Sample Warehouse, foundations, walls and recesses

Cast-in-place concrete, sections 03 11 00, 03 15 00, 03 15 13, 03 15 19, 03 21 00, 03 30 00, 03 39 23, 07 13 00, 07 26 00, 07 92 00

FINISHES

Ready-mix concrete mix designs by the supplier (3,000 psi; 3,000 psi, 5-7% air; 4,000 psi) (03 30 00)
Vapor retarder, Class A (per the specs), seam tape and pipe boots (07 26 00)
Reinforcement bars, chairs and tie wire (03 21 00)
Isolation joint filler (premolded) and column blockout forms (03 15 00)
Joint filler in saw-cut and construction joints: Semi-rigid joint filler (per the specs) (07 92 00)
Curing: curing compound (compound compatible with the floor finish) (03 39 23)
Form plywood (Plyform Class I), lumber, form release (03 11 00)
Form ties with cones or washers (safe working load per the tie maker's published table) (03 11 00)
Waterstops at construction joints (PVC or swelling strip) (03 15 13)
Cast-in anchors, anchor bolts and embed plates (03 15 19)
Bar supports for footing mats (03 21 00)
Pit waterproofing (sheet or fluid applied, per the specs) (07 13 00)

NOTES

1. Verify all dimensions, grades and elevations in the field. Report discrepancies to the architect and the general contractor.
2. Accessible walks, curb ramps, ramps and site stairs checked against the 2010 ADA Standards (403, 405, 406, 504, 505, 705), new construction. Checks flag problems; not a certification.
3. Quantities and pours are the contractor's plan for placing; structural design by others.

SHEET INDEX

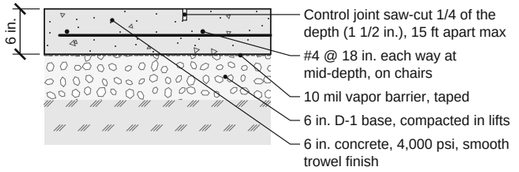
C-0 Cover, finishes and sheet index
C-1 Typical details
C-2 Typical details (cont.)
C-3 Typical details (cont.)
C-4 Typical details (cont.)
C-5 Joint & pour plan
C-6 Foundation plan: gridlines and type marks
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C-9 Slab schedule
C-10 Joint schedule
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C-13 Wall schedule
C-14 Embed schedule
C-15 Recess schedule
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C-17 Form material
C-18 Reinforcement tons

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Cover, finishes and sheet index

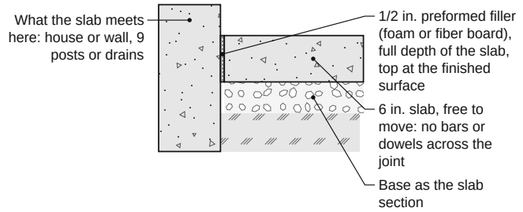
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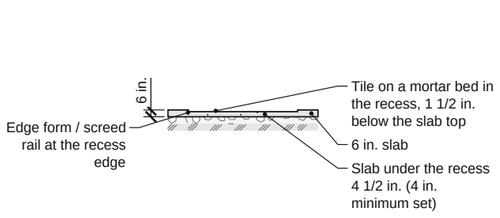


1 **SLAB SECTION: S1** **NTS**

REF: ACI 302.1R / ACI 332 (joint depth and spacing)

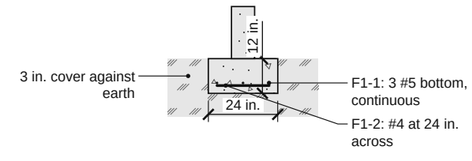


3 **ISOLATION JOINT: S1** **NTS**



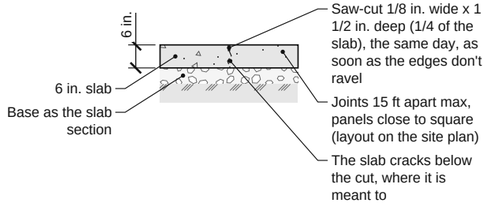
6 **FINISH RECESS: RC3** **NTS**

REF: Per the structural and architectural drawings



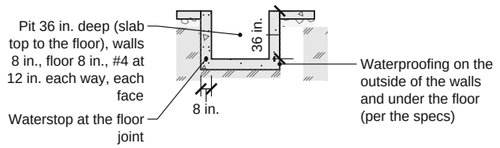
8 **FOOTING F1 SECTION** **NTS**

REF: Per the structural drawings (counted as drawn); Caltrans Bridge Design Details 13.2, Tables 13.2.1 and 13.2.2 (Sept 2025, ACI-based)



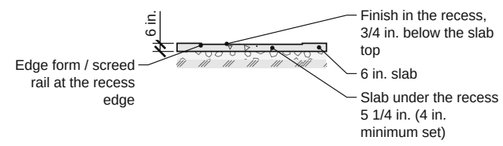
2 **CONTROL JOINT: S1** **NTS**

REF: ACI 302.1R / ACI 332 (joint depth and spacing)



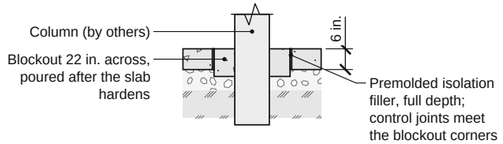
4 **SUMP / PIT: RC1** **NTS**

REF: Per the structural and architectural drawings



5 **MAT WELL / WALK-OFF: RC2** **NTS**

REF: Per the structural and architectural drawings



7 **ISOLATION JOINT AT A COLUMN (SQUARE BLOCKOUT TURNED 45 DEGREES)** **NTS**

REF: NRMCA CIP 6, Joints in Concrete Slabs on Grade (2014)

GENERAL NOTES

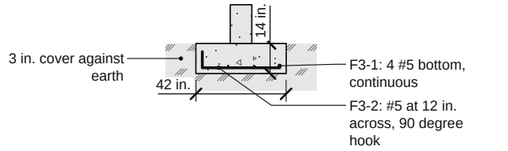
1. Verify all dimensions in the field.
2. Install per the specifications and the product makers' instructions.
3. Not an engineered design.

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TITLE
Typical details

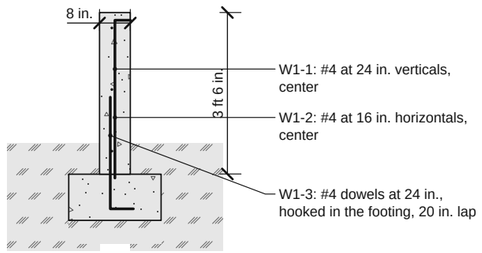
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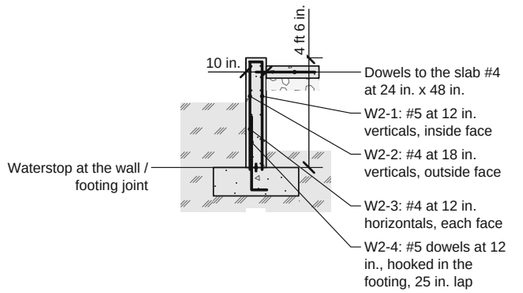
9 **FOOTING F3 SECTION** **NTS**

REF: Per the structural drawings (counted as drawn); Caltrans Bridge Design Details 13.2, Tables 13.2.1 and 13.2.2 (Sept 2025, ACI-based)



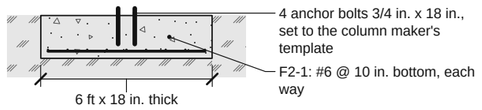
10 **STEM WALL W1 SECTION** **NTS**

REF: Per the structural drawings (counted as drawn); Caltrans Bridge Design Details 13.2, Tables 13.2.1 and 13.2.2 (Sept 2025, ACI-based)



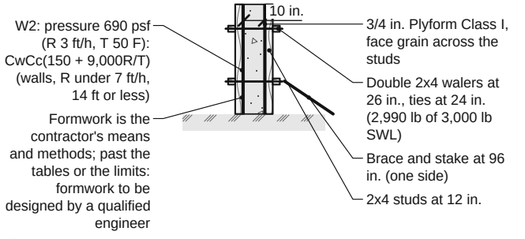
11 **RETAINING WALL W2 SECTION** **NTS**

REF: Per the structural drawings (counted as drawn); Caltrans Bridge Design Details 13.2, Tables 13.2.1 and 13.2.2 (Sept 2025, ACI-based); Retaining wall design, drainage and backfill per the structural drawings



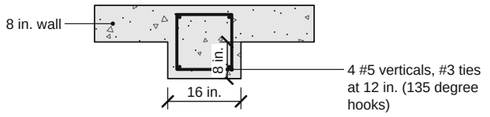
12 **SPREAD FOOTING F2 SECTION: PD1** **NTS**

REF: Per the structural drawings (counted as drawn)



14 **WALL FORM SECTION (JOB-BUILT)** **NTS**

REF: ACI 347-04 pressure as printed in APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003); APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7; 29 CFR 1926.703(a)(1), (a)(2)



13 **PILASTER PL1 (PLAN)** **NTS**

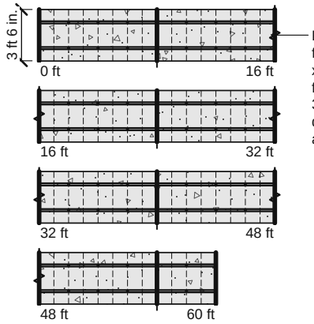
REF: Per the structural drawings (counted as drawn)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

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Typical details (cont.)

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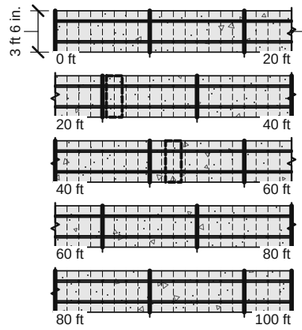
DATE	SHEET
11/5/2026	**3 of 19**



Perimeter footing, each face, 60 ft x 3 ft 6 in., 525 psf: 8 sheets 4 x 8 laid flat, 61 studs at 12 in. a face; 2 rows of double walers at 32 in. max; 62 ties at 24 in.; drawn in 4 rows of 16 ft, stations along the bottom

15 **WALL ELEVATION W1, LEG 1: FORM LAYOUT** NTS

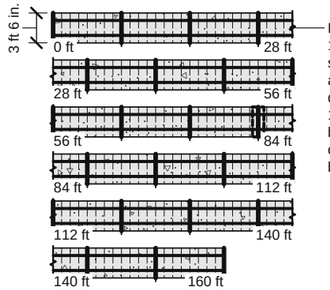
REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15



Perimeter footing, each face, 100 ft x 3 ft 6 in., 525 psf: 13 sheets 4 x 8 laid flat, 101 studs at 12 in. a face; 2 rows of double walers at 32 in. max; 102 ties at 24 in.; PL1, PL1 pilaster boxes (dashed); drawn in 5 rows of 20 ft, stations along the bottom

16 **WALL ELEVATION W1, LEG 2: FORM LAYOUT** NTS

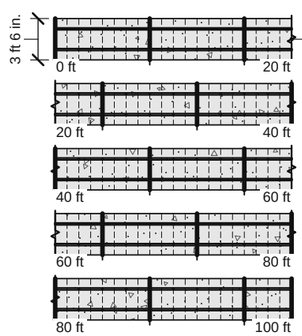
REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15



Perimeter footing, each face, 160 ft x 3 ft 6 in., 525 psf: 20 sheets 4 x 8 laid flat, 161 studs at 12 in. a face; 2 rows of double walers at 32 in. max; 162 ties at 24 in.; PL1 pilaster box (dashed); drawn in 6 rows of 28 ft, stations along the bottom

17 **WALL ELEVATION W1, LEG 3: FORM LAYOUT** NTS

REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15



Perimeter footing, each face, 100 ft x 3 ft 6 in., 525 psf: 13 sheets 4 x 8 laid flat, 101 studs at 12 in. a face; 2 rows of double walers at 32 in. max; 102 ties at 24 in.; drawn in 5 rows of 20 ft, stations along the bottom

18 **WALL ELEVATION W1, LEG 4: FORM LAYOUT** NTS

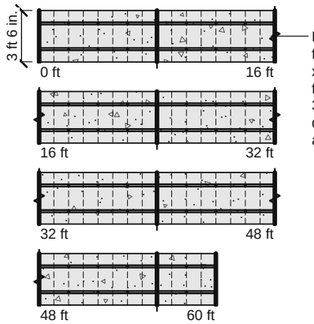
REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15

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TITLE
Typical details (cont.)

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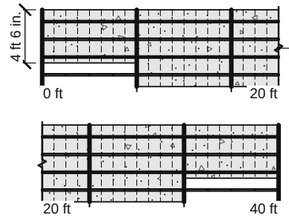
DATE	SHEET
11/5/2026	**4 of 19**



Perimeter footing, each face, 60 ft x 3 ft 6 in., 525 psf: 8 sheets 4 x 8 laid flat, 61 studs at 12 in. a face; 2 rows of double walers at 32 in. max; 62 ties at 24 in.; drawn in 4 rows of 16 ft, stations along the bottom

19 **WALL ELEVATION W1, LEG 5: FORM LAYOUT** NTS

REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15



Dock retaining wall, each face, 40 ft x 6 ft 6 in., 690 psf: 10 sheets 4 x 8 laid flat, 41 studs at 12 in. a face; 4 rows of double walers at 26 in. max; 84 ties at 24 in.; step down 24 in. at 8 ft; step up 24 in. at 32 ft; drawn in 2 rows of 20 ft, stations along the bottom

20 **WALL ELEVATION W2, LEG 1: FORM LAYOUT** NTS

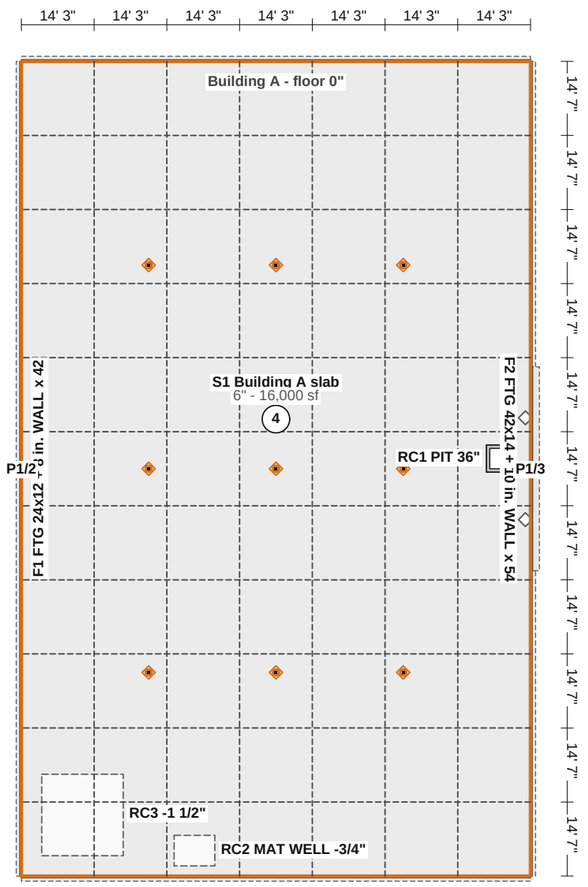
REF: APA Form V345U Concrete Forming Design/Construction Guide (rev. Dec 2003), Tables 3 and 7, p. 15

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Typical details (cont.)

SIZE	DRAWING NO.	REV
11x17	**C-4**	**0**

DATE	SHEET
11/5/2026	**5 of 19**



1 **SLAB PLAN: JOINTS AND POURS**

SCALE: 1" = 30'-0"

NOTES (DIMENSIONS IN FEET AND INCHES)

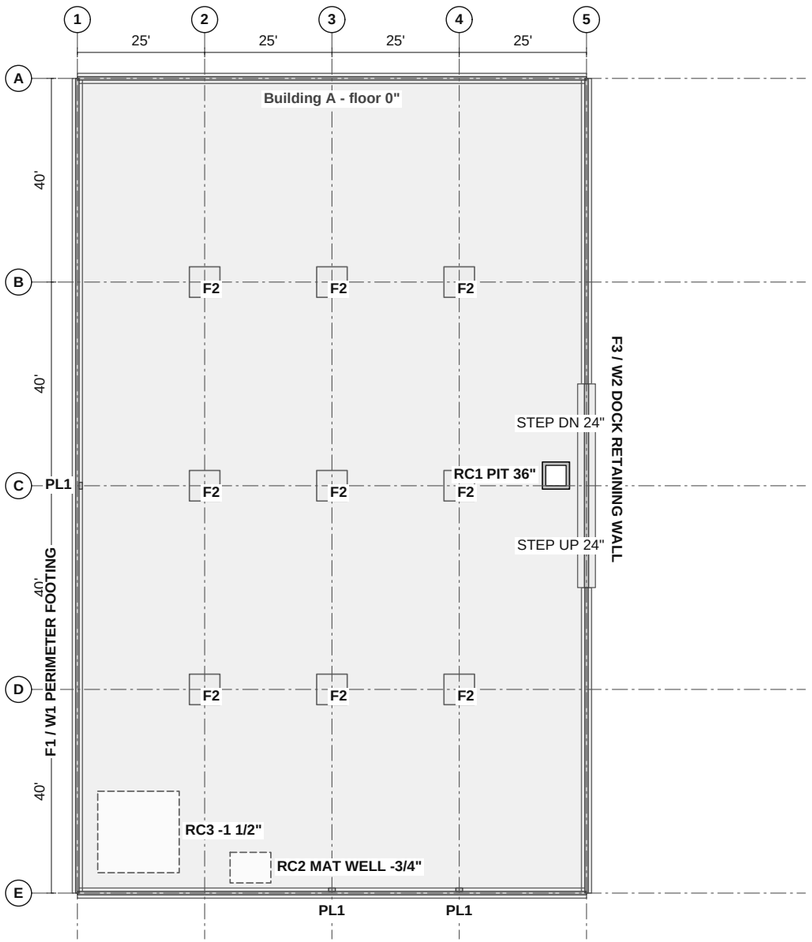
1. Control joints: 30 x the slab thickness apart, 15 ft max, panels 1.5 to 1 max (NRMCA CIP 6, Joints in Concrete Slabs on Grade (2014)); groove 1/4 of the slab, 1 in. min; early-entry saw 1 to 4 hours after finishing.
2. Construction joints at the pour breaks with round dowels as scheduled; isolation joints at walls, footings and columns.
3. Mix designs, vapor retarder, curing, hardener and sealer per the specifications and the product data.

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Joint & pour plan

SIZE	DRAWING NO.	REV
11x17	C-5	0

DATE	SHEET
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1 **FOUNDATION PLAN: GRIDLINES AND TYPE MARKS**

SCALE: 1" = 30'-0"

NOTES (DIMENSIONS IN FEET AND INCHES)

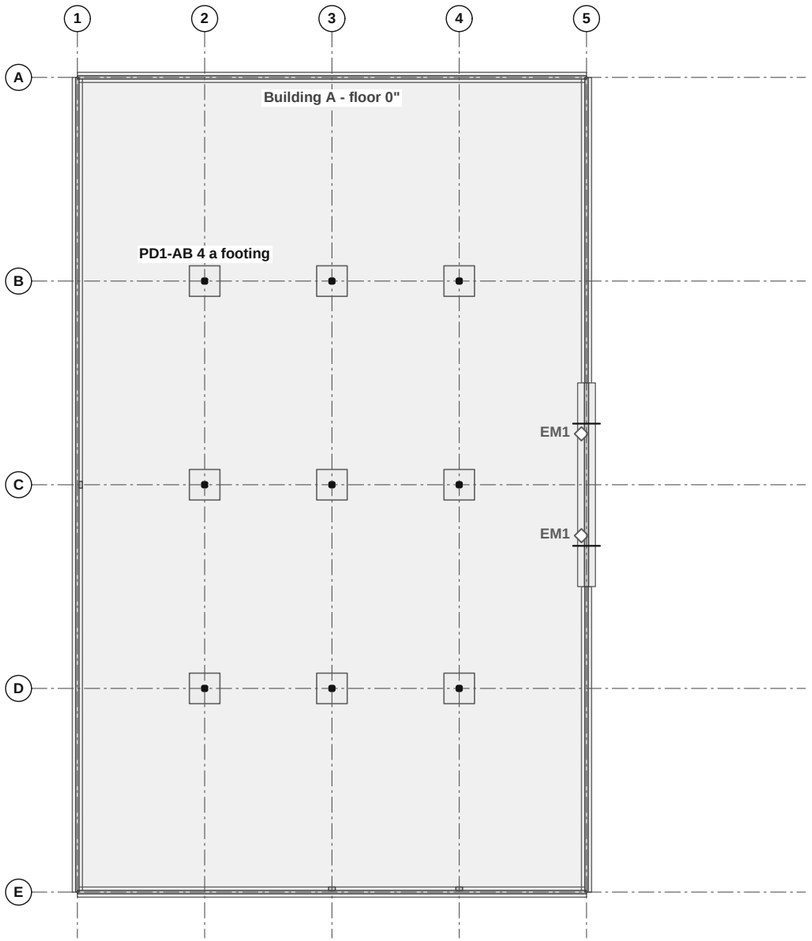
1. Footings and walls by type mark on the gridlines; sizes and reinforcing per the structural drawings.

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Foundation plan: gridlines and type marks

SIZE	DRAWING NO.	REV
11x17	C-6	0

DATE	SHEET
11/5/2026	7 of 19



1 **EMBED PLAN**

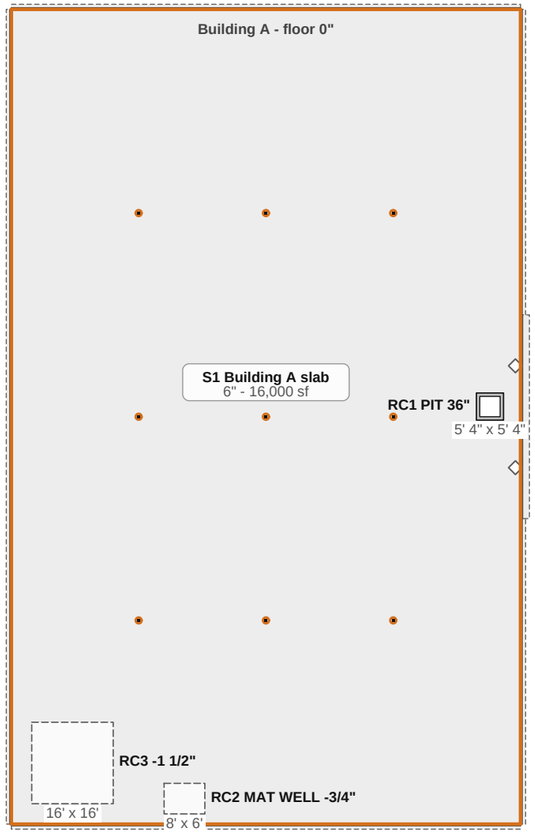
SCALE: 1" = 30'-0"

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Embeds and anchor bolts: locations and projections per the drawings and the makers' templates.

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE: **Embed plan**		
SIZE: **11x17**	DRAWING NO.: **C-7**	REV: **0**
DATE: **11/5/2026**	SHEET: **8 of 19**	



1 **RECESS PLAN**

SCALE: 1" = 30'-0"

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Recesses: depths below the slab top; pits per the structural drawings.

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Recess plan

SIZE	DRAWING NO.	REV
11x17	C-8	0

DATE	SHEET
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Slab schedule

TAG	SLAB	USE	THICK	BASE	VAPOR RETARDER	REINFORCING	FINISH	CURING	FF / FL	DEPRESSIONS	AREA	CY
S1	Building A slab	Building slab	6 in.	6 in.	Class A (per the specs)	#4 @ 18 in. EW	Hard trowel	Curing compound	-	-	16,000 sf	294.47 CY

1 **SLAB SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Slab schedule (slabs on grade; vapor retarder class, ff / fl per the specs)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Slab schedule

SIZE	DRAWING NO.	REV
11x17	**C-9**	**0**

DATE	SHEET
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Joint schedule

TAG	SLAB	MAX APART	PANELS	CONTROL	SAW-CUT	CONSTRUCTION	DOWELS	ISOLATION	COLUMNS
S1	Building A slab	15'	14' 7" x 14' 3" max	1,960 LF	Early-entry 1-4 h	0 LF	-	543.6 LF	9 diamond

1 **JOINT SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Joint schedule: control joints per nrmca cip 6, joints in concrete slabs on grade (2014) (30 x the thickness, 15 ft max, 1.5:1); groove 1/4 of the slab, 1 in. min

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Joint schedule

SIZE	DRAWING NO.	REV
11x17	**C-10**	**0**

DATE	SHEET
11/5/2026	**11 of 19**

Pour schedule

#	POUR	WHAT	AREA	IN PLACE	ORDER	TRUCKS	PLACEMENT	CREW-DAYS	TESTING	DAY
1	Footings and column pads	F1, F2, RC1, PD1	-	62.29 CY	66.75 CY	7	Pump	-	Yes	
2	Stem walls	F1	-	41.83 CY	45.00 CY	5	Pump	-	Yes	
3	Dock retaining wall	F2	-	7.04 CY	7.75 CY	1	Pump	-	Yes	
4	Building A slab	S1	16,000 sf	294.47 CY	315.25 CY	32	Pump	3	Yes	

1 **POUR SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Pour schedule (order = in place + 7% waste, up to the 1/4 cy; finishing crew-days at the set sf a day)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Pour schedule

SIZE	DRAWING NO.	REV
11x17	**C-11**	**0**

DATE	SHEET
11/5/2026	**12 of 19**

Footing schedule

MARK	KIND	SIZE	REINFORCING (AS DRAWN)	QTY	CY	AT	NOTE
F1	Continuous footing	24 x 12 in.	F1-1: 3 #5 bottom, continuous; F1-2: #4 @ 24 in. transverse at spacing	480 LF	35.56 CY	F1	
F2	Spread footing	6' x 6' x 18 in.	F2-1: #6 @ 10 in. bottom, each way	9 each	18.00 CY	PD1	
F3	Continuous footing	42 x 14 in.	F3-1: 4 #5 bottom, continuous; F3-2: #5 @ 12 in. transverse at spacing, 90 deg hook	40 LF	6.65 CY	F2	retaining wall footing

1 **FOOTING SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Footing schedule: sizes and reinforcing per the structural drawings (counted as drawn, not designed)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Footing schedule

SIZE	DRAWING NO.	REV
11x17	**C-12**	**0**

DATE	SHEET
11/5/2026	**13 of 19**

Wall schedule

MARK	KIND	SIZE	REINFORCING (AS DRAWN)	LEDGE	WATERSTOP	DOWELS TO SLAB	LENGTH	CY	AT
W1	Stem wall	8 in. x 3' 6"	W1-1: #4 @ 24 in. verticals, center, 90 deg hook; W1-2: #4 @ 16 in. horizontals, center; W1-3: #4 @ 24 in. dowels from the footing, 90 deg hook	-	-	-	480 LF	41.83 CY	F1
W2	Retaining wall	10 in. x 4' 6"	W2-1: #5 @ 12 in. verticals, inside face, 90 deg hook; W2-2: #4 @ 18 in. verticals, outside face; W2-3: #4 @ 12 in. horizontals, each face; W2-4: #5 @ 12 in. dowels from the footing, 90 deg hook	-	Yes	#4 @ 24 in. x 48 in.	40 LF	7.04 CY	F2
PL1	Pilaster	16 x 8 in. (projection)	4 #5 verticals, #3 ties @ 12 in.	-	-	-	3 each	0.35 CY	F1

1 **WALL SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Wall schedule: heights footing to top; reinforcing per the structural drawings

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Wall schedule

SIZE	DRAWING NO.	REV
11x17	**C-13**	**0**

DATE	SHEET
11/5/2026	**14 of 19**

Embed schedule

MARK	NAME	KIND	SIZE	QTY	WHERE
EM1	Dock leveler embed angles	Embed plate	L4x4x3/8 x 8 ft (per the leveler maker)	2	2 places
PD1-AB	Anchor bolts at Column footings	Anchor bolt group	3/4 in. x 18 in.	36	9 footings x 4 (column maker's template)

1 **EMBED SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Embeds and anchor bolts (locations and sizes per the drawings and the makers' templates)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Embed schedule

SIZE	DRAWING NO.	REV
11x17	**C-14**	**0**

DATE	SHEET
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Recess schedule

TAG	NAME	KIND	AREA	DEPTH	IN	SLAB UNDER	CONCRETE	EDGES / FORMS	NOTES
RC1	Dock sump	Sump / pit	16 sf	36 in., walls 8, floor 8	S1	-	-0.53 CY / 2.08 CY	115.6 sf	waterproofed
RC2	Entry mat well	Mat well / walk-off	48 sf	3/4 in.	S1	5 1/4 in.	-0.11 CY	28 LF	
RC3	Restroom tile recess	Finish recess	256 sf	1 1/2 in.	S1	4 1/2 in.	-1.19 CY	64 LF	Tile on a mortar bed

1 **RECESS SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Slab recesses (slab concrete change / concrete of pits, pads and infill)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Recess schedule

SIZE	DRAWING NO.	REV
11x17	**C-15**	**0**

DATE	SHEET
11/5/2026	**16 of 19**

Formwork schedule

POUR	NAME	WALLS	SYSTEM	CONTACT	PRESSURE	PLY / STUDS / WALERS / TIES (IN.)	MATERIAL	TIES	HOURS
2	Stem walls	W1 Perimeter footing	Job-built	3,378.7 sf	525 psf	3/4 in. / 2x4 @ 12 / 2-2x4 @ 32 / ties @ 24	126 sheets	490	287.2 h
3	Dock retaining wall	W2 Dock retaining wall	Job-built	463.5 sf	690 psf	3/4 in. / 2x4 @ 12 / 2-2x4 @ 26 / ties @ 24	21 sheets	84	39.4 h

1 **FORMWORK SCHEDULE**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Wall forms by pour (form cycles): pressure aci 347-04 via apa v345u; spacing from its tables 3 and 7

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Formwork schedule

SIZE	DRAWING NO.	REV
11x17	**C-16**	**0**

DATE	SHEET
11/5/2026	**17 of 19**

Form material

ITEM	A SET	TOTAL	NOTE
Plyform Class I 3/4 in., 4 x 8	126 a set	126 sheets	1 set, 5 uses a set
Studs 2x4, walers 2-2x4, strongbacks 2x6, plates and braces 2x4	6,127.9 BF a set	6741 BF	+10% a reuse
Form ties		574 each	used up each pour
Release, chamfer, nails, corner hardware		3843 sf	contact, all uses
Carpenter hours	135.1 h to build	461.7 h	326.6 h to set, strip, clean and move

1 **FORM MATERIAL**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Form material and carpenter hours (starting figures)

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TITLE: **Form material**		
SIZE: **11x17**	DRAWING NO.: **C-17**	REV: **0**
DATE: **11/5/2026**	SHEET: **18 of 19**	

Reinforcement tons

SIZE	WEIGHT	TONS
#3	20 lb	0.01 tons
#4	3,148 lb	1.57 tons
#5	2,578 lb	1.29 tons
#6	1,190 lb	0.59 tons
TOTAL	6,936 lb	3.47 tons

1 **REINFORCEMENT TONS**

NOTES (DIMENSIONS IN FEET AND INCHES)

1. Reinforcement as drawn by size (bar weights: caltrans bdd table 13.1.1)

SHOP DRAWING FOR REVIEW. NOT AN ENGINEERED DESIGN.

TITLE
Reinforcement tons

SIZE	DRAWING NO.	REV
11x17	**C-18**	**0**
DATE **11/5/2026**	SHEET **19 of 19**	