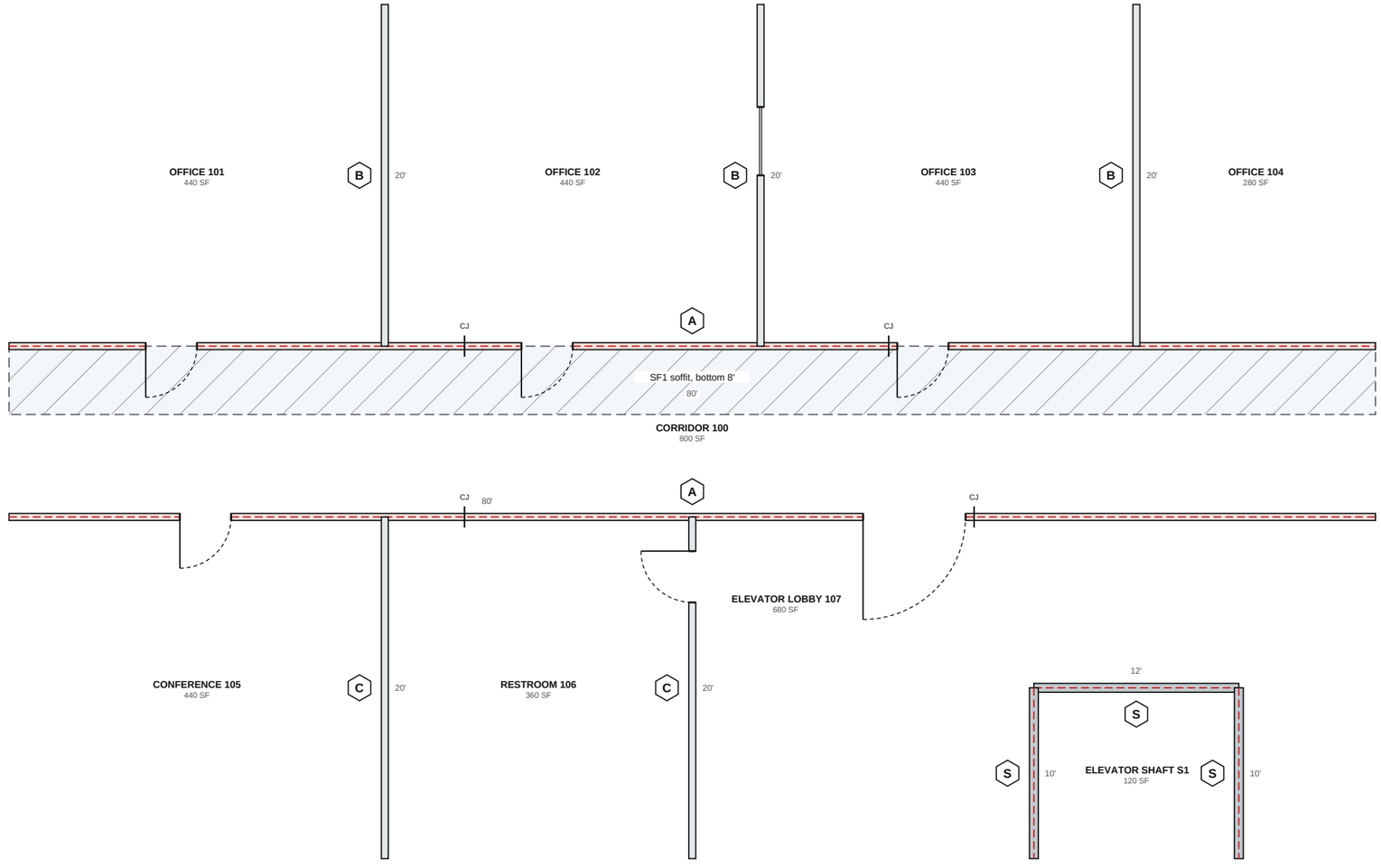


1 **PARTITION FRAMING PLAN**

SCALE: 1/8" = 1'-0"

Partition | Rated (red dashes) | Shaft wall | Soffit | Backing

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
PARTITION FRAMING PLAN

FR-1

PARTITION TYPE SCHEDULE

TYPE	STUD	SIDE A	SIDE B	INSUL.	RATING	STC	TOP / HEAD	DESIGN (VERIFY)	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
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).									

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
PARTITION TYPE SCHEDULE

FR-2

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

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

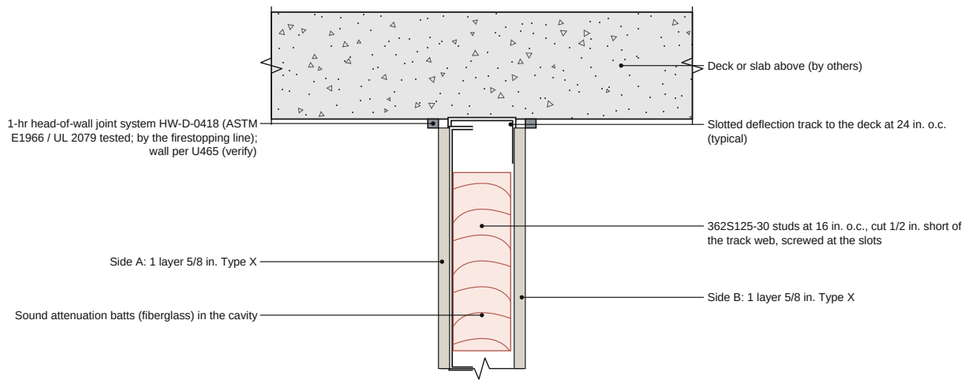
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

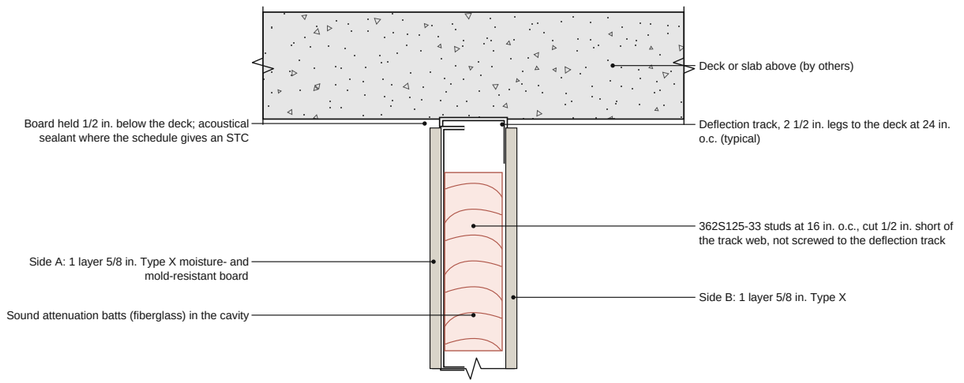
SHEET TITLE
ROOM SCHEDULE

FR-3



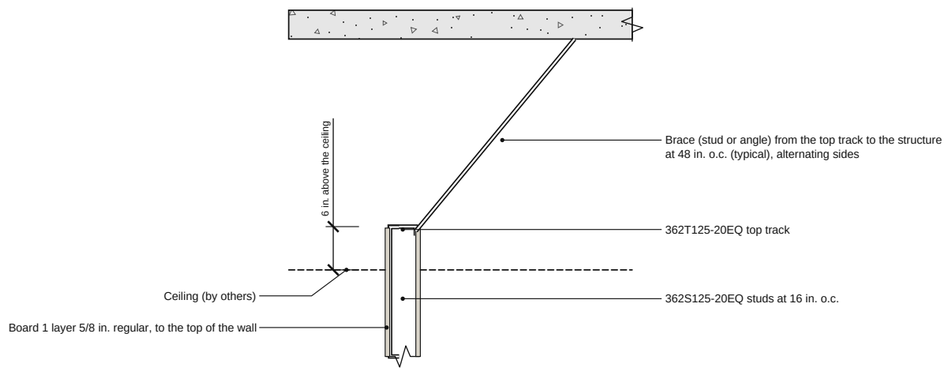
1 **HEAD AT THE DECK, TYPE A (SLOTTED DEFLECTION TRACK)** NTS

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

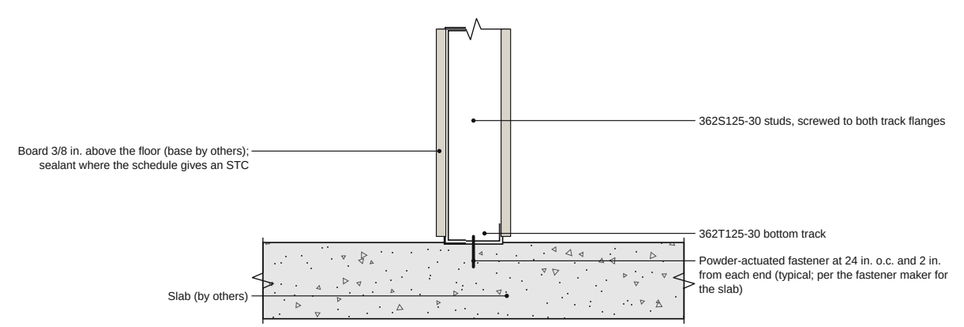


2 **HEAD AT THE DECK, TYPE C (DEFLECTION TRACK (DEEP LEG))** NTS

REF: SFIA Tech Note 1



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



4 **BASE AT THE FLOOR** NTS

REF: ASTM C754 (via SFIA Tech Note 1)

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE **11/06/2026**

SCALE **NTS**

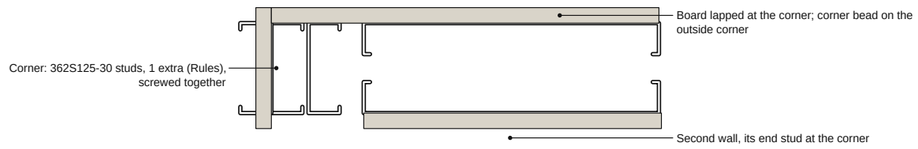
DRAWN BY

SHEET SIZE **ANSI B (11" x 17")**

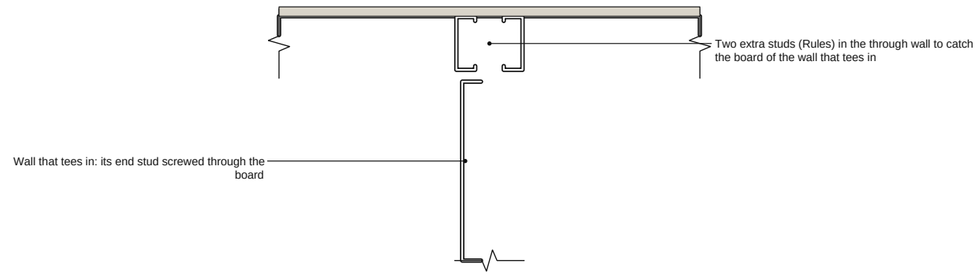
SHEET TITLE

PARTITION TYPE SECTIONS

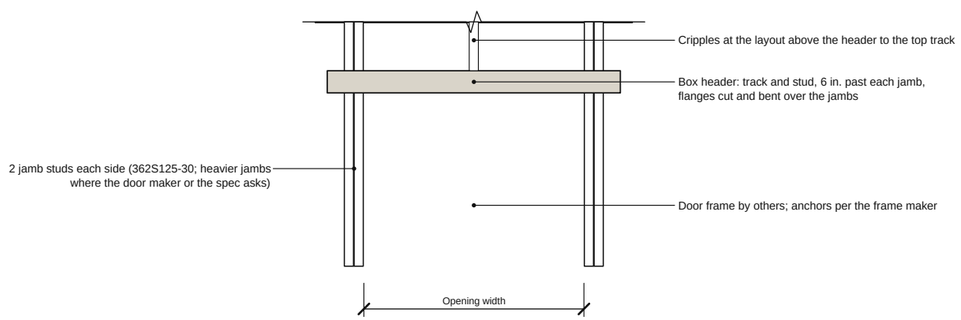
FR-4



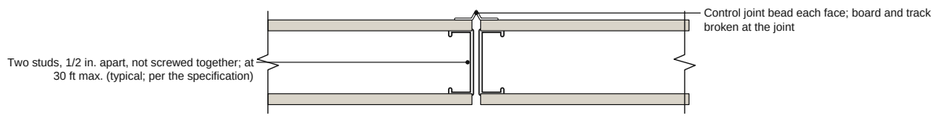
5 **CORNER** NTS



6 **INTERSECTION (T)** NTS



7 **DOOR JAMB AND HEADER** NTS



8 **CONTROL JOINT** NTS

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

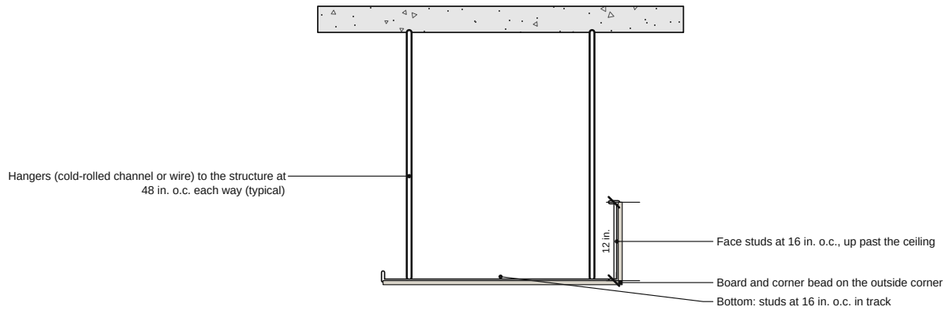
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
PARTITION TYPE SECTIONS

FR-5



9 **SOFFIT / BULKHEAD** NTS

10 **SHAFT WALL, TYPE S** NTS

Typical detail, not to scale. Not an engineered design: verify with your building department and the manufacturer's installation instructions.

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud
partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

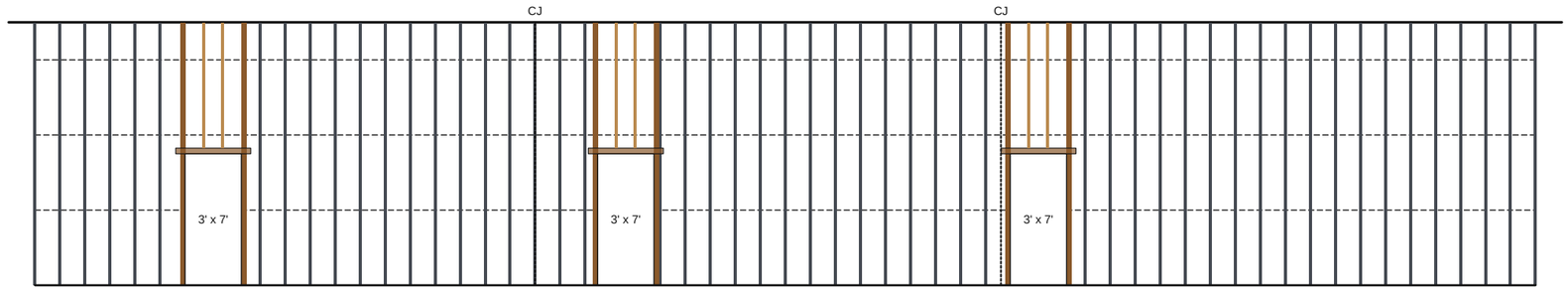
SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
PARTITION TYPE SECTIONS

FR-6



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

1 PARTITION P1 (TYPE A)

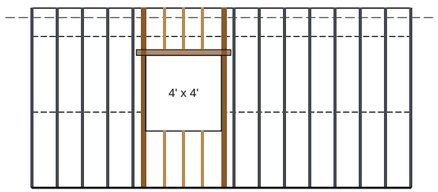
SCALE: 1/8" = 1'-0"



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

2 PARTITION P2 (TYPE A)

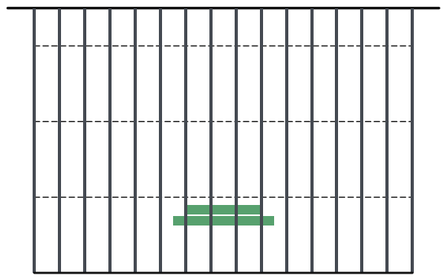
SCALE: 1/8" = 1'-0"



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

3 PARTITION P4 (TYPE B)

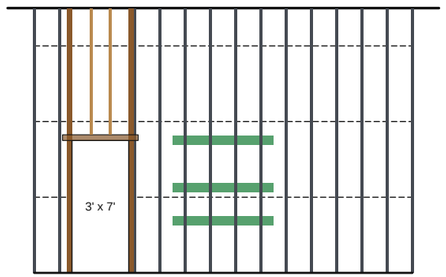
SCALE: 1/8" = 1'-0"



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

4 PARTITION P6 (TYPE C)

SCALE: 1/8" = 1'-0"



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

5 PARTITION P7 (TYPE C)

SCALE: 1/8" = 1'-0"

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

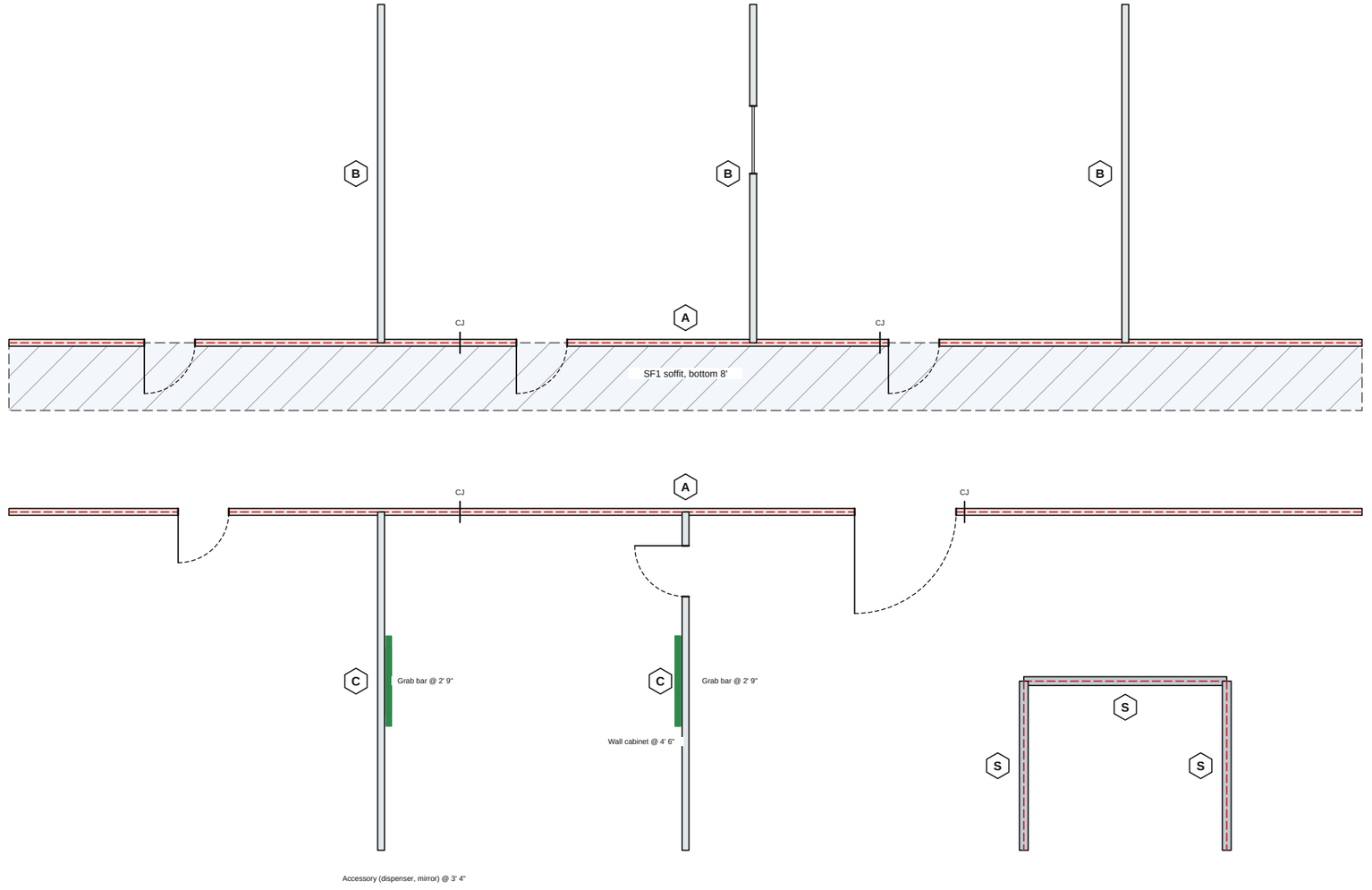
SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
WALL FRAMING ELEVATIONS

FR-7



1 **BACKING PLAN**

SCALE: 1/8" = 1'-0"

BACKING: 16 GA SHEET STEEL BACKING PLATE, 6 IN., AT THE HEIGHTS NOTED; 9 PIECES

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

SCALE
1/8" = 1'-0"

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
BACKING PLAN

FR-8

STEEL TAKEOFF

GROUP	ITEM	QTY	UNIT	NOTE
Studs	362S125-30 (20 ga drywall)	156	pcs	15 x 8 ft, 141 x 14 ft; waste 1%
Studs	362S125-20EQ (20 ga equivalent (EQ))	54	pcs	5 x 8 ft, 49 x 10 ft; waste 7%
Studs	362S125-33 (20 ga structural)	37	pcs	3 x 8 ft, 34 x 14 ft; waste 2%
Studs	400CH-30 (20 ga drywall)	23	pcs	23 x 14 ft; waste 0%
Track	362T125-30	165	LF	18 pcs at 10 ft (5% waste)
Track	362T125-20EQ	130	LF	14 pcs at 10 ft (5% waste)
Track	362T125-33	41	LF	5 pcs at 10 ft (5% waste)
Track	J track 4 in.	148	LF	16 pcs at 10 ft (5% waste)
Track	Slotted deflection track 3-5/8 in.	160	LF	Typical; verify the leg and slot with the head-of-wall system
Track	Deflection track (deep leg) 3-5/8 in.	40	LF	Typical; verify the leg and slot with the head-of-wall system
Openings	Openings framed (jambs doubled per the type, box header, cripples)	7	each	28 jamb studs, 20 cripples
Bridging & bracing	Cold-rolled channel 1-1/2 in. through the punch-outs	720	LF	Rows at 48 in. up the wall (typical; SFIA Tech Note 1: one common practice)
Bridging & bracing	Bracing to the structure (kickers) at walls above the ceiling	18	each	At 48 in. o.c. (typical)
Soffits	Soffit framing (plan area)	320	sf	1 soffits; 42 hangers to the structure
Soffits	Soffit faces to wrap and finish	88	LF	To the Drywall trade; 132 sf of face
Shaft wall	Shaft wall (CH studs and J track)	448	sf	
Shaft wall	1 in. shaft liner panel (2 ft wide)	448	sf	16 panels
Backing	Backing / blocking (16 ga sheet steel backing plate, 6 in.)	9	pcs	44 LF
Control joints	Control joints (double stud, joint bead each face)	112	LF	4 joints at 30 ft max. (user field; GA-216 / ASTM C840 as reported: 30 ft)
Fasteners	Powder-actuated fasteners (track to floor and deck)	276	each	At 24 in. o.c. plus each end (typical)
Fasteners	Framing screws (stud to track, headers, cripples)	1,038	each	
Fasteners	Board screws	5,918	each	Face layers at 12 in., base layers at 24 in. (typical; per the listed design)
Gypsum board	5/8 in. Type X moisture- and mold-resistant board (12 ft sheets)	539	sf	13 sheets incl. 10% waste; types C
Gypsum board	5/8 in. regular gypsum board (10 ft sheets)	1,108	sf	31 sheets incl. 10% waste; types B
Gypsum board	5/8 in. Type X gypsum board (12 ft sheets)	5,663	sf	130 sheets incl. 10% waste; types A, C, S; 448 sf base layers
Finishing	Corner bead (outside corners, ends, openings)	341	LF	To the Drywall trade
Insulation	Cavity insulation (batts)	3,101	sf	To the Insulation trade
Firestopping	Head-of-wall joint, type A, 1-hr: HW-D-0418 (2 hr, 0.5 in. movement, listed)	160	LF	To the Insulation trade (IBC 2021 715.3; tested to ASTM E1966 or UL 2079, 715.3.1)
Firestopping	Head-of-wall joint, type S, 2-hr: HW-D-0908 (2 hr, 1 in. movement, listed)	32	LF	To the Insulation trade (IBC 2021 715.3; tested to ASTM E1966 or UL 2079, 715.3.1)
Access	Lift days (walls over 12'-0")	4	day	232 LF of wall at 60 LF a day (typical)

PREPARED BY

Sample Framing Co.

PROJECT

Sample Office Floor, steel stud partitions
Client: Sample Tenant Co.
100 Sample Way

NOTICE

FOR ESTIMATING AND LAYOUT ONLY.
Not an engineered design. Designs checked only against the listings read (else as typed); the drawings govern. Limiting heights per the SFIA tables or the supplier's. Verify dimensions in the field.

REVISIONS

REV	DATE	DESCRIPTION
0	11/06/2026	Issued for review

DATE
11/06/2026

SCALE
NTS

DRAWN BY

SHEET SIZE
ANSI B (11" x 17")

SHEET TITLE
STEEL TAKEOFF

FR-9