TO NEW DEMOLITION OR CONSTRUCTION, AS REQUIRED. 4. VERIFY ALL EQUIPMENT DETAILS & DIMENSIONS

w/ MANUFACTURER'S DRAWINGS. 5. FOR FINISHES SEE FINISH PLAN AND FINISH SCHEDULE.

CONTRACTOR'S COST.

ALL PARTITIONS ARE TYPE **A3** U.N.O. 7. ALL ROOFING WORK SHALL BE DONE BY LANDLORD'S APPROVED ROOFER AT GENERAL

8. PERIMETER WALLS (EXTERIOR AND DEMISING) TO REMAIN. PATCH AND REPAIR AS REQUIRED.



48'-91/4" (EXISTING CLEAR DIMENSION)



FLOOR PLAN

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

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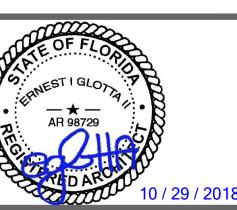
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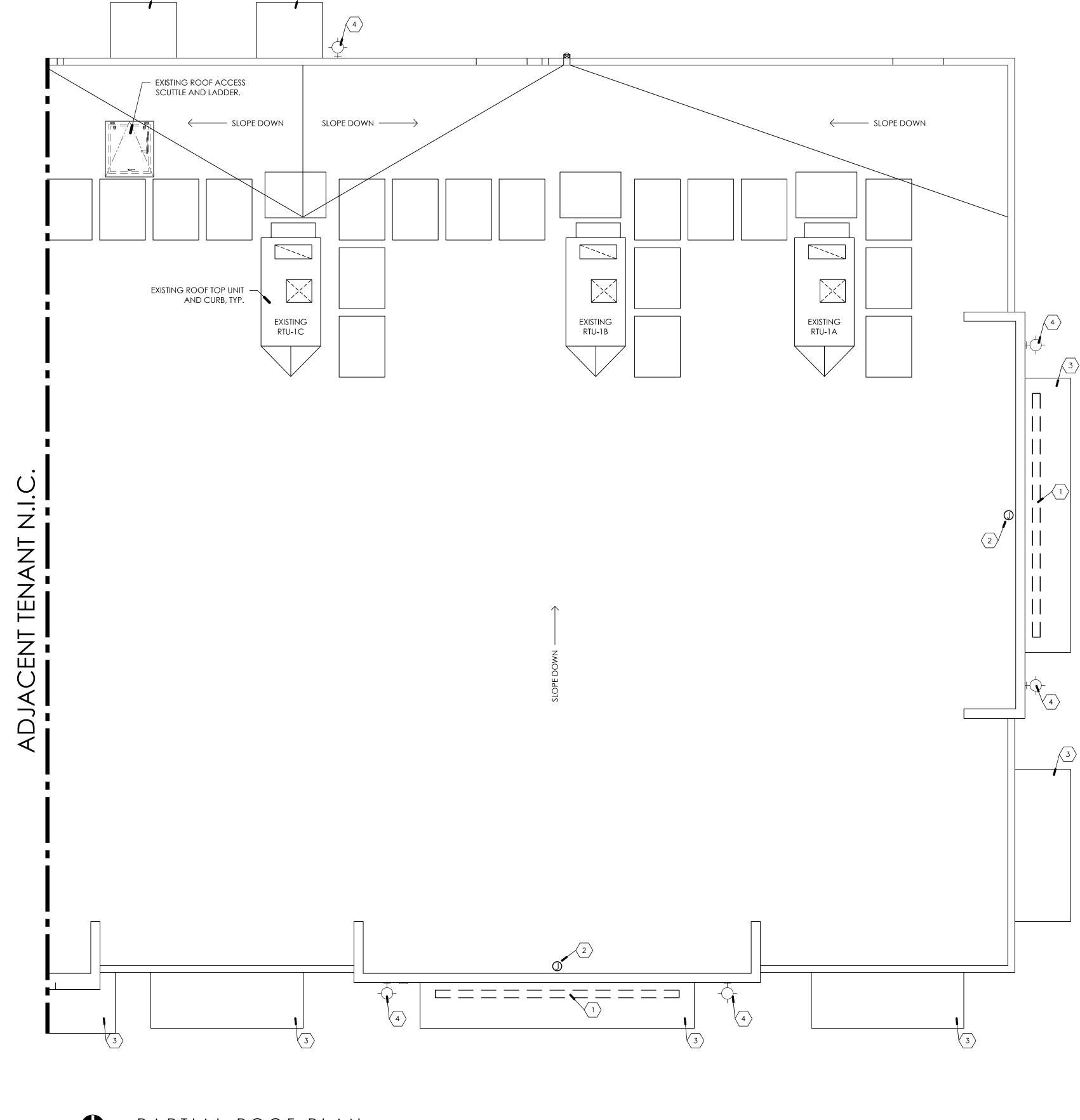
FLOOR PLAN

GENERAL NOTES

- 1. FIELD VERIFY ALL DRAWINGS & DIMENSIONS W/ EXISTING CONDITIONS.
- 2. PATCH EXISTING MATERIALS (SCHEDULED TO REMAIN) THAT WERE DAMAGED DUE TO NEW DEMOLITION OR CONSTRUCTION.
- 3. ALL ROOFING WORK SHALL BE DONE BY LANDLORD'S APPROVED ROOFER AT GENERAL CONTRACTOR'S COST.
- 4. REFER TO M-E-P DRAWINGS FOR LOCATIONS OF EXHAUST FAN, PLUMBING STACK AND ELECTRICAL ROOF PENETRATIONS.

KEYED NOTES

- 1. TENANT SIGNAGE BY SIGN CONTRACTOR NOT IN PROJECT SCOPE.
- 2. WEATHER-PROOF J-BOX MOUNTED TO BACK SIDE OF PARAPET WALL. CIRCUIT BACK TO PANEL BOARD; COORDINATE SIZES, LOCATION AND POWER REQ'TS w/ SIGN CONTRACTOR. G.C. TO COORDINATE AND ENGAGE LANDLORD'S ROOFING CONTRACTOR FOR ALL ROOF PENETRATION WORK.
- 3. EXISTING PRE-ENGINEERED METAL CANOPY
- 4. EXISTING SHELL BUILDING LIGHT FIXTURE BELOW; WIRED TO HOUSE PANEL.

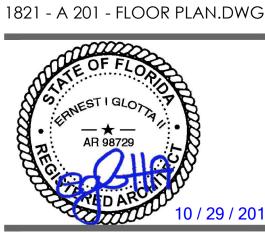






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ROOF

5. ALL LIGHTING SHALL RECEIVE ENERGY COMPLIANT SWITCHING.

CEILING HEIGHTS 9'-0" U.N.O. 7. SYMBOL ((GP)) DENOTES SPEECH PRIVACY DEVICE LOCATIONS. CENTER ALL DEVICES IN CEILING TILE, TYP.

8. NOTIFY THE ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATION WITH MAIN TEES, DUCTS, STRUCTURE, HVAC, CONDUIT, PIPES, ETC.

9. ALL DEVICES AND COVER PLATES TO BE WHITE, U.N.O. 10. WHERE MORE THAN ONE SWITCH OCCURS IN A SINGLE LOCATION, ALL SWITCHES ARE TO

BE GANGED UNDER ONE COVER PLATE. 11. PROVIDE LIGHTING CONTROLS TO CONFORM TO ENERGY CODE (IECC).

12. PROVIDE EXIT SIGNS AND EMERGENCY LIGHTING AS REQUIRED BY CODE. 13. ACCESS PANELS IN GYP. BD. CEILINGS ARE TO BE AVOIDED AND ARE UNACCEPTABLE WITHOUT ARCHITECT'S APPROVAL.

14. PROVIDE FIRESTOPPING / DRAFTSTOPPING AS REQUIRED BY CODE. 15. USE ONLY 12 ga. GALVANIZED STEEL WIRE FOR ALL SUSPENDED CEILING SYSTEMS @ 48"

o.c. MAX., WRAP 3 FULL TIMES. 16. VERIFY EXACT LOCATIONS OF ALL PENDANT, ACCENT AND SPECIALITY LIGHTS W/ TEANT

REPRESENTATIVE PRIOR TO INSTALLATION. 17. ALL RETURN & SUPPLY AIR GRILLES SET IN GYP. BD. TO BE PAINTED TO MATCH.

18. LOCATE ALL LIGHTS, DIFFUSERS, DEVICES AND OTHER PENETRATIONS CENTERED IN CEILING TILES, U.N.O.

SPRINKLER NOTES

RUN ALL SPRINKLER LINES WITHIN JOIST SPACES.

SPRINKLER SUB-CONTRACTOR TO AVOID ALL CONFLICTS WITH ELECTRICAL, MECHANICAL, PLUMBING AND STRUCTURAL. COORDINATE WITH ALL TRADES PRIOR TO INSTALLATION.

ALL HEADS NOT LOCATED IN THE STOCK ROOM SHALL BE THAT OF THE RECESSED WHITE TYPE, U.N.O.

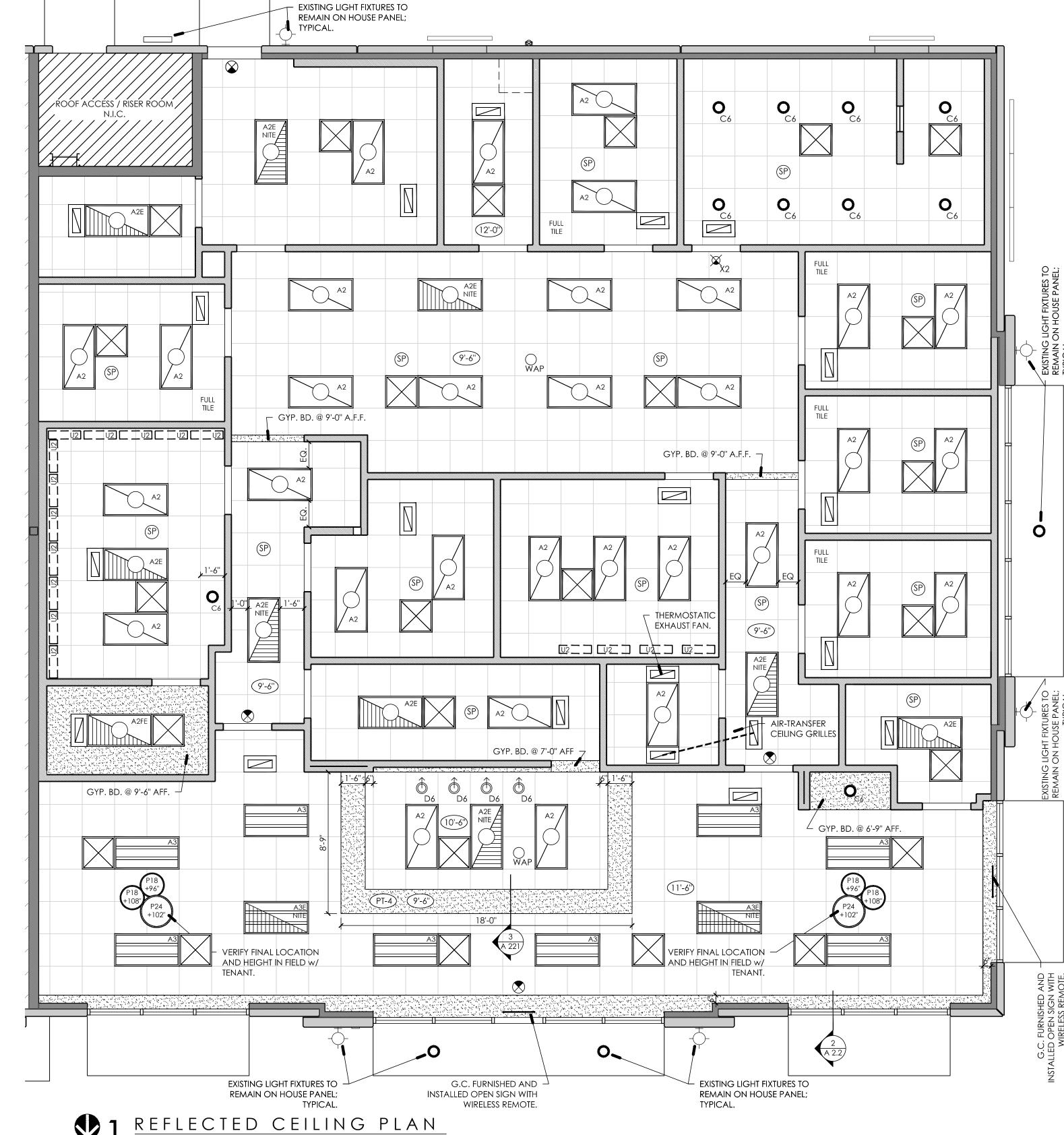
ALL HEADS IN HARD CEILINGS (i.e. GYP. BOARD) TO BE RECESSED WITH COVERS PAINTED TO MATCH ADJACENT FINISHES.

CENTER ALL HEADS ON 24"x24" SECTION OF LAY-IN CEILING TILES.

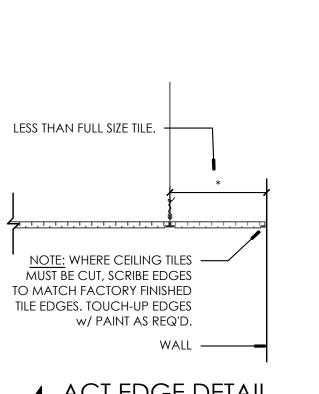
LIGHTING NOTES

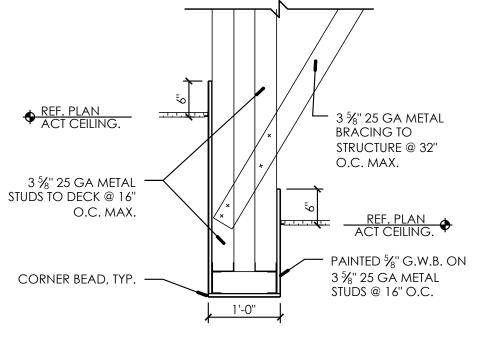
1. REFER TO ELECTRICAL FOR LUMINAIRE SCHEDULE.

- 2. PROVIDE A SUBMITTAL PACKAGE INCLUDING CUTSHEETS FOR EACH FIXTURE.
- 3. PROVIDE ALL ACCESSORIES FOR A COMPLETE ASSEMBLY INCLUDING MOUNTING
- 4. THE MOUNTING TYPE OF EACH FIXTURE SHALL BE COMPATIBLE WITH INSTALLATION SURFACE OF EACH FIXTURE.
- 5. ALL FINISHES SHALL BE COORDINATED WITH ARCHITECT AND DOCUMENTED ON
- 6. ALL FLUORESCENT LAMPS SHALL BE 3500L NON-MERCURY TYPE.
- 7. PROVIDE COLD WEATHER RATED BALLAST FOR OUTDOOR APPLICATIONS.

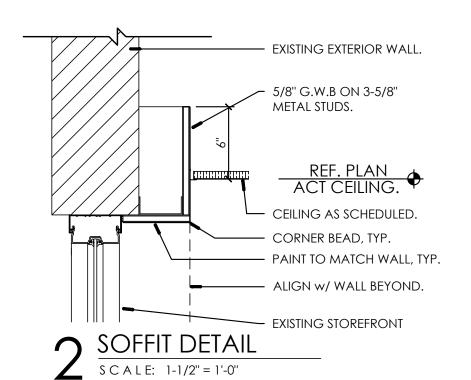








3 RECEPTION SOFFIT DETAIL
SCALE: 3/4" = 1'-0"



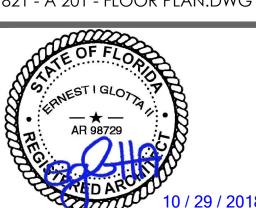
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REFLECTED **CEILING PLAN**

POWER & DATA NOTES

- 1. SYMBOL (AV) DENOTES LOCATIONS OF VIDEO MONITORS. REFER TO SHEET A 8.1 FOR SETUP DETAILS.
- 2. SYMBOL ((TS)) DENOTES LOCATION OF WATER LINE SOLENOID FOR COLLECTION TOILET. INSTALL SOLENOID ABOVE CEILING, ACCESSIBLE FROM THE LAB SIDE. SOLENOID CONTROLLED BY RED SWITCH LOCATED IN
- 3. ALL OUTLETS AND DATA INSTALLED AT 18" A.F.F., UNLESS NOTED OTHERWISE.
- 4. ALL DEVICES AND COVER PLATES TO BE WHITE, UNLESS NOTED
- 5. REFER TO INTERIOR ELEVATIONS FOR DIMENSIONS FOR POWER AND DATA DEVICES.

X-RAY GENERAL NOTES

- 1. VERIFY REQUIREMENTS WITH TENANT SUPPLIED X-RAY EQUIPMENT SHOP DRAWINGS. 2. WOOD BLOCKING FOR X-RAY EQUIPMENT TO BE A MINIMUM OF 1/2" THICK SECURED TO A MINIMUM OF
- THREE (3) STUDS w/ THE FACE OF BLOCKING FLUSH w/ LINE OF STUDS. 3. VERIFY SHIELDING REQUIREMENTS W/ TENANT SUPPLIED PHYSICIST'S REPORT PRIOR TO INSTALLING LEAD

X-RAY ELECTRICAL KEY NOTES

- BREAKER ENCLOSURE FLUSH-MOUNTED AT 44" AFF. 208V-240VAC, THREE PHASE / SHUNT TRIP TYPE BASED ON SPECS RELOW ELIBRISH AND INSTALL FLUED STATE OF S SPECS BELOW. FURNISH AND INSTALL EMERGENCY OFF SWITCH (EOS) IN GENERAL AREA OF CONTROL ROOM AS SHOWN. PROVIDE 6' SEALTIGHT CONDUIT WITH 18" PIGTAIL ON GENERATOR SIDE. RUN FROM (JB5) TO REAR OF GEN. CABINET, USING TWO (2) 90 DEGREE ELBOWS. REFER TO SCHEMATIC FOR MORE DETAILS.
- FLUSH-MOUNTED AT 44" AFF, BREAKER ENCLOSURE TO INCLUDE TWO (2) 120VAC/20A BREAKERS/DISCONNECTS FOR SUPPLY TO DESIGNATIONS: (JB5) AND (JB3). LEAVE 6FT PIGTAIL AT JUNCTION BOXES. ELECTRICIAN TO DETERMINE BEST METHOD OF RUN ACCORDING TO LOCAL CODES.
- (JB1) 8"x8" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER.
- (JB2) 6"x6" JUNCTION BOX, MOUNTED FLUSH WITH WALL 48" AFF. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER. (JB3) 8"x8" FLOOR MOUNTED RECESSED JUNCTION BOX. INSTALL 2" CHASE NIPPLE IN THE CENTER OF COVER.
- (JB4) 8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING IN THE
- 8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING IN THE
- (C1) 2" CONDUIT FROM (JB1) TO (JB4) W/ PULL STRING.
- (C2) 2" CONDUIT FROM (JB2) TO (JB4) w/ PULL STRING.
- (C3) 2" CONDUIT UNDER FLOOR, RUN FROM BOTTOM OF (JB4) TO (JB3)
- (C4) 2" CONDUIT FROM (A) TO (JB4) W/ PULL STRING.
- (C5) NOT USED.
- (C6) 3/4" CONDUIT w/ CONDUCTORS FROM (EOS) TO (A)
- (C7) CONDUIT w/ CONDUCTORS FROM (A1) TO (JB5); SIZED PER CODE.
- (C8) CONDUIT W/ CONDUCTORS FROM (A1) TO (JB4); SIZED PER CODE.
- $\overline{\mathbb{W}}$ X-ray in use light, connect to red switch located inside of X-ray room.
- EMERGENCY OFF SWITCH (SHUNT TRIP TYPE) TO BE CONNECTED TO (A) MOUNTED 48" AFF.

Typical 32kw X-Ray Equipment Power Line Requirements									
Line Voltage	Dist. Transfmr.	Wire Size - Distance from Distribution Transformer to Breaker Panel "A" Breaker Size							
Three Phase		50' 100' 200'							
208-240 VAC	45kVa	#2	#00	250MCM	100A	#4	0.09	Ç	
400 VAC	45kVa	#6	#4	#1	100A	#6	0.27	5	
240 VAC	45kVa	#9	#6	#3	100A	#6	0.40	5	

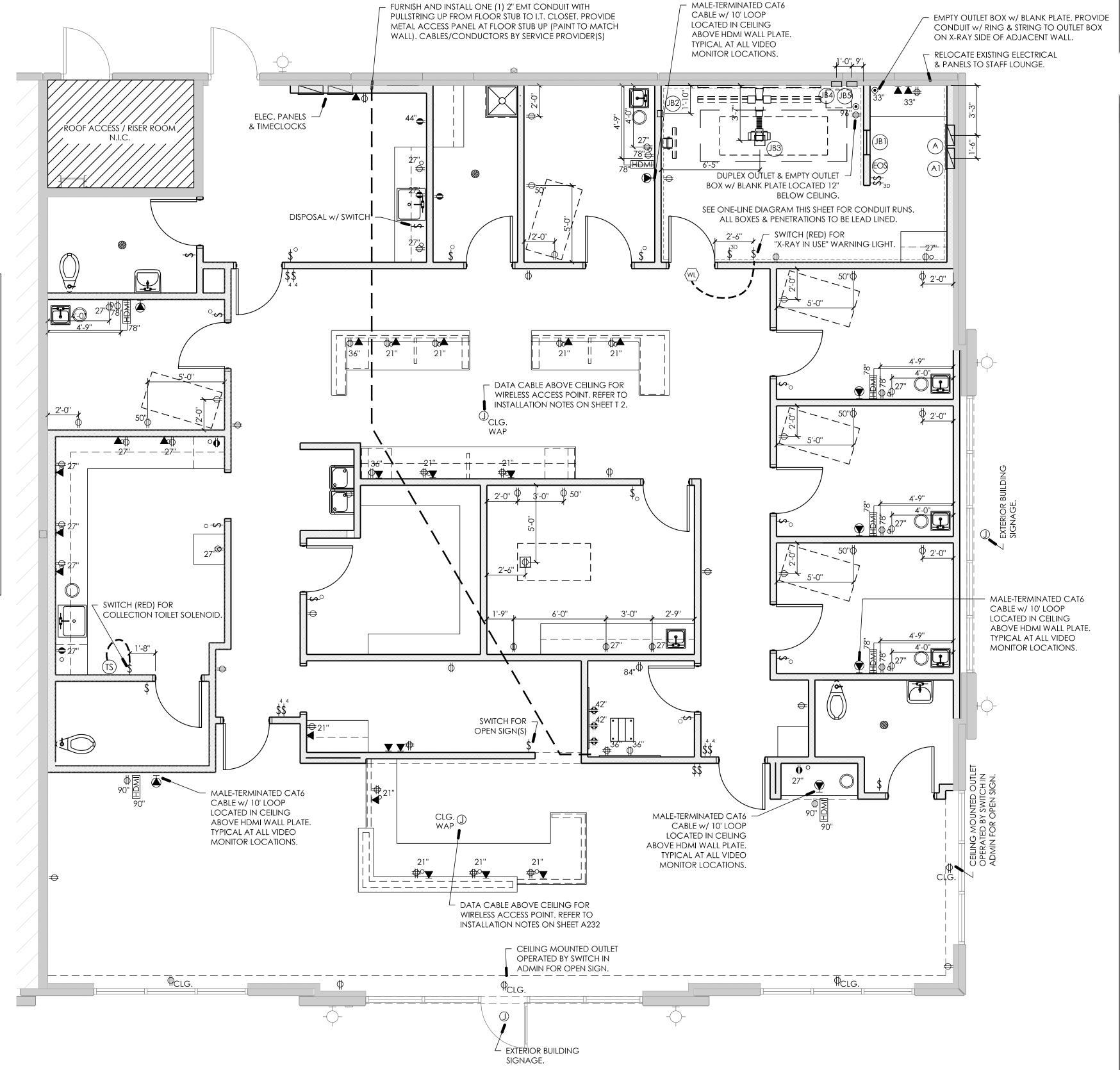
Electrical Contractor to supply appropriate size conductors and Gnd in appropriate size conduit from "A" Breaker Panel to "JB5" leave 8' pigtail on "JB5" side.

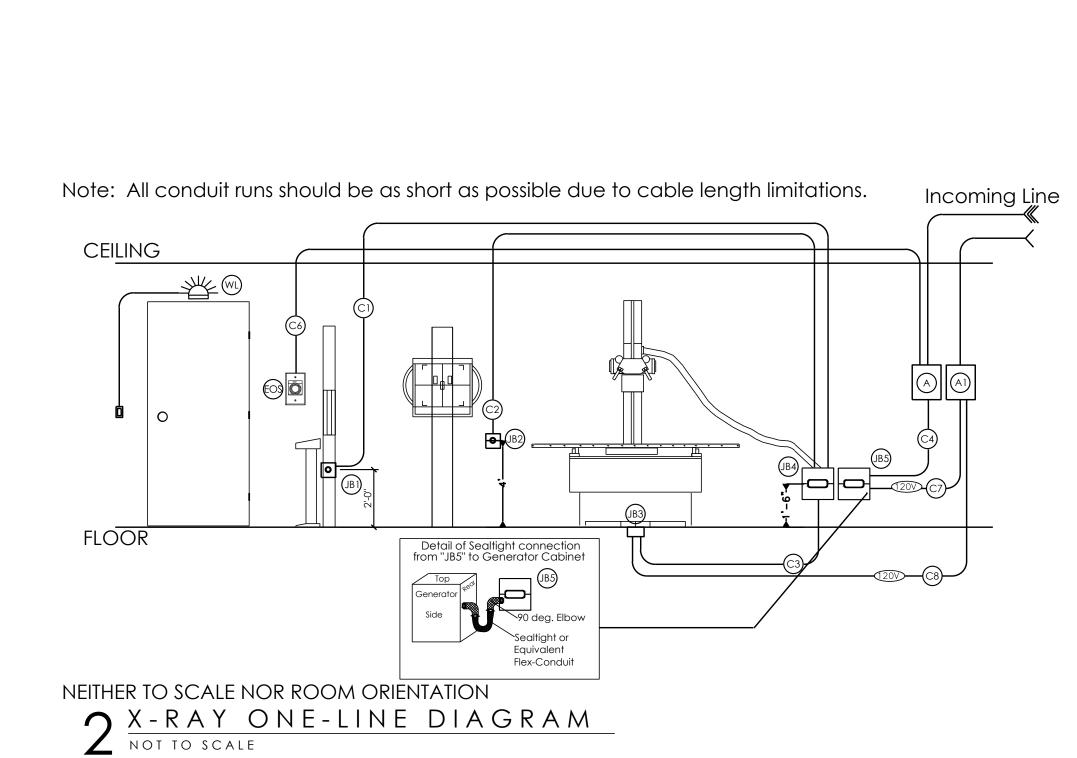
Note: Wire must be made of stranded flexible copper.

Grounding: Insulated grounding must conform with current requirements for electrically susceptible patient areas. See Article 517, National Electrical

The Disconnect Switch should be a Shunt Trip type and the Emergency Shut-Off Switch should be placed in the Operator Control Area.

Maximum line regulation for maximum kVA demand: 5% under load







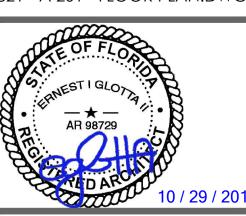
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REVISIONS

1821 - A 201 - FLOOR PLAN.DWG



POWER & DATA PLAN

REFER TO SHEETS A 2.2 & A 2.3 FOR THE LOCATION OF THE WIRELESS ACCESS POINTS (WAPS).

INSTRUCTIONS PROVIDED ON THIS SHEET ARE TO BE CONSIDERED ONLY AS A SUMMARY OF THE INSTALLATION DETAILS PROVIDED WITH EVERY WIRELESS ACCESS POINT. GENERAL CONTRACTOR TO USE THESE INSTRUCTIONS AS A GENERAL GUIDE AND IS DIRECTED TO REFER TO THE CISCO INSTALLATION MANUAL FOR ALL FINAL INSTALLATION PRACTICES AND PROCEDURES.

WIRELESS ACCESS POINTS UTILIZE POWER OVER ETHERNET (PoE); ELECTRICAL OUTLET ARE NOT REQUIRED.

ALL CATEGORIZED CABLING TO WAPS ARE TO BE CONSIDERED DATA CABLES. ALL CABLES TO BE INSTALLED AND TESTED PER ANSI/TIA 568 STANDARDS; LABEL PER ANSI/TIA-606.

- AT NOTED LOCATIONS, INSTALL DUAL GANG BACK BOX AND 2-PORT FACEPLATE IN PLENUM. IN EACH FACEPLATE, INSTALL ONE (1) CAT6 8P8C CONNECTOR. TO EACH CONNECTOR, TERMINATE ONE (1) CAT6 CABLE; CABLES TO TERMINATE IN RACK-MOUNTED PATCH PANEL LOCATED IN TELECOMMUNICATIONS ROOM (TR). PROVIDE 15' SERVICE LOOP AT THE WAP END TO ALLOW FOR FUTURE LOCATION ADJUSTMENTS. PROVIDE STANDARD SERVICE LOOP AT TELECOMMUNICATION ROOM. TEST AND LABEL ALL CABLES. FILL UNUSED POSITIONS OF FACEPLATES WITH BLANKS.
- 2. EACH WAP WILL REQUIRE A MOUNTING BRACKET; GENERAL CONTRACTOR TO FURNISH AND INSTALL THE AIR-AP-BRACKET-1 WHICH WILL PROVIDE A TIGHT FIT TO THE DROP CEILING.
- 3. EACH MOUNTING BRACKET WILL REQUIRE CEILING GRID CLIPS; THE SELECTION OF THE TYPE OF CLIP IS BASED UPON THE FOLLOWING:
- AIR-AP-T-RAIL-R: IF THE CEILING TILES HANG BELOW THE GRID. AIR-AP-T-RAIL-F: IF THE CEILING TILES ARE FLUSH WITH THE GRID.
- 4. INSTALL APPROPRIATE GRID CLIPS TO MOUNTING BRACKET.
- OPEN THE CEILING GRID CLIP COMPLETELY.
- PLACE THE CEILING GRID CLIP OVER THE T-RAIL AND CLOSE IT TO THE APPROPRIATE DETENT (A, B OR C). USE A SCREWDRIVER TO TIGHTEN THE TWO CEILING GRID CLIP LOCKING SCREWS TO PREVENT THE CLIP
- FROM SLIDING ALONG THE T-RAIL.
- OBSERVE THE CEILING GRID CLIP WIDTH DETENT LETTER (A, B OR C) THAT CORRESPOND TO THE T-CLIP
- ALIGN THE CORRESPONDING HOLES (A, B OR C) ON THE MOUNTING BRACKET OVER THE MOUNTING HOLES ON THE CEILING GRID CLIP.
- 10. HOLD THE MOUNTING BRACKET AND INSERT A 6-32 x $\frac{1}{2}$ " SCREW INTO EACH OF THE FOUR CORRESPONDING HOLES (A, B OR C).
- 11. DRILL OR CUT A CABLE EGRESS HOLE IN THE CEILING TILE LARGE ENOUGH FOR THE ETHERNET, GROUNDING AND POWER CABLES (IF REQUIRED) TO PASS THROUGH. PULL APPROXIMATELY 12" OF THE CABLES THROUGH THE ACCESS HOLE
- 12. USE THE GROUND SCREW TO CONNECT A #14 AWG GROUND WIRE BETWEEN THE WAP AND THE TELECOMMUNICATIONS BOUNDING BACKBONE. SOLDER OR CRIMP A GROUNDING O-RING LUG TO GROUND WIRE. INSERT THE GROUNDING POST SCREW INTO THE O-RING AND INSTALL IT ON THE MOUNTING BRACKET WITH A SCREWDRIVER. INSTALLATION ASSUMES A CIRCUIT LENGTH OF 25'; ADJUST WIRE GAUGE AS REQUIRED BASED ON INSTALLATION.
- 13. CONNECT THE CAT6 ETHERNET CABLE (AND POWER CABLE, IF REQUIRED) TO THE WIRELESS ACCESS POINT. ALIGN THE WIRELESS ACCESS POINT FEET OVER THE KEYHOLE AMOUNTING SLOTS ON THE MOUNTING BRACKET. MAKE SURE THE WIRELESS ACCESS POINT IS POSITIONED SO THAT THE CABLES REACH THEIR
- 15. GENTLY SLIDE THE WIRELESS ACCESS POINT ONTO THE MOUNTING BRACKET UNTIL IT CLICKS INTO PLACE.
- furnish and install a kensington notebook microsaver, model 64068, on each wireless

ACCESS POINT: LOOP CABLE AROUND A NEARBY IMMOVABLE OBJECT IN PLENUM. PASS THE SECURITY LATCH THROUGH THE CABLE LOOP AND INSERT INTO THE SECURITY SLOT ON THE WIRELESS ACCESS POINT.

AT THE TELECOMMUNICATIONS ROOM (TR):

LOCK THE LATCH AND PROVIDE THE KEY TO THE CLIENT.

- TERMINATE CAT6 CABLE FROM EACH WAP ON A CAT6 RATED 8P8C CONNECTOR MOUNTED IN RACK-MOUNTED PATCH PANEL - - TREAT CABLE AS NORMAL DATA CABLE.
- LABEL AND TEST ALL CABLES; IDENTIFY EXACT LOCATIONS OF WAPS ON AS-BUILT DRAWINGS.

I.T. CLOSET SCHEMATIC KEYED NOTES

- PROVIDE & INSTALL 3/1" AC RATED FIRE RETARDANT PLYWOOD SHEETS TO WALLS OF I.T. CLOSET AS INDICATED. PAINT ALL 6 SIDES OF EACH SHEET WITH 2 COATS OF WHITE PAINT LEAVING ONE COPY OF THE FIRE RATING STAMP UNPAINTED & VISIBLE FOR EACH SHEET INSTALLED. VOIDS IN PLYWOOD SHALL BE FILLED PRIOR TO PAINTING.
- PROVIDE DEDICATED 30AMP ELECTRICAL CIRCUIT TO BE UTILIZED BY UPS UNIT. COORDINATE OUTLET PLUG FORMAT, VOLTAGE AND PHASE DETAILS WITH OWNER PROVIDED UPS REQUIREMENTS. LOCATE OUTLET ON WALL ADJACENT TO THE EQUIPMENT RACK, JUST BEHIND VERTICAL CABLE MANAGER, 6" A.F.F. SO UPS UNIT (MOUNTED AT BASE OF EQUIPMENT RACK) POWER CORD CAN EASILY PLUG IN.
- PROVIDE AND INSTALL TWO-POST FLOOR-MOUNT RACK (CPI MODEL 55053-703 BLACK OR APPROVED EQUAL). BOND EQUIPMENT RACK TO TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) w/ #6 AWG
- GREEN BONDING STRAP. SECURE EQUIPMENT RACK TO LADDER RACK W/ J-BOLTS. PROVIDE 1RU HORIZONTAL CABLE MANAGEMENT W/ COVER, MODEL ORTRONICS OR-808000010 OR APPROVED EQUAL. INSTALL ABOVE AND BELOW ALL PATCH (VOICE & DATA)PANELS.
- PROVIDE 48-PORT VOICE PATCH (W/ FEMALE ADAPTER) PANELS; INSTALL QUANTITY TO ENABLE THE TERMINATION OF ALL INSTALLED 25-PAIR AMPHENOL CABLES FROM 110-BLOCK; ORTRONICS MODEL OR-8088004041. QUANTITY SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR TO PROVIDE AND EXTEND VOICE BACKBONE TIE CABLING TO NEW VOICE PATCH PANELS (FEMALE ADAPTERS AT PATCH PANELS) W/ 25-PAIR AMPHENOL 50-PIN (MALE PLUG ON ONE END, OPEN ON THE OTHER) AND C-5 CLIPS, PATCH PANEL MODEL ORTRONICS OR-808004941. INSTALL QUANTITY OF VOICE GRADE PATCH PANELS AND 25-PAIR CABLES TO SATISFY THE TERMINATION OF ALL VOICE LINES PLUS 25% FOR GROWTH. QUANTITY SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY.D-RINGS TO BE INSTALLED TO MANAGE 25-PAIR AMPHENOL CABLES TO
- 110-BLOCK FROM VOICE GRADE PATCH PANELS MOUNTED AT TOP OF EQUIPMENT RACK. PROVIDE 48-PORT MODULAR PATCH PANEL ORTRONICS MODEL OR-PHDPJU48 (USED TO SECURE CAT6 JACKS). LOA ALL PORTS OF PATCH PANEL W/ BLACK 8P8C CAT6 CONNECTORS. INSTALL QUANTITY OF PATCH PANELS TO SATISFY THE TERMINATION OF ALL HORIZONTAL CAT6 CABLING PLUS 25% GROWTH. ALL PATCH PANEL PORTS SHALL HAVE 8P8C BLACK CONNECTORS INSTALLED, U.N.O. ALL PORTS TO BE LABELED NUMERICALLY STARTING WITH #1; NUMBERING TO CONTINUE ON THE NEXT PATCH PANEL(S) (IF PRESENT)
- CONTRACTOR TO COORDINATE, PROVIDE AND INSTALL A CONTINUOUS 2" (MIN) CONDUIT PATHWAY W/ PULL STRING FROM SERVICE PROVIDER DEMARC (BUILDING EXTERIOR) TO I.T. CLOSET VIA. GROUND CONDUIT RUN TO (TMGB). IDENTIFY PATHWAY RUN ON AS-BUILTS. INSTALL D-RINGS ON PLYWOOD TO BETTER SECURE INCOMING COPPER BACKBONE TO PROTECTED EQUIPMENT TERMINAL (PET) / 110-BLOCK WHERE PET IS REQUIRED. IF NO PET IS PRESENT AT THE SERVICE PROVIDER DEMARC, A PET IS TO BE PROVIDED AND INSTALLED IN THE I.T. CLOSET AND THE TIE CABLE SHALL TERMINATE ON THE PET. GREEN/WHITE CROSS CONNECT WIRE IS TO BE USED TO CROSS CONNECT PET TO 110-BLOCK.
- PROVIDE LADDER RACK (CHATSWORTH 11275-712) AND ASSOCIATED CHATSWORTH SUPPORT COMPONENTS (WALL ANGLE BRACKET, BUTT-SPLICE KITS, JUNCTION-SPLICE KITS, ETC) TO PROPERLY INSTALL LADDER RACK IN THE I.T. CLOSET PER MANUFACTURER'S INSTRUCTIONS. BOND ALL SECTIONS OF THE LADDER RACK IN THE I.T. CLOSET W/ #8 AWG BONDING STRAPS. A MINIMUM OF ONE STRAP SHALL ALSO BE BONDED TO THE TMGB.
- PENETRATIONS MADE FOR TELECOMMUNICATIONS PATHWAYS IN THE I.T. CLOSET CEILING TO BE FRAMED OUT AND CAPABLE OF BEING SEALED TO PREVENT DUST AND OTHER DEBRIS FROM ENTERING THE I.T. CLOSET IN SUCH A MANNER THAT THEY CAN BE RE-ENTERED WITHOUT COMPROMISE. INGRESS OF CABLE TO I.T. CLOSET SHALL BE MADE SO THAT ANY SPACE IN THE PENETRATION NOT FILLED BY CABLE CAN BE SEALED TO PREVENT
- DUST AND DEBRIS FROM ENTERING THE I.T. CLOSET. DEVICE TO PROVIDE 40% FILL RATIO AND 25% GROWTH. 10. PROVIDE AND INSTALL 4" FROM WALL, 2" CONDUIT SLEEVE FOR BACKBONE COPPER CABLE INGRESS TO I.T. CLOSET. THIS I.T. CLOSET INGRESS SLEEVE TO INTERCONNECT TO CONDUIT PATHWAY TO SERVICE PROVIDER DEMARC (KEY NOTE 7).
- 11. OWNER PROVIDED AND INSTALLED 48-PORT ETHERNET SWITCH.
- 12. OWNER PROVIDED AND INSTALLED NETWORK ROUTER. 13. OWNER PROVIDED APC UPS UNIT. UNIT INSTALLED IN BASE OF EQUIPMENT.
- 14. PROVIDE AND INSTALL 6"x7"x84" VERTICAL CABLE MANAGER; ORTONICS OR-MM6VMS706.

I.T. CLOSET SCHEMATIC NOTES

- REFER TO POWER & DATA PANEL FOR LOCATIONS OF ELECTRICAL DEVICES.
- PROVIDE AND INSTALL TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) HARGER MODEL GBI14210TGB (X_1 "x10"x24", COPPER w/ INSULATORS) OR APPROVED EQUAL. MOUNTED ON PLYWOOD I.T CLOSET TERMINAL BOARD 8'-3" A.F.F.; CONTRACTOR TO TIE TMGB BACK TO MAIN ELECTRICAL GROUND w %AWG INSULATED PLENUM RATED COPPER GROUND CABLE (TELECOMMUNICATIONS BONDING BACKBONE -TBB). DOUBLE LUGS ARE TO BE APPLIED TO ALL BONDING STRAPS W/ A COMPRESSION TOOL SIZED FOR THE LUG TO BE INSTALLED. LABEL BOTH ENDS OF TBB WITH "DO NOT DISCONNECT" TAGS. HANG TAGS READABLE FROM FLOOR.
- COORDINATE WITH SERVICE PROVIDER TO ENSURE PROTECTED EQUIPMENT TERMINAL (PET) IS INSTALLED ON INCOMING OSP COPPER MULTI-PAIR BACKBONE CABLING FOR FACILITY. IF PET DOES NOT EXIST AT SERVICE PROVIDER'S INCOMING MULTI-PAIR DEMARC, PROVIDE AND INSTALL PET (TII NETWORK TECHNOLOGIES MODEL 24100-110-M110C FOR 100-PAIR (MIN) OR APPROVED EQUAL) WITHIN I.T. CLOSET. COORDINATE QUANTITY / SIZE OF PET TO TERMINATE ALL TIE PAIRS TO I.T. CLOSET FROM SERVICE PROVIDER DEMARC. ENSURE PET LOACTED IN I.T. CLOSET IS BONDED TO TMGB W/ #6 AWG BONDING STRAP. INSTALL W/ BASE OF PET AT 48" A.F.F. PET TO CROSS-CONNECT TO 110-BLOCK W/ GREEN/WHITE CROSS-CONNECT WIRE AND C5 CLIPS. PROVIDE 110 WIRING BLOCK W/ LEGS, MODEL ORTRONICS OR-30200145; MOUNT BLOCK W/ BASE OF BLOCK
- PROVIDE 4" CONDUIT SLEEVES (W/ FIRESTOP ASSEMBLIES WHERE REQUIRED TO MAINTAIN FIRE RATINGS)
- THROUGH WALL AND CEILING ASSEMBLIES TO PROVIDE FOR TELECOMMUNICATIONS PATHWAYS. COORDINATE THE LOCATION OF ALL REQUIRED SLEEVES AND/OR FIRESTOP ASSEMBLIES PRIOR TO IMPLEMENTATION.

CONDUIT SLEEVE TO PROVIDE INGRESS FOR COPPER BACKBONE CABLING FROM SERVICE PROVIDER O 4'-0'' DEMAR. TRIM RING TO BE APPLIED AT CEILING GRID TO DRESS OUT CEILING TILE PENETRATION.

2 I.T. CLOSET SCHEMATIC
SCALE: N.T.S.

TELECOMMUNICATIONS GENERAL NOTES

- ALL TELECOMMUNICATIONS STRUCTURED CABLING SYSTEM (SCS) DESIGN AND INSTALLATION EFFORTS SHALL ADHERE TO THE FOLLOWING: CUSTOMER ESTABLISHED SCS DESIGN AND INSTALLATION GUIDELINES, THE LATEST VERSIONS OF THE SCS INDUSTRY ESTABLISHED STANDARDS (ANSI/TIA 568, 569, 606 AND STD-607), AND THE LOCALLY RECOGNIZED VERSION OF THE NATIONAL ELECTRICAL CODE. ADDITIONALLY, NFPA 70,NFPA 99 AND NFPA 110 SHALL BE ADHERED TO.
- CONTRACTOR TO PROVIDE A HORIZONTAL PATHWAY PLACED IN A STAR TOPOLOGY WITH THE TELECOMMUNICATIONS ROOM (TR) AS THE CENTER. PATHWAY SHALL CONSIST OF A COMBINATION OF 1" MINIMUM CONDUIT, PULL BOXES AND APPROPRIATELY SIZED OPEN-TOP HOOKS (J-HOOKS). ALL PATHWAYS TO BE SIZED TO PROVIDE FOR A 40% OR LESS FILL RATIO AND A FUTURE CABLE GROWTH OF 25%. INSTALL ALL PATHWAY DEVICES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. SPACING BETWEEN OPEN-TOP HOOKS TO BE NO GREATER THAN 5 FEET; HOOKS TO BE INSTALLED AT ALL CHANGES IN DIRECTION. NO ONE CONDUIT RUN TO BE OVER 90 FEET; PULL BOXES TO BE INSTALLED AFTER TWO (2) BENDS TO FACILITATE CABLING INSTALLATION. BOND ALL CONTINUOUS PATHWAYS TO TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) WITH #6 AWG BONDING STRAPS.
- PROVIDE A VERTICAL CONDUIT PATHWAY (MINIMUM SIZE TO BE 1") TO THE PLENUM AREA (CONDUIT TO EXTEND 6" ABOVE CEILING) AT EACH DROP. CONDUIT AT WORK AREA OUTLET (WAO) END SHALL BE TRIMMED OUT WITH AN INSULATING BUSHING; AT THE END IN THE PLENUM A BONDING BUSHING SHALL BE INSTALLED. ALL TELECOMMUNICATION CONDUITS, SLEEVES AND CABLE TRAY SHALL BE BONDED TO THE TELECOMMUNICATIONS BONDING BACKBONE.
- A DOUBLE-GANG BACK-BOX WITH A SINGLE-GANG PLASTER RING SHALL BE INSTALLED AT THE BASE OF THE VERTICAL CONDUIT. ALL DEVICES SHALL BE INSTALLED TO MATCH THE MOUNTING HEIGHT OF ELECTRICAL DEVICES, UNLESS NOTED OTHERWISE.
- ALL TELECOMMUNICATION DEVICES AND FACEPLATES TO MATCH COLOR OF ELECTRICAL DEVICES. ALL TELECOMMUNICATIONS PATHWAYS THAT PASS THROUGH FIRE RATED ASSEMBLIES SHALL HAVE THE APPROPRIATELY SIZED AND RATED FIRE STOP ASSEMBLY INSTALLED. INSTALLED ASSEMBLIES SHALL BE RE-ENTERABLE EZ-PATH FIRE STOP ASSEMBLIES OR APPROVED EQUAL. INSTALL ALL FIRE STOP ASSEMBLIES PER MANUFACTURER'S WRITTEN INSTRUCTIONS. CAPACITY OF INSTALLED FIRE STOP ASSEMBLY TO INCLUDE CAPACITY TO PROVIDE THE 40% MINIMUM FILL RATIO AND A FUTURE CABLE GROWTH OF 25%.
- ALL TELECOMMUNICATIONS DROP LOCATIONS SHALL PROVIDE A SINGLE GANG FACE PLATE (ORTRONICS MODEL OR-40300548 FOR PLASTIC FACEPLATES OR OR-403STJ12 IF ADJACENT ELECTRICAL DEVICES ARE STAINLESS STEEL) TO SUPPORT THE TERMINATION OF TWO EACH CAT6 PLENUM RATED U/UTP CABLING, UNLESS NOTED OTHERWISE.
- WHERE INDICATED, WALL MOUNTED TELEPHONE LOCATIONS SHALL HAVE ONLY ONE CABLE; THE FACE PLATE SHALL BE ONE PORT WITH WALL PHONE MOUNTING LUG (ORTRONICS MODEL OR-403STJ1WP). A SERVICE LOOP SHALL BE PROVIDED AT EACH TELECOMMUNICATIONS DROP WITH A 5' COILED END,
- SECURED BY PLENUM-RATED HOOK AND LOOP TAPE, WITHIN THE CEILING PLENUM ABOVE. 10. ALL CATEGORIZED (BLUE IN COLOR) CABLE TO BE SUPERIOR ESSEX CMP U/UTP 52-200-28 UNLESS INSTALLED IN WET / DAMP LOCATIONS AS DEFINED BY THE NEC. CABLE INSTALLED IN WET / DAMP LOCATIONS SHALL BE RATED ACCORDINGLY. ALL COMPONENTS LOCATED WITHIN THE PLENUM ARE TO BE PLENUM RATED.
- 11. ALL TELECOMMUNICATIONS CATEGORIZED CABLING SHALL BE TERMINATED AT THE WORK AREA OUTLET (WAO) USING THE 8P8C CAT6 RATED CONNECTORS (ORTRONICS OR-TJ5E88). THE ANSI/TIA T568B WIRE MAPPING/PIN-OUT SHALL BE USED TO TERMINATE ALL 8P8C CONNECTORS.
- 12. CONTRACTOR TO COORDINATE THE LABELING OF ALL SCS COMPONENTS WITH OWNER. LABELING AT WAO FACEPLATE SHALL START WITH THE #1 POSITION. IF MULTIPLE OUTLETS EXIST IN A SINGLE ROOM, WAO FACEPLATES TO BE NUMBERED IN A CLOCKWISE FORMAT AROUND THE ROOM. AT THE PATCH PANEL, THE CABLING ASSOCIATED WITH THE WAO DEVICE SHALL BE LABELED TO MATCH. LABELS AT THE PATCH PANEL TO FLOW HORIZONTALLY, BEGINNING IN PATCH PANEL PORT #1.
- CONTRACTOR TO MAINTAIN ORDER OF TELECOMMUNICATIONS COMPONENTS AS SHOWN. INSTALLATION OF ADDITIONAL PATCH PANELS AND HORIZONTAL CABLE MANAGERS WILL REQUIRE THE ACTIVE COMPONENTS TO SHIFT DOWNWARD IN THE EQUIPMENT RACK AS REQUIRED.
- 14. PROVIDE D-RINGS IN TELECOMMUNICATIONS ROOM FOR HORIZONTAL AND BACKBONE CABLE
- ALL SCS CABLING SHALL HAVE A SELF-LAMINATING LABEL APPLIED AT BOTH ENDS. ALL LABELS SHALL BE READABLE FROM ONE POSITION WHILE STANDING BEHIND THE EQUIPMENT RACK, ALL LABELS AT THE WAO DROPS SHALL BE READABLE WHEN STANDING TO THE RIGHT OF THE FACEPLATE WITH THE CABLES EXTENDED FROM THE BACK BOX.
- 16. OWNER TO FURNISH AND INSTALL ALL PATCH CABLES FROM ACTIVE SWITCH GEAR TO PATCH PANELS 17. ALL ACTIVE COMPONENTS TO BE LABELED WITH THEIR IP ADDRESSES: OWNER TO PROVIDE IP ADDRESS
- TESTING OF ALL SCS CABLING TO FOLLOW INDUSTRY STANDARDS AS DESCRIBED IN ANSI/TIA-568. A COPY OF THE FULL TEST RESULTS SHALL BE PROVIDED TO THE OWNER ON PAPER AND IN ELECTRONIC FORMAT,
- NUMERICALLY ORDERED AND DATED. A COPY OF THE MANUFACTURER'S PERFORMANCE AND COMPONENT WARRANTY SHALL BE PROVIDED WITHIN 30 DAYS OF THE COMPLETION OF THE TESTING. CABLE MANUFACTURER TO PROVIDE A 15-YEAR PERMANENT LINK WARRANTY FOR ALL STRUCTURED CABLING INSTALLED. CONTRACTOR TO PROVIDE AS-BUILTS, GENERATED MECHANICALLY, WITH ALL TELECOMMUNICATIONS
- WORK AREA OUTLETS (WAO) SHOWN. ANY CHANGES FROM THE LOCATIONS SHOWN ON THE POWER & DATA PLAN SHALL BE COORDINATED WITH THE OWNER PRIOR TO MAKING THE CHANGE. EACH DEVICE SHALL BE IDENTIFIED ON THE AS-BUILT DRAWING WITH THE APPLICABLE LABEL IDENTIFIER. CONTRACTOR TO DELIVER AS-BUILT DRAWING TO THE OWNER IN BOTH PAPER AND ELECTRONIC FORMAT.

CONTRACTOR TO BOND AND GROUND ALL TELECOMMUNICATIONS PATHWAYS AND TELECOMMUNICATIONS ROOM COMPONENTS PER ANSI/TIA J-STD 607.

ABBREVIATIONS

- SCS STRUCTURED CABLING SYSTEM
- TMGB TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TR TELECOMMUNICATIONS ROOM (I.T. CLOSET)
- WAO WORK AREA OUTLET. WAP WIRELESS ACCESS POINT

VIDEO SIGNAL GENERAL NOTES

- SYSTEM DESIGN TO OPERATE WITHIN THE 5 1000MHz BANDWIDTH USING 1000 MHz PASSIVE DEVICES AND A MINIMUM OF 750 MHz ACTIVE DEVICES.
- EACH TERMINATION FOR A TV RECEIVER MUST HAVE A MINIMUM SIGNAL LEVEL OF 15 dBmV AT 55MHz; 0 dBmV AT 750 MHz; AND A MAXIMUM SIGNAL LEVEL OF 15 dBmV, OR A LEVEL NOT TO OVERLOAD THE RECEIVER, FOR THE ENTIRE SYSTEM BANDWIDTH.
- SET TOP BOXES, CATV ACTIVE EQUIPMENT (WHERE APPLICABLE) AND ADDITIONAL ELECTRONICS REQUIRED TO INSERT OTHER SOURCES OF AUDIO/VIDEO ARE PROVIDED BY THE OWNER. 4. CROSS CONNECT CABLING FOR A/V (TV COAX, AUDIO, HDMI, USB, ETC) ARE PROVIDED BY OTHERS;
- UNLESS NOTED OTHERWISE. 5. LABELS ARE TO BE MECHANICALLY PRINTED AND SELF LAMINATING. INFORMATION TO BE READABLE FROM A SINGLE VIEW POINT.
- REFER TO POWER & DATA PLAN FOR TV MONITOR / HDMI-U/UTP EXTENSION ASSEMBLY LOCATIONS
- HDMI EXTENDER KITS (SENDER AND RECEIVER UNITS) ARE SUPPLIED BY THE OWNER. EQUIPMENT IS SUPPLIED WITH ASSOCIATED POWER CORDS ONLY.
- CONTRACTOR TO FURNISH AND INSTALL ONE (1) HDMI CABLE AT EACH SENDER UNIT AND TWO (2) HDMI

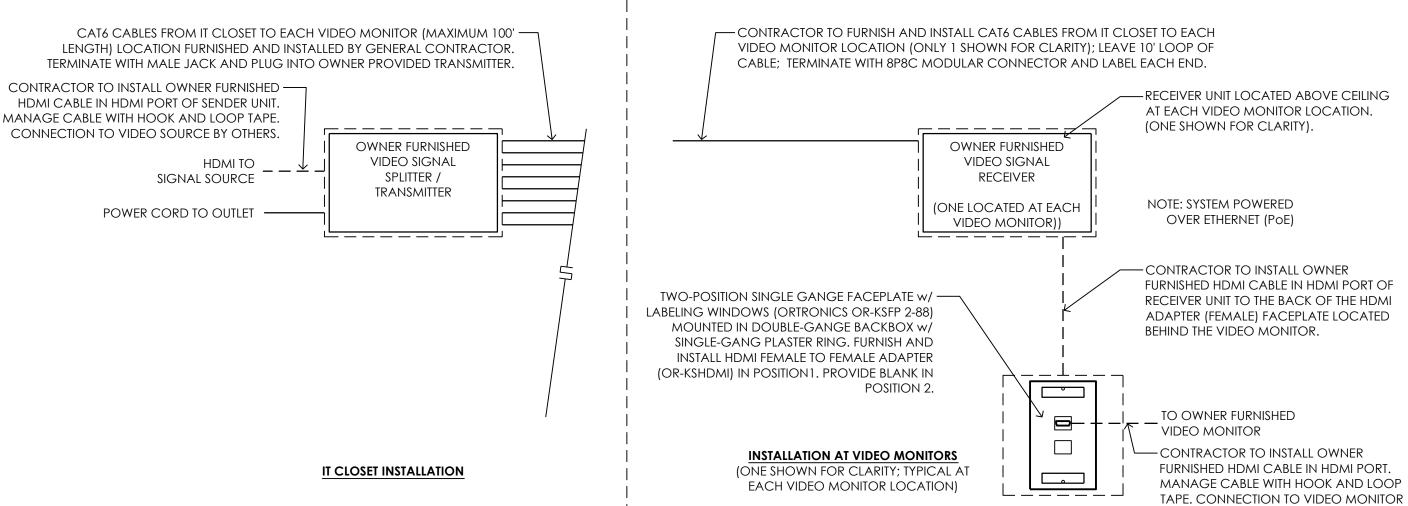
HDMI EXTENDER INSTALLATION NOTES

AT WORK AREA OUTLET (WAO):

- INSTALL DUAL GANG BACKBOX AND 2-PORT SINGLE GANG FACEPLATE FLUSH WITH WALL ASSEMBLY, ALIGNED WITH ELECTRICAL OUTLETS. PROVIDE/INSTALL (1) HDMI ADAPTER IN POSITTION 1 AND BLANK IN POSITION 2.
- PROVIDE & INSTALL A CAT6 CABLE FROM THE PLENUM ABOVE EACH VIDEO UNIT, TO THE TELECOMMUNICATIONS ROOM (TR). TERMINATE (MALE ADAPTER), TEST AND LABEL (EACH END) THE CAT6 CABLES AS NORMAL
- IN THE PLENUM, INSTALL THE OWNER PROVIDED RECEIVER UNIT. ONE RECEIVER UNIT WILL BE PROVIDED FOR EACH VIDEO MONITOR LOCATION. CONNECT UNIT TO ELECTRICAL OUTLET LOCATED IN PLENUM ABOVE VIDEO MONITOR.
- CONNECT THE VIDEO MONITOR HDMI PORT TO THE HDMI PORT ON THE WALL MOUNTED FACEPLATE ASSEMBLY WITH OWNER FURNISHED HDMI CABLE
- CONNECT THE HDMI PORT OF THE RECEIVER UNIT (LOCATED IN THE PLENUM) TO THE BACK OF THE HDMI ADAPTER ON THE WALL MOUNTED FACEPLATE ASSEMBLY WITH OWNER FURNISHED HDMI CABLE. CONNECT THE CAT6 PLENUM RATED CABLE FROM THE TELECOMMUNICATIONS ROOM (TR) TO THE 8P8C
- PORT OF THE RECEIVER UNIT LOCATED IN THE PLENUM.

THE TELECOMMUNICATIONS ROOM (TR):

- INSTALL OWNER PROVIDED TRANSMITTER / SIGNAL SPLITTER UNITS IN THE TELECOMMUNICATIONS ROOM (TR) PROVIDE POWER FOR THE TRANSMITTER / SIGNAL SPLITTER UNITS AND MANGE POWER CABLING WITH HOOK
- CONNECT CAT6 PLENUM RATED CABLE FROM EACH RECEIVER UNIT TO EACH TRANSMITTER / SIGNAL SPLITTER UNITS 8P8C PORT.
- INSTALL OWNER FURNISHED HDMI CABLE TO THE HDMI PORT ON EACH SENDER UNIT. MANAGE THE HDMI CABLE WITH HOOK AND LOOP TAPE. HDMI CABLES TO BE CONNECTED TO VIDEO SOURCE BY OTHERS.
- LABEL THE HDMI RECEIVER AND SENDER UNITS ASSOCIATED WITH THE VIDEO MONITORS LOCATED IN THE WORK AREA OUTLETS (WAO).



MANAGE CABLE WITH HOOK AND LOOP

BY OTHERS.

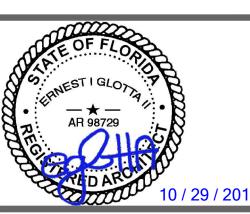
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No. Date REVISIONS

1821 - A 232 LOW VOLTAGE.DWG



LOW **VOLTAGE**

2018-09-24 **Last Revision**

WIRELESS ACCESS POINT

WAP MOUNTING KEYHOLE

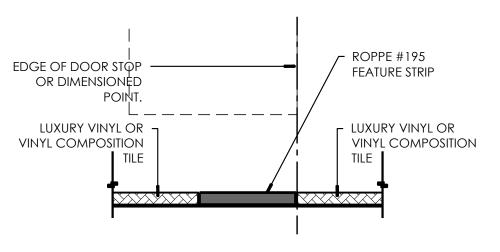
CEILING GRID CLIP

GROUNDING POINT

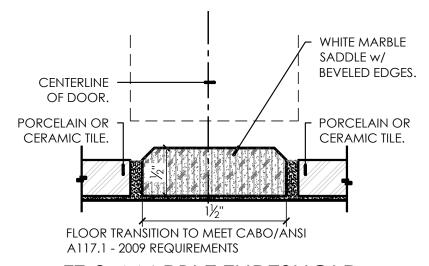
5 CEILING T-RAIL

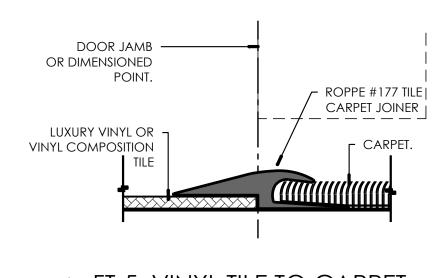
4 WAP CABLE ACCESS COVER

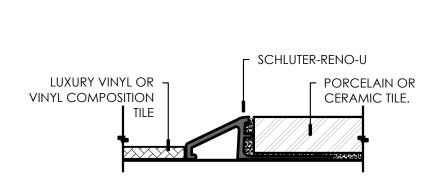
HDMI EXTENDER DETAIL SCALE: N.T.S.



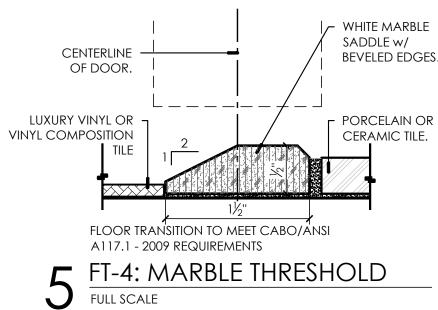
7 FT-6: VINYL TILE TO VINYL TILE FULL SCALE

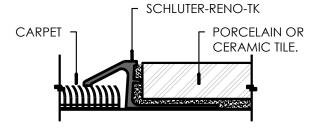






3 FT-2: VINYL TILE TO TILE FULL SCALE







← CARPET DIRECTION →

WAITING 101

(CPT-1) (VCB-1) (ACT-1)

ROOF ACCESS / RISER ROOM /

- - - - - - - - - -

VCB-1 PT-1 ACT-1

PROCEDURE

CG-1

HEIGHT WEIGHT 106

WAITING 102

VCB-1 ACT-1 PT-1 FRP-1

STORAGE

RECEPTION

← TILE DIRECTION →

STAFF LOUNGE

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TECH

VCB-1 PT-1 ACT-1

PFT-INTO PLB-INTO PT-1E ACT-INTO ACT-INTO PT-1E

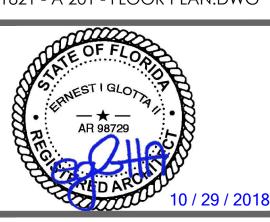
← CARPET DIRECTION →

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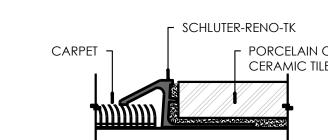
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FINISH PLAN

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6 FT-5: VINYL TILE TO CARPET FULL SCALE



2 FT-1: CARPET TO TILE FULL SCALE



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232 Dana Drive - Flower Mound - TX - 75
14-799-5031
Renee Lynn & Glotta, PLLC

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Lee Vista Boulevard
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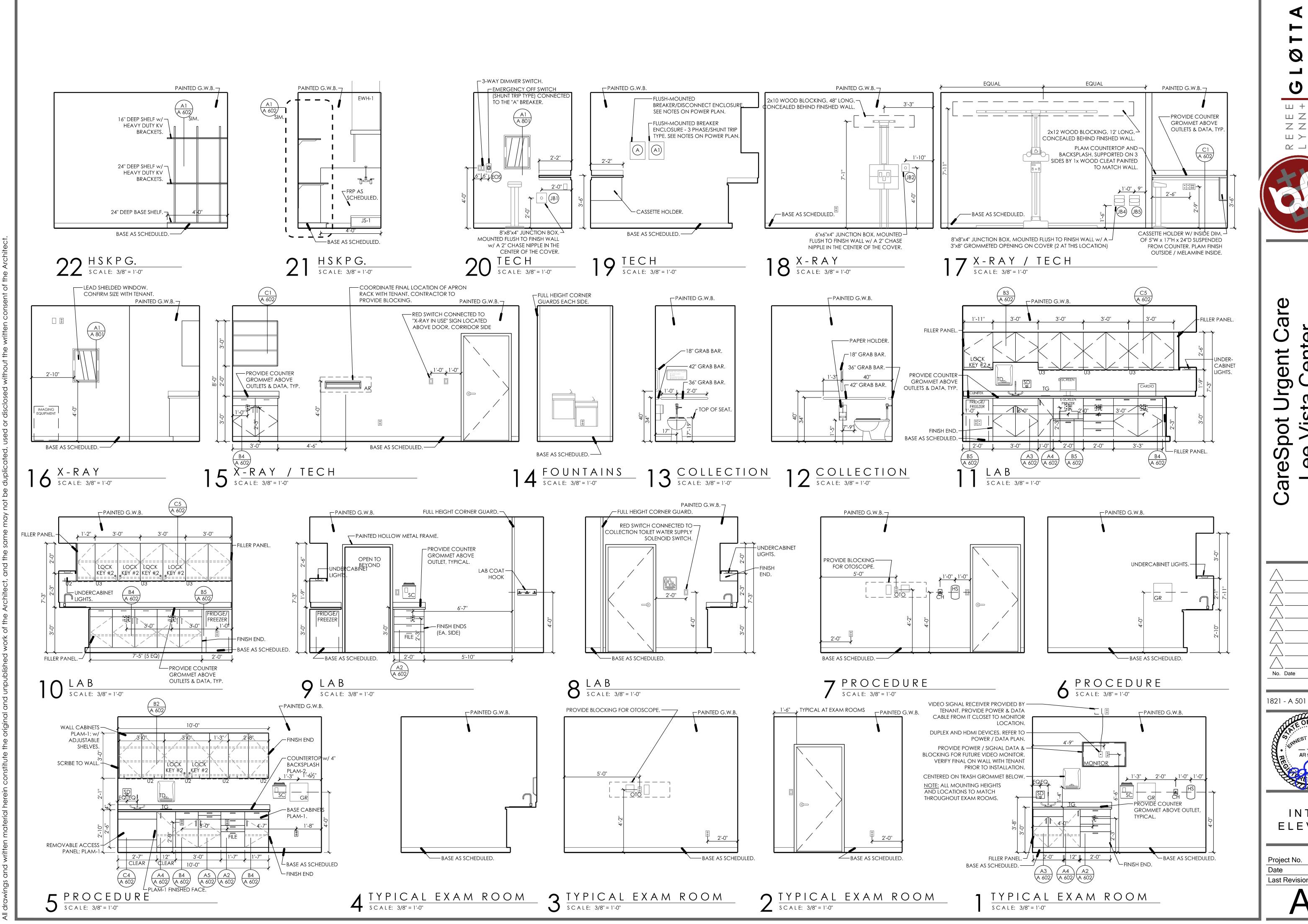
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Project No. 1821

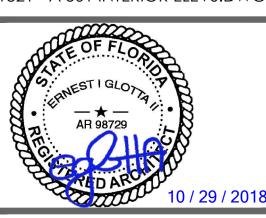
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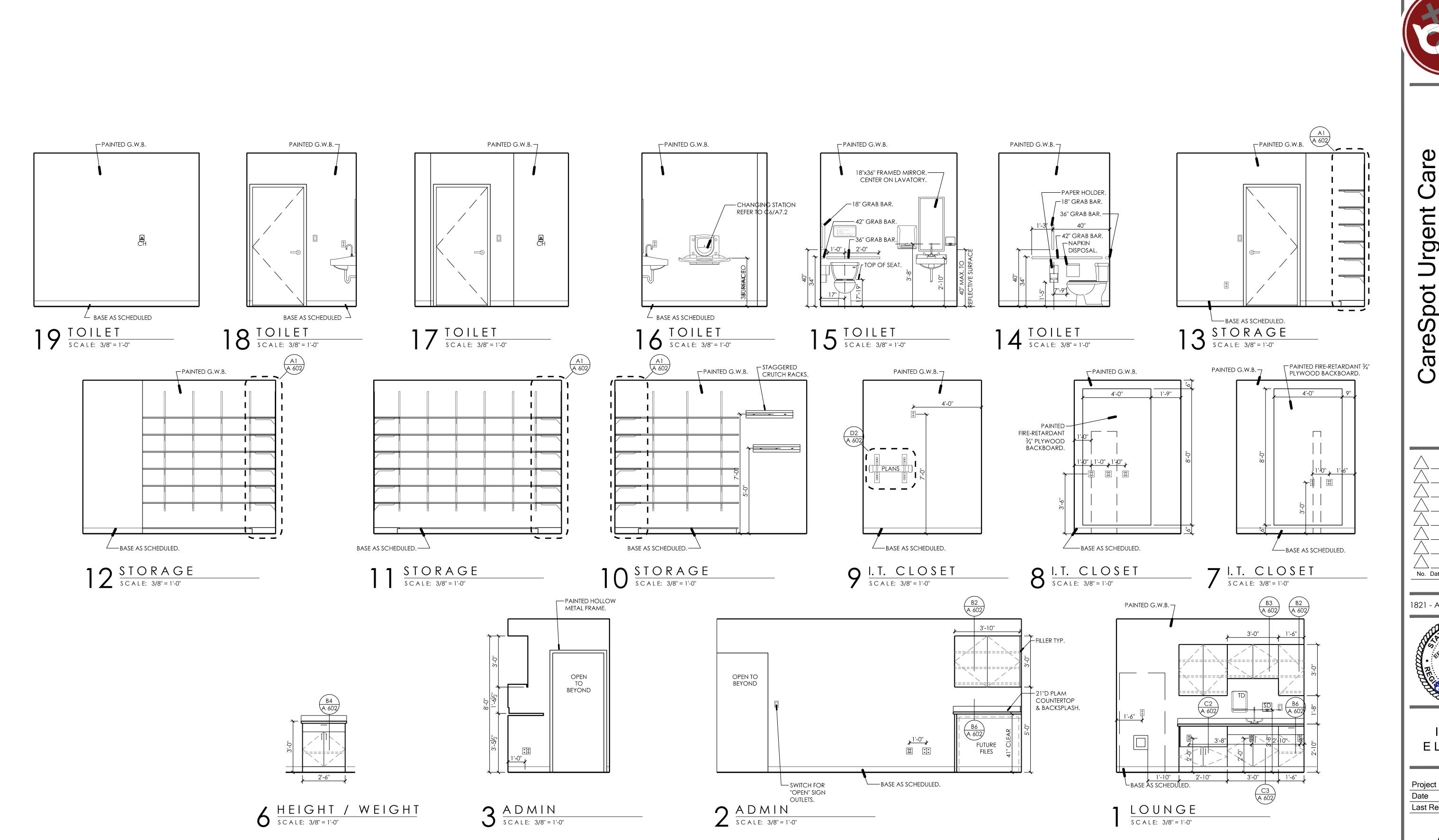


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INTERIOR ELEVATIONS

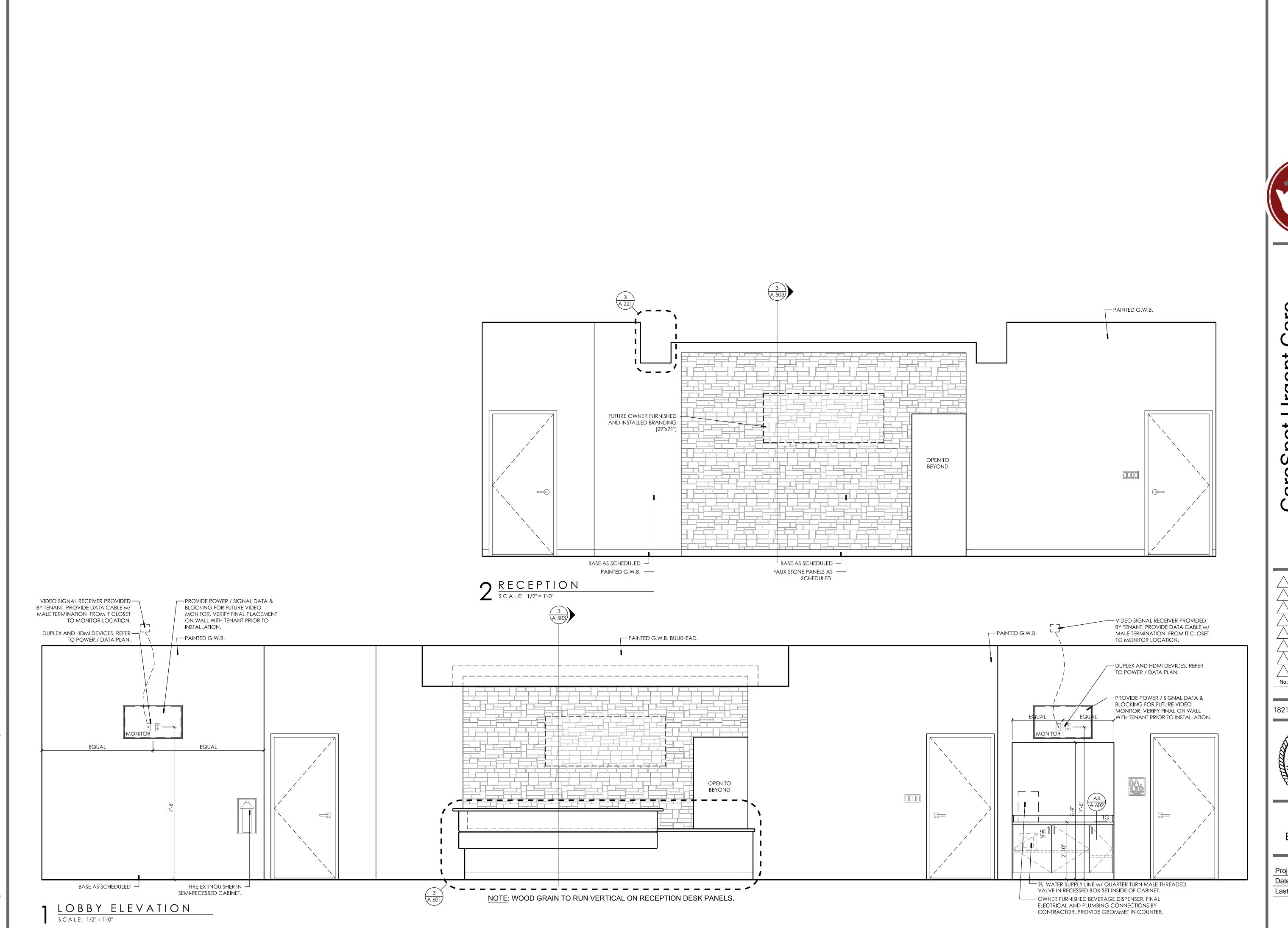


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INTERIOR ELEVATIONS

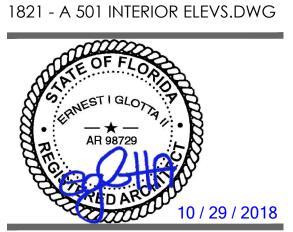




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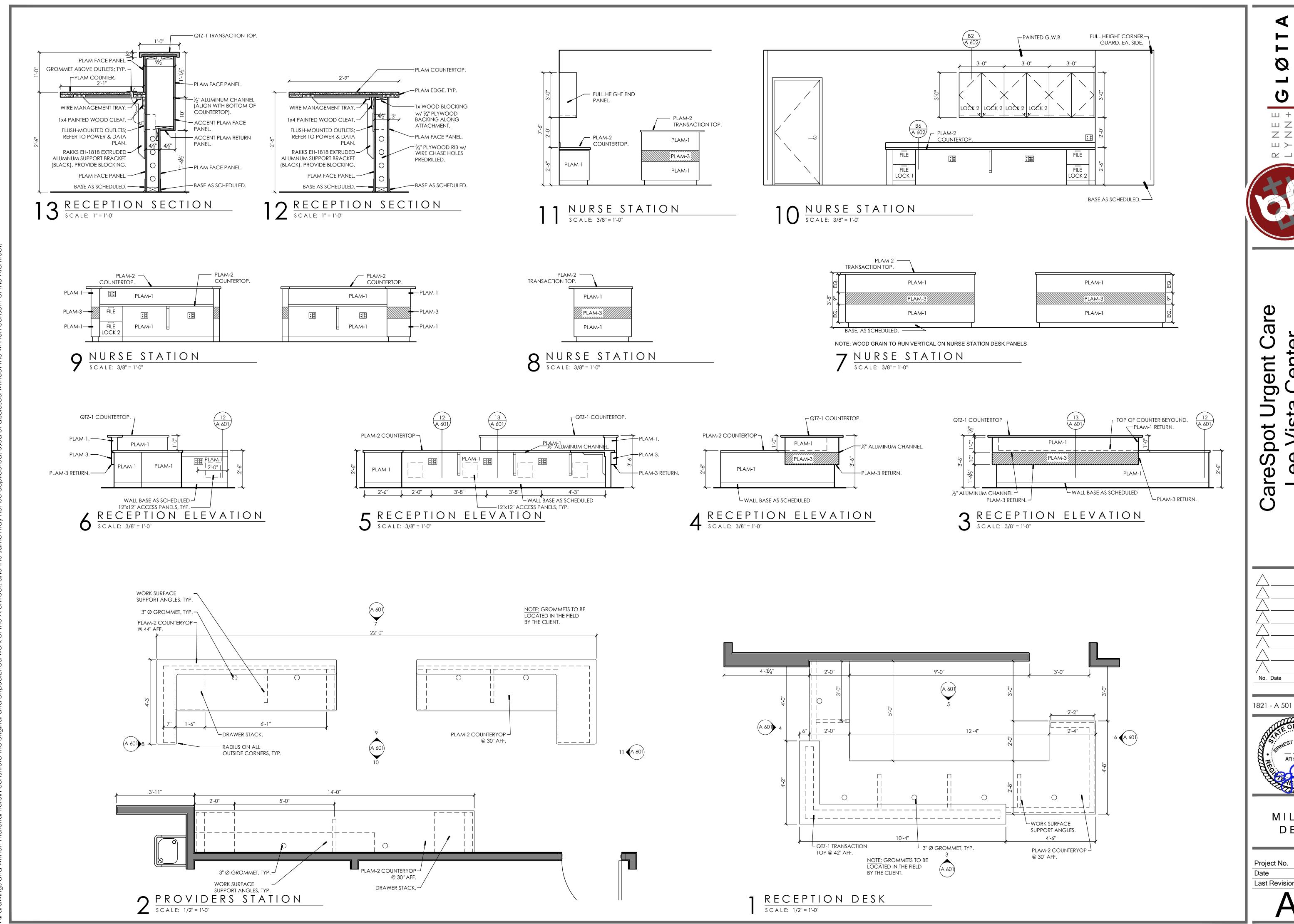
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Orlando, Florida 32801

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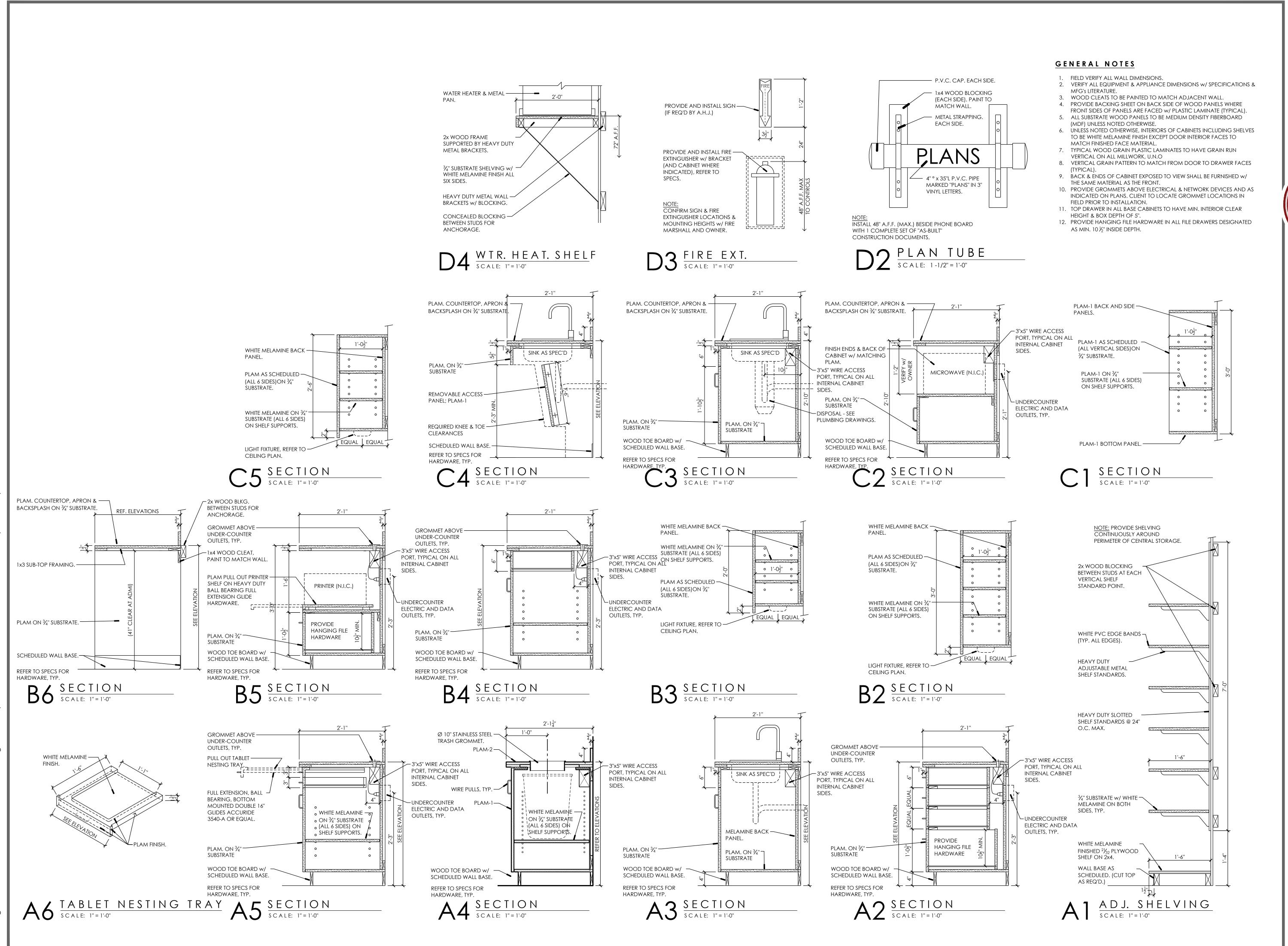
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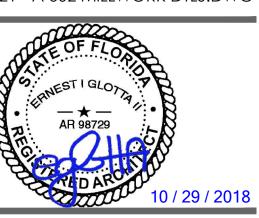
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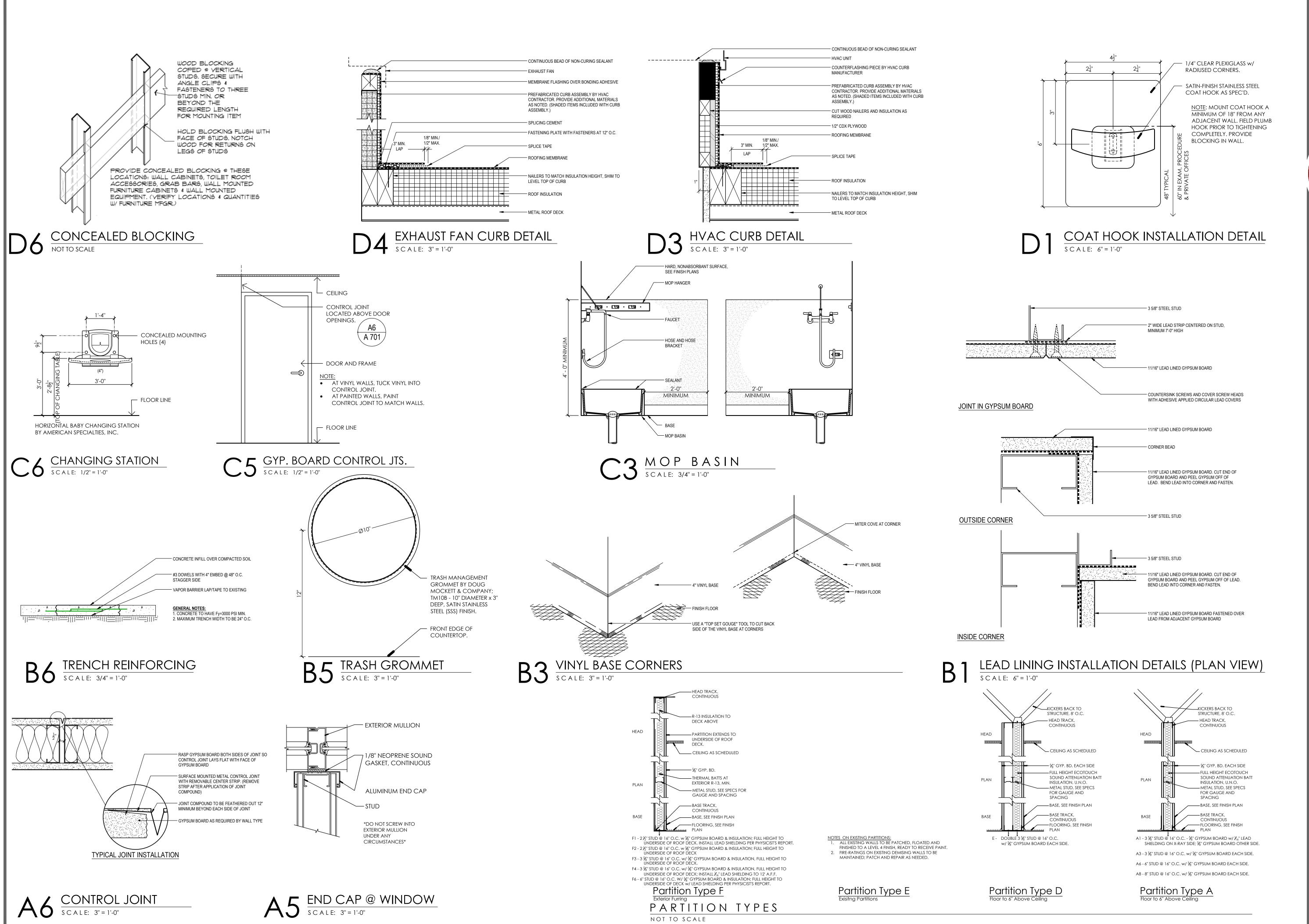
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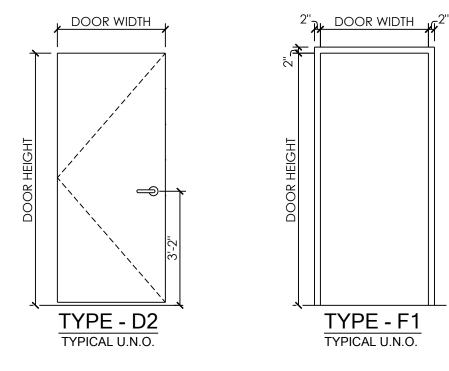
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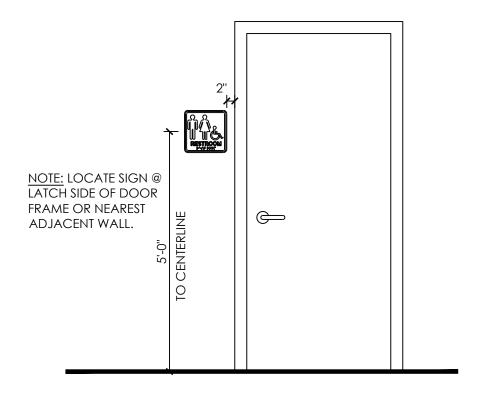
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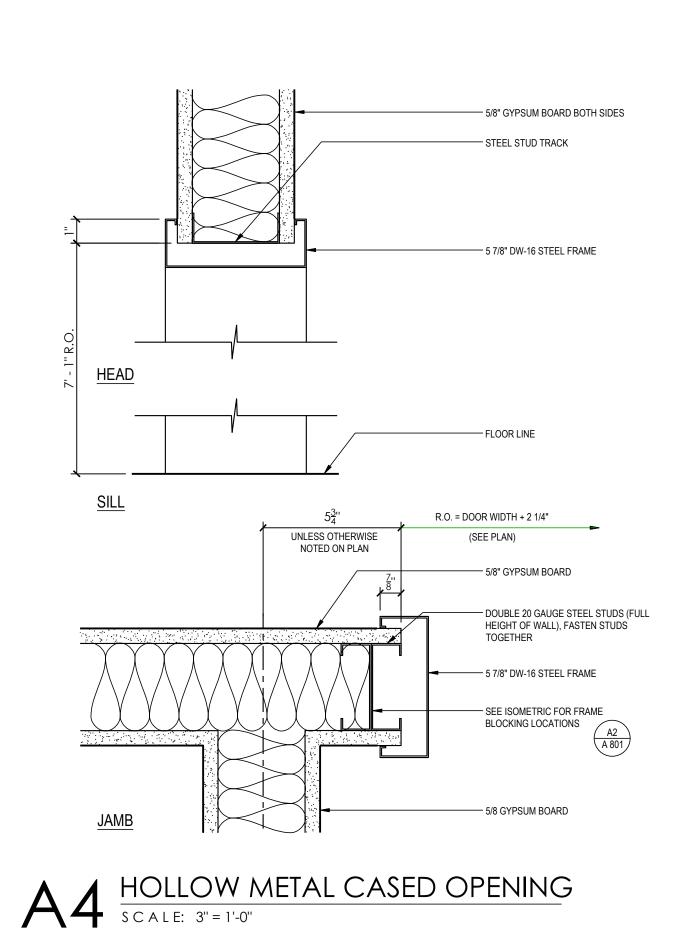
ARCHITECTURAL DETAILS

								DO	OR S	SCH	EDU	ILE			
			DOOF	R SIZE			DOOF	R MATER	RIALS		FRAMI	E MATERI	ALS		
DOOR NUMBER	DOOR LOCATION	HARDWARE GROUP	WIDTH 3'-0" U.N.O.	HEIGHT 7'-0" U.N.O.	THICKNESS 1-3/4" U.N.O.	DOOR ELEVATION D1 - U.N.O.	PLASTIC LAMINATE TYPICAL U.N.O.	HOLLOW METAL PAINTED		FRAME ELEVATION F1 - U.N.O.	PAINTED HOLLOW METAL TYPICAL U.N.O.			FIRE RATING (MINUTES) NON-RATED U.N.O.	REMARKS
001	STOREFRONT ENTRANCE	H1	3'-0"	7'-0''	EXIST.	EXIST.			ALUM	EXIST.	EXIST.	ALUM			EXISTING DOOR, FRAME AND HARDWARE. G.C. TO SURVE EXISTING CONDITIONS AND FURNISH & INSTALL ALL HARDWARE MISSING FROM SPECIFICATION; REKEY LOCK.
002	REAR DOOR	H9	3'-0"	7'-0''	EXIST.	EXIST.			EXIST.	EXIST.	EXIST.	EXIST.			EXISTING DOOR, FRAME AND HARDWARE. G.C. TO SURVEY EXISTING CONDITIONS AND FURNISH & INSTALL ALL HARDWARE MISSING FROM SPECIFICATION; REKEY LOCK.
101	WAITING TO CORRIDOR	H4	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				NON-LOCKABLE LATCHSET.
102	WAITING TO CORRIDOR	H4	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				NON-LOCKABLE LATCHSET.
103	LOBBY TOILET	H5	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
105	ADMIN TO CORRIDOR	N/A	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				HOLLOW METAL CASED OPENING; PAINTED.
107	I.T. CLOSET	Н8	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
108	EXAM 1	H2	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
109	PROCEDURE	H2	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				
110	EXAM 2	H2	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				
111	EXAM 3	H2	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				
112	X - RAY	НЗ	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				SHIELDED DOOR & FRAME.
115	EXAM 4	H2	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				
116	HOUSEKEEPING	H6	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
117	STAFF LOUNGE	H4	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
118	STAFF TOILET	H5	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
119	EXAM 5	H2	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
120	CENTRAL STORAGE	H6	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				
121	LAB	N/A	3'-0''	7'-0''	1-3/4"	D1	11			F1	21				HOLLOW METAL CASED OPENING; PAINTED.
122	COLLECTION TOILET	H5	3'-0"	7'-0''	1-3/4"	D1	11			F1	21				

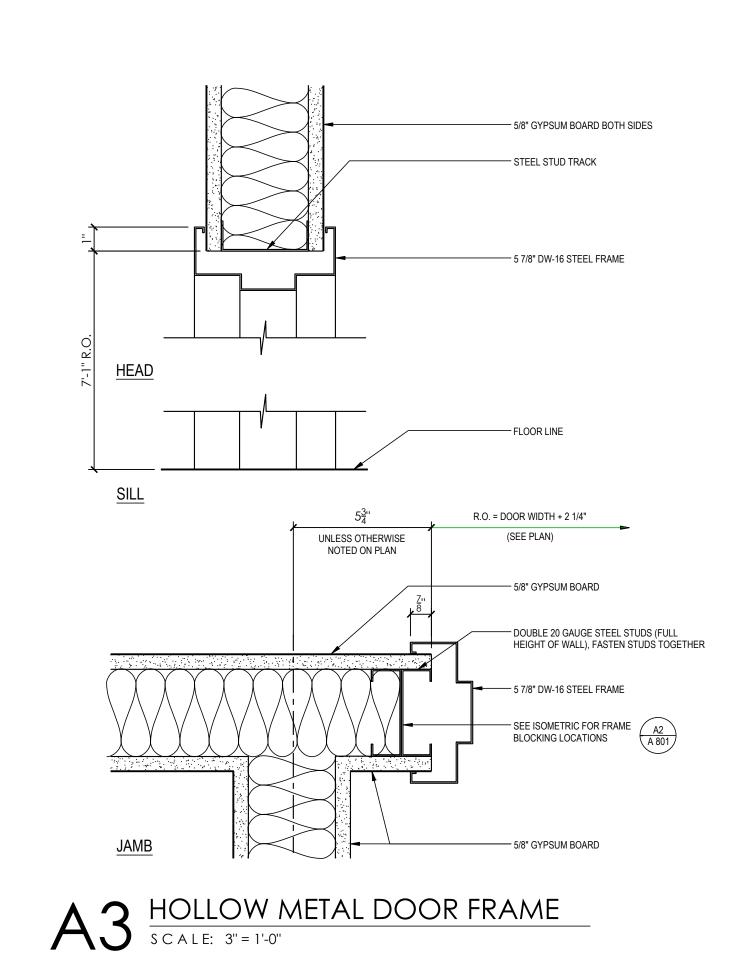


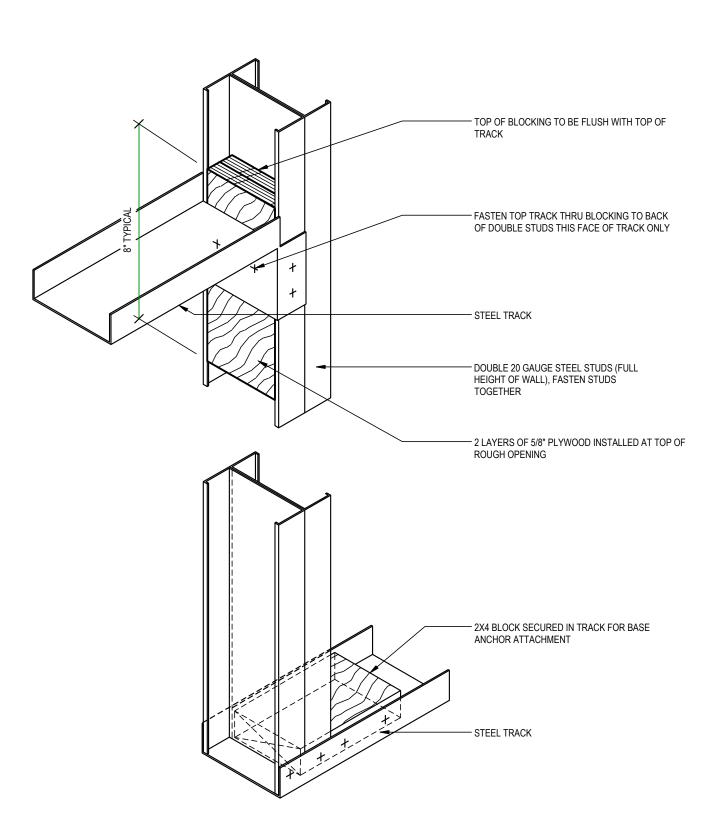




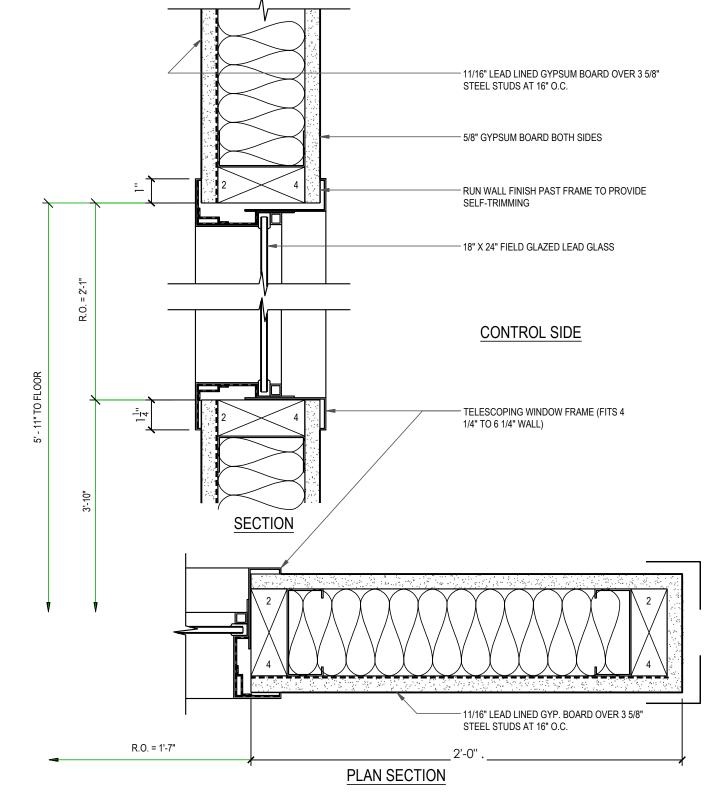


SILENCERS BY FRAME MANUFACTURER





A2 DOOR FRAME BLOCKING SCALE: 3" = 1'-0"



 $A \frac{1}{S C A L E: 3'' = 1'-0''}$

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302.2 CARPET, CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/ UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH (13mm) MAX. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

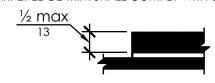


FIGURE 302.2 CARPET PILE HEIGHT

302.3 OPENINGS. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIA EXCEPT AS ALLOWED IN 407, 409, 410 AND 810. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

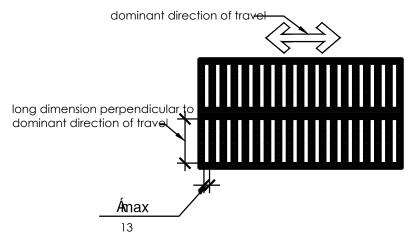
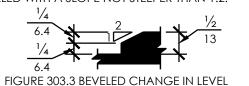


FIGURE 302.3 ELONGATED OPENINGS IN FLOOR OR GROUND SURFACES

303.2 VERTICAL. CHANGES IN LEVEL OF 1/4 INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

FIGURE 303.2 VERT CHANGE IN LEVEL

303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4 INCH HIGH MINIMUM AND 1/2 INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.



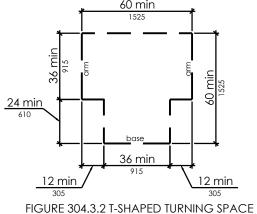
303.4 RAMPS. CHANGES IN LEVEL GREATER THAN 1/2 INCH HIGH SHALL BE RAMPED, AND SHALL COMPLY WITH 405 OR 406.

304 TURNING SPACE

304.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A TURNING SPACE SHALL COMPLY WITH 302. CHANGES IN LEVELS ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

304.3 SIZE. TURNING SPACE SHALL COMPLY WITH 304.3.1 OR 304.3.2. 304.3.1 CIRCULATION SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60 INCHES DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE A T-SHAPED SPACE WITHIN A 60

INCH SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OF ONE ARM.



305 CLEAR FLOOR OR GROUND SPACE

305.3 SIZE. THE CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES MINIMUM BY 48 INCHES MINIMUM.

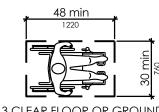
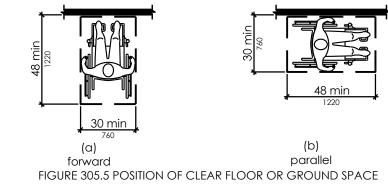


FIGURE 305.3 CLEAR FLOOR OR GROUND SPACE

305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306. 305.5 POSITION. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE POSITIONED FOR EITHER FORWARD OR PARALLEL APPROACH TO AN ELEMENT



305.7 MANEUVERING CLEARANCES. WHERE A CLEAR FLOOR OR GROUND SPACE IS LOCATED IN AN ALCOVE OR OTHERWISE CONFINED ON ALL OR PART OF THREE SIDES, ADDITIONAL MANEUVERING CLEARANCE SHALL BE PROVIDED IN ACCORDANCE WITH 305.7.1 AND 305.7.2. 305.7.1 FORWARD APPROACH. ALCOVES SHALL BE 36 INCHES WIDE MINIMUM WHERE THE

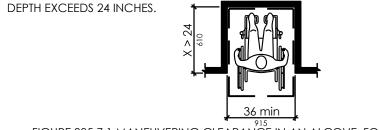


FIGURE 305.7.1 MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

305.7.2 PARALLEL APPROACH. ALCOVES SHALL BE 60 INCHES WIDE MINIMUM WHERE THE

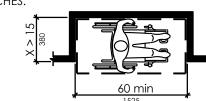
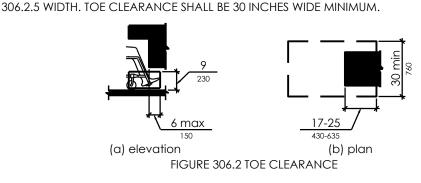


FIGURE 305.7.2 MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

306 KNEE AND TOE CLEARANCE

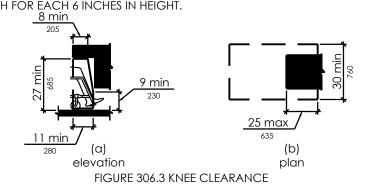
306.2 TOE CLEARANCE. 306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN

306.2.3 MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17 INCHES MINIMUM UNDER THE ELEMENT. 306.2.4 ADDITIONAL CLEARANCES. SPACE EXTENDING GREATER THAN 6 INCHES BEYOND THE AVAILABLE KNEE CLEARANCE AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.



306.3 KNEE CLEARANCE. 306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN

ELEMENT AT 9 INCHES ABOVE FINISHED FLOOR OR GROUND. 306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISHED FLOOR OR GROUND, AND 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE FINISHED FLOOR OR GROUND. 306.3.4 CLEARANCE REDUCTION. BETWEEN 9 INCHES AND 27 INCHES ABOVE THE FINISHED FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1 INCH IN DEPTH FOR EACH 6 INCHES IN HEIGHT.



307 PROTRUDING OBJECTS 307.2 PROTRUSION LIMITS. OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND NOT MORE THAN 80 INCHES ABOVE FINISHED FLOOR OR GROUND SHALL PROTRUDE 4 INCHES MAXIMUM HORIZONTALLY INTO THE CIRCULATION

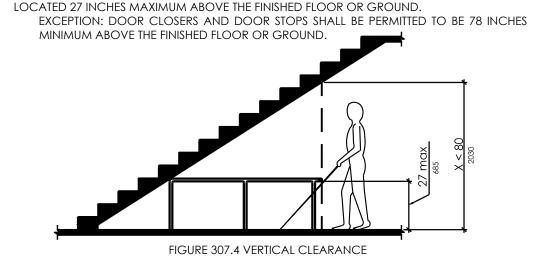
FIGURE 307.2 LIMITS OF PROTRUDING OBJECTS 307.3 POST-MOUNTED OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS 12 INCHES MAXIMUM WHEN LOCATED 27 INCHES MINIMUM AND 80 INCHES MAXIMUM ABOVE FINISHED FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE BETWEEN THE POSTS OR PYLONS IS GREATER THAN 12 INCHES, THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27 INCHES MAXIMUM OR 80 INCHES MINIMUM ABOVE THE

FINISHED FLOOR OR GROUND. EXCEPTION: THE SLOPING PORTIONS OF HANDRAILS SERVING STAIRS AND RAMPS SHALL NOT BE REQUIRED TO COMPLY WITH 307.3.

FIGURE 307.3 POST-MOUNTED PROTRUDING OBJECTS

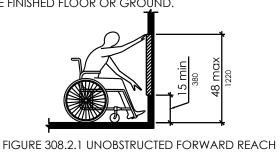
307.4 VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80 INCHES HIGH MINIMUM.

GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80 INCHES HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE



308 REACH RANGES 308.2 FORWARD REACH.

308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISHED FLOOR OR GROUND.



308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH DEPTH IS 20 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES, THE HIGH FORWARD REACH SHALL BE 44 INCHES MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES

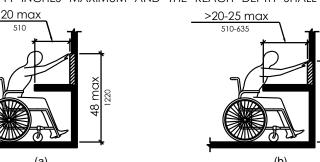


FIGURE 308.2.2 OBSTRUCTED HIGH FORWARD REACH

308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

EXCEPTIONS: 1. AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10 INCHES MAXIMUM. 2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE

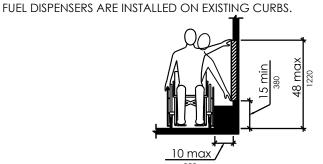
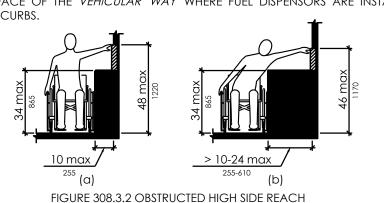


FIGURE 308.3.1 UNOBSTRUCTED SIDE REACH

308.3.2 OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL BE 34 INCHES MAXIMUM AND THE DEPTH OF THE OBSTRUCTION SHALL BE 24 INCHES MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM FOR A REACH DEPTH OF 10 INCHES MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES, THE HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM FOR A REACH DEPTH OF 24 INCHES MAXIMUM.

EXCEPTIONS: 1. THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. 2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSORS ARE INSTALLED ON

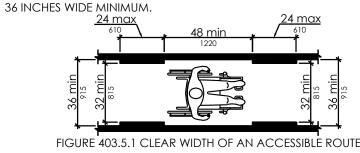


403 WALKING SURFACES

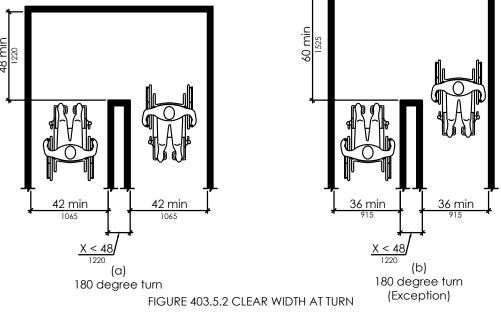
403.5 CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCES COMPLYING WITH

EXCEPTION: WITHIN EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF WORK 403.5.1 CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2 AND 403.5.3, THE CLEAR WIDTH

OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM. EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32 INCHES MINIMUM FOR A LENGTH OF 24 INCHES MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48 INCHES LONG MINIMUM AND



403.5.2 CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN *ELEMENT* WHICH IS LESS THAT 48 INCHES WIDE, CLEAR WIDTH SHALL BE 42 INCHES MINIMUM APPROACHING THE TURN, 48 INCHES MINIMUM AT THE TURN AND 42 INCHES MINIMUM LEAVING THE TURN. EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60 INCHES MINIMUM



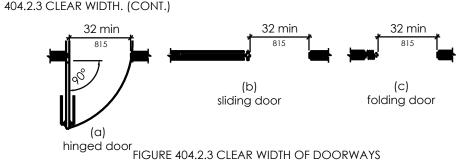
404 DOORS, DOORWAYS AND GATES

COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

404.2.3 CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES.

EXCEPTIONS: 1. IN ALTERATIONS, A PROJECTION OF 5/8 INCH MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. 2. DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

404 DOORS, DOORWAYS AND GATES



404.2.4 MANEUVERING CLEARANCES. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 404.2.4. MANEUVERING CLEARANCES SHALL EXTEND THE full width of the doorway and the required latch side or hinge side clearance. EXCEPTION: ENTRY DOORS TO HOSPITAL PATIENT ROOMS SHALL NOT BE REQUIRED TO PROVIDE THE CLEARANCE BEYOND THE LATCH SIDE OF THE DOOR. 404.2.4.1 SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE

TABLE 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

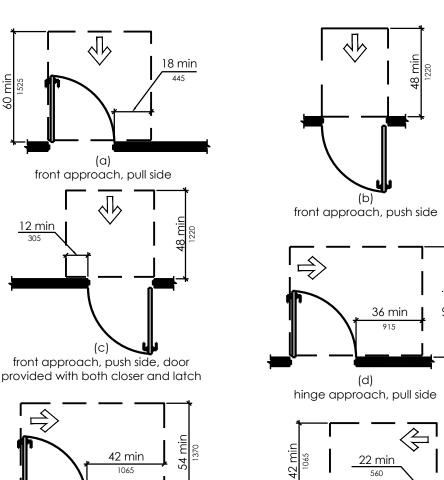
MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1.

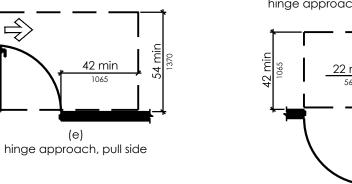
Туре о	f Use	Minimum Maneuvering Clearance					
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)				
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)				
From front Push		48 inches (1220 mm)	0 inches (0 mm) ¹				
From hinge side Pull		60 inches (1525 mm)	36 inches (915 mm)				
From hinge side Pull		54 inches (1370 mm)	42 inches (1065 mm)				
From hinge side	Push	42 inches (1065 mm) ²	22 inches (560 mm) ³				
From latch side Pull		48 inches (1220 mm) ⁴	24 inches (610 mm)				
From latch side	Push	42 inches (1065 mm) ⁴	24 inches (610 mm)				
Add 12 inches (305mm) if closer and latch are provided. Add 6 inches (150mm) if closer and latch are provided.							

2. Add 6 inches (150mm) if closer and latch are provided. 3. Beyond hinge side.

4. Add 6 inches (150mm) if closer is provided.



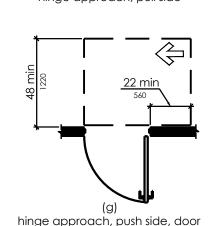


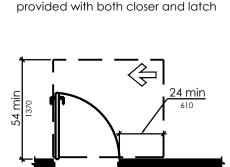


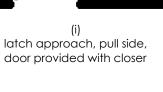
hinge approach, push side

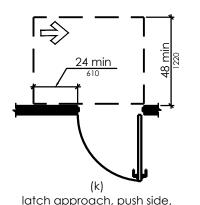
latch approach, pull side

latch approach, push side









door provided with closer

FIGURE 404.2.4.1 MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES

404.2.4.2 DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE

TABLE 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS.

	Minimum Maneuvering Clearance					
Approach Direction	Perpendicular to Doorway	Parallel to Doorway (beyond stop/ latch side unless noted				
From front	48 inches (1220 mm)	0 inches (0 mm)				
From side 1	42 inches (1065 mm)	0 inches (0 mm)				
From pocket/hinge side	42 inches (1065 mm)	22 inches (560 mm) ²				
From stop/latch side	42 inches (1065 mm)	24 inches (610 mm)				

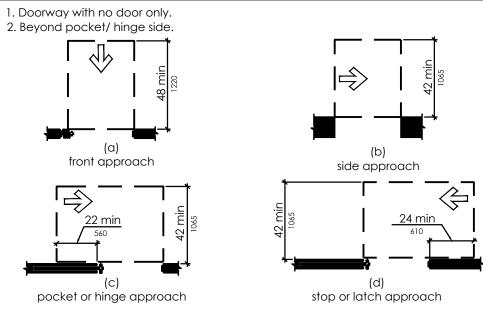
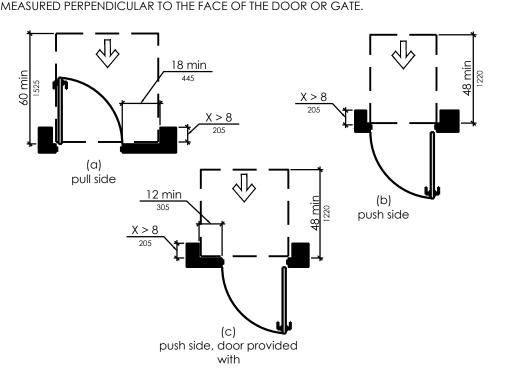


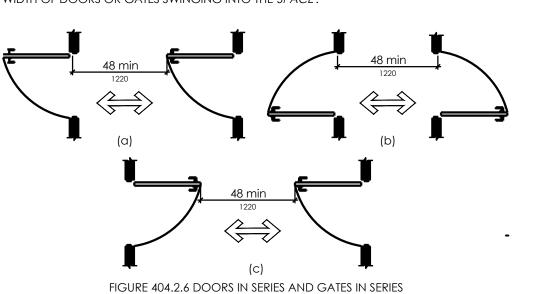
FIGURE 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

404.2.4.3 RECESSED DOORS AND GATES. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR,

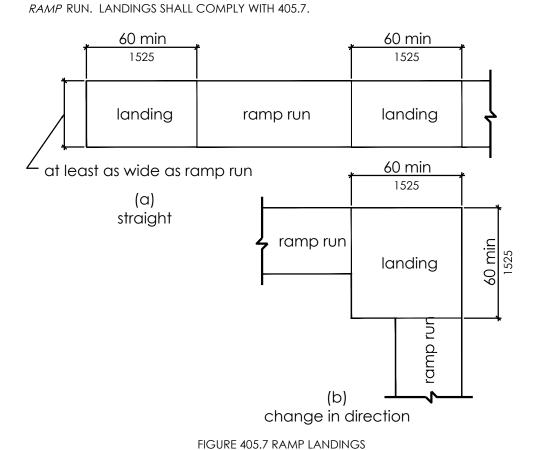


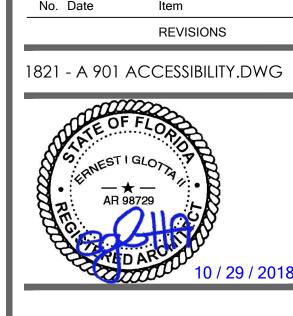
both closer and latch FIGURE 404.2.4.3 MANEUVERING CLEARANCE AT RECESSED DOORS AND GATES

404.2.6 DOORS IN SERIES AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48 INCHES MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.



405.7 LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH





ACCESSIBILITY STANDARDS

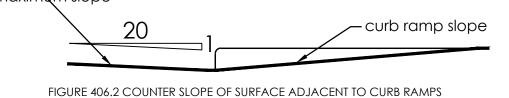
Project No. 10 / 29 / 2018 Date Last Revision

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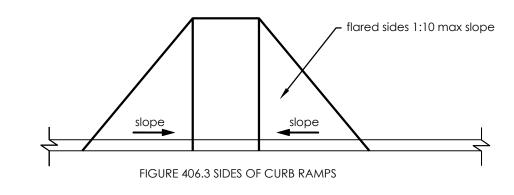
406 CURB RAMPS

406.2 COUNTER SLOPE. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.

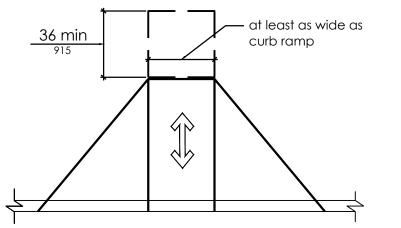
adjoining surface maximum slope



406.3 SIDES OF CURB RAMPS. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER



406.4 LANDINGS. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36 INCHES MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE EXCEPTION: IN ALTERATIONS, WHERE THERE IS NO LANDING AT THE TOP OF CURB



RAMPS, CURB RAMP FLARES SHALL BE PROVIDED AND SHALL NOT BE STEEPER THAN 1:12.

FIGURE 406.4 LANDINGS AT THE TOP OF CURB RAMPS

406.6 DIAGONAL CURB RAMPS. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48 INCHES MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48 INCHES MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMPS WITH FLARED SIDES SHALL HAVE A SEGMENT OF CURB 24 INCHES LONG MINIMUM LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

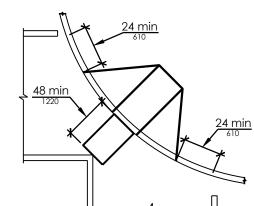


FIGURE 406.6 DIAGONAL OR CORNER TYP CURB RAMPS

406.7 ISLANDS. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48 INCHES LONG MINIMUM BY 36 INCHES WIDE MINIMUM AT THE TOP OF THE CURB RAMP IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS. EACH 48 INCH MINIMUM BY 36 INCH MINIMUM AREA SHALL BE ORIENTED SO THAT THE 48 INCH MINIMUM LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48 INCH MINIMUM BY 36 INCH MINIMUM AREAS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO

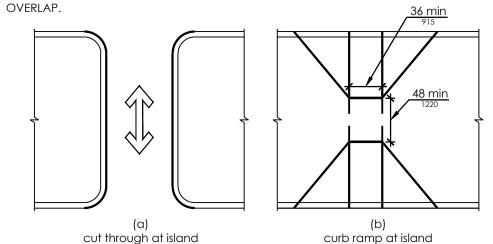
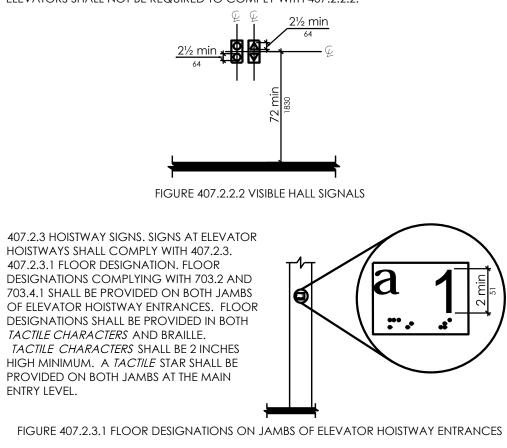


FIGURE 406.7 ISLANDS IN CROSSINGS

407.2.2 HALL SIGNALS. HALL SIGNALS, INCLUDING IN-CAR SIGNALS, SHALL COMPLY WITH

407.2.2.1 VISIBLE AND AUDIBLE SIGNALS. A VISIBLE AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY ENTRANCE TO INDICATE WHICH CAR IS ANSWERING A CALL AND THE CAR'S DIRECTION OF TRAVEL. WHERE IN-CAR SIGNALS ARE PROVIDED, THEY SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTONS. EXCEPTIONS: 1. VISIBLE AND AUDIBLE SIGNALS SHALL NOT BE REQUIRED AT EACH

DESTINATION-ORIENTED ELEVATOR WHERE A VISIBLE AND AUDIBLE SIGNAL COMPLYING WITH 407.2.2 IS PROVIDED INDICATING THE ELEVATOR CAR DESIGNATION INFORMATION. 2. IN EXISTING ELEVATORS, A SIGNAL INDICATING THE DIRECTION OF CAR TRAVEL SHALL NOT BE REQUIRED. 407.2.2.2 VISIBLE SIGNALS. VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2 INCHES MINIMUM MEASURED ALONG THE VERTICAL CENTERLINE OF THE ELEMENT. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTON. EXCEPTIONS: 1. DESTINATION-ORIENTED ELEVATORS SHALL BE PERMITTED TO HAVE SIGNALS VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HOISTWAY ENTRANCE. 2. EXISTING ELEVATORS SHALL NOT BE REQUIRED TO COMPLY WITH 407.2.2.2.



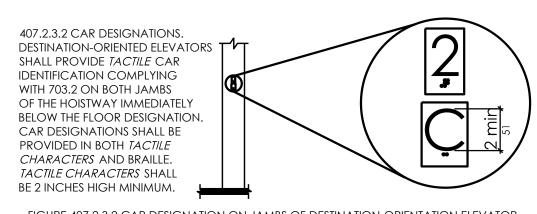
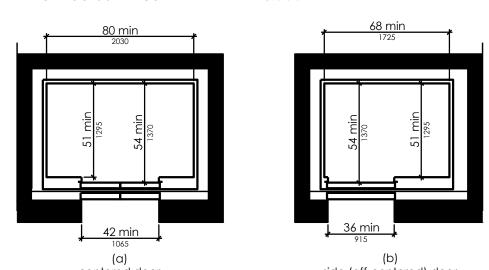


FIGURE 407.2.3.2 CAR DESIGNATION ON JAMBS OF DESTINATION-ORIENTATION ELEVATOR

407.4 ELEVATOR CAR REQUIREMENTS. ELEVATOR CARS SHALL COMPLY WITH 407.4. 407.4.1 CAR DIMENSIONS. INSIDE DIMENSIONS OF ELEVATOR CARS AND CLEAR WIDTH OF ELEVATOR DOORS SHALL COMPLY WITH TABLE 407.4.1.



side (off-centered) door centered door FIGURE 407.4.1 ELEVATOR CAR DIMENSIONS

408 LIMITED-USE / LIMITED-APPLICATION ELEVATORS

408.4 ELEVATOR CARS. ELEVATOR CARS SHALL COMPLY WITH 408.4. 408.4.1 CAR DIMENSIONS AND DOORS. ELEVATOR CARS SHALL PROVIDE A CLEAR WIDTH 42 INCHES MINIMUM AND A CLEAR DEPTH 54 INCHES MINIMUM. CAR DOORS SHALL BE POSITIONED AT THE NARROW ENDS OF CARS AND SHALL PROVIDE 32 INCHES MINIMUM

EXCEPTIONS: 1. CARS THAT PROVIDE A CLEAR WIDTH 51 INCHES MINIMUM SHALL BE PERMITTED TO PROVIDE A CLEAR DEPTH 51 INCHES MINIMUM PROVIDED THAT CAR DOORS PROVIDE A CLEAR OPENING 36 INCHES WIDE MINIMUM. 2. EXISTING ELEVATOR CARS SHALL BE PERMITTED TO PROVIDE A CLEAR WIDTH 36 INCHES MINIMUM, CLEAR DEPTH 54 INCHES MINIMUM, AND A NET CLEAR PLATFORM AREA 15 SQUARE FEET MINIMUM.

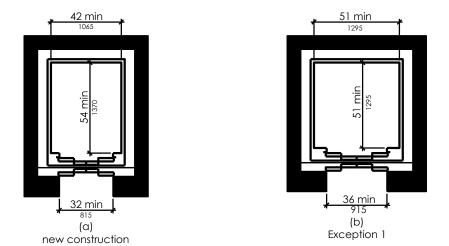
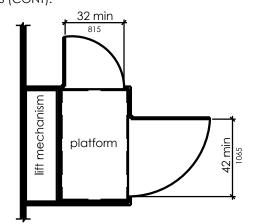


FIGURE 408.4.1 LIMITED-USE / LIMITED-APPLICATION (LULA) ELEVATOR CAR DIMENSIONS

410 PLATFORM LIFTS

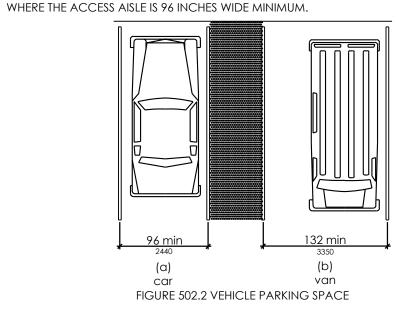
410.6 DOORS AND GATES. PLATFORM LIFTS SHALL HAVE LOW-ENERGY POWER-OPERATED DOORS OR GATES COMPLYING WITH 404.3. DOORS SHALL REMAIN OPEN FOR 20 SECONDS MINIMUM. END DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH 32 INCHES MINIMUM. SIDE DOORS AND GATES SHALL PROVIDE A CLEAR WIDTH 42 INCHES MINIMUM. EXCEPTION: PLATFORM LIFTS SERVING TWO LANDINGS MAXIMUM AND HAVING DOORS OR GATES ON OPPOSITE SIDES SHALL BE PERMITTED TO HAVE SELF-CLOSING MANUAL 410.6 DOORS AND GATES (CONT).



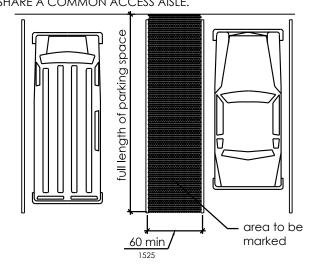
502 PARKING SPACES

502.2 VEHICLE SPACES. CAR PARKING SPACES SHALL BE 96 INCHES WIDE MINIMUM AND VAN PARKING SPACES SHALL BE 132 INCHES WIDE MINIMUM, SHALL BE MARKED TO DEFINE THE WIDTH, AND SHALL HAVE AN ADJACENT ACCESS AISLE COMPLYING WITH 502.3. EXCEPTION: VAN PARKING SPACES SHALL BE PERMITTED TO BE 96 INCHES WIDE MINIMUM

FIGURE 410.6 PLATFORM LIFT DOORS AND GATES



502.3 ACCESS AISLE. ACCESS AISLES SERVING PARKING SPACES SHALL COMPLY WITH 502.3. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE.



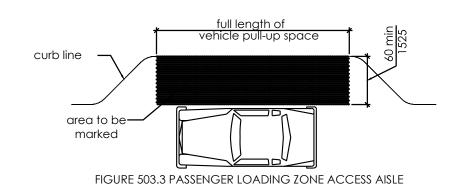
502.3.1 WIDTH. ACCESS AISLES SERVING CAR AND VAN PARKING SPACES SHALL BE 60 INCHES WIDE MINIMUM. 502.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THEY SERVE 502.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN

FIGURE 502.3 PARKING SPACE ACCESS AISLE

503 PASSENGER LOADING ZONE

503.2 VEHICLE PULL-UP SPACE. PASSENGER LOADING ZONES SHALL PROVIDE A VEHICULAR PULL-UP SPACE 96 INCHES WIDE MINIMUM AND 20 FEET LONG MINIMUM. 503.3 ACCESS AISLE. PASSENGER LOADING ZONES SHALL PROVIDE ACCESS AISLES COMPLYING WITH 503 ADJACENT TO THE VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL ADJOIN AN ACCESSIBLE ROUTE AND SHALL NOT OVERLAP THE VEHICULAR WAY. 503.3.1 WIDTH. ACCESS AISLES SERVING VEHICLE PULL-UP SPACES SHALL BE 60 INCHES WIDE

503.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE VEHICLE PULL-UP SPACES THEY SERVE. 503.3.3 MARKING. ACCESS AISLES SHALL BE MARKED SO AS TO DISCOURAGE PARKING IN

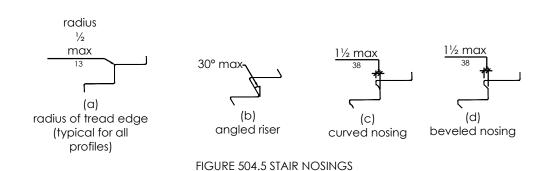


504.1 GENERAL. STAIRS SHALL COMPLY WITH 504.

504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM.

504.3 OPEN RISERS. OPEN RISERS ARE NOT PERMITTED. 504.4 TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT

EXCEPTION: TREADS SHALL BE PERMITTED TO HAVE A SLOPE NOT STEEPER THAN 1:48. 504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 1 1/2 INCHES (38 MM) MAXIMUM OVER THE TREAD BELOW.

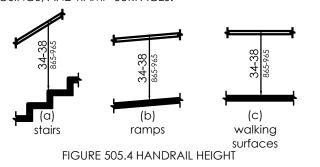


505.2 Where required. Handrails shall be provided on both sides of stairs and

EXCEPTION: IN ASSEMBLY AREAS, HANDRAILS SHALL NOT BE REQUIRED ON BOTH SIDES OF AISLE RAMPS WHERE A HANDRAIL IS PROVIDED AT EITHER SIDE OR WITHIN THE AISLE 505.3 CONTINUITY. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH

STAIR FLIGHT OR *RAMP* RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS AND RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS. EXCEPTION: IN ASSEMBLY AREAS, HANDRAILS ON RAMPS SHALL NOT BE REQUIRED TO BE CONTINUOUS IN AISLES SERVING SEATING.

505.4 HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.



505.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2 INCHES MINIMUM.



FIGURE 505.5 HANDRAIL CLEARANCE

505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1 1/2 INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE.

EXCEPTIONS: 1. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH SLOPES NOT STEEPER THAN 1:20, THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL BE PERMITTED TO BE OBSTRUCTED ALONG THEIR ENTIRE LENGTH WHERE THEY ARE INTEGRAL TO CRASH RAILS OR BUMPER GUARDS. 2. THE DISTANCE BETWEEN HORIZONTAL PROJECTIONS AND THE BOTTOM OF THE GRIPPING SURFACE SHALL BE PERMITTED TO BE REDUCED BY 1/8 INCH FOR EACH 1/2 INCH OF ADDITIONAL HANDRAIL PERIMETER DIMENSION THAT EXCEEDS 4 INCHES.



FIGURE 505.6 HORIZONTAL PROJECTIONS BELOW GRIPPING SURFACE

505.10 HANDRAIL EXTENSIONS. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND *RAMP* RUNS IN ACCORDANCE WITH 505.10. EXCEPTIONS: 1. EXTENSIONS SHALL NOT BE REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF SWITCHBACK OR DOGLEG STAIRS AND RAMPS. 2. IN ASSEMBLY AREAS, EXTENSIONS SHALL NOT BE REQUIRED FOR RAMP HANDRAILS IN AISLES SERVING SEATING WHERE THE HANDRAILS ARE DISCONTINUOUS TO PROVIDE ACCESS TO SEATING AND TO PERMIT CROSSOVERS WITHIN AISLES. 3. IN ALTERATIONS, FULL EXTENSIONS OF HANDRAILS SHALL NOT BE REQUIRED WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS DUE TO PLAN CONFIGURATION.

505.10.1 TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

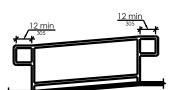


FIGURE 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSIONS AT RAMPS

505.10.2 TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES (305 MM) MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

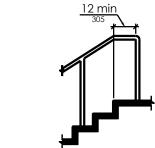


FIGURE 505.10.2 TOP HANDRAIL EXTENSION AT STAIRS

505.10.3 BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

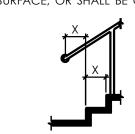


FIGURE 505.10.3 BOTTOM HANDRAIL EXTENSION AT STAIRS

602.2 CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. EXCEPTION: A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE SPOUT IS 30 INCHES MAXIMUM ABOVE THE FINISH

FLOOR OR GROUND AND IS 3 1/2 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. 602.4 SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36 INCHES MAXIMUM ABOVE THE FINISH

602.5 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15 INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5 INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS.

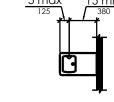
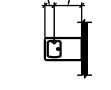


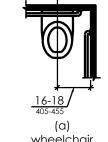
FIGURE 602.5 DRINKING FOUNTAIN SPOUT LOCATION



604 WATER CLOSETS AND TOILET COMPARTMENTS 04.2 LOCATION. THE WATER CLOS SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 16 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET

COMPARTMENT SPECIFIED IN 604.8.2.

WATER CLOSETS SHALL BE ARRANGED



wheelchair ambulatory accessible accessible water water closets closets

FOR A LEFT-HAND OR RIGHT-HAND APPROACH. FIGURE 604.2 WATER CLOSET LOCATION

604.3 CLEARANCE. CLEARANCES AROUND WATER CLOSETS AND IN TOILET COMPARTMENTS SHALL COMPLY WITH 604.3. 604.3.1 SIZE. CLEARANCE AROUND A WATER CLOSET SHALL BE **60 INCHES MINIMUM MEASURED** PERPENDICULAR FROM THE SIDE WALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL.

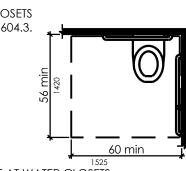


FIGURE 604.3.1 SIZE OF CLEARANCE AT WATER CLOSETS

604.4 HEIGHT. THE SEAT HEIGHT OF WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT, SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. EXCEPTION: A WATER CLOSET IN A TOILET ROOM FOR A SINGLE OCCUPANT, ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC SHALL NOT BE REQUIRED TO COMPLY WITH SECTION 604.4

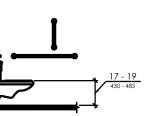


FIGURE 604.4 WATER CLOSET HEIGHT

604.5 GRAB BARS. GRAB BARS FOR WATER CLOSETS SHALL COMPLY WITH 609. GRAB BARS SHALL BE PROVIDED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET AND ON THE REAR

EXCEPTIONS: 1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A TOILET ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 604.5. 2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN TOILET OR BATHROOMS PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 604.5. 3. IN DETENTION OR CORRECTION FACILITIES. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN HOUSING OR HOLDING CELLS THAT ARE SPECIALLY DESIGNED WITHOUT PROTRUSIONS FOR PURPOSES OF SUICIDE

PREVENTION. 604.5.1 FIXED SIDE WALL GRAB BARS. FIXED SIDEWALL GRAB BARS SHALL BE 42

INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL. IN ADDITION, A VERTICAL GRAB BAR 18 INCHES LONG MINIMUN SHALL BE MOUNTED WITH THE BOTTOM BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED BETWEEN 39 INCHES AND 41 INCHES FROM THE REAR WALL.

EXCEPTIONS: 1. IN TYPE A AND TYPE B UNITS, THE VERTICAL GRAB BAR COMPONENT IS NOT REQUIRED.

36 INCHES MINIMUM DUE TO THE

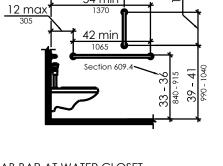


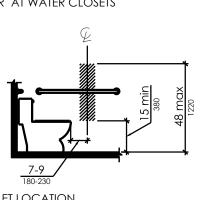
FIGURE 604.5.1 SIDE WALL GRAB BAR AT WATER CLOSET

604.5.2 REAR WALL. THE REAR WALL GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE.

EXCEPTIONS: 1. THE REAR GRAB BAR SHALL BE PERMITTED TO BE 24 INCHES LONG MINIMUM, CENTERED ON THE WATER CLOSET, WHERE WALL SPACE DOES NOT PERMIT A LENGTH OF 24 min LOCATION OF A RECESSED FIXTURE ADJACENT TO THE WATER CLOSET. 2. WHERE AN ADMINISTRATIVE AUTHORITY REQUIRES FLUSH CONTROLS FOR FLUSH VALVES TO BE LOCATED IN A POSITION THAT CONFLICTS WITH THE LOCATION OF THE REAR GRAB BAR, THEN THE REAR GRAB BAR SHALL BE PERMITTED TO

BE SPLIT OR SHIFTED TO THE OPEN SIDE OF THE TOILET AREA. FIGURE 604.5.2 REAR WALL GRAB BAR AT WATER CLOSETS

604.7 DISPENSERS. TOILET PAPER DISPENSERS SHALL COMPLY WITH 309.4 AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROLS DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW. FIGURE 604.7 DISPENSER OUTLET LOCATION



604.8 TOILET COMPARTMENTS. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF 604.8.1 AND 604.8.3. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH 603. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH 604.8.2 AND 604.8.3. 604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS. WHEELCHAIR ACCESSIBLE

COMPARTMENTS SHALL COMPLY WITH 604.8.1. 604.8.1.1 SIZE. WHEELCHAIR ACCESSIBLE COMPARTMENTS SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 56 INCHES DEEP MINIMUM FOR WALL HUNG WATER CLOSETS AND 59 INCHES DEEP MINIMUM FOR FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL. WHEELCHAIR ACCESSIBLE COMPARTMENTS FOR CHILDREN'S USE SHALL BE 60 INCHES WIDE MINIMUM MEASURED PERPENDICULAR TO THE SIDE WALL, AND 59 INCHES DEEP MINIMUM FOR WALL HUNG AND FLOOR MOUNTED WATER CLOSETS MEASURED PERPENDICULAR TO THE REAR WALL.

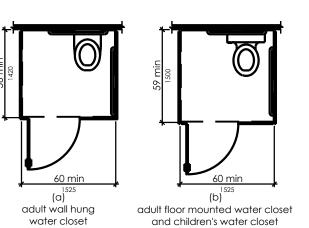


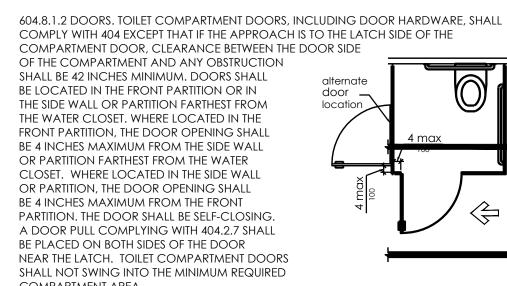
FIGURE 604.8.1.1 SIZE OF WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

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COMPARTMENT AREA.
FIGURE 604.8.1.2 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

604.8.1.4 TOE CLEARANCE. THE FRONT PARTITION AND AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR.

EXCEPTION: TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 62 INCHES DEEP WITH A WALL-HUNG WATER CLOSET OR 65 INCHES DEEP WITH A FLOOR-MOUNTED WATER CLOSET. TOE CLEARANCE AT THE SIDE PARTITION IS NOT REQUIRED IN A COMPARTMENT GREATER THAN 66 INCHES WIDE. TOE CLEARANCE AT THE FRONT PARTITION IS NOT REQUIRED IN A COMPARTMENT FOR CHILDREN'S USE THAT IS GREATER THAN 65 INCHES DEEP.

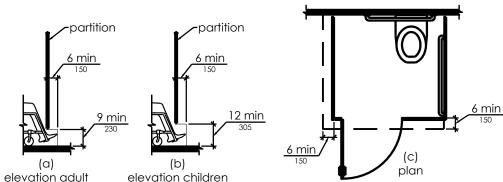


FIGURE 604.8.1.4 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT TOE CLEARANCE

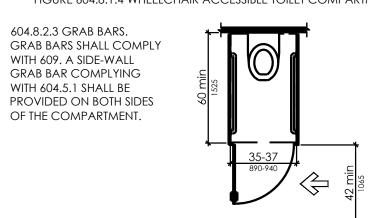


FIGURE 604.8.2 AMBULATORY ACCESSIBLE TOILET COMPARTMENT

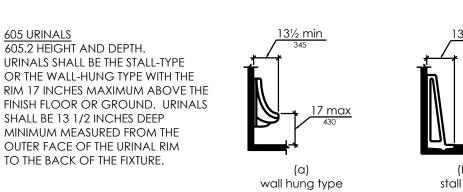
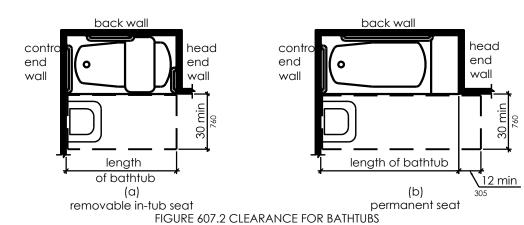


FIGURE 605.2 HEIGHT AND DEPTH OF URINALS

607.2 CLEARANCE. CLEARANCE IN FRONT OF BATHTUBS SHALL EXTEND THE LENGTH OF THE BATHTUB AND SHALL BE 30 INCHES WIDE MINIMUM. A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED AT THE CONTROL END OF THE CLEARANCE. WHERE A PERMANENT SEAT IS PROVIDED AT THE HEAD END OF THE BATHTUB, THE CLEARANCE SHALL EXTEND 12 INCHES MINIMUM BEYOND THE WALL AT THE HEAD END OF THE BATHTUB.



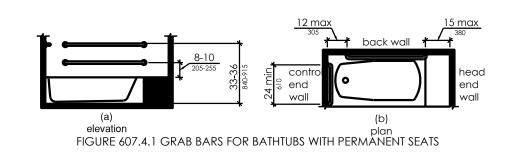
607.3 SEAT. A PERMANENT SEAT AT THE HEAD END OF THE BATHTUB OR A REMOVABLE IN-TUB SEAT SHALL BE PROVIDED. SEATS SHALL COMPLY WITH 610. 607.4 GRAB BARS. GRAB BARS FOR BATHTUBS SHALL COMPLY WITH 609 AND SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1 OR 607.4.2.

EXCEPTIONS: 1. GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN A BATHTUB LOCATED IN A BATHING FACILITY FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH 607A. 2. IN RESIDENTIAL DWELLING UNITS, GRAB BARS SHALL NOT BE REQUIRED TO BE INSTALLED IN BATHTUBS LOCATED IN BATHING FACILITIES PROVIDED THAT REINFORCEMENT HAS BEEN INSTALLED IN WALLS AND LOCATED SO AS TO PERMIT THE INSTALLATION OF GRAB BARS COMPLYING WITH

607.4.1 BATHTUBS WITH PERMANENT SEATS. FOR BATHTUBS WITH PERMANENT SEATS, GRAB BARS SHALL BE PROVIDED IN ACCORDANCE WITH 607.4.1. 607.4.1.1 BACK WALL. TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE

LOCATED IN ACCORDANCE WITH 609.4 AND THE OTHER LOCATED 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE INSTALLED 15 INCHES MAXIMUM FROM THE HEAD END WALL AND 12 INCHES MAXIMUM FROM THE CONTROL END WALL. 607.4.1.2 CONTROL END WAIL. A GRAB BAR 24 INCHES LONG MINIMUM SHALL BE

INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.



607.4.2 BATHTUBS WITHOUT PERMANENT SEATS. FOR BATHTUBS WITHOUT PERMANENT SEATS, GRAB BARS SHALL COMPLY WITH 607.4.2.

607.4.2.1 BACK WALL, TWO GRAB BARS SHALL BE INSTALLED ON THE BACK WALL, ONE LOCATED IN ACCORDANCE WITH 609.4 AND OTHER LOCATED 8 INCHES MINIMUM AND 10 INCHES MAXIMUM ABOVE THE RIM OF THE BATHTUB. EACH GRAB BAR SHALL BE 24 INCHES LONG MINIMUM AND SHALL BE INSTALLED 24 INCHES MAXIMUM FROM THE HEAD END WALL AND 12 INCHES MAXIMUM FROM THE CONTROL END WALL. 607.4.2.2 CONTROL END WALL. A GRAB BAR 24 INCHES LONG MINIMUM SHALL BE INSTALLED ON THE CONTROL END WALL AT THE FRONT EDGE OF THE BATHTUB.

FIGURE 607.4.2 GRAB BARS FOR BATHTUBS WITH REMOVABLE IN-TUB SEATS

FIGURE 607.5 BATHTUB CONTROL LOCATION

FIGURE 608.2.1 TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

FIGURE 608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

FIGURE 608.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

608.3.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. WHERE A SEAT IS PROVIDED IN

BACK WALL AND THE SIDE WALL OPPOSITE THE SEAT. GRAB BARS SHALL NOT BE PROVIDED

COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THREE WALLS. GRAB BARS SHALL BE

FIGURE 608.3.2 GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS

608.3.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. IN ALTERNATE ROLL-IN TYPE

SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE

SIDE WALL FARTHEST FROM THE COMPARTMENT ENTRY. GRAB BARS SHALL NOT BE PROVIDED

ABOVE THE SEAT. GRAB BARS SHALL BE INSTALLED 6 INCHES MAXIMUM FROM ADJACENT

FIGURE 608.3.3 GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

ABOVE THE SEAT. WHERE A SEAT IS NOT PROVIDED IN STANDARD ROLL-IN TYPE SHOWER

STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE

back wal

Note: inside finished dimensions measured at the center points

back wal

with seat

THE HEAD END WALL AT THE FRONT EDGE OF THE BATHTUB.

607.5 CONTROLS, CONTROLS, OTHER

THAN DRAIN STOPPERS, SHALL BE

CONTROLS SHALL BE BETWEEN THE

BATHTUB RIM AND GRAB BAR, AND

BETWEEN THE OPEN SIDE OF THE

BATHTUB AND THE CENTERLINE OF

608.2 SIZE AND CLEARANCES FOR

SHOWER COMPARTMENTS SHALL HAVE SIZES

AND CLEARANCES COMPLYING WITH 608.2.

BE 36 INCHES BY 36 INCHES CLEAR INSIDE

OF OPPOSING SIDES AND SHALL HAVE A 36 INCH WIDE MINIMUM ENTRY ON THE FACE

608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS.

DIMENSIONS MEASURED AT THE CENTER POINTS Wall

608.2.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS.

STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS SHALL

BE 30 INCHES WIDE MINIMUM BY 60 INCHES DEEP MINIMUM

CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS

OF OPPOSING SIDES AND SHALL HAVE A 60 INCHES WIDE

MINIMUM ENTRY ON THE FACE OF THE SHOWER

CLEARANCE SHALL BE PROVIDED ADJACENT

EXCEPTION: A LAVATORY COMPLYING

ONE 30 INCH WIDE MINIMUM SIDE OF

THE CLEARANCE PROVIDED THAT IT IS

NOT ON THE SIDE OF THE CLEARANCE

WHERE PROVIDED, NOT ON THE SIDE

OF THE CLEARANCE ADJACENT TO THE

608.2.3 AITERNATE ROII-IN TYPE SHOWER COMPARTMENTS.

ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS

MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT

WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE

INSTALLED 6 INCHES MAXIMUM FROM ADJACENT WALLS.

CENTER POINTS OF OPPOSING SIDES. A 36 INCH

END OF THE LONG SIDE OF THE COMPARTMENT.

SHALL BE 36 INCHES WIDE AND 60 INCHES DEEP

ADJACENT TO THE CONTROLS OR,

WITH 606 SHALL BE PERMITTED ON

608.2.2.1 CLEARANCE. A 30 INCH WIDE

MINIMUM BY 60 INCH LONG MINIMUM

TO THE OPEN FACE OF THE SHOWER

COMPARTMENT.

COMPARTMENT.

SHOWER SEAT

TRANSFER TYPE SHOWER COMPARTMENTS SHALL

OF THE SHOWER COMPARTMENT. CLEARANCE

OF 36 INCHES WIDE MINIMUM BY 48 INCHES

LONG MINIMUM MEASURED FROM THE

CONTROL WALL SHALL BE PROVIDED.

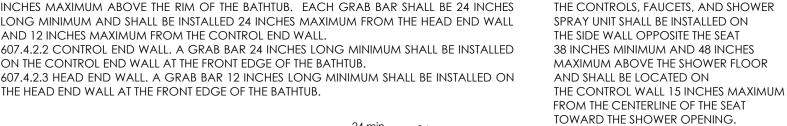
LOCATED ON AN END WALL.

THE WIDTH OF THE BATHTUB.

CONTROLS SHALL COMPLY

SHOWER COMPARTMENTS.

WITH 309.4.



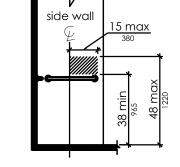


FIGURE 608.5.1 TRANSFER TYPE SHOWER COMPARTMENT CONTROL LOCATION

608.5 CONTROLS. CONTROLS, FAUCETS, AND

IN TRANSFER TYPE SHOWER COMPARTMENTS,

SHOWER SPRAY UNITS SHALL COMPLY WITH 309.4.

608.5.1 TRANSFER TYPE SHOWER COMPARTMENTS.

608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE BACK WALL ADJACENT TO THE SEAT WALL AND SHALL BE LOCATED 27 INCHES MAXIMUM FROM THE SEAT WALL.

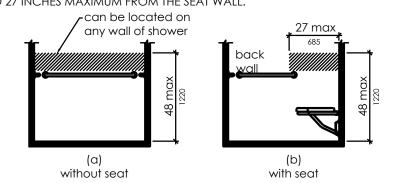


FIGURE 608.5.2 STANARD ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

608.5.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS. IN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ON THE SIDE WALL ADJACENT TO THE SEAT 27 INCHES MAXIMUM FROM THE SIDE WALL BEHIND THE SEAT OR SHALL BE LOCATED ON THE BACK WALL OPPOSITE THE SEAT 15 INCHES MAXIMUM, LEFT OR RIGHT, OF THE CENTERLINE OF THE SEAT. WHERE A SEAT IS NOT PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE INSTALLED ON THE SIDE WALL FARTHEST FROM THE COMPARTMENT ENTRY

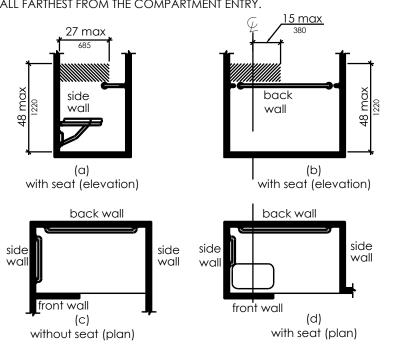
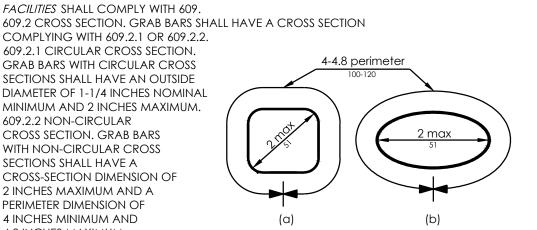


FIGURE 608.5.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT CONTROL LOCATION

609.1 GENERAL. GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609.

COMPLYING WITH 609.2.1 OR 609.2.2. 609.2.1 CIRCULAR CROSS SECTION. GRAB BARS WITH CIRCULAR CROSS SECTIONS SHALL HAVE AN OUTSIDE DIAMETER OF 1-1/4 INCHES NOMINAL MINIMUM AND 2 INCHES MAXIMUM. 609.2.2 NON-CIRCULAR CROSS SECTION, GRAB BARS WITH NON-CIRCULAR CROSS SECTIONS SHALL HAVE A **CROSS-SECTION DIMENSION OF** 2 INCHES MAXIMUM AND A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND



4.8 INCHES MAXIMUM. FIGURE 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION

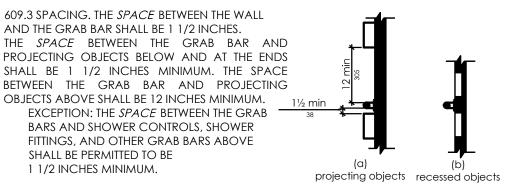


FIGURE 609.3 SPACING OF GRAB BARS

609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE, EXCEPT THAT AT WATER CLOSETS FOR CHILDREN'S USE COMPLYING WITH 604.9, GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION 18 INCHES MINIMUM AND 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE TOP OF THE GRIPPING SURFACE. THE HEIGHT OF THE LOWER GRAB BAR ON THE BACK WALL OF A BATHTUB SHALL COMPLY WITH 607.4.1.1 OR 607.4.2.1.

610.2 BATHTUB SEATS, THE TOP OF BATHTUB SEATS SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE BATHROOM FINISH FLOOR. THE DEPTH OF A REMOVABLE IN-TUB SEAT SHALL BE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM. THE SEAT SHALL BE CAPABLE OF SECURE PLACEMENT. PERMANENT SEATS AT THE HEAD END OF THE BATHTUB SHALL BE 15 INCHES DEEP MINIMUM AND SHALL EXTEND FROM THE BACK WALL TO OR BEYOND THE OUTER EDGE OF THE BATHTUB.

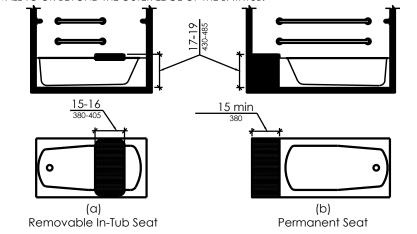
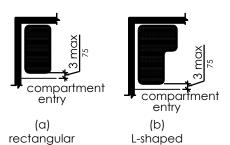


FIGURE 610.2 BATHTUB SEATS

610.3 SHOWER COMPARTMENT SEATS. WHERE A SEAT IS PROVIDED IN A STANDARD ROLL-IN SHOWER COMPARTMENT, IT SHALL BE A FOLDING TYPE, SHALL BE INSTALLED ON THE SIDE WALL ADJACENT TO THE CONTROLS, AND SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. WHERE A SEAT IS PROVIDED IN AN ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT, IT SHALL BE A FOLDING TYPE, SHALL BE

INSTALLED ON THE FRONT WALL OPPOSITE THE BACK WALL, AND SHALL EXTEND FROM THE ADJACENT SIDE WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. IN TRANSFER-TYPE SHOWERS, THE SEAT SHALL EXTEND FROM THE BACK WALL TO A POINT WITHIN 3 INCHES OF THE COMPARTMENT ENTRY. THE TOP OF THE SEAT SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM ABOVE THE

BATHROOM FINISH FLOOR. SEATS SHALL



COMPLY WITH 610.3.1 OR 610.3.2. FIGURE 610.3 EXTENT OF SEATS

610.3.1 RECTANGULAR SEATS. THE REAR EDGE OF A RECTANGULAR SEAT SHALL BE 2 1/2 INCHES MAXIMUM AND THE FRONT EDGE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM FROM THE SEAT WALL. THE SIDE EDGE OF THE SEAT SHALL BE 1 1/2 INCHES MAXIMUM FROM THE ADJACENT WALL.

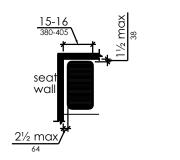


FIGURE 610.3.1 RECTANGULAR SHOWER SEAT

610.3.2 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 1/2 INCHES MAXIMUM AND THE FRONT EDGE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM FROM THE SEAT WALL. THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 1/2 INCHES MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES MINIMUM AND 15 INCHES MAXIMUM FROM THE WALL. THE END OF THE "L" SHALL BE 22 INCHES MINIMUM AND 23 INCHES MAXIMUM FROM THE MAIN SEAT WALL.

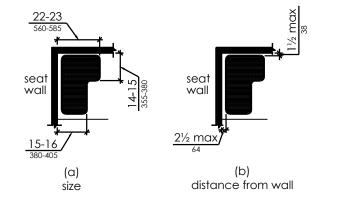
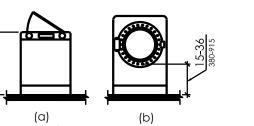


FIGURE 610.3.2 L-SHAPED SHOWER SEAT

611.2 CLEAR FLOOR SPACE. A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR PARALLEL APPROACH SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL BE CENTERED ON THE APPLIANCE. 611.3 OPERABLE PARTS. OPERABLE PARTS, INCLUDING DOORS, LINT SCREENS, AND DETERGENT AND BLEACH COMPARTMENTS SHALL COMPLY WITH 309. 611.4 HEIGHT. TOP LOADING MACHINES SHALL HAVE THE DOOR TO THE LAUNDRY COMPARTMENT LOCATED 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. FRONT LOADING MACHINES SHALL HAVE THE BOTTOM OF THE OPENING TO THE LAUNDRY COMPARTMENT LOCATED 15 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR.



top loading front loading FIGURE 611.4 HEIGHT OF LAUNDRY COMPARTMENT OPENING

03.1 GENERAL. SIGNS SHALL COMPLY WITH 703. WHERE BOTH VISUAL AND TACTILE CHARACTERS ARE REQUIRED, EITHER ONE SIGN WITH BOTH VISUAL AND TACTILE CHARACTERS, OR TWO SEPARATE SIGNS, ONE WITH VISUAL, AND ONE WITH TACTILE CHARACTERS, SHALL BE PROVIDED. 703.2 RAISED CHARACTERS. RAISED CHARACTERS SHALL COMPLY WITH 703.2 AND SHALL BE DUPLICATED IN BRAILLE COMPLYING WITH 703.3. RAISED CHARACTERS SHALL BE INSTALLED

IN ACCORDANCE WITH 703.4. 703.2.1 DEPTH. RAISED CHARACTERS SHALL BE 1/32 INCH (0.8 MM) MINIMUM ABOVE THEIR **BACKGROUND** 703.2.2 CASE. CHARACTERS SHALL BE UPPERCASE.

703.2.3 STYLE. CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS. 703.2.4 CHARACTER PROPORTIONS. CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". 703.2.5 CHARACTER HEIGHT. CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8 INCH (16 MM) MINIMUM AND 2 INCHES (51 MM) MAXIMUM

BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".

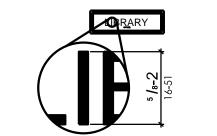


FIGURE 703.2.5 HEIGHT OF RAISED CHARACTERS

703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH 703.3 703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS **EXCEPTION: BRAILLE PROVIDED ON ELEVATOR** CAR CONTROLS SHALL BE SEPARATED 3/16 INCH MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

FIGURE 703.3.2 POSITION OF BRAILLE

703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.

EXCEPTION: TACTILE CHARACTERS FOR ELEVATOR CAR CONTROLS SHALL NOT BE REQUIRED TO COMPLY WITH 703.4.1.

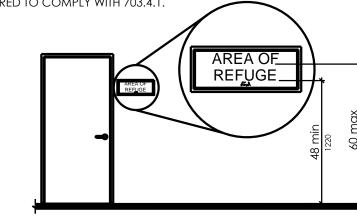


FIGURE 703.4.1 HEIGHT OF TACTILE CHARACTERS ABOVE FLOOR OR GROUND

703.4.2 LOCATION. WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18 INCHES MINIMUM BY 18 INCHES MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE

EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

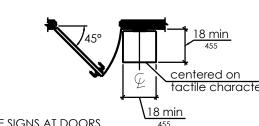


FIGURE 703.4.2 LOCATION OF TACTILE SIGNS AT DOORS

703.6.1 PICTOGRAM FIELD. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE *PICTOGRAM* FIELD.

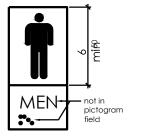


FIGURE 703.6 PICTOGRAM FIELD

703.7 SYMBOLS OF ACCESSIBILITY. SYMBOLS OF ACCESSIBILITY SHALL COMPLY WITH 703.7. 703.7.1 FINISH AND CONTRAST. SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK

BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 703.7.2 SYMBOLS. 703 7 2 1 INTERNATIONAL SYMBOL OF ACCESSIBILITY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 703.7.2.1.



FIGURE 703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILTY

704.2 WHEELCHAIR ACCESSIBLE TELEPHONES. WHEELCHAIR ACCESSIBLE TELEPHONES SHALL COMPLY WITH 704.2. 704.2.1 CLEAR FLOOR OR GROUND SPACE, A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 SHALL BE PROVIDED. THE CLEAR FLOOR OR GROUND SPACE SHALL NOT BE OBSTRUCTED BY BASES, ENCLOSURES, OR SEATS.

704.2.1.1 PARALLEL APPROACH, WHERE A PARALLEL APPROACH IS PROVIDED, THE DISTANCE FROM THE EDGE OF THE TELEPHONE ENCLOSURE TO THE FACE OF THE TELEPHONE UNIT SHALL BE 10 INCHES MAXIMUM.

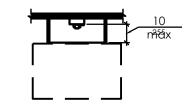
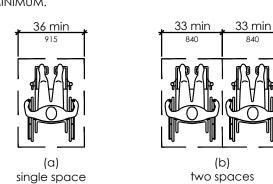


FIGURE 704.2.1.1 PARALLEL APPROACH TO TELEPHONE

802 WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS 802.1 WHEELCHAIR SPACES. WHEELCHAIR SPACES SHALL COMPLY WITH 802. 802.1.1 FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF WHEELCHAIR SPACES SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED. EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

802.1.2 WIDTH. A SINGLE WHEELCHAIR SPACE SHALL BE 36 INCHES WIDE MINIMUM WHERE TWO ADJACENT WHEELCHAIR SPACES ARE PROVIDED, EACH WHEELCHAIR SPACE SHALL BE 33 INCHES WIDE MINIMUM.



802.1.3 DEPTH. WHERE A WHEELCHAIR SPACE CAN BE ENTERED FROM THE FRONT OR REAR, THE WHEELCHAIR SPACE SHALL BE 48 INCHES DEEP MINIMUM. WHERE A WHEELCHAIR SPACE CAN BE ENTERED ONLY FROM THE SIDE, THE WHEELCHAIR SPACE SHALL BE 60 INCHES DEEP MINIMUM.

FIGURE 802.1.2 WIDTH OF WHEELCHAIR SPACES

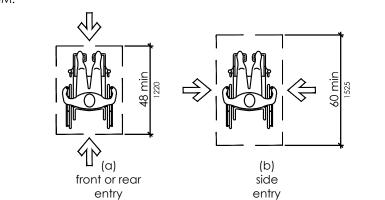


FIGURE 802.1.3 DEPTH OF WHEELCHAIR SPACES IN ASSEMBLY AREAS

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