STEEL STUD PARTITIONS AND GYPSUM BOARD ASSEMBLIES
SHOP DRAWING SUBMITTAL

Section 09 22 16, 09 21 16, 07 84 43

PROJECT	**Sample Office Floor, steel stud partitions**
ADDRESS	**100 Sample Way**
OWNER	**Sample Tenant Co.**
ARCHITECT	
INTERIOR DESIGN	
GENERAL CONTRACTOR	
SUBMITTED BY	**Sample Framing Co.**
SPEC SECTION	**09 22 16, 09 21 16, 07 84 43**
ITEM	
SUBMITTAL NO.	**revision 0**
DATE	**11/06/2026**

REVISIONS

REV 0 11/06/2026	**Issued for review (submittal)**

SHEET INDEX

FR-0 Cover sheet and sheet index
FR-1 Partition plan and notes
FR-2 Partition type schedule
FR-3 Wall framing elevations
FR-4 Backing plan
FR-5 Partition type sections

GENERAL NOTES

1. Field-verify all dimensions, heights and openings before layout.
2. Products per the product data log; generic products, the manufacturer per the specification.
3. Fire-resistance designs per the listings named on the drawings (not verified here); head-of-wall joints by a listed joint system.
4. Limiting heights per the SFIA tables or the supplier's (5 psf, L/240).
5. Checks and flags, not an engineered design or a certification.

CONTRACTOR'S REVIEW
Reviewed by / date

ARCHITECT / ENGINEER REVIEW STAMP
Reviewer's stamp area

NOT AN ENGINEERED DESIGN. Verify every dimension and condition in the field. The stamp areas are for the reviewers; the framing contractor does not fill them in.

PREPARED BY
Sample Framing Co.

PROJECT
SAMPLE OFFICE FLOOR, STEEL STUD PARTITIONS
100 Sample Way

OWNER
Sample Tenant Co.

SPEC SECTION
09 22 16, 09 21 16, 07 84 43

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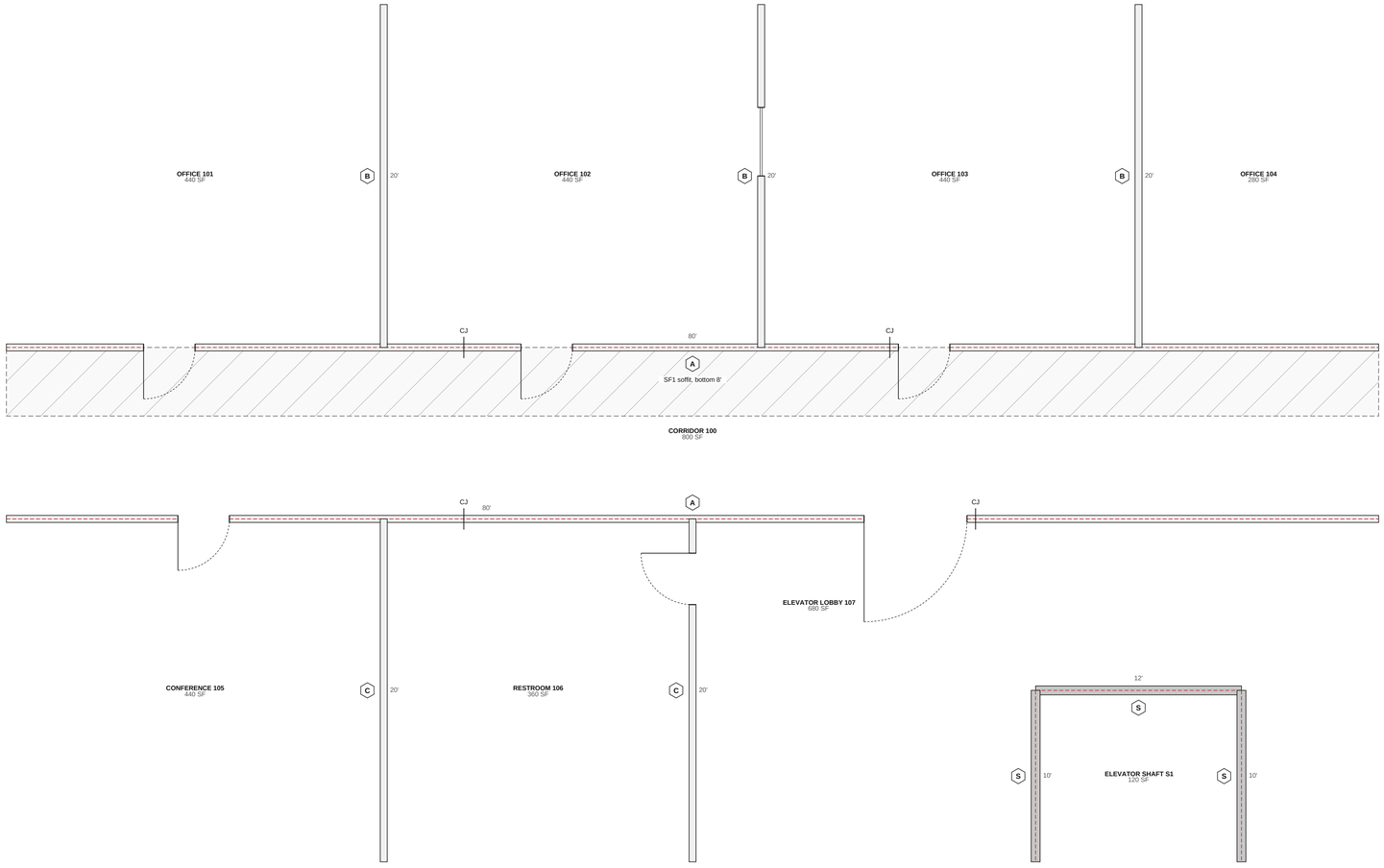
SCALE
NTS

DRAWN BY

SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
COVER SHEET AND SHEET INDEX

FR-0



1 **PARTITION FRAMING PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. Field-verify all dimensions, the deck and ceiling heights and every opening before layout. Report discrepancies before proceeding.
2. Nonstructural steel studs and track per AISI S220 (IBC 2021 2211.2, Table 2506.2); installation per ASTM C754 (IBC 2021 Table 2508.1). Member sizes and thicknesses are typical: verify with your supplier's data.
3. Gypsum board per GA-216 and ASTM C840 (IBC 2021 Table 2508.1); joints and fasteners treated on fire-resistance-rated assemblies (IBC 2021 2508.5).
4. Rated partitions per the UL, GA or IBC 721 design numbers on the drawings. The built-in UL designs (U419, U465, U412, U435, U451; shaft walls U415, U417, U438, U467, U469) and IBC 2021 Table 721.1(2) items are checked as read; other UL and GA design numbers are as typed and not checked against the listings. Fire barriers and fire partitions continue to the underside of the deck or slab above, or to a rated floor/ceiling or roof/ceiling assembly (IBC 2021 707.5, 708.4).
5. Head-of-wall joints at rated walls: an approved joint system rated not less than the wall, tested to ASTM E1966 or UL 2079 (IBC 2021 715.3, 715.3.1); the system per type on the schedule sheets.
6. Limiting heights for 5 psf (IBC 2021 1607.16: 5 psf minimum) and L/240 from the SFIA Technical Guide interior tables, or the supplier's table where typed; the allowable height per type is on the schedule. Deflection limits by finish: L/120 flexible, L/240 brittle, L/360 plaster or stucco (IBC 2021 Table 1604.3).
7. Deflection gap at the head 1/2"; bridging at 4'-0" up the wall; control joints at 30 ft max.; track fastened at 24" o.c. (typical: per the specification).

ADVISORY (9) - CONFIRM

- Type A: Checked against U465 (UL, read 2026-11-06): stud, spacing, layers, insulation and rating. The drawings and the listing govern.
- Type A: Head of wall checked against HW-D-0418 (UL, read 2026-11-06): 100% compression and extension, 0.5 in. joint; fluted steel deck max 3 in. deep, min 2-1/2 in. concrete (or a P900 roof). The drawings and the listing govern.
- Type A: Board over 12 ft: sheets stacked with horizontal joints (staggered).
- Type C: Board over 12 ft: sheets stacked with horizontal joints (staggered).
- Type S: Checked against U415 (UL, read 2026-11-06): stud, spacing, layers, insulation and rating. The drawings and the listing govern.
- Type S: Head of wall checked against HW-D-0908 (UL, read 2026-11-06): 100% compression and extension at 1 in. installed (compression only at 2 in.), 2 in. joint; fluted steel deck max 3 in. deep, min 2-1/2 in. concrete; or a concrete floor. The drawings and the listing govern.
- Type S: Board over 12 ft: sheets stacked with horizontal joints (staggered).
- P2: Opening 6'-0" wide is over the header note (4'-0" for type A): a wider header per the engineer or the stud maker's header table.
- SF1: Soffit 80'-0" long, 320 sf: control joints in the board (GA-216 / ASTM C840 as reported: ceilings and soffits without perimeter relief, joints at 30 ft and 900 sf at most).

PRODUCT DATA AND SAMPLES

SPEC SECTION	PRODUCT	MANUFACTURER	DATA SHEET	SAMPLES	USED ON
09 22 16 Non-Structural Metal Framing	362S125-30 studs and 362T125-30 track (20 ga drywall; typical, verify with your supplier's data)	Per the specification	To attach	To be submitted	A
09 22 16 Non-Structural Metal Framing	Slotted deflection track, 3-5/8 in.	Per the specification	To attach	To be submitted	A
09 22 16 Non-Structural Metal Framing	362S125-20EQ studs and 362T125-20EQ track (20 ga equivalent (EQ); typical, verify with your supplier's data)	Per the specification	To attach	To be submitted	B
09 22 16 Non-Structural Metal Framing	362S125-33 studs and 362T125-33 track (20 ga structural; typical, verify with your supplier's data)	Per the specification	To attach	To be submitted	C
09 22 16 Non-Structural Metal Framing	Deflection track (deep leg), 3-5/8 in.	Per the specification	To attach	To be submitted	C
09 21 16 Gypsum Board Assemblies	4 in. CH studs and J track, 30 mils (typical; verify with your supplier's data)	Per the specification	To attach	To be submitted	S
09 21 16 Gypsum Board Assemblies	5/8 in. Type X moisture- and mold-resistant board	Per the specification	To attach	To be submitted	C
09 21 16 Gypsum Board Assemblies	5/8 in. regular gypsum board	Per the specification	To attach	To be submitted	B
09 21 16 Gypsum Board Assemblies	5/8 in. Type X gypsum board	Per the specification	To attach	To be submitted	A, C, S
09 21 16 Gypsum Board Assemblies	1 in. gypsum shaft liner panel (2 ft wide)	Per the specification	To attach	To be submitted	S
07 84 43 Joint Firestopping	Head-of-wall joint system (ASTM E1966 / UL 2079 tested): HW-D-0418, HW-D-0908	Per the specification	To attach	To be submitted	A, S
09 21 16 Gypsum Board Assemblies	Sound attenuation / mineral wool batts	Per the specification	To attach	To be submitted	A, C, S

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SAMPLE OFFICE FLOOR, STEEL STUD PARTITIONS
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OWNER
Sample Tenant Co.

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09 22 16, 09 21 16, 07 84 43

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SCALE
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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
PARTITION PLAN AND NOTES

FR-1

PARTITION TYPE SCHEDULE (DESIGN NUMBERS AS TYPED; VERIFY AGAINST THE LISTINGS)

TYPE	STUD	SIDE A	SIDE B	INSUL.	RATING	STC	TOP / HEAD	DESIGN	ALLOW. HT.	LF
A	362S125-30 at 16 in. o.c.	1 layer 5/8 in. Type X	1 layer 5/8 in. Type X	Sound attenuation batts (fiberglass)	1 hr	45	To deck, slotted deflection track	U465	15'-5"	160
B	362S125-20EQ at 16 in. o.c.	1 layer 5/8 in. regular	1 layer 5/8 in. regular	None	Non-rated	-	Ceiling + 6 in.	-	13'-0"	60
C	362S125-33 at 16 in. o.c.	1 layer 5/8 in. Type X moisture- and mold-resistant board	1 layer 5/8 in. Type X	Sound attenuation batts (fiberglass)	Non-rated	50	To deck, deflection track (deep leg)	-	16'-0"	40
S	400CH-30 at 24 in. o.c.	1 layer 1 in. gypsum shaft liner panel (2 ft wide)	2 layers 5/8 in. Type X	Mineral wool batts	2 hr	-	To deck, deflection track (deep leg)	U415	16'-0"	32

ROOM SCHEDULE (AREAS TO THE PARTITION CENTERLINES)

NO.	ROOM	AREA (SF)	SIZE	USE	PARTITION TYPES	PARTITIONS (LF)
100	Corridor	800	80'-0" x 10'-0"	Corridor	A	160
101	Office	440	22'-0" x 20'-0"	Room	B	10
102	Office	440	22'-0" x 20'-0"	Room	B	20
103	Office	440	22'-0" x 20'-0"	Room	B	20
104	Office	280	20'-0" x 14'-0"	Room	B	10
105	Conference	440	22'-0" x 20'-0"	Room	C	10
106	Restroom	360	20'-0" x 18'-0"	Room	C	20
107	Elevator lobby	680	40'-0" x 17'-0"	Room	C	10
S1	Elevator shaft	120	12'-0" x 10'-0"	Shaft or chase	S	32

STEEL TAKEOFF

GROUP	ITEM	QTY	UNIT
Studs	362S125-30 (20 ga drywall)	156	pcs
Studs	362S125-20EQ (20 ga equivalent (EQ))	54	pcs
Studs	362S125-33 (20 ga structural)	37	pcs
Studs	400CH-30 (20 ga drywall)	23	pcs
Track	362T125-30	165	LF
Track	362T125-20EQ	130	LF
Track	362T125-33	41	LF
Track	J track 4 in.	148	LF
Track	Slotted deflection track 3-5/8 in.	160	LF
Track	Deflection track (deep leg) 3-5/8 in.	40	LF
Openings	Openings framed (jambs doubled per the type, box header, cripples)	7	each
Bridging & bracing	Cold-rolled channel 1-1/2 in. through the punch-outs	720	LF
Bridging & bracing	Bracing to the structure (kickers) at walls above the ceiling	18	each
Soffits	Soffit framing (plan area)	320	sf
Soffits	Soffit faces to wrap and finish	88	LF
Shaft wall	Shaft wall (CH studs and J track)	448	sf
Shaft wall	1 in. shaft liner panel (2 ft wide)	448	sf
Backing	Backing / blocking (16 ga sheet steel backing plate, 6 in.)	9	pcs
Control joints	Control joints (double stud, joint bead each face)	112	LF
Fasteners	Powder-actuated fasteners (track to floor and deck)	276	each
Fasteners	Framing screws (stud to track, headers, cripples)	1,038	each
Fasteners	Board screws	5,918	each
Gypsum board	5/8 in. Type X moisture- and mold-resistant board (12 ft sheets)	539	sf
Gypsum board	5/8 in. regular gypsum board (10 ft sheets)	1,108	sf
Gypsum board	5/8 in. Type X gypsum board (12 ft sheets)	5,663	sf
Finishing	Corner bead (outside corners, ends, openings)	341	LF
Insulation	Cavity insulation (batts)	3,101	sf
Firestopping	Head-of-wall joint, type A, 1-hr: HW-D-0418 (2 hr, 0.5 in. movement, listed)	160	LF
Firestopping	Head-of-wall joint, type S, 2-hr: HW-D-0908 (2 hr, 1 in. movement, listed)	32	LF
Access	Lift days (walls over 12'-0")	4	day

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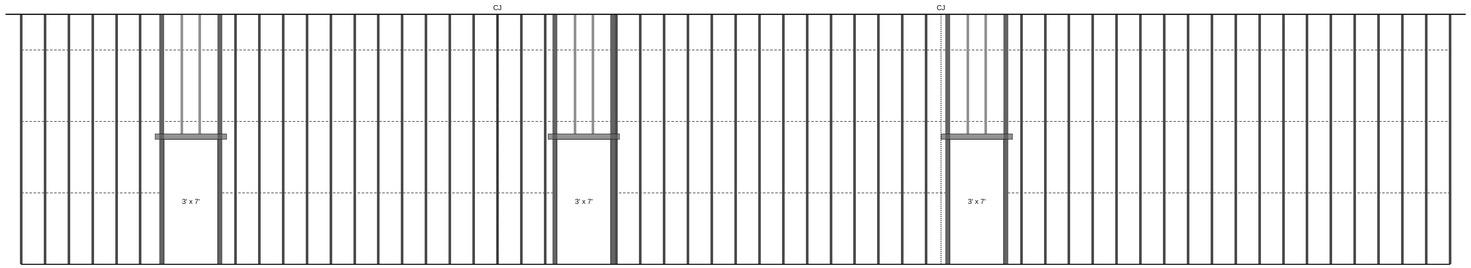
SCALE
As noted

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SHEET SIZE
ARCH D (24" x 36")

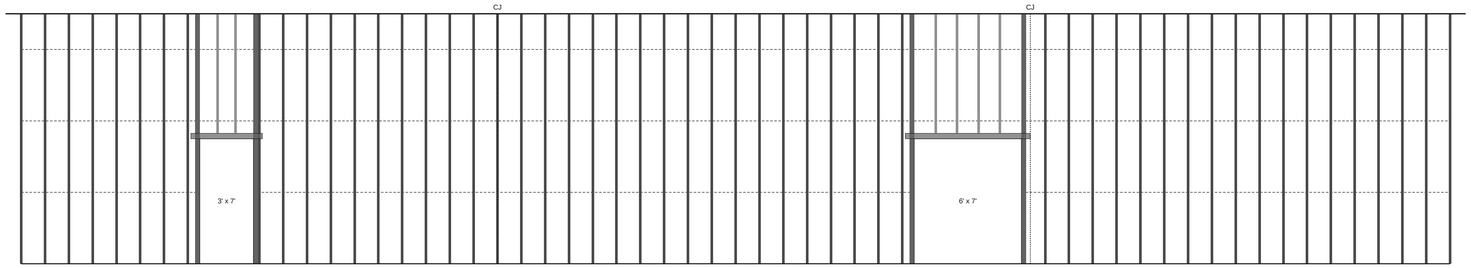
SHEET TITLE
PARTITION TYPE SCHEDULE

FR-2



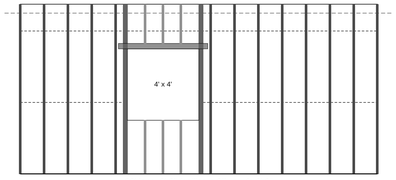
80' long, 14' to the deck, studs 13' 11 1/2"

1 **PARTITION P1 (TYPE A)**
SCALE: 1/4" = 1'-0"



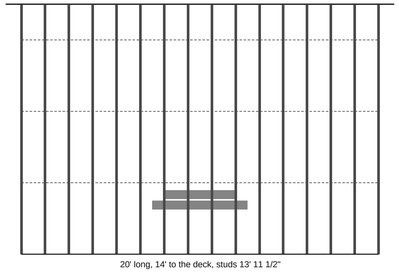
80' long, 14' to the deck, studs 13' 11 1/2"

2 **PARTITION P2 (TYPE A)**
SCALE: 1/4" = 1'-0"



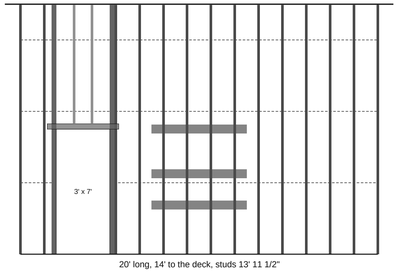
20' long, 9' 6" (ceiling + 6"), studs 9' 6"

3 **PARTITION P4 (TYPE B)**
SCALE: 1/4" = 1'-0"



20' long, 14' to the deck, studs 13' 11 1/2"

4 **PARTITION P6 (TYPE C)**
SCALE: 1/4" = 1'-0"



20' long, 14' to the deck, studs 13' 11 1/2"

5 **PARTITION P7 (TYPE C)**
SCALE: 1/4" = 1'-0"

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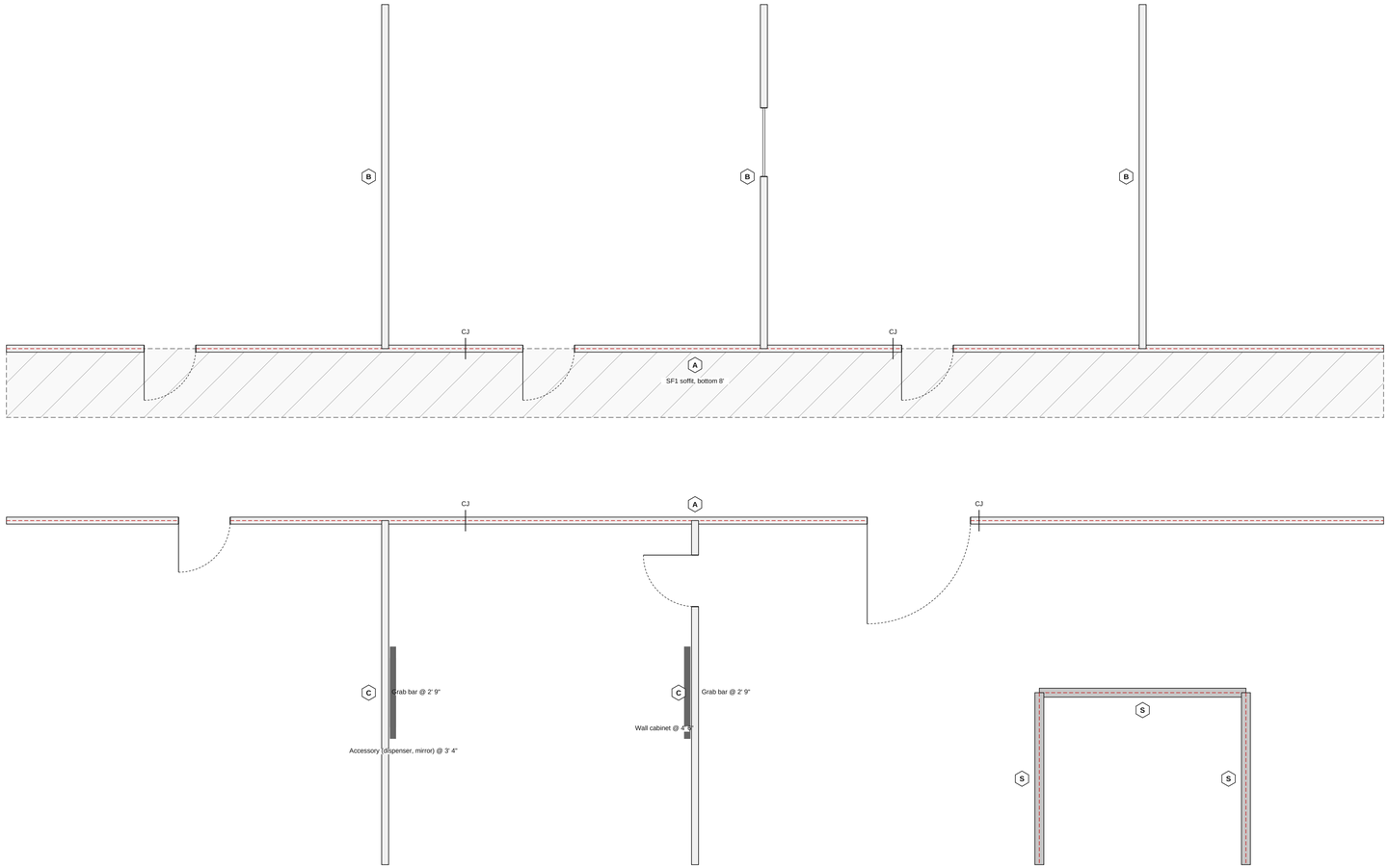
SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
WALL FRAMING ELEVATIONS

FR-3

BACKING

1. 16 ga sheet steel backing plate, 6 in. at the heights noted; 9 pieces. Accessories by others; locations per the drawings.



1 **BACKING PLAN**
SCALE: 1/4" = 1'-0"

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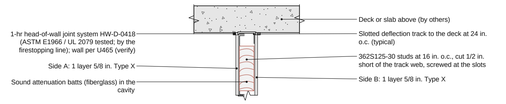
SCALE
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SHEET SIZE
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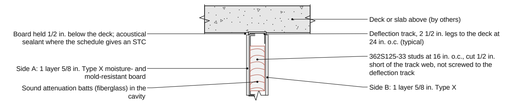
SHEET TITLE
BACKING PLAN

FR-4



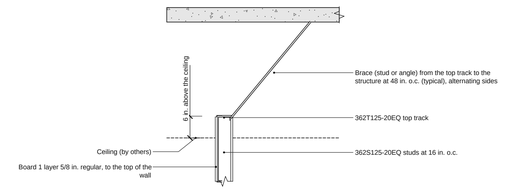
1 **HEAD AT THE DECK, TYPE A (SLOTTED DEFLECTION TRACK)** — **3/4" = 1'-0"**

REF: SFIA Tech Note 1: IBC 2021 707.5 / 708.4 / 715.3



2 **HEAD AT THE DECK, TYPE C (DEFLECTION TRACK (DEEP LEG))** — **3/4" = 1'-0"**

REF: SFIA Tech Note 1



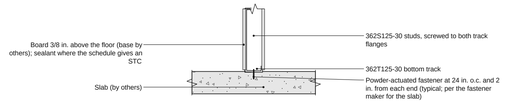
3 **HEAD ABOVE THE CEILING, TYPE B** — **NTS**



8 **CONTROL JOINT** — **3/4" = 1'-0"**

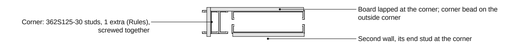


10 **SHAFT WALL, TYPE S** — **NTS**

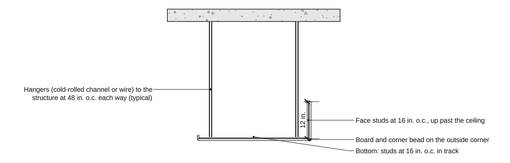


4 **BASE AT THE FLOOR** — **3/4" = 1'-0"**

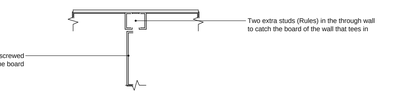
REF: ASTM C754 (via SFIA Tech Note 1)



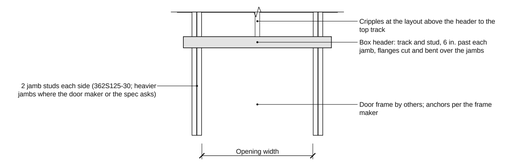
5 **CORNER** — **1" = 1'-0"**



9 **SOFFIT / BULKHEAD** — **NTS**



6 **INTERSECTION (T)** — **3/4" = 1'-0"**



7 **DOOR JAMB AND HEADER** — **NTS**

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SHEET SIZE
ARCH D (24" x 36")

SHEET TITLE
PARTITION TYPE SECTIONS

FR-5