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# GENERAL NOTES

### GENERAL CONDITIONS

- THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. DISCREPANCIES SHALL IMMEDIATELY BE REPORTED TO THE ARCHITECT.
- 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 TH 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.
- 14. ALL ITEMS TO BE INSTALLED BY G.C. SHALL REQUIRE UNLOADING AND ASSEMBLY IF NECESSARY.
- 15. GENERAL CONTRACTOR IS RESPONSIBLE FOR UNLOADING, ACCEPTING AND CHECKING EQUIPMENT FOR ALL OWNER-SUPPLIED ITEMS.
- 16. 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.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE CONTRACT DOCUMENTS.
- 9. THE OWNER SHALL BE NOTIFIED OF ANY UNFORSEEN CONDITIONS WHICH MAY AFFECT PROGRESS OR COST OF WORK PERFORMED.
- 20. 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 CONTRACTOR.
- 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 WELDING/CUTTING.
- 22. 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.

FIREBLOCKING AND DRAFTSTOPPING 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 OF THE WALL.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL 2.b. SPACES SUCH AS THOSE THAT OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
- IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE 2.c. 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 2.d. OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.

# DICKERSON DESIGN BUILD CARESPOT URGENT CARE **GRAPHIC LEGEND**

# TENANT IMPROVEMENTS 1615 E. STATE HWY. 50, STE. 200, LAKE COUNTY, FL 34711

# CODE SUMMARY

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

FLORIDA BUILDING CODE ACCESSIBILITY 6TH EDITION (2017)

NFPA 101: LIFE SAFETY CODE FLORIDA 2017 EDITION

NFPA 70: NATIONAL ELECTRICAL CODE 2014 EDITION

MECHANICAL CODE (2017) FUEL GAS CODE (2017)

FLORIDA ENERGY CODE (2017)

PLUMBING CODE (2017)

FLORIDA FIRE PREVENTION CODE 6TH EDITION (2017) NFPA 1 UNIFORM FIRE CODE (2015) w/ FLORIDA AMENDMENTS FLORIDA STATUTES

FLORIDA ADMINISTRATIVE CODE

INTERIOR FINISH OUT OF AN EXISTING ONE STORY SHELL BUILDING. THI PROPOSED USE IS A BUSINESS OCCUPANCY.

<u>ID #:</u>	09-22-26-130501800001
ZONE:	C-2, GENERAL COMMERCIAL
OCCUPANCY:	GROUP B - BUSINESS
CONSTRUCTION:	TYPE VB - UNSPRINKLERED
TENANT AREA:	3,204 GSF

OCCUPANCY LOAD (PER FBC TABLE 1004.1.2): 32

MINIMUM EGRESS WIDTH (PER FBC SECTION 1005) REQUIRED EGRESS WIDTH = 32 x 0.2" = 6.4" PROVIDED EGRESS WIDTH = 68"

MINIMUM EXITS REQUIRED (PER FBC SECTION 1006) REQUIRED = 1

PROVIDED = 2

MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE (FBC TABLE (OCCUPANT LOAD GREATER THAN 30; WITHOUT SPRINKLER SYST COMMON PATH OF EGRESS TRAVEL NOT TO EXCEED 75'

MAXIMUM TRAVEL DISTANCE (PER FBC TABLE 1017.2) EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 200'

FIRE ALARM:	NONE
SPRINKLER:	NONE

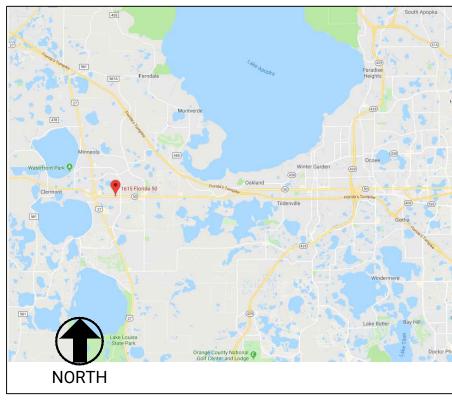
WALL, FLOOR AND CEILING FINISHES SHALL COMPLY WITH NFPA 101 SE 10.2

ARCHITECT'S STATEMENT OF FACT

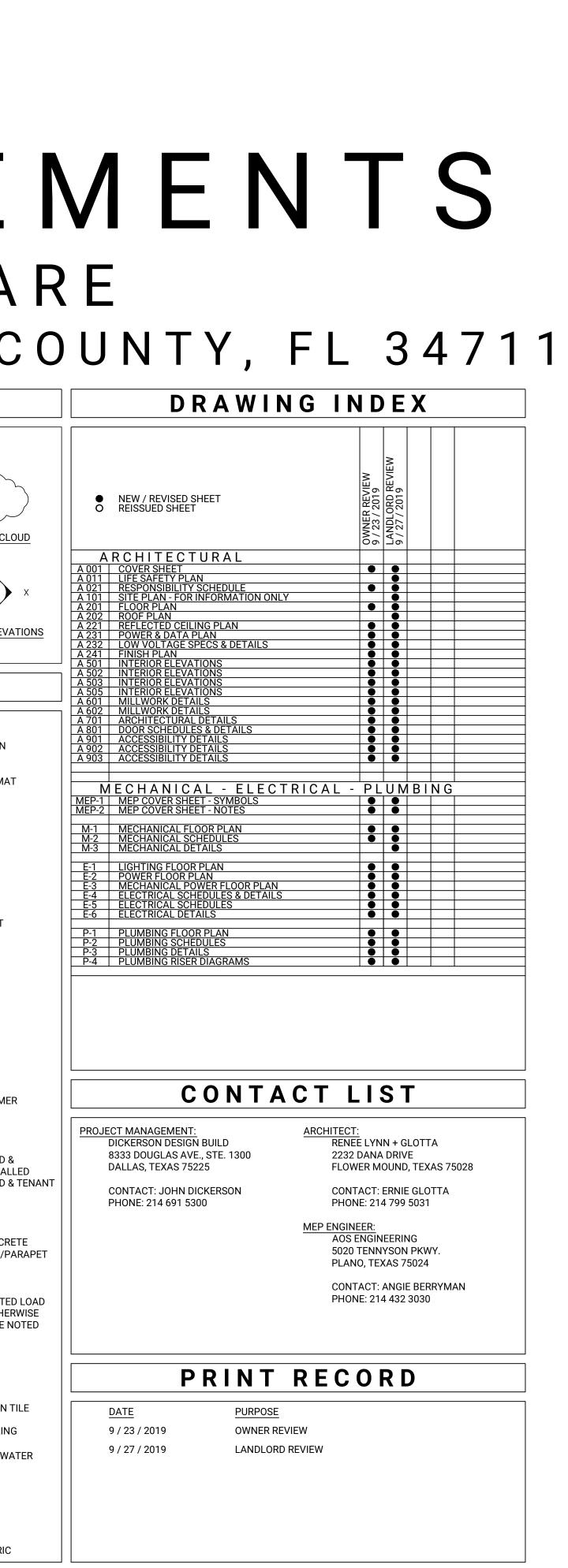
PLANS CONFORM TO THE 6TH EDITION (2017) FBC.

BY SIGNING AND SEALING THIS DRAWING, THE ARCHITECT ACKNOWLEI TO THE BEST OF HIS/HER KNOWLEDGE, THESE DRAWINGS AND THE PR WORK COMPLY WITH THE MINIMUM APPLICABLE BUILDING CODES AND SAFETY REGULATIONS AS DETERMINED BY THE LOCAL AUTHORITY HAV JURISDICTION.

# PROJECT LOCATIO



				1/44		TION						
	<u>ELEVATIC</u>	N BUILDING SECTION	WA	LL SECTION	DETAIL SEC	TION		NORTH ARROWS				
	NAME	€ 21'-0" A.F.F. T.O. CMU WALL	•	W01	$\begin{pmatrix} 1 \end{pmatrix}$		A	XX1	× •ו			
	ROOM NA	ME ELEVATION REFERENCE	<u>11W</u>	IDOW TYPE	DOOR NUM	BER	PARTITION TYPE	KEYED NOTE	INTERIOR ELEVA			
				ABB	REVI	ΑΤΙ	O N S					
	@ © \$ & A, AMP.	AT CENTERLINE DIAMETER OR ROUND AND AMPERE	E. EA. E.B. E.I.F.S.	EAST EACH EXPANSION BOLT EXTERIOR INSULATIO SYSTEM	ON FINISH	I.D. IE. I.G. IN. INSUL.	INSIDE DIAMETER INVERT ELEVATION ISOLATED GROUND INCH INSULATION	R. RA. RD. REINF. REQ'D. R.F.M.	RADIUS RETURN AIR ROUND, ROOF DRAIN REINFORCEMENT REQUIRED RECESSED FLOOR MAT			
	A.B. ABV. A/C ACT ADA A.F.F.	ANCHOR BOLT ABOVE AIR CONDITIONING ACOUSTICAL TILE AMERICANS W/ DISABILITIES ACT ABOVE FINISH FLOOR	E.J. EL. ELEC. E.P. EST. EQ.	EXPANSION JOINT ELEVATION ELECTRIC ELECTRICAL PANELE ESTIMATE EQUAL EQUIPMENT	OARD	INT. INV. JAN. JT. KIT.	INTERIOR AND INTERCOM INVERT JANITOR JOINT AND JOINT TRENCH KITCHEN	RM. R.O. S. S.A. S.B.	ROOM ROUGH OPENING SOUTH AND SLOPE SUPPLY AIR SPLASH BLOCK SOLID CORE			
2.1)	A.H.J. AL. ALUM. ALT. APPROX. ARCH. AUTO. AW.	AUTHORITY HAVING JURISDICTION AREA LIGHTING ALUMINUM ALTERNATIVE APPROXIMATE ARCHITECT, ARCHITECTURAL AUTOMATIC ACOUSTICAL WALL	EQP. E.T.S. E.W. E.W.C. EXH. EXP. EXT.	EQUIPMENT EXPOSED TO STRUC EACH WAY ELECTRIC WATER CO EXHAUST EXPANSION EXTERIOR		K.O. LAM. LAV. LBS. L.F.	KNOCKOUT LAMINATE LAVATORY POUNDS LINEAR FEET	S.C. SCHED. S.D. SEAL. SECT. S.F. SHT. SHTG.	SOLID CORE SCHEDULE SMOKE DETECTOR SEALANT SECTION SQUARE FOOT/FEET SHEET SHEETING			
	BRD. BLDG. BLK. BM. B.O. B.O.F.	BOARD BUILDING BLOCK BEAM BOTTOM OF BOTTOM OF FRAMING	F.A. F.C. F.D. FDN. F.E. F.E.C. F.F.E.	FIRE ALARM FURRING CHANNEL FLOOR DRAIN FOUNDATION FIRE EXTINGUISHER FIRE EXTINGUISHER FINISH FLOOR ELEVA		L.P. LS MAS'Y MAX. MDF MECH. MTL.	LOW POINT LANDSCAPING MASONRY MAXIMUM MEDIUM DENSITY FIBERBOAR MECHANICAL METAL	SIM. S.J. SPECS. D SQ. S.S. SS.	SINCLING SINCLING SAW CUT JOINT SLAB OPENING SPECIFICATIONS SQUARE STAINLESS STEEL SANITARY SEWER			
N	B.O.C. BOT. BRG. BSMT. BTWN. B.U. B.U. B.U.R.	BASE OF CURB BOTTOM BEARING BASEMENT BETWEEN BUILT-UP BUILT-UP ROOF	F.F.L. F.H.C. FIN. FLG. FLR. F.O. F.O.C.	FINISH FLOOR LINE FIRE HOSE CABINET FINISH (ED) FLASHING FLOOR (ING) FACE OF FACE OF	CRETE	MFR. M.H. MIN. MIR. MISC. M.O. MTD.	MANUFACTURER MANHOLE MINIMUM MIRROR MISCELLANEOUS MASONRY OPENING MOUNTED	STD. STL. STRUC. SUSP. T. T&B	STANDARD STEEL STRUCTURAL SUSPENDED TREAD, TRANSFORMEF TOP & BOTTOM			
THAT ED	C. CAB. C.B. C.C. CEM. CFM. CFL.	CONDUIT OR CELCIUS CABINET CATCH BASIN CENTER TO CENTER CEMENT CUBIC FEET PER MINUTE COUNTER FLASHING	F.O.F. F.O.M. F.O.S. FRP. FT. FTG. FURR.	FACE OF FINISH FACE OF MASONRY FACE OF STUDS FIBER REINFORCED F FOOT OR FEET FOOTING FURRING	PANEL	MATL. MWK. N.I.C. NO. OR # NOM. N.T.S.	MATERIAL (S) MILLWORK NORTH NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE	T&G TBL. TELE. T.F.C.I. T.F.T.I. THK.	TONGUE & GROOVE TABLE TELEPHONE TENANT FURNISHED & CONTRACTOR INSTALL TENANT FURNISHED & INSTALLED THICKNESS			
Forest Liny	C.G. CHT. C.I.P. C.J. CL. CLG.	CORNER GUARD CEILING HEIGHT CAST IN PLACE CONTROL JOINT COLUMN MOUNT CEILING	G. GA. GAL. GALV. G.B. G.C.	GROUND AND NATU GAUGE GALLON GALVANIZED GRAB BAR GENERAL CONTRAC	ŌR	0.C. 0.D. 0.F.C.I. 0.F.O.I.	ON CENTER (S) OUTSIDE DIAMETER OWNER FURNISHED & CONTRACTOR INSTALLED OWNER FURNISHED &	THRES. T.O. T.O.C. T.O.P. T.S. TYP.	THRESHOLD TOP OF TOP OF CURB/CONCRE TOP OF PAVEMENT/PA TUBE STEEL TYPICAL			
Lockhart	CLR. C.M. CMU. C.O. COL. CONC.	CLEAR CONSTRUCTION MANAGER CONCRETE MASONRY UNIT CLEAN-OUT COLUMN CONCRETE	G.F.I. G.I. G.L.B. GND. G.S.F.	GROUND FAULT CIRC INTERRUPTER GALVANIZED IRON (S GLUE-LAM BEAM GROUND GROSS SQUARE FOO	STEEL)	0/H 0PG 0.P.H. 0PP. 0.S.A.	OWNER INSTALLED OVERHEAD OPENING OPPOSITE HAND OPPOSITE OUTSIDE AIR	U.D.L. U.N.O. U.O.N. V.	UNIFORM DISTRIBUTED UNLESS NOTED OTHER UNLESS OTHERWISE N VOLTS AND VENT			
Pine Hills ©	CONT. CONTR. CONSTR. COOR. CORR. C.T.	CONTINUOUS CONTRACTOR CONSTRUCTION COORDINATE CORRIDOR CERAMIC TILE	GYP. BRD. H.B. H.C. H.D. H.M. HORIZ.	GYPSUM BOARD HOSE BIBB HANDICAPPED HIGH DENSITY HOLLOW METAL HORIZONTAL		O.S.B. P/L. PEMB PER. PL.	ORIENTED STRAND BOARD PROPERTY LINE PRE-ENGINEERED METAL BUIL PERIMETER PLATE	V.C.T. VTR.	VENTILATION VERTICAL VESTIBULE VERIFY IN FIELD VINYL COMPOSITION T VENT THRU ROOF			
The Holy Land Experience	DBL. DED. DET. D.F. DIA. DIM.	DOUBLE DEDICATED DETAIL DRINKING FOUNTAIN DIAMETER DIMENSION	HURIZ. H.P. HR. HT. HVAC	HIGH POINT AND HO HOUR HEIGHT HEATING VENTILATI CONDITIONING		P.LAM. PLUMB. PLYWD. PNL. PR PREFIN. P.S.F.	PLASTIC LAMINATE PLUMBING PLYWOOD PANEL PAIR PREFINISHED POUNDS PER SQUARE FOOT	V.W.C. W. W/ W/O WD. W.GL.	VINYL WALL COVERING WEST, WATTS AND WA WITH WITHOUT WOOD WIRE GLASS			
Tangelo Park	DN. D.S. DSB DWG.	DOWN DOWNSPOUT DOUBLE STRENGTH DRAWING				P.S.I. PVC. PVMT.	POUNDS PER SQUARE INCH POLYVINYL CHLORIDE PAVEMENT	W.H. WP. W.P. W.W.F.	WATER HEATER WATERPROOF WORK POINT WELDED WIRE FABRIC			





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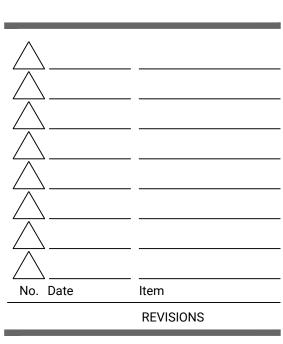
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1923 - A 001 TITLE SHEET.DWG





1923 Project No. Date 9 / 27 / 2019 Last Revision

UL DESIGN NO. UA SCALE + N.T.S. NON-BEARING WALL RATING-IHR.	65	
	F	CODE SUMMA SECTION 303 - ASSEMBLY GROUP A
		303.1.2 SMALL ASSEMBLY SPACES. The following rooms and spaces shall not be classified as assembly 1. A room or space used for assembly purposes with an occu accessory to another occupancy shall be classified as a Group B occ 2. A room or space used for assembly purposes that is less th
1. <b>FLOOR AND CEILING RUNNERS</b> CHANNEL SHAPED RUNNERS, 3-5/8 IN FROM MIN NO. 25 MSG (MIN NO. 20 MSG WHEN ITEM 4C IS USED) GALV S WITH FASTENERS SPACED 24 IN. OC MAX.		another occupancy shall be classified as a Group B occupancy or as SECTION 304 - USE AND OCCUPANCY CLASSIFICATION
2. <b>STEEL STUDS</b> CHANNEL SHAPED, 3-5/8 IN. WIDE (MIN), 1-1/4 IN. LEC FORMED FROM MIN NO. 25 MSG (MIN NO. 20 MSG WHEN ITEM 4C IS USED)	S, 3/8 IN. FOLDED BACK RETURNS, GALV STEEL SPACED 24 IN. OC MAX.	BUSINESS GROUP B - CLINIC, OUTPATIENT TABLE 508.4 - REQUIRED SEPARATION OF OCCUPANCIES
3. <b>BATTS AND BLANKETS</b> * (OPTIONAL) MINERAL WOOL OR GI FILLING STUD CAVITY. SEE BATTS AND BLANKETS (BZJZ) CATEGORY FOR	NAMES OF CLASSIFIED COMPANIES.	<ul> <li>In buildings not equipped throughout with an automatic sprinkler system,</li> <li>Between Occupancy M (adjacent tenants) and Occupancies B (this p DEMISING WALL FIRE-RESTANCE RATING = 1 HOUR.</li> <li>No separation requirement between Occupancies B, F-1, M, S-1.</li> <li>Per exception d, separation is not required between occupancies of t</li> </ul>
3A. FIBER, SPRAYED * AS AN ALTERNATE TO BATTS AND BLANKETS INSULATION MATERIAL. THE FIBER IS APPLIED WITH WATER TO COMPLETE ACCORDANCE WITH THE APPLICATION INSTRUCTIONS SUPPLIED WITH THE F LB/FT3. U S GREENFIBER L L C COCOON STABILIZED CELLULOSE INSULA	Y FILL THE ENCLOSED CAVITY IN RODUCT. NOMINAL DRY DENSITY OF 3.0	TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING EL         In construction type V-B UNSPRINKLERED, the fire-resistance rating for all
4. GYPSUM BOARD * 5/8 IN. THICK, 4 FT WIDE, ATTACHED TO STEEL WITH I IN. LONG, TYPE S STEEL SCREWS SPACED 8 IN. OC. ALONG EDGE THE BOARD. JOINTS ORIENTED VERTICALLY AND STAGGERED ON OPPOSITI ATTACHED TO ITEM 6 (RESILIENT CHANNELS) OR 6A (FURRING CHANNELS)	STUDS AND FLOOR AND CEILING TRACK 5 OF BOARD AND 12 IN. OC IN THE FIELD OF 5 SIDES OF THE ASSEMBLY. WHEN	TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPAAccessory storage areas, mechanical equipment room= 300 grossBusiness areas= 100 grossTOTAL OCCUPANT LOAD = 32
AMERICAN GYPSUM CO BEIJING NEW BUILDING MATERIALS CO LTD BPB AMERICA INC	-с	SECTION 1005.3.2 - EGRESS COMPONENTS (NON-STAIRWAYS) OCCUPANT LOAD x 0.2" = 32 x 0.2" = 6.4" 6.4" REQUIRED / 68" PROVIDED (refer to plan)
BPB CELOTEXTYPE ICANADIAN GYPSUM COMPANYTYPES AR, C, IP-	AR, IP-X2, IPC-AR, SCX, SHX, WRC OR WRX.	TABLE 1006.2.1 - SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY
G-P GYPSUM CORP, SUB OF GEORGIA-PACIFIC CORP TYPES 5, 9, C, D		MAXIMUM OCCUPANT LOAD IN GROUP B OCCUPANCIES WITH ONE EXI MAXIMUM OCCUPANT LOAD OF SPACES = 32
	FIRE X. C2A, LGFC6, LGFC6A, LGFC-C, LGFC-C/A. K-G, FSW-C, FSW-G, FSW .	FOR GROUP B OCCUPANCIES WITH OCCUPANT LOAD GREATER THAN A SPRINKLER SYSTEM, COMMON PATH OF EGRESS TRAVEL SHALL N MAXIMUM 20'-6"
PABCO GYPSUM, DIV OF PACIFIC COAST BUILDING PRODUCTS INE- TYPE PG-C. SIAM GYPSUM INDUSTRY CO LTD TYPE EX-1		TABLE 1017.2 - EXIT ACCESS TRAVEL DISTANCE FOR GROUP B OCCUPANCY NOT EQUIPPED THROUGHOUT WITH A SPRII
	G, IP-AR, IP-X2, IPC-AR, SCX, SHX,	DISTANCE SHALL NOT EXCEED 200' MAXIMUM 81'-0"
USG MEXICO S A DE C V TYPE AR, C, IP-A WESTROC INC TYPE WESTROC FI	R, IP-X2, IPC-AR, SCX, SHX, WRC OR WRX. -ROK.	
4A. GYPSUM BOARD * (AS AN ALTERNATE TO ITEM 4) NOM 3/4 IN DESCRIBED IN ITEM 4 WITH SCREW LENGTH INCREASED TO 1-1/4 IN.	. THICK, 4 FT WIDE, INSTALLED AS	
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. <b>GYPSUM BOARD</b> * (AS AN ALTERNATE TO ITEM 4, 4A AND 4B) INSTALLED AS DESCRIBED IN ITEM 4 WITH TYPE S-12 STEEL SCREWS. TH 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 COT AND SCREW HEADS; PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER ALTERNATE, NOMINAL 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE CLASSIFIED VENEER BASEBOARD. JOINTS REINFORCED.	OF COMPOUND OVER ALL JOINTS. AS AN	
6. RESILIENT CHANNEL (OPTIONAL-NOT SHOWN) 25 MSG GALV VERTICALLY MAX 24 IN. OC, FLANGE PORTION ATTACHED TO EACH INTERS PANHEAD STEEL SCREWS. NOT FOR USE WITH TYPE FRX GYPSUM PANELS	ECTING STUD WITH 1/2 IN. LONG TYPE S-12	
6A. <b>STEEL FRAMING MEMBERS (NOT SHOWN)</b> * AS AN ALTERNATE RESILIENT SOUND ISOLATION CLIP AS DESCRIBED BELOW:	TO ITEM 3, FURRING CHANNELS AND	
A. FURRING CHANNELS FORMED OF NO. 25 MSG GALV STEEL. 2-3/8 OC PERPENDICULAR TO STUDS. CHANNELS SECURED TO STUDS AS DES		UL DESIGN NO. W-L-1001 SCALE : N.T.S. (FORMERLY SYSTEM NO. 147)
B. <b>STEEL FRAMING MEMBERS</b> * USED TO ATTACH FURRING CHANN SPACED 48 IN. OC., AND SECURED TO STUDS WITH 1-5/8 IN. WAFER O THROUGH THE CENTER GROMMET. FURRING CHANNELS ARE FRICTION FI	R HEX HEAD TYPE S STEEL SCREW	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 1 CFM/SQ FT
PAC INTERNATIONAL TYPE RSIC-1. *BEARING THE UL CLASSIFICATION		
OUTLET BOXES IN FIRE R	ATED WALLS	
A UL CLASSIFIED WALL OPENING PROTECTIVE MATERIAL (COMM "INSERT PADS") SHALL BE USED IN THE FOLLOWING CASES:	ONLY KNOWN AS "PUTTY PADS" OR	
• WHERE BOXES ARE INSTALLED IN FIRE RATED WALLS.		SECTION A-A
WHERE THE OPENINGS IN THE WALL BOARD FACE ARE CUT S     AND THE WALL BOARD EXCEED %		1. WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WA MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURE
<ul> <li>THE HORIZONTAL SEPARATION OF BACK TO BACK OUTLETS</li> <li>THE INDIVIDUAL OUTLET (OR SWITCH) BOXES EXCEED AN AF</li> </ul>		A. <b>STUDS</b> WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATE STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 STEEL STUDS TO BE MIN 3-5/8 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 2
THE ENTIRE SURFACE AREA OF THE BOX EXCEEDS 100 SQUA WALL SURFACE.	RE INCHES IN EVERY 100 SQUARE FEET OF	B. GYPSUM BOARD * NOM 1/2 OR 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERE
		THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 13- 2. PIPE OR CONDUIT NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STE
FIRE EXTINGUISH	IERS	2. PIPE OR CONDUTI NOTITIZ IN. DIATI (OR STALLER) SCHEDDLE 10 (OR HEAVIER) STE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) CLASS NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT, NOM 4 IN. DIAM (OR SMALLER) STEE (OR SMALLER) TYPE L OR (OR HEAVIER) COPPER TUBING OR NOM 1 IN. DIAM (OR SM
INSTALLATION OF FIRE EXTINGUISHERS AND CABINETS SHALL CO NFPA 10: STANDARDS FOR PORTABLE FIRE EXTINGUISHERS.		PIPE IS USED, MAX F RATING OF FIRESTOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES O ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVIT BOTH SIDES OF WALL ASSEMBLY.
REFER TO PLAN FOR LOCATION OF FIRE EXTINGUISHERS AND CAE 'FEC' INDICATES LOCATIONS FIRE EXTINGUISHERS MOUNTE 'FE' INDICATES LOCATIONS OF WALL MOUNTED FIRE EXTIN	D IN CABINET.	3. FILL, VOID OR CAVITY MATERIAL * CAULK CAULK FILL MATERIAL INSTALLED T
PROVIDE ABC DRY CHEMICAL TYPE 3A-40BC, OR EQUIVALENT, LIG		PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4 IN. DIAM BEAD OF C. AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING OF THE WALL IN THE FOLLOWING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPEN CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INST
		MAX PIPE OR ANNULAR SPACE IN. F RATING HR T RATIN CONDUIT DIAM IN. 1 0 to 3/16 1 or 2 0+, 1 or 1 1/4 to 1/2 3 or 4 3 or
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
		+WHEN COPPER PIPE IS USED, T RATING IS 0 H. 3M CO CP 25WB+. *BEARING THE UL CLASSIFICATION MARK

# MMARY

assembly occupancies: an occupant load of less than 50 persons and Group B occupancy or as part of that occupancy. at is less than 750 square feet in area and accessory to ancy or as part of that occupancy.

r system, the required separations shall be: s B (this project) is 0 hours.

, S-1. ancies of the same classification.

ILDING ELEMENTS ating for all building elements is 0 hours.

ROCCUPANT ross

ONE EXIT IS 49

R THAN AND NOT EQUIPPED THROUGHOUT WITH A \_ SHALL NOT EXCEED 75'

TH A SPRINKLER SYSTEM, EXIT ACCESS TRAVEL

MS 2 AND 3) ITEM 3) 1/SQ F GQ FT - 3

ARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE

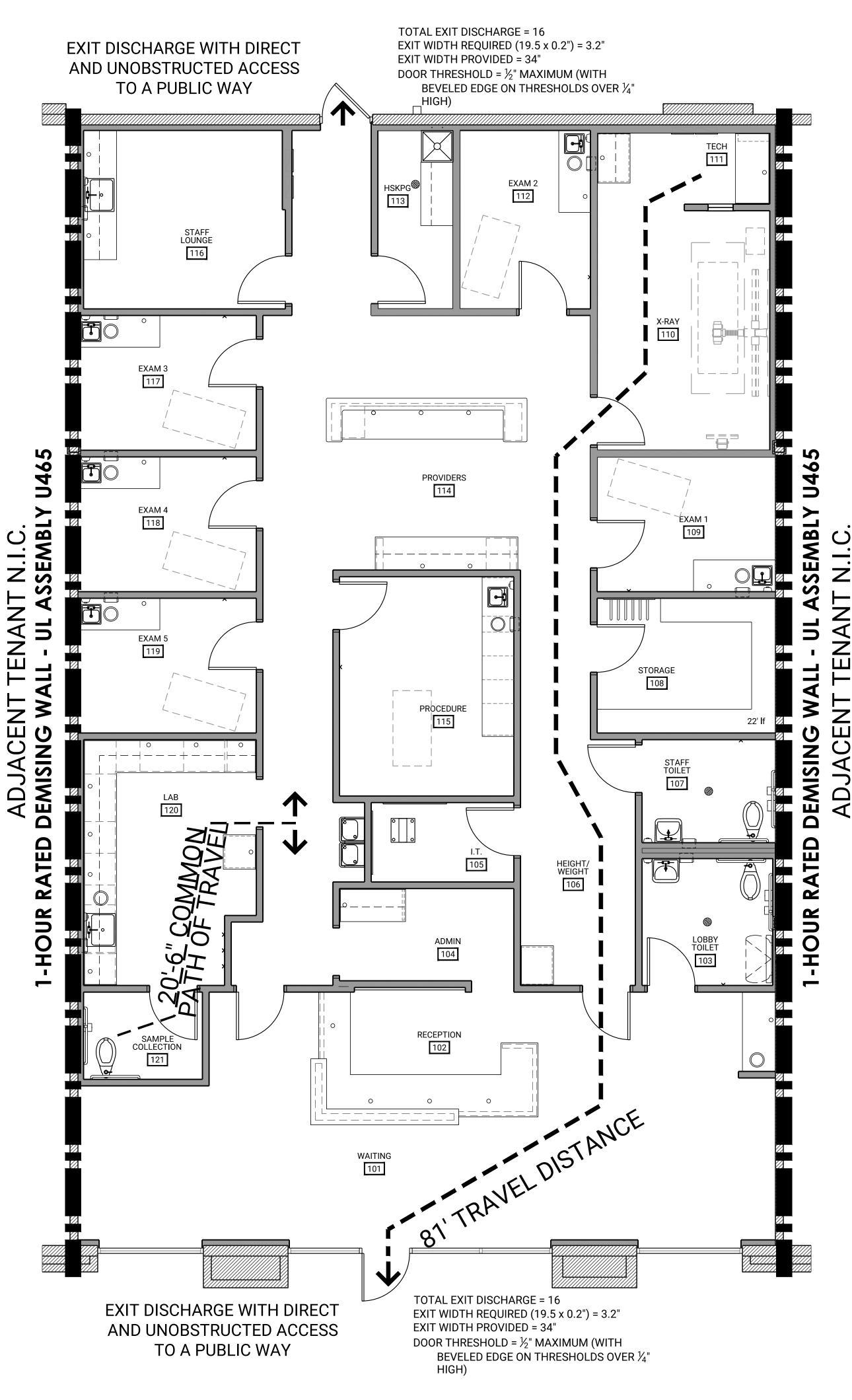
H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. PACED MAX 24 IN. OC.

E OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, ON SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 PENING IS 13-1/2 IN.

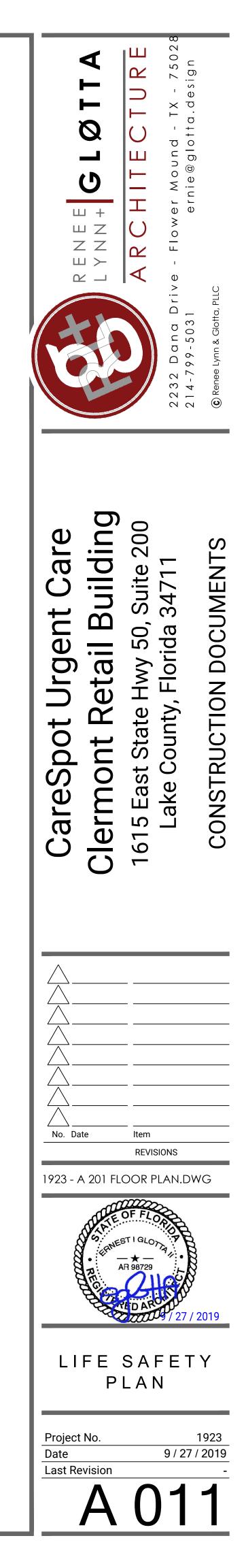
EAVIER) STEEL PIPE, NOM 12 IN. DIAM (OR SMALLER) SERVICE LLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, ALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6 IN. DIAM DIAM (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER EL PIPES OR CONDUITS LARGER THAN NOM 4 IN. DIAM MAY MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON

NSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN I BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT BOTH SIDES OF WALL ASSEMBLY. THE HOURLY F RATING OF F THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS SHOWN TEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR TH IT IS INSTALLED, AS TABULATED BELOW:

T RATING HR 0+, 1 or 2 3 or 4



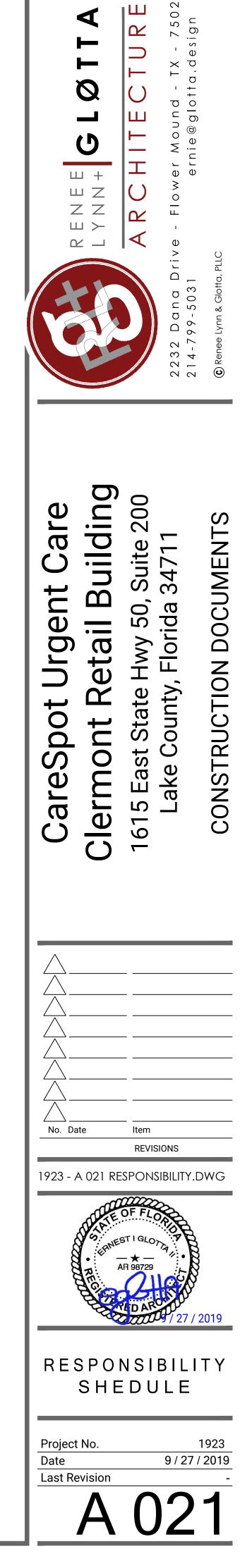




ΙT	E M	N/A	EXISTING				FURNISHED O		INSTALLED	T = TENANT / OWNER
1	GENERAL									
	PERMITTING AND FEES BARRICADE (PAINTED)	•					••			
	BARRICADE SIGNAGE	•								
	CLEANING / TRASH REMOVAL / DUMPSTER CONSTRUCTION TELEPHONE / FAX / DIGITAL CAMERA						• • • •			
-	TEMPORARY POWER DEMOLITION	•					••			
	CONCRETE SLAB & VAPOR BARRIER		•							
	CONCRETE SLAB - LEVELING CONCRETE FLOOR - MOISTURE MITIGATION	•	$\left  \right $		-		••			G.C. TO FURNISH MOISTURE TEST PRIOR TO FLOORING INSTALL
-	CONCRETE CUTTING & PATCHING FLOOR TRANSITIONS						••			
	MONUMENT SIGN & BASE STRUCTURE MONUMENT SIGN BASE STONE VENEER	•								
	WAYFINDING SIGNAGE - INTERIOR						••			
	INTERIOR DOORS REAR SERVICE DOOR		•			_	• •			G.C. TO PROVIDE MISSING HARDWARE AND REKEY
	DOOR HARDWARE DETEX ALARMS AT EXIT DOORS						••			
	SHOP DRAWINGS						••			
	DEMISING WALLS (FRAMING) DEMISING WALLS (GYP. BD.)		•							G.C. TO FLOAT & SAND AS NEEDED TO PROVIDE A LEVEL 4
_	ROOF LADDER (& HATCH)		•	_  -	_					FINISH READY TO RECEIVE WALL FINISHES.
2	EXTERIOR								1	
-	STOREFRONT FRAMING SYSTEM GLAZING (INCLUDING GLASS IN ENTRY DOORS)		•	F				F	$\vdash$	
-	SPANDREL GLAZING UNITS ACCESS PANELS	•	$\left  \right $	-	+	_	••	$\vdash$		
	BUILDING SIGNAGE BLOCKING FOR SIGNS			_				•	•	G.C. TO PROVIDE POWER & BLOCKING
	STOREFRONT DOORS / FRAME / HARDWARE		•	_						G.C. TO ADJUST & UPDATE HARDWARE
	NEUTRAL PIERS STOREFRONT BULKHEAD	•					••			REFER TO REFLECTED CEILING PLAN
-	MISC. BRAKE METAL (API) EXTERIOR FINISHES	•								
-	VINYL WINDOW LOGOS							•	•	
3	PLUMBING WATER SERVICE					-			Т	
-	INTERIOR DOMESTIC WATER PIPING		•							
	INTERIOR DOMESTIC WATER SHUT-OFF VALVE SANITARY SERVICE		•							LOCATED IN-WALL, BEHIND ACCESS PANEL; 42" AFF.
	INTERIOR SANITARY SEWER PIPING PLUMBING VENT LINE		$\left  \right $	_	_	-	• • • •	-	-	INCLUDING SERVICE TIE-IN STUDOR TYPE VENTS NOT ALLOWED.
	ROUGH-IN FOR EQUIPMENT FINAL CONNECTION		$\square$				••			
	FLOOR DRAIN									
	ELECTRIC WATER COOLER WATER HEATER									
	GAS PIPING (RTU) FROST-PROOF HOSE BIB	•								
4	FIRE PROTECTION									
<u> </u>	SPRINKLER (MAIN)	•	П							
	SPRINKLER SYSTEM DESIGN / MODIFICATION SPRINKLER HEADS & BRANCH LINES	•								
-	FIRE EXTINGUISHERS & CABINETS		$\square$			_	••			
_										
5	E L E C T R I C A L ELECTRICAL SERVICE									
	MAIN SERVICE CONDUITS TO SPACE SERVICE WIRING TO SPACE		•				••			G.C. TO MODIFY AS REQUIRED. G.C. TO MODIFY AS REQUIRED.
ŀ	MAIN DISCONNECT SWITCH SWITCH AT ELECTRICAL ROOM		•		+			F		
	FUSES AT ELECTRICAL ROOM	•	╞		+					
	CIRCUIT BREAKERS ELECTRICAL PANELS			┝			• • • •	$\left  \right $		G.C. TO RELOCATE EXISTING PANELS.
	METER METER SOCKET		•	F	-			F		
	WIRING TROUGH		•		+			F		
	TRANSFORMER TIME CLOCK - SIGNS				+		••			
-	CONTACTORS ELECTRICAL EQUIPMENT ROUGH-IN		$\left  \right $		+			$\vdash$	+	
	ELECTRICAL EQUIPMENT FINISH LIGHT FIXTURES		Ħ		+		•••	F		
	EMERGENCY LIGHT FIXTURES		Ħ							
	EXIT LIGHTING / EXIT SIGNAGE ELECTRICAL OUTLETS		⊢							
	SECURITY ALARM VOICE / DATA JUNCTION BOXES			F						G.C. TO PROVIDE ELECTRICAL OUTLET IN I.T. CLOSET.
	VOICE / DATA CABLING (LOW-VOLTAGE)		Ħ		+			F		
	VOICE / DATA CONDUIT VOICE / DATA TERMINATION & TESTING		⊢	F	+		• • • •		$\vdash$	
	TELEPHONES FIRE ALARM SYSTEM	•	$\square$		+					TELEPHONE SERVICE IS VOICE OVER IP
ŀ	SIGNAGE - EXTERIOR SPEECH PRIVACY SYSTEM (WHITE NOISE)		Ħ		+				•	G.C. TO PROVIDE CIRCUITS, TIMECLOCK & BLOCKING
	SERVER RACK		╞							
-	LADDER RACK DVR / HDMI CABLES		H	┝	+		••	•	+	HDMI CABLES TO BE INSTALLED WITHIN RIGID CONDUIT
- 1		I							1	CONDUIT TO BE SIZED TO ACCOMODATE HDMI PLUG ENDS.

D						
K	ESPONSIB LL UNISTAL NSTAL FXISTING FXIS	GC	T SHED LED	L L = LANDLORD G C = GENERAL CONTRACTOR T = TENANT / OWNER		
Μ	N/A EXIS FURP	F U R P	FURNI INSTAI	REMARKS		EM
I. V. A. C.						PROVIDERS
VAC PACKAGED ROOF TOP UNITS JPPLEMENTAL AC EQUIPMENT TU SCREENS VAC WIRE & CONNECTIONS VAC EQUIPMENT STRUCTURAL SUPPORT VAC CURBS & ROOF FLASHING				G.C. TO RELOCATE PER PLANS		SCHEDULED CEILING INTERIOR PARTITIONS FLOORING & BASE AS SCHEDULED WALL FINISH AS SCHEDULED FURRING & BLOCKING MILLWORK
UCTWORK IFFUSERS & GRILLES DILET EXHAUST FAN HERMOSTATS & CONTROLS VAC CONTROL WIRING LOW VOLTAGE IR BALANCING CONOMIZERS				G.C. TO RELOCATE PER PLANS G.C. TO REPLACE AS REQ'D FOR NEW T-STAT LOCATIONS	12	CLOCK FURNITURE X - R A Y SCHEDULED CEILING INTERIOR PARTITIONS FLOORING & BASE AS SCHEDULED WALL FINISH AS SCHEDULED
IR TRANSFER OPENING IN DEMISING WALL MOKE DETECTORS RE DAMPERS OOF TOP UNIT HAIL GUARDS E S T R O O M S CHEDULED CEILING						FURRING & BLOCKING MILLWORK X-RAY EQUIPMENT APRON RACK SHIELDED OBSERVATION WINDOW RADIATION SHEILDING
EILING PLATFORM FRAMING / DECKING ARTITIONS WITH WATERPROOF GYP. BD. /ATERPROOFING MEMBRANE .OORING & BASE AS SCHEDULED /ALL FINISH AS SCHEDULED JRRING & BLOCKING NGLE COAT HOOK DILET TISSUE DISPENSER APER TOWEL DISPENSER QUID SOAP DISPENSER				REFER TO DETAIL D1 / A 701	13	CENTRAL STORAGE SCHEDULED CEILING INTERIOR PARTITIONS FLOORING & BASE AS SCHEDULED WALL FINISH AS SCHEDULED FURRING & BLOCKING MILLWORK & SHELVING CRUTCH RACK
NIRROR GRAB BARS ABY CHANGING STATION GNAGE					14	H O U S E K E E P I N G SCHEDULED CEILING INTERIOR PARTITIONS
DILET ROOM PLUMBING FIXTURES ANITARY NAPKIN DISPOSAL UNIT A B O R A T O R Y / C O L L E C T I C	D N			NONE IN COLLECTION TOILET		FLOORING & BASE AS SCHEDULED WALL FINISH AS SCHEDULED FURRING & BLOCKING MILLWORK & SHELVING
CHEDULED CEILING ITERIOR PARTITIONS OORING & BASE AS SCHEDULED /ALL FINISH AS SCHEDULED JRRING & BLOCKING						MOP SINK / FAUCET MOP AND ACCESSORY HOLDER WATER HEATER, PAN & SHELF
APER TOWEL DISPENSER QUID SOAP DISPENSER NILLWORK LUMBING FIXTURES DILET ROOM PLUMBING FIXTURES DILET SOLENOID WATER VALVE & SWITCH				FLUSH VALVE IN COLLECTION TOILET COORDINATE POWER & TRANSFORMER REQUIREMENTS.	- 15	WAITING SCHEDULED CEILING INTERIOR PARTITIONS FLOORING & BASE AS SCHEDULED WALL FINISH AS SCHEDULED FURRING & BLOCKING
GNAGE HREE (3) COAT HOOKS RASH GROMMETS DILET TISSUE ROLL HOLDER XAM ROOMS / PROCEDURE				REFER TO DETAIL D1 / A 701 10" DIAMETER; BRUSHED STAINLESS STEEL FINISH. BRADLEY 5084		MILLWORK VIDEO MONITORS & BRACKETS SPECIALITY LIGHTING WATER / COFFEE DISPENSER TRASH GROMMET OPEN SIGN(S)
CHEDULED CEILING ITERIOR PARTITIONS OORING & BASE AS SCHEDULED /ALL FINISH AS SCHEDULED JRRING & BLOCKING					- 16	BRAND IDENTITY SIGN AT RECEPTION WA UTILITIES ELECTRICAL SERVICE
APER TOWEL DISPENSER QUID SOAP DISPENSER IILLWORK LUMBING FIXTURES			•			PHONE / INTERNET PATHWAY WATER & SEWAGE GAS
XAM CHAIR XAM TABLE AND SANITIZER HARPS CONTAINER			• • • • •			ELECTRICAL SERVICE / CONDUIT / TRANS ELECTRICAL ACCOUNT / METER PHONE/ INTERNET ACCOUNT SETUP
GLOVE RACK NTOSCOPE RASH CONTAINER NGLE COAT HOOK			• • • •	NO BLOCKING REQUIRED G.C. TO PROVIDE POWER & COORDINATE INSTALLATION REFER TO DETAIL D1 / A 701		INTERNAL MERCHANE RETAIL FRAMES ACRYLIC DOOR WELCOME / THANKS DOOR NO SMOKING SIGN
GNAGE IDEO MONITOR & BRACKET RASH GROMMETS			•	G.C. TO PROVIDE POWER, SIGNAL & BLOCKING 10" DIAMETER; BRUSHED STAINLESS STEEL FINISH.		DOOR WINDOW VINYL LOGO / HOURS COUNTER RACK CARDS COUNTER MAT CLINICIAN ON DUTY
TAFFLOUNGE CHEDULED CEILING ITERIOR PARTITIONS OORING & BASE AS SCHEDULED (ALL FINISH AS SCHEDULED						COMPLIANCE MMD / BUS LIC 16x20 SNA TENAT COMPLIANCE 18x24 SNAP LOBBY POSTERS 22x24 SNAP DIGITAL TV EYE CHART
JRRING & BLOCKING APER TOWEL DISPENSER QUID SOAP DISPENSER IILLWORK LUMBING FIXTURES			•			X-RAY RT LICENSE COMPLIANCE 22x28 SN X-RAY COMPLIANCE MACHINE X-RAY PREGNANT (EXT & INT) LAB COMPLIANCE 16x20 SNAP NO SMOKING - PROCEDURE ROOM
/HITE BOARD ORK BOARD OCKERS NICROWAVE			•			ACRYLIC FIRE EXIT SIGN HOLDER BACK / HALLWAY POSTERS 22x28 SNAP EXAM ROOM TVs
EFRIGERATOR OFFEE MAKER RASH CONTAINER GARBAGE DISPOSAL				G.C. TO PROVIDE POWER & WATER	-	
JRNITURE			••		_	

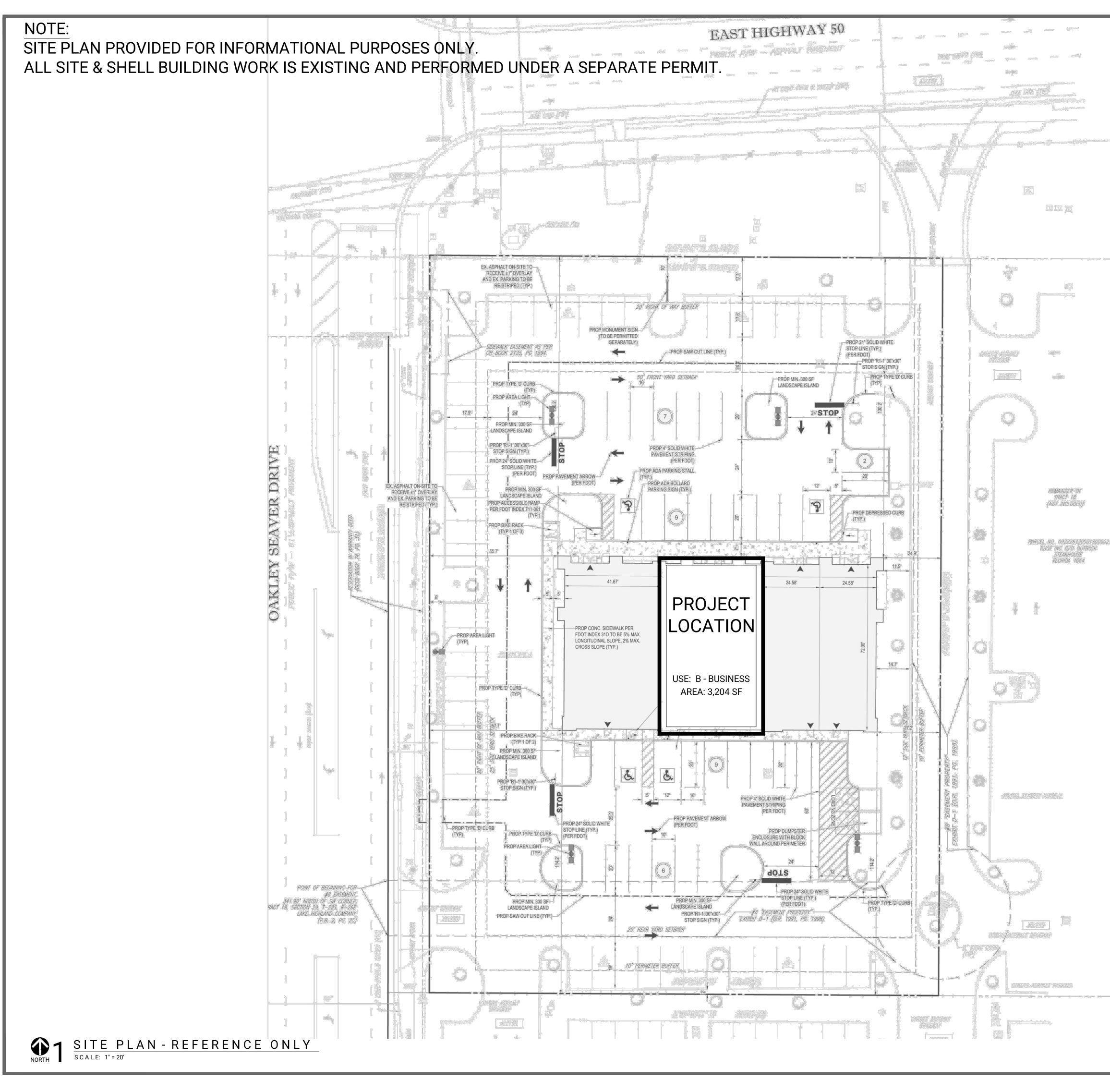
		<u></u>		
R E	N/A EXISTING	FURNISHED FURNISHED FURNISHED FURNISHED FURNISHED FURNISHED		L L = LANDLORD G C = GENERAL CONTRACTOR
				PER X-RAY VENDOR BLOCKING PLAN
				G.C. TO PROVIDE POWER, SIGNAL & BLOCKING G.C. TO PROVIDE BLOCKING
				G.C. TO VERIFY REQUIREMENTS WITH PHYSICIST REPORT.
E				
			•	
			• •	
				WHITE MELAMINE 2 REQUIRED. IDEAL PRODUCTS RR31. PROVIDE BLOCKING.
			•	
				WHITE MELAMINE
			• •	G.C. TO PROVIDE POWER, SIGNAL & BLOCKING
				G.C. TO PROVIDE POWER & WATER 10" DIAMETER; BRUSHED STAINLESS STEEL FINISH.
				MYSTIGLO AE-01. PROVIDE SWITCHED OUTLET. REFER TO PLANS FOR QUANTITY OF SIGNS.
N WALL			•	
				G.C. TO PROVIDE 2" CONDUIT WITH PULLSTRING FROM I.T. CLOSET TO BUILDING'S TELCO DEMARC.
RANSFORMER				
ANDISING	 G			
KS				
URS				
) SNAP				
x28 SNAP				
1				
NAP				

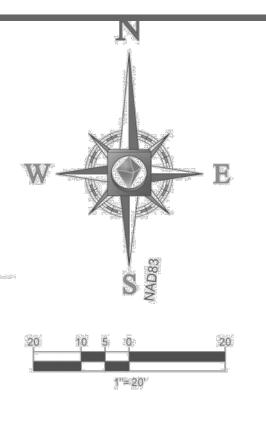


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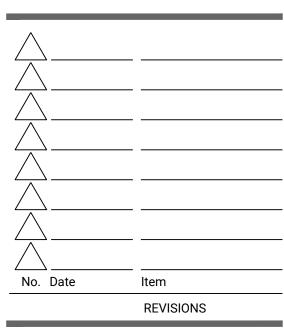


	EGEND
EXIST PROPERTY LINE	2 <del></del>
EXIST R/W LINE	5.57
PROP. BUFFER	and the second sec
PROP SETBACK	and the second sec
EXIST OVERHEAD WIRE	1
PROP. PARKING COUNT	(#)
PROP SIGN	<u> </u>
PROP. BUILDING ENTRANCES	
LIMIT OF DISTURBANCE	
EXIST LIGHT FIXTURE	
EXIST. TREE	Q
PROP. 4" CONCRETE SIDEWALK	

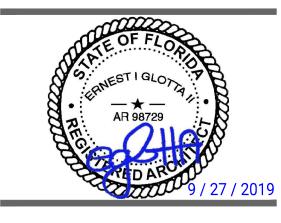


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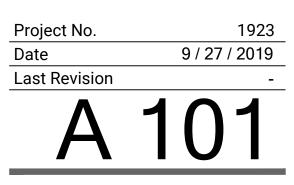
Building 200 are Suite 34711  $\bigcirc$ lent 50, etail Urg W State Ω 0 mont Sp  $\mathbf{O}$ East ake Ð Cler 615 Lá Ca  $\overline{}$ 



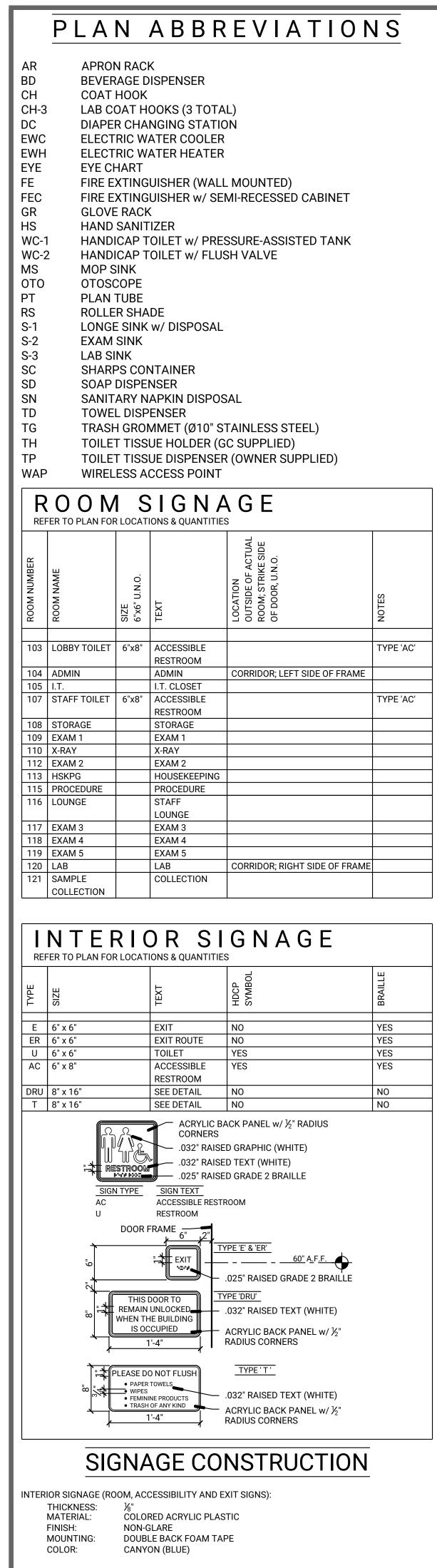
1923 - A 101 SITE PLAN.DWG







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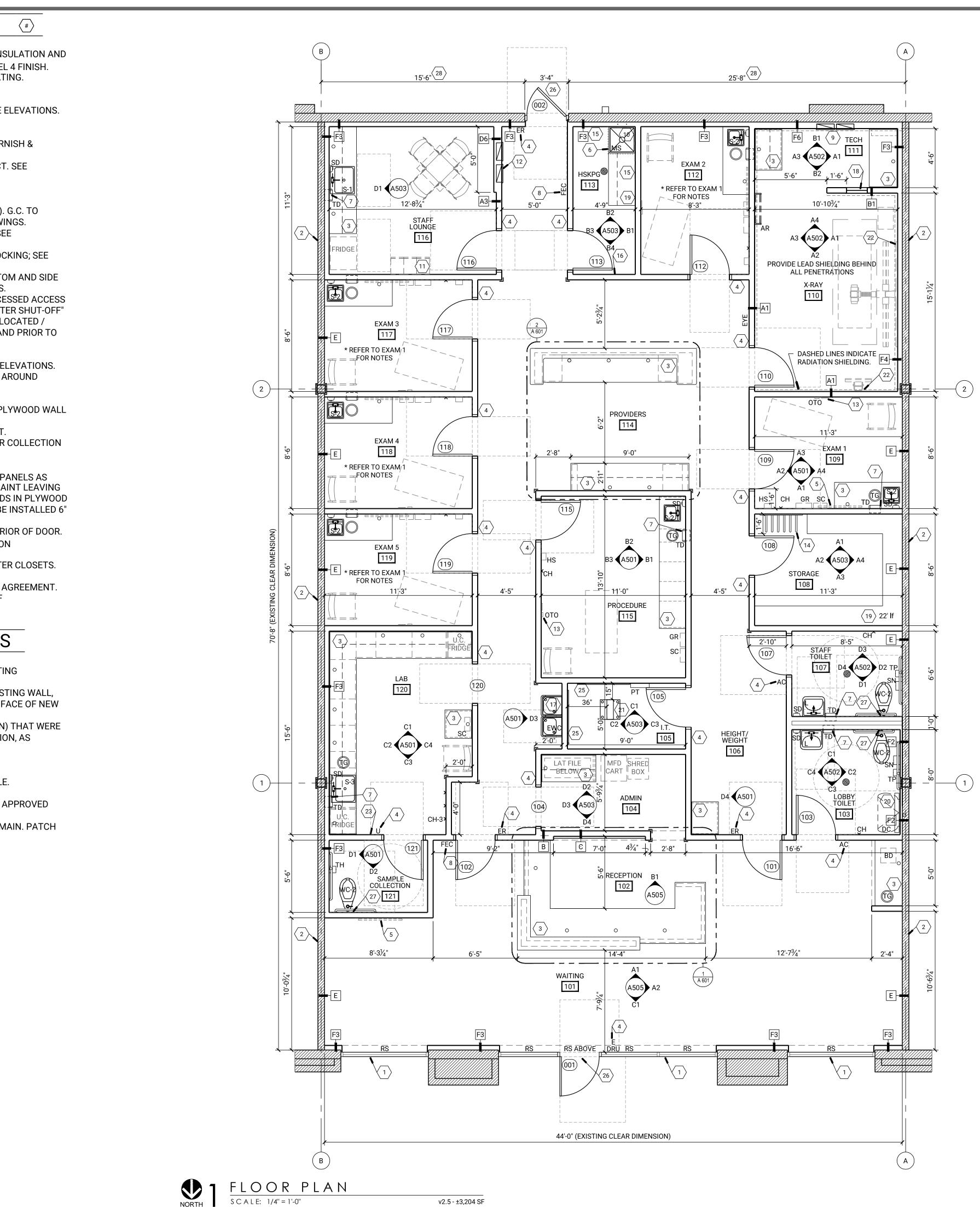


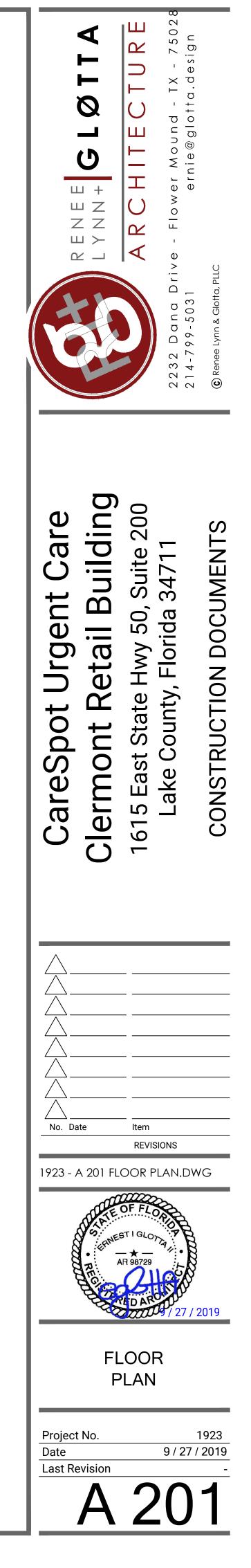
# KEYED NOTES (\*)

- EXISTING STOREFRONT GLAZING SYSTEM.
- EXISTING DEMISING WALL BY G.C. (METAL STUDS, INSULATION AND 5%" G.W.B. EACH SIDE; TAPED.) G.C. TO PROVIDE LEVEL 4 FINISH. FIRE CAULK ALL PENETRATIONS TO ENSURE FIRE RATING.
- 3. MILLWORK, SEE PLANS, ELEVATIONS & DETAILS.
- 4. INTERIOR SIGNAGE.
- PROVIDE BLOCKING FOR MULTIMEDIA SCREENS; SEE ELEVATIONS.
   SHELF & WATER HEATER ABOVE.
- PAPER TOWEL DISPENSER; PROVIDE RECESS.
- 8. FIRE EXTINGUISHER (& CABINET WHERE NOTED). FURNISH & INSTALL SIGNAGE.
- 9. IMAGING ELECTRICAL SUB PANELS AND DISCONNECT. SEE ELECTRICAL DRAWINGS.
- 10. SERVICE SINK. SEE PLUMBING DRAWINGS.
- 11. LOCKERS
- FLUSH MOUNTED ELECTRICAL PANELS (2 200 AMP). G.C. TO PROVIDE CIRCUIT BREAKERS. SEE ELECTRICAL DRAWINGS.
   PROVIDE BLOCKING FOR DIAGNOSTIC EQUIPMENT; SEE
- 14. FURNISH & INSTALL CRUTCH RACKS INCLUDING BLOCKING; SEE
- ELEVATIONS.
  PROVIDE FRP WAINSCOT TO 48" A.F.F., w/ TOP, BOTTOM AND SIDE
- TRIM. SEAL ALL CORNERS & EDGES; SEE ELEVATIONS.
  16. FURNISH & INSTALL WATER SHUT-OFF VALVE IN RECESSED ACCESS
- PANEL AT 48" A.F.F. LABEL ACCESS DOOR "MAIN WATER SHUT-OFF" WITH PERMANENT VINYL LETTERING. VALVE TO BE LOCATED / CONNECTED IMMEDIATELY AFTER WATER STUB-IN AND PRIOR TO ALL FIXTURES.
- 17. HI-LO DRINKING FOUNTAINS; SEE ELEVATIONS.
- LEAD GLASS WINDOW AND LEAD LINED FRAME; SEE ELEVATIONS.
   HEAVY DUTY ADJUSTABLE SHELVING; CONTINUOUS AROUND PERIMETER OF ROOM. SEE ELEVATIONS.
- DIAPER CHANGING STATION, PROVIDE BLOCKING.
   COMPUTER NETWORK RACK; SEE ELEVATIONS FOR PLYWOOD WALL PANEL LOCATIONS.
- PROVIDE BLOCKING FOR X-RAY IMAGING EQUIPMENT.
   SWITCH ACTIVATED WATER SHUTOFF SOLENOID FOR COLLECTION
- TOILET. 24. NOT USED
- 25. PROVIDE & INSTALL <sup>3</sup>/<sub>4</sub>" FIRE RETARDANT PLYWOOD PANELS AS SHOWN. PAINT ALL 6 SIDES w/ 2 COATS OF WHITE PAINT LEAVING ONE COPY OF THE FIRE RATING STAMP VISIBLE. VOIDS IN PLYWOOD TO BE FILLED PRIOR TO PAINTING. SHEETS ARE TO BE INSTALLED 6" A.F.F. AND SHALL EXTEND 96" VERTICALLY.
- 26. PROVIDE WEATHERPROOF BUILDING ADDRESS EXTERIOR OF DOOR. LETTERING TO BE A MIN. OF 6" HIGH w/ <sup>3</sup>/<sub>4</sub>" STROKE ON CONTRASTING BACKGROUND.
- 27. TYPE 'T 'INTERIOR SIGNAGE MOUNTED ABOVE WATER CLOSETS. REFER TO DETAIL THIS SHEET FOR TEXT COPY.
- 28. REAR DOOR LOCATION BY LANDLORD AS PER LEASE AGREEMENT.
   G.C. TO VERIFY DOOR LOCATION PRIOR TO START OF CONSTRUCTION.

# GENERAL NOTES

- FIELD VERIFY ALL DRAWINGS & DIMENSIONS w/ EXISTING CONDITIONS.
   FLOOR PLAN WALL DIMENSIONS ARE TO FACE OF EXISTING
- 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.
- FOR FINISHES SEE FINISH PLAN AND FINISH SCHEDULE.
   ALL PARTITIONS ARE TYPE A3 U.N.O.
- 7. ALL ROOFING WORK SHALL BE DONE BY LANDLORD'S APPROVED ROOFER AT GENERAL CONTRACTOR'S COST.
- 8. PERIMETER WALLS (EXTERIOR AND DEMISING) TO REMAIN. PATCH AND REPAIR AS REQUIRED.



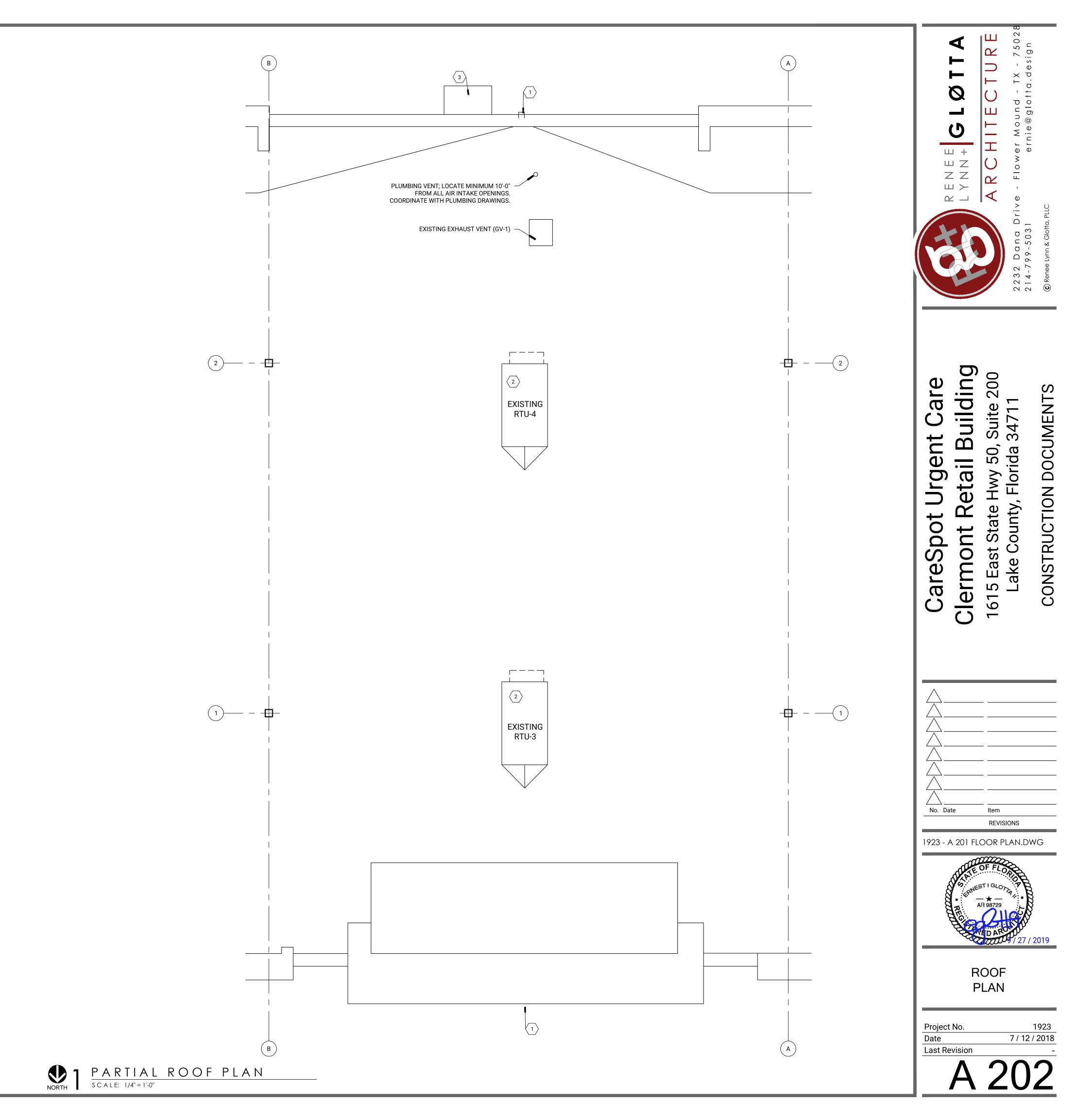


# KEYED NOTES (#>

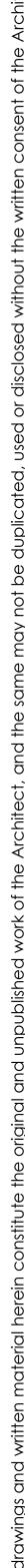
- 1. EXTERIOR TENANT SIGNAGE BY SIGN CONTRACTOR (NOT IN PROJECT SCOPE). G.G TO PROVIDE WEATHER-PROOF J-BOX (MOUNTED TO BACK SIDE OF PARAPET WALL); CONDUITS AND CONDUCTORS BACK TO TIMECLOCK(S) AND PANEL BOARD. COORDINATE SIZES, LOCATION AND POWER REQ'TS w/ SIGN VENDOR. G.C. TO COORDINATE AND ENGAGE LANDLORD'S ROOFING CONTRACTOR FOR ALL ROOF PENETRATION WORK.
- 2. EXISTING ROOF TOP PACKAGED HVAC UNITS TO BE REUSED. G.C. TO REPLACE/REWORK EXISTING ELECTRICAL FOR NEW PANELBOARD LOCATION. REFER TO NEW LOCATION OF THERMOSTATS.
- 3. EXISTING CANOPY BELOW.

# 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.
- REFER TO M-E-P DRAWINGS FOR LOCATIONS OF EXHAUST FAN, PLUMBING STACK AND ELECTRICAL ROOF PENETRATIONS.



(PE	SYMBOLOGY	MANUFACTURER			ELECTRICAL	MOUNTING	NOTES
42	A2	LSI INDUSTRIES	SFP24-LED-50-UE-DIM-35 2x4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%	LED 50W	120/277 V UNIVERSAL	RECESSED GRID	A
2E	A2E	LSI INDUSTRIES	SFP24-LED-50-UE-DIM-35-EM 2x4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 10 WATT EMERGENCY BATTERY BACKUP	LED 50W	120/277 V UNIVERSAL	RECESSED GRID	A, C
2F	A2F	LSI INDUSTRIES	SFP24-LED-50-UE-DIM-35-FK24 2x4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 2x4 DRYWALL KIT	LED 50W	120/277 V UNIVERSAL	RECESSED	A
?FE	A2FE	LSI INDUSTRIES	SFP24-LED-50-UE-DIM-35-EM-FK24 2x4 LED FLAT PANEL, 5000 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 1%, 10 WATT EMERGENCY BATTERY BACKUP, 2x4 DRYWALL KIT	LED 50W	120/277 V UNIVERSAL	RECESSED	A, C
.3	A3	HE WILLIAMS	PT-24-L49/835-RA-DIM-UNV 2x4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE	LED 37W	120/277 V UNIVERSAL	RECESSED GRID	A
3E	A3E	HE WILLIAMS	PT-24-L49/835-RA-EM/10W-DIM-UNV 2x4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 10W EMERGENCY BATTERY BACKUP	LED 37W	120/277 V UNIVERSAL	RECESSED GRID	A, C
3F	A3F	HE WILLIAMS	PT-24-L49/835-RA-DFK2448W-DIM-UNV 2x4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 2x4 DRYWALL KIT	LED 37W	120/277 V UNIVERSAL	RECESSED	A
IFE	A3FE	HE WILLIAMS	PT-24-L49/835-RA-DFK2448W-EM/10W-DIM-UNV 2x4 LED TROFFER, SHALLOW PLENUM, 4900 LUMENS, 3500K, RIBBED ACRYLIC LENS, 0-10V DIMMABLE, 2x4 DRYWALL KIT, 10W EMERGENCY BATTERY BACKUP	LED 37W	120/277 V UNIVERSAL	RECESSED	A, C
31	B1	HE WILLIAMS	VWPV-L30/740-T3-BLK-SDGL-EM/4W-DIM-UNV VOLTAIRE ARCHITECTURAL WALLPACK, VERTICAL HOUSING, 3000 LUMENS, 4000K, TYPE 3 DISTRIBUTION, 4-WATT EMERGENCY DRIVER (500 LUMEN OUTPUT), 0-10V DIMMABLE	LED 36W	120/277 V UNIVERSAL	SURFACE	A, B, C, D
2	<u> </u>	HE WILLIAMS	75R-2-L15/835-VBYX-DIM-UNV NARROW LED STRIP, 2 FOOT, 1500 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 10%, SUSPENSION LENGTH TO BE DETERMINED	LED 12W	120/277 V UNIVERSAL	SUSPENDED	A
4		HE WILLIAMS	75R-4-L30/835-VBYX-DIM-UNV NARROW LED STRIP, 4 FOOT, 3200 LUMENS, 3500K, 0-10V DIMMABLE DOWN TO 10%, SUSPENSION LENGTH TO BE DETERMINED	LED 23W	120/277 V UNIVERSAL	SUSPENDED	A
6	O <sub>C6</sub>	HE WILLIAMS	L60-L15C/835-CS-W-DIM-UNV 6" ROUND LED DOWNLIGHT, 1300 LUMENS, 3500K, CLEAR SEMI-SPECULAR REFLECTOR, WIDE DISTRIBUTION, 0-10V DIMMABLE DOWN TO 10%	LED 19W	120/277 V UNIVERSAL	RECESSED	A
6E	O <sub>C6E</sub>	HE WILLIAMS	L60-L15C/835-CS-W-EM/12W-DIM-UNV 6" ROUND LED DOWNLIGHT, 1300 LUMENS, 3500K, CLEAR SEMI-SPECULAR REFLECTOR, WIDE DISTRIBUTION, 0-10V DIMMABLE DOWN TO 10%, 12 WATT EMERGENCY BATTERY BACKUP	LED 19W	120/277 V UNIVERSAL	RECESSED	A, C
6	O <sub>D6</sub>	CONTECH	RL38SA-2-35KC-12-D/CTR3002-PL 6" ROUND LED DOWNLIGHT, 1200 LUMENS, 3500K, 90+ CRI, MULTI-DIMMING DRIVER, PLATINUM REFLECTOR	LED 15W	120 V	RECESSED	A
6	⊖ F6	CONTECH	RL38SA-2-35KC-12-D/CTR1903-P 6" ROUND LED DOWNLIGHT, 1200 LUMENS, 3500K, 90+ CRI, MULTI-DIMMING DRIVER, SCOOP WALL WASH REFLECTOR	LED 15W	120 V	RECESSED	A
5	P	EUROFASE	31779-012 MINUTA THREE-TIER LED CHANDELIER, SAND WHITE FINISH w/ ACRYLIC SHADE, 7400 LUMENS, 3000K, 80+ CRI	LED 106W	120 V	SUSPENDED	A
12		HE WILLIAMS	1SF-2-L12/835-DMA/120-DIM-120 SOLID FRONT LED UNDERCABINET LIGHT, 2-FOOT UNIT, 1200 LUMENS, 3500K, DIFFUSE MATTE ACRYLIC, 0-10V DIMMABLE DOWN TO 10%	LED 14W	120 V	SURFACE UNDER- CABINET	A
13	C 3	HE WILLIAMS	1SF-3-L18/835-DMA/120-DIM-120 SOLID FRONT LED UNDERCABINET LIGHT, 3-FOOT UNIT, 1800 LUMENS, 3500K, DIFFUSE MATTE ACRYLIC, 0-10V DIMMABLE DOWN TO 10%	LED 21W	120 V	SURFACE UNDER- CABINET	A
(1		HE WILLIAMS	EXIT-R-EM-WHT LED EXIT SIGN, RED LETTERS, AC OPERATION w/ EMERGENCY BATTERY BACKUP, WHITE HOUSING	LED 3.8W	120/277 V UNIVERSAL	CEILING	A, C
(2	×X2	HE WILLIAMS	EXIT-R-AC-WHT-COPY/SF(X-RAY IN USE)-D LED SIGN, RED LETTERS, AC OPERATION, WHITE HOUSING, SPECIAL LETTERING: <b>X-RAY IN USE</b>	LED 3.8W	120/277 V UNIVERSAL	WALL CENTERED 6" ABOVE DOOR	A
(3	Ö <sub>X3</sub>	MULE LIGHTING	EUE-BB-10-XX-W MULLION MOUNT LED OUTDOOR EGRESS w/ REMOTE POWER SUPPLY	LED 10W	120/277 V UNIVERSAL	WALL	A, B, C, D



3 %" 25 GA METAL BRACING TO

STRUCTURE @ 32"

◆ REF. PLAN ACT CEILING.

PAINTED 5⁄8" G.W.B. ON

3 5/8" 25 GA METAL STUDS @ 16" O.C.

PT-4 —

REF. PLAN

3 RECEPTION SOFFIT DETAIL

O.C. MAX.

LESS THAN FULL SIZE TILE. -

**\_\_\_\_** 

w/ PAINT AS REQ'D.

ACT EDGE DETAIL

WALL ———

TO MATCH FACTORY FINISHED

TILE EDGES. TOUCH-UP EDGES

SCALE: 1" = 1'-0"

2 SOFFIT DETAIL SCALE: 1-1/2" = 1'-0"

ACT CEILING.

3 %" 25 GA METAL

- CORNER BEAD, TYP.

0.C. MAX.

PT-4

── PT-4

STUDS TO DECK @ 16"

2. . . <u>.</u>

# CEILING PLAN NOTES

ALL CEILINGS TO BE ACT-1 UNLESS NOTED OTHERWISE. WHERE SUSPENDED CEILING PANELS TERMINATE AT WALLS SEE 4 /

CENTER CEILING GRID IN ROOM UNLESS NOTED OTHERWISE. " NITE " DENOTES CONSTANT HOT NIGHT LIGHT LOCATIONS. ALL LIGHTING SHALL RECEIVE ENERGY COMPLIANT SWITCHING. CEILING HEIGHTS 9'-0" U.N.O.

A 221.

PIPES, ETC.

(IECC).

CODE.

INSTALLATION.

TO MATCH.

FIXTURE.

APPLICATIONS.

SYMBOL ( ( DENOTES SPEECH PRIVACY DEVICE LOCATIONS. CENTER ALL DEVICES IN CEILING TILE, TYP. NOTIFY THE ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATION WITH MAIN TEES, DUCTS, STRUCTURE, HVAC, CONDUIT,

ALL DEVICES AND COVER PLATES TO BE WHITE, U.N.O. WHERE MORE THAN ONE SWITCH OCCURS IN A SINGLE LOCATION, ALL SWITCHES ARE TO BE GANGED UNDER ONE COVER PLATE. PROVIDE LIGHTING CONTROLS TO CONFORM TO ENERGY CODE

PROVIDE EXIT SIGNS AND EMERGENCY LIGHTING AS REQUIRED BY

ACCESS PANELS IN GYP. BD. CEILINGS ARE TO BE AVOIDED AND ARE UNACCEPTABLE WITHOUT ARCHITECT'S APPROVAL.

PROVIDE FIRESTOPPING / DRAFTSTOPPING AS REQUIRED BY CODE. USE ONLY 12 ga. GALVANIZED STEEL WIRE FOR ALL SUSPENDED CEILING SYSTEMS @ 48" o.c. MAX., WRAP 3 FULL TIMES. VERIFY EXACT LOCATIONS OF ALL PENDANT, ACCENT AND SPECIALITY LIGHTS w/ TEANT REPRESENTATIVE PRIOR TO

ALL RETURN & SUPPLY AIR GRILLES SET IN GYP. BD. TO BE PAINTED

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

# LIGHTING NOTES

REFER TO ELECTRICAL FOR LUMINAIRE SCHEDULE. PROVIDE A SUBMITTAL PACKAGE INCLUDING CUTSHEETS FOR EACH

PROVIDE ALL ACCESSORIES FOR A COMPLETE ASSEMBLY

INCLUDING MOUNTING HARDWARE. THE MOUNTING TYPE OF EACH FIXTURE SHALL BE COMPATIBLE WITH INSTALLATION SURFACE OF EACH FIXTURE.

ALL FINISHES SHALL BE COORDINATED WITH ARCHITECT AND DOCUMENTED ON SUBMITTALS.

ALL FLUORESCENT LAMPS SHALL BE 3500L NON-MERCURY TYPE. PROVIDE COLD WEATHER RATED BALLAST FOR OUTDOOR



- 5/8" G.W.B ON 3-5/8" METAL STUDS.



REF. PLAN ACT CEILING. ◆ CEILING AS SCHEDULED. CORNER BEAD, TYP. — PAINT TO MATCH WALL, TYP. — ALIGN w/ WALL BEYOND.

- EXISTING STOREFRONT



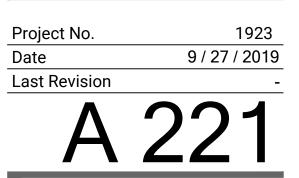


REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0"





REFLECTED **CEILING PLAN** 



	X-RAY GENERAL NOTES		POWER & DATA NO
2. W M 3. VI	ERIFY REQUIREMENTS WITH TENANT SUPPLIED X-RAY EQUIPMENT SHOP DRAWINGS. OOD BLOCKING FOR X-RAY EQUIPMENT TO BE A MINIMUM OF ½" THICK SECURED TO A INIMUM OF THREE (3) STUDS w/ THE FACE OF BLOCKING FLUSH w/ LINE OF STUDS. ERIFY SHIELDING REQUIREMENTS w/ TENANT SUPPLIED PHYSICIST'S REPORT PRIOR TO ISTALLING LEAD LINING IN WALLS.	1. 2. 3. 4. 5.	TOILET. INSTALL SOLENOID ABOVE CEILING, ACCESSIBLE FROM SOLENOID CONTROLLED BY RED SWITCH LOCATED IN THE LAB. ALL OUTLETS AND DATA INSTALLED AT 18" A.F.F., UNLESS NOTE ALL DEVICES AND COVER PLATES TO BE WHITE, UNLESS NOTED
-	X-RAY KEY NOTES	6.	PROVIDE TWO (2) COMPLETE DATA DROPS AT EACH DATA SYMB SHOWN ON PLAN.
A	BREAKER ENCLOSURE FLUSH-MOUNTED AT 44" AFF 208V-240VAC, THREE PHASE / SHUNT TRIP TYPE BASED ON 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.		
<u>A1</u>	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 COVER.		
JB5	8"x8"x4" JUNCTION BOX, MOUNTED FLUSH WITH WALL 18" AFF. PROVIDE A 3"x8" GROMMETED OPENING IN THE COVER.		
C1)	2" CONDUIT FROM (JB1) TO (JB4) w/ PULL STRING.		
(2)	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	$^3\!$		
C7	CONDUIT w/ CONDUCTORS FROM (A1) TO (JB5); SIZED PER CODE.		
(8)	CONDUIT w/ CONDUCTORS FROM (A1) TO (JB4); SIZED PER CODE.		
(WL)	X-RAY IN USE LIGHT, CONNECT TO RED SWITCH LOCATED INSIDE OF X-RAY ROOM.		
EOS	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 - Dis Transforme	stance from E er to Breaker I		Breaker Size	Wire Size "A" to "JB5" Max. 15'	Max. L Impeda				
Three Phase		50'	100'	200'							
208-240 VAC	45kVa	#2	#00	250MCM	100A	#4	0.09	¢			
400 VAC	45kVa	#6	#4	#1	100A	#6	0.27	¢			
240 VAC 45kVa #9 #6 #3 100A #6 0.40 \crim											

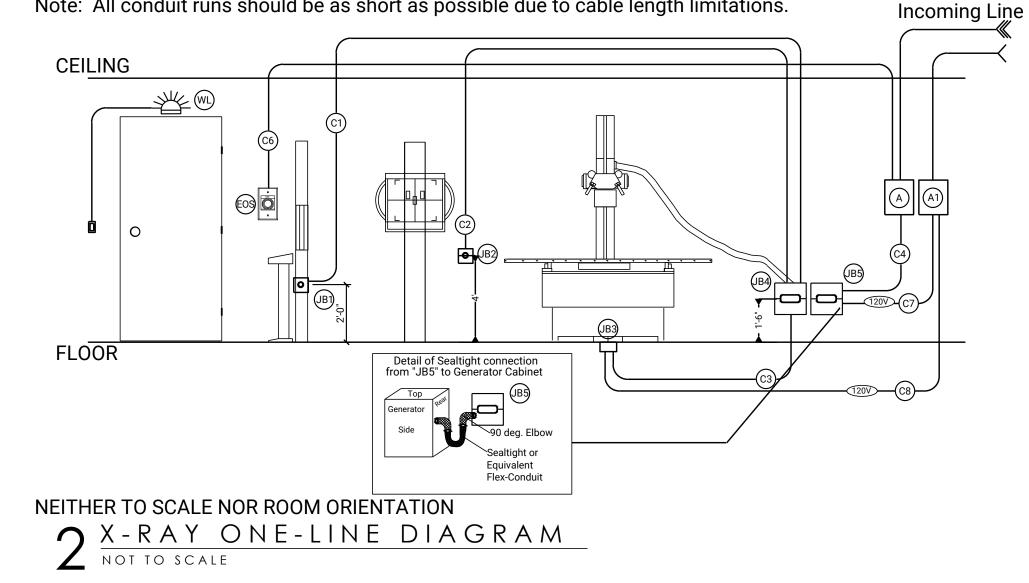
Electrical Contractor to supply appropriate size conductors and Gnd in appropriate size conduit from "A" Breaker Panel to "JB5" leave 8' pigtail on "JB5" side.

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 Code.

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



Note: All conduit runs should be as short as possible due to cable length limitations.

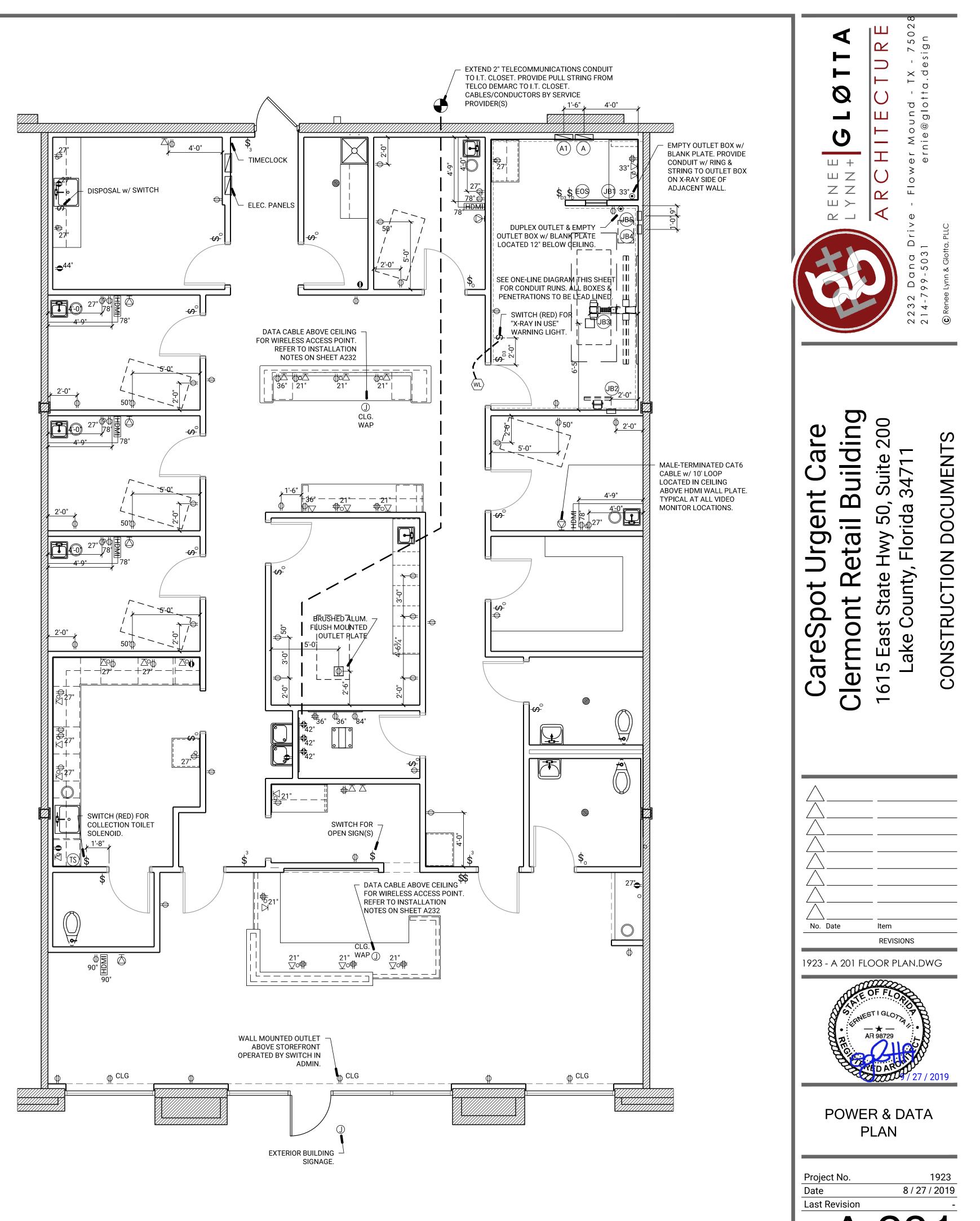
# TES

REFER TO SHEET

OR COLLECTION THE LAB SIDE.

### ED OTHERWISE. OTHERWISE. AND DATA

BOL LOCATION





# WIRELESS ACCESS POINT INSTALLATION

### GENERAL NOTES

- REFER TO SHEETS A 221 & A 231 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. 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. WIRELESS ACCESS POINTS UTILIZE POWER OVER ETHERNET (PoE); ELECTRICAL OUTLET ARE NOT REQUIRED.

### AT WIRELESS ACCESS POINT

- 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. 3.1.
- 3.2. 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
- WIDTH. 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 2/4" 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. 14 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 RESPECTIVE PORTS.
- 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. LOCK THE LATCH AND PROVIDE THE KEY TO THE CLIENT.

### AT THE TELECOMMUNICATIONS ROOM (TR):

- 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.

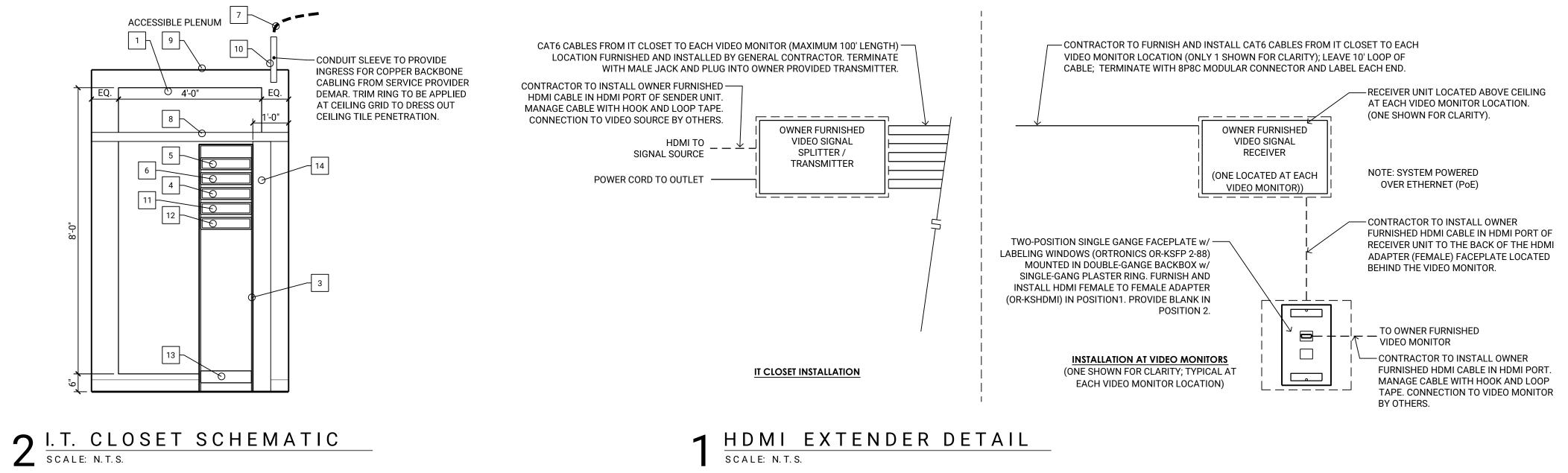
# I.T. CLOSET SCHEMATIC KEYED NOTES

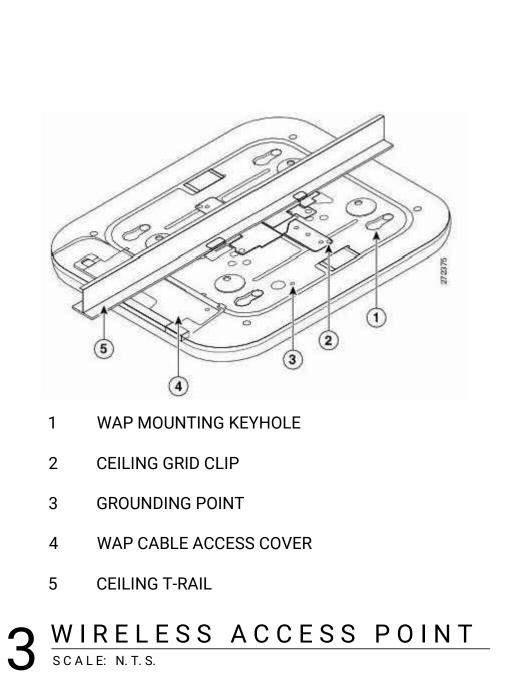
- PAINTING
- BONDING STRAP. SECURE EQUIPMENT RACK TO LADDER RACK w/ J-BOLTS.
- EQUAL. INSTALL ABOVE AND BELOW ALL PATCH (VOICE & DATA)PANELS.

- USED TO CROSS CONNECT PET TO 110-BLOCK.
- DEMARC (KEY NOTE 7).
- 11. OWNER PROVIDED AND INSTALLED 48-PORT ETHERNET SWITCH. 12. OWNER PROVIDED AND INSTALLED NETWORK ROUTER.
- OWNER PROVIDED APC UPS UNIT. UNIT INSTALLED IN BASE OF EQUIPMENT.

# I.T. CLOSET SCHEMATIC NOTES

- REFER TO POWER & DATA PANEL FOR LOCATIONS OF ELECTRICAL DEVICES. FLOOR.
- A.F.F.





PROVIDE & INSTALL <sup>3</sup>/<sub>4</sub>" 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

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 PROVIDE 1RU HORIZONTAL CABLE MANAGEMENT w/ COVER, MODEL ORTRONICS OR-808000010 OR APPROVED

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

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

14. PROVIDE AND INSTALL 6"x7"x84" VERTICAL CABLE MANAGER; ORTONICS OR-MM6VMS706.

PROVIDE AND INSTALL TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) HARGER MODEL GBI14210TGB (¼"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

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 48"

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.

# **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 8. PLATE SHALL BE ONE PORT WITH WALL PHONE MOUNTING LUG (ORTRONICS MODEL OR-403STJ1WP).
- 9. 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 13. 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 MANAGEMENT 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 INFORMATION.
- 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

CABLES AT EACH RECEIVER UNIT.

# 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 AND LOOP TAPE.

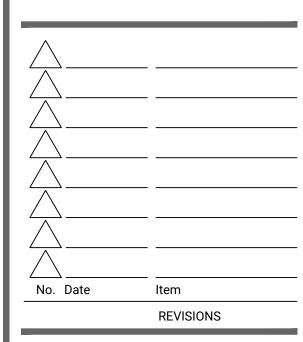
- CONNECT CAT6 PLENUM RATED CABLE FROM EACH RECEIVER UNIT TO EACH TRANSMITTER / SIGNAL SPLITTER UNITS 8P8C PORT.
- INSTALL OWNER FURNISHED HDMI CABLE TO THE HDMI PORT ON EACH SENDER UNIT. MANAGE THE HDMI CABLE WITH HOOK AND LOOP TAPE. HDMI CABLES TO BE CONNECTED TO VIDEO SOURCE BY OTHERS. LABEL THE HDMI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



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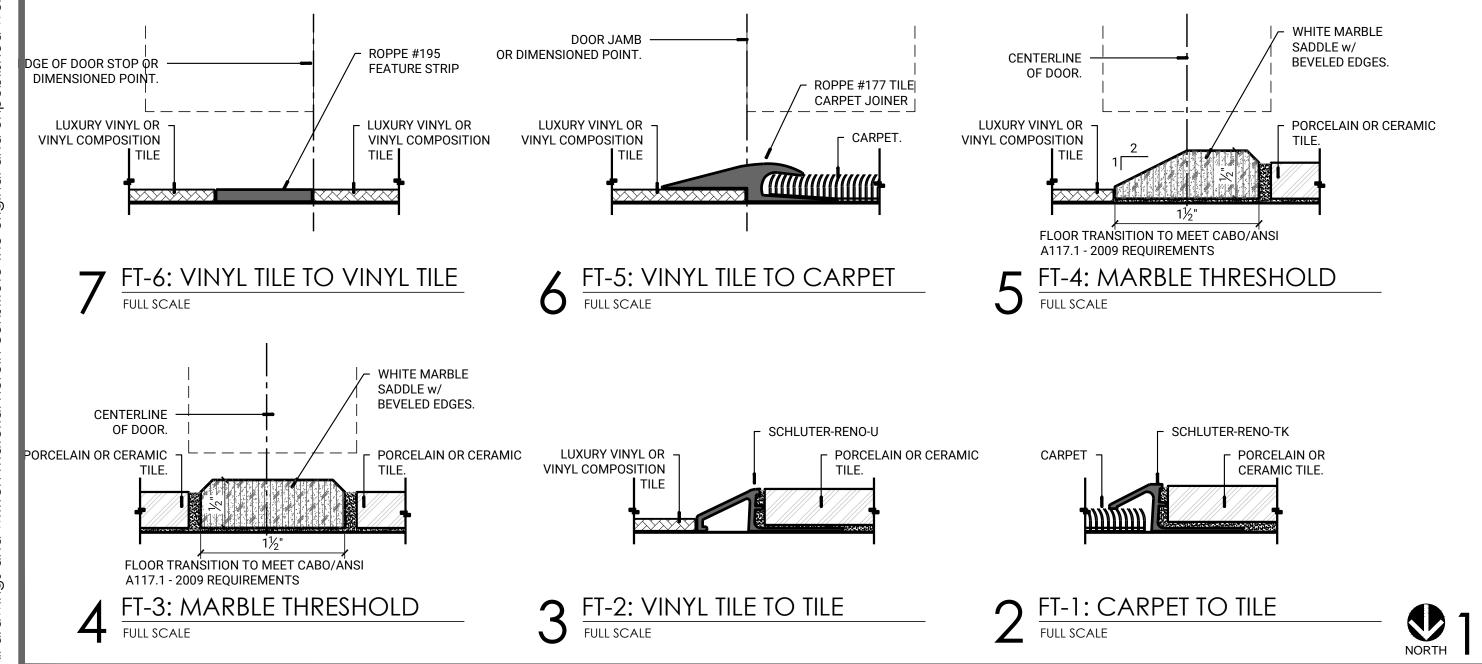
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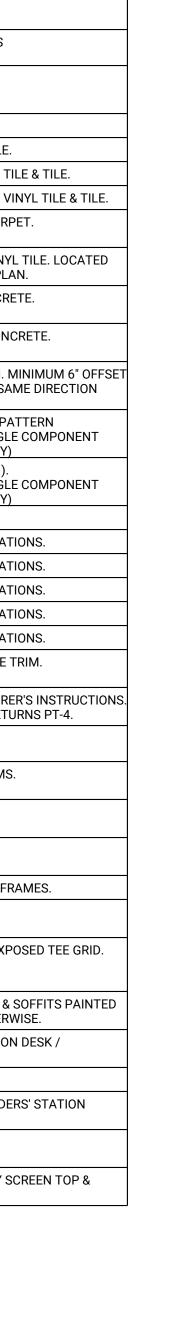
	MARK	PRODUCT	MANUFACTURER	DESCRIPTION	NOTES
	MARK	FRODUCT	/ SUPPLIER		NOTES
	CPT-1	MODULAR CARPET	MOHAWK GROUP ANDY BRUGGEMAN 972-979-0290	BIGELOW; ICONIC EARTH COLLECTION DRIFTED GROUND BT389 / QB389 983 CLEAN SLATE; 12"x36"	RANDOM INSTALLATION
	FT-1	SCHLUTER STRIP	SCHLUTER SYSTEMS	ALUMINUM RENO-TK	BETWEEN CARPET & TILE.
	FT-2	SCHLUTER STRIP	SCHLUTER	ALUMINUM RENO-U	BETWEEN VINYL TILE & TILE.
	FT-3	MARBLE THRESHOLD	SYSTEMS -	WHITE MARBLE w/ GRAY VEINS	AT RESTROOMS BETWEEN TIL
	FT-4	MARBLE THRESHOLD	-	WHITE MARBLE w/ GRAY VEINS	AT RESTROOMS BETWEEN VIN
	FT-5	VINYL TILE CARPET JOINER	ROPPE	#177 JOINER STRIP; COLOR: 100 BLACK	BETWEEN VINYL TILE & CARPE
0 R	FT-6	VINYL FEATURE STRIP	ROPPE	#195 FEATURE STRIP; COLOR: 100 BLACK	BETWEEN VINYL TILE & VINYL 10' ROM EYE CHART; SEE PLAN
FLΟ	FT-7	GLUE DOWN REDUCER	ROPPE	COLOR: 100 BLACK	BETWEEN CARPET & CONCRET
	FT-8	UNDERSLUNG REDUCER	ROPPE	COLOR: 100 BLACK	BETWEEN VINYL TILE & CONCE
	LVT-1	LUXURY VINYL TILE	MOHAWK GROUP ANDY BRUGGEMAN 972-979-0290	LIVING LOCAL C2039, 918 SILVER 6" x 48" PLANK	RANDOM PLANK PATTERN. MI TILE PATTERN TO RUN IN SAM THROUGHOUT.
	PFT-1	PORCELAIN FLOOR TILE	DAL-TILE	VOLUME 1.0, VL77 AURAL SAND 12" x 24"	STAGGERED BRICK-JOINT PAT CUSTOM FUSION PRO SINGLE GROUT (386 - OYSTER GRAY)
ASE	PLB-1	PORCELAIN TILE BASE	DAL-TILE	COVE BASE, P-36C9T, 6"x12" COVE BASE CORNER, PC-36C9T, 1"x6"	MATCH FLOOR TILE (PFT-1). CUSTOM FUSION PRO SINGLE GROUT (386 - OYSTER GRAY)
В	VCB-1	VINYL COVE BASE	ROPPE	100 BLACK, 4" HIGH	CONTINUOUS ROLL.
	CG-1	CORNER GUARD	INPRO	#0154 CLAM SHELL	FULL HEIGHT AT PT-1 LOCATIO
	CG-2	CORNER GUARD	INPRO	#0282 SONORA	FULL HEIGHT AT PT-2 LOCATIO
	CG-3	CORNER GUARD	INPRO	#0231 VERANDA	FULL HEIGHT AT PT-3 LOCATIO
	CG-4	CORNER GUARD	INPRO	#0378 MONSOON	FULL HEIGHT AT PT-4 LOCATIO
	CG-5	CORNER GUARD	INPRO	#0166 SERENITY	FULL HEIGHT AT PT-5 LOCATIO
	FRP-1	FIBERGLASS REINFORCED PANEL	MARLITE	P-001 WHITE, PEBBLE SURFACE.	STANDARD FRP WITH EDGE T
-LS	FS-1	FAUX STONE WALL PANELS	FAUXPANELS.COM	NORWICH MOTELY GRAY, STACK STONE	INSTALL PER MANUFACTUREF PAINT RECESSED WALL RETUR
WAL	PT-1	PAINT	SHERWIN WILLIAMS	SW 7011 NATURAL CHOICE, INTERIOR LATEX, EGG SHELL FINISH.	-
	PT-1E	PAINT	SHERWIN WILLIAMS	SW 7011 NATURAL CHOICE, WATER BASED, CATALYZED EPOXY, GLOSS FINISH.	PROVIDED IN TOILET ROOMS.
	PT-2	PAINT	SHERWIN WILLIAMS	SW 6354 AMAGNAC, INTERIOR LATEX, EGG SHELL FINISH.	-
	PT-3	PAINT	SHERWIN WILLIAMS	SW 6423 RYE GRASS, INTERIOR LATEX, EGG SHELL FINISH.	-
	PT-4	PAINT	SHERWIN WILLIAMS	SW 7038 TONY TAUPE, ACRYLIC, SEMI-GLOSS.	HOLLOW METAL DOORS & FRA
	PT-5	PAINT	SHERWIN WILLIAMS	SW 7616 BREEZY, INTERIOR LATEX, EGG SHELL FINISH.	X-RAY
ILING	ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	DUNE 1774 <sup>15</sup> ⁄ <sub>16</sub> " ANGLED TEGULAR EDGE WHITE 24"x24"x5⁄ <sub>8</sub> "	PRELUDE XL <sup>1</sup> 5/ <sub>16</sub> " WHITE EXPO
CEI	GYP. BD.	GYPSUM BOARD	SHERWIN WILLIAMS	SW 7011 NATURAL CHOICE, INTERIOR LATEX, EGG SHELL FINISH.	GYPSUM BOARD CEILINGS & S PT-1 UNLESS NOTED OTHERW
	PLAM-1	PLASTIC LAMINATE	WILSONART	7943-38 COLUMBIAN WALNUT, FINE VELVET TEXTURE.	CABINET FACES / RECEPTION PROVIDERS' STATION
ЯK	PLAM-2	PLASTIC LAMINATE	WILSONART	4783-60 WHITE TIGRES, MATTE TEXTURE	COUNTERTOPS.
LWO	PLAM-3	PLASTIC LAMINATE	LAMIN-ART	5060-T METALINE QUICKSILVER	RECEPTION DESK & PROVIDER ACCENT BAND.
MIL	PLAM-4	PLASTIC LAMINATE	WILSONART	1595-60 BLACK; MATTE TEXTURE	IDENTITY WALL TOE KICK
	QTZ-1	QUARTZ	CAESARSTONE	CLASSICO COLLECTION, 2030 HAZE, POLISHED FINISH, EASED EDGES.	RECEPTION DESK PRIVACY SC WINDOW SILLS.

NOTES: 1. ALL WINDOWS TO RECEIVE MANUAL ROLLER SHADES, SPRINGS WINDOW FASHIONS, SHEERWEAVE 2410, Q2124 BEIGE / PEARL GRAY. 2. ALL INTERIOR DOORS SHALL BE PLAM-1.

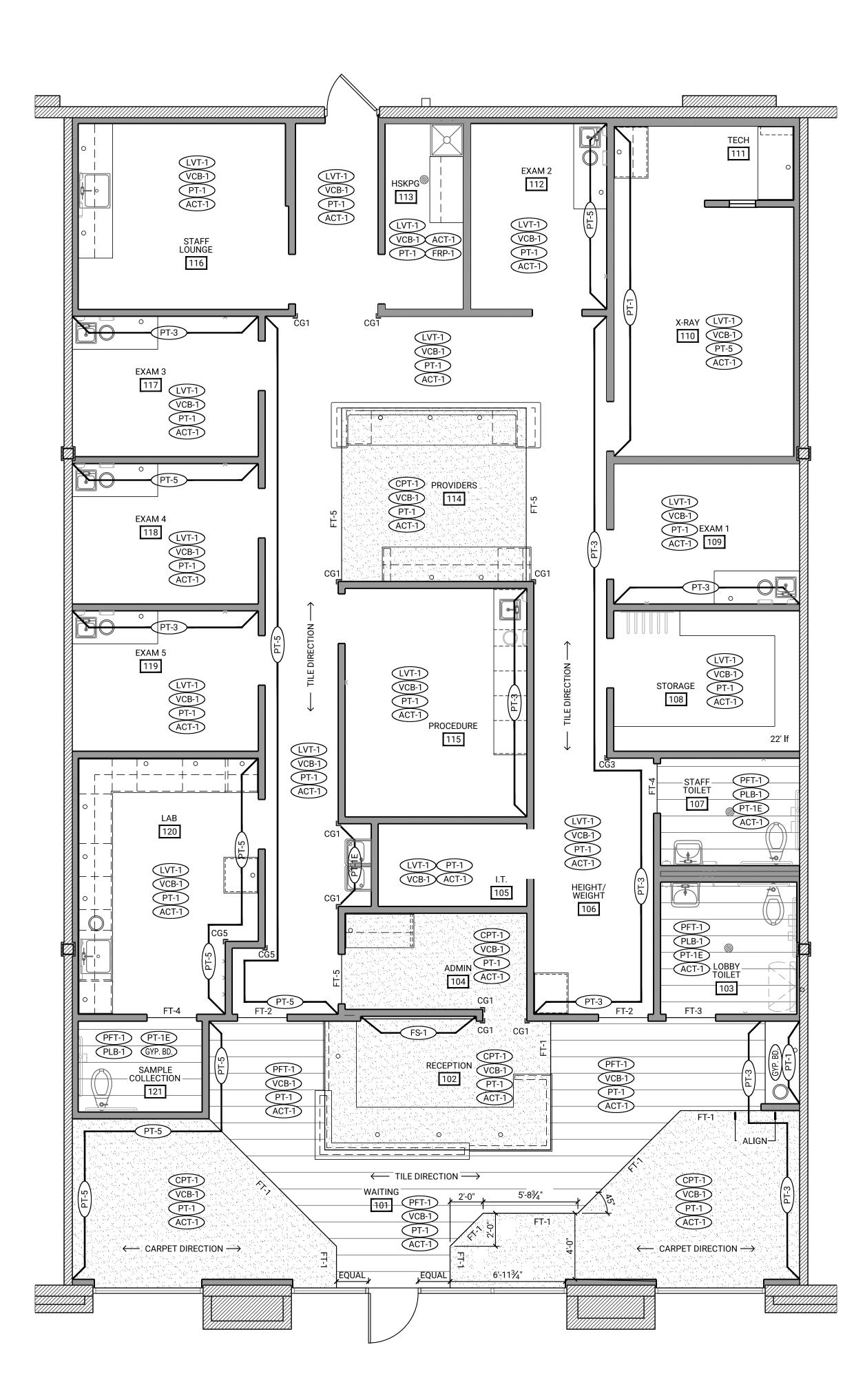
3. ALL HOLLOW METAL DOORS AND DOOR FRAMES SHALL BE PAINTED PT-4.

ALL COUNTERTOPS SHALL BE PLAM-2 UNLESS NOTED OTHERWISE.
 ALL CABINET FACES SHALL BE PLAM-1 UNLESS NOTED OTHERWISE.

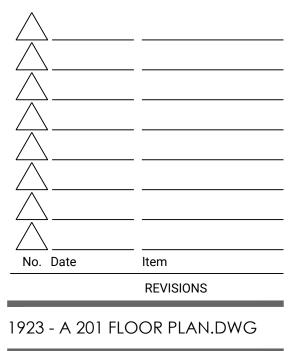


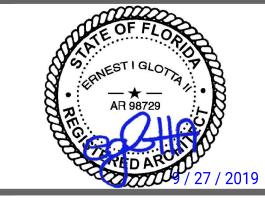


FINISH PLAN SCALE: 1/4" = 1'-0"

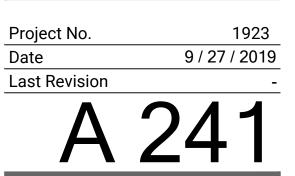


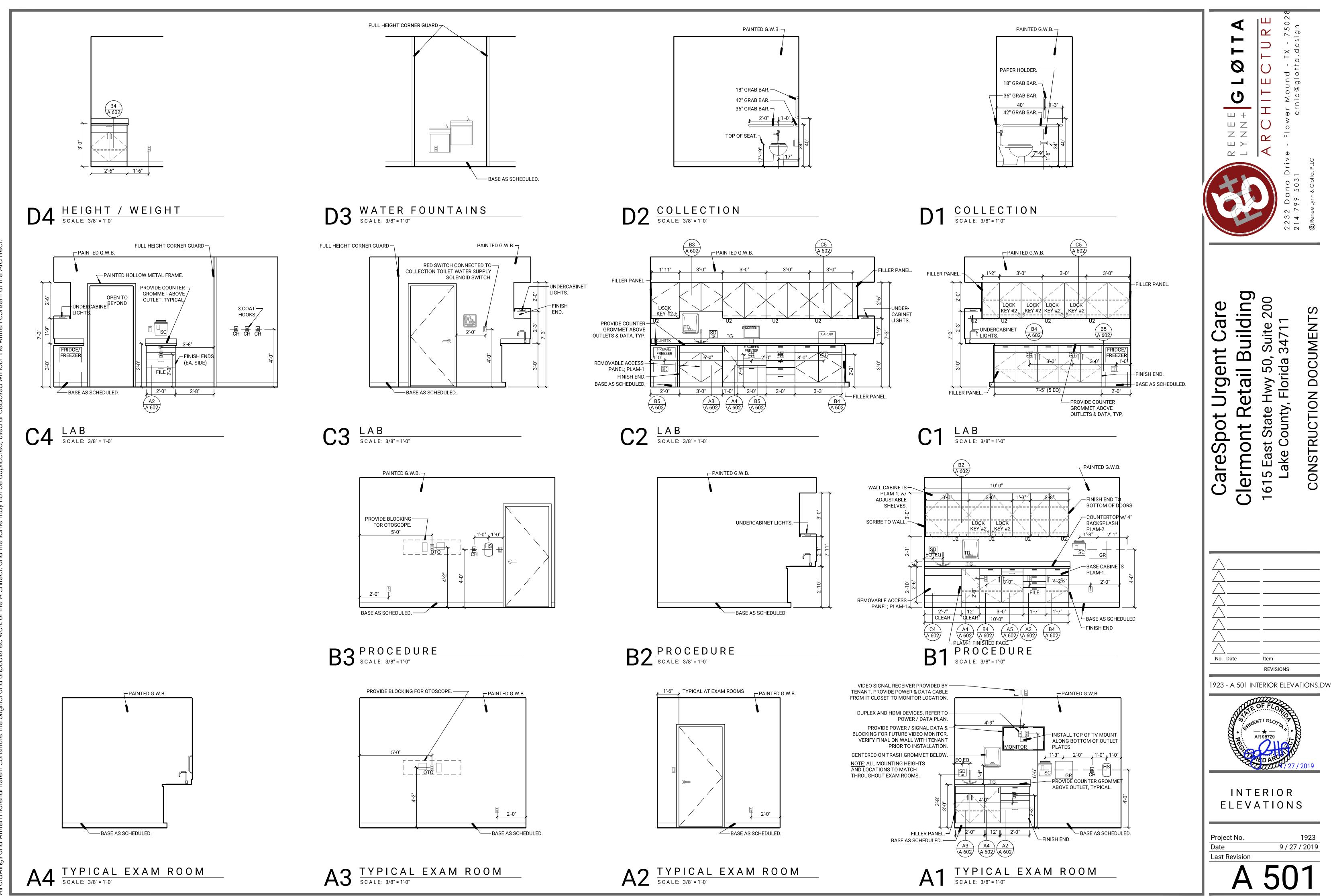


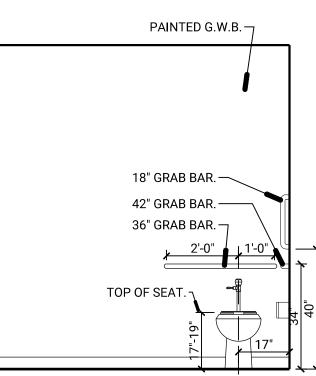




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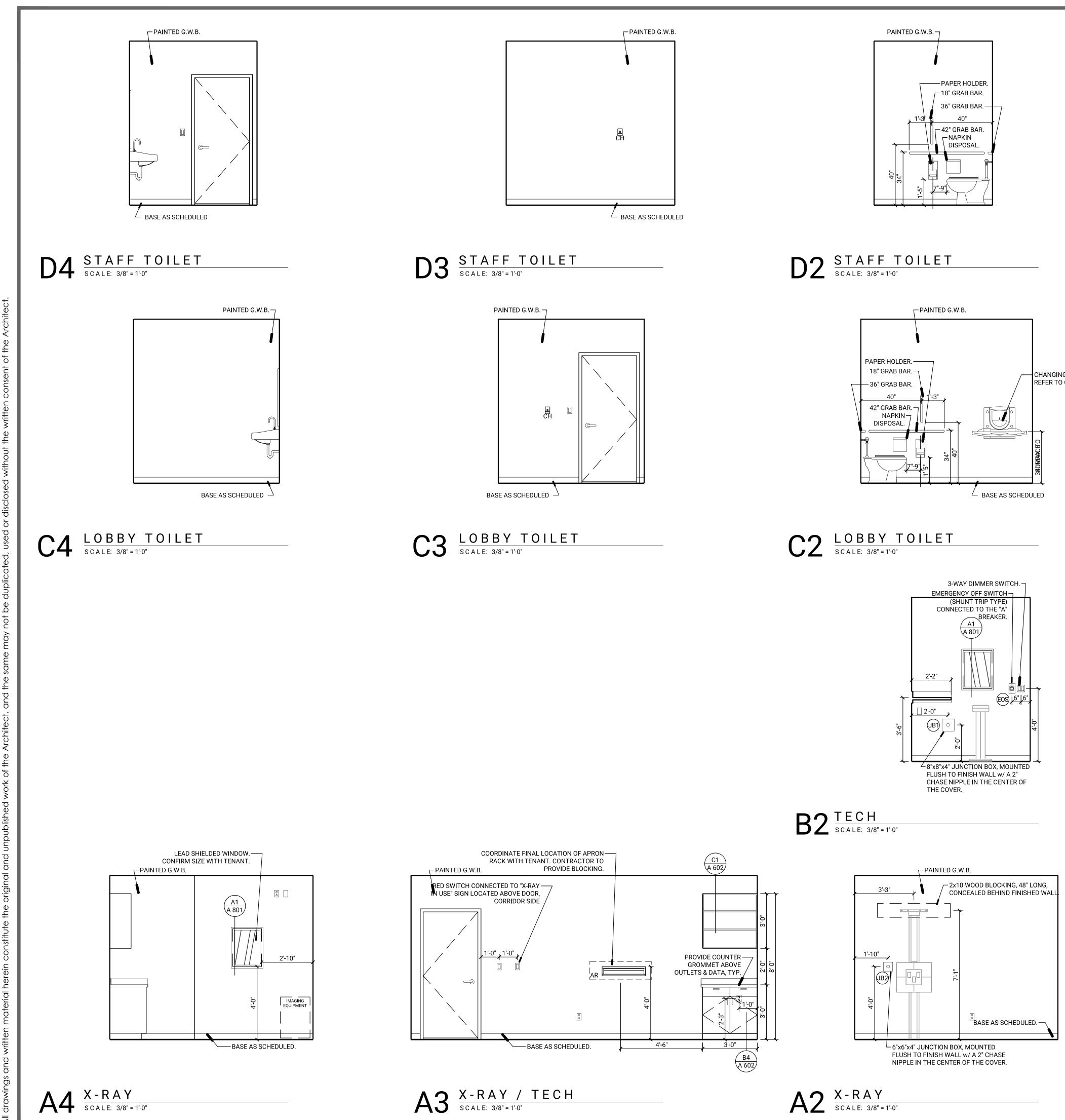


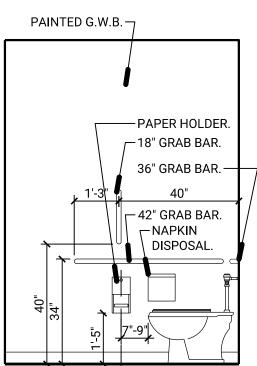


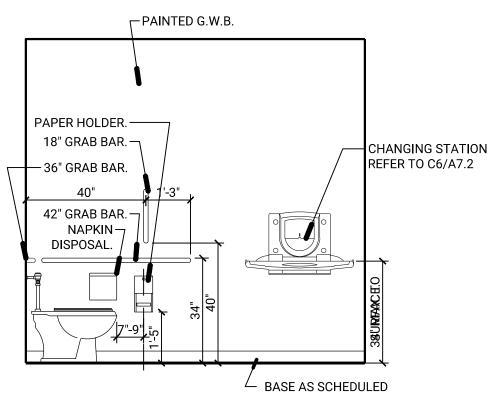


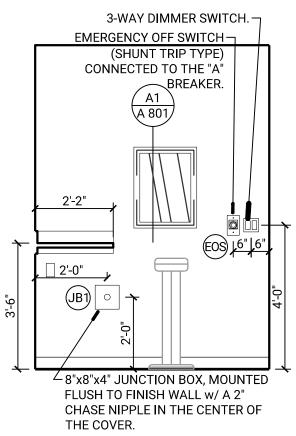
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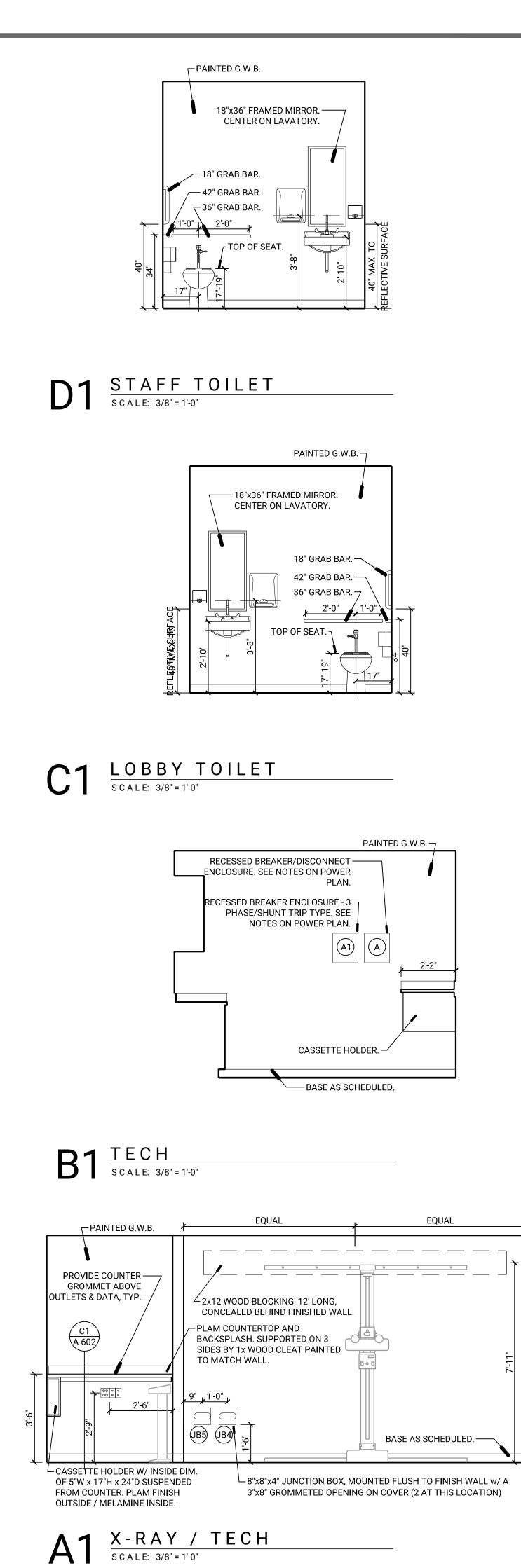


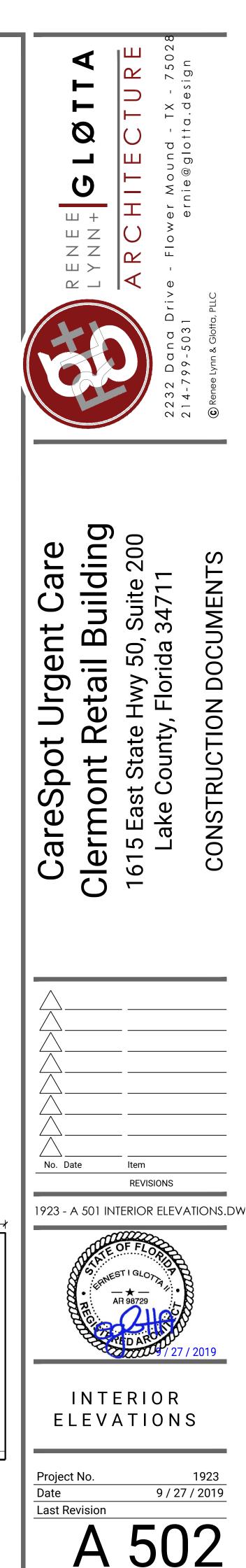


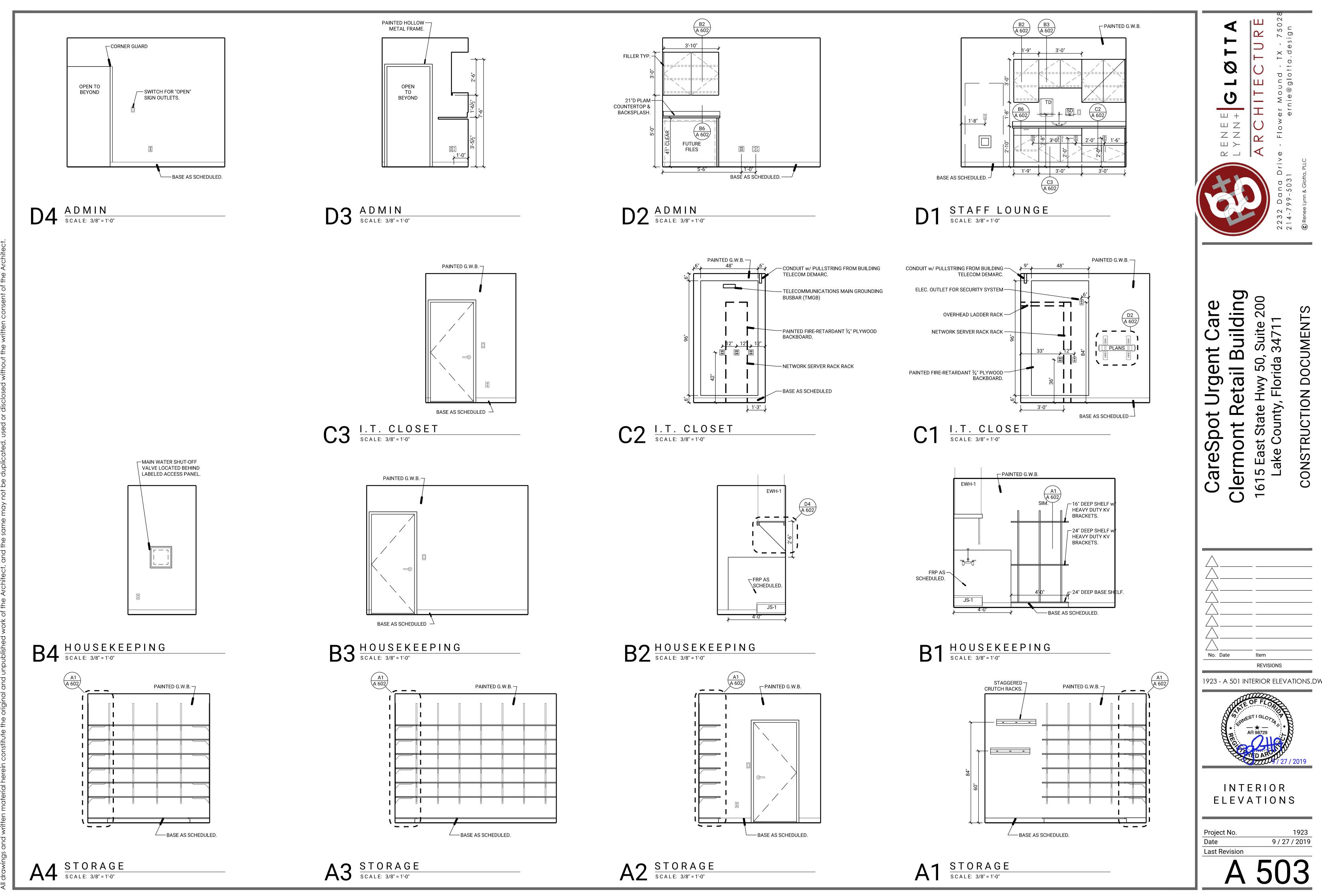




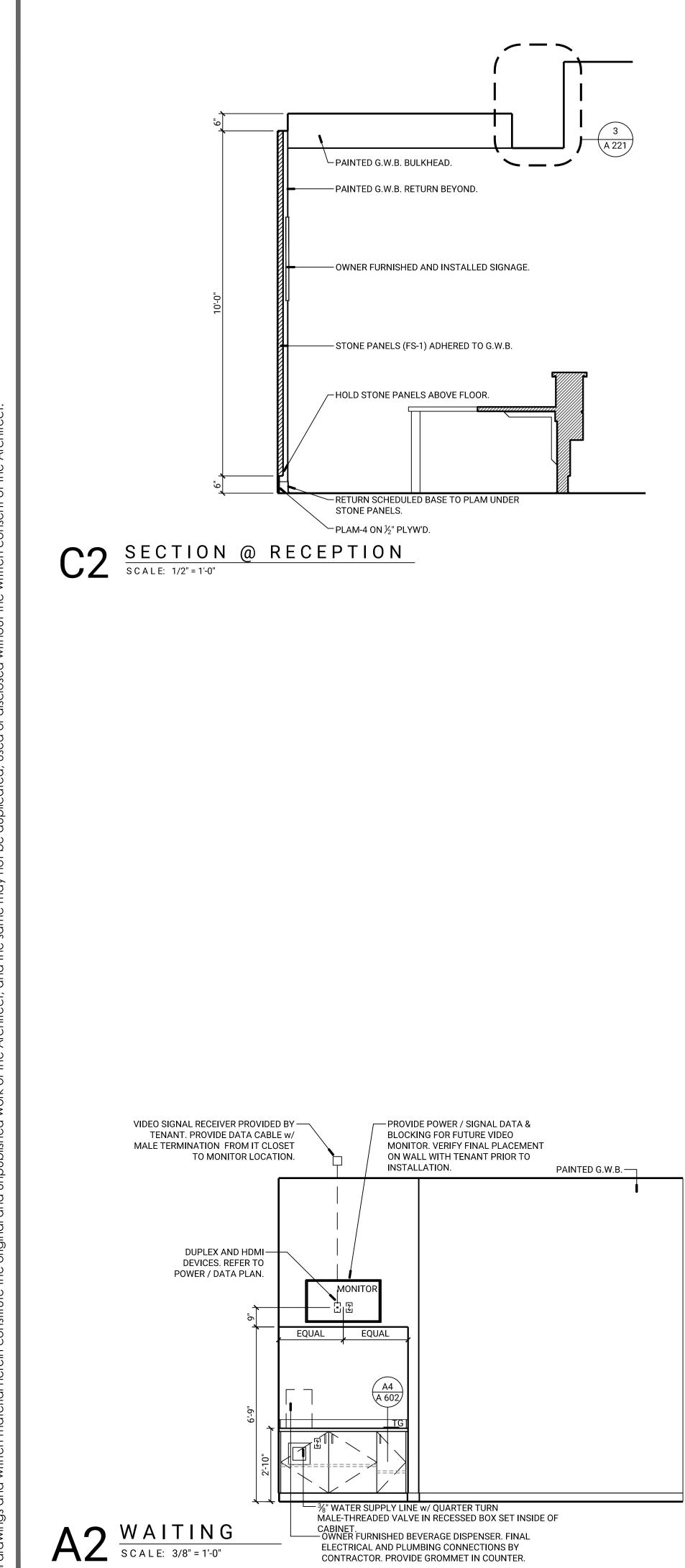


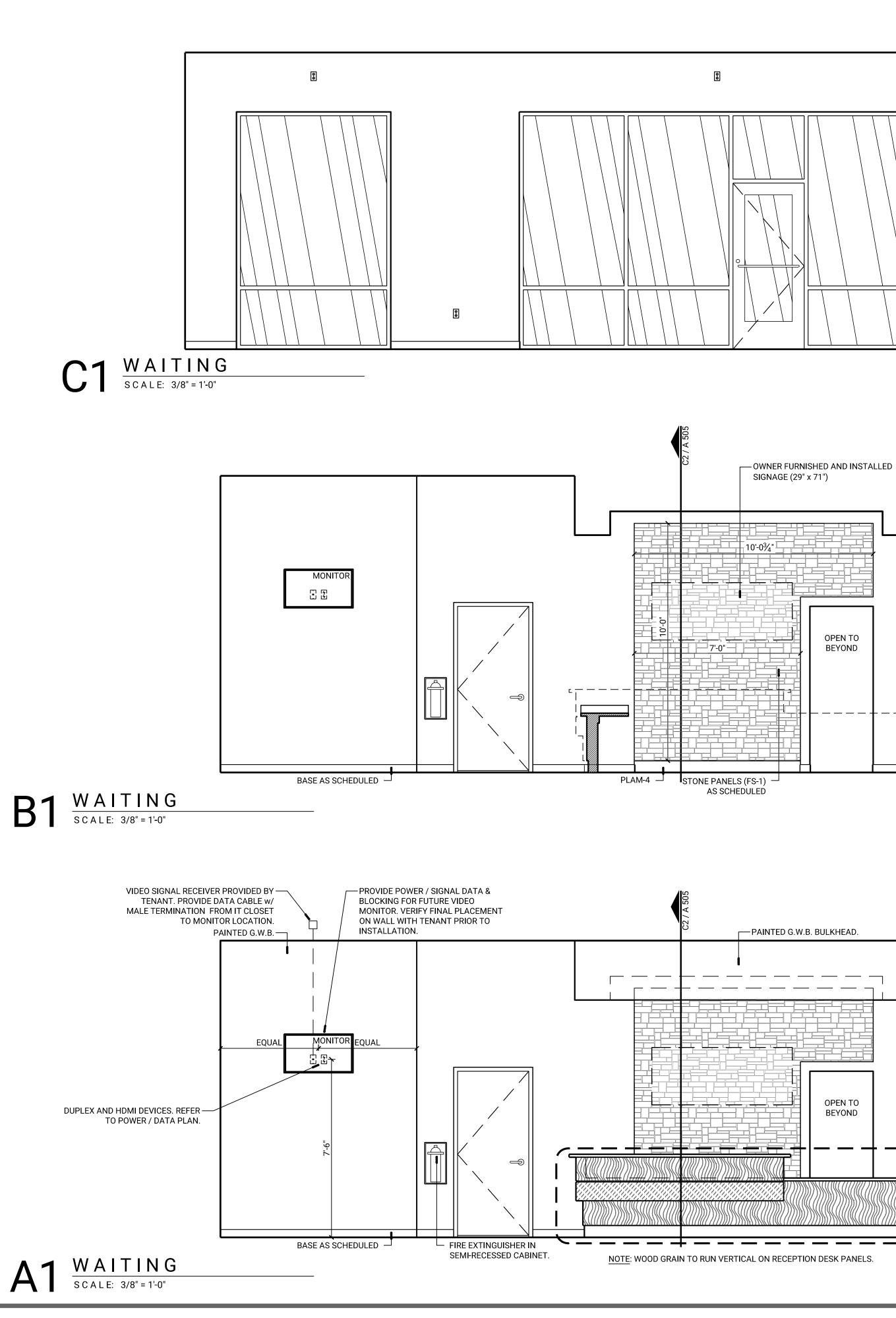


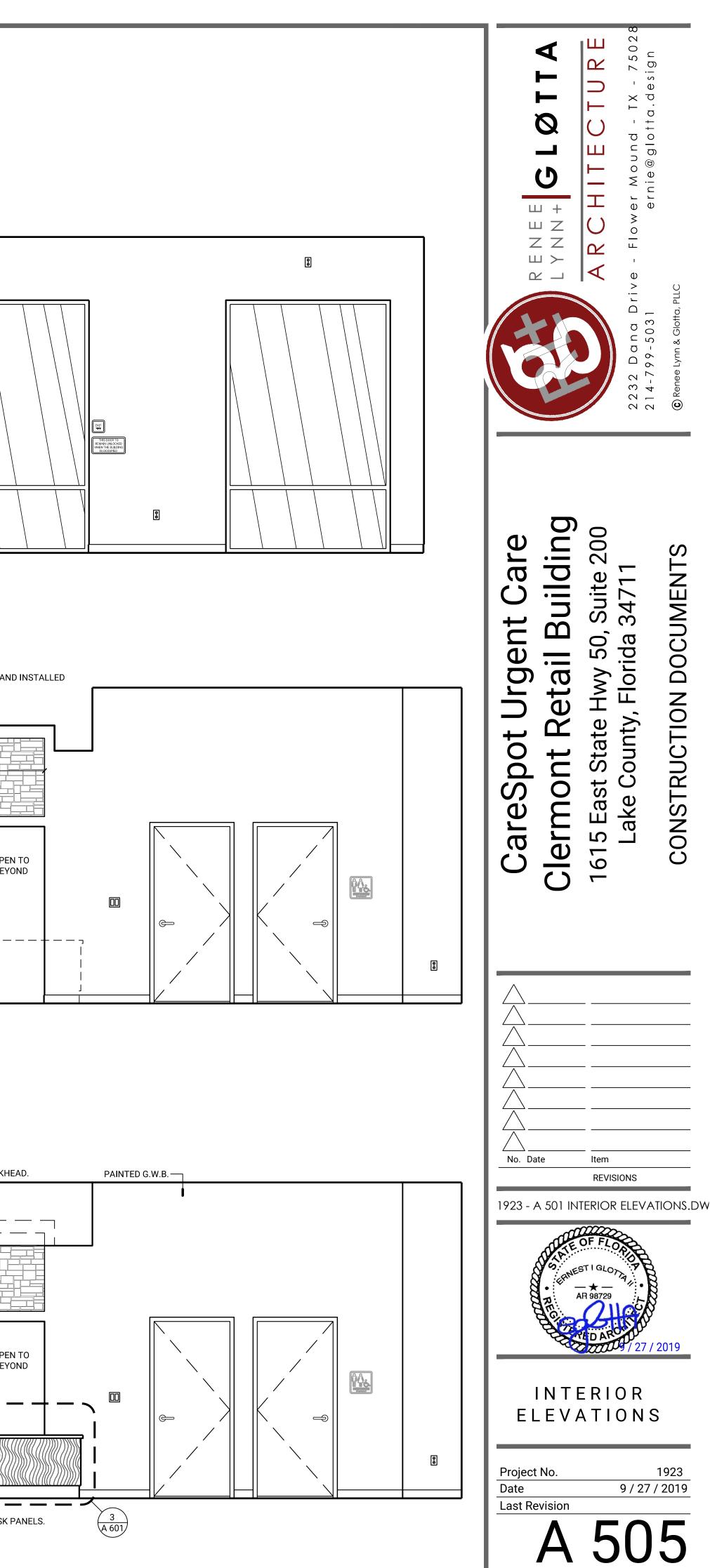




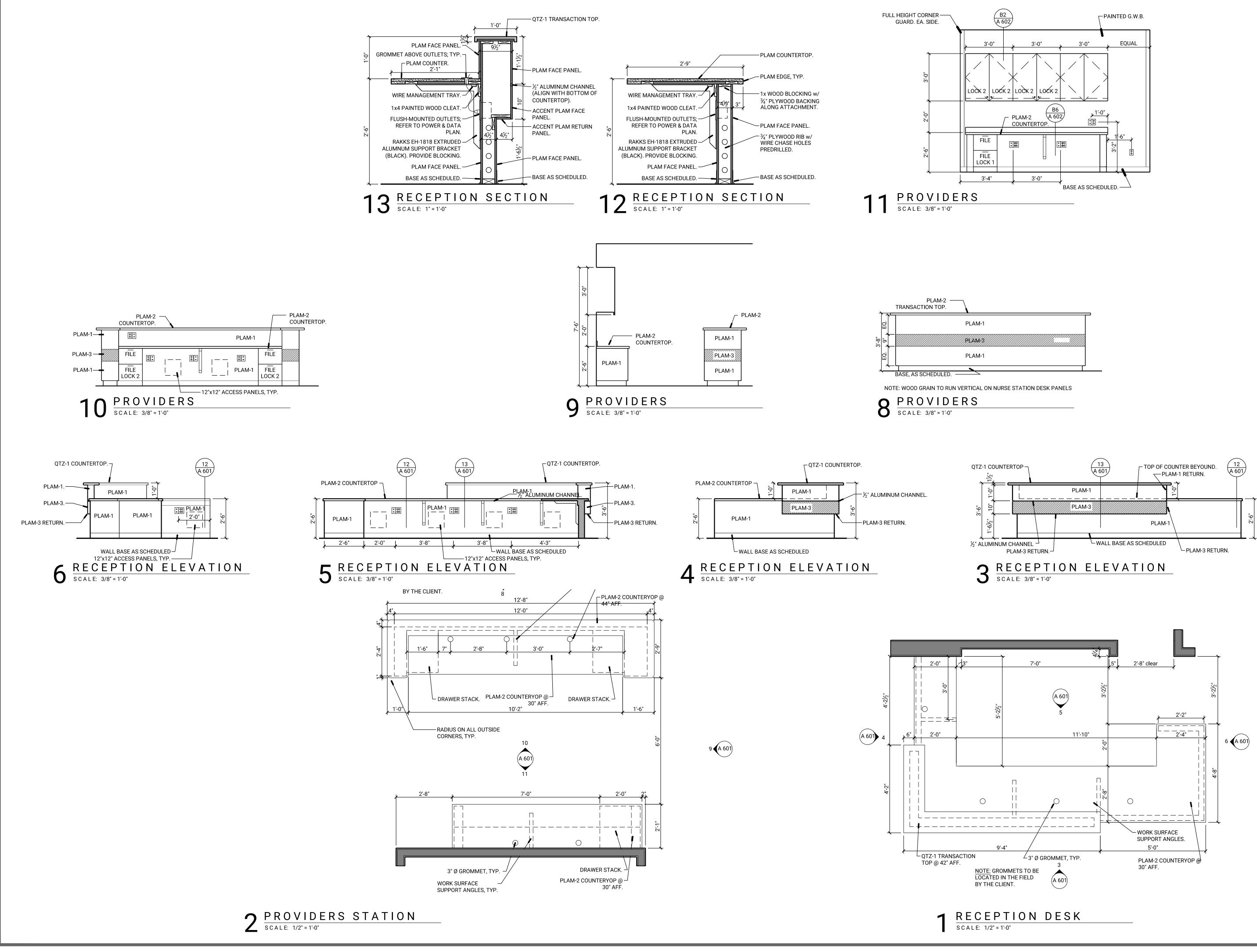
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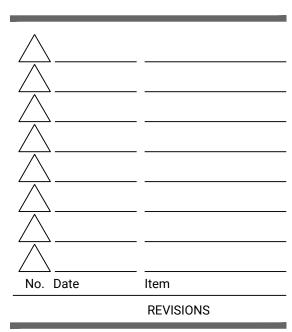


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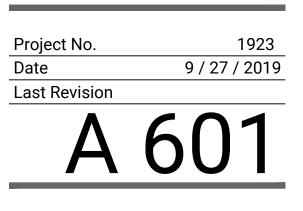
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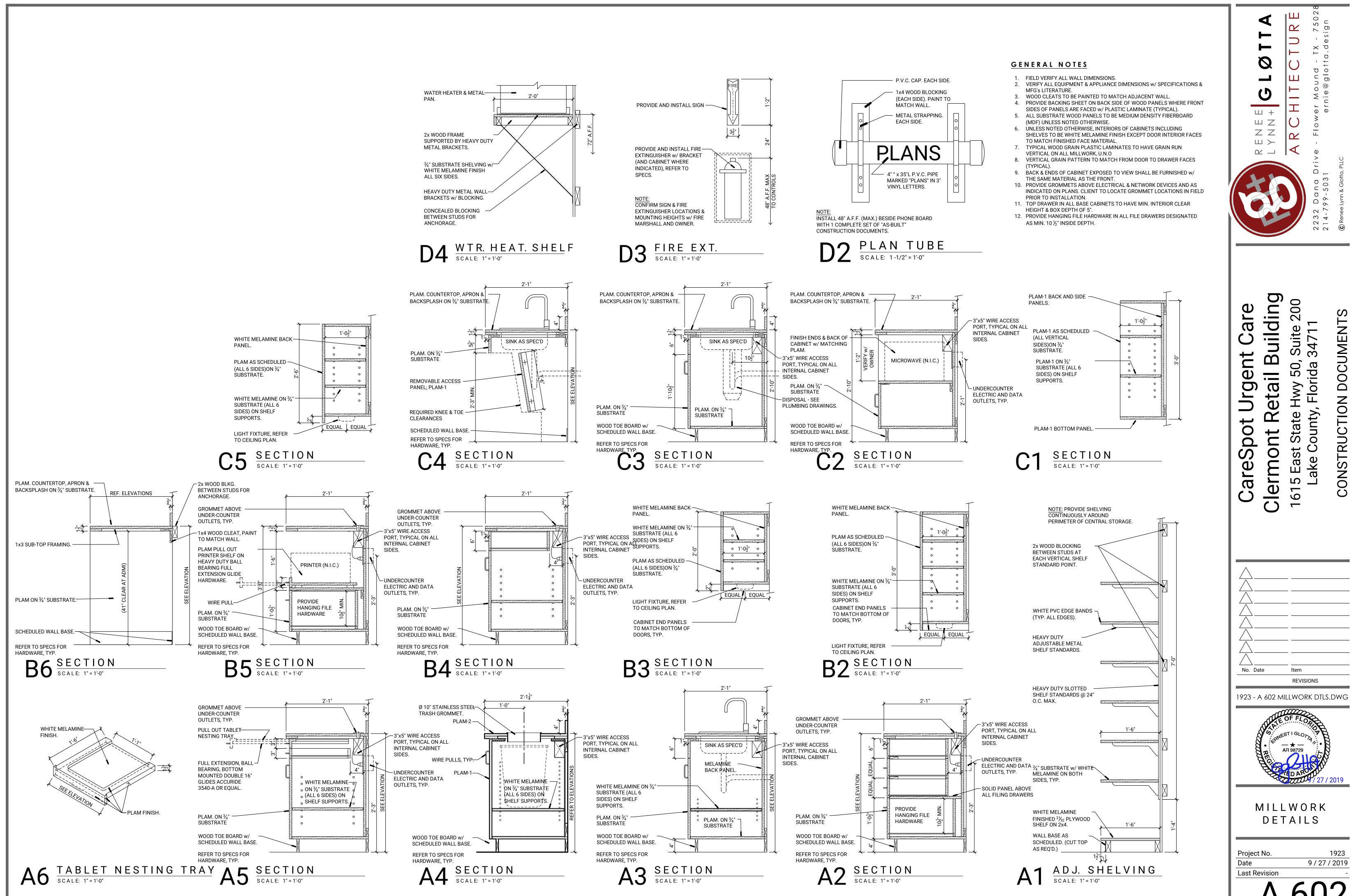


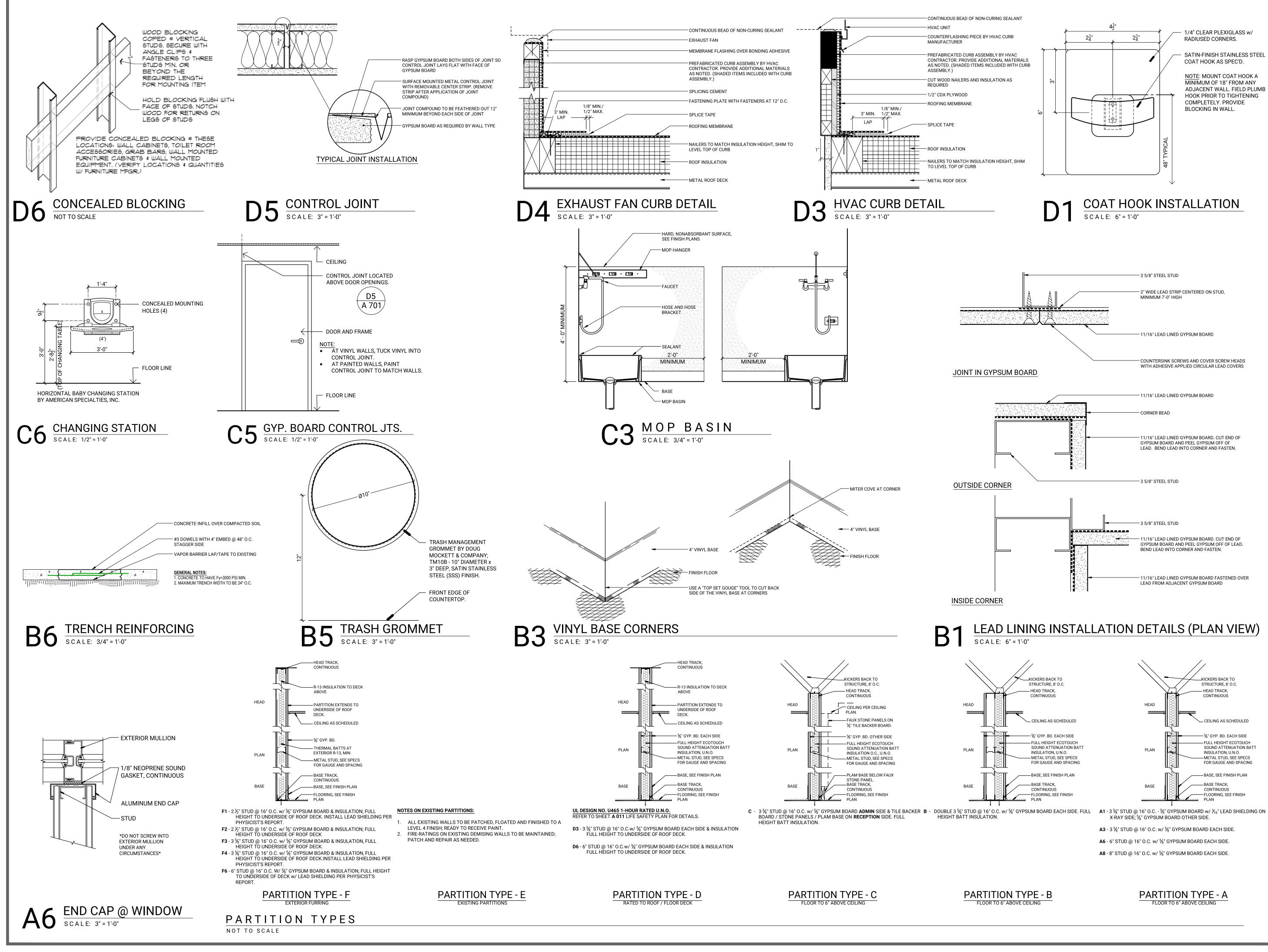
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# HARDWARE SETS

HARDWARE SET - H6 - (ANSI F81)

• 1.5 PAIR HINGES BB1279 4.5x4.5

SILENCERS BY FRAME MANUFACTURER

1 DOOR CLOSER 4040XP

• 1 FLOOR / WALL STOP

• 1 ENTRANCE LOCKSET 10-LINE J-LEVER 626

FURNISH AMOUNT OF KEY CYLINDERS NECESSARY AND ADAPTABLE TO TYPE OF LOCKING OPERATION PROVIDED BY DOOR FABRICATOR. KEY CYLINDERS TO BE SAME MANUFACTURER FURNISHED FOR REMAINDER OF PROJECT SUBJECT TO KEYING REQUIREMENTS AND TO MATCH DOOR / HARDWARE FINISH.

### HARDWARE SET - H1

• 1 FLOOR / WALL STOP

SILENCERS BY FRAME MANUFACTURER

ALUMINUM STOREFRONT ENTRANCE DOOR, FRAME & HARDWARE FINISHES TO MATCH EXISTING CENTER

EXISTING CENTER.		
TOP, BOTTOM & MIDDLE OFFSET HINGES	*	ΥΚΚ ΑΡ
1 CLOSER: CONCEALED OVERHEAD	*	ΥΚΚ ΑΡ
<ul> <li>1 DEADBOLT: MS-1850</li> </ul>	*	ADAMS RITE
<ul> <li>1 PULL / PUSH BAR: BF15847-2</li> </ul>	*	ROCKWOOD
1 BOTTOM RAIL WEATHERSTRIP	*	ΥΚΚ ΑΡ
1 THRESHOLD	*	ZERO
<ul> <li>1 KICKPLATE: 8400-9x35</li> </ul>	626	IVES
1 CYLINDER (KEYED EXTERIOR / THUMB TU	JRN AT INTERIOR)	
	626	BEST
HARDWARE SET - H2 - (ANSI F75)		
• 1.5 PAIR HINGES BB1279 4.5x4.5	626	HAGER
<ul> <li>1 PASSAGE SET 10-LINE J-LEVER</li> </ul>	626	SARGENT
1 OVERHEAD STOP 4424	626	A.B.H.
SILENCERS BY FRAME MANUFACTURER		
HARDWARE SET - H3 - (ANSI F75)		
1 CONT. GEARED HINGE SERIES 780 LL	626	HAGER
<ul> <li>1 PASSAGE SET 10-LINE J-LEVER</li> </ul>	626	SARGENT
1 OVERHEAD STOP 4424	626	A.B.H.
SILENCERS BY FRAME MANUFACTURER		
HARDWARE SET - H4 - (ANSI F75)		
• 1.5 PAIR HINGES BB1279 4.5x4.5	626	HAGER
1 PASSAGE SET 10-LINE J-LEVER	626	SARGENT
1 DOOR CLOSER 4040XP	ALUM	LCN
1 FLOOR / WALL STOP     SILENCERS BY FRAME MANUEACTURER	626	ROCKWOOD
SILENCERS BY FRAME MANUFACTURER		
HARDWARE SET - H5 - (ANSI F76) • 1.5 PAIR HINGES BB1279 4.5x4.5	606	
<ul> <li>1.5 PAIR HINGES BB1279 4.5x4.5</li> <li>1 PRIVACY LOCKSET 10-LINE J-LEVER</li> </ul>	626 626	HAGER SARGENT
I DOOR CLOSER 4040XP	626 ALUM	LCN

626

ROCKWOOD

HARDWARE SET - H7 - (ANSI F86) • 1.5 PAIR HINGES BB1279 4.5x4.5 • 1 STOREROOM LOCKSET 10-LINE J-LEVER • 1 DOOR CLOSER 4040XP • 1 FLOOR / WALL STOP • SILENCERS BY FRAME MANUFACTURER		HAGE SARG LCN ROCK
HARDWARE SET - H8		
• 1.5 PAIR HINGES BB1279 4.5x4.5	626	HAGE
<ul> <li>1 COMBINATION LOCK L1031 LEVER w/ PA</li> </ul>	SSAGE OPTION	
	626	SIMP
<ul> <li>1 FLOOR / WALL STOP</li> </ul>	626	ROCK
SILENCERS BY FRAME MANUFACTURER		
HARDWARE SET - H9		
• 1.5 PAIR HINGES BB1279 4.5x4.5	626	HAGE
<ul> <li>1 HOLD OPEN CLOSER: 4040XP</li> </ul>	626	LCN
<ul> <li>1 PANIC BAR / EXIT DEVICE 99 SERIES</li> </ul>		VON I
<ul> <li>1 ENTRANCE LOCKSET 10-LINE J-LEVER</li> </ul>	626	SARG
	627	ASD
<ul> <li>2 KICKPLATE: 8400B4 32x34</li> </ul>	626	IVES
1 THRESHOLD 171A		PEMK
<ul> <li>1 PERIMETER SEAL 297AS</li> </ul>		PEMK

626

ALUM

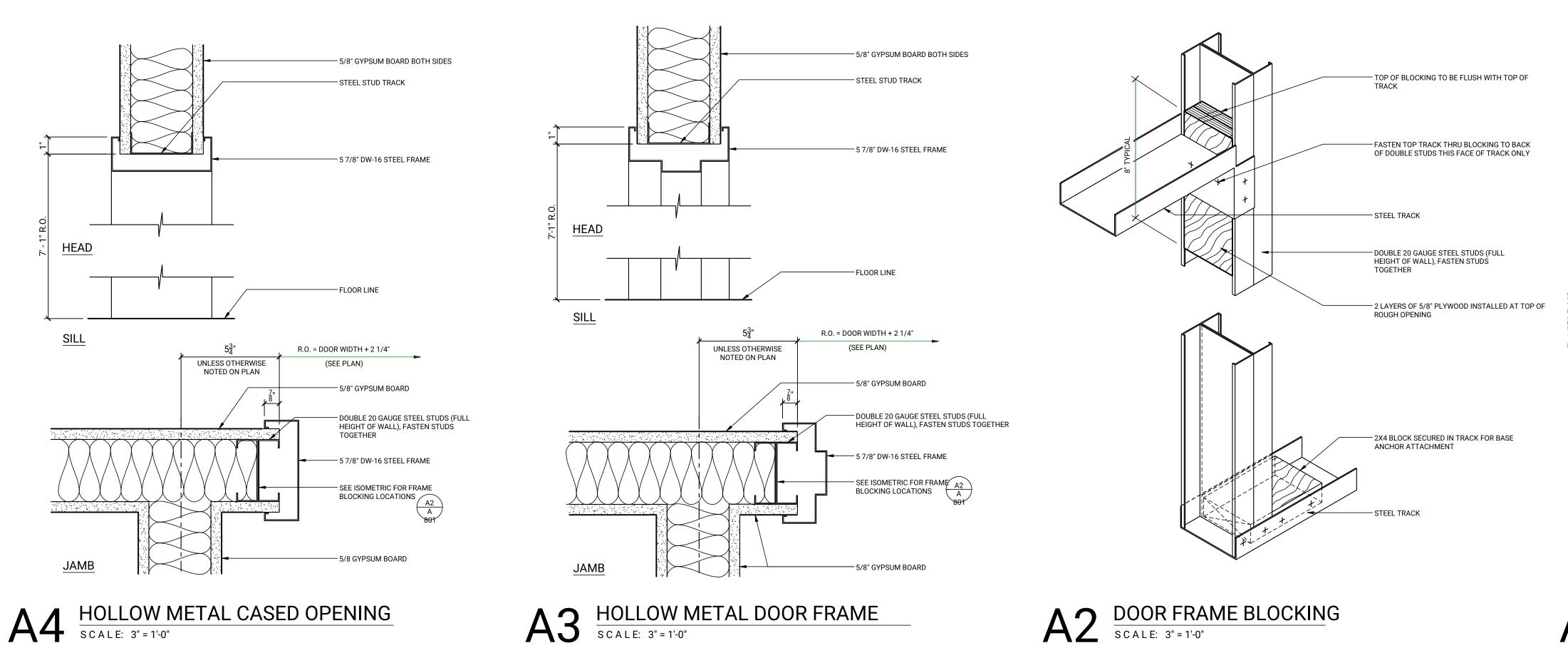
626

HARDWARE SET - H10 - (ANSI F81) • 1.5 PAIR HINGES BB1279 4.5x4.5

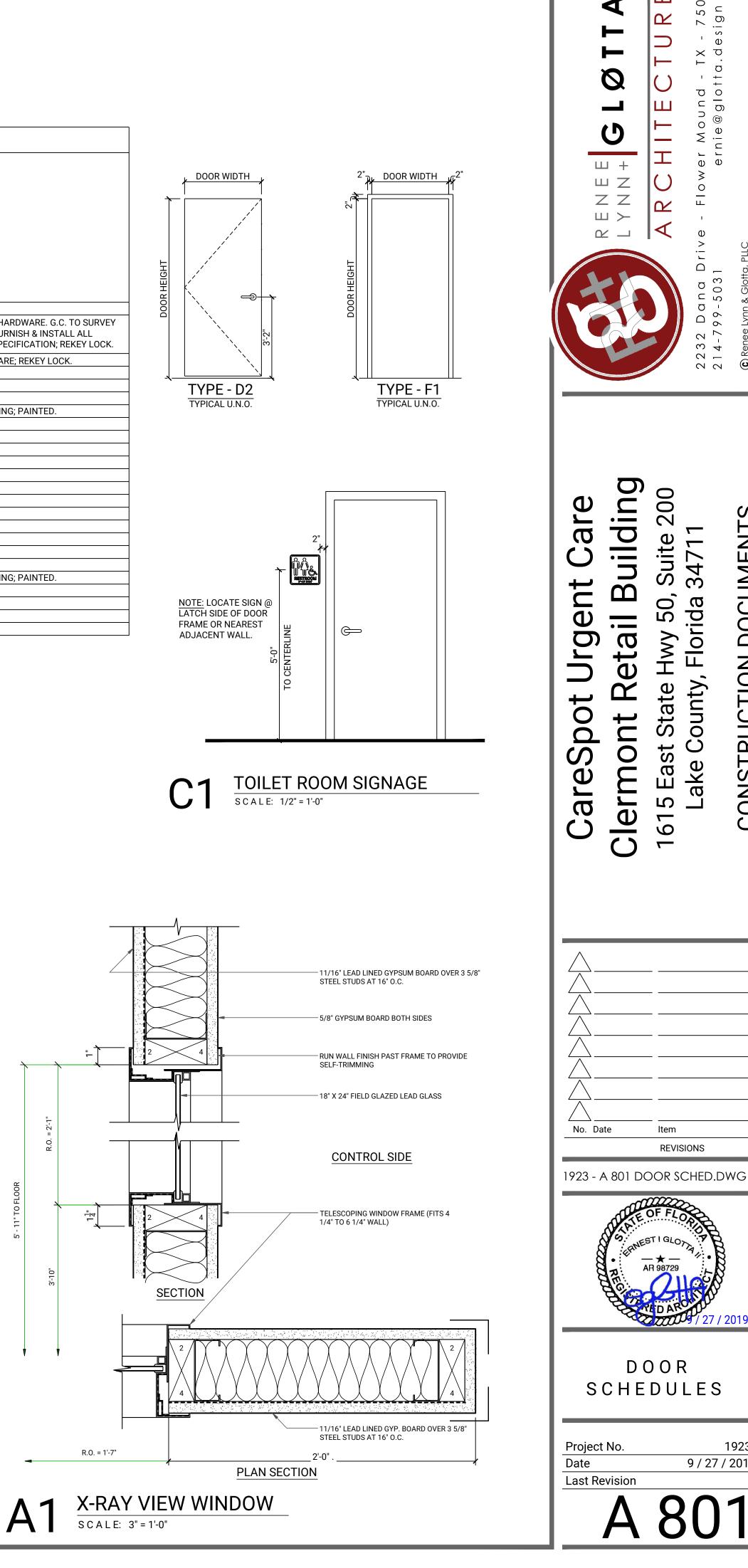
626 • 1 ENTRANCE/OFFICE LOCKSET 10-LINE J-LEVER 626

 1 THRESHOLD 171A • 1 PERIMETER SEAL 297AS

NOTE: CONTRACTOR TO REKEY ALL LOCKS ON DAY OF ACCEPTANCE/TU DELIVER SEVEN (7) SETS OF KEYS TO TENANT.



									DO	OR S	SCHE	EDU	LE			
				DOOR	SIZE			DOOR	MATER	IALS		FRAM	E MATE	RIALS		
HAGER SARGENT LCN ROCKWOOD	ER	NOL	GROUP				TION	LAMINATE U.N.O.	METAL		ATION	HOLLOW METAL U.N.O.			(MINUTES) U.N.O.	
HAGER SARGENT LCN	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 TYPICAL	HOLLOW		FRAME ELEVATION F1 - U.N.O.	PAINTED TYPICAL			FIRE RATING (MINUTES) NON-RATED U.N.O.	REMARKS
ROCKWOOD				> m				11	12			21				<u>щ</u>
HAGER	001	STOREFRONT ENTRANCE	H1	PR3'-0"	6'-8"	EXIST.	EXIST.			ALUM	EXIST.	EXIST.	ALUM			EXISTING DOOR, FRAME AND HARDWA EXISTING CONDITIONS AND FURNISH HARDWARE MISSING FROM SPECIFICA
SIMPLEX	002	REAR DOOR	H9	3'-0"	6'-8"	1-3/4"	D1		12	EXIST.	EXIST.	EXIST.	EXIST.			EXISTING DOOR AND HARDWARE; REK
ROCKWOOD	101	WAITING	H4	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				NON-LOCKABLE LATCHSET.
	102	WAITING	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				
HAGER	104	ADMIN TO CORRIDOR	N/A	3'-0"	7'-0"	N/A	N/A	N/A			F1	21				HOLLOW METAL CASED OPENING; PAI
LCN	105	I.T. CLOSET	H8	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
VON DUPRIN	107	STAFF TOILET	H5	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
SARGENT ASD	108	CENTRAL STORAGE	H6	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
IVES	109	EXAM 1	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
PEMKO	110	X - RAY	H3	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				SHIELDED DOOR & FRAME.
РЕМКО	112	EXAM 2	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
	113	HOUSEKEEPING	H6	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
	115	PROCEDURE	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
HAGER	116	STAFF LOUNGE	H4	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
SARGENT	117	EXAM 3	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
PEMKO	118	EXAM 4	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
РЕМКО	119	EXAM 5	H2	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				
	120	LAB	N/A	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				HOLLOW METAL CASED OPENING; PAIL
ANCE/TURNOVER AND	121	COLLECTION	H5	3'-0"	7'-0"	1-3/4"	D1	11			F1	21				



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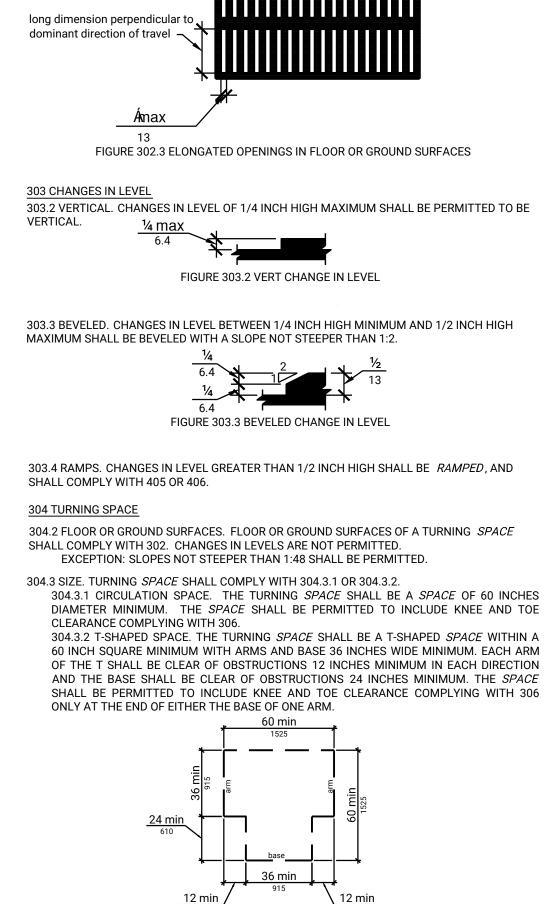
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PILE HEIGHT SHALL BE 1/2 INCH (13mm) MAX. EXPOSED EDGES OF CARPET SHALL BE

FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE

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

FIGURE 304.3.2 T-SHAPED TURNING SPACE

### 305 CLEAR FLOOR OR GROUND SPACE

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

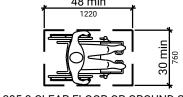
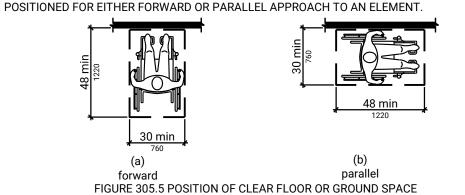


FIGURE 305.3 CLEAR FLOOR OR GROUND SPACE

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



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 DEPTH EXCEEDS 24 INCHES.

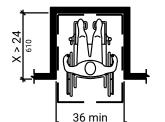
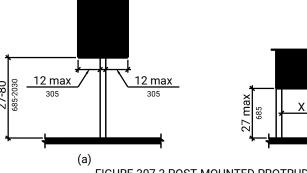


FIGURE 305.7.1 MANEUVERING CLEARANCE IN AN ALCOVE, FORWARD APPROACH

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. FIGURE 308.2.1 UNOBSTRUCTED FORWARD REACH

FIGURE 307.4 VERTICAL CLEARANCE



MINIMUM ABOVE THE FINISHED FLOOR OR GROUND.

308 REACH RANGES

FIGURE 307.3 POST-MOUNTED PROTRUDING OBJECTS

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.

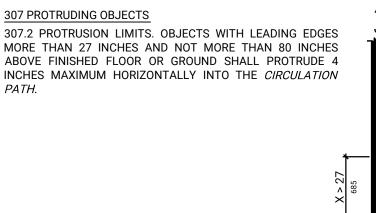
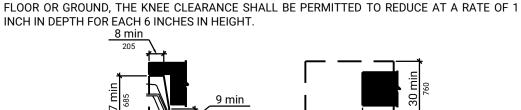
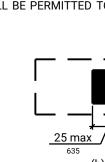


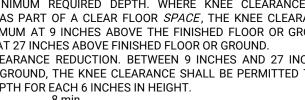
FIGURE 306.3 KNEE CLEARANCE



elevation

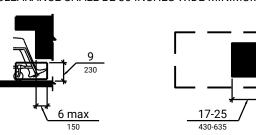
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306.3 KNEE CLEARANCE. 306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE FINISHED FLOOR OR GROUND. 306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR 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





(a) elevation (b) plan



306.2.5 WIDTH. TOE CLEARANCE SHALL BE 30 INCHES WIDE MINIMUM.

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.

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

306 KNEE AND TOE CLEARANCE

DEPTH EXCEEDS 15 INCHES.

FIGURE 305.7.2 MANEUVERING CLEARANCE IN AN ALCOVE, PARALLEL APPROACH

302 FLOOR OR GROUND SURFACES

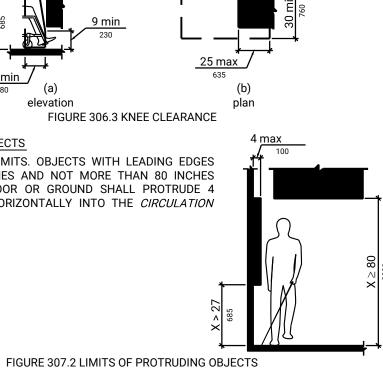
TO THE DOMINANT DIRECTION OF TRAVEL

EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 303.

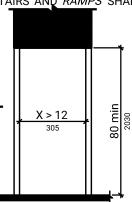
dominant direction of travel -

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



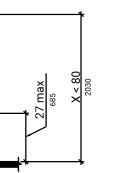


307.3 POST-MOUNTED OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS 12 INCHES MAXIMUM WHEN LOCATED 27 INCHES MINIMUM AND 80 INCHES MAXIMUM ABOVE FINISHED FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE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



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 LOCATED 27 INCHES MAXIMUM ABOVE THE FINISHED FLOOR OR GROUND. EXCEPTION: DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78 INCHES



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 MAXIMUM.

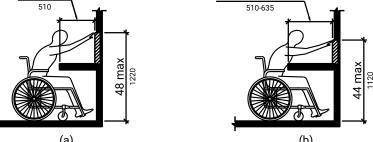


FIGURE 308.2.2 OBSTRUCTED HIGH FORWARD REACH

308.3 SIDE 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 FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

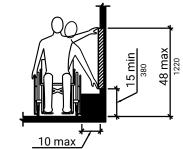
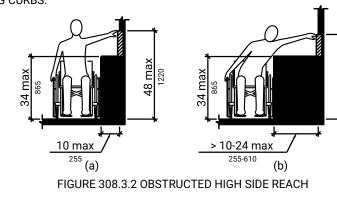


FIGURE 308.3.1 UNOBSTRUCTED SIDE REACH

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 EXISTING CURBS.



403 WALKING SURFACES 403.5 CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCES COMPLYING WITH 403.5

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 BEING PERFORMED. 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 36 INCHES WIDE MINIMUM.

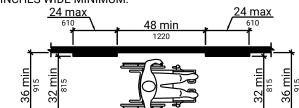
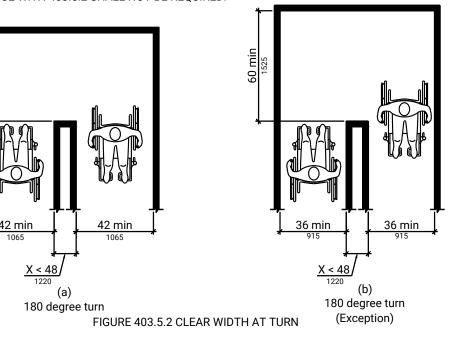


FIGURE 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

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 COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

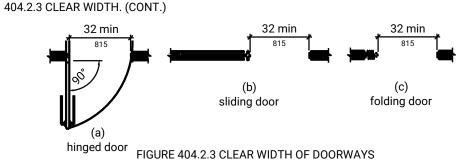


### 404 DOORS, DOORWAYS AND GATES

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 MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1.

TABLE 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES Tune of LL Minima

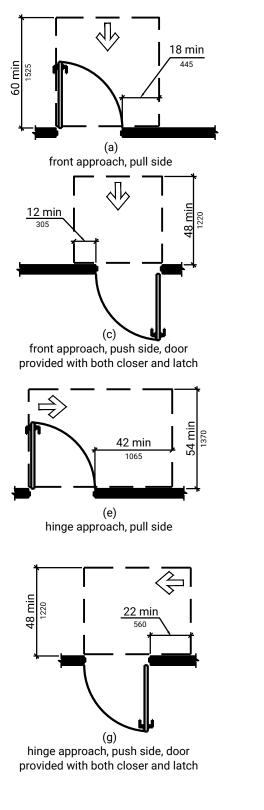
Туре о	f Use	Minimum Mane	uvering Clearance
Approach Direction	Door or Gate Side	Perpendicular to Doorway	Parallel to Doorway (beyond latch side unless noted)
From front	Pull	60 inches (1525 mm)	18 inches (455 mm)
From front	Push	48 inches (1220 mm)	0 inches (0 mm) <sup>1</sup>
From hinge side	Pull	60 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 $(1065 \text{ mm})^2$	22 inches $(560 \text{ mm})^3$
From latch side	Pull	48 inches $(1220 \text{ mm})^4$	24 inches (610 mm)
From latch side	Push	42 inches $(1065 \text{ mm})^4$	24 inches (610 mm)
1 1 1 1 2 1 (00)			

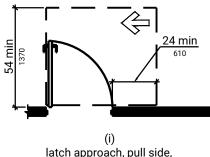
1. Add 12 inches (305mm) if closer and latch are provided.

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

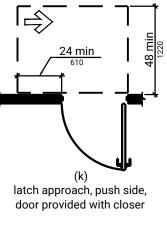
4. Add 6 inches (150mm) if closer is provided.

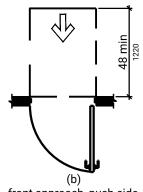
404.2.4.1 SWINGING DOORS AND GATES

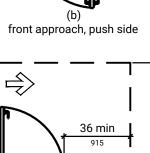




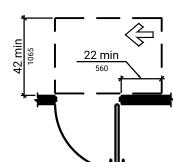
door provided with closer

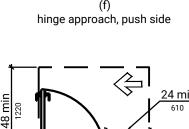




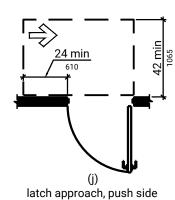


hinge approach, pull side





latch approach, pull side





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 404.2.4.2. 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 <sup>1</sup>	42 inches (1065 mm)	0 inches (0 mm)
From pocket/hinge side	42 inches (1065 mm)	22 inches (560 mm) <sup>2</sup>
From stop/latch side	42 inches (1065 mm)	24 inches (610 mm)
<ol> <li>Doorway with no door only.</li> <li>Beyond pocket/ hinge side.</li> </ol>		*

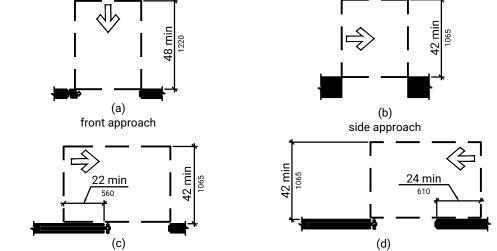
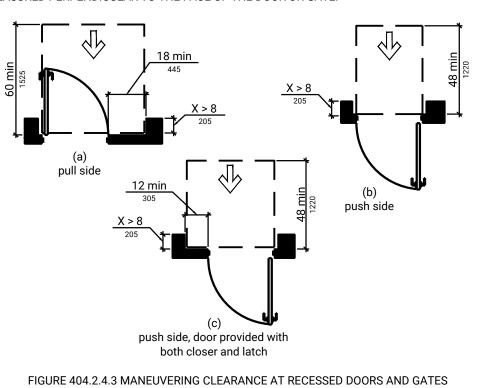


FIGURE 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES, AND FOLDING DOORS

pocket or hinge approach

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, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.

stop or latch approach



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.

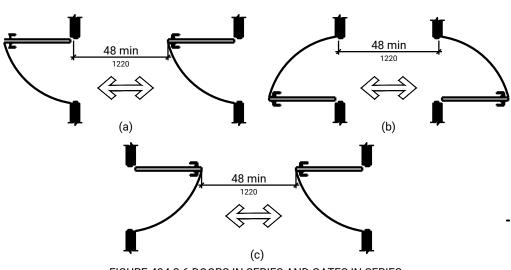
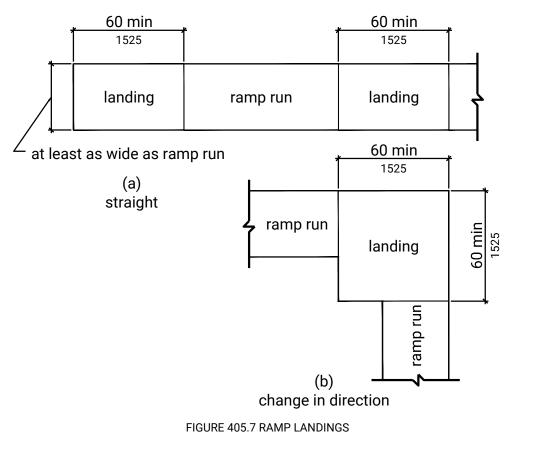


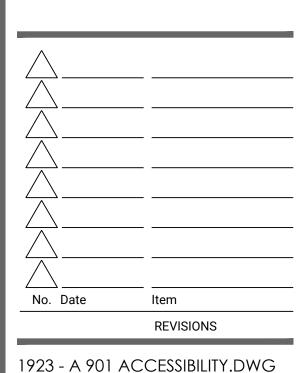
FIGURE 404.2.6 DOORS IN SERIES AND GATES IN SERIES

**405 RAMPS** 405.7 LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDINGS SHALL COMPLY WITH 405.7.



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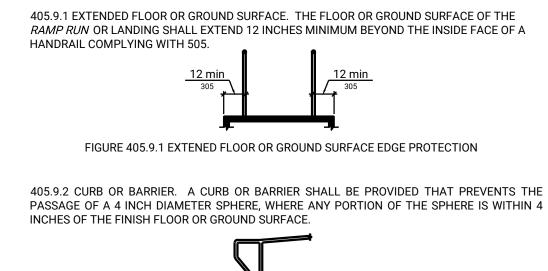
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rance Doorwa tch side 455 mm) 0 mm)<sup>1</sup> 15 mm) 065 mm) 560 mm)



PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4

FIGURE 405.9.2 CURB OR BARRIER EDGE PROTECTION

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

406 CURB RAMPS

slope -

1:12

SHALL BE AT THE SAME LEVEL.

adjoining surface maximum

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

407.2.3 HOISTWAY SIGNS. SIGNS AT ELEVATOR

HOISTWAYS SHALL COMPLY WITH 407.2.3.

DESIGNATIONS COMPLYING WITH 703.2 AND

703.4.1 SHALL BE PROVIDED ON BOTH JAMBS

OF ELEVATOR HOISTWAY ENTRANCES. FLOOR

DESIGNATIONS SHALL BE PROVIDED IN BOTH

TACTILE CHARACTERS SHALL BE 2 INCHES

HIGH MINIMUM. A *TACTILE* STAR SHALL BE

PROVIDED ON BOTH JAMBS AT THE MAIN

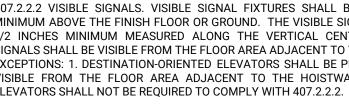
407.2.3.1 FLOOR DESIGNATION. FLOOR

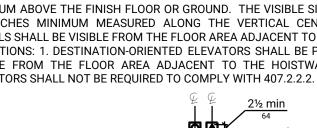
TACTILE CHARACTERS AND BRAILLE.

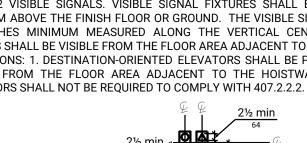
ENTRY LEVEL.

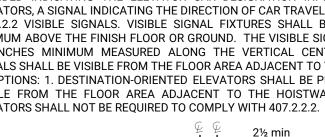
407 ELEVATORS

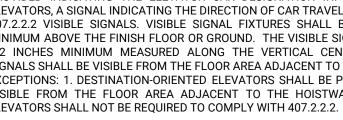
407.2.2.





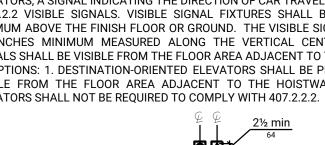




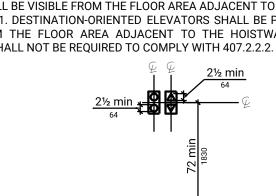


407.2.2.2 VISIBLE SIGNALS. VISIBLE SIGNAL FIXTURES SHALL BE CENTERED AT 72 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. THE VISIBLE SIGNAL ELEMENTS SHALL BE 2 1/2 INCHES MINIMUM MEASURED ALONG THE VERTICAL CENTERLINE OF THE ELEMENT. SIGNALS SHALL BE VISIBLE FROM THE FLOOR AREA ADJACENT TO THE HALL 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.

FROM THE FLOOR AREA ADJACENT TO THE HALL CALL BUTTONS.

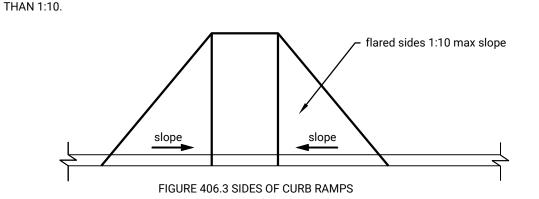


ELEVATORS, A SIGNAL INDICATING THE DIRECTION OF CAR TRAVEL SHALL NOT BE REQUIRED.



• curb ramp slope FIGURE 406.2 COUNTER SLOPE OF SURFACE ADJACENT TO CURB RAMPS

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 LANDING. EXCEPTION: IN ALTERATIONS, WHERE THERE IS NO LANDING AT THE TOP OF CURB

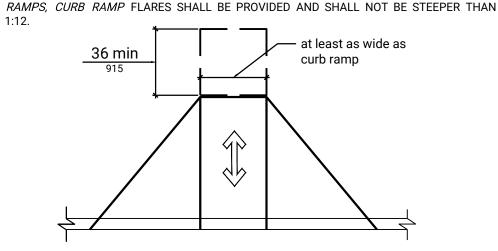


FIGURE 406.4 LANDINGS AT THE TOP OF CURB RAMPS

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.

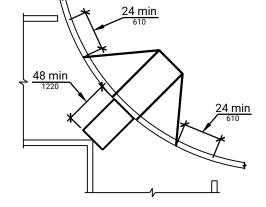


FIGURE 406.6 DIAGONAL OR CORNER TYP CURB RAMPS

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 OVERLAP.

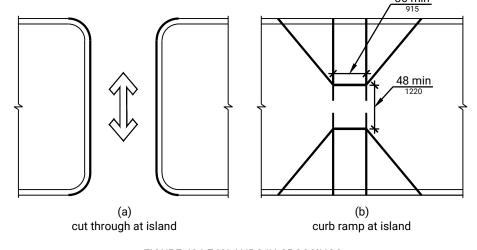


FIGURE 406.7 ISLANDS IN CROSSINGS

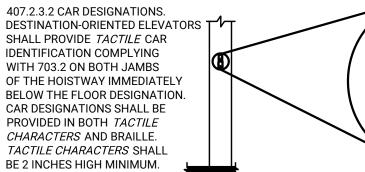
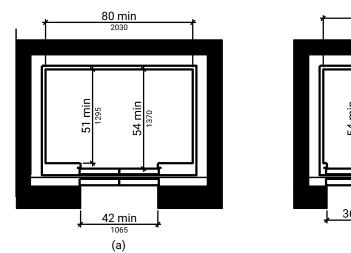


FIGURE 407.2.3.2 CAR DESIGNATION ON JAMBS OF DESTINATION-ORIENTATION ELEVATOR

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.



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 CLEAR

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.

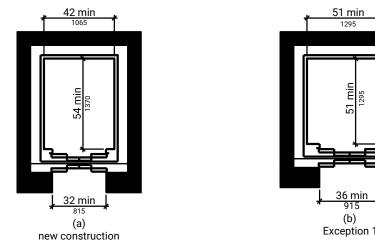


FIGURE 408.4.1 LIMITED-USE / LIMITED-APPLICATION (LULA) ELEVATOR CAR DIMENSIONS

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 DOORS OR GATES.

### 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

EXCEPTIONS: 1. VISIBLE AND AUDIBLE SIGNALS SHALL NOT BE REQUIRED AT EACH

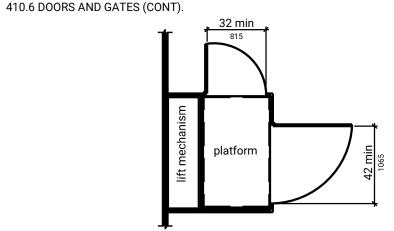
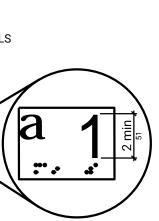
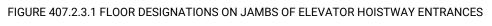
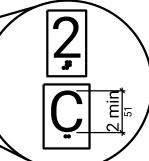


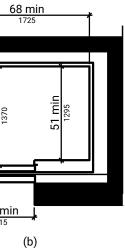
FIGURE 410.6 PLATFORM LIFT DOORS AND GATES

**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

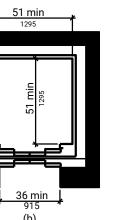








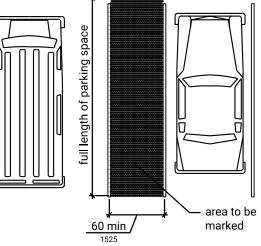
side (off-centered) door



WHERE THE ACCESS AISLE IS 96 INCHES WIDE MINIMUM.

FIGURE 502.2 VEHICLE PARKING SPACE

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 WIDF MINIMUM. 502.3.2 LENGTH. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THFY SFRVF

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

MINIMUM 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 THFM

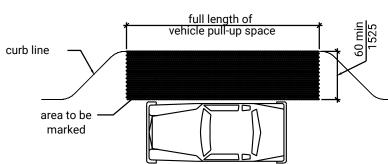


FIGURE 503.3 PASSENGER LOADING ZONE ACCESS AISLE

### 504 STAIRWAYS 504.1 GENERAL. STAIRS SHALL COMPLY WITH 504.

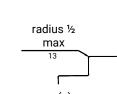
504.2 TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM.

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

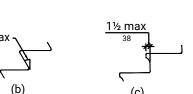
EXCEPTION: TREADS SHALL BE PERMITTED TO HAVE A SLOPE NOT STEEPER THAN 1:48. 504.5 NOSINGS. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO 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.

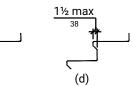
angled rise

FIGURE 504.5 STAIR NOSINGS

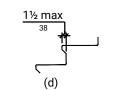


radius of tread edge (typical for all profiles)





curved nosing

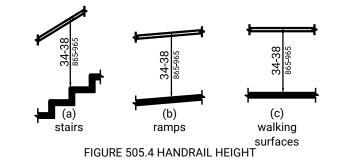


beveled nosing

05.2 WHERE REQUIRED. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS

- 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 WIDTH
- 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 AISI ES 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

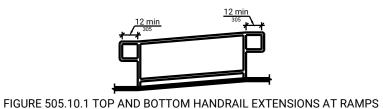
505.6 GRIPPING SURFACE. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOPS OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR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



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.

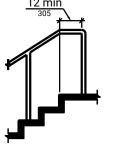


FIGURE 505.10.2 TOP HANDRAIL EXTENSION AT STAIRS

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.

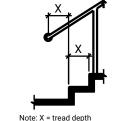


FIGURE 505.10.3 BOTTOM HANDRAIL EXTENSION AT STAIRS

602 DRINKING FOUNTAINS 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

FLOOR OR GROUND. 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.

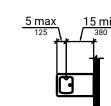
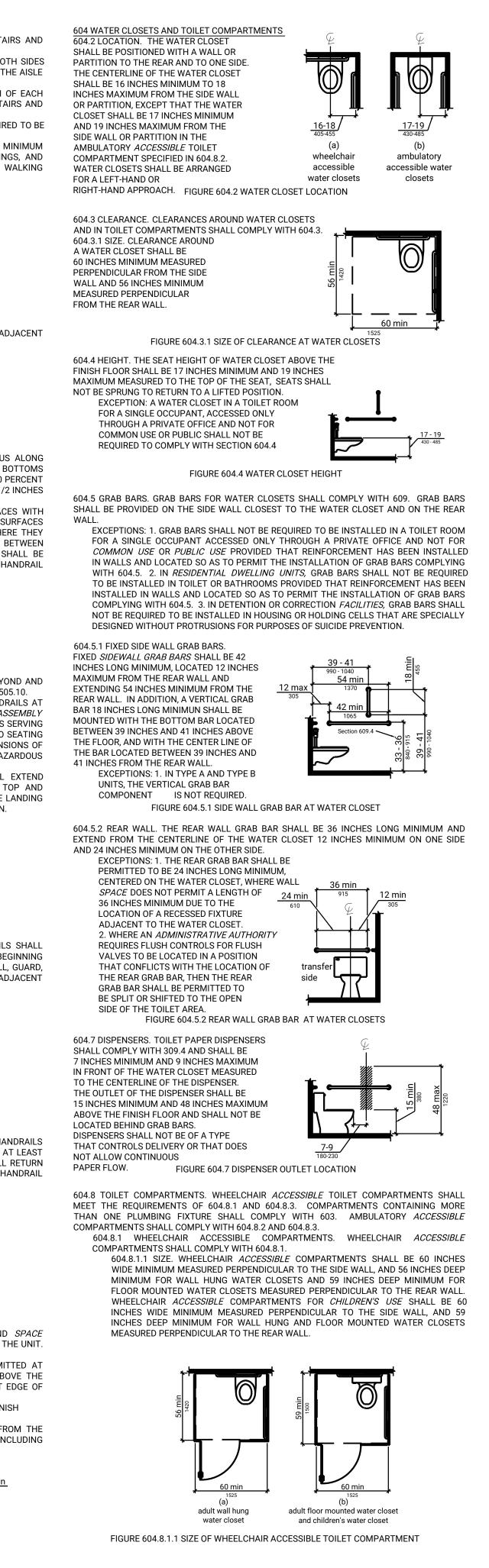
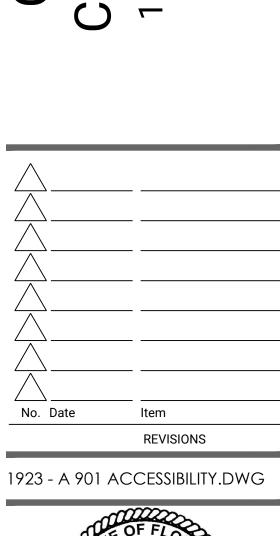


FIGURE 602.5 DRINKING FOUNTAIN SPOUT LOCATION







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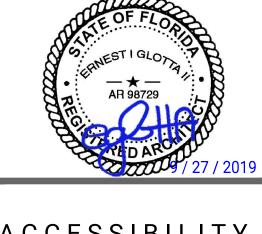
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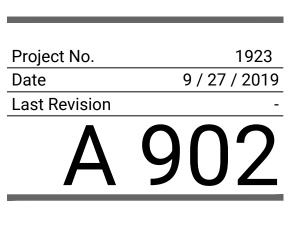
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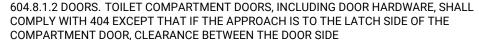
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# ACCESSIBILITY STANDARDS





OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 42 INCHES MINIMUM. DOORS SHALL BE LOCATED IN THE FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDE WALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION. THE DOOR SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH 404.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. TOILET COMPARTMENT DOORS SHALL NOT SWING INTO THE MINIMUM REQUIRED COMPARTMENT AREA.

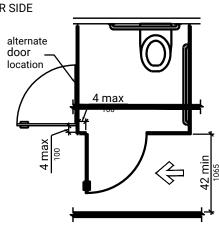
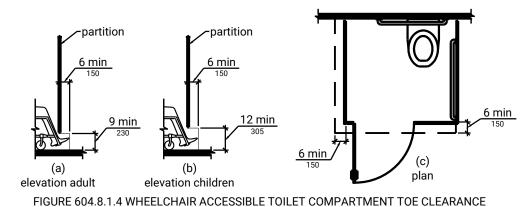


FIGURE 604.8.1.2 WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

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.



604.8.2.3 GRAB BARS. GRAB BARS SHALL COMPLY WITH 609. A SIDE-WALL GRAB BAR COMPLYING WITH 604.5.1 SHALL BE PROVIDED ON BOTH SIDES OF THE COMPARTMENT.

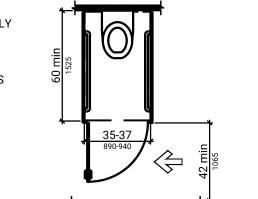


FIGURE 604.8.2 AMBULATORY ACCESSIBLE TOILET COMPARTMENT

605.2 HEIGHT AND DEPTH. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13 1/2 INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE.

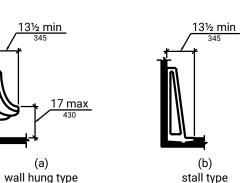


FIGURE 605.2 HEIGHT AND DEPTH OF URINALS

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.

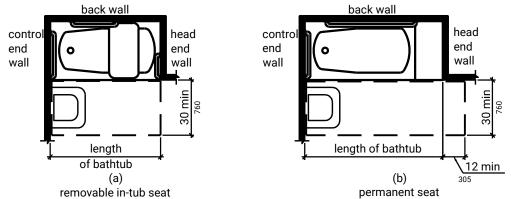


FIGURE 607.2 CLEARANCE FOR BATHTUBS

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
- 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.

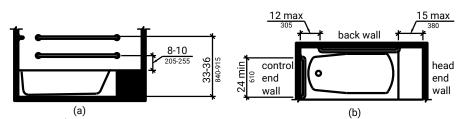


FIGURE 607.4.1 GRAB BARS FOR BATHTUBS WITH PERMANENT SEATS

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. 607.4.2.3 HEAD END WALL. A GRAB BAR 12 INCHES LONG MINIMUM SHALL BE INSTALLED ON THE HEAD END WALL AT THE FRONT EDGE OF THE BATHTUB.

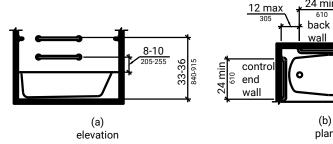
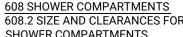


FIGURE 607.4.2 GRAB BARS FOR BATHTUBS WITH REMOVABLE IN-TUB SEATS

607.5 CONTROLS. CONTROLS, OTHER THAN DRAIN STOPPERS, SHALL BE control en LOCATED ON AN END WALL. CONTROLS SHALL BE BETWEEN THE BATHTUB RIM AND GRAB BAR, AND BETWEEN THE OPEN SIDE OF THE BATHTUB AND THE CENTERLINE OF THE WIDTH OF THE BATHTUB. CONTROLS SHALL COMPLY WITH 309.4. FIGURE 607.5 BATHTUB CONTROL LOCATION



SHOWER COMPARTMENTS SHALL HAVE SIZES AND CLEARANCES COMPLYING WITH 608.2. 608.2.1 TRANSFER TYPE SHOWER COMPARTMENTS. TRANSFER TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES BY 36 INCHES CLEAR INSIDE DIMENSIONS MEASURED AT THE CENTER POINTS wall OF OPPOSING SIDES AND SHALL HAVE A 36 INCH WIDE MINIMUM ENTRY ON THE FACE OF THE SHOWER COMPARTMENT. CLEARANCE OF 36 INCHES WIDE MINIMUM BY 48 INCHES LONG MINIMUM MEASURED FROM THE CONTROL WALL SHALL BE PROVIDED.

> Note: inside finished dimensions measured at the center points of opposing sides

FIGURE 608.2.1 TRANSFER TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

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 COMPARTMENT. 608.2.2.1 CLEARANCE. A 30 INCH WIDE MINIMUM BY 60 INCH LONG MINIMUM CLEARANCE SHALL BE PROVIDED ADJACENT TO THE OPEN FACE OF THE SHOWER COMPARTMENT. EXCEPTION: A LAVATORY COMPLYING WITH 606 SHALL BE PERMITTED ON ONE 30 INCH WIDE MINIMUM SIDE OF THE CLEARANCE PROVIDED THAT IT IS

NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE CONTROLS OR, WHERE PROVIDED, NOT ON THE SIDE OF THE CLEARANCE ADJACENT TO THE points of opposing sides SHOWER SEAT.

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

608.2.3 AITERNATE ROII-IN TYPE SHOWER COMPARTMENTS. ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENTS SHALL BE 36 INCHES WIDE AND 60 INCHES DEEP MINIMUM CLEAR INSIDE DIMENSIONS MEASURED AT CENTER POINTS OF OPPOSING SIDES. A 36 INCH WIDE MINIMUM ENTRY SHALL BE PROVIDED AT ONE END OF THE LONG SIDE OF THE COMPARTMENT.

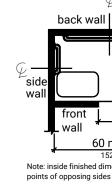


FIGURE 608.2.3 ALTERNATE ROLL-IN TYPE SHOWER COMPARTMENT SIZE AND CLEARANCE

608.3.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. WHERE A SEAT IS PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THE BACK WALL AND THE SIDE WALL OPPOSITE THE SEAT. GRAB BARS SHALL NOT BE PROVIDED ABOVE THE SEAT. WHERE A SEAT IS NOT PROVIDED IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, GRAB BARS SHALL BE PROVIDED ON THREE WALLS. GRAB BARS SHALL BE INSTALLED 6 INCHES MAXIMUM FROM ADJACENT WALLS.

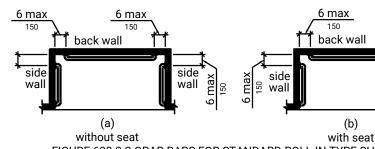


FIGURE 608.3.2 GRAB BARS FOR STANDARD ROLL-IN TYPE SHOWERS

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 WALLS.

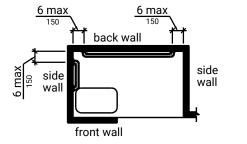
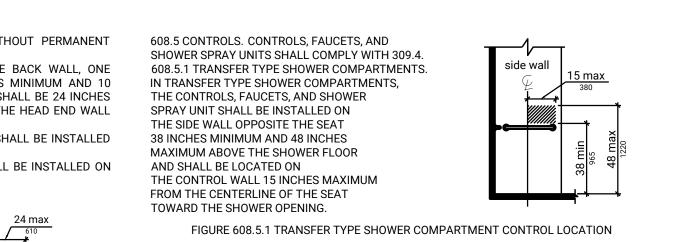
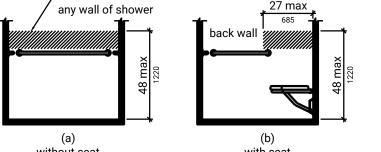


FIGURE 608.3.3 GRAB BARS FOR ALTERNATE ROLL-IN TYPE SHOWERS

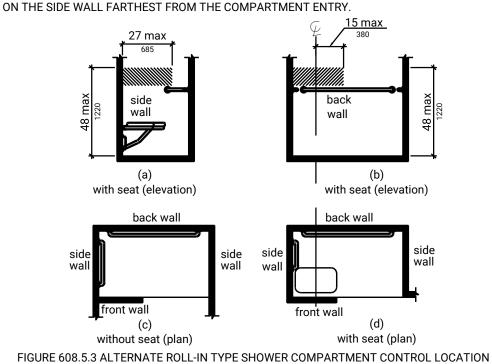


608.5.2 STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS. IN STANDARD ROLL-IN TYPE SHOWER COMPARTMENTS, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT SHALL BE LOCATED ABOVE THE GRAB BAR, BUT NO HIGHER THAN 48 INCHES ABOVE THE SHOWER FLOOR. WHERE A SEAT IS PROVIDED, THE CONTROLS, FAUCETS, AND SHOWER SPRAY UNIT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



without seat with seat 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



### GRAB BARS

2 INCHES MAXIMUM AND A

PERIMETER DIMENSION OF

4 INCHES MINIMUM AND

4.8 INCHES MAXIMUM.

609.1 GENERAL. GRAB BARS IN TOILET FACILITIES AND BATHING FACILITIES SHALL COMPLY WITH 609. 609.2 CROSS SECTION. GRAB BARS SHALL HAVE A CROSS SECTION 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

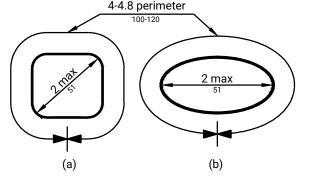


FIGURE 609.2.2 GRAB BAR NON-CIRCULAR CROSS SECTION

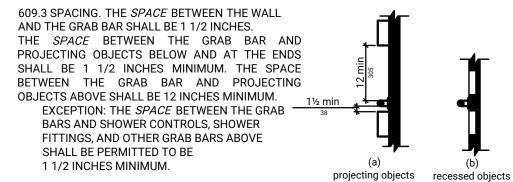
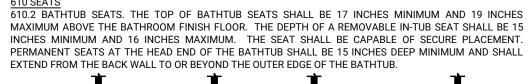


FIGURE 609.3 SPACING OF GRAB BARS 609.4 POSITION OF GRAB BARS. GRAB BARS SHALL BE INSTALLED IN A HORIZONTAL POSITION, 33 INCHES MINIMUM AND 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR MEASURED TO THE

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.



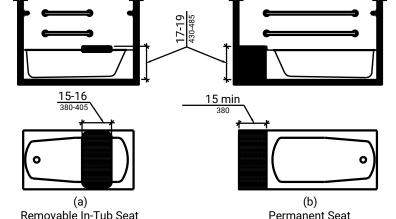


FIGURE 610.2 BATHTUB SEATS

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.

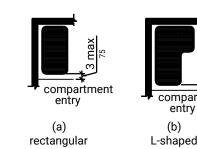


FIGURE 610.3 EXTENT OF SEATS

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.

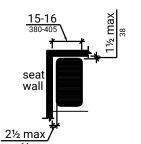
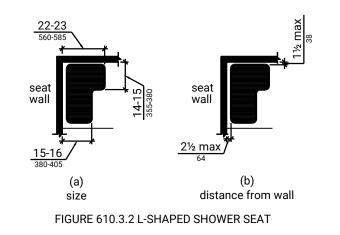


FIGURE 610.3.1 RECTANGULAR SHOWER SEAT

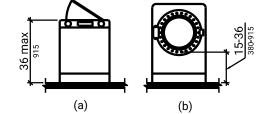
610.3.2 L-SHAPED SEATS. THE REAR EDGE OF AN L-SHAPED SEAT SHALL BE 2 1/2 INCHES MAXIMUM AND THE FRONT EDGE 15 INCHES MINIMUM AND 16 INCHES MAXIMUM FROM THE SEAT WALL. THE REAR EDGE OF THE "L" PORTION OF THE SEAT SHALL BE 1 1/2 INCHES MAXIMUM FROM THE WALL AND THE FRONT EDGE SHALL BE 14 INCHES MINIMUM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



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

703.1 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 "0" 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".

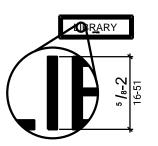


FIGURE 703.2.5 HEIGHT OF RAISED CHARACTERS

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.

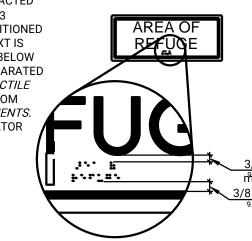
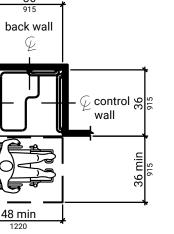
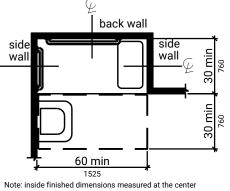
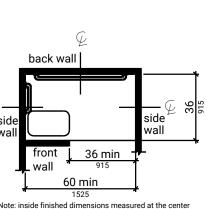


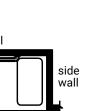
FIGURE 703.3.2 POSITION OF BRAILLE

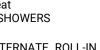












703.4.1 HEIGHT ABOVE FINISH FLOOR OR GROUND. TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF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

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

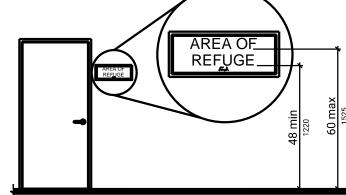
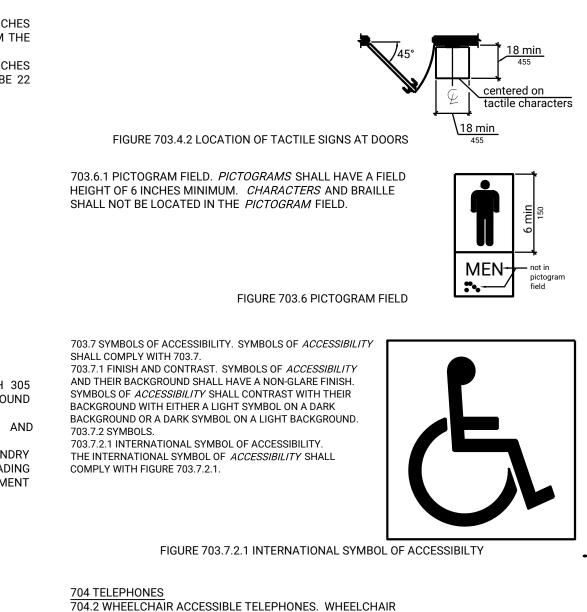


FIGURE 703.4.1 HEIGHT OF TACTILE CHARACTERS ABOVE FLOOR OR GROUND

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



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.

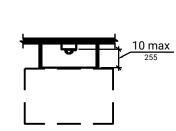


FIGURE 704.2.1.1 PARALLEL APPROACH TO TELEPHONE

302 WHEELCHAIR SPACES, COMPANION SEATS, AND DESIGNATED AISLE SEATS 802.1 WHEELCHAIR SPACES. WHEELCHAIR SPACES SHALL COMPLY WITH 802.1 802.1.1 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.

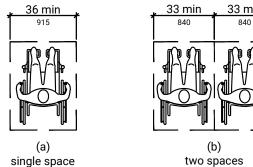


FIGURE 802.1.2 WIDTH OF WHEELCHAIR SPACES

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.

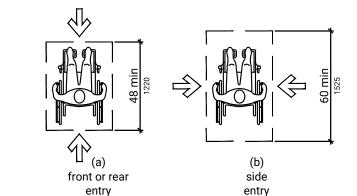


FIGURE 802.1.3 DEPTH OF WHEELCHAIR SPACES IN ASSEMBLY AREAS

RENEE       RENEE       BLØTTA         LYNN+       GLØTTA         LYNN+       GLØTTA         ZRCHITECTURE       Storen and - 1X - 75028         214-799-5031       ernie@glotta.design         ©Renee lynn & Gotto. PLC

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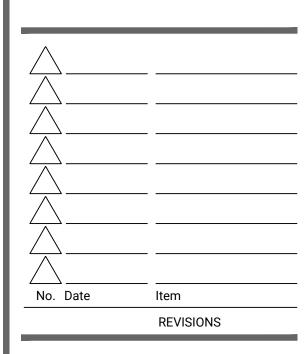
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# ACCESSIBILITY STANDARDS

