

DAVINCI ACADEM SUITES D, E, & F

LOCATION: 850 WEST 350 NORTH KAYSVILLE, UT 84037

ARCHITECT - STRUCTURAL





177 E. ANTELOPE DR. STE. B LAYTON, UT 84041 PHONE: (801) 499-5054

OWNER	ELECT		
JEREMY HERRON 926 NORTH 1875 WEST FARMINGTON, UT 84025 PHONE: (801) 755-5003	PVE ENGINEERING 1040 NO. 2200 WE SALT LAKE CITY, U PHONE: (801) 359-3	T 84116	NORM 468 TRI PH
DEFERRED SUBMI	CUF	RENT	
I. NFRC CERTIFICATE SHALL BE SUBMITTED AS CERTIFICATE OF OCCUPANCY REQUIREMENT. 2. BASKETBALL HOOP DRAWINGS.	2018 IBC 2018 IFC 2018 IECC 2018 IPC 2018 IFGC		
SEPERATE SUBMI	TTALS		
I. FIRE SPRINKLER AND FIRE ALARM DRAWING PROVIDED PRIOR TO INSTALLATION. FIRE SPR			

ALARM PLANS SHALL BE GIVEN TO KAYSVILLE CITY.

SUITE A: 2018 IBC CODE ANALYSIS

-		
	<u>EXISTING BUILDING</u> TOTAL FOOTPRINT SQUARE FOOTAGE	23,232 FT ²
	ENTIRE TENANT FINISH OCCUPANCY GROUP (SUITES D, E, & F) CONSTRUCTION TYPE FIRE SPRINKLERS PROVIDED?	E III - B YES
	TOTAL NUMBER OF STORIES TOTAL ALLOWABLE AREA (TABLE 506.2) $A_a = [A_t + (NS \times I_F)] \times S_a$ $A_a = [43,500 + (14,500 \times 0.75)] = 54,375 FT^2 P_a$ FRONTAGE INCREASE (506.3)	
	$I_{f} = [F/P - 0.25] * W/30 = [(689/689) - 0.25] * 30/30$	
	TOTAL ALLOWABLE HEIGHT = 55 FT (TABLE 504.3)	
	SUITES D, E, & F OCCUPANT LOADS (TABLE IOC	<u>24.I.2)</u>
	MAXIMUM OCCUPANT ALLOWED AND APPROVED BY BULIDING OFFICIAL FOR SUITES D, E, AND F	THE IIO
	EXITS REQUIRED EXITS PROVIDED MAX ALLOWABLE TRAVEL DISTANCE (1017.2) ACTUAL MAX. TRAVEL DISTANCE	2 6 250' 225'
	WATER CLOSETS REQUIRED WATER CLOSETS PROVIDED LAVATORIES REQUIRED	55/50 M, 55/50 F = 4 55/50 M, 55/50 F =
	LAVATORIES PROVIDED DRINKING FOUNTAINS REQUIRED	4 110 / 100 = 2
VIRAL ARCHITECT		
MECHANICAL		
M CUNNING 685 W. 11600 N. REMONTON, UT 84337 HONE: (801) 726-5047		
CODE EDITIONS		
2018 IMC NEC 2017 ICC/ANSI A117.1-2009		

CVR COVER SHEET / DRAWING INDEX A111 SUITES D. E. & F MAIN FLOOR PLAN A113 SUITES D. E. & F MAIN FLOOR ENTRO PLAN A113 SUITES D. E. & F MAIN FEDER END PLAN A114 SUITES D. E. & F MAIN FEDER END PLAN A123 SUITES D. E. & F MAIN FEDER END PLAN A131 SUITES D. E. & F MAIN FEDER END PLAN A141 SUITES D. E. & FMAIN FEDER END PLAN A141 SUITES D. E. & FMAIN FEDER END PLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. E. & FMAIN FLOOR ENT FLAN A141 SUITES D. & FMAIN FLOOR ENT FLAN A141 SUITES D. & FMAIN FLOOR ENT FLAN A151 SUITES D. & FMAIN FLOOR ENT FLAN A151 SUITES D. & FMAIN FLOOR ENT FLAN A151 SUITES D. & FMAIN FLOOR FLAN FLAN A151 SUITES D. & FMAIN FLOOR ENT FLAN A151 SUITES D. & FMAIN FLAN A151 SUITE D. & F F STRUTTRAL PLAN <

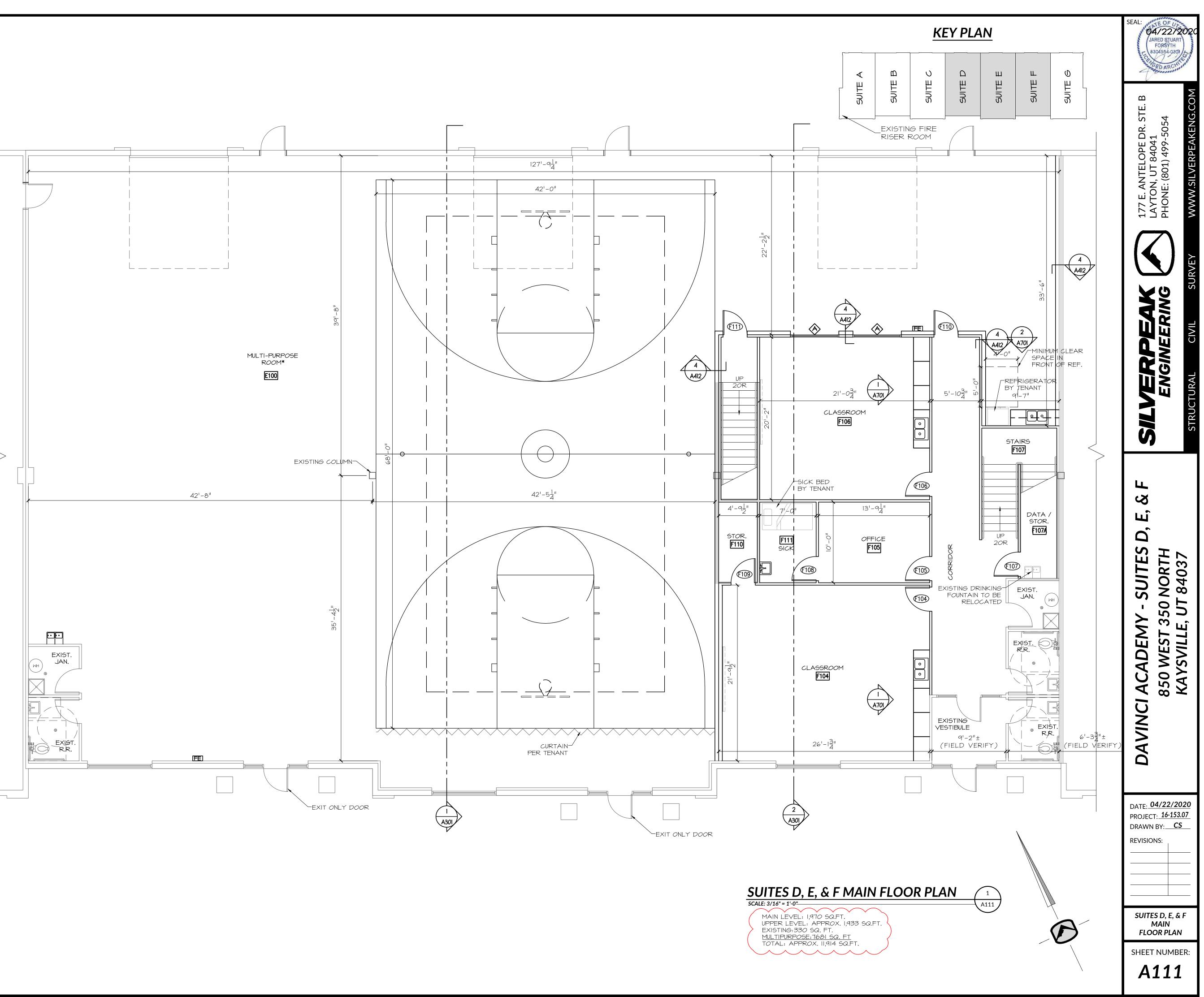
THROUGH-PENETRATION FIRESTOP SYSTEMS:

-A FIRE RESISTIVE WALL OR FLOOR MUST BE SEALED BACK TO ITS ORIGINAL FIRE INTEGRITY WHEN PENETRATED. CONTRACTOR TO USE THE UL DESIGN NUMBERS BELOW TO MAINTAIN FIRE RESISTIVE INTEGRITY. -STUD WALLS: W-L-1002

-FIRE RESISTIVE ROOMS: • STORAGE UNDER STAIRS. CONSTRUCT WALLS PER UL DESIGN U337, AND CEILING PER L589. REFER TO A602 \$ A603 FOR UL DESIGN SPECIFICATIONS. AREAS WITH SLOPED CEILINGS ARE NOT ALLOWED TO BE FIRE RESISTIVE. FRAME CEILING HORIZONTAL OR PROVIDE FIRE RATED WALL TO CLOSE OFF AREAS WITH SLOPED CEILINGS.

-FIRE WALLS AND FIRE BARRIERS REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING IN THE CONCEALED SPACE. SUCH IDENTIFICATION SHALL BE LOCATED WITH 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION AND, INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT WITH A MINIMUM 🖁 STROKE IN CONTRASTING COLOR INCORPORATION THE SUGGESTED WORDING "FIRE BARRIER - PROTECT ALL OPENINGS

ANNOTATION LEGEND					
SYMBOL DESCRIPTION					
XXX	ROOM NUMBER				
XXX	DOOR TAG (SEE DOOR SCHEDULE)				
\otimes	WINDOW TAG (SEE WINDOW SCHEDULE)				
X XXXX	SECTION CALLOUT				
	WHITE BOARD (PROVIDE BLOCKING PER MANUFACTURER'S INSTRUCTIONS				



FIRE EXTINGUISHER NOTE:

FE

UPON COMPLETION OF THIS PROJECT, PROVIDE FIRE EXTINGUISHERS WITH A MIN. RATING OF 2A10BC. FIRE EXTINGUISHERS SHALL BE PLACED TO ENABLE A TRAVEL DISTANCE NOT MORE THAN 75' TO ACCESS FROM ANY POINT OF THE FACILITY.

WALL TYPES LEGEND DESCRIPTION MALL I HR WALL 2x4 WOOD STUDS @ 16" O.C. WITH 5/8" TYPE 'X' G.W.B. BOTH SIDES TO DECK (UL DESIGN U337) REFER TO A602-A604 FOR COMPLETE UL DESIGN (SHOWN SHADED) WALL BETWEEN SUITES 2x6 WOOD STUDS @ 16" O.C. WITH 5/8" TYPE 'X' (SHOWN SHADED) G.W.B. BOTH SIDES TO DECK (UL DESIGN U337)

REFER TO A602-A604 FOR COMPLETE UL DESIGN EXISTING I HR WALL EXISTING 8" CMU WALL, I HOUR (MIN) FIRE \square RATED WITHOUT MODIFICATION 2x4 STUDS @ 16" O.C. WITH 5/8" GWB BOTH INTERIOR PARTITION WALLS SIDES (U.N.O. IN STRUCTURAL DRAWINGS) REST ROOM PLUMBING WALL 2x6 STUDS @ 16" O.C.

WITH 5/8" WATER-RESISTANT GWB

THROUGH-PENETRATION FIRESTOP SYSTEMS:

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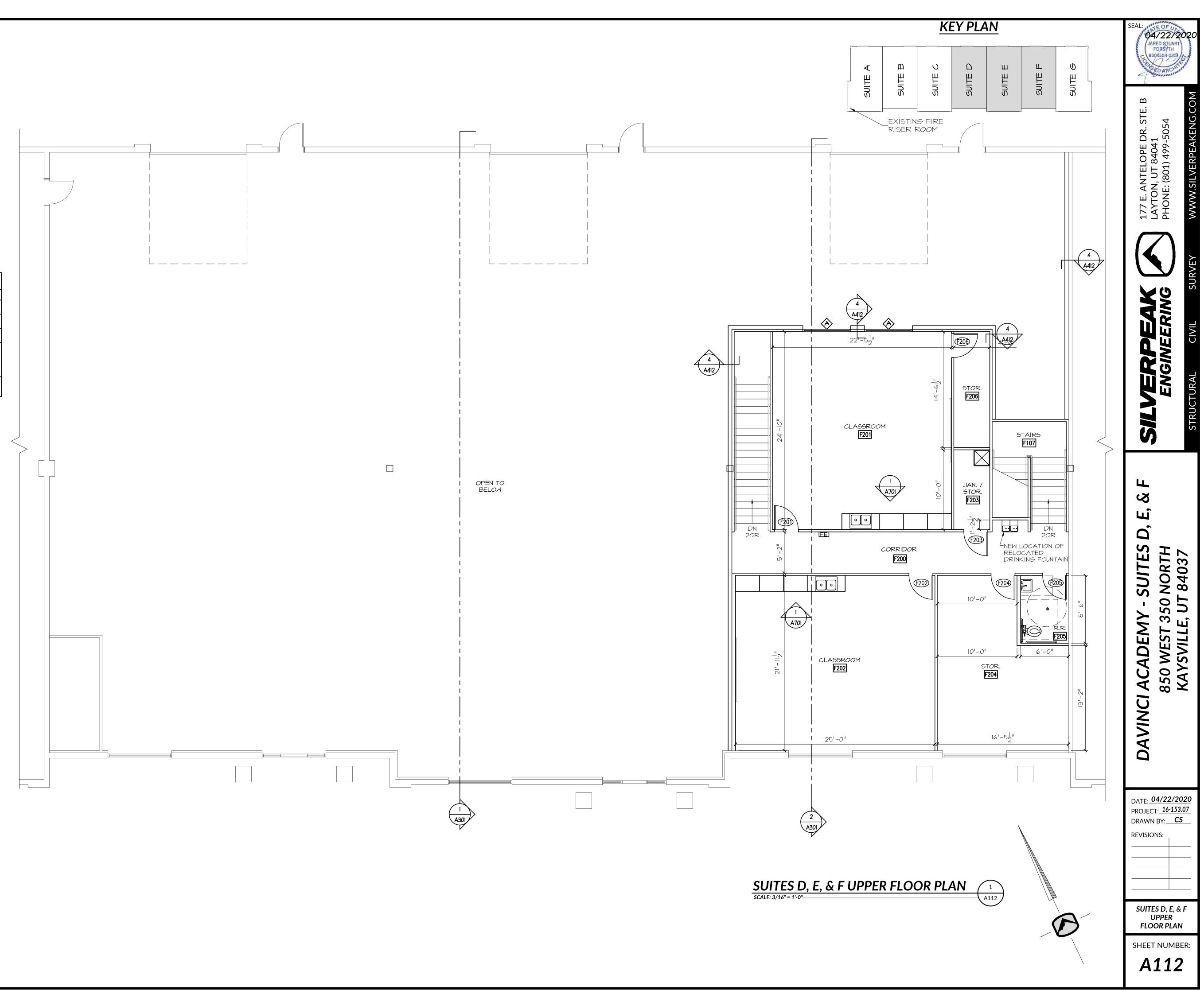
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ANNOTATION LEGEND

SYMBO	DECODIDION
SIMDUL	DESCRIPTION
XXX	ROOM NUMBER
XXX	DOOR TAG (SEE DOOR SCHEDULE)
\otimes	WINDOW TAG (SEE WINDOW SCHEDULE)
X XX.X	SECTION CALLOUT
	WHITE BOARD (PROVIDE BLOCKING PER MANUFACTURER'S INSTRUCTIONS

FIRE EXTINGUISHER NOTE:

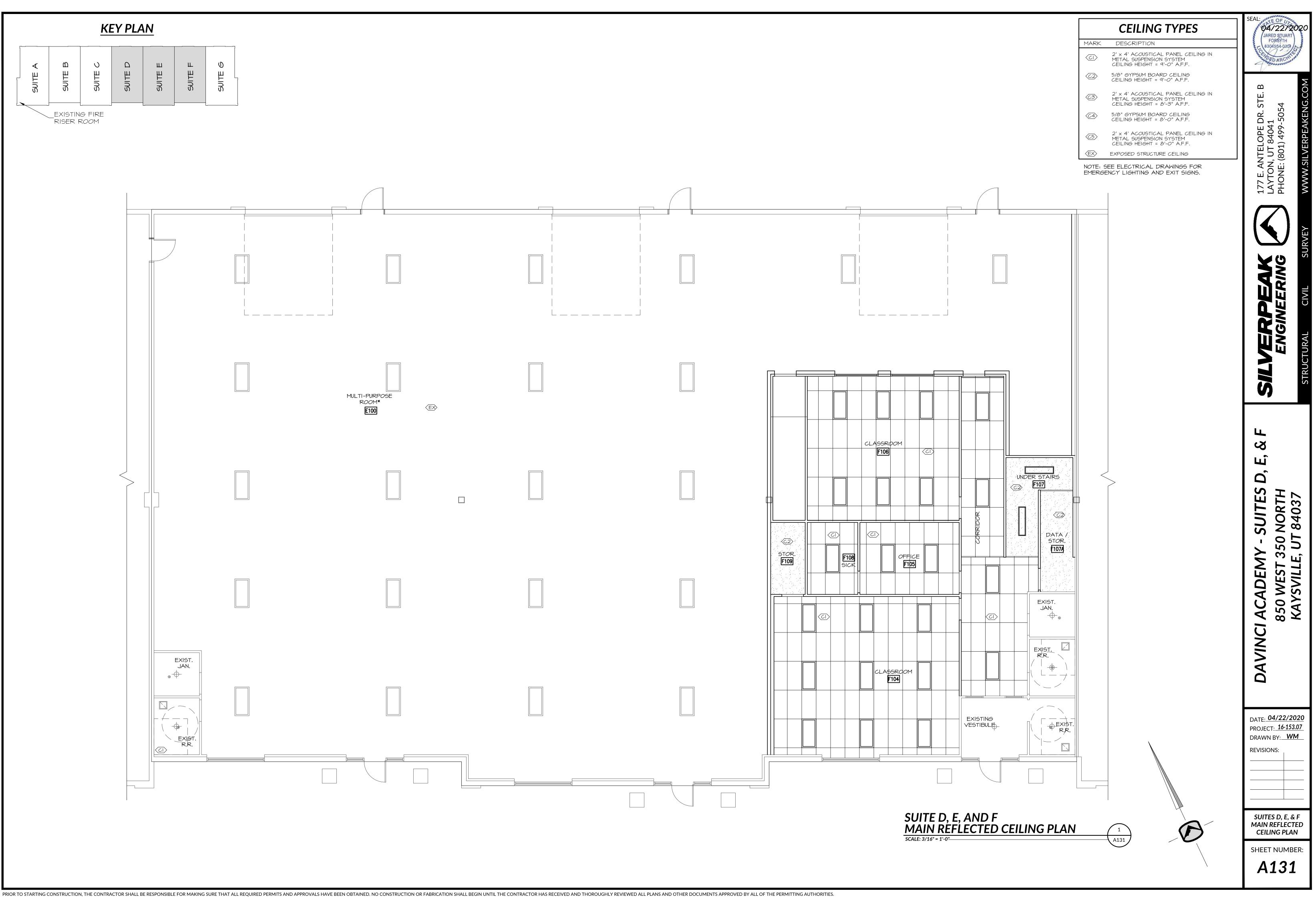
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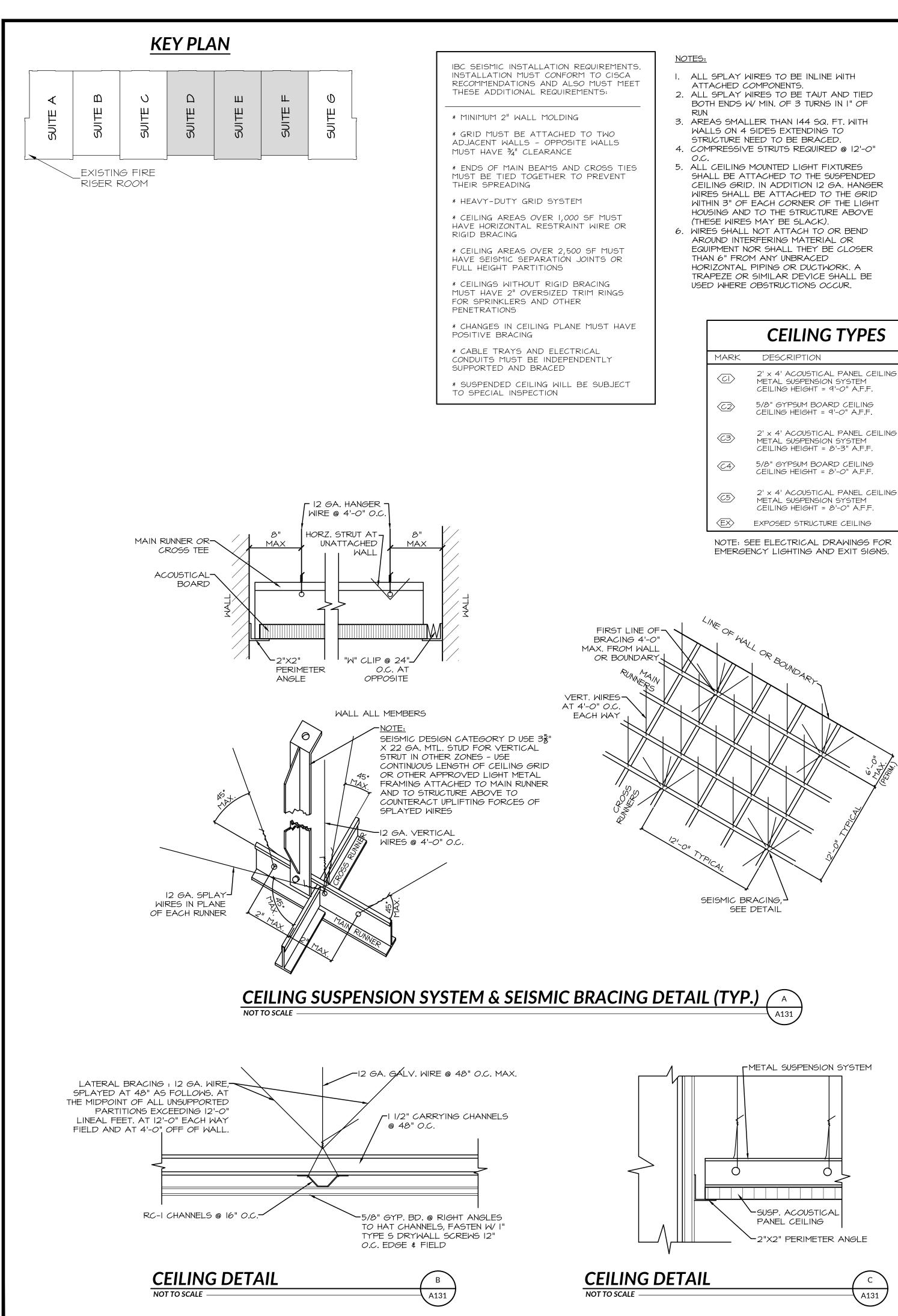


WALL TYPES LEGEND

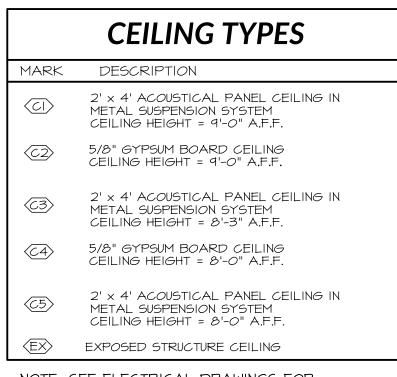
WALL	DESCRIPTION
I HR WALL (SHOWN SHADED)	2x4 WOOD STUDS @ 16" O.C. WITH 5/8" TYPE 'X' G.W.B. BOTH SIDES TO DECK (UL DESIGN U337) REFER TO A602-A604 FOR COMPLETE UL DESIGN
WALL BETWEEN SUITES (SHOWN SHADED)	2x6 WOOD STUDS @ 16" O.C. WITH 5/8" TYPE 'X' G.W.B. BOTH SIDES TO DECK (UL DESIGN U337) REFER TO A602-A604 FOR COMPLETE UL DESIGN
EXISTING I HR WALL	EXISTING 8" CMU WALL, I HOUR (MIN) FIRE RATED WITHOUT MODIFICATION
	2x4 STUDS @ 16" O.C. WITH 5/8" GWB BOTH SIDES (U.N.O. IN STRUCTURAL DRAWINGS)
REST ROOM PLUMBING WALL	2×6 STUDS @ 16" O.C. WITH 5/8" WATER-RESISTANT GWB

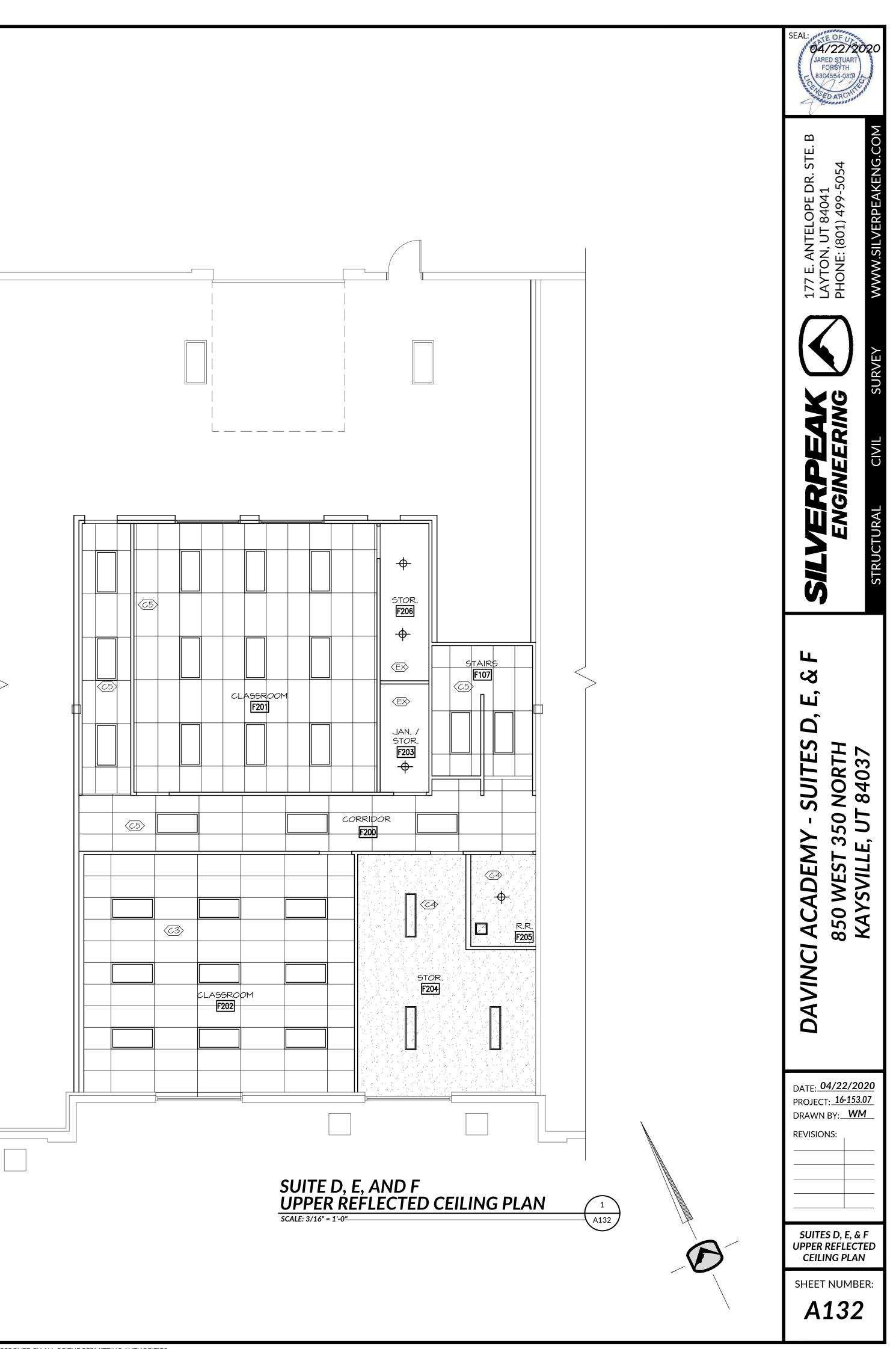
PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

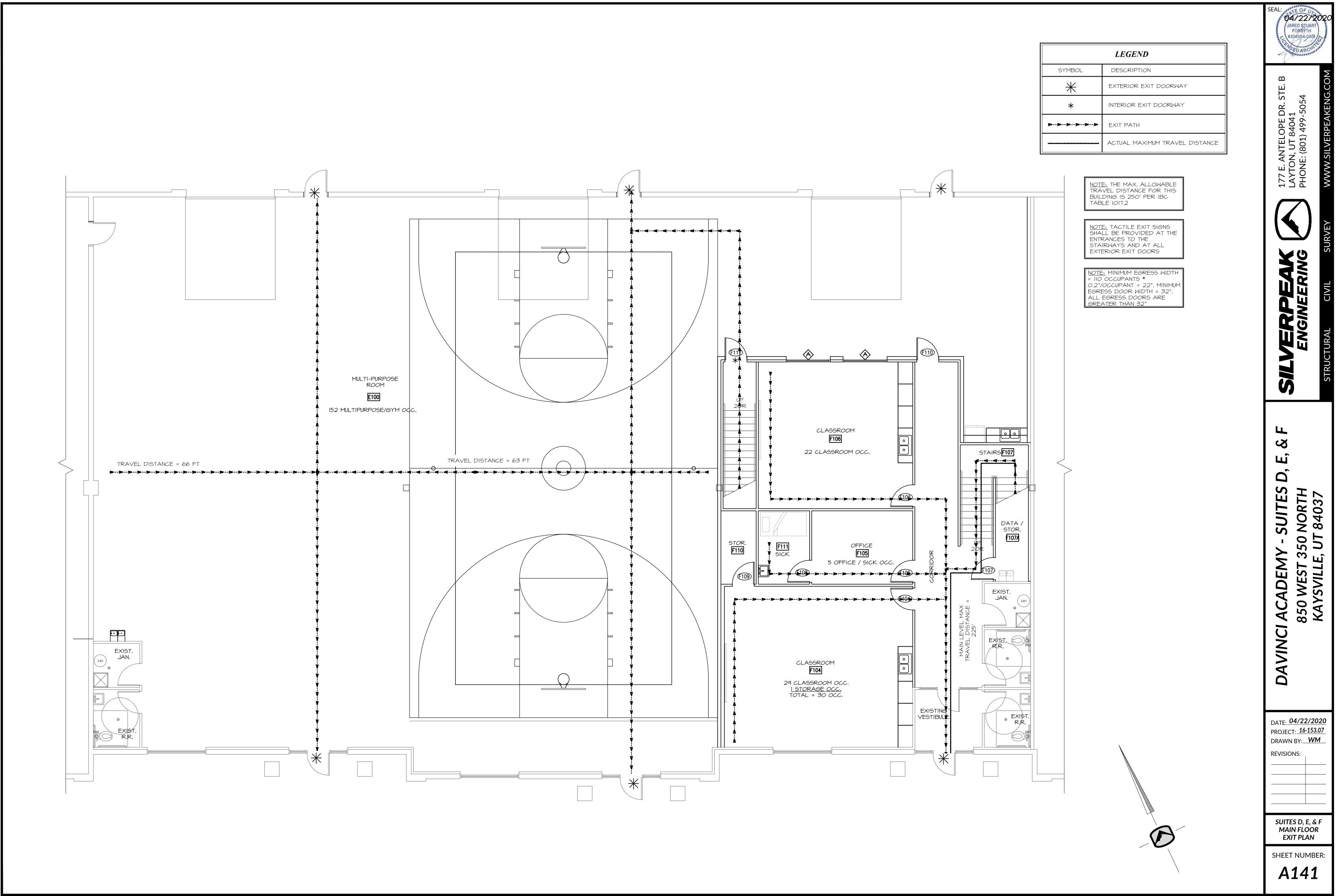


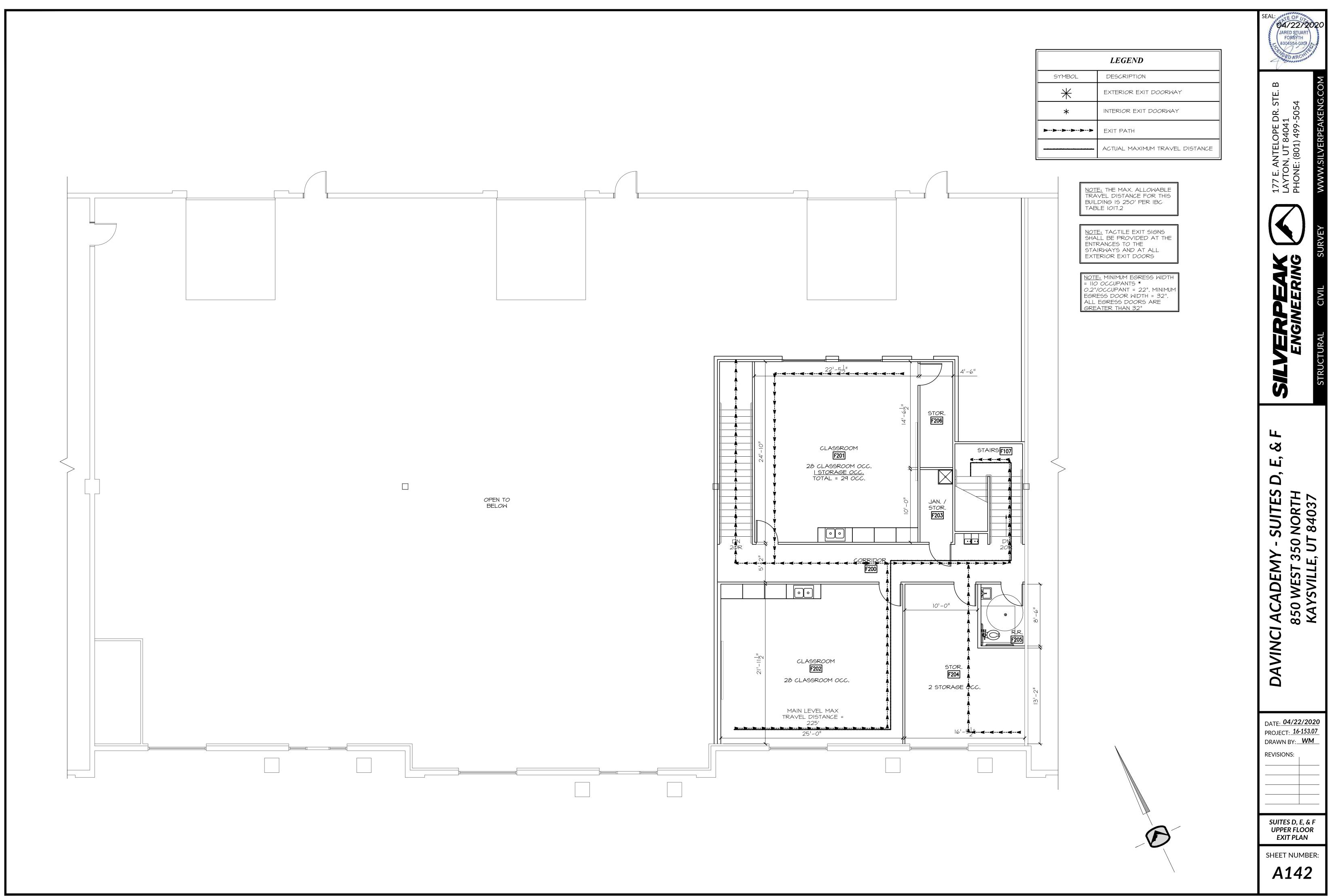


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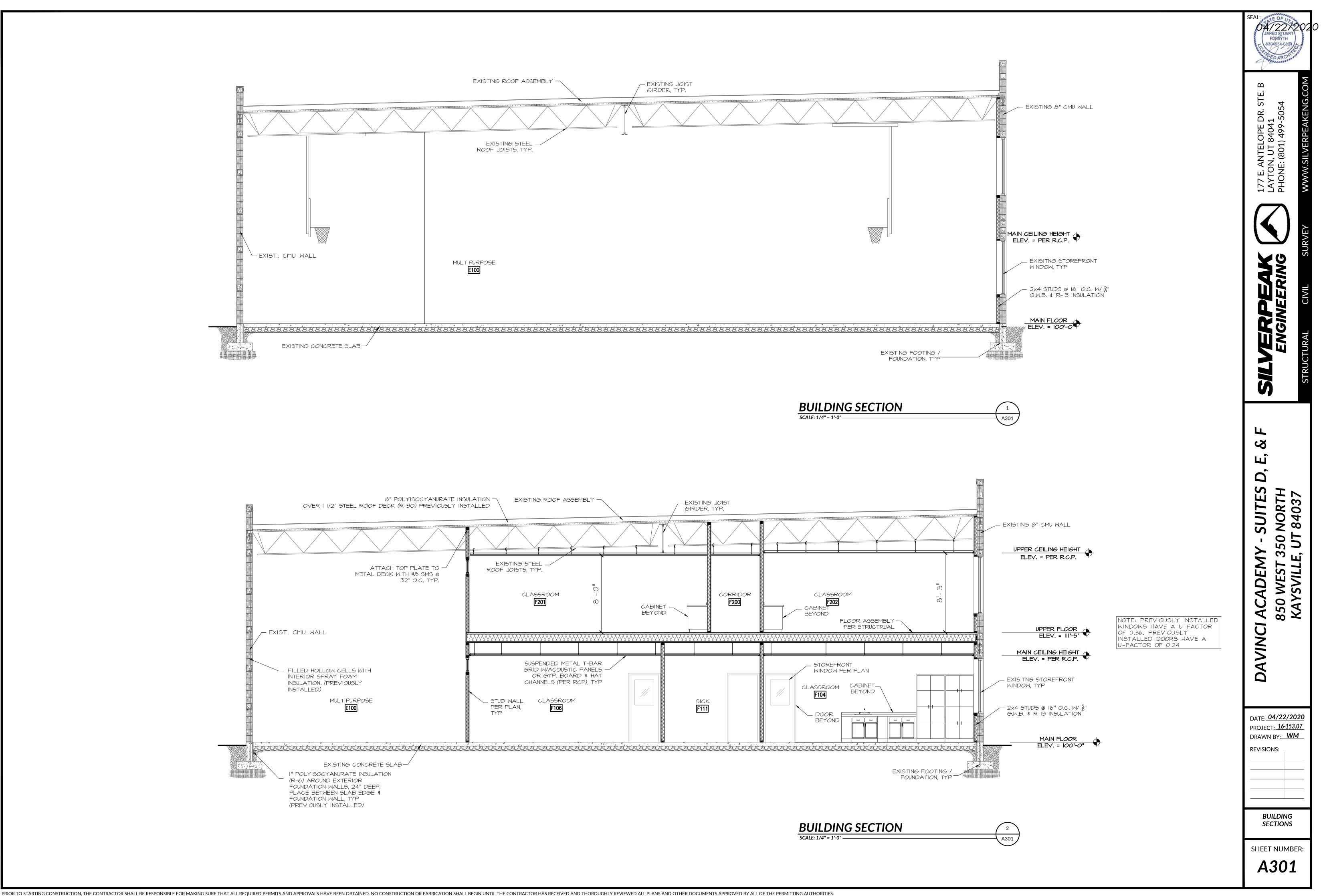


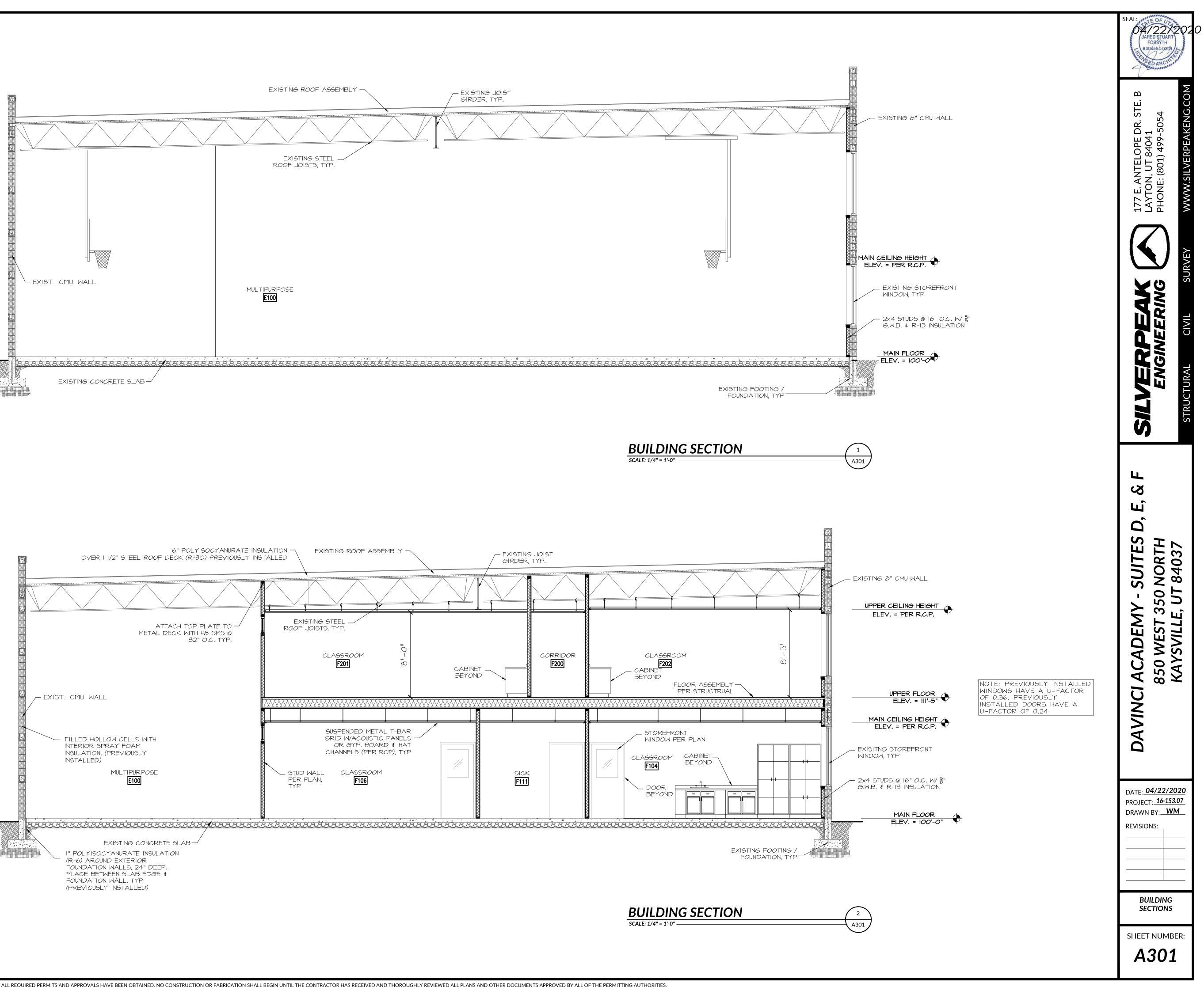


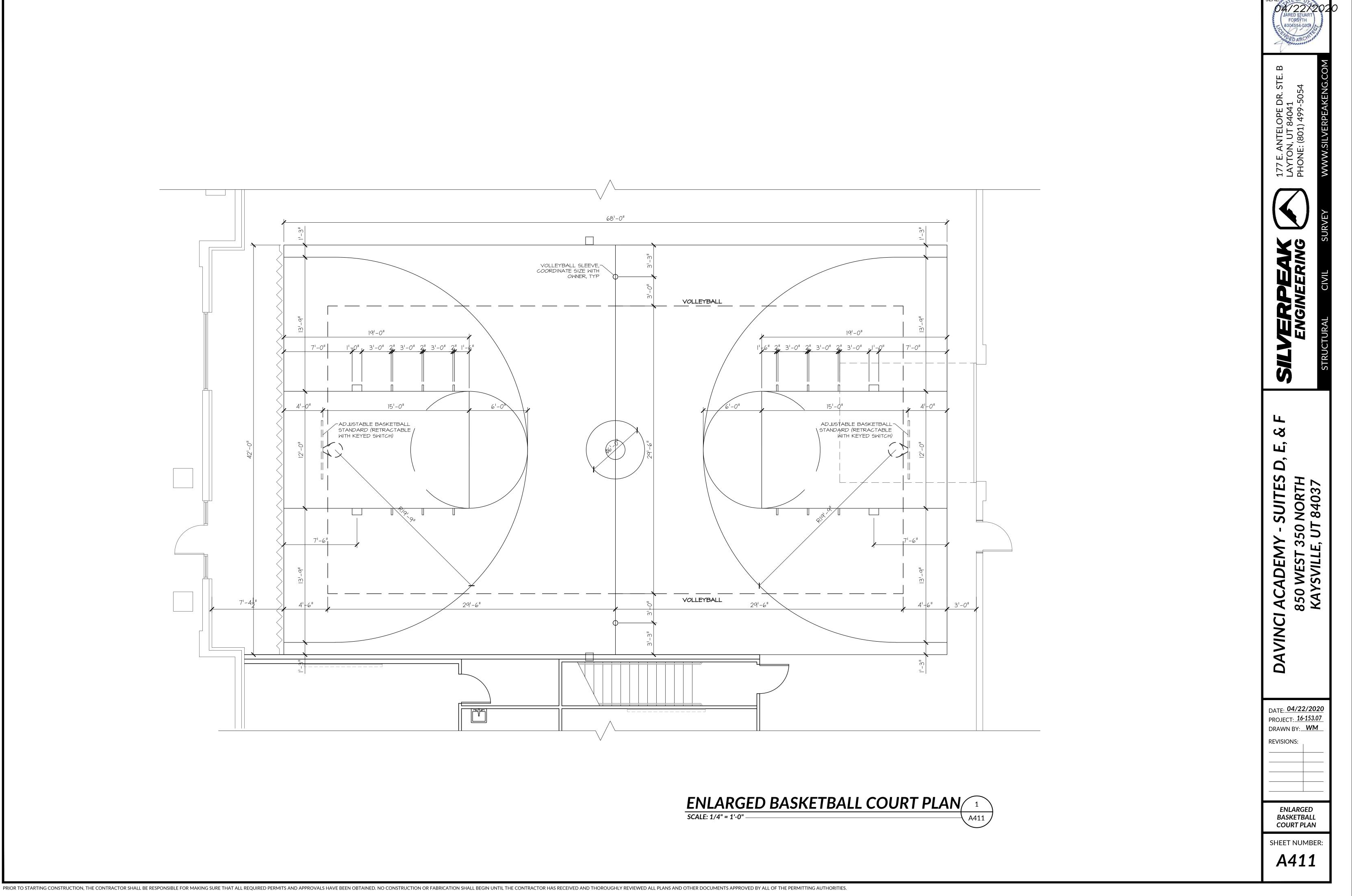


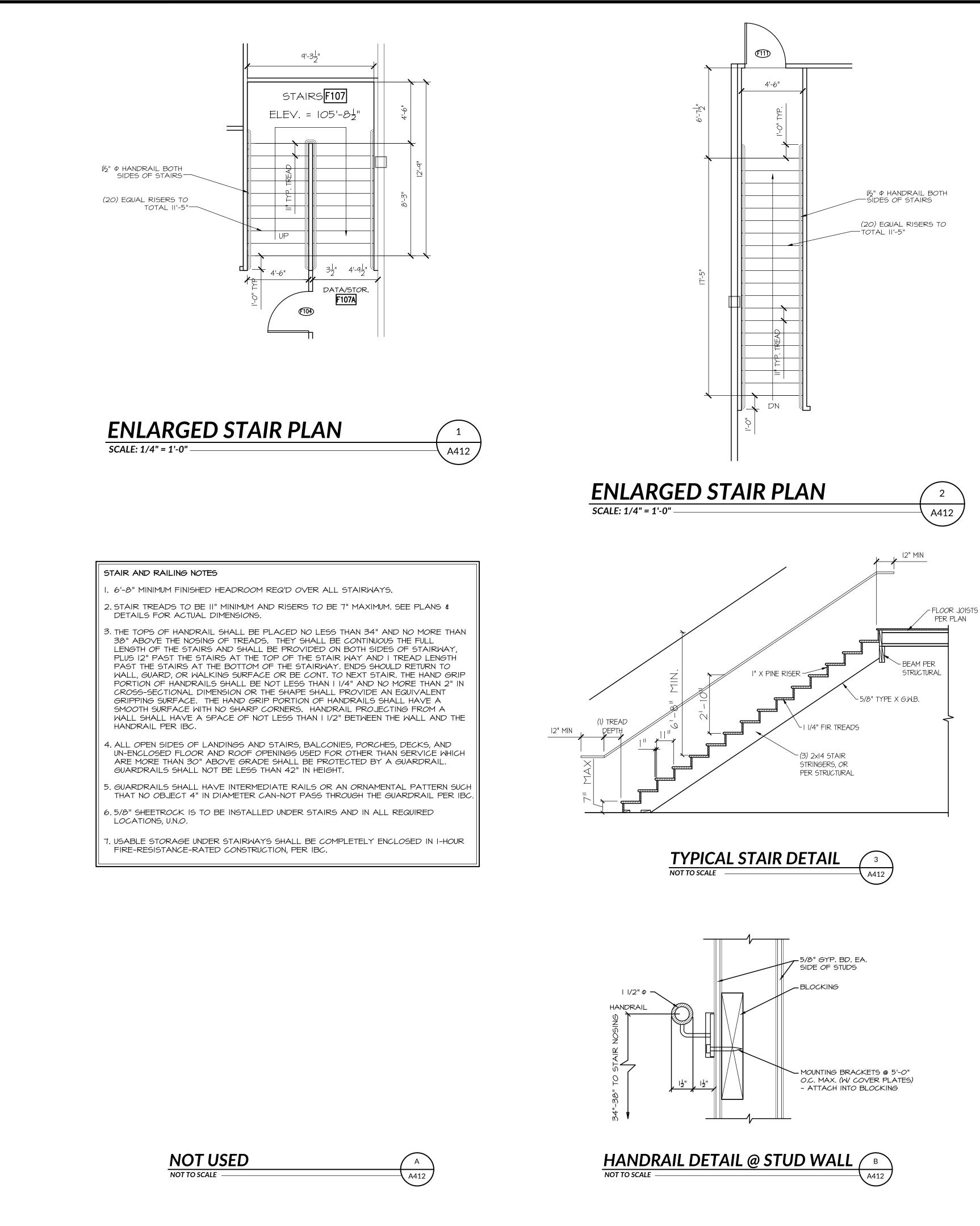


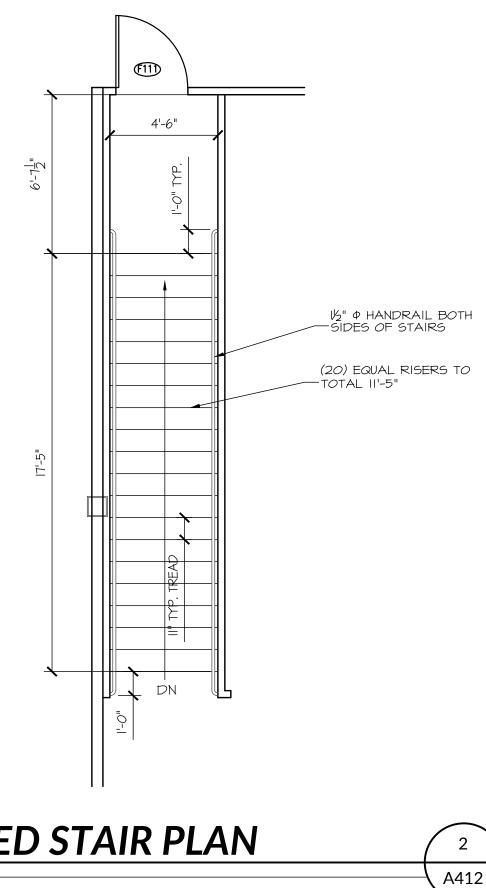
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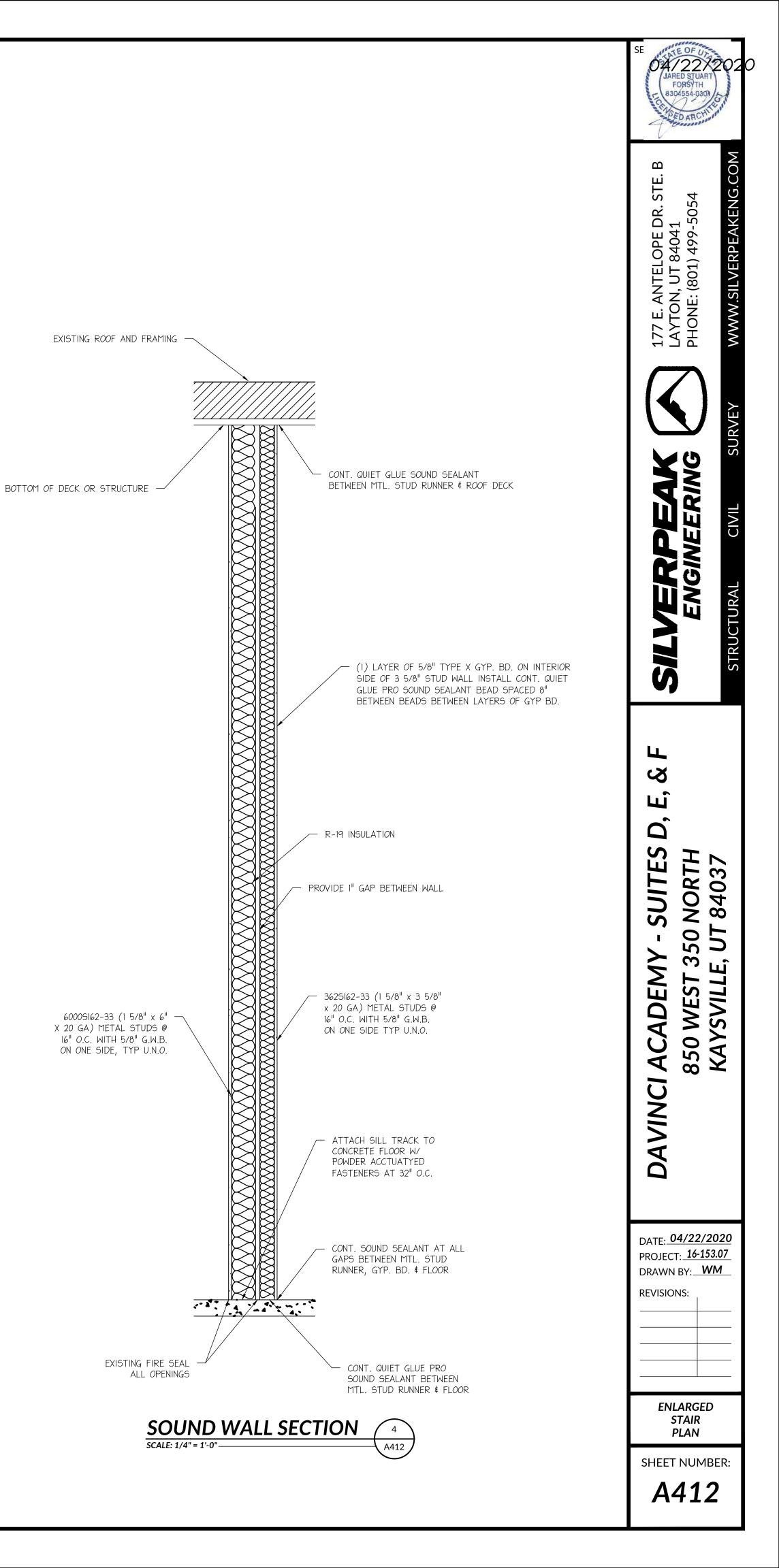


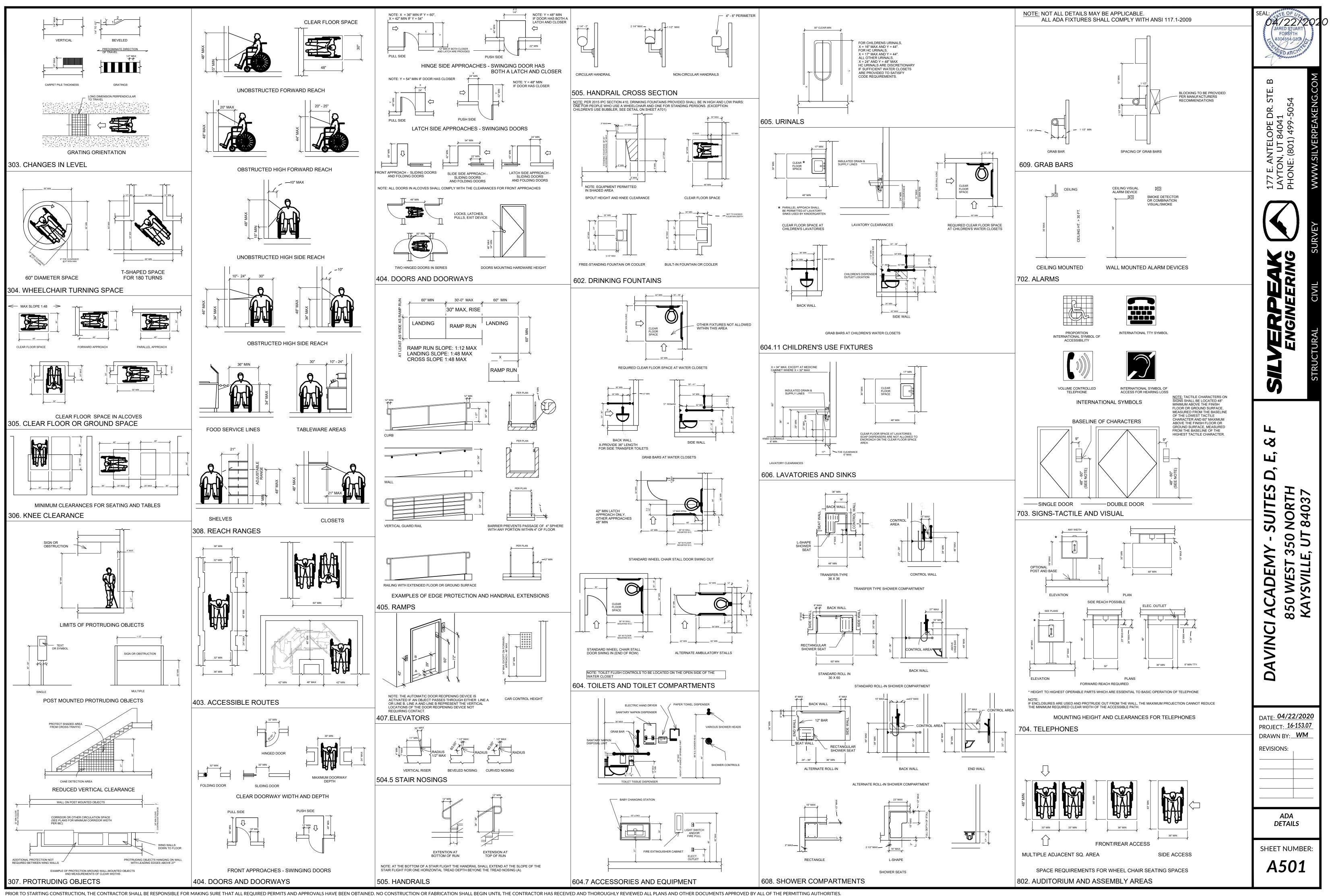




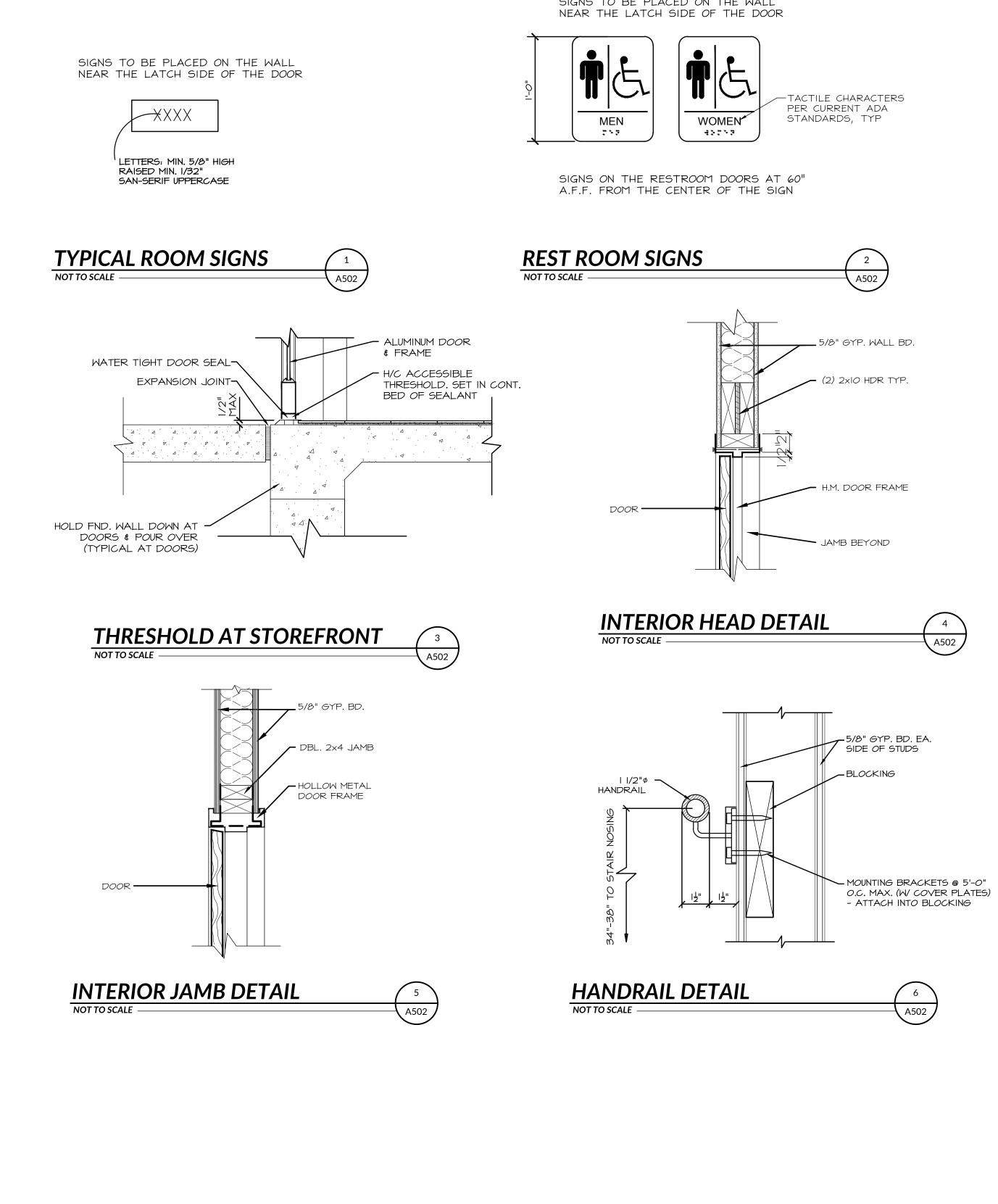


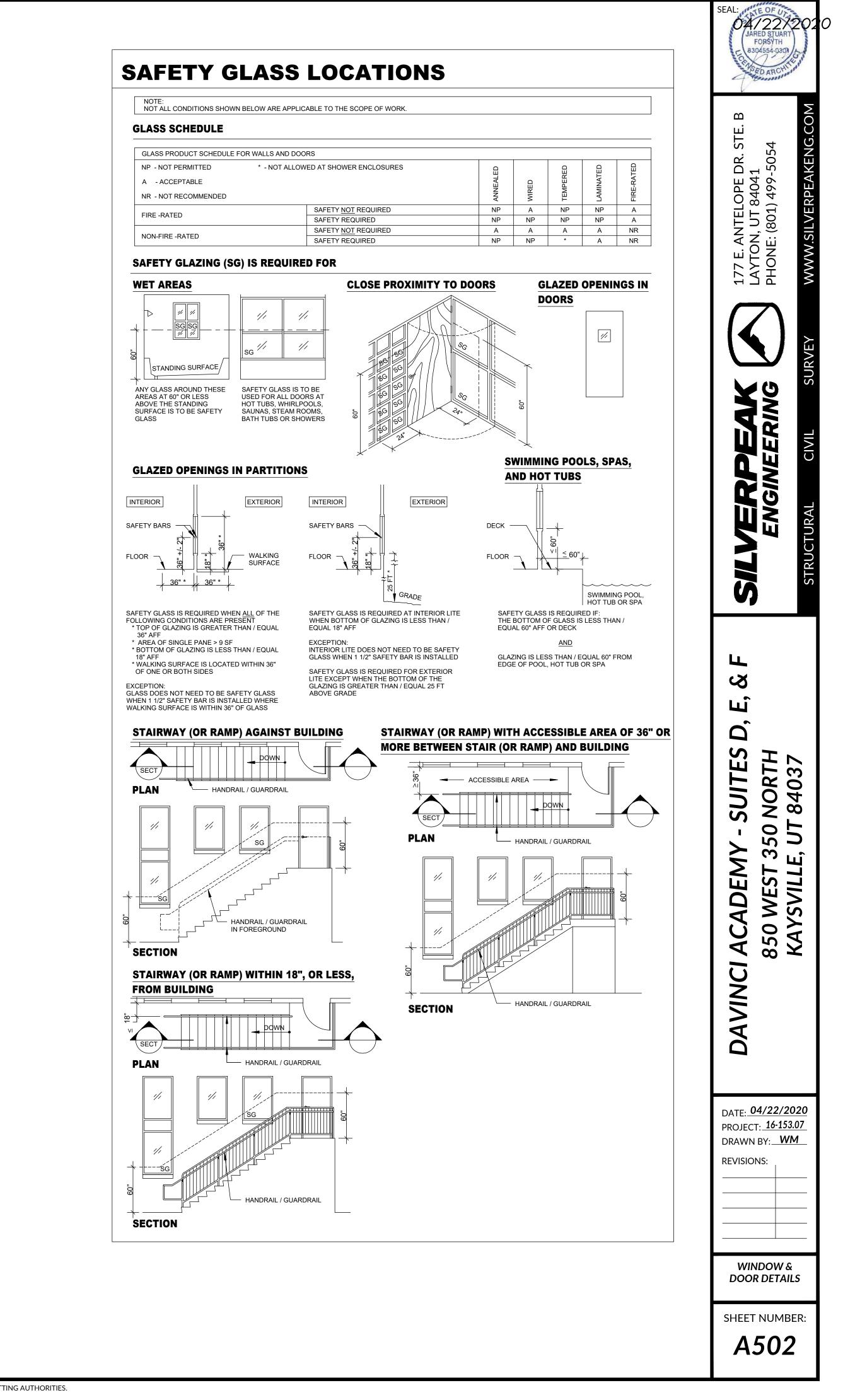


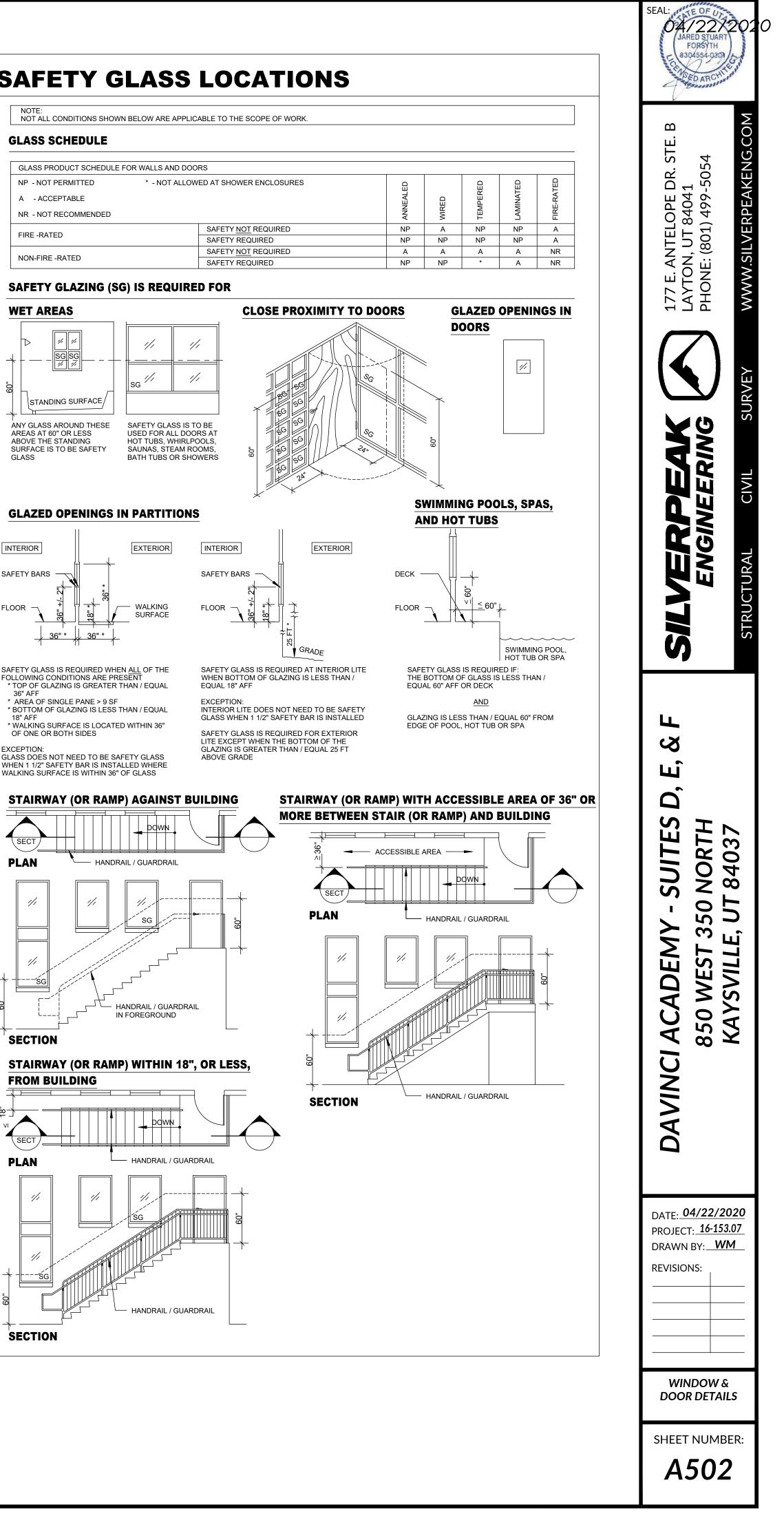




SIGNS TO BE PLACED ON THE WALL





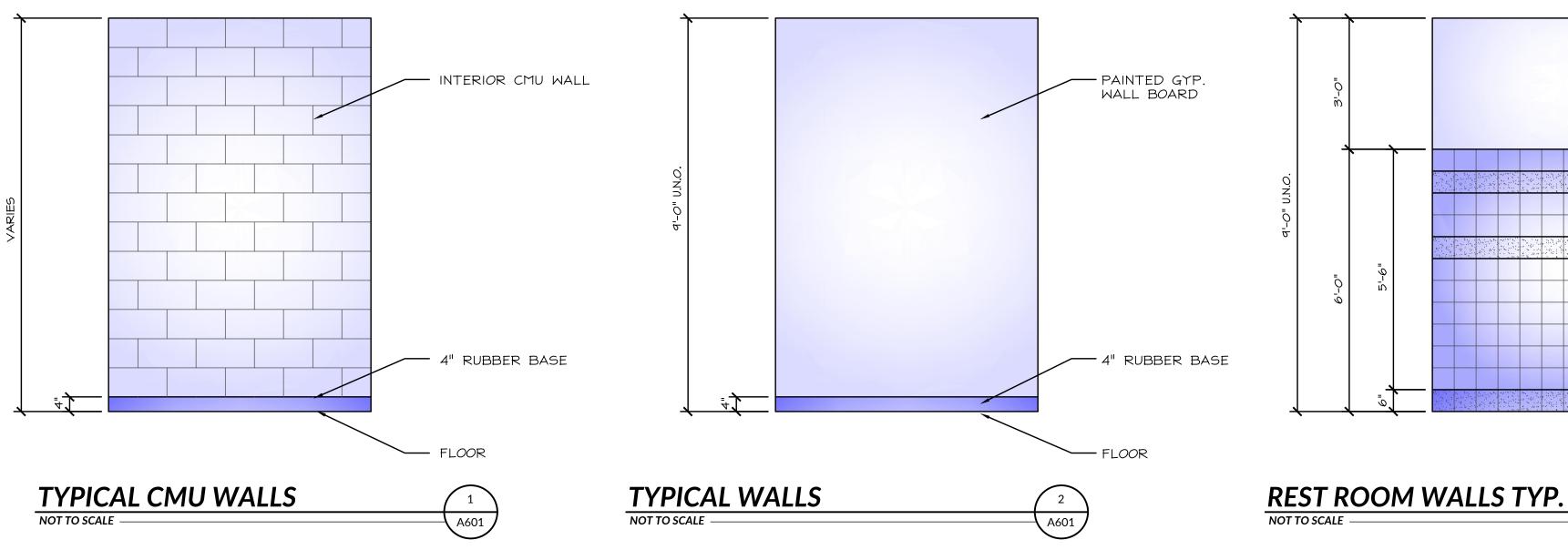


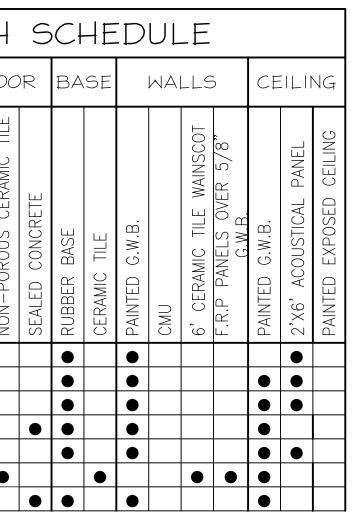
FINISH SCHEDULE												
	F	LOC	DR	ΒA	SE		WA		6	CE	EILII	NG
R <i>oo</i> m name and Number		NON-POROUS CERAMIC TILE	SEALED CONCRETE	RUBBER BASE	CERAMIC TILE	PAINTED G.W.B.	CMU	6' CERAMIC TILE WAINSCOT	F.R.P PANELS OVER 5/8" G.W.B.	PAINTED G.W.B.	2'X6' ACOUSTICAL PANEL	PAINTED EXPOSED CEILING
E100 MULTIPURPOSE ROOM												
F100 VESTIBULE										\bullet		
F101 RESTROOM										ightarrow		
F102 RESTROOM												
F103 STORAGE												
F104 CLASSROOM												
F105 OFFICE												
F106 CLASSROOM												
F107 STAIR												
F107A STORAGE												
F108 SICK												
F109 STORAGE												

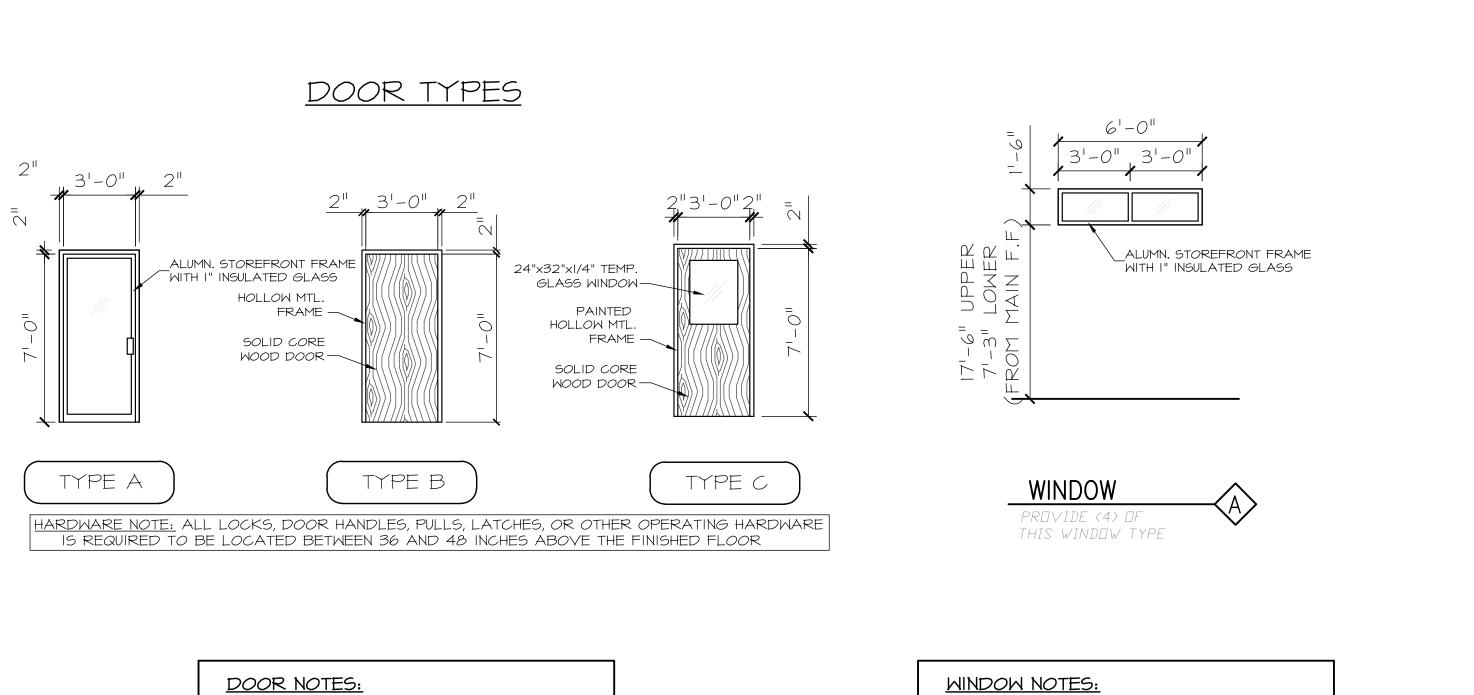
FINISH								
		Fl	_00					
RO	OM NAME AND NUMBER	CARPET	NON-POROUS CERAMIC TILE					
F200	COORIDOR	•						
F201	CLASSROOM							
F202	CLASSROOM							
F203	JANITOR/CLOSET							
F204	CLASSROOM							
F205	RESTROOM							
F206	STORAGE							

DOOR SCHEDULE									ſ
DOOR	DOOR					FRAME	REMARKS		ſ
NO.	WIDTH	HEIGHT	THICK	TYPE	MATL.	MATERIAL			
(F104)	3'-0"	7'-0"	3/4"	С	ALUM.	ALUM.	PANIC HARDWARE & AUTO CLOSER		ſ
(F105)	3'-0"	7'-0"	3/4"	В	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER		
F106	3'-0"	7'-0"	3/4"	С	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER		
(F107)	3'-0"	7'-0"	3/4"	В	WOOD	H.M.	PROVIDE LOCK / 3/4 HR FIRE RATED		
(F108)	3'-0"	7'-0"	3/4"	В	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER		
(F109)	3'-0"	7'-0"	3/4"	В	ALUM.	H.M.	PROVIDE LOCK / 3/4 HR FIRE RATED		ſ
F110	3'-0"	7'-0"	3/4"	В	ALUM.	H.M.	PANIC HARDWIRE & AUTO CLOSER		-
(F111)	3'-0"	7'-0"	3/4"	В	ALUM.	H.M.	PANIC HARDWIRE & AUTO CLOSER _OCKABLE FROM GYM SIDE		

DOOR SCHEDULE									
DOOR		Γ	7 <i>00</i> F	2		FRAME	REMARKS		
NO.	WIDTH	HEIGHT	THICK	TYPE	MATL. MATERIAL				
F201) 3'-0" 7'-0" 3/4" C AL				ALUM.	ALUM.	PANIC HARDWARE & AUTO CLOSER		
F202	З'-О" 7'-О" 3/4" С		C	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER			
F203	3'-0"	7'-0"	3/4"	В	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER		
F204	3'-0" 7'-0" 3/4" B WOOL		WOOD	H.M.	PROVIDE LOCK				
F205	3'-0"	7'-0"	3/4"	В	WOOD	H.M.	PROVIDE LOCK & AUTO CLOSER		
F206	3'-0"	7'-0"	3/4"	В	ALUM.	H.M.	PANIC HARDWIRE & AUTO CLOSER		



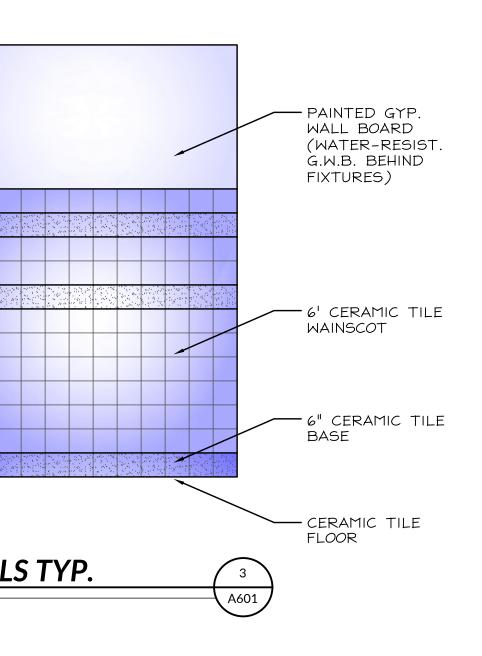


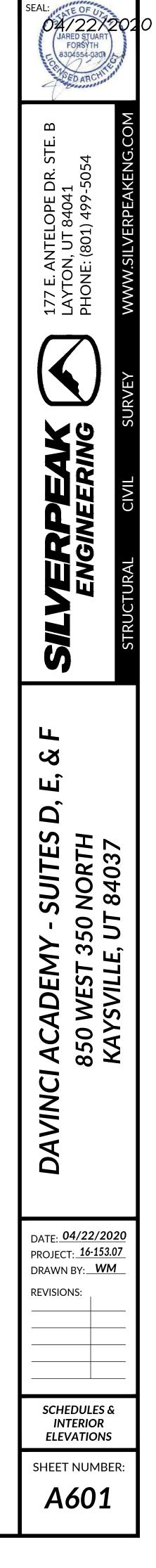


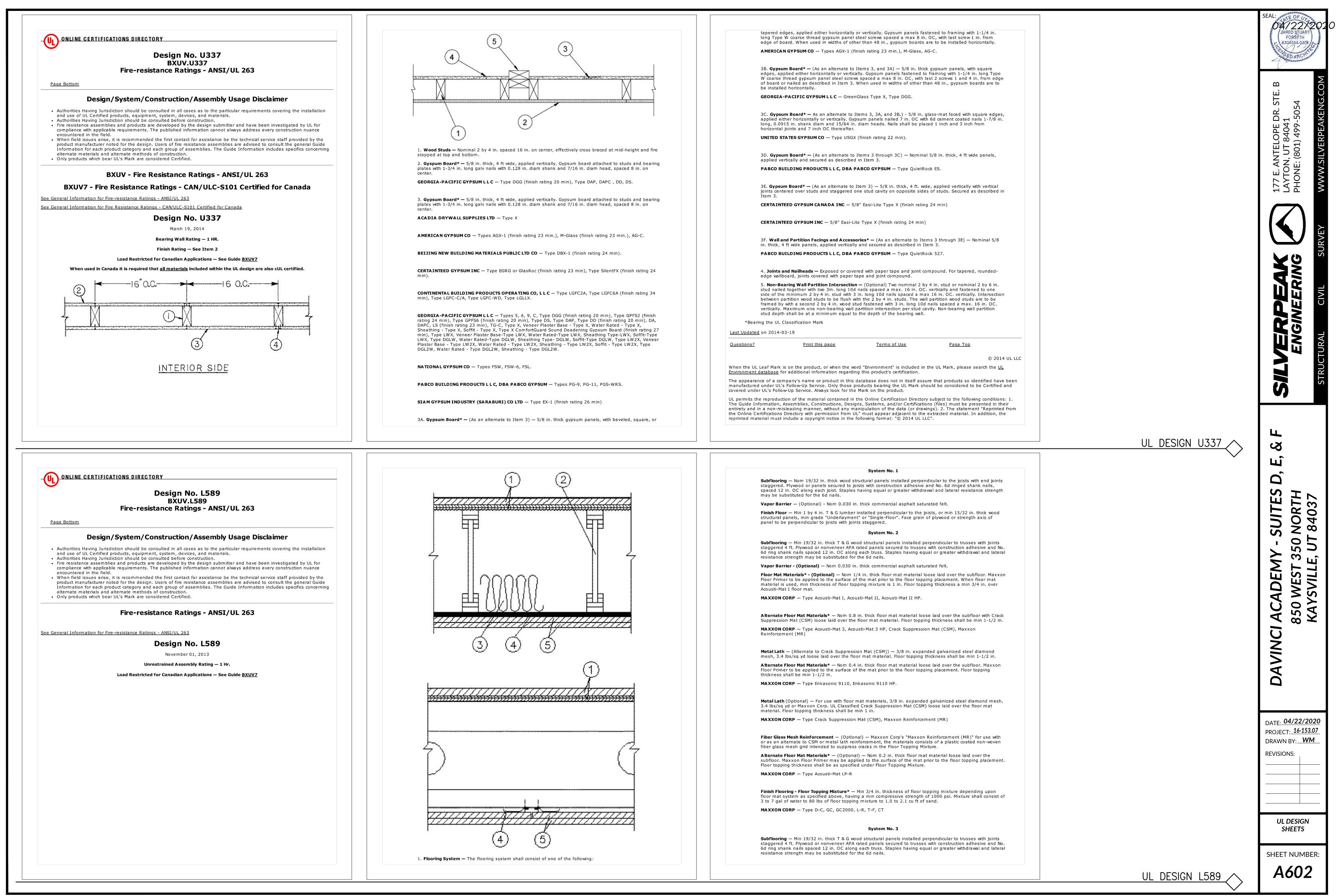
DOOR NOTES:

- DOOR HARDWARE TO COMPLY WITH CURRENT
- ADA & IBC STANDARDS LEVER TYPE HARDWARE ONLY
- 3. ALL EXISTING RESTROOM DOORS HAVE SELF CLOSING FEATURES PREVIOUSLY INSTALLED.

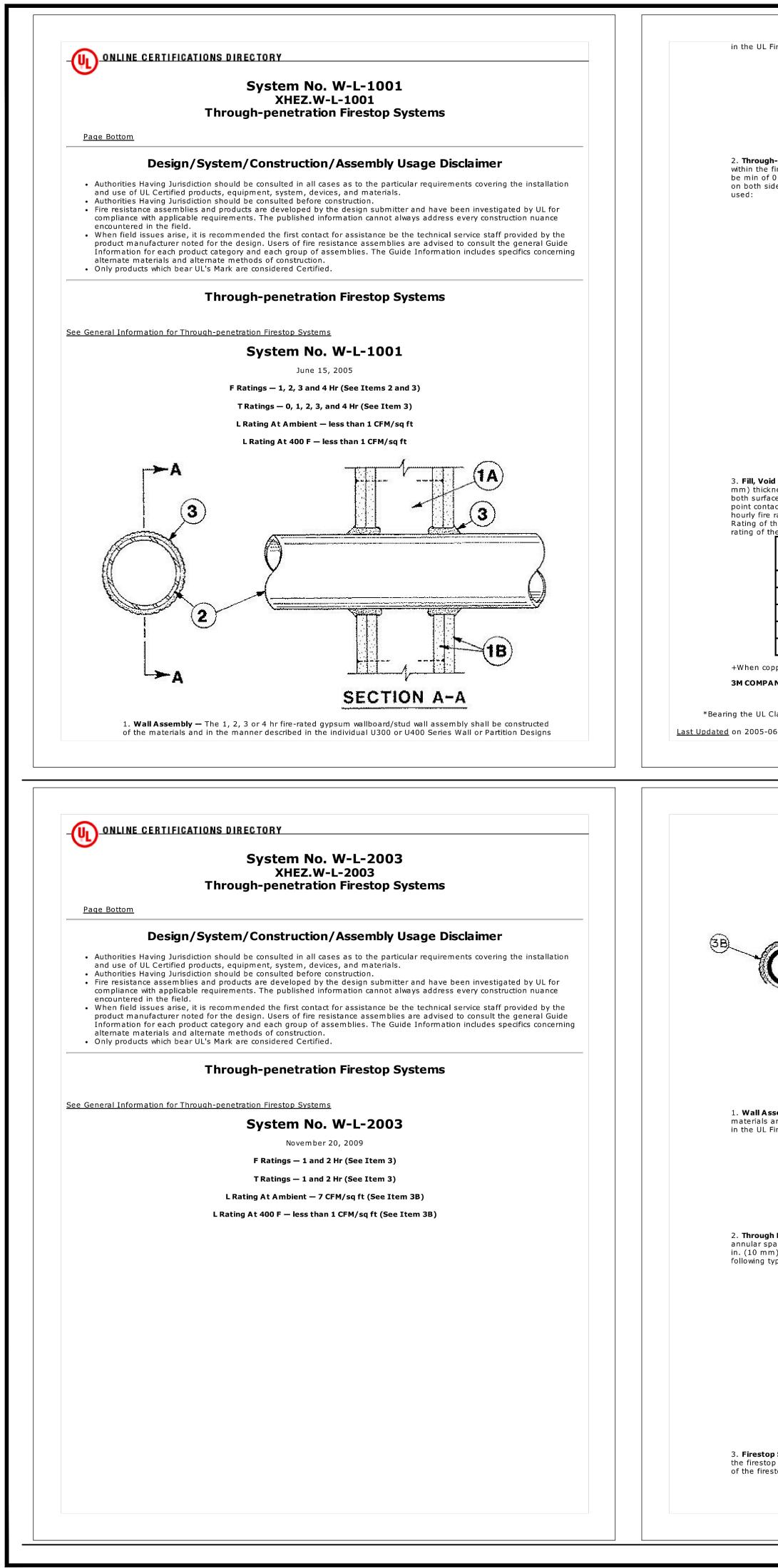








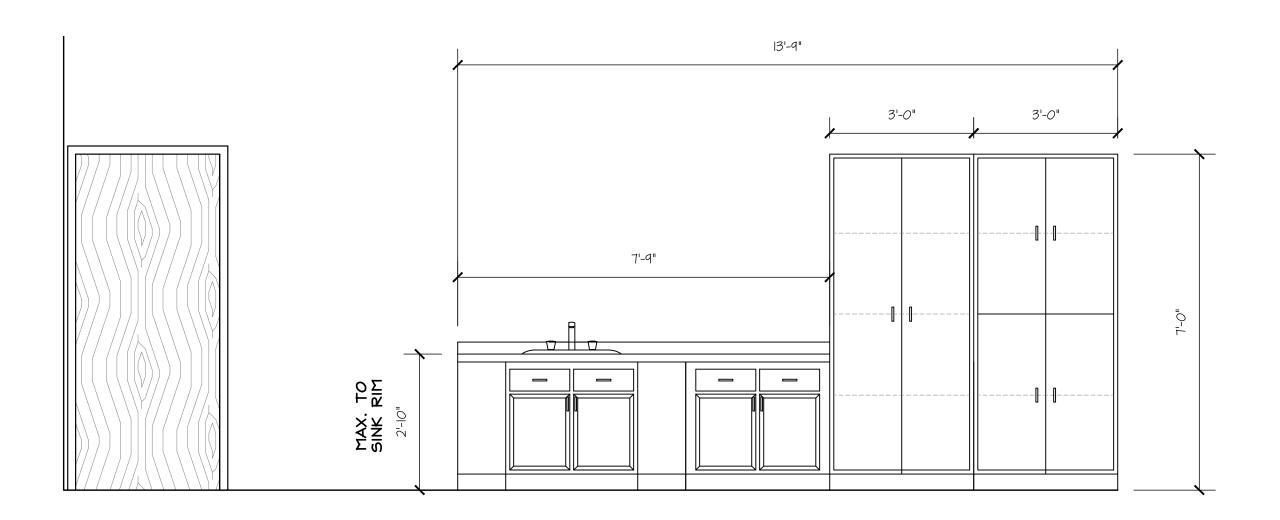
				SEAL: 074/22/2020
 Vapor Barrier - (Optional) — Nom 0.030 in. thick commercial asphalt saturated felt. Floor Mat Materials* - (Optional) — Nom 1/4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. When floor mat material is used, min thickness of floor topping mixture is 1 in. Floor topping thickness a min 3/4 in. over Acousti-Mat I floor mat. MAXXON CORP — Type Acousti-Mat I, Acousti-Mat II, Acousti-Mat II HP. 	 KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 65/075, Quiet Qurl 65/075 N Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 1/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in. KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 52/013 and Quiet Qurl 52/013 N 	3. Insulation - Batts and Blankets* — (Optional) — Glass fiber insulation, secured to the subflooring with staples, or to the wood joists with 0.090 in. diam galv steel wires, or draped over the resilient channel/gypsum panel (or Steel Framing Members/gypsum panel) ceiling membrane. Any thickness of glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.		O24/22/2020 JARED STUART FORSYTH 8304554-0307 CFD ARCHITE
Alternate Floor Mat Materials* — Nom 0.8 in. thick floor mat material loose laid over the subfloor with Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping mixture shall be min 1-1/2 in. MAXXON CORP — Type Acousti-Mat 3, Acousti-Mat 3 HP, Crack Suppression Mat (CSM), Maxxon Reinforcement (MR)	Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. ¼ in. entangled net core with a compressible fabric attached to the bottom loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in. KEENE BUILDING PRODUCTS CO INC — Quiet Qurl 55/025 MT and Quiet Qurl 55/025 N MT	 3A. Insulation - Loose Fill Material* — As an alternate to Item 3 — Any thickness of loose fill material bearing the UL Classification Marking for Surface Burning Characteristics, applied within the concealed space, over the resilient or furring channel/gypsum panel or Steel Framing Members/gypsum panel ceiling membrane. 3B. Insulation - Batts and Blankets* — (For Use When Structural Wood Members* are spaced 24 in OC) — Min. 1 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance draped over the resilient channel/gypsum panel (or Steel Framing 		STE. B 4 G.COM
Metal Lath — (Alternate to Crack Suppression Mat (CSM)) — 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd loose laid over the floor mat material. Floor topping thickness shall be min 1-1/2 in. Alternate Floor Mat Materials* — Nom 0.4 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer to be applied to the surface of the mat prior to the floor topping placement. Floor topping thickness shall be min 1-1/2 in.	System No. 5 Subflooring — Min 23/32 in. thick T&G wood structural panels, min grade "Underlayment" or "Single-Floor". Face grain of plywood or strength axis of panels to be perpendicular to the trusses with end joints staggered 4 ft. Panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.	 Members/gypsum panel) ceiling membrane. 4. Furring Channels — Resilient channels formed of 25 MSG thick galv steel. Installed perpendicular to the joists, spaced a max of 24 in. OC when no insulation is fitted in the concealed space, or 16 in. OC when insulation is fitted in the concealed space. Two courses of resilient channel positioned 6 in. OC at gypsum panel butt-joints (3 in. from each end of wallboard). Channels oriented opposite at gypsum panel butt-joints. Channel splices overlapped 4 in. beneath wood trusses. Channels secured to each truss with 1-1/4 in. long Type S screws. 4A. Alternate Steel Framing Members — (Not Shown) - As an alternate to Item 4, main runners, cross tees, 		ELOPE DR. : 1T 84041 01) 499-505 VERPEAKEN
 MAXXON CORP — Type Enkasonic 9110, Enkasonic 9110 HP. Metal Lath (Optional) — For use with floor mat materials, 3/8 in. expanded galvanized steel diamond mesh, 3.4 lbs/sq yd or Maxxon Corp. UL Classified Crack Suppression Mat (CSM) loose laid over the floor mat material. Floor topping thickness shall be min 1 in. MAXXON CORP — Type Crack Suppression Mat (CSM), Maxxon Reinforcement (MR) 	Gypsum Board* — One layer of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists. Gypsum board secured with 1 in. long No. 6 Type W bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches from the joints of the subfloor. GEORGIA-PACIFIC GYPSUMLLC — Type DS	cross channels and wall angle as listed below. a. Main Runners — Nom 10 or 12 ft long, 15/16 in. or 1-1/2 in. wide face, spaced 4 ft. OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 48 in. OC. Hanger wires to be located adjacent to main runner/cross tee intersections. Hanger wires wrapped and twist-tied on 16d nails driven in to side of joists at least 5 in. above the bottom face. b. Cross Tees — Nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main		177 E. ANT LAYTON, U PHONE: (80 WWW.SILV
Fiber Glass Mesh Reinforcement — (Optional) — Maxxon Corp's "Maxxon Reinforcement (MR)" for use with or as an alternate to CSM or metal lath reinforcement, the materials consists of a plastic coated non-woven fiber glass mesh grid intended to suppress cracks in the Floor Topping Mixture. Alternate Floor Mat Materials* — (Optional) — Nom 0.2 in. thick floor mat material loose laid over the subfloor. Maxxon Floor Primer may be applied to the surface of the mat prior to the floor topping placement.	 Floor Mat Materials* — (As an alternate to the single layer gypsum board) - Floor mat material loose laid over the subfloor. MAXXON CORP — Type Acousti-Mat I, Acousti-Mat II, Acousti-Mat II HP, Acousti-Mat 3 , Acousti-Mat 3 HP, Enkasonic 9110, Enkasonic 9110 HP, Acousti-Mat LP-R. 	runners, spaced 16 in. OC. Additional cross tees or cross channels used at 8 in. from each side of butted gypsum panel end joints. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation. c. Cross Channels — Nom 4 or 12 ft long, installed perpendicular to main runners, spaced 16 in. OC. When Batts and Blankets (Item 5) are used, cross channels spaced 16 in. OC. d. Wall Angle or Channel — Painted or galv steel angle with 1 in. legs or channel with 1		
Floor topping thickness shall be as specified under Floor Topping Mixture. MAXXON CORP — Type Acousti-Mat LP-R Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture depending upon floor mat system as specified above, having a min compressive strength of 1200 psi. Mixture shall consist of 4 to 7 gal of water to 80 lbs of floor topping mixture to 1.4 to 1.9 cu ft of sand.	 Gypsum Board* — (For use when floor mat is used) Two layers of nom 5/8 in. thick, 4 ft wide gypsum board, installed with long dimension perpendicular to joists on top of the floor mat material. Gypsum board secured to each other with 1 in. long No. 6 Type G bugle head steel screws spaced 12 in. OC and located a min of 1-1/2 in. from side and end joints. The joints of the gypsum board are to be staggered a minimum of 12 inches in between layers and from the joints of the subfloor. GEORGIA-PACIFIC GYPSUMLLC — Type DS 	in. legs, 1-9/16 in. deep attached to walls at perimeter of ceiling with fasteners 16 in. OC. To support steel framing member ends and for screw-attachment of the gypsum panels. CGC INC — Type DGL or RX. USG INTERIORS LLC — Type DGL or RX.		NG SURV
RAPID FLOOR SYSTEMS — Type RF, RFP, RFU, RFR, Ortecrete System No. 4 Subflooring — Min 15/32 in. thick wood structural panels, min grade "C-D" or "Sheathing". Face grain of plywood or strength axis of panels to be perpendicular to the joists with joints staggered.	System No. 6 Subflooring — Nom 19/32 in. thick wood structural panels installed perpendicular to the joists with end joints staggered. Plywood or panels secured to joists with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each joist. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.	4B. Alternate Steel Framing Members — (Not Shown)* — As an alternate to Items 4 and 4A, furring channels and Steel Framing Members as described below. a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 16 in. OC, perpendicular to joists. Channels secured to joists as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together		
 Vapor Barrier — (Optional) - Commercial asphalt saturated felt, 0.030 in. thick. Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial rosin-sized building paper. Finish Flooring* — Min 3/4 in. thickness of any Floor Topping Mixture bearing the UL Classification Marking as to Fire Resistance. See Floor- and Roof-Topping Mixtures (CCOX) category for names of Classified Companies. 	 Vapor Barrier — (Optional) - Nom 0.010 in. thick commercial asphalt saturated felt. Finish Flooring - Floor Topping Mixture* — Min 3/4 in. thickness of floor topping mixture having a minimum compressive strength of 1800 psi. Refer to manufacturer's instructions accompanying the material for specific mix design. UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD 	with double strand of No. 18 SWG galv steel wire near each end of overlap. b. Steel Framing Members* — Used to attach furring channels (Item a) to the wood joists (Item 2). Clips spaced a max of 38.4 in. OC, secured to alternating joists with No. 8 x 2-1/2 in. coarse drywall screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels. Adjoining channels are overlapped as described in Item a. As an alternate, ends of adjoining channels may be		ENGIN URAL
 Floor Mat Materials* — (Optional) - Nom. 1/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 3/4 in. KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 55/025 and Quiet Qurl 55/025 N Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/8 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1 in. 	Floor Mat Materials* — (Optional) - Floor mat material nom 1/16 in. loose laid over the subfloor. Refer to manufacturer's instructions regarding the minimum thickness of floor topping over each floor mat material. UNITED STATES GYPSUM CO — Types SAM, LEVELROCK® Brand Sound Reduction Board, LEVELROCK® Brand Floor Underlayment SRM-25	overlapped 6 in. and secured together with two self-tapping #6 framing screws, min. 7/16 in. long at the midpoint of the overlap, with one screw on each flange of the channel. Additional clips required to hold furring channel that supports the wallboard butt joints, as described in Item 5. PAC INTERNATIONAL INC — Types RSIC-1, RSIC-1 (2.75).		SILV
KEENE BUILDING PRODUCTS CO INC — Type Quiet Qurl 60/040 and Quiet Qurl 60/040 N Alternate Floor Mat Materials* — (Optional) - Floor mat material Nom. 3/4 in. thick loose laid over the subfloor. Floor topping thickness shall be a minimum of 1-1/2 in.	 2. Structural Wood Members* — Min 9-1/2 in. deep "I" shaped wood joists spaced at a max of 19.2 in. OC, and blocked at the ends using 2 in. by 10 in. wood members. Min joists bearing on plates shall be 5-1/2 in. Joists secured to the bearing plates with two 8d or 10d nails at each end. Spacing may be increased when Batts and Blankets* (Item 3B) is used. WEYERHAEUSER NR — Types TJI® 360, TJI® 560, TJI®/L65, TJI®/L90, TJI®/H90, TJI®/HD90, TJI®/HS90, TJI® 100C, TJI® 300C. 	 4C. Alternate Steel Framing Members – (Not Shown)* – As an alternate to Items 4, 4A, and 4B, furring channels and Steel Framing Members as described below. a. Furring Channels – Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced 24 in. OC, perpendicular to joists. When insulation, Items 3, 3A, or 3B is used, the furring channel spacing shall be reduced to 16 in. OC. Channels secured to joists as 		
 described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. b. Steel Framing Members* – Used to attach furring channels (Item a) to the wood joists (Item 2). When wood joists are spaced 19.2 in. OC, clips spaced a max of 48 in. OC. Genie Clips secured to alternating joists with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. Additional clips required to hold furring channel that supports the wallboard but joints, as described in Item 5. PLITEQ INC – Type Genie Clip 4D. Alternate Steel Framing Members – (Not Shown)* - As an alternate to Items 4-4B, furring channels and Steel Framing Members as described below. a. Furring Channels – Formed of No. 25 MSG galv steel, 2-5/8 in. wide by 7/8 in deep, spaced 24 in OC, perpendicular to joints. When insulation, Item 3, 3A, or 38 is used, the furring channel spacing shall be reduced to 16 in. OC. Channels secured to joints as described below. b. Steel Framing Members* – Used to attach furring channels (Item a) to the wood joints (Item 2). Clips spaced 24 in OC, and secured to 4 ho the bottom of the joints with one No. 10 x 2-1/2 Coarse Drywell Screw through the center hole, Furring channels are then friction fitter 3. Clips spaced 24 in So of channels are overlapped 6³ and screw dwt hfour 85 x 1/2 Self Drilling screws (2 per side 1 in. and 4 in. from overlap edge). Additional clips are required to hold the regliment Advance and the field of the period to the source of the source of the field of the panel. The field of the panel The field of the panel The field of the panel. The field of the panel screw spaced 8 in. OC and secured of joints as described in Item 5. Steel Framing Members* – Hused to attach furring channels are then friction fitter into the source space at the sevent the soblet of the panel. The field of the	GEORGIA-PACIFIC GYPSUM LLC — Types 5, DAPC, TG-C UNITED STATES GYPSUM CO — 1/2 in. Type C, IP-X2, IPC-AR; 5/8 in. Type C, SCX, IP-X1, IP-X2. USG MEXICO S A DE CY — 1/2 in. Type C, IP-X2, IPC-AR; 5/8 in. Type C, SCX, IP-X1, IP-X2. 6. Finishing System — Fiber tape embedded in compound over joints and exposed nail heads, covered with compound wite deges of compound feathered out. As an eltemate, nem 3/32 in. thick system veneer plaster may be applied to the entire surface of dasaffed veneer baseboard. Joints reinforced. *Bearing the UL Classification Mark Last Updated on 2013-11-01 Questions2 Print this cace Environment database for additional information regarding this products certification. When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the <u>UL Environment database</u> for additional information regarding this products certification. When the UL Leaf Mark is on the product, or when the word "Environment" is included in the UL Mark, please search the <u>UL Environment database</u> for additional information regarding this products bearing the U. Mark should be considered to be Certified and cover during rules follow-UD Service. Always look for the Mark on the product. UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The edide information. Assemblice, Constructions, pleasen Byteces, and/or Certifications (files) must be presented in their certified and cover during the presented in the following format: "© 2014 UL LIC".		<u>UL DESIGN L589 (CONT)</u>	DAVINCI ACADEMY - SUITES D, E, & 850 WEST 350 NORTH KAYSVILLE, UT 84037
in the field. Butted end joints to be offset min 12 in. from base layer end joints. Butted side joints of outer layer to be offset min 12 in. from butted side joints of base layer. When Steel Framing Members (Item 4C) are used, panels installed with long dimension parallel with joists. Base layer attached to the furring channels using 1 in. long Type S bugle-head steel screws spaced 8 in. OC along butted end joints and 12 in. OC in the field of the panels. Butted end joints shall be staggered min. 2 ft. within the assembly, and occur midway between the continuous furring channels. Each end of the gypsum panels shall be supported by a single length of furring channel equal to the width of the panel plus 6 in. on each end. The furring channels shall be spaced approximately 3-1/2 in. OC, and be attached to underside of the joist with one Genie clip at each end of the channel. Butted base layer end joints to be offset a minimum of 24 in. in adjacent courses. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints to be offset min 12 in. from base layer end joints. Butted side joints of outer layer to be offset min 12 in. from butted side joints of base layer. When Steel Framing Members (Item 4D) are used, base layer is installed with long dimensions perpendicular to furring channels. Gypsum board secured to furring channels with nom 1 in. long Type S bugle-head steel screws spaced 8 in. OC in the field of the board. Gypsum board butted end joints shall be supported by a single length of furring channel equal to the width of the gypsum board shall be supported by a single length of furring channel equal to the width of the gypsum board plus 3 in. on each end, spaced approximately 2 in. in from joint. Screw spacing along the gypsum board plus 3 in. OC. Butt joint furring channels shall				DATE: 04/22/2020 PROJECT: 16-153.07 DRAWN BY: WM REVISIONS:
be attached with a RESILMOUNT Sound Isolation Clip secured to underside of every joist that is located over the butt joint. Over all Gypsum Board side joints, approximately 20 in. lengths of furring channel shall be installed parallel to joists (Item 2) between main furring channels. Side joint furring channels shall be attached to underside of the joist with RESILMOUNT Sound Isolation Clips - Type A237R located approximately 2 in. from each end of the approximate 20 in. length of channel. Both Gypsum Boards at side joints fastened into channel with screws spaced 8 in. OC, approximately 1/2 in. from joint edge. Outer layer attached to the furring channels using 1-5/8 in. long Type S bugle-head steel screws spaced 8 in. OC at butted joints and 12 in. OC in the field. Butted end joints to be offset min 12 in. from base layer end joints. Butted side joints of outer layer to be offset min 12 in. from butted side joints of base layer.				UL DESIGN SHEETS
CGC INC — 1/2 in. Type C, IP-X2, IPC-AR; 5/8 in. Type C, SCX, IP-X1, IP-X2.			UL DESIGN L589 (CONT) 🦯	SHEET NUMBER: A603



PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

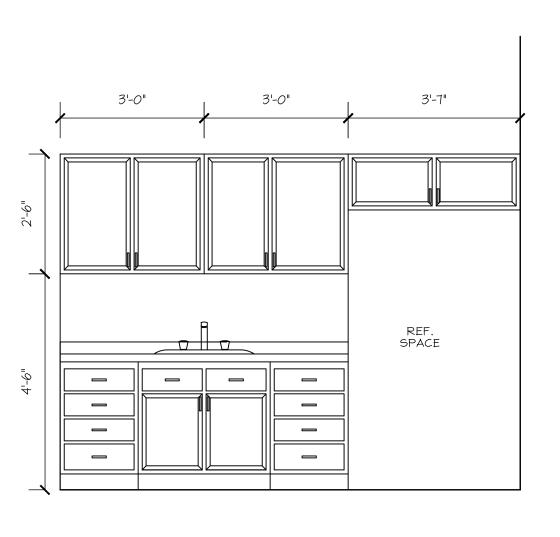
- Fire Resistance Directory and sha	2			Questions?	Print this page	<u>Terms of Use</u>
mm) lumber spaced 16 in.	el studs. Wood studs to (406 mm) OC with nom	studs (max 2 h fire rated consist of nom 2 by 4 in. (51 b 2 by 4 in. (51 by 102 mm) lum 3-5/8 in. (92 mm) wide by 1-3,	iber			
(35 mm) deep channels spa B. Gypsum Board* — Nom 1	aced max 24 in. (610 m 1/2 or 5/8 in. (13 or 16 ı	m) OC. mm) thick, 4 ft. (122 cm) wide	with	<u>Environment database</u> for ad	the product, or when the word ditional information regarding ny's name or product in this da	this product's certification.
fastener type and sheet orig	entation shall be as spe	be, thickness, number of layers cified in the individual U300 or ax diam of opening is 26 in. (6	Ú400	manufactured under UL's Fol covered under UL's Follow-Up	low-Up Service. Only those pro Service. Always look for the M	ducts bearing the UL Mark sh 1ark on the product.
gh-Penetrant — One metallic pipe e firestop system. The annular sp of 0 in / (0 mm). (point contact) to	ace between pipe, condu	uit or tubing and periphery of o	pening shall	The Guide Information, Asse entirety and in a non-mislea	of the material contained in th mblies, Constructions, Designs ding manner, without any man ctory with permission from UL"	s, Systems, and/or Certificati ipulation of the data (or drav
sides of wall assembly. The follow	ving types and sizes of n	netallic pipes, conduits or tubin	g may be		de a copyright notice in the fo	
pipe.		aller) Schedule 10 (or heavier) s ller) service weight (or heavier)				
iron pressure pipe.	, (er) or Class 50 (or heavier) duc				
mm) diam (or smaller) stee D. Copper Tubing — Nom 6 i	el electrical metallic tubir					
tubing E. Copper Pipe — Nom 6 in. pipe.	(152 mm) diam (or sm	aller) Regular (or heavier) copp	per			
		Piping The following types of ste	eel			
on piping may or may not b		ble metal gas piping. Plastic cov es of floor or wall assembly.	vering			
OMEGA FLEX INC 2. Nom 1 in. (25 mm) diam on piping may or may not b		ble metal gas piping. Plastic cov es of floor or wall assembly.	vering			
GASTITE, DIV OF TITEFLEX 3. Nom 1 in. (25 mm) diam		ole metal gas piping. Plastic cov	vering			
on piping may or may not b WARD MFG L L C	pe removed on both side	es of floor or wall assembly.				
oid or Cavity Material* — Caulk or ckness of caulk for 1, 2, 3 and 4 k faces of wall. Min 1/4 in. (6 mm) ntact location on both sides of wal	nr rated assemblies, res diam bead of caulk appl I. The hourly F Rating of	pectively, applied within annulu lied to gypsum board/penetran the firestop system is depend	s, flush with t interface at ent upon the			
re rating of the wall assembly in w f the firestop system is dependen the wall assembly in which it is in	t upon the type or size stalled, as tabulated be	of the pipe or conduit and the H low:				
Max Pipe or Conduit Diam In (mm)	F Rating Hr	T Rating Hr				
1 (25) 1 (25)	1 or 2 3 or 4	0+, 1 or 2 3 or 4	-			
4 (102) 6 (152)	1 or 2 3 or 4	0				
12 (305)	1 or 2	0]			
copper pipe is used, T Rating is 0 PANY — CP 25WB+ or FB-3000 W						
- Classification Mark						
-06-15						
					side out) with seam butted. W	rap strip laver securely bound
		(IA)			foil tape and slid into annular (19 mm) of the wrap strip prot 3M COMPANY — FS-195+	space approx 1-1/4 in. (32 n
⊢≻ A	Ţ		8		B. Fill, Void or Cavity Materials	s* — Caully Sealant or Dutty
					thickness of caulk or putty app of opening. A nom 1/4 in. (6 r wrap strip/wall interface and to	plied into annular space betw mm) diam bead of caulk or p the exposed edge of the wr
j 3A	(3A)				(19 mm) from the wall surface 3M COMPANY — CP 25WB+ ca caulk or FB-3000 WT sealant.	ulk or MP+ Stix putty, IC 15\ (Note: L Ratings apply only v
\cap	9	1774			or FB-3000 WT sealant is usec CPVC pipes.)	d. CP 25WB+ and FireDam 15
2	-d				C. Foil Tape — (not shown) — I wrapped around pipe prior to t	he installation of the wrap st
		E E	€ 1		wrap, flush with both sides of v pipes shown in Items 2A, 2B a sification Mark	
				Last Updated on 2009-11-20		
→ A	یا۔۔۔ Si			<u>Questions?</u>	<u>Print this page</u>	<u>Terms of Use</u>
Assembly — The 1 or 2 hr fire-rate s and in the manner described in	the individual U300, U40	00 or V400 Series Wall or Partit			the product, or when the word ditional information regarding	
	ay consist of either wood	construction features: studs or steel channel studs. \ lumber spaced 16 in. (406 mm		manufactured under UL's Fol	ny's name or product in this da low-Up Service. Only those pro o Service. Always look for the M	ducts bearing the UL Mark sh
with nom 2 by 4 in. (51 by 1	102 mm) lumber end pla	ates and cross braces. Steel stund n) deep channels spaced max :	ids to	The Guide Information, Asse entirety and in a non-mislea	of the material contained in th mblies, Constructions, Design: ding manner, without any man	s, Systems, and/or Certificati iipulation of the data (or drav
edges. The gypsum board t	ype, thickness, number	22 cm) wide with square or tape of layers, fastener type and sh 300, U400 or V400 Series Desig	leet		ctory with permission from UL" de a copyright notice in the fo	
the UL Fire Resistance Direc gh Penetrants — One nonmetallic space between pipe or conduit and	c pipe or conduit to be ce	entered in the through opening				
nm). Pipe or conduit to be rigidly s types and sizes of nonmetallic pi	supported on both sides ipes or conduits may be	of the floor-ceiling assembly.	The			
solid core PVC pipe for use vent) piping system.	in closed (process or su	pply) or vented (drain, waste or				
80) PVC conduit installed in	accordance with the Nat	m) diam (or smaller)(Schedule ional electric Code (NFPA No. 71 m 2 in. (51 mm) diam (or sma	0).			
	hloride (ccPVC) Pipe — N	ipply) piping systems. Nom 2 in. (51 mm) diam (or in closed (process or supply) o	r			
vented (drain, waste or vent E. Acrylonitrile Butadiene S	t) piping system. Styrene (ABS) Pipe — No	m 2 in. (51 mm) diam (or sma	aller)			
waste or vent) piping systen F. Cellular Core Acrylonitrik	ns. e Butadiene Styrene (cc.	orocess or supply) or vented (dr ABS) Pipe — Nom 2 in. (51 mm				
	40 cellular core ABS pipe aste or vent) piping syste	e for use in closed (process or ems.				
top system are equal to the hourl restop system shall be as follows.	y fire rating of the wall a	assembly in which it is installed.	. The details			
elastomeric material faced o	on one side with aluminu	m 1/4 in. (6 mm) thick intume: um foil, supplied in 2 in. (51 m apped around nonmetallic pipe	m)			

Page Top © 2014 UL LLC in the UL Mark, please search the IL issure that products so identified have been should be considered to be Certified and ctory subject to the following conditions: 1: ations (files) must be presented in their rawings). 2. The statement "Reprinted from the extracted material. In addition, the LLC".		Internet and the stand of
ty — Min 5/8 in. (16 mm) 2 mm) such that approx 3/4 in. e. ty — Min 5/8 in. (16 mm) tween wap strip and periphery r putty to be applied to the wap strip layers approx 3/4 in. 15WB+ caulk, FireDam 150+ y when Type CP 25WB+ caulk 150+ not suitable for use with 3 mil thick aluminum tape strip (Item 3A). Min of one d. Tape is not required for Page Top © 2014 UL LLC I in the UL Mark, please search the <u>UL</u> assure that products so identified have been should be considered to be Certified and tory subject to the following conditions: 1. ations (files) must be presented in their rawings). 2. The statement "Reprinted from the extracted material. In addition, the LLC".	SYSTEM NO. W-L-1001	DAVINCI ACADEMY - SUITES D, E, & F 850 WEST 350 NORTH KAYSVILLE, UT 84037
		DATE: 04/22/2020 PROJECT: 16-153.07 DRAWN BY: WM REVISIONS:
	SYSTEM NO. W-L-2003	SHEET NUMBER: A604

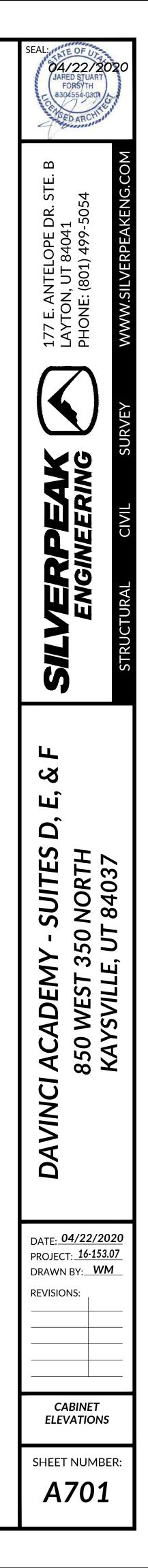




MAY BE REVERSED, SEE PLANS



SCALE: 1/2" = 1'-0" — MAY BE REVERSED, SEE PLANS





GENERAL NOTES:

- VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT SUBSTITUTE APPROVAL OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS AND ARE MERELY FOR THE PURPOSE OF OBSERVING THE WORK PERFORMED.
- 2. CONTRACTOR SHALL NOTIFY ENGINEER/ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN ALL CASES, UNLESS OTHERWISE DIRECTED, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED
- CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS, ETC., AT THE SITE AND SHALL COORDINATE WORK PERFORMED BY ALL TRADES. DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND ELEVATIONS, ETC., AT THE SITE AND SHALL COORDINATE WORK PERFORMED BY ALL TRADES. DO NOT SCALE DRAWINGS.
- SIZES, LOCATIONS, LOADS, AND ANCHORAGES OF EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH EQUIPMENT MANUFACTURERS (SUPPLIERS) PRIOR TO FABRICATION OR INSTALLATION OF SUPPORTING STRUCTURES.
- 6. TEMPORARY BRACING SHALL BE PROVIDED WHEREVER NECESSARY TO TAKE CARE OF ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING WIND. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY, OR UNTIL ALL THE STRUCTURAL ELEMENTS ARE INSTALLED.
- DURING AND AFTER CONSTRUCTION THE CONTRACTOR AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN THE LIMITS OF THE DESIGN LOAD.
- 8. CONTRACTOR AND ALL SUBCONTRACTORS SHALL PERFORM THEIR TRADES AND DUTIES IN A MANNER CONFORMING TO THE PROCEDURES AND REQUIREMENTS AS STATED IN THE CURRENTLY ADOPTED INTERNATIONAL BUILDING CODE, (OR LATEST ACCEPTED CODE ADOPTED BY THE LOCAL BUILDING OFFICIALS).
- ANY SPECIAL INSPECTIONS REQUIRED BY THE BUILDING OFFICIAL OR THE BUILDING CODE ARE THE RESPONSIBILITY OF THE OWNER OR CONTRACTOR.
- IO. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION WITHIN AND ADJACENT TO THE JOB SITE.

FOUNDATION AND EARTHWORK NOTES

- I. SOILS INFORMATION / REPORT
- I.I. SOILS REPORT BY SOILS REPORT PROJECT NUMBER
- DATED 1.2. SOIL BEARING CAPACITY (PSF)
- CMT ENGINEERING 9474 3/24/2017 2,000, ON COMPACTED FILL
- 2. ANY SOIL CONDITION ENCOUNTERED DURING EXCAVATION THAT IS CONTRARY TO THOSE USED FOR DESIGN OF FOOTINGS AS OUTLINED IN THE WORKING DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATIVE SOIL OR ENGINEERED GRANULAR FILL COMPACTED TO 95% OF MAX DENSITY, BASED ON ASTM D 1557 METHOD OF COMPACTION. FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED SIX INCHES IN DEPTH AFTER COMPACTION AND SHALL EXTEND DOWN TO IN-SITU SOILS. FILL SHALL BE COMPACTED UNDER ALL CONCRETE WORK ON THE SITE.
- 4. NO FOOTINGS SHALL BE PLACED IN WATER, SNOW, FROZEN GROUND, OR UNSTABLE SOILS.
- 5. ALL EXCAVATIONS ADJACENT TO AND BELOW FOOTING ELEVATION FOR OTHER TRADES SHALL BE ACCOMPLISHED PRIOR TO POURING ANY FOOTINGS.
- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR LATERALLY SUPPORTING ALL RETAINING TYPE FOUNDATION WALLS WHILE COMPACTING BEHIND WALLS AND UNTIL ALL SUPPORTING MEMBERS HAVE BEEN PLACED (SUCH AS FLOOR SLABS). ALL OPEN EXCAVATIONS AND TRENCHES SHALL BE SUPPORTED AND BARRICADED BY CONTRACTOR TO CONFORM WITH OSHA SAFETY STANDARDS.
- 7. ALL REINFORCEMENTS SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE.
- 8. CONSULT THE PROJECT SPECIFICATIONS AND SOILS REPORT FOR FURTHER EARTHWORK REQUIREMENTS.

CONCRETE NOTES

- . CONCRETE MATERIALS:
- I.I. CEMENT TYPE ASTM C-150 TYPE I/II
- CEMENT SOURCE SHALL REMAIN THE SAME FOR THE ENTIRE JOB. I.2. FLY ASH - ASTM COI8 CLASS F, 25% MAX CEMENT. CONTENT
- I.3. ADMIXTURES: I.3.I. AIR-ENTRAINING - ASTM C260
- I.3.2. WATER-REDUCING ADMIXTURE ASTM C494, TYPE A
- I.3.3. RETARDING ADMIXTURE ASTM C494, TYPE B
- 1.3.4. WATER-REDUCING AND RETARDING ADMIXTURE ASTM C494, TYPE F
- 1.3.5. HIGH-RANGE, WATER-REDUCING AND RETARDING ADMIXTURE ASTM 494, TYPE G
- 1.3.6. ADMIXTURE MANUFACTURER SHALL HAVE ISO 9001 QUALITY CERTIFICATION.
- 1.3.7. ALL ADMIXTURES SHALL BE FROM THE SAME MANUFACTURER TO ENSURE COMPATIBILITY
- 1.3.8. CALCIUM CHLORIDE SHALL NOT BE ADDED TO THE CONCRETE MIX
- I.4. NORMAL WEIGHT AGGREGATES ASTM C33
- 1.4.2. COMBINED AGGREGATE GRADATION FOR SLABS ON GRADE AND OTHER DESIGNATED CONCRETE SHALL BE 8% TO 18% FOR LARGE TOP SIZE AGGREGATES (1 1/2") OR 8% TO 22% FOR SMALLER TOP SIZE AGGREGATES (1" OR 3/4") RETAINED ON EACH SIEVE BELOW THE TOP SIZE AND ABOVE THE NO. 100. THE RANGE FOR THE NO. 30 AND NO. 50 SIEVES SHALL BE 8% TO 15% RETAINED IN EACH. TO AVOID GAP GRADING THE FOLLOWING SHALL OCCUR.
- 1.4.2.1. THE PERCENT RETAINED ON TWO ADJACENT SIEVES SHALL NOT FALL BELOW
- 1.4.2.2. THE PERCENT RETAINED ON THREE ADJACENT SIEVES THAT NOT FALL BELOW
- 8% 1.4.2.3. WHEN THE PERCENT RETAINED ON TWO ADJACENT SIEVES IS LESS THAN 8%, THE TOTAL RETAINED ON EITHER OF THESE SIEVES AND THE ADJACENT OUTSIDE SIEVE SHALL BE AT LEAST 13%. SEE ACI 302 SECTION 5.4.3.3
- 1.4.3. MAXIMUM AGGREGATE SIZE SHALL BE NOT LARGER THAN:
- 1.4.3.1. 1/5 THE NARROWEST DIMENSION OF THE FORMS 1.4.3.2. 1/3 THE DEPTH OF THE SLAB
- 1.4.3.3. 3/4 THE MINIMUM SPACING BETWEEN BARS
- I.5. REINFORCING STEEL ASTM A615, GRADE GO (Fy = 60 ksi)
- USE GRADE 40 (Fy = 40 ksi) FOR FIELD BENT DOWELS WITH SPACINGS REDUCED BY 1/3 FROM THAT INDICATED IN THE DRAWINGS.
- I.6. ANCHOR RODS (TYPICAL) ASTM FI554, GRADE 36
- 1.7. WATER CEMENT RATIO SHALL MEET THE REQUIREMENTS OF ACI 318 I.8. PROVIDE AIR ENTRAINMENT AS RECOMMENDED BY ACI 318.
- HORIZONTAL USE CONCRETE THAT EXTENDS ABOVE GRADE AND IS EXPOSED TO FREEZING AND THAWING WHILE MOIST SHALL BE AIR ENTRAINED (UNLESS OTHERWISE INDICATED)
- 1.9. ITEMS NOT PERMITTED TO BE DIRECTLY EMBEDED IN CONCRETE ARE ALUMINUM CONDUIT PRODUCTS CONTAINING ALUMINUM, OR OTHER SUCH NON-COMPATIBLE MATERIALS.
- 2. CONCRETE COMPRESSIVE STRENGTHS OF CONCRETE AT 28 DAYS AND ACI 318 CLASSIFICATIONS SHALL BE AS FOLLOWS (OR AS OTHERWISE INDICATED)
- 2.1. INTERIOR FOOTINGS & INTERIOR FOUNDATION WALLS STRENGTH 3,000 PSI FO, SO, WO, CO **CLASSIFICATION** 2.2. INTERIOR SLABS ON GRADE 3,000 PSI STRENGTH **CLASSIFICATION** FO, SO, WO, CO
- 2.3. WAREHOUSE INTERIOR SLABS-ON-GRADE STRENGTH 3,000 PSI CLASSIFICATION FO, SO, WO, CO

- 3. REINFORCEMENT COVER
- 3.1. CAST-IN-PLACE CONCRETE <u>CLEAR COVER</u> 3.I.I. PERMANENTLY CAST AGAINST EARTH 3.1.2. CONCRETE NOT EXPOSED TO WEATHER OR AGAINST EARTH SLABS, WALLS AND THEIR PIERS 3/4" BEAMS, COLUMNS: | |/2"
- 4. ONLY ONE GRADE OR TYPE OF CONCRETE SHALL BE POURED ON THE SITE AT ANY GIVEN TIME.
- 4.1. ALL CONCRETE WORK SHALL BE PLACED, CURED, STRIPPED, AND PROTECTED AS DIRECTED BY THE ACI STANDARDS AND PRACTICES
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING AND FORMWORK. 5.1. SUPPORTING FORMS AND SHORING SHALL NOT BE REMOVED UNTIL STRUCTURAL MEMB HAVE ACQUIRED SUFFICIENT STRENGTH TO SAFELY SUPPORT THEIR OWN WEIGHT AND CONSTRUCTION LOAD TO WHICH THE MAY BE SUBJECTED.
- 6. CONSTRUCTION JOINTS, CONTROL JOINTS
- 6.1. UNLESS OTHERWISE NOTED, ALL CONSTRUCTION JOINTS SHALL BE KEYED WITH A KEY DEEP, A LENGTH 2" LESS THAN THE MEMBER, AND A WIDTH 1/2 OF THE MEMBER. REINFORCING SHALL BE CONTINUOUS THRU JOINT.
- 6.2. UNLESS NOTED OTHERWISE, CONTROL JOINTS (CONTRACTION JOINTS) SHALL BE SPACE NO FURTHER THAN 30 TIMES THE SLAB THICKNESS. THE CONTROL JOINTS SHALL BE INSTALLED SO THAT THE LENGTH TO WIDTH RATIO IS NO MORE THAN 1.20:1. 6.2.1. CONTROL JOINTS SHALL BE COMPLETED AS SOON AS FINAL SET IS ACHIEVED. JOINT DEPTH FOR SAWCUT AND TOOLED JOINTS SHALL BE 1/4" THE SLAB THICKN THE SAWCUT DEPTH SHALL INCREASE TO 1/3 THE SLAB THICKNESS FOR MACRO
- 7. CONSTRUCTION AND DETAILING

FIBER REINFORCED SLABS.

- 7.1. ALL SPLICES IN CONTINUOUS CONCRETE REINFORCING BARS SHALL LAP 40 BAR DIAMETERS. ALL SUCH SPLICES SHALL BE MADE IN A REGION OF COMPRESSION UNLESS OTHERWISE SHOWN.
- 7.2. BEFORE CONCRETE IS POURED CHECK WITH ALL TRADES TO INSURE PROPER PLACEM OF ALL OPENINGS, SLEEVES, CURBS, CONDUITS, BOLTS, INSERTS, ETC. RELATIVE TO WO 7.3. NO PIPES, DUCTS, SLEEVES, ETC SHALL BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. PENETRATIO
- THROUGH WALLS WHEN APPROVED SHALL BE BUILT INTO THE WALL PRIOR TO CONCRE PLACEMENT. PENETRATIONS THROUGH WALLS WHEN APPROVED SHALL BE BUILT INTO WALL PRIOR TO CONCRETE PLACEMENT. 7.4. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE
- CURRENT VERSION OF ACI-318. 7.5. USE CHAIRS OR OTHER SUPPORT DEVICES RECOMMENDED BY THE CRSI TO SUPPORT
- TIE REINFORCEMENT BARS PRIOR TO PLACING CONCRETE. REINFORCING STEEL FOR SLABS ON GRADE AND SLABS OVER METAL DECK SHALL BE ADEQUATELY SUPPORTE SUPPORT REINFORCING STEEL OF SLABS ON GRADE WITH PRECAST CONCRETE UNITS. LIFTING THE REINFORCING OFF THE GRADE DURING PLACEMENT IS NOT PERMITTED. 1.6. REINFORCING BARS SHALL NOT BE WELDED UNLESS SPECIFICALLY NOTED ON DRAWINGS.

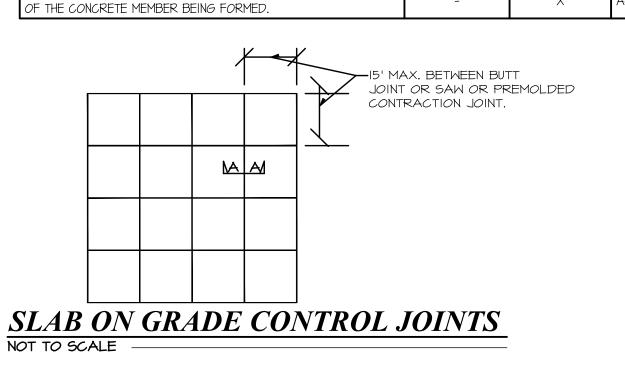
LUMBER NOTES

WOOD M	ATERIALS	
	MING LUMBER	
l.l.l.	STUDS BEARING WALLS	DOUG-FIR LARCH
1.1.2.	STUDS NON BEARING WALLS	DOUG-FIR LARCH
1.1.3.	JOISTS	DOUG-FIR LARCH
1.1.4.	HEADERS	DOUG-FIR LARCH
1.1.5.	POSTS	DOUG-FIR LARCH
1.1.6.	SILL PLATES IN CONTACT WITH CONCRETE	DOUG-FIR LARCH
I.2. ENG	NEERED LUMBER	
1.2.1.	LAMINATED VENEER LUMBER (LVL)	1.9E
I.3. SHEA	ATHING	
1.4. WOC	D SHEATHING SHALL BE UNSANDED PLYWOOD	OR ORIENTED STR.

- AND SHALL BE INTERIOR GRADE WITH EXTERIOR GLUE AND HAVE THE MINIMUM FOLLOWING SPAN RATING AND THICKNESS, UNLESS NOTED OTHERWISE. 24/0 WALLS (**7/16** INCH THICK) 48/24 FLOORS (23/32 INCH THICK)
- 2. WHERE NOT NOTED OTHERWISE, CONNECT ALL WOOD TO CONCRETE, WOOD TO STEEL AND WOOD TO WOOD (EXCEPT STUD TO PLATE) WITH SIMPSON CONNECTORS OR APPROVED EQUAL.
- 3. ALL WOOD IN DIRECT CONTACT WITH CONCRETE, MASONRY OR SOIL SHALL BE PRESSURE TREATED OR BE REDWOOD
- 4. ALL MULTIPLE PLATES AND LEDGERS SHALL BE NAILED TOGETHER WITH 16d NAILS AT 8" ON CENTER.
- 5. STUD WALLS SHALL RUN CONTINUOUS BETWEEN POINTS OF HORIZONTAL SUPPORT. PROVIDE BRACING WHERE OTHERWISE.
- 6. BLOCK ALL HORIZONTAL EDGES OF PLYWOOD WALL SHEATHING OR GYPBOARD SHEAR PANLES WITH 2" NOMINAL BLOCKING. BLOCK EDGES OF PLYWOOD ON FLOORS AS DIRECTED ON DRAWINGS.
- 7. SOLID 2" NOMINAL BLOCKING (SHAPED AND FULL DEPTH) SHALL BE PROVIDED AT ENDS OR POINTS OF SUPPORT OF ALL WOOD JOISTS. ATTACH BLOCKING TO THE WOOD TOP PLATE WITH ONE SIMPSON 'A35' CONNECTOR PER EACH PIECE OF BLOCKING WITH (12) 8d x 1-1/2" NAILS.
- 8. ALL WALLS SHALL HAVE A MINIMUM OF TWO TOP PLATES. SPLICES IN TOP PLATES SHALL BE STAGGERED A MINIMUM OF FOUR FEET FROM THE NEAREST ADJOINING SPLICE IN THE TOP PLATE.
- 9. ALL LEDGER BOLTS SHALL HAVE PLATE WASHERS WITH A MINIMUM DIA. EQUAL TO 3 TIMES THE BOLT DIA. UNLESS SHOWN OTHERWISE IN DETAILS.
- 10. MINIMUM NAILING FOR GENERAL FRAMING AND CARPENTRY SHALL BE PER THE IRC/IBC OR PER THE "MINIMUM NAILING SCHEDULE" IN THESE DRAWINGS.
- II. FASTENERS SUCH AS STAPLES, CAN ONLY BE SUBSTITUTED FOR NAILS AT A RATE EQUAL TO LOAD VALUES PROVIDED BY I.C.B.O. APPROVAL. SEE EQUIVALENT STAPLE SCHEDULE IN THESE DRAWINGS.
- 12. JOISTS SHALL HAVE BRIDGING, BLOCKING AND NOTCHED BEARING PLATES AS RECOMMENDED BY THE MANUFACTURER WITH A MINIMUM OF ONE ROW OF BRACING AT MID SPAN. MANUFACTURER SHALL SUPPLY AND CONTRACTOR SHALL INSTALL. PROVIDE AT 8'-O" O.C. MAXIMUM BETWEEN JOIST END SUPPORTS.
- 13. ALL FASTENERS (I.E. NAILS, SCREWS, ANCHOR BOLTS, ETC.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOD (I.E. SILL PLATES) SHALL MEET THE REQUIREMENTS OF IBC 2304.10.5.1

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

	SPECIAL INSPECTIONS AND TESTS OF WOOD						
=N	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTIONS	REFERENCED STANDARD			
_11	WOOD DIAPHRAGMS A	AND SHEAR WA	LLS				
1BERS D ANY	I. VERIFY WOOD PANEL SHEATHING, GRADE, THICKNESS AND NOMINAL SIZE OF FRAMING MEMBERS, ADJOINING PANEL EDGES, NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHING THE LATERAL FORCE RESISTING SYSTEM.	-	Х				
Y - /2"	REQUIRED SPECIAL INSPI CONCRETE CO			STS OF			
CED	TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD			
. THE KNESS. D	I. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.	_	Х	ACI 318 CH. 20, 25.2, 25.3, 26.5.1-26.5.3			
	3. INSPECT ANCHORS CAST IN CONCRETE						
	4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE ME	EMBERS	•				
ESS	A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	Х		ACI 318: 17.8.2.4			
EMENT. WORK.	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.		Х	ACI 318: 17.8.2			
SS IONS	5. VERIFY USE OF REQUIRED DESIGN MIX		×	ACI 318: CH. 19, 26.4.3, 26.12			
RETE 2 THE	6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Х		ASTM CI72, ASTM C3I, ACI 318: 26.4.5, 26.12			
T AND	7. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Х		ACI 318: 26.4.5			
R TED.	8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		Х	ACI 318: 26.4.7-26.4.9			
5.	12 INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS	_	×	ACI 318: 26.10.1(B)			



COMMON	EQUIV. SPACING OF APPR. FASTENERS						
NAIL	_	S	TAPLE	S	NAILS/T-NA		
SPACING	GAUGE	16	15	14	113	13	
JFACINO	PENETRATION	1"	1"	\pm^{10}	1 1/4"	1/2	
	4"	3 1/2"	4"	5"	4"	5	
6d AT	6"	5"	6"	7"	6"	71/	
bu AI	8"	6 1/2"	6"	9 1/2"	8"	10	
	1 <i>0</i> "	8 1/2"	10"	12"	10"	12	
	12"	10"	12"	14 1/2"	12"	14 1.	
	3"	2"	2 1/2"	3"	2 1/2"	3	
	4"	2 1/2"	3 1/2"	4"	3 1/2"	4	
8d AT	6"	4"	5"	6"	5"	6	
OU AT	8"	5 1/2"	6 1/2"	8"	6 1/2"	8	
	10"	6 1/2"	8"	10"	8"	10	
	12"	8"	10"	12"	9 1/2"	12	
	4"	2"	2 1/2"	3"	2 1/2"	3 1/	
	6"	3 1/2"	4"	5"	4"	5	
10d AT	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7	
	10"	5 1/2"	7"	8"	6 1/2"	8 1,	
	12"	6 1/2"	8"	9 1/2"	8 1/2"	10	

NOTE ALL FASTENERS (I.E. NAILS, SCREWS, ANCHOR BOLTS, ETC.) WHICH ARE TO BE INSTALLED IN PRESERVATIVE TREATED WOOR (I.E. SILL PLATES) SHALL MEET THE REQUIREMENTS OF IBC 2304.9.5

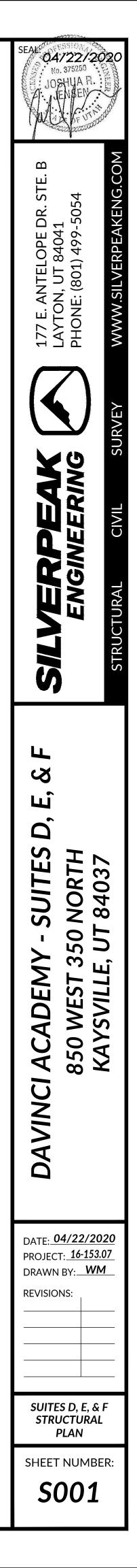
STUD HEIGHT CHART FOR ALL STUD'S U.N.O.						
STUDS	SPACING	MAX. HEIGHT				
2x4	16" O.C.	10'-0"				
2x4	12" O.C.	11'-6"				
2x6	16" O.C.	16'-0"				
2x6	12" O.C.	18'-0"				
5 1/2" LVL	16" O.C.	20'-0"				

"CONNECTION"

- JOIST TO SILL GIRDER, TOENAIL ..
- BRIDGING TO JOIST, TOENAIL EA. END ...
- SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL..
- 4. TOP PLATE TO STUD, END NAIL.
- 5. STUD TO SOLE PLATE .. DOUBLE STUDS, FACE NAIL.
- DOUBLE TOP PLATES, FACE NAIL ..
- 1. CONTINUOUS HEADERS TWO PIECES, ALONG EA. EDGE...16d @ 16" OC
- 10. CEILING JOISTS TO PLATE, TOENAIL ... CONTINUOUS HEADERS TO STUD, TOENAIL.
- 12. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL 3-16d
- 13. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL 3-16d 14. RAFTER TO PLATE, TOENAIL.
- 5. BUILT-UP CORNER STUDS

н#2 BTR H STUD GRADE BTR h #2 BTR h #2 BTR H #I BTR CH #2 (PRESS. TREAT.)

RAND BOARD (OSB)



EDULE

"NAILING" .3-8d .2-8d6d @ 16" OC ..2-16d ...4-8d TOENAIL, 2-6d END NAIL ... 16d @ 24" *O*C16d @ 16" OC ..3-8d .4-8d ...3-8d16d @ 24" *O*C 2-20d @ ENDS & SPLICES

DESIGN CRITERIA 2018 INTERNATIONAL BUILDING CODE

- GOVERNING BUILDING CODE(S) RISK CATEGORY
- . SEISMIC LOADS SEISMIC IMPORTANCE FACTOR, I/e
- SEISMIC DESIGN CATEGORY 2.1. MAPPED SPECTRAL ACCELERATION
- 2.2. SOIL SITE CLASS 2.3. SOIL SITE COEFFICIENTS
- 2.4. 5% DAMPED ACCELERATION
- 2.5. BASIC SFRS
- 2.6. RESPONSE MOD. COEFFICIENT SYSTEM OVER-STRENGTH FACTOR DEFLECTION AMPLIFICATION FACTOR
- 2.7. SEISMIC RESPONSE COEFFICIENT 2.8. W
- 2.9. ANALYSIS PROCEDURE
- 3. WIND LOADS 3.1. WIND VELOCITY (3 SECOND GUST) 3.2. EXPOSURE TYPE
- 3.3. INTERNAL PRESSURE COEFF. GC 4. TOPOGRAPHIC FACTOR, KZT
- 5. FLOOR LIVE LOADS 5.1. CLASSROOM
- 5.2. CORRIDORS ABOVE IST FLOOR 5.3. STORAGE

10 Sg = 1.41 S_I = 0.50 Fa = 1.2 F_v = **1.50** $S_{DS} = 2/3 * F/a * S/S = 1.13$ S_{n1} = 2/3 * F/v * S/l = 0.60 LT. FRAMED SHEATHED W/ OTHER MAT. R = 2 2.5

C/s = 0.7*S/DS * I/e / R = 0.56 DEAD LOADS OF STRUCTURE EQUIVALENT LATERAL FORCE

140 MPH (STRENGTH) +/- 0.18 10

50 PSF + 20 PSF PARTITION 80 PSF 125 PSF

FLOOR SHEATHING NOTES:

- I. FLOOR SHEATHING SHALL BE 3/4" T&G WAFERBOARD GLUED & NAILED WITH IOd NAILS AT 6" OC AT ALL PANEL ENDS, SUPPORTED EDGES AND ALL BLOCKING; IOD AT 12" OC ALONG INTERMEDIATE FRAMING MEMBERS. GLUE WITH GLUE CONFORMING TO AFG-OI ACCORDING TO APA SPECIFICATIONS.
- 2. BLOCK JOISTS SOLID AT ALL BEARING POINTS.
- 3. ALL HEADERS OVER DOOR & WINDOWS ARE (2) 2" × 10" U.N.O.
- 4. PROVIDE SQUASH BLOCKING AT ALL POINT LOADS THROUGH FLOOR

GENERAL FRAMING NOTES

- I. USE DOUGLAS FIR-LARCH #2 AND BETTER FOR ALL SAWN LUMBER BEAMS & STRUCTURAL COLUMNS
- 2. USE I.9E (MIN) LVL BEAMS.
- 3. CONNECT 4 PLY AND GREATER LVL BEAMS WITH (2) ROWS 1/2" THRU BOLTS @ 12" O.C. (SEE MANUFACTURERS SPECIFICATIONS)
- 4. CARRY ALL COLUMN LOADS DOWN TO FOOTING OR FOUNDATION WALL.
- 5. PROVIDE SOLID BLOCKING OR SQUASH BLOCKS IN JOIST SPACE AT ALL COLUMN LOCATIONS
- 6. ALL NOTES PERTAINING TO APPLIED LOADS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD).

FLOOR BEAM SCHEDULE				
FB-I	(2) 2×10			
FB-2	(2) 9.1/2" MICROLAM			
FB-3	(2) 7/8" MICROLAM			

NOTE: SEE DETAIL 2/S501 FOR TYPICAL BEAM CONNECTIONS OVER 6'-0" IN LENGTH.

	SHEARWALL SCHEDULE							
MARK SHEATHING	FASTENER REQ'S		ANCHOR BOLTS		SILL	NOTEC		
	SHEATHING	EDGE	FIELD	DIAMETER	SPACING	PLATE	NOTES	
SM-1	5/8" G.W.B. ONE SIDE MIN. (TYPE 'S')	#6 SCREWS X - /4"@ 8" 0.C.	#6 SCREWS X - /4" @ 2" O.C.	I/2"	32" <i>O</i> .C.	2 x	4, 5	
SW-2	7/16" OSB ONE SIDE	8d @ 6" O.C.	8d @ 12"0.C.	1/2"	32" <i>O</i> .C.	2 ×	1, 2, 3, 4, 5	
NOTES:								

. APPLY 7/16" APA OSB OVER DOUGLAS FIR OR SOUTHERN PINE FRAMING SPACED @ 16"O.C.

2. NAIL OR STAPLE SHEATHING ALONG INTERMEDIATE STUDS @ 12" O.C.

3. BLOCK ALL PANEL EDGES

4. PROVIDE 3" \times 3" \times 1/4" PLATE WASHERS ON ANCHOR BOLTS (Typical).

5. ALL SHEATHING SHALL EXTEND CONTINUOUS FROM SILL PLATE TO ROOF OR FLOOR SHEATHING.

