

Type Mark

1a

1c

Number

STANDARD DUTY HARDWARE (SATIN CHROME) WITH LEVERS.

Туре

Interior Partition -Demising

Interior Partition -wet wall

Name

Open Area

Toilet

CEILING HEIGHT TO BE 9'.0" AFF

nterior Partition-Metal Stud $\wedge$ 

Base Finish

None

6" rubber cove

Door Sched	lule				
	hardware type	Door type	Frame Type		
				1	
Latchset w/ lev closer	ver handles, strike plate, 1 1/2 pair hinges,	WD	HM		
			1	_	
					0
					0 M
HARDWARE SHALL ASKETING FOR NOTED. EXTERIOR					Summit,
EP AND KEYED ONS AND KEYING TO BE LEVER TYPE					un
TURNING FOR					0)

AND GROUP E OCCUPANCIES SHALL NOT HAVE A LOCK OR LATCH OTHER THAN PANIC HARDWARE. ALL DOOR THRESHOLDS SHALL BE A MAX. OF 1/2" ABOVE FLOOR LEVEL AND BOTH SIDES SHALL BE BEVELED AT A SLOPE OF 1:2. SCHLAGE OR EQUAL

GLASS IN DOORS AND SIDELIGHTS SHALL BE SAFETY GLASS PER IBC SEC. 2406.1

Wall Schedule

Type Comments 6" 20 ga. metal studs at 16" o.c. w/ 6" fiberglass batt insulation and (1) layer 5/8" gyp. board each side. To roof deck with slip track. See sheet A101.1 for one hour configuration. 3-5/8" Metal study @ 16" o.c. w/3 1/2" fiberglass batt insulation and (1) layer 5/8" gyp. board each side. To 6" above ceiling 6" metal studs at 16" o.c. w/ 6" fiberglass batt insulation and (1) layer 5/8" gyp. board each side. To 6" above ceiling

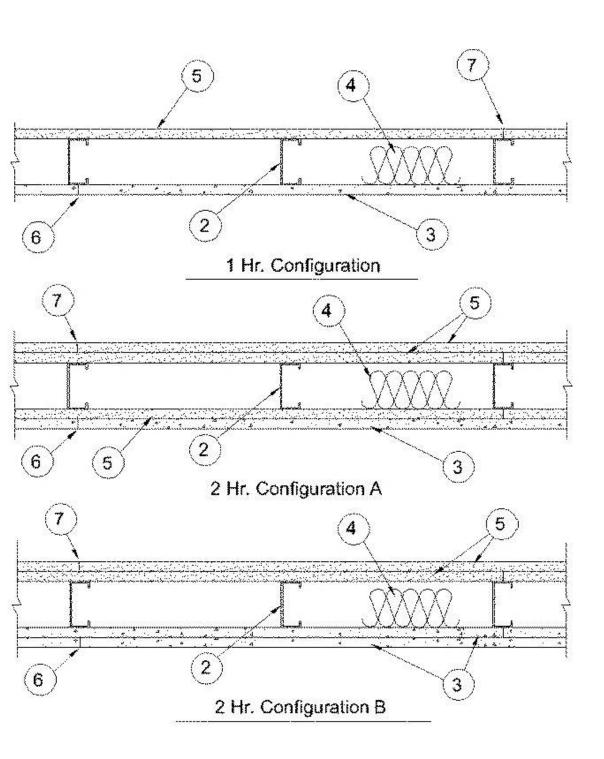
Room Schedule Floor Finish Ceiling Finish Wall Finish Painted gyp. b'd Concrete None VCT 2x4 Suspended Acoustical Epoxy Paint





13

UL Produ	ct <b>iQ</b> ™					
BXU	V.U404 -	- Fire-	-resistan	ce Rating	s - AN	ISI/UL 2
use of UL Authoritic Fire resist complian encounte When fiel manufact each proo and altern	Certified products, es Having Jurisdictio ance assemblies and ce with applicable re- red in the field. d issues arise, it is re- urer noted for the d	equipment, on should be d products a equirements ecommende lesign. Users ach group o nstruction.	consulted in all cas system, devices, and consulted before co re developed by the . The published info d the first contact fo of fire resistance as f assemblies. The Go	onstruction. e design submitter ar rmation cannot alway or assistance be the t ssemblies are advised uide Information inclu	requirements d have been i vs address eve echnical servic to consult the	nvestigated by UL ry construction nu e staff provided by general Guide Inf
			Ratings - /	ANSI/UL 26	3 Certif	ied for Ur
See General Inform	• Fire Resist nation for Fire-resistar Allowable Variances	nce Ratings -	<u> </u>	AN/ULC-S1	01 Cert	ified for C
Sector Labor Labor de	nation for Fire Resistar Allowable Variances	20100	Design N			
			Designin			
	licates such p	product	s shall bear t	and 2 Hr (See he UL or cUL	Certifica	tion Mark f
jurisdictio	ons employir	ng the U	IL or cUL Cei	tification (su	ch as Car	ada), respe
fastened w layer, faste screws spa in. from ba in widths o	ith 1 in. long screws ned with 1 in. long s ced max 16 in. OC to se layer joints. Joints ther than 48 in., gyp	spaced max screws space o studs and s in either la osum panels	(16 in. OC to studs ad max 12 in. OC to runners with screws yer need not be sta to be installed hori		er with an ove ce layers faste layer screws. the opposite	rlying cement boa ned with 1-5/8 in. Face layer joints o side of the wall. V
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fastened w layer, faste screws spa in. from ba in widths o CGC INC — and 7, optic UNITED ST, compound, USG BORA	ith 1 in. long screws ned with 1 in. long s ced max 16 in. OC to se layer joints. Joints ther than 48 in., gyp Types AR, C, IP-AR, IP nal for use with Type ATES GYPSUM CO — Items 6 and 7, option	spaced mai screws space o studs and s in either la osum panels P-X1, IP-X2, IF USGX). Type AR, C, I al for use wit — Types C, S es AR, C, IP-A	C16 in. OC to studs ad max 12 in. OC to runners with screws yer need not be sta- to be installed hori: C-AR, SCX, SHX, SGX RX-G, IP-AR, IP-X1, II h Type USGX).	and runners. Base lay studs and runners. Fa offset 8 in. from face ggered from joints or zontally. ULIX, ULX, USGX, WRC P-X2, IPC-AR, SCX, SHX,	er with an ove ce layers faste layer screws. the opposite or WRX (Joint ULIX, ULX, WR ULIX, ULX, WR	rdying cement boa ened with 1-5/8 in. Face layer joints of side of the wall. W tape and compound C, WRX, USGX (Joint ctional for use with 1
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fastened w layer, faste screws spa in. from ba in widths o <b>CGC INC</b> — and 7, optic <b>UNITED ST.</b> compound, <b>USG BORAL</b> <b>USG MEXIC</b> and 7, optic 5A. <b>Gypsun</b> attachmen Vertical join 1-1/4 in. lo <b>RAY-BAR E</b> 5B. <b>Gypsun</b> attachmen Vertical join 1-1/4 in. lo OC in the f	ith 1 in. long screws ned with 1 in. long s ced max 16 in. OC to se layer joints. Joints ther than 48 in., gyp Types AR, C, IP-AR, IP anal for use with Type <b>ATES GYPSUM CO</b> — Items 6 and 7, option <b>L DRYWALL SFZ LLC</b> <b>CO S A DE C V</b> — Type anal for use with Type <b>B Board*</b> — (As an t only) - Nom 5/8 in this centered over stung Type S-12 steel s <b>NGINEERING CORP</b> - <b>M Board*</b> — (As an t only). Nominal 5/8 ints centered over stung Type S-12 (or #6	spaced man screws space o studs and s in either la osum panels 2-X1, IP-X2, IF USGX). Type AR, C, I al for use wit — Types C, S es AR, C, IP-A USGX). alternate to . thick lead I uds and stag screws space — Type RB-LE alternate to in. thick lead alternate to in. thick lead by 1-1/4 in	<ul> <li>(16 in. OC to studs ad max 12 in. OC to runners with screws yer need not be sta to be installed hori: C-AR, SCX, SHX, SGX</li> <li>RX-G, IP-AR, IP-X1, IF h Type USGX).</li> <li>CX, SGX, USGX (Joint R, IP-X1, IP-X2, IPC-A)</li> <li>Item 5 may be used backed gypsum pan igered min 1 stud co d 8 in. OC at perime 3G</li> <li>Item 5 may be used d backed gypsum pan igered min 1 stud co d backed gypsum pan igered min 1 stud co long bugle head fin</li> </ul>	and runners. Base lay studs and runners. Fa offset 8 in. from face ggered from joints or contally. ULIX, ULX, USGX, WRC 2-X2, IPC-AR, SCX, SHX, tape and compound, It 8, SCX, SHX, ULX, USGX d as the base layer on els with beveled, squ avity on opposite side	er with an ove ce layers faste layer screws. or WRX (Joint ULIX, ULX, WR erns 6 and 7, op , WRC, WRX (Jo one or both s are or tapered es of studs. Wa the field.	rilying cement boa ened with 1-5/8 in. Face layer joints o side of the wall. W tape and compound C, WRX, USGX (Joint otional for use with 1 otional for use with 1 ont tape and compo sides of wall, For di edges, applied ve allboard secured to ides of wall, For di ed edges, applied allboard secured to
fastened w layer, faste screws spa in. from ba in widths o <b>CGC INC</b> — and 7, optic <b>UNITED ST.</b> compound, <b>USG BORAL</b> <b>USG MEXIC</b> and 7, optic SA. <b>Gypsun</b> attachmen Vertical join 1-1/4 in. lo <b>RAY-BAR E</b> SB. <b>Gypsun</b> attachmen Vertical join 1-1/4 in. lo OC in the f	ith 1 in. long screws ned with 1 in. long s ced max 16 in. OC to se layer joints. Joints ther than 48 in., gyp Types AR, C, IP-AR, IP anal for use with Type <b>ATES GYPSUM CO</b> — Items 6 and 7, option <b>L DRYWALL SFZ LLC</b> — <b>CO S A DE C V</b> — Type anal for use with Type <b>B Board*</b> — (As an t only) - Nom 5/8 in nts centered over stung Type S-12 steel s <b>NGINEERING CORP</b> – <b>M Board*</b> — (As an t only). Nominal 5/8 ints centered over stung Type S-12 (or #6 ield.	spaced man screws space o studs and s in either la osum panels 2-X1, IP-X2, IF USGX). Type AR, C, I al for use wit — Types C, S es AR, C, IP-A USGX). alternate to . thick lead I uds and stag screws space — Type RB-LE alternate to in. thick lead alternate to in. thick lead by 1-1/4 in	<ul> <li>(16 in. OC to studs ad max 12 in. OC to runners with screws yer need not be sta to be installed hori: C-AR, SCX, SHX, SGX</li> <li>RX-G, IP-AR, IP-X1, IF h Type USGX).</li> <li>CX, SGX, USGX (Joint R, IP-X1, IP-X2, IPC-A)</li> <li>Item 5 may be used backed gypsum pan igered min 1 stud co d 8 in. OC at perime 3G</li> <li>Item 5 may be used d backed gypsum pan igered min 1 stud co d backed gypsum pan igered min 1 stud co long bugle head fin</li> </ul>	and runners. Base lay studs and runners. Fa offset 8 in. from face ggered from joints or zontally. ULIX, ULX, USGX, WRC P-X2, IPC-AR, SCX, SHX, tape and compound, It R, SCX, SHX, ULX, USGX d as the base layer on els with beveled, squ avity on opposite side eter and 12 in. OC in anels with beveled, squ avity on opposite side	er with an ove ce layers faste layer screws. or WRX (Joint ULIX, ULX, WR erns 6 and 7, op , WRC, WRX (Jo one or both s are or tapered es of studs. Wa the field.	rlying cement boa ned with 1-5/8 in. Face layer joints o side of the wall. V tape and compound C, WRX, USGX (Join ptional for use with oint tape and compo sides of wall, For d edges, applied ve allboard secured to ides of wall, For d ed edges, applied
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screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. Type S-12 bugle head steel. **RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall

and an and a second second

6. Joints — Covered with glass fiber mesh tape and latex modified Portland cement mortar or basecoat, or Type I organic adhesive.

7. **Joints** — When tapered edge gypsum board is used, face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.

8. Vapor Retarder, Water Barrier or Weather Resistive Barrier — (Optional — Not shown) — As required.

9. Lead Batten Strips — (Not Shown, For use With Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud locations. Required behind vertical joints.

9A. Lead Batten Strips — (Not Shown, for use with Item 5C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of .0140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.5% meeting the Federal specification QQ-L-201f, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5) and optional at remaining stud locations.

10. Lead Discs or Tabs — (Not Shown, For use With Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".

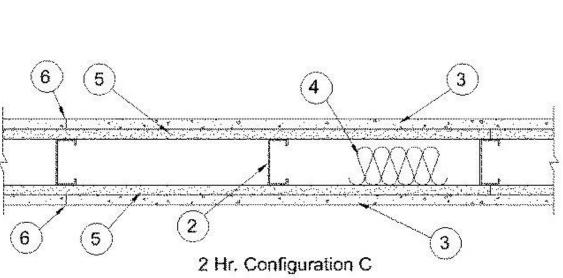
10A. Lead Discs — (Not Shown, for use with Item 5C) Max 5/16 in. diam by max 0.140 in. thick lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.5% meeting the Federal Specification QQ-L-201f, Grades "B, C or D".

11. Lead Batten Strips — (Not Shown, For Use With Item 5B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations.

12. Lead Tabs — (Not Shown, For Use With Item 5B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud folded back flange, and the back face of the stud. Tabs required at each location where a screw (that secures the gypsum boards, Item 5B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Last Updated on 2020-12-22



1. Steel Floor and Celling Runners — (Not Shown) — Channel shaped, 3-1/2 in, wide by 1-1/4 in, deep, fabricated from min 20 MSG (0.0329 in, min bare metal thickness) gelvanized steel. Attached to floor and celling with steel fasteners spaced 24 in. OC max.

2. Steel Stude — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3–1/2 in, min width, min 1-1/2 in, flanges and 1/4 in, return, spaced a max of 16 in, OC, Stude friction-fit into floor and ceiling runners. Stude to be cut 5/8 to 3/4 in, less than assembly height.

3. Comentitious Sector Units<sup>a</sup> — 1/2 in. or 5/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, chamfered, ribbed wafer head screws with a minimum head diameter of 400 inch. For nonbearing systems, fastened to studs and bottom runners with the uppermost screws placed 1/2 in. to 2 in. below the bottom edge of the leg of the top runner. Horizontal joints need not be backed by framing. 1 Hr System - Screws shall be min 1-1/4 in. long and spaced a max of 8 in. OC. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. 2-Hr System - For the base layer in Configuration 8, the screws shall be min 1-1/4 in. long and spaced a max of 12 in. OC. For the face layers, screws shall be 1-5/8 in. long and spaced a max of 8 in. OC. All face layer joints offset min 12 in. from underlying base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall.

UNITED STATES GYPSUM CO - Type DCB

4. Betts and Blanbets\* — Min 3 in. thick mineral wool insulation batts, friction-fitted between studs . INDUSTRIAL INSULATION GROUP L L C — Type SAFB

JOHNS MANYILLI — Type SAFB

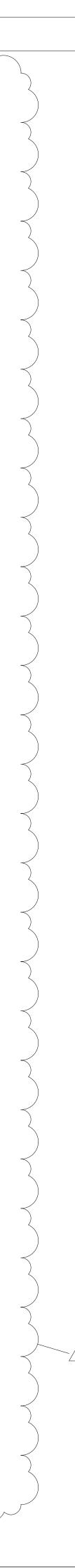
ROCKWOOL - Type AFB, min. density 1.8 pcf / 28.8 kg/m<sup>3</sup>

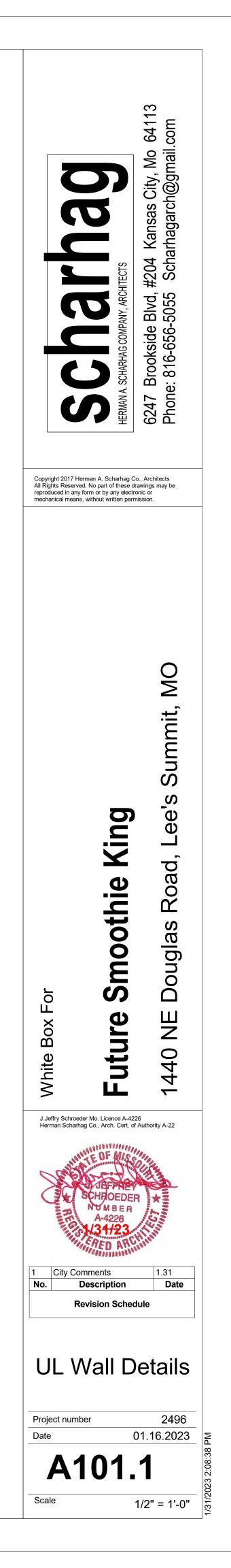
THERMAFIBER INC — Type SAFB, SAFB FF

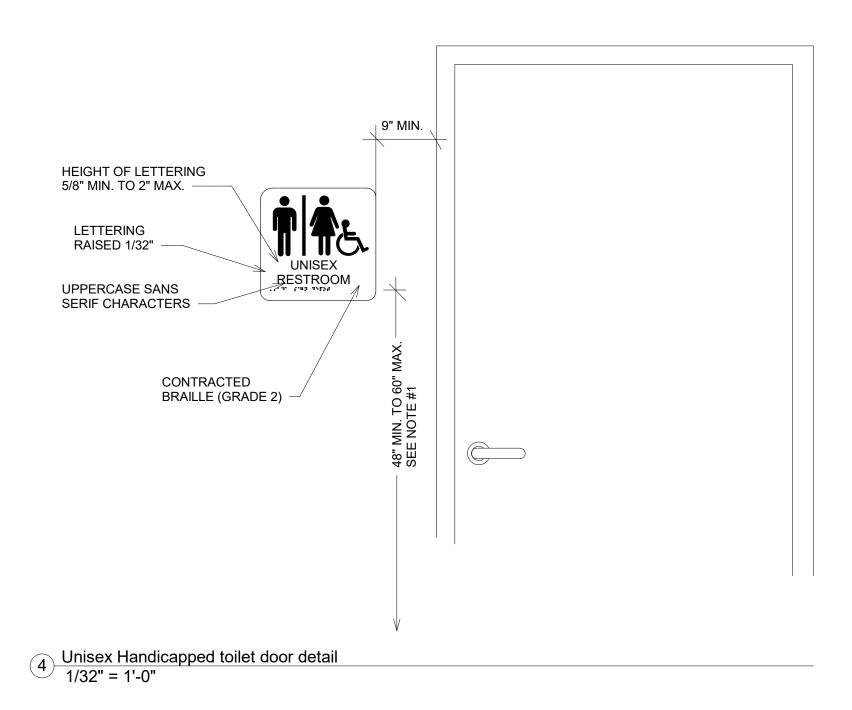
5. Gypsum Board\* — 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with Type S-12 screws. 1-Hr System - For vertical application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. 1-Hr System with ULDs fastened with 1 in. long screws, spaced 12 in. OC in the field and perimeter when panels are applied horizontal by or vertically. Vertical joints staggered one stud cavity from cement board vertical joints of studs. Horizontal edge joints and horizontal butt joints on opposite side of studs. Horizontal with 1 in. long screws, spaced 12 in. OC in the field and perimeter when panels are applied horizontal with and horizontal butt joints and horizontal joints on opposite side of studs. Horizontal edge joints and horizontal butt joints with 1 in. long screws, spaced 12 in. OC in the field and perimeter when panels are applied horizontal with 1 in. long screws from cement board vertical joints on opposite side of studes. Horizontal edge joints and horizontal butt joints with 1 in. long screws from cement board vertical joints on opposite side of studes. Horizontal edge joints and horizontal butt joints with 1 in.

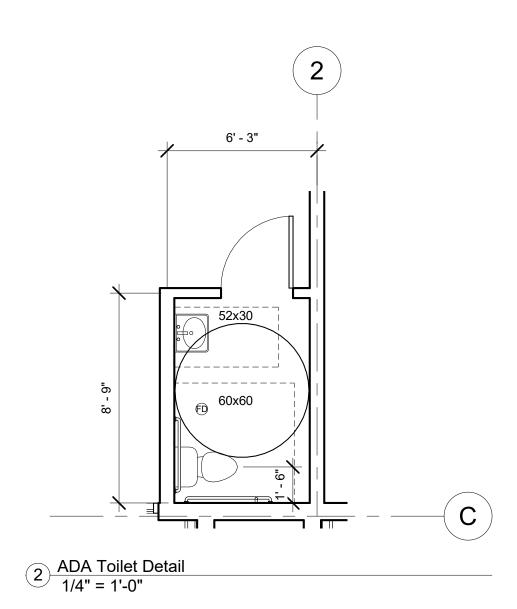
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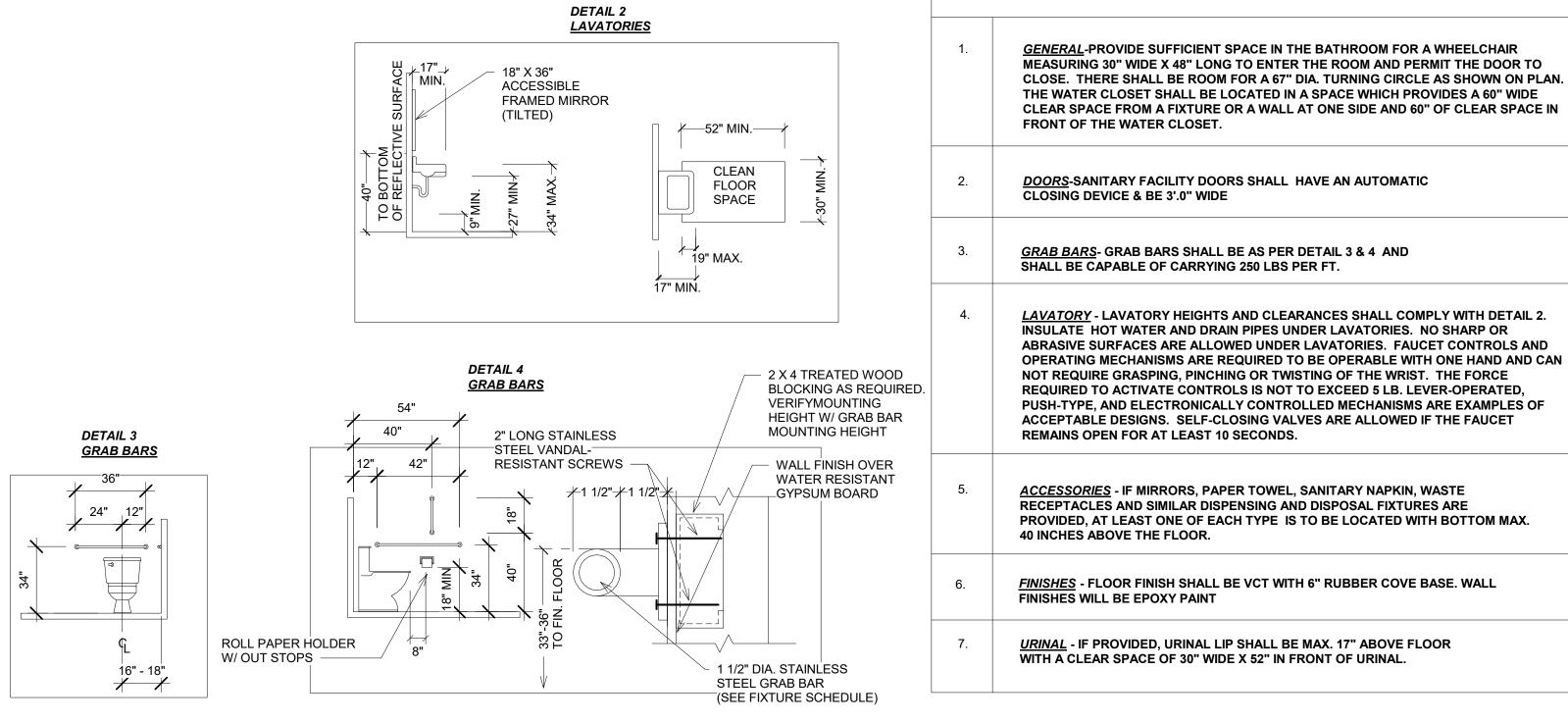
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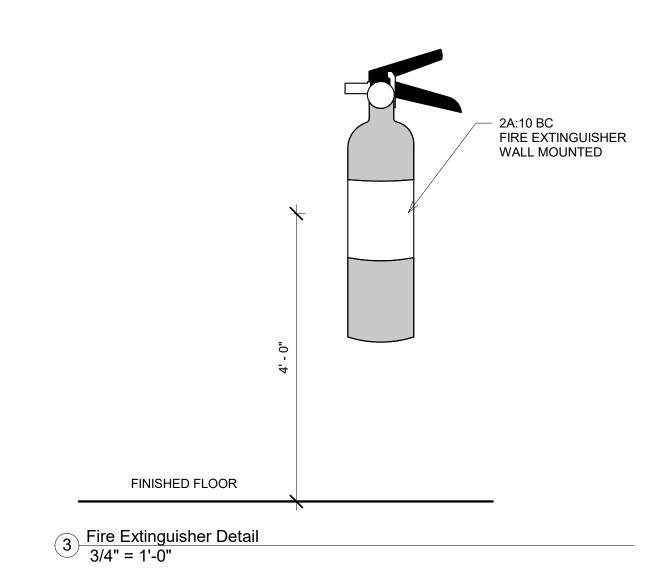








 $1 \frac{\text{ADA Toilet Details}}{1/4" = 1'-0"}$ 

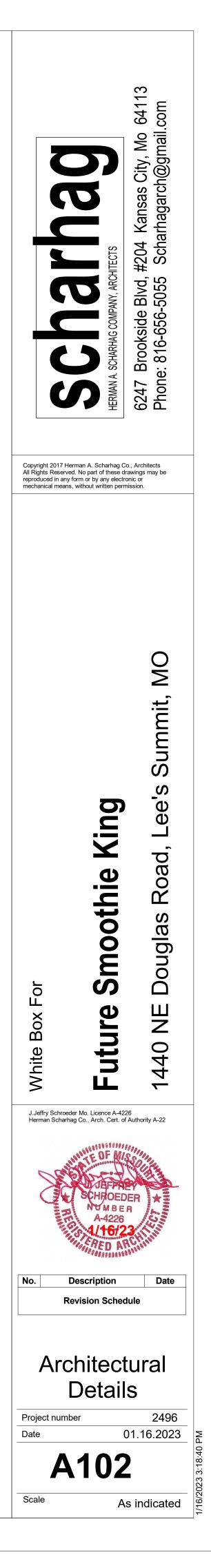


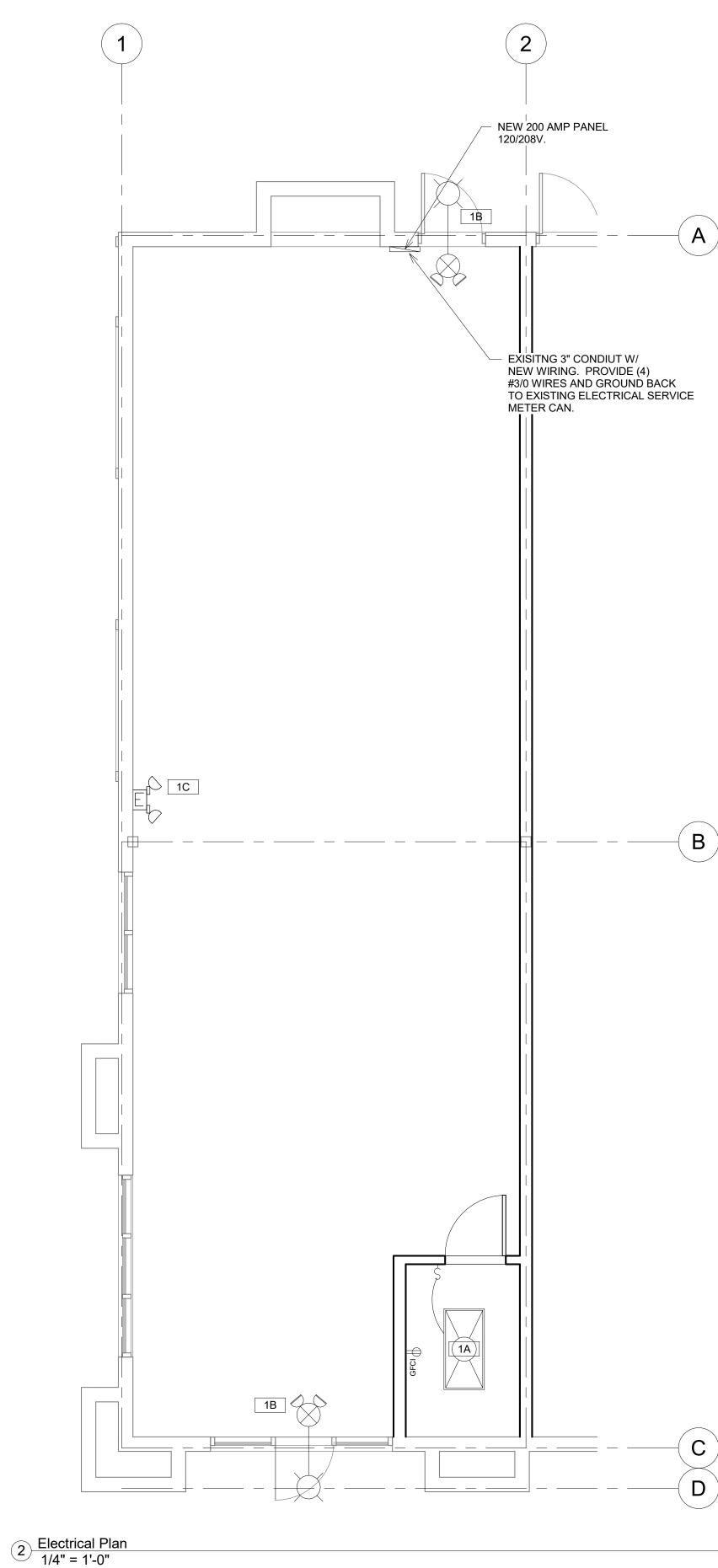
PROVIDED, AT LEAST ONE OF EACH TYPE IS TO BE LOCATED WITH BOTTOM MAX.

**<u>FINISHES</u>** - FLOOR FINISH SHALL BE VCT WITH 6" RUBBER COVE BASE. WALL

ICC/ANSI A117.1-2017

SANITARY FACILITIES





Ν	200	AMP	PANEL
12	0811		

Electrical Fixture Schedule					
Type Description Count					
Single GFCI 110 V. Duplex 1					
	110 V. Duplex outlet - GFCI	1			
Single Switch Switch (42" aff) 1					

Lighting Fixture Schedule					
Type Mark	Туре	Type Comments	Count		
1A	Lithonia LED Recessed Troffer	EPANL-2X4-5400L-80CRI-40K-MIN10-ZT-MVOLT, 40 WATT	1		
1B	Exit Light- Exterior	Combo exit and emergency LED light w/ remote exterior head. All with 90 min. battery backup. With remote head	2		
1C	Emergency Light	Two sealed beam lamps, LED w/ battery backup with 90 minute miminum operation on battery, battery charger, battery test button and light. 120 volt. Wall mounted	1		

# ELECTRICAL NOTES:

ALL ELECTRICAL LIGHT AND POWER WIRE SHALL NOT BE SMALLER THAN #12 AWG. ALL LIGHTING AND POWER WIRING #10 AWG AND SMALLER SHALL BE SOLID. ALL CONDUCTORS SHALL BE COPPER ONLY. NO ALUMINUM IS ALLOWED

ALL CONDUITS SHALL BE SIZED IN ACCORDANCE WITH THE LATEST NEC TABLES. MINIMUM CONDUIT SIZES SHALL BE ¾". ALL CONDUIT IN AND UNDER FLOOR SLAB SHALL BE SCHEDULE 40 PVC

ALL POWER WIRING IN ALL AREAS SHALL BE IN EMT CONDUIT, BOTH IN WALLS AND THROUGH EXPOSED JOISTS. MC CABLE AND ARMORED CABLE ARE ALSO ALLOWABLE IN AREAS WHERE CONDUITS ARE NOT EXPOSED

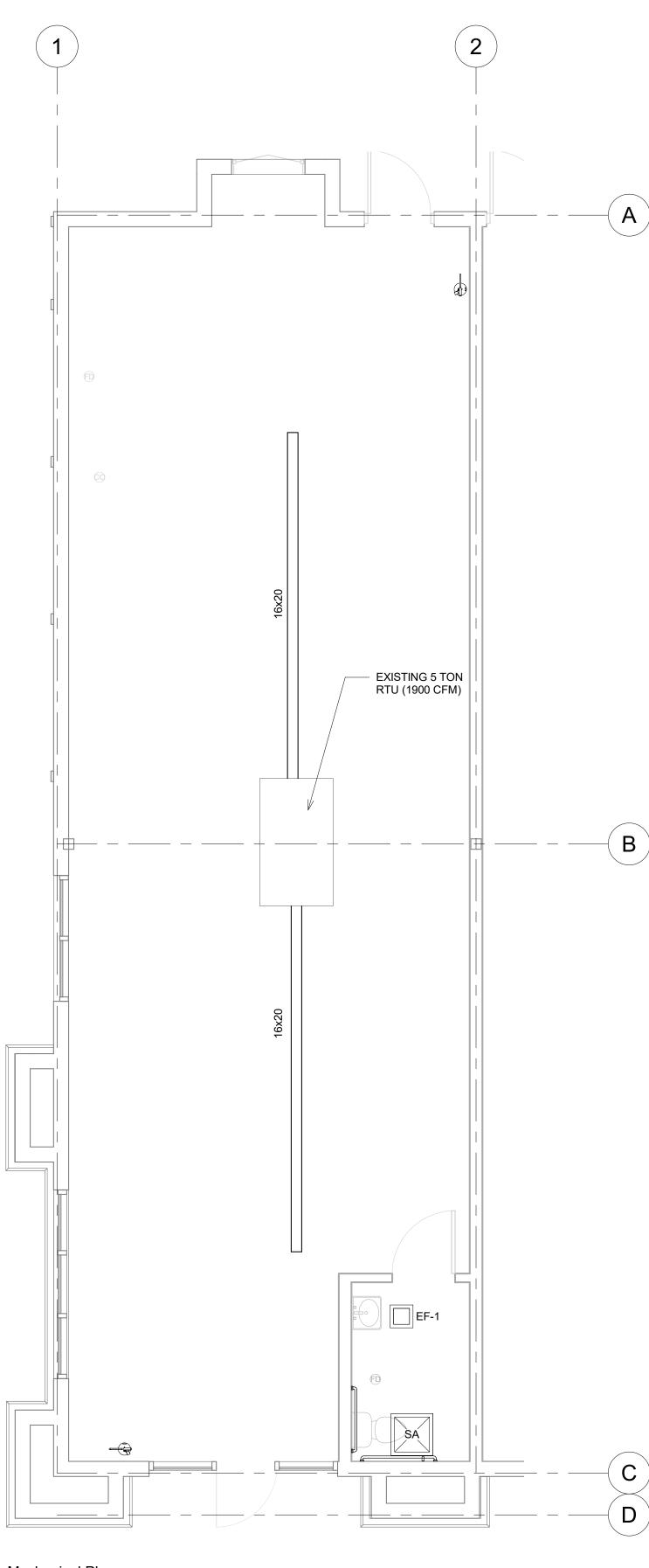
ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT, FOR WORK DESIGNATED AS HIS RESPONSIBILITY, ALL WIRE, WIRE WAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR AS THOUGH FULLY SHOWN AND SPECIFIED. ALL LABOR, TOOLS, MATERIALS, EQUIPMENT SHALL BE PROVIDED AS NECESSARY TO PROVIDE AND INSTALL A COMPLETE SYSTEM. ALL WORK SHALL BE PER CURRENT CODE. COORDINATE ALL WORK WITH OTHER TRADES

ELECTRICAL CONTRACTOR SHALL CIRCUIT FIXTURES AND SHALL PROVIDE AND INSTALL CIRCUIT DIRECTORY WITH TYPED CIRCUIT DESIGNATION CARD UNDER PLASTIC COVER ON THE INSIDE OF EACH PANEL DOOR. ELECTRICAL CONTRACTOR SHALL ALSO FURNISH AND INSTALL NAMEPLATES ON ALL DISCONNECT SWITCHES AND PANEL BOARDS

ALL CONDUIT, JUNCTION BOXES, ETC. ABOVE CEILINGS SHALL BE SUPPORTED FROM STRUCTURE

ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER WIRING, ALL CONTROL WIRING AND ALL STARTERS, DISCONNECTS AND THERMAL OVERLOAD SWITCHES NOT SUPPLIED WITH THE EQUIPMENT

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2 Mechanical Plan 1/4" = 1'-0"

# <u>HVAC NOTES</u>

MAIN DUCTWORK SHALL BE STEEL GALVANIZED SEALED AIR TIGHT.

SHEET METAL GUAGES SHALL BE PER SMACNA AND NO LESS THAN 24 GA. INSULATED DUCTS WITH ½" - 3# INSULATION. DO NOT LINE TOILET/SHOWER EXHAUST DUCTS. GRILLES AND DIFFUSERS SHALL BE TITUS, TUTTLE & BAILEY OR EQUAL. SEE ARCHITECTURAL OR ELECTRICAL DRAWINGS FOR CEILING GRID.

ALL SHALL BE 4-WAY. FLEX BRANCH CONNECTIONS SHALL HAVE INSULATED FLEX DUCT, SPIN COLLARS WITH ADJUSTABLE DAMPER AND 90 DEGREE ELL AT DIFFUSER TO PREVENT KINKS, IN BOTH SUPPLY AND RETURN.

COORDINATE ALL WORK WITH OTHER TRADES. ALL WORK SHALL COMPLY WITH CURRENT BUILDING CODE LISTED IN THE CODE ANALYSIS. ENTIRE SYSTEM SHALL BE TESTED AND BALANCED AT COMPLETION OF WORK.

ALL FLUES FROM GAS FIRED EQUIPMENT SHALL BE TYPE B DOUBLE METAL WALL TYPE WITH GALVANIZED EXTERIOR SHELL AND ALUMINUM INTERIOR LINER AS MANUFACTURED BY METALBESTOS OR EQUAL. ALL FLUES SHALL BE KEPT AT LEAST 1" FROM COMBUSTIBLE MATERIALS.

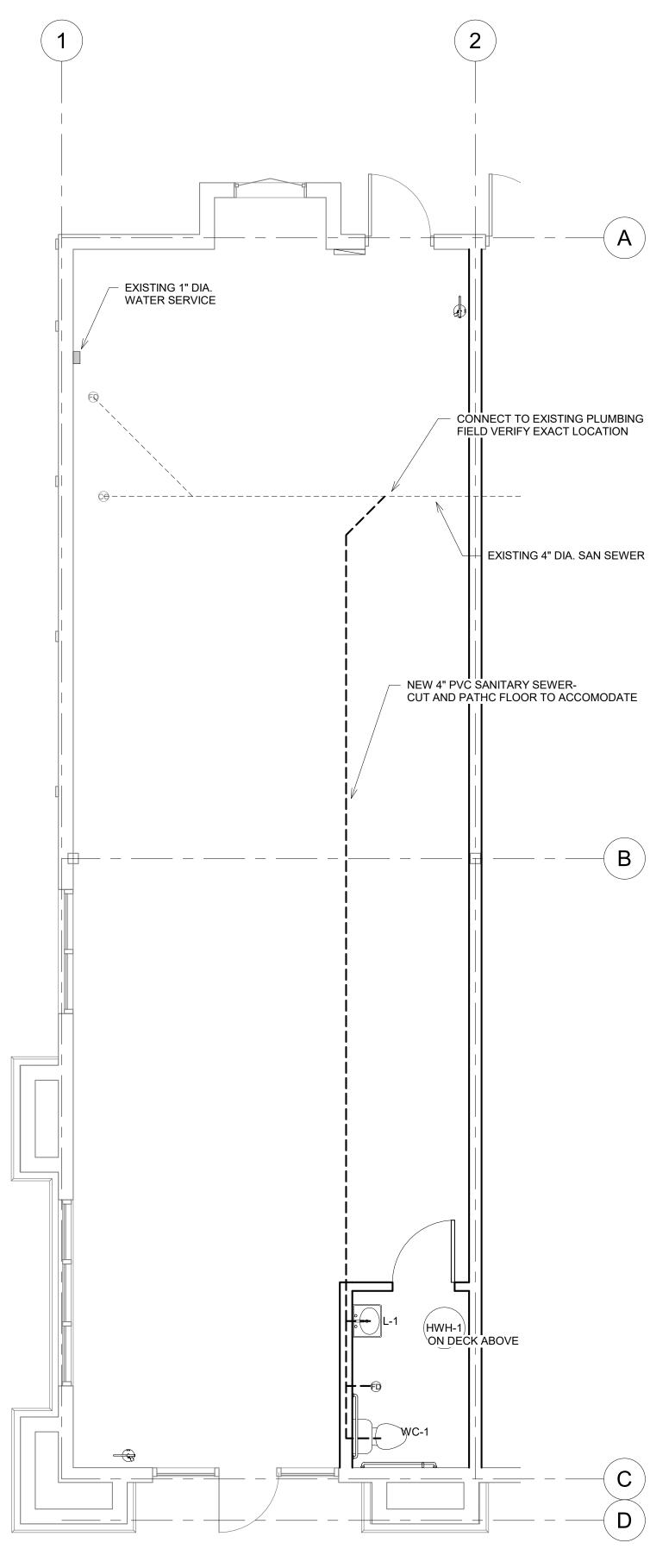
FLEX DUCT SIZES (MAX. 8' RUN)

500 – 600 CFM 12" DIA. FLEX 400 CFM 10" DIA. FLEX 300 – 200 CFM 8" DIA. FLEX 100 – 150 CFM 6" DIA. FLEX

	Mechanical Equipment Schedule					
Type Mark	Туре	Type Comments				
EF-1	75 CFM Exhaust Fan	Broan ceiling mounted exhaust fan rated at 75 CFM. Provide 4" dia through roof with weatherhood and birdscreen. switch with lights.				
SA	24" x 24"Supply	As Located per plans				

Count dia. duct 1





2 Plumbing Plan 1/4" = 1'-0"

$\frown$	
<b>A</b> )	

( B )

### Type Mark Туре Floor Drain Anco #FD-1000-ER. Extended rim drain w/ lacquered allcast iron body. serrated clamping flange w/ integral FD shown on plans. HWH-1 Electric Water Heater L-1 Lavatory WC-1 Toilet

### PLUMBING NOTES:

PIPING DRAWINGS ARE SCHEMATIC ONLY. PLUMBING CONTRACTOR TO DETERMINE EXACT ROUTING AND LOCATIONS OF ALL PIPING ON JOB SITE IN COMPLETE COORDINATION WITH ALL OTHER TRADES INVOLVED. HE SHALL ALSO VERIFY EXACT FLOOR PLAN LAYOUT, FIXTURE LOCATIONS, STRUCTURAL CONDITIONS AND ALL DIMENSIONS ON ARCHITECTURAL DRAWINGS.

PROVIDE ALL FIXTURES SHOWN ON THE DRAWINGS, COMPLETE WITH HOT AND COLD WATER, WASTE AND VENT CONNECTIONS AS REQUIRED. EACH FIXTURE SHALL HAVE SHUTOFF VALVES FOR HOT AND COLD WATER. HOT AND COLD WATER LINES TO HAVE WATER HAMMER ARRESTOR CONFORMING TO ASSE 1010. PIPING SHALL BE INSTALLED PROPERLY TO ELIMINATE CROSS CONTAMINATION OR SIPHONING OF WASTE MATERIAL INTO THE SUPPLY WATER SYSTEM. PIPING SHALL BE PITCHED TO VENT AND/OR DRAIN. VERIFY EXACT LOCATIONS AND REQUIREMENTS BEFORE BEGINNING THE INSTALLATION.

ALL SINKS AND SHOWERS TO HAVE MIXING VALVE W/ LOW TEMPERATURE CUTOFF.

ALL VENTS SHALL BE INCREASED TO A MIN. OF 3" BEFORE PASSING THROUGH THE ROOF.

THOROUGHLY CLEAN ALL ITEMS BEFORE INSTALLATION. CAP PIPE OPENINGS TO EXCLUDE DIRT UNTIL FIXTURES ARE INSTALLED AND FINAL CONNECTIONS HAVE BEEN MADE. SET FIXTURES LEVEL AND IN PROPER ALIGNMENT. INSTALL SILICONE SEALANT BETWEEN FIXTURES AND ADJACENT MATERIAL FOR SANITARY JOINT.

TEST WATER SYSTEM UNDER 150 PSIG HYDROSTATIC PRESSURE FOR FOUR HOURS MINIMUM. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT CODE.

PIPING MATERIALS:

DOMESTIC WATER BELOW GRADE: TYPE 'K' SOFT TEMPER COPPER WITH FLARE FITTING CONNECTIONS, EXCEPT NO FITTINGS TO BE USED BELOW FLOOR SLAB. USE LONG RADIUS BENDS ONLY.

DOMESTIC WATER BELOW SLAB: TYPE 'K' SOFT TEMPER COPPER WITH FLARE FITTING CONNECTIONS, EXCEPT NO FITTINGS TO BE USED BELOW FLOOR SLAB. USE LONG RADIUS BENDS ONLY.

MAY BE USED IF ALLOWED BY JURISTICTION.

ALL WATER LINES ABOVE SLAB SHALL BE INSULATED WITH EXPANDED CELL OR MOLDED SECTIONAL FIBEROUS GLASS WITH FACTORY APPLIED UL LISTED VAPOR BARRIER JACKET. FLAME SPREAD FOR INSULATION SHALL BE 25 OR LESS.

SANITARY WASTE AND VENT: CAST IRON NO-HUB CONNECTIONS ABOVE SLAB. CAST IRON WITH SLIP CONNECTIONS BELOW SLAB. SCHEDULE 40 PVC PIPING MAY BE USED IN ALL LOCATIONS WHERE PERMITTED BY LOCAL AUTHORITIES, HOWEVER PVC MAY NOT BE USED IN ABOVE CEILING PLENUM RETURN AREAS.

GAS PIPING TO BE TYPE 'S' SEAMLESS GRADE B SCHEDULE 40 BLACK OR ASTM A53 STEEL PIPE, TYPE 'E' ELECTRIC RESISTANT WELDED. WHERE INSTALLED BELOW GRADE, PIPE MUST BE COATED AND WRAPPED AND HAVE CATHODIC PROTECTION. ALL CAST IRON PIPE THAT IS OVER 3" DIAMETER AND NOT EXPOSED, MUST BE WELDED PIPE

Plumbing Fixture Schedule

Description

double drainage weep holes and adjustable satin nickel brone strainer w/ extended rim. provide "P" trap size as

6 gallon electric water heater. A.O. Smith or equal with expansion tank and tempering valve

Lavatory: Handicap accessible wall mount lavatory with carrier, Toto model LT155#01, vitreous china, white, (handicapped self-rimming counter top. Toto TL362SD12 ADA compliant faucet, SS flex suply risers with chrome plated stop valves, P-trap with cleanout and escutcheons. Insulated with "Handi-Lav-Gluard" model 102, or equal. Handicapped Water Closet, (handicapped) American Standard #208.408 "Elongated Cadet Water Saver". Siphon jet flush action, 18" rim height. Provide w/ open front seat less cover, 2'bolt caps, chrome angle valve and supply riser.

FIXTURE PIPING SCHEDULE							
FIXTURE	WASTE	VENT	CW	HW			
wc	4	2	1/2	0			
Lavatory	2	1 1/2	1/2	1/2			
Sink	2	1 1/2	1/2	1/2			
Urinal	2	1 1/2	3/4	0			
EWC	1 1/2	1 1/2	1/2	0			
Shower	2	1 1/2	3/4	3/4			
FD	2	1 1/2	0	0			
Hose Bib	0	0	3/4	0			

DOMESTIC WATER ABOVE SLAB: TYPE 'L' HARD TEMPER COPPER WITH SWEAT SOLDER CONNECTIONS. USE NO-LEAD TYPE SOLDER. PEX

