

ELECTRICAL
VAULT SLAB

8" THICK CONCRETE SLAB ON GRADE REINFORCED W/ #4 @ 12" O.C. - REBAR SHALL BE CHAIRED TO MAINTAIN THE REINFORCING AT ONE THIRD THE DEPTH BELOW THE TOP SURFACE DURING CONCRETE PLACEMENT. PLACE SLAB OVER COMPACTED FILL - RE. GEOTECHNICAL REPORT.

- C-7 24"x24"x18" - 3 CY
- C-2 24"x24"x18" - 19 CY
- C-3 24"x24"x18" - 3 CY
- C-1 24"x24"x18" - 19 CY
- C-4 24"x24"x18" - 3 CY
- C-10 16"x36"x18" - 16 CY
- C-11 16"x36"x18" - 8 CY
- C-12 16"x36"x18" - 3 CY
- C-6 18"x32"x18" - 5 CY
- PC-1C 5'8"x4'6"x3'H - 20 CY
- PC-2A 5'9"x9'3'2"H - 6 CY
- PC-6 13'6"x9'5'2"H - 23 CY
- 10" Detention Vault Slab - 43 CY
- Concrete Blockout 5" - 4 CY
- PC-5 11'6"x11'6"x4'H - 118 CY
- PC-4 9'9"x4'H - 72 CY
- 2'Hx1'6" Concrete Grade Beam - 63 CY
- PC-2 4'6"x9'3'2"H - 10 CY
- PC-1 4'4"x3'2"H - 11 CY
- C-5 14"x30"x18" - 8 CY
- PC-1A 3'4"x4'6"x3'2"H - 4 CY
- PC-3 3'6"H - 17 CY
- PC-3A 4'H - 24 CY
- PC-B 5'H - 81 CY
- PC-A 6'H - 497 CY
- SB-3 3'x3' Concrete Strap Beam - 13 CY
- SB-2 2'6"x2'6" Concrete Strap Beam - 5 CY
- SB-1 2'x2' Concrete Strap Beam - 4 CY
- 2'6"H x 8" thk Detention Vault Wall - 12 CY
- 8" thk Concrete Slab - 48 CY
- C-7 24"x24"x17'4" - 10 CY
- C-3 24"x24"x17'4" - 8 CY
- 5" thk Concrete Slab - 148 CY
- 8"Hx1'9" Concrete Edge - 16 CY
- 6"Hx6" Concrete Edge (Triangle) - 1 CY
- 3'3'Hx1'9" Concrete Grade Beam - 21 CY
- 6'Hx2'6" Concrete Beam - 1 CY
- 9'Hx3'8" Concrete Wash - 18 CY
- Concrete Blockout 3" - 2 CY
- 2'6"H x 8" thk Concrete Bumped Wall - 35 CY
- 2'9"H x 8" thk Concrete Bumped Wall - 5 CY
- 2'2"H x 4" thk Mechanical Vault Wall - 1 CY
- 4" Mechanical Vault Slab - 1 CY
- 1'9"H x 4" thk Mechanical Vault Wall - 0 CY
- 3" Mechanical Vault Slab on Grade - 1 CY
- 3'Hx10" Concrete Edge (Triangle) - 3 CY
- Retaining Wall 7'2"H x 10" thk (Ramp) - 17 CY
- SW 12'H x 1'4" thk - 9 CY
- 12" thk Concrete Slab (Elevator Shaft) - 6 CY
- 2'H x 8" thk Concrete Wall - 0 CY
- Retaining Wall 9'10"H x 10" thk - 7 CY
- 5" thk Concrete Slab (Ramp) - 26 CY
- SW 18'H x 1'4" thk - 159 CY
- 6'Hx1'6" Concrete Grade Beam - 2 CY

W. FIELD VERIFY
CAPS.

VAL
AB

8" THICK CONCRETE SLAB ON GRADE REINFORCED W/ #4 @ 12" O.C. - REBAR SHALL BE CHAIRED TO MAINTAIN THE REINFORCING AT ONE THIRD THE DEPTH BELOW THE TOP SURFACE DURING CONCRETE PLACEMENT. PLACE SLAB OVER COMPACTED FILL - RE. GEOTECHNICAL REPORT.

Foundation Plan - Level 01
1/8" = 1'-0"

FOUNDATION NOTES:

- TOP OF CONCRETE ELEVATION = SEE PLAN
- SLAB THICKNESS = SEE PLAN
- CONCRETE STRENGTH = 5,000 PSI
- C-X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- SW-X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 TO S5.212 FOR ELEVATIONS
- SEE SHEET S3.002-S3.004 FOR PILE CAP PLANS & REINFORCING
- X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- CMU WALLS
- CMU WALLS ABOVE 2'-9" TALL BUMPER WALL
- INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REIN. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- SB-X INDICATES STRAP BEAM. SEE DETAIL 4/S3.110 FOR SCHEDULE.

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ecture

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PROJECT TITLE

MARLOWE TOWER

1211 CAROLINE
HOUSTON, TEXAS 77002

A PROJECT FOR
RANDALL DAVIS COMPANY
+ DC PARTNERS

STRUCTURAL CONSULTANTS ASSOCIATES, INC.

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Orlando, Florida 32817-8200
Texas Registered Engineering Firm: P-4197

GENERAL NOTES

DATE	REVISION
2 11/12/2015	ISSUE FOR SITE & FOUNDATION PERMIT 02
3 12/29/2015	ISSUE FOR BUILDING PERMIT
4 02/12/2016	FOUNDATION RE-PERMIT
5 06/29/2016	ADDENDUM 03
6 7/20/2016	TOWER CRANE
7 9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Foundation Plan - Level 01

SCA Project No: 214192

SEAL

SHEET NUMBER



S1.100

- Pile P1 - 153 EA
- Pile P2 - 23 EA
- Pile P3 - 25 EA
- Pile P4 - 16 EA
- Pile P5 - 11 EA

Foundation Plan - Level 01
1/8" = 1'-0"

FOUNDATION NOTES:

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- SLAB THICKNESS = SEE PLAN
- CONCRETE STRENGTH = 5,000 PSI
- C-X INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- SW-X INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 TO S5.212 FOR ELEVATIONS
- SEE SHEET S3.002-S3.004 FOR PILE CAP PLANS & REINFORCING
- XX' = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- CMU WALLS
- CMU WALLS ABOVE 2'-9" TALL BUMPER WALL
- INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REIN. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- SB-X INDICATES STRAP BEAM. SEE DETAIL 4/S3.110 FOR SCHEDULE.

ELECTRICAL VAULT SLAB

8" THICK CONCRETE SLAB ON GRADE REINFORCED W/ #4 @ 12" O.C. - REBAR SHALL BE CHAIRED TO MAINTAIN THE REINFORCING AT ONE THIRD THE DEPTH BELOW THE TOP SURFACE DURING CONCRETE PLACEMENT. PLACE SLAB OVER COMPACTED FILL - RE: GEOTECHNICAL REPORT.

5" THICK CONCRETE SLAB ON GRADE REINFORCED W/ #3 @ 18" O.C. - REBAR SHALL BE CHAIRED TO MAINTAIN THE REINFORCING AT ONE THIRD THE DEPTH BELOW THE TOP SURFACE DURING CONCRETE PLACEMENT. PLACE SLAB OVER COMPACTED FILL - RE: GEOTECHNICAL REPORT.

DETENTION VAULT BELOW. FIELD VERIFY LOCATION TO AVOID PILE CAPS.

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Texas Registered Engineering Firm: P-197

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4 02/12/2016	FOUNDATION RE-PERMIT
5 06/29/2016	ADDENDUM 03
6 7/20/2016	TOWER CRANE
7 9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Foundation Plan - Level 01

SCA Project No: 214192

SEAL

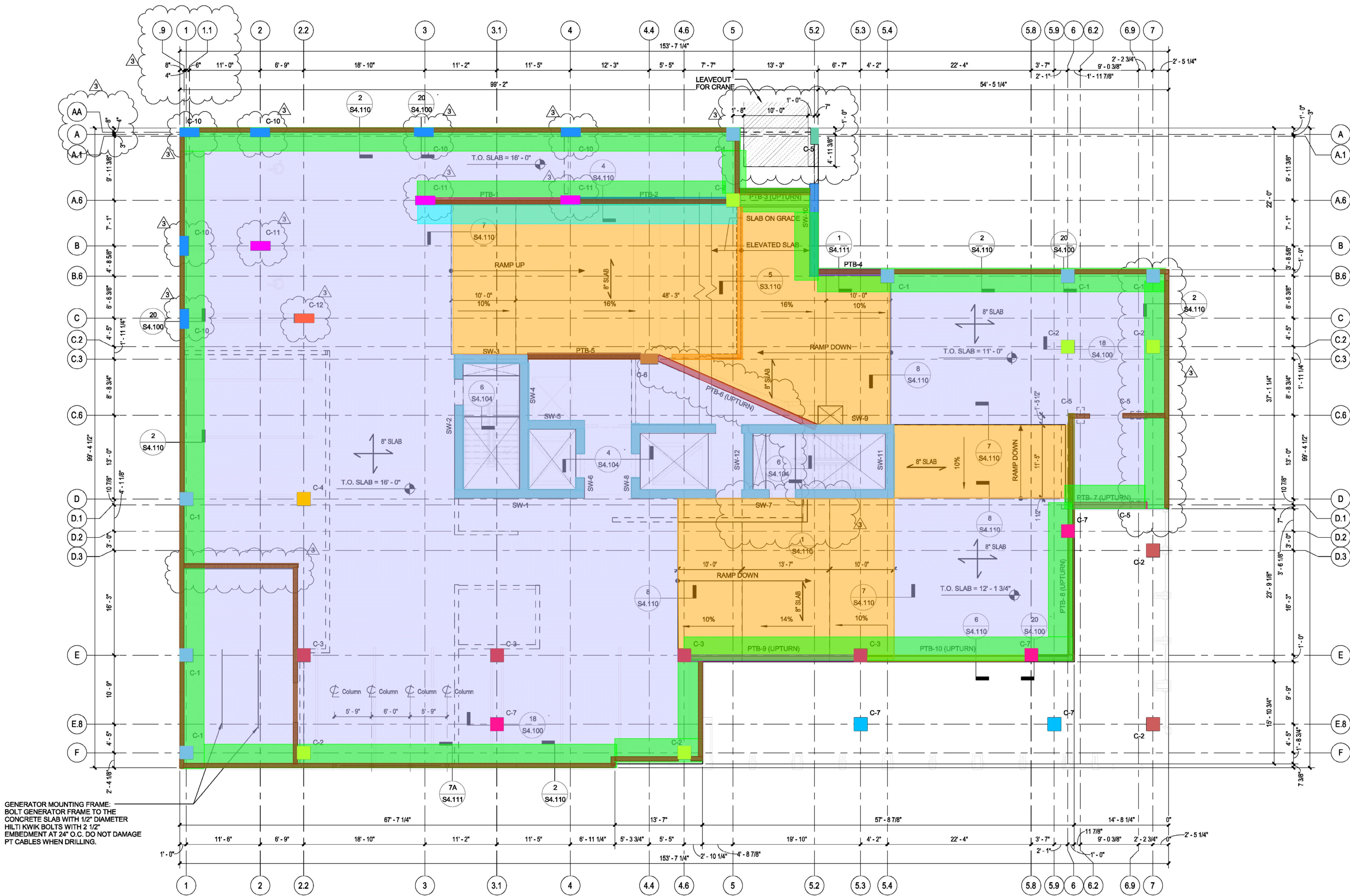
SHEET NUMBER



S1.100

C:\Users\jancal\Desktop\REVIT PROJECTS\Marlowe\214192 Marlowe Tower (R15).rvt 9/14/2016 10:40:32 PM

- 8" thick Concrete Slab - 233 CY
- 2'6"H x 8" thick Concrete Bumped Wall - 30 CY
- 3'1"x3'8" Concrete Wash - 16 CY
- 8" thick Concrete Slab (Ramp) - 75 CY
- C-10 16"x36"x9'4" - 8 CY
- C-1 24"x24"x9'4" - 10 CY
- C-2 24"x24"x9'4" - 7 CY
- C-3 24"x24"x9'4" - 6 CY
- C-7 24"x24"x9'4" - 4 CY
- PTB-9 (Upturn) 12"x53" - 113 CF
- PTB-10 (Upturn) 12"x53" - 109 CF
- PTB-8 (Upturn) 12"x53" - 181 CF
- C-11 16"x36"x9'4" - 4 CY
- C-4 24"x24"x9'4" - 1 CY
- C-12 16"x36"x9'4" - 1 CY
- PTB-3 (Upturn) 12"x53" - 48 CF
- PTB-7 (Upturn) 12"x53" - 50 CF
- PTB-4 (Upturn) 12"x53" - 43 CF
- C-6 18"x32"x9'4" - 1 CY
- 3'Hx3' Concrete Wash - 1 CY
- PTB-1 12"x53" - 86 CF
- PTB-2 12"x53" - 100 CF
- 7'Hx10" Concrete Edge - 1 CY
- PTB-5 12"x53" - 78 CF
- PTB-6 (Upturn) 12"x53" - 119 CF
- C-2 24"x24"x10' (Lower to upper) - 3 CY
- C-7 24"x24"x10' (Lower to upper) - 3 CY
- C-5 14'4"H x 1'4" thick - 10 CY
- SW 9'4"H x 1'4" thick - 80 CY



1 Forming Plan - Level 02
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
9. [X-X'] = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
10. [Hatched Box] = CMU WALLS
11. [Hatched Box] = CMU WALLS ABOVE 2'-9" TALL BUMPER WALL
12. [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
13. RE. ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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Texas Registered Engineering Firm: P-4197

GENERAL NOTES

	DATE	REVISION
1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	02/19/2016	ADDENDUM 02
3	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 02

SCA Project No: 214192

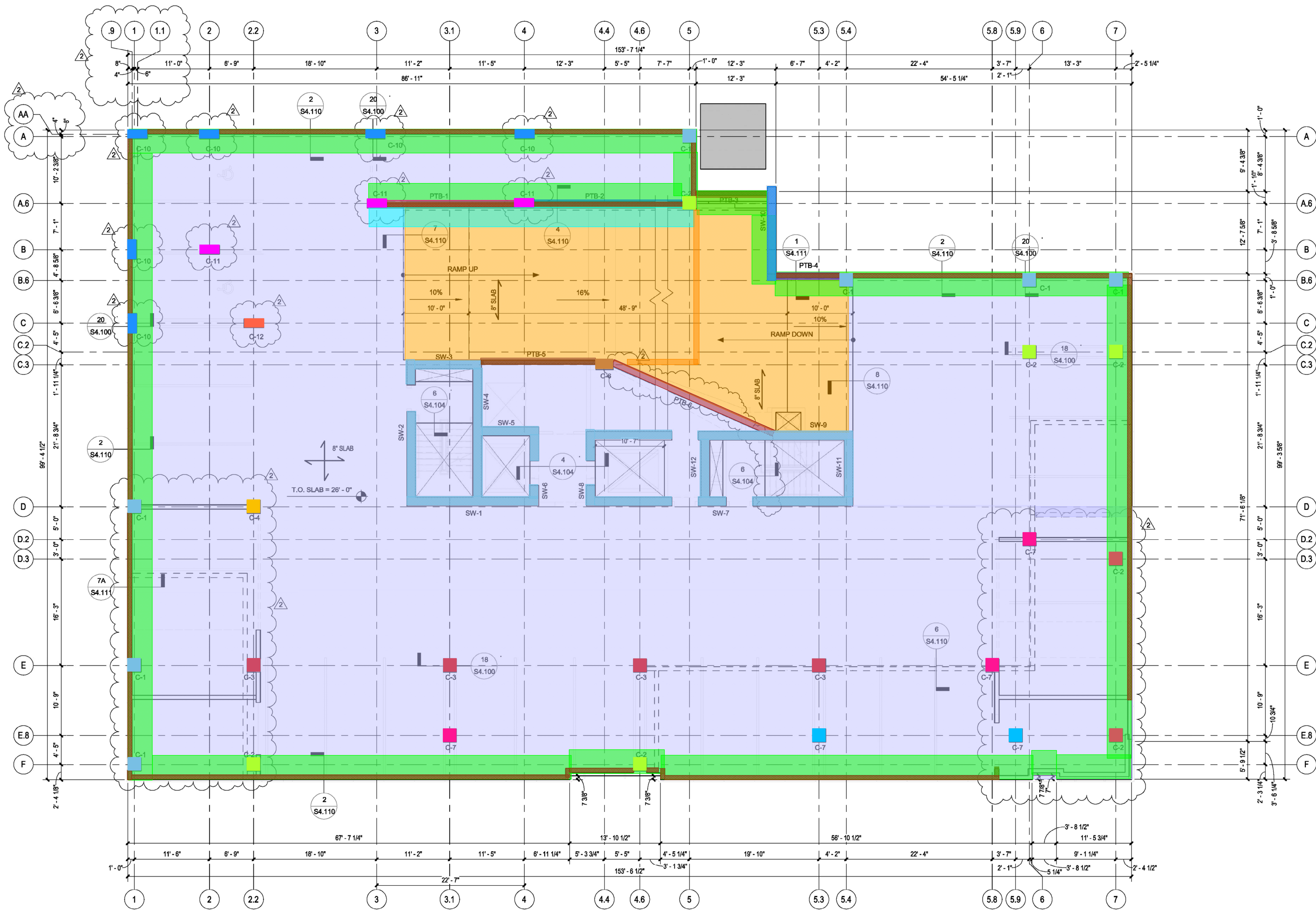
SEAL

SHEET NUMBER



S2.101

- 8" thk Concrete Slab - 301 CY
- 2'6"H x 8" thk Concrete Bumped Wall - 30 CY
- 3"Hx3'8" Concrete Wash - 18 CY
- 8" thk Concrete Slab (Ramp) - 46 CY
- C-10 16"x36"x9'4" - 8 CY
- C-1 24"x24"x9'4" - 10 CY
- C-2 24"x24"x9'4" - 7 CY
- C-3 24"x24"x9'4" - 6 CY
- C-7 24"x24"x9'4" - 4 CY
- C-11 16"x36"x9'4" - 4 CY
- C-4 24"x24"x9'4" - 1 CY
- C-12 16"x36"x9'4" - 1 CY
- PTB-3 (Upturn) 12"x53" - 48 CF
- PTB-4 (Upturn) 12"x53" - 43 CF
- C-6 18"x32"x9'4" - 1 CY
- 3"Hx3' Concrete Wash - 1 CY
- PTB-1 12"x53" - 86 CF
- PTB-2 12"x53" - 100 CF
- 7"Hx10' Concrete Edge - 1 CY
- PTB-5 12"x53" - 78 CF
- PTB-6 (Upturn) 12"x53" - 119 CF
- C-2 24"x24"x10' (Lower to upper) - 3 CY
- C-7 24"x24"x10' (Lower to upper) - 3 CY
- SW 14'4"H x 1'4" thk - 10 CY
- SW 9'4"H x 1'4" thk - 80 CY



1 Forming Plan - Level 03
1/8" = 1'-0"

FORMING NOTES:

- 1.) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2.) SLAB THICKNESS = 8" U.N.O.
- 3.) CONCRETE STRENGTH = 5,000 PSI
- 4.) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5.) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6.) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7.) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8.) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
- 9.) "X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10.) [Hatched Box] = CMU WALLS
- 11.) [Hatched Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12.) [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
13. RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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GENERAL NOTES

	DATE	REVISION
1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 03

SCA Project No: 214192

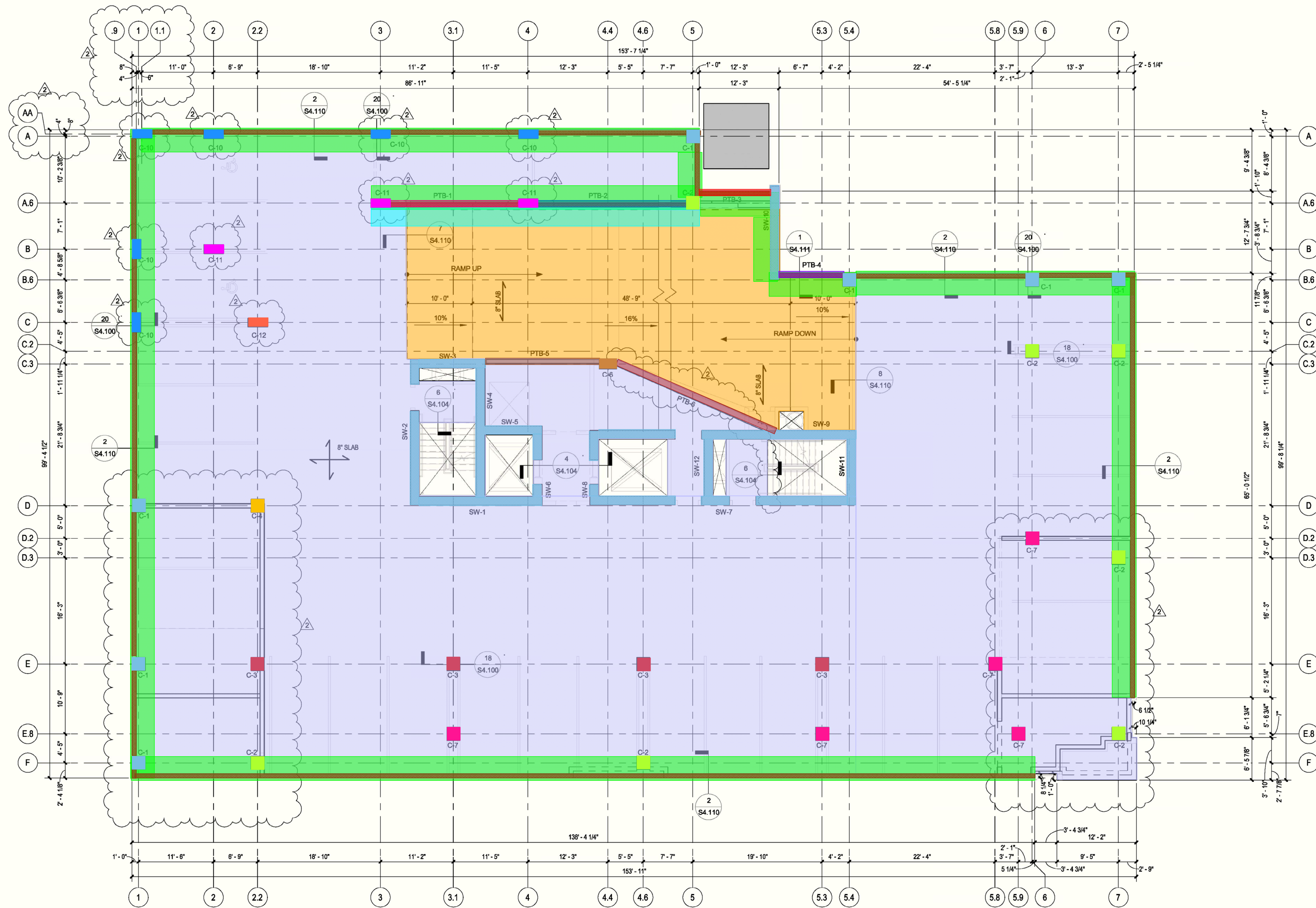
SEAL

SHEET NUMBER



S2.102

- 8" thk Concrete Slab - 292 CY
2'6"H x 8" thk Concrete Bumped Wall - 29 CY
3"Hx3'8" Concrete Wash - 18 CY
8" thk Concrete Slab (Ramp) - 45 CY
C-10 16"x36"x9'4" - 8 CY
C-1 24"x24"x9'4" - 10 CY
C-2 24"x24"x9'4" - 10 CY
C-3 24"x24"x9'4" - 6 CY
C-7 24"x24"x9'4" - 7 CY
C-11 16"x36"x9'4" - 4 CY
C-4 24"x24"x9'4" - 1 CY
C-12 16"x36"x9'4" - 1 CY
PTB-3 (Upturn) 12"x53" - 49 CF
PTB-4 (Upturn) 12"x53" - 44 CF
C-6 18"x32"x9'4" - 1 CY
3"Hx3' Concrete Wash - 1 CY
PTB-1 12"x53" - 86 CF
PTB-2 12"x53" - 102 CF
PTB-5 12"x53" - 77 CF
PTB-6 (Upturn) 12"x53" - 117 CF
SW 9'4"H x 1'4" thk - 87 CY



1 Forming Plan - Level 04
1/8" = 1'-0"

- FORMING NOTES:**
- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
 - 2) SLAB THICKNESS = 8" U.N.O.
 - 3) CONCRETE STRENGTH = 5,000 PSI
 - 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
 - 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
 - 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
 - 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.
 - 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
 9. [X-X'] = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
 10. [Hatched Box] = CMU WALLS
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 12. [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
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GENERAL NOTES

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CHECKED BY: LG

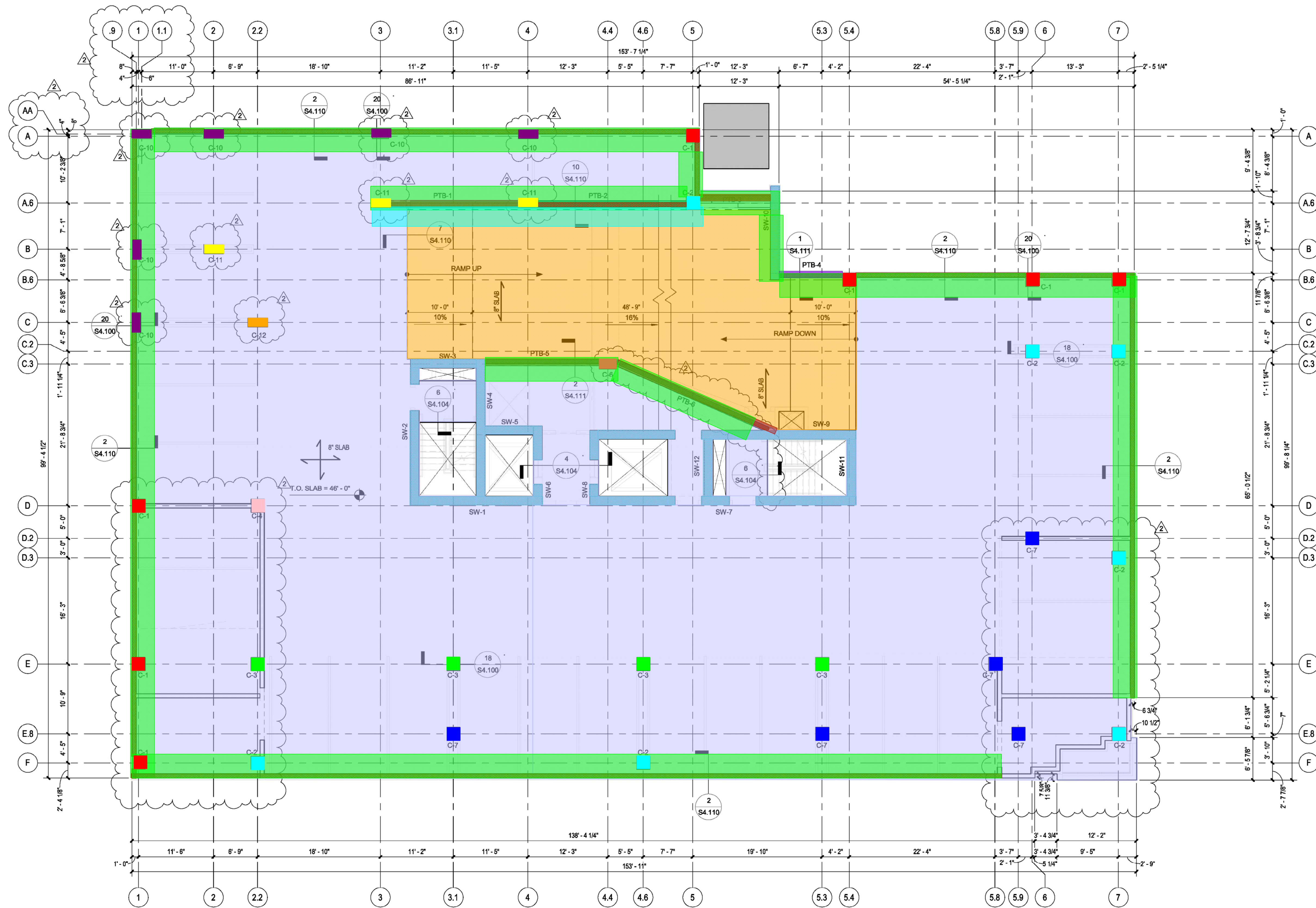
SHEET TITLE

Forming Plan - Level 04

SCA Project No: 214192

SEAL	SHEET NUMBER
	S2.103

- C-7 24"x24"x18" - 13 CY
- C-2 24"x24"x18" - 19 CY
- C-3 24"x24"x18" - 11 CY
- C-1 24"x24"x18" - 19 CY
- C-4 24"x24"x18" - 3 CY
- C-10 16"x36"x18" - 16 CY
- C-11 16"x36"x18" - 8 CY
- C-12 16"x36"x18" - 3 CY
- 8" thk Concrete Slab - 293 CY
- 2'6"H x 8" thk Concrete Bumped Wall - 32 CY
- 3"Hx38" Concrete Wash - 19 CY
- 8" thk Concrete Slab (Ramp) - 45 CY
- PTB-3 (Upturn) 12"x53" - 48 CF
- PTB-4 (Upturn) 12"x53" - 43 CF
- C-6 18"x32"x9'4" - 1 CY
- 3"Hx3" Concrete Wash - 1 CY
- PTB-1 12"x53" - 87 CF
- PTB-2 12"x53" - 100 CF
- PTB-5 12"x53" - 77 CF
- PTB-6 (Upturn) 12"x53" - 117 CF
- SW 9'4"H x 1'4" thk - 87 CY



1 Forming Plan - Level 05
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
- 9) "X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10) [Hatched Box] = CMU WALLS
- 11) [Hatched Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12) [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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GENERAL NOTES

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PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 05

SCA Project No: 214192

SEAL

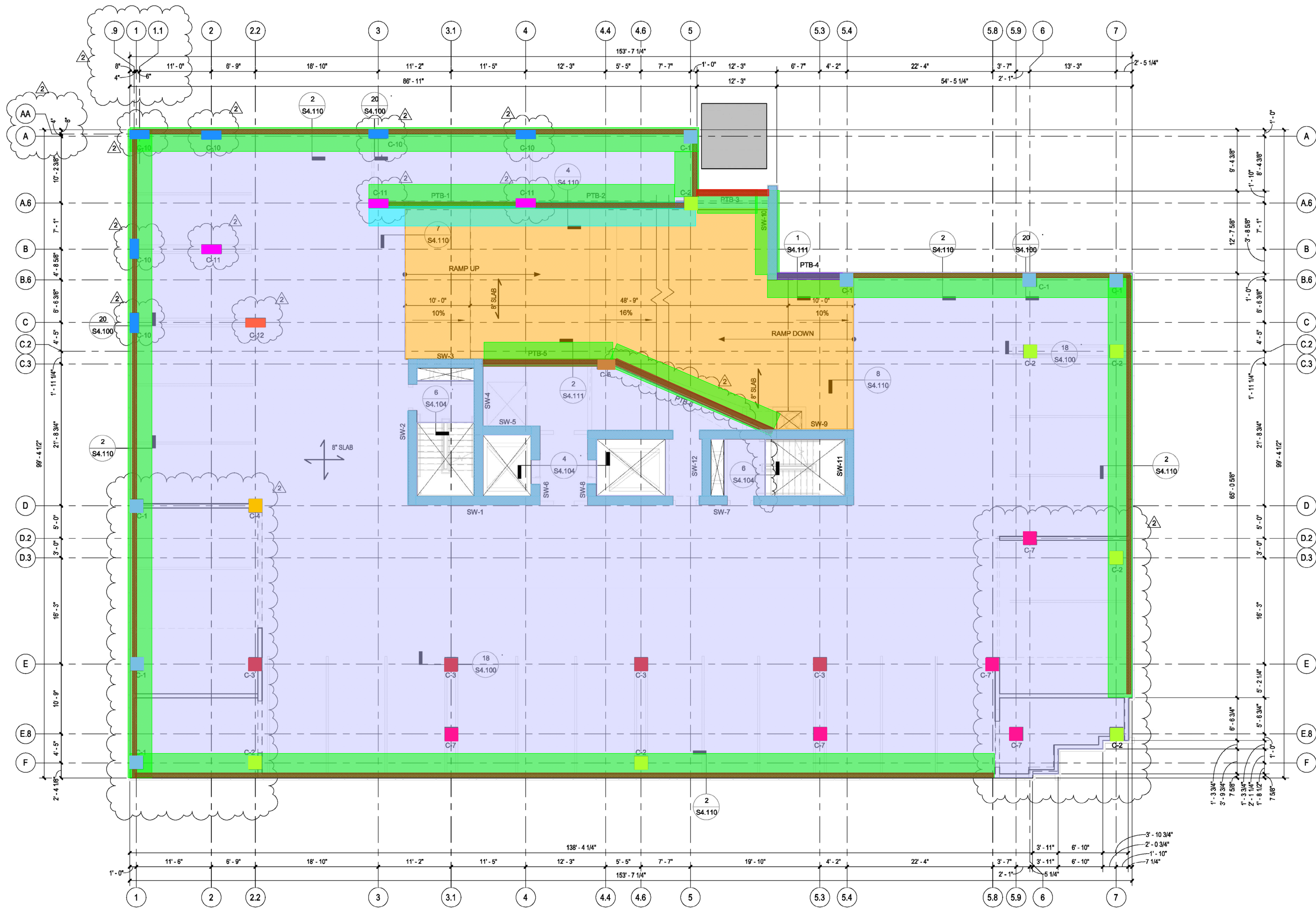
SHEET NUMBER



S2.104

C:\Users\jgarcia\Desktop\REVIT PROJECTS\Marlowe\214192 Marlowe Tower (R15).rvt 9/14/2016 10:41:07 PM

- 8" thk Concrete Slab - 291 CY
- 2'6"H x 8" thk Concrete Bumped Wall - 33 CY
- 3"Hx3'8" Concrete Wash - 19 CY
- 8" thk Concrete Slab (Ramp) - 45 CY
- C-10 16"x36"x9'4" - 8 CY
- C-1 24"x24"x9'4" - 10 CY
- C-2 24"x24"x9'4" - 10 CY
- C-3 24"x24"x9'4" - 6 CY
- C-7 24"x24"x9'4" - 7 CY
- C-11 16"x36"x9'4" - 4 CY
- C-4 24"x24"x9'4" - 1 CY
- C-12 16"x36"x9'4" - 1 CY
- PTB-3 (Upturn) 12"x53" - 49 CF
- PTB-4 (Upturn) 12"x53" - 44 CF
- C-6 18"x32"x9'4" - 1 CY
- 3"Hx3' Concrete Wash - 1 CY
- PTB-1 12"x53" - 87 CF
- PTB-2 12"x53" - 102 CF
- PTB-5 12"x53" - 81 CF
- PTB-6 (Upturn) 12"x53" - 116 CF
- SW 9'4" H x 1'4" thk - 87 CY



1 Forming Plan - Level 06
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
9. [X-X"] = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
10. [Hatched Box] = CMU WALLS
11. [Hatched Box] = CMU WALLS ABOVE 2'-6" TALL BUMPER WALL
12. [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
13. RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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ecture

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PROJECT TITLE

MARLOWE TOWER

1211 CAROLINE
HOUSTON, TEXAS 77002

A PROJECT FOR
RANDALL DAVIS COMPANY
+ DC PARTNERS



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Orlando, Florida 32817-8833/200
Texas Registered Engineering Firm: P-4197

GENERAL NOTES

	DATE	REVISION
1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 06

SCA Project No: 214192

SEAL

SHEET NUMBER



S2.105

E

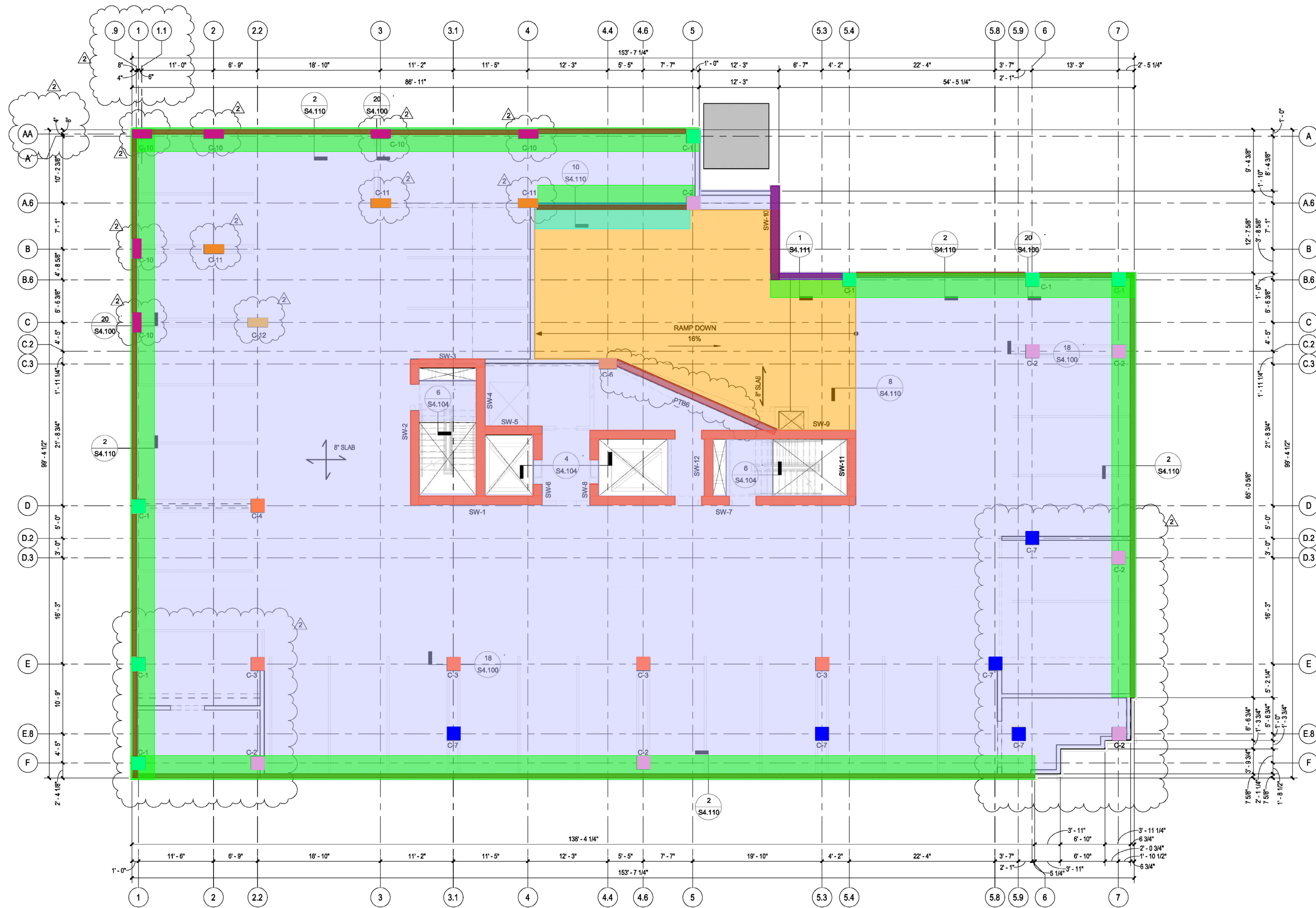
D

C

B

A

- 8" thk Concrete Slab - 302 CY
- 2'6"H x 8" thk Concrete Bumped Wall - 27 CY
- 3"Hx3'8" Concrete Wash - 16 CY
- 8" thk Concrete Slab (Ramp) - 33 CY
- PTB-4 (Upturn) 12"x53" - 43 CF
- 3"Hx3" Concrete Wash - 1 CY
- PTB-2 12"x53" - 101 CF
- PTB-6 (Upturn) 12"x53" - 118 CF
- C-1 24"x24"x14" - 15 CY
- C-3 24"x24"x14" - 8 CY
- C-2 24"x24"x14" - 15 CY
- C-10 16"x36"x14" - 12 CY
- C-11 16"x36"x14" - 6 CY
- C-4 24"x24"x14" - 2 CY
- C-12 16"x36"x14" - 2 CY
- C-6 18"x32"x14" - 2 CY
- C-7 24"x24"x14" - 5 EA
- SW 14' H x 16' thk - 120 CY
- SW 15'6" H x 16' thk - 11 CY



1 Forming Plan - Level 07
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
- 9) "X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10) [Hatched Box] = CMU WALLS
- 11) [Hatched Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12) [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

PROJECT TITLE

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+ DC PARTNERS



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Texas Registered Engineering Firm: P-197

GENERAL NOTES

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1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

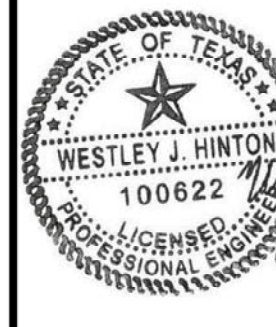
SHEET TITLE

Forming Plan - Level 07

SCA Project No: 214192

SEAL

SHEET NUMBER



S2.106

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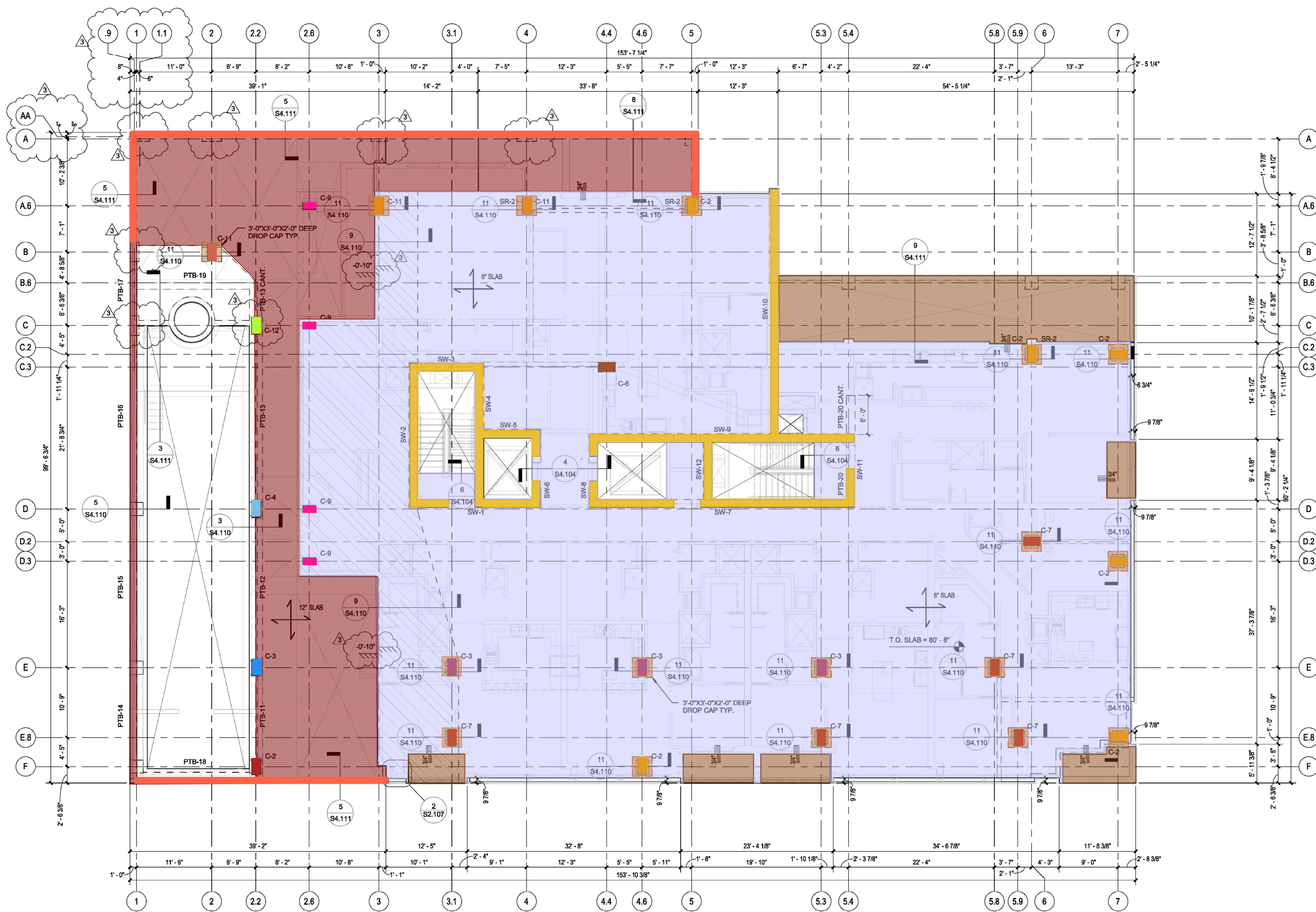
D

C

B

A

- 8" thk Concrete Slab - 221 CY
- 6" thk Concrete Slab - 196 CY
- 12" thk Concrete Slab - 84 CY
- C-7 16"x30"x12' - 7 CY
- C-3 16"x30"x12' - 4 CY
- C-2 16"x30"x12' - 9 CY
- C-11 16"x30"x12' - 3 CY
- C-6 16"x30"x12' - 1 CY
- C-2 16"x30"x24' - 3 CY
- C-3 16"x30"x24' - 3 CY
- C-4 16"x30"x24' - 3 CY
- C-12 16"x30"x24' - 3 CY
- C-11 16"x30"x24' - 3 CY
- C-9 12"x24"x12' - 4 CY
- SW 12" H x 14" thk - 111 CY
- 1'H x 1" thk Concrete Curb - 6 CY
- 1'4"H x 3' Drop Cap - 8 CY

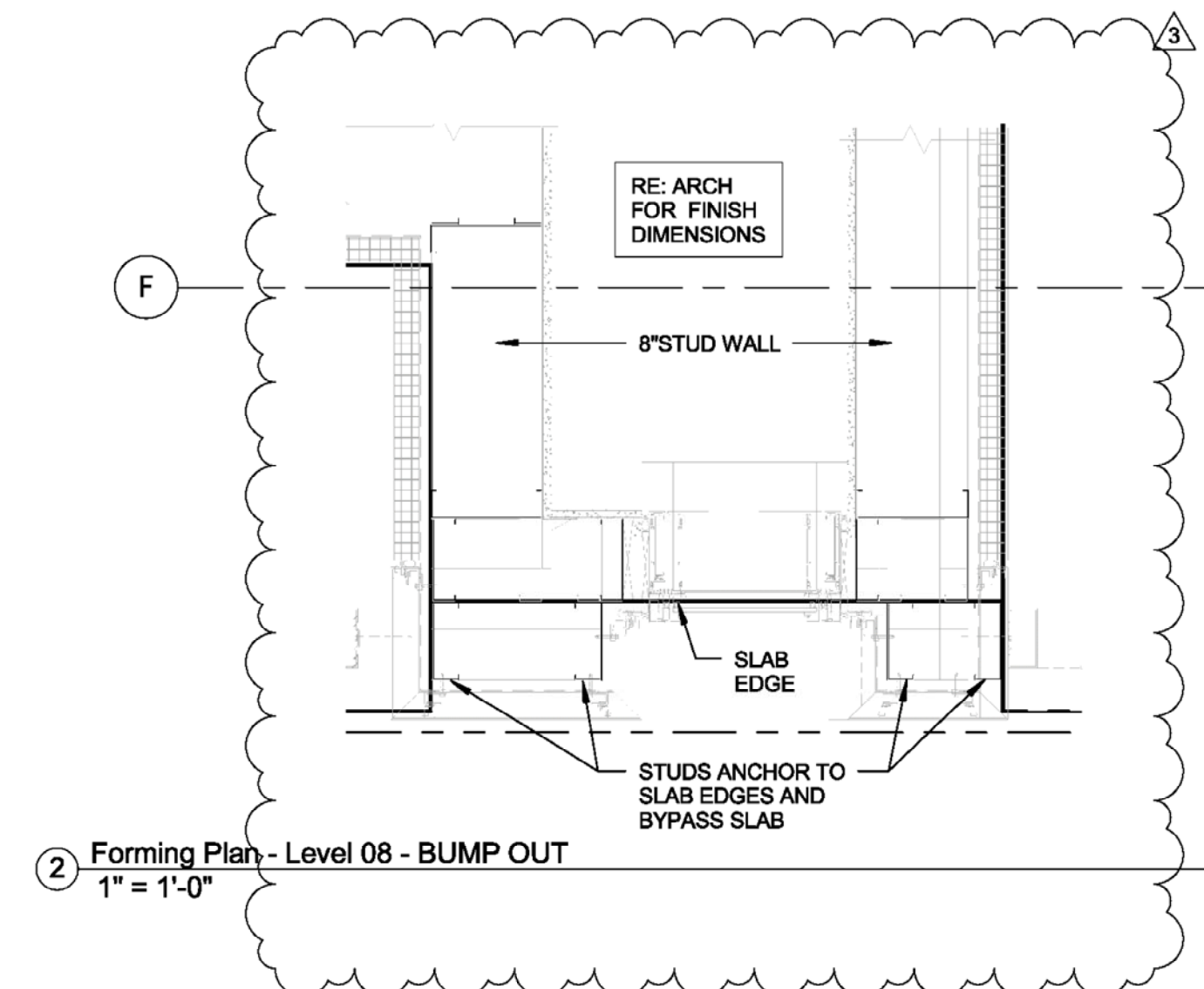


1 Forming Plan - Level 08
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
- 9) X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10) CMU WALLS
- 11) CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12) INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS



2 Forming Plan - Level 08 - BUMP OUT
1" = 1'-0"

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PROJECT TITLE

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Texas Registered Engineering Firm: P-197

GENERAL NOTES

DATE	REVISION
1 12/29/2015	ISSUE FOR BUILDING PERMIT
2 7/20/2016	TOWER CRANE
3 9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 08

SCA Project No: 214192

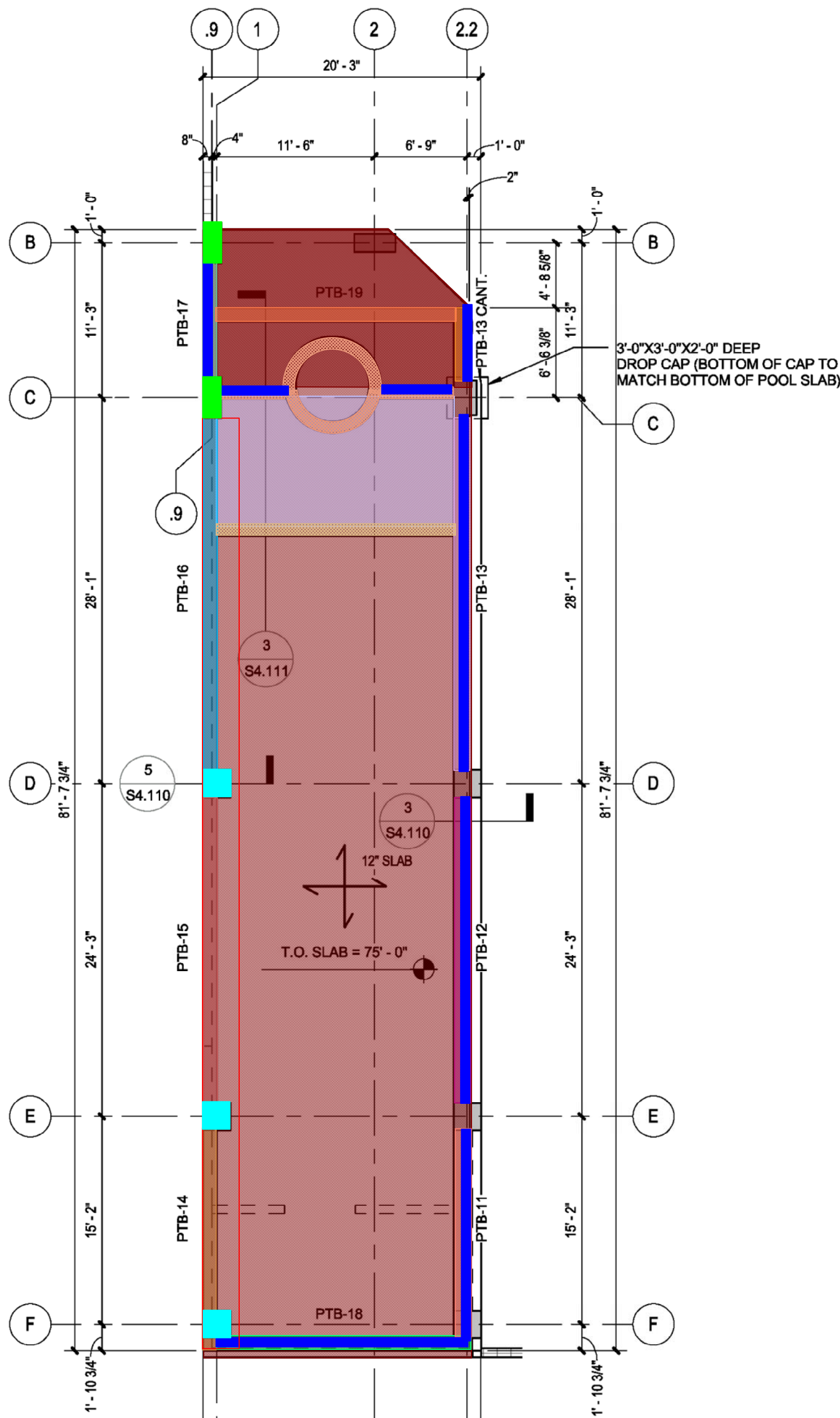
SEAL

SHEET NUMBER



S2.107

- 8" thk Concrete Slab - 4 CY
12" thk Concrete Slab - 66 CY
PTB-14 12"x72" - 97 CF
PTB-15 12"x72" - 134 CF
PTB-16 12"x72" - 155 CF
PTB-17 12"x72" - 50 CF
PTB-18 12"x72" - 111 CF
PTB-11 14"x72" - 4 CY
PTB-12 14"x72" - 6 CY
PTB-13 14"x72" - 7 CY
PTB-13 Cant. 14"x72" - 1 CY
PTB-19 12"x72" - 105 CF
3'2"H x 10" thk Concrete Wall - 2 CY
3'10"H x 10" thk Concrete Wall - 4 CY
10"H x 8" thk Concrete Curb - 2 CY
C-1 24"x24"x3'8" (Pool) - 2 CY
C-10 16"x36"x3'2" (Pool) - 1 CY
1'H x 2'8" thk Concrete Beam @ Pool - 7 CY

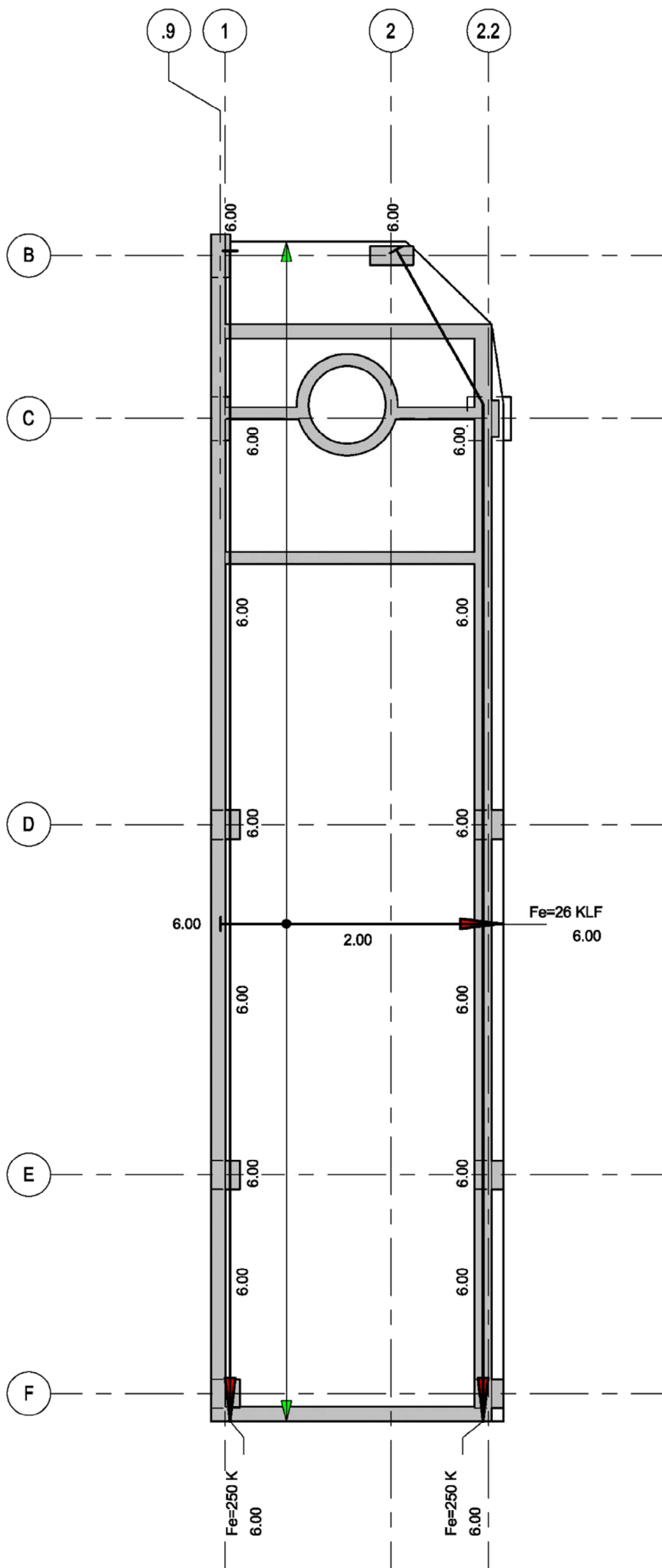


1 Forming Plan - Pool

1/8" = 1'-0"

FORMING NOTES:

- 1.) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2.) SLAB THICKNESS = 8" U.N.O.
- 3.) CONCRETE STRENGTH = 5,000 PSI
- 4.) C-X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5.) SW-X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6.) PTB-X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7.) RCB-X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.
- 8.) SR-X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
- 9.) X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10.) [Pattern] = CMU WALLS
- 11.) [Pattern] = CMU WALLS ABOVE 2'-6" TALL BUMPER WALL
- 12.) [Pattern] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
13. RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

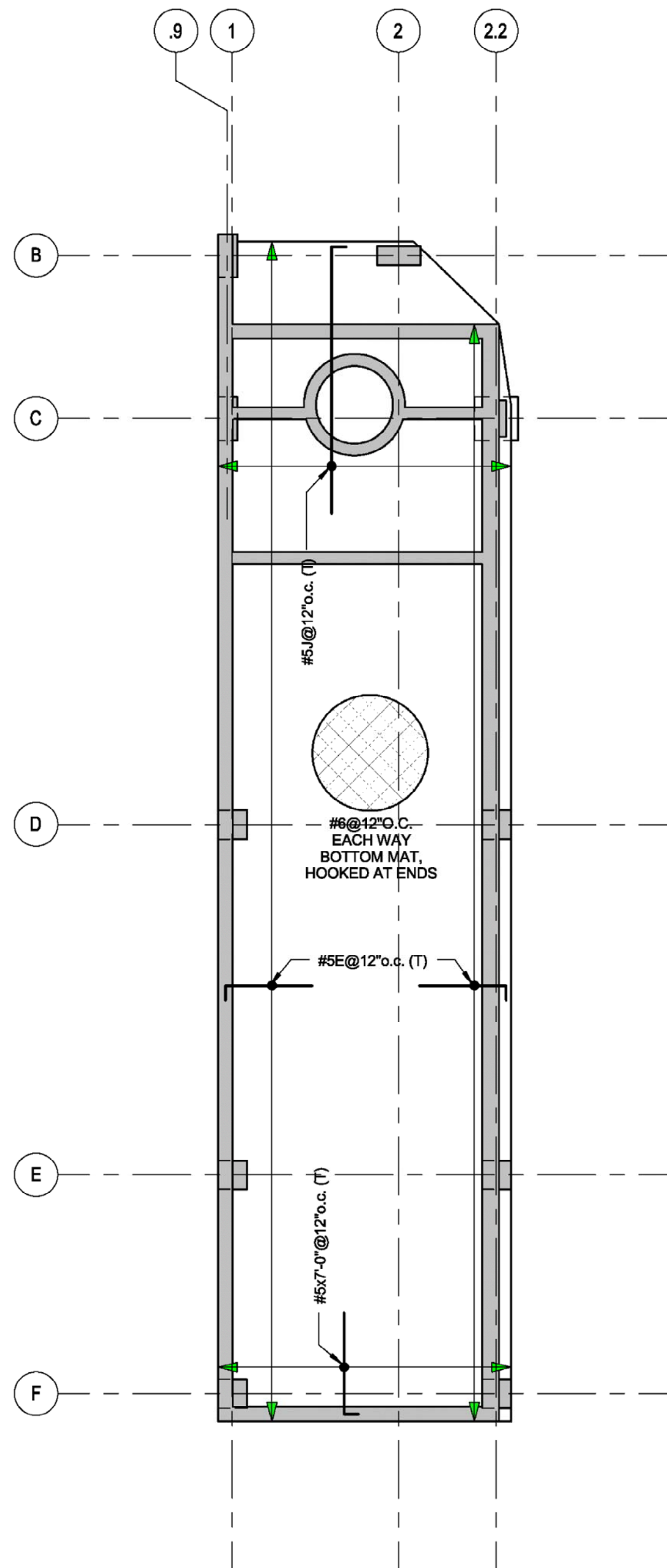


2 PT Plan - Pool

1/8" = 1'-0"

ELEVATED POST-TENSION CABLE NOTES:

- 1.) SEE SHEETS S4.100 FOR TYPICAL PT PLACEMENT DETAILS.
- 2.) Fe = EFFECTIVE FORCE IN TENDONS.
- 3.) ALL DRAPES ARE MEASURED FROM SLAB SOFFIT.
- 4.) PT TENDONS SHALL BE ENCAPSULATED IN ALL LOCATIONS.
- 5.) (T) INDICATES DRAPE MEASURED FROM BOTTOM OF BEAM.



3 Reinforcing Plan - Pool

1/8" = 1'-0"

REINFORCING NOTES:

- 1.) ALL REINF. SHOWN IS TO BE PLACED IN SLAB AS FOLLOWS:
(T) = TOP OF SLAB
(B) = BOTTOM OF SLAB
(M) = MID-DEPTH OF SLAB
(T & B) = TOP AND BOTTOM OF SLAB
- 2.) SEE SHEETS S4.101 FOR BAR PLACEMENT DIAGRAM AND BAR LAYERING SEQUENCE. FOR FLAT PLATE SLABS. SEE S4.102 FOR BAR PLACEMENT DIAGRAM AT ONE WAY GARAGE SLABS.
- 3.) PROVIDE (1) #5 CONT. (T&B) AT ALL SLAB EDGES EXTENDING 2'-6" MIN. BEYOND RE-ENTRANT CORNERS & EMBEDDED 2'-6" MIN. OR PROVIDED WITH 90° STANDARD HOOK AT THE END SUPPORTS.
- 4.) BARS GREATER THAN 60'-0" MAY BE SPLICED AT THIRD POINT IN SPAN WITH 1.3 Ld. STAGGER SPLICES SO THAT NO MORE THAN 50% OF BARS ARE SPLICED AT ANY ONE LOCATION.
- 5.) REINF. NOTED WITH ALPHABETIC SUFFIX (i.e. #5X) SHALL BE SIZED AND SPACED ACCORDING TO DIAGRAM 1/54.101.
- 6.) [Pattern] = DENOTES TEMPERATURE REINFORCING. SEE 2/S4.101

PROJECT TITLE

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GENERAL NOTES

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1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	7/20/2016	TOWER CRANE
3	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming/PT/Reinf Plan - Pool

SCA Project No: 214192

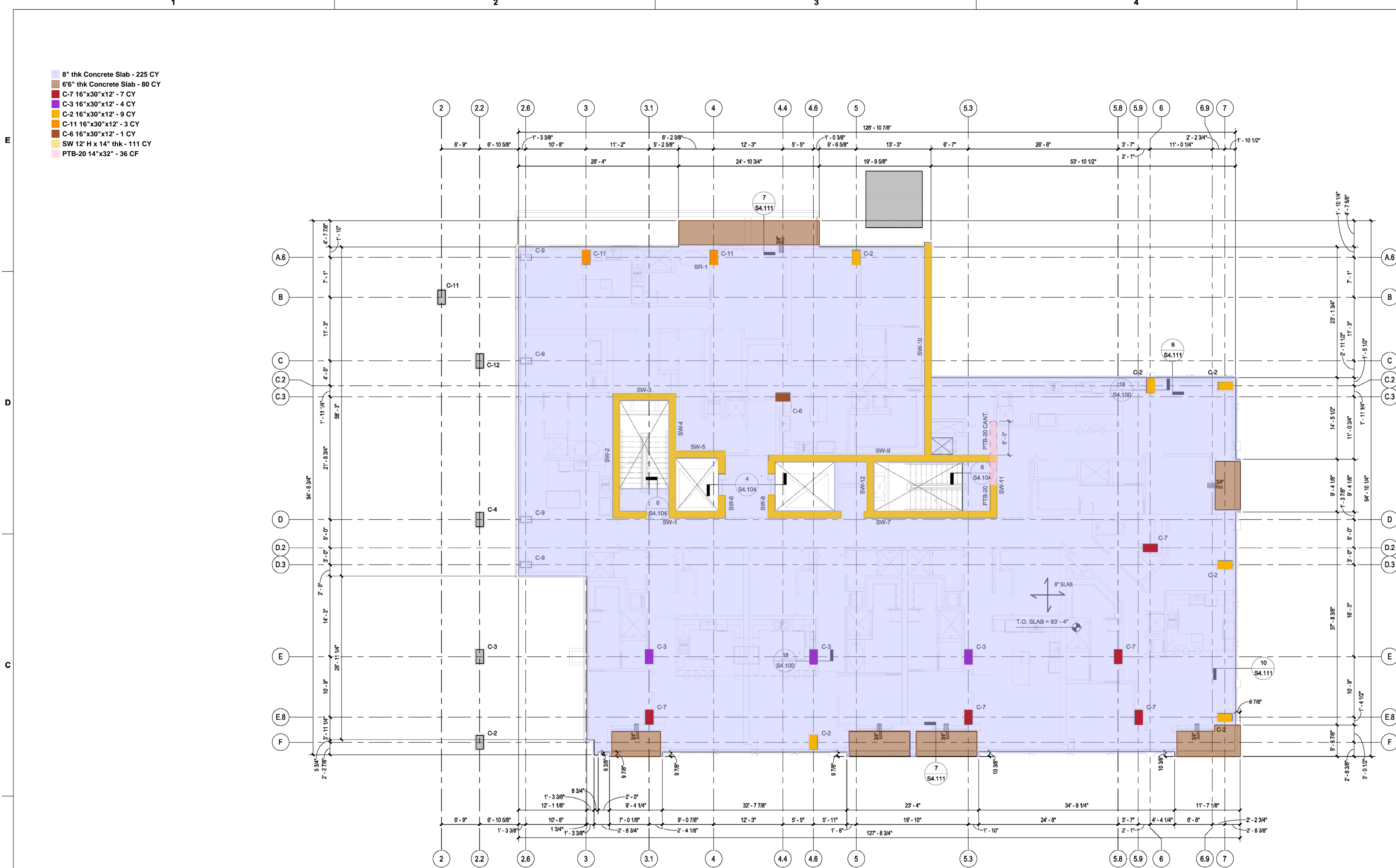
SEAL

SHEET NUMBER



S2.107A

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1 Forming Plan - Level 09
1/8" = 1'-0"

FORMING NOTES:

- 1.) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2.) SLAB THICKNESS = 8" U.N.O.
- 3.) CONCRETE STRENGTH = 5,000 PSI
- 4.) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5.) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6.) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7.) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8.) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
9. [X-X"] = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
10. [Hatched Box] = CMU WALLS
11. [Hatched Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
12. [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
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GENERAL NOTES

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PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 09

SCA Project No: 214192

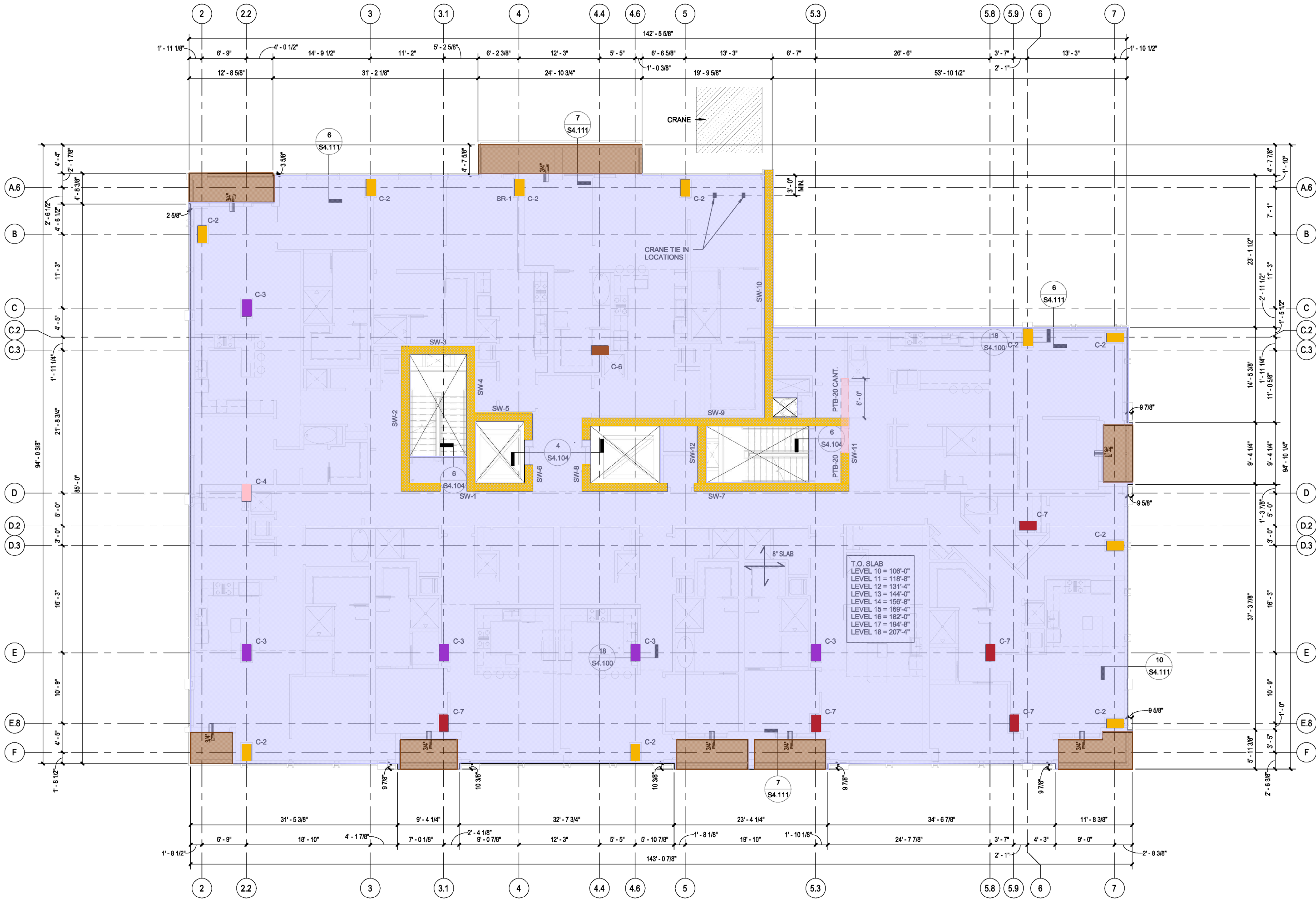
SEAL

SHEET NUMBER



S2.108

- 8" thk Concrete Slab - 266 CY
- 6" thk Concrete Slab - 105 CY
- C-4 16"x30"x12' - 1 EA
- C-7 16"x30"x12' - 7 CY
- C-3 16"x30"x12' - 7 CY
- C-2 16"x30"x12' - 15 CY
- C-6 16"x30"x12' - 1 CY
- SW 12' H x 14" thk - 111 CY
- PTB-20 14"x32" - 35 CF



1 Forming Plan - Level 10 - 18
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
- 9) "X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10) [Hatched Box] = CMU WALLS
- 11) [Dashed Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12) [Solid Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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3	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 10 -
18

SCA Project No: 214192

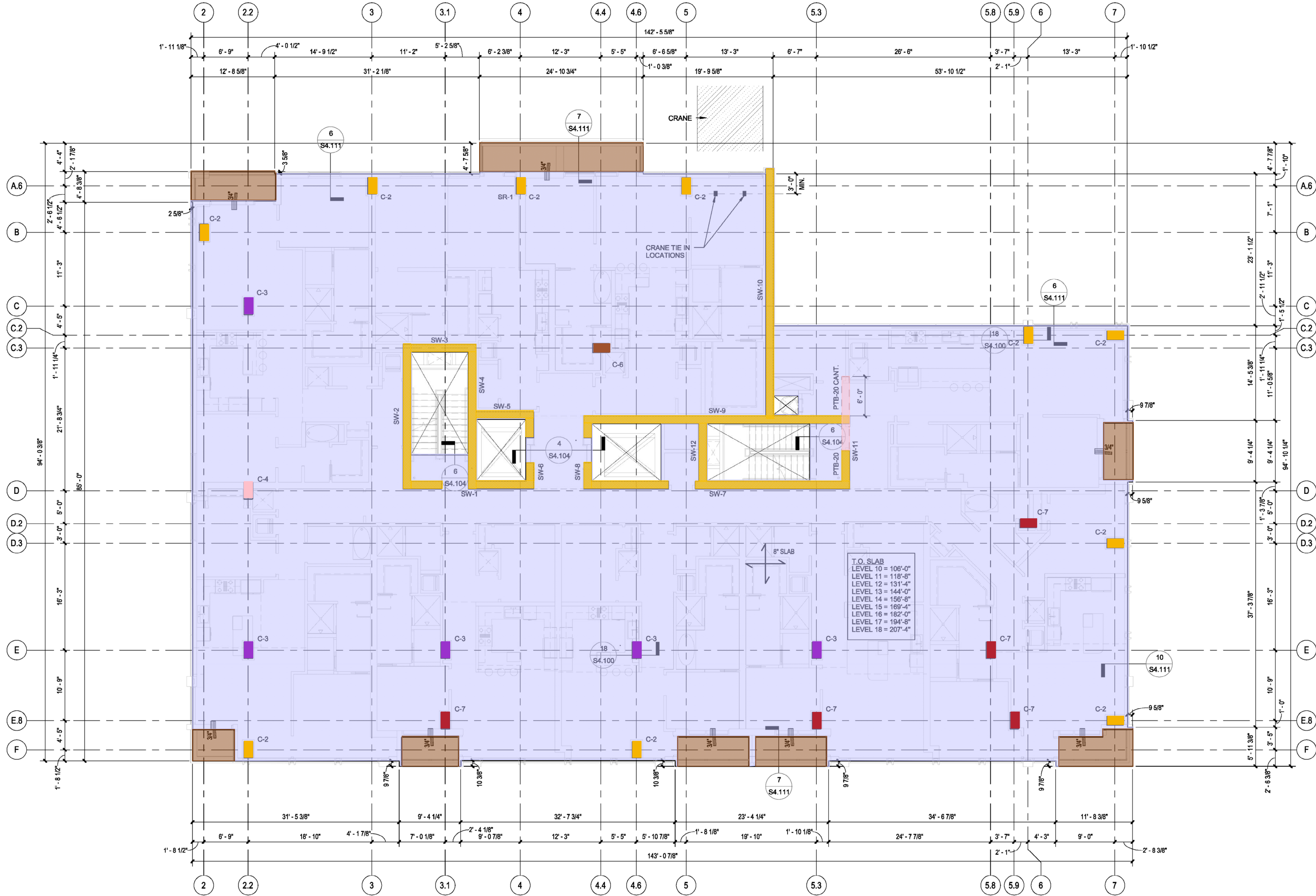
SEAL

SHEET NUMBER



S2.109

- 8" thk Concrete Slab - 266 CY
- 6" thk Concrete Slab - 105 CY
- C-4 16"x30"x12' - 1 EA
- C-7 16"x30"x12' - 7 CY
- C-3 16"x30"x12' - 7 CY
- C-2 16"x30"x12' - 15 CY
- C-6 16"x30"x12' - 1 CY
- SW 12' H x 14" thk - 111 CY
- PTB-20 14"x32" - 35 CF



1 Forming Plan - Level 10 - 18
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS
- 9) "X-X" = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
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www.scengineers.com
Dallas, Texas 75145-5298
Louisville, Kentucky 40243-6789
Orlando, Florida 32813-6200
Texas Registered Engineering Firm: P-197

GENERAL NOTES

	DATE	REVISION
1	12/29/2015	ISSUE FOR BUILDING PERMIT
2	7/20/2016	TOWER CRANE
3	9/14/2016	ISSUE FOR CONSTRUCTION

PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 10 - 18

SCA Project No: 214192

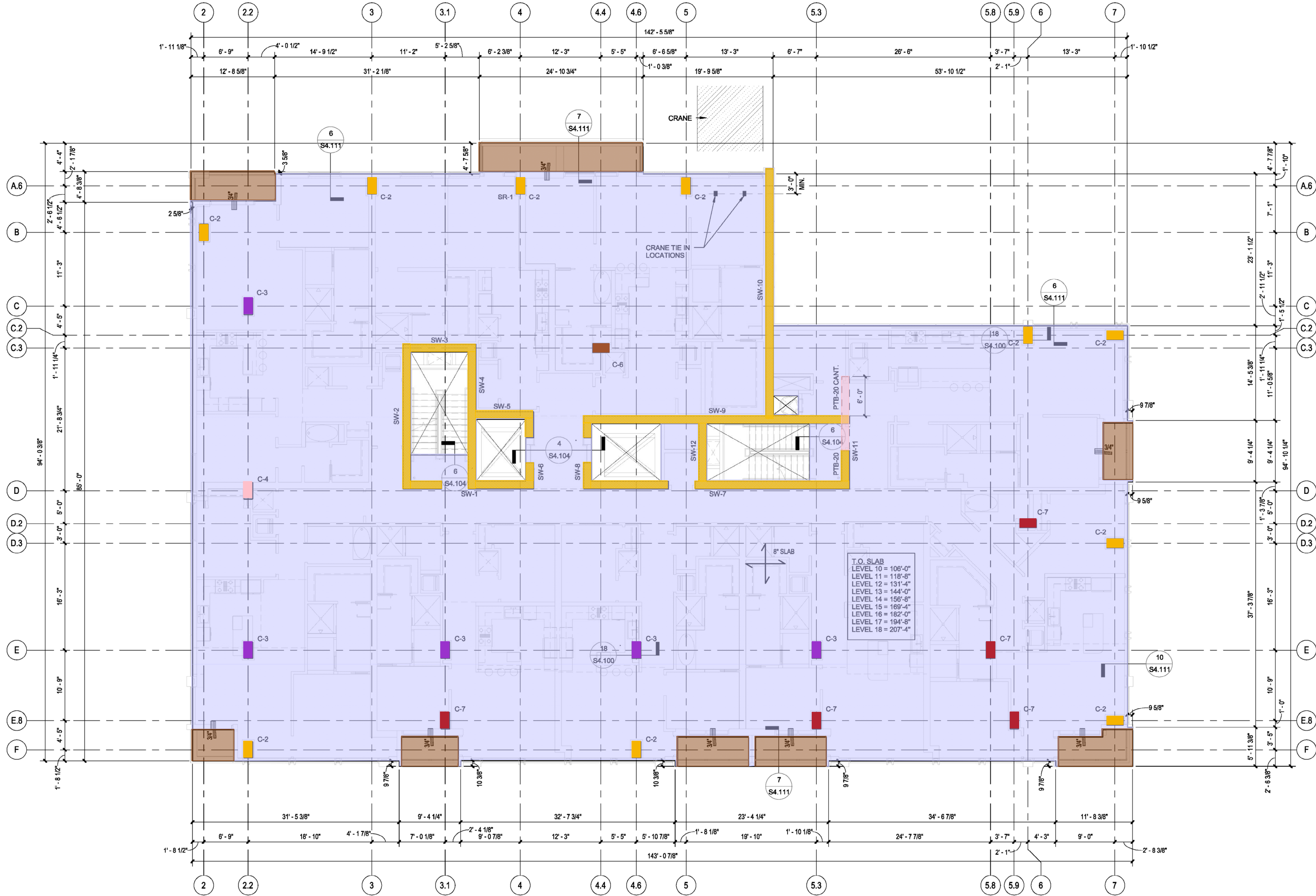
SEAL

SHEET NUMBER



S2.109

8" thk Concrete Slab - 266 CY
6" thk Concrete Slab - 105 CY
C-4 16"x30"x12' - 1 EA
C-7 16"x30"x12' - 7 CY
C-3 16"x30"x12' - 7 CY
C-2 16"x30"x12' - 15 CY
C-6 16"x30"x12' - 1 CY
SW 12' H x 14' thk - 111 CY
PTB-20 14"x32" - 35 CF



1 Forming Plan - Level 10 - 18
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
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- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
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- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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+ DC PARTNERS



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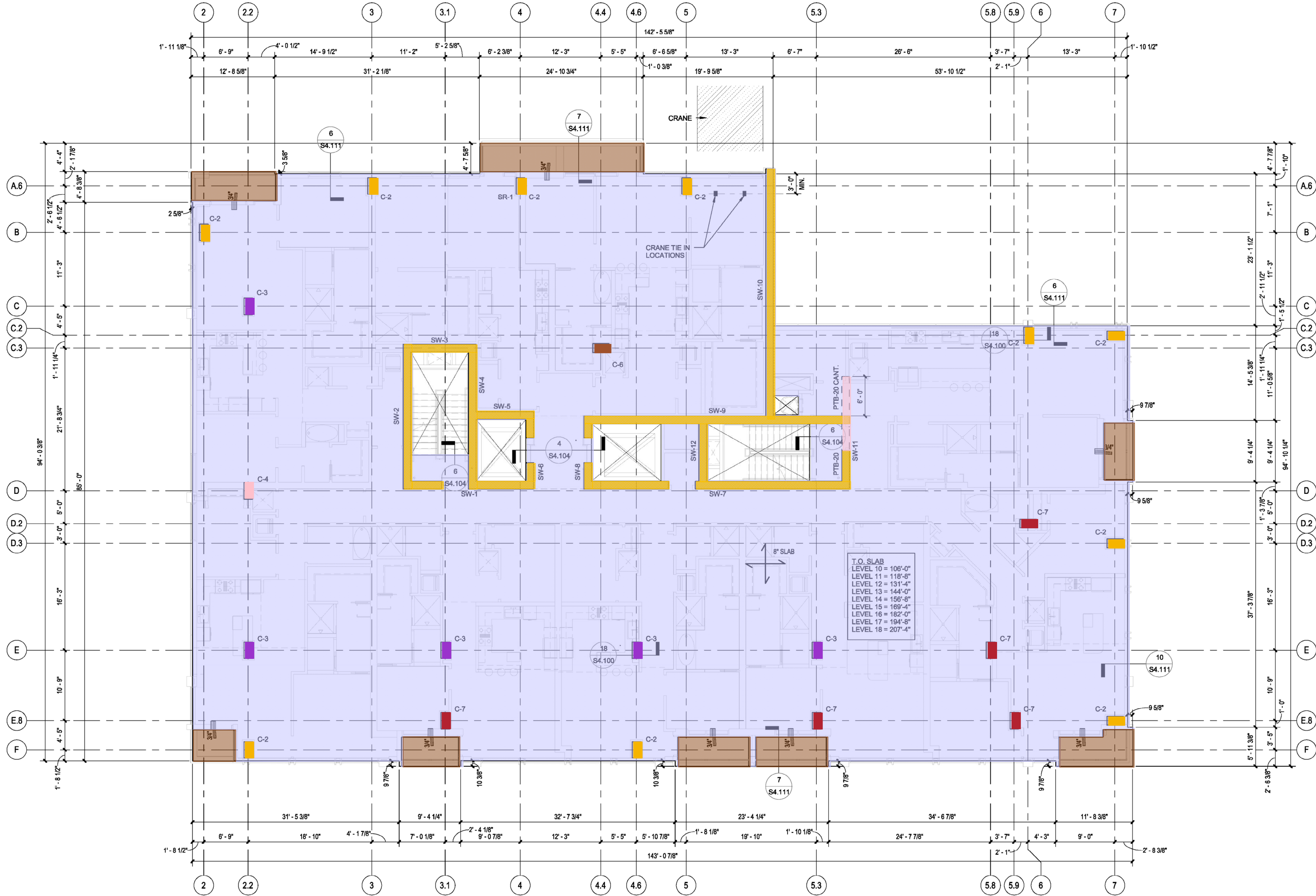
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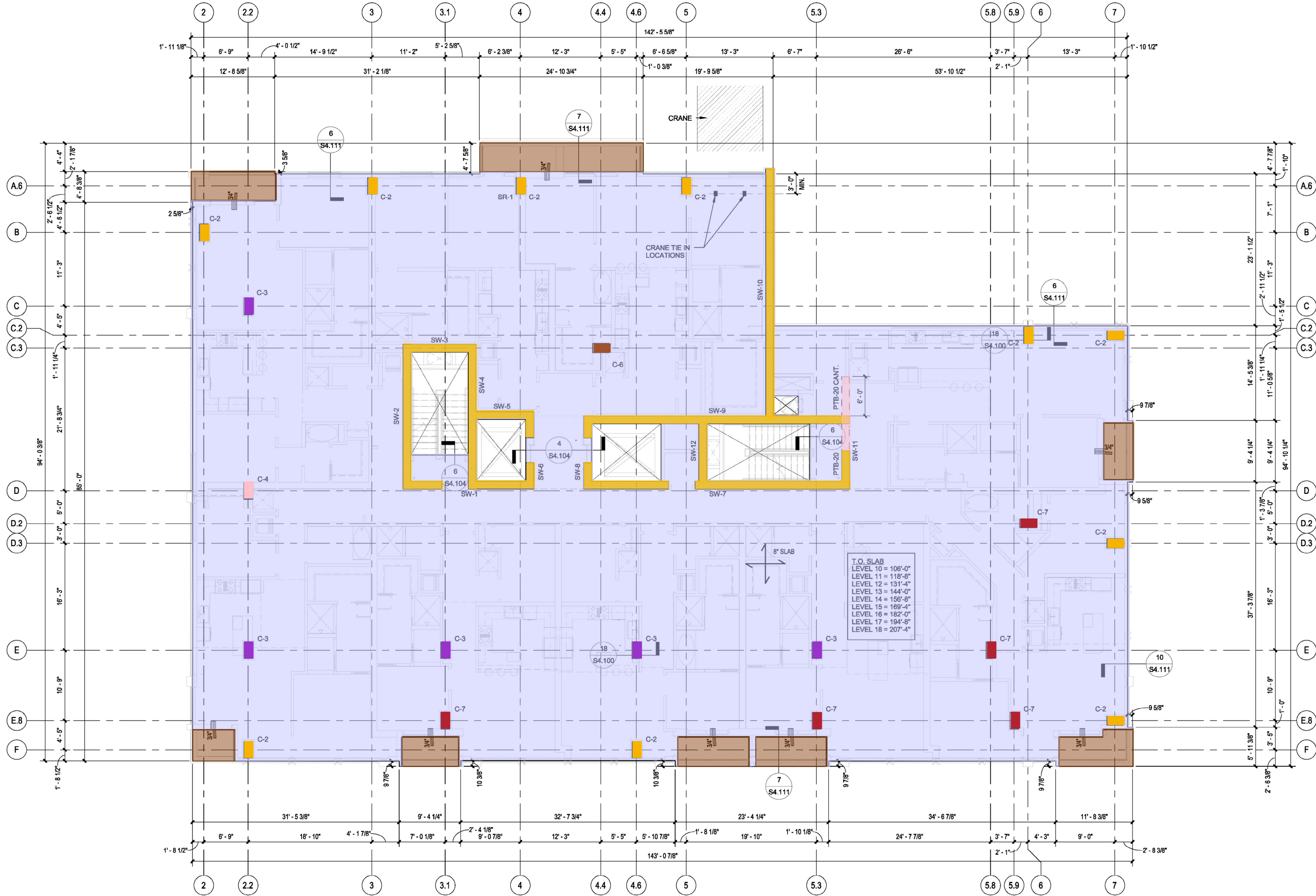
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CHECKED BY: LG

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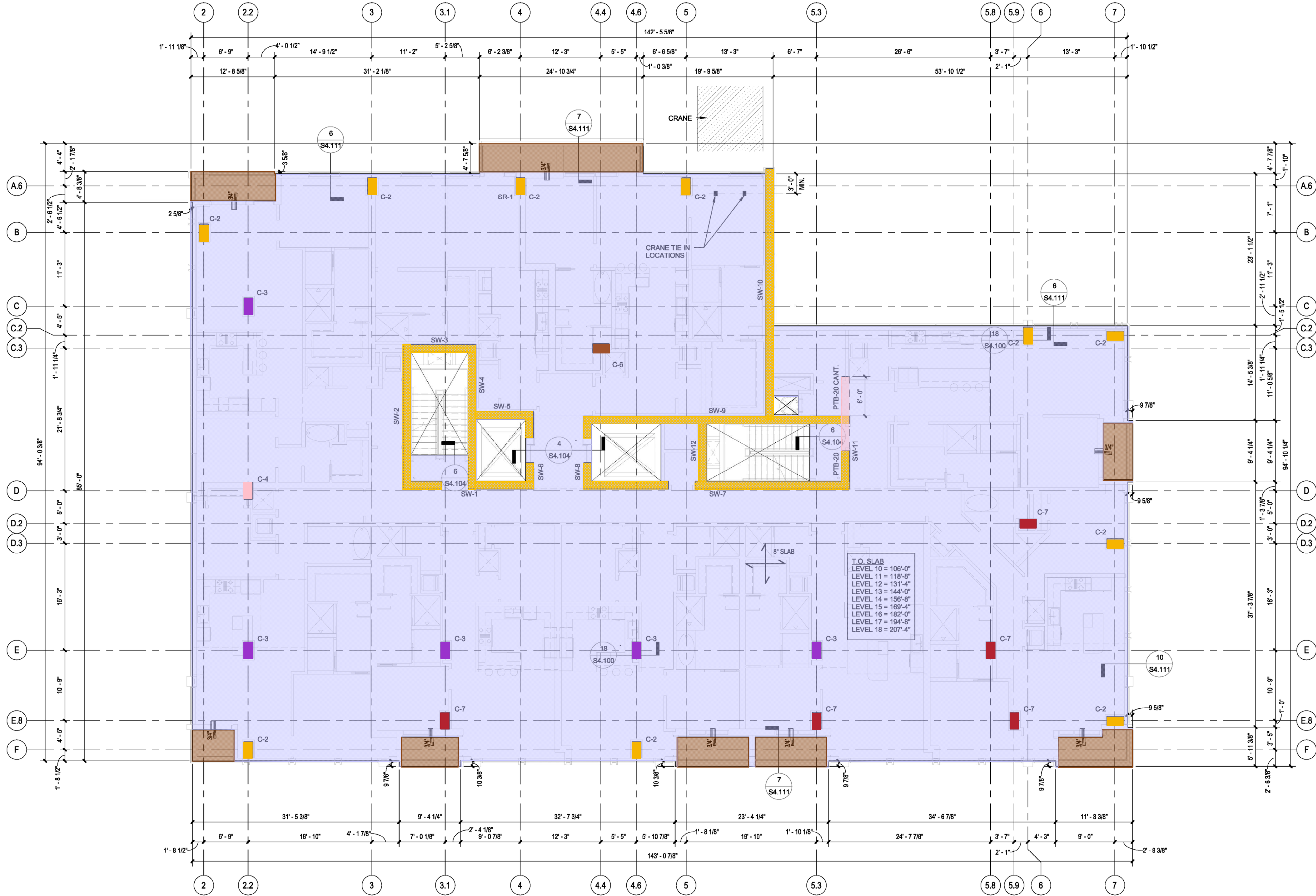
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Forming Plan - Level 10 - 18

SCA Project No: 214192

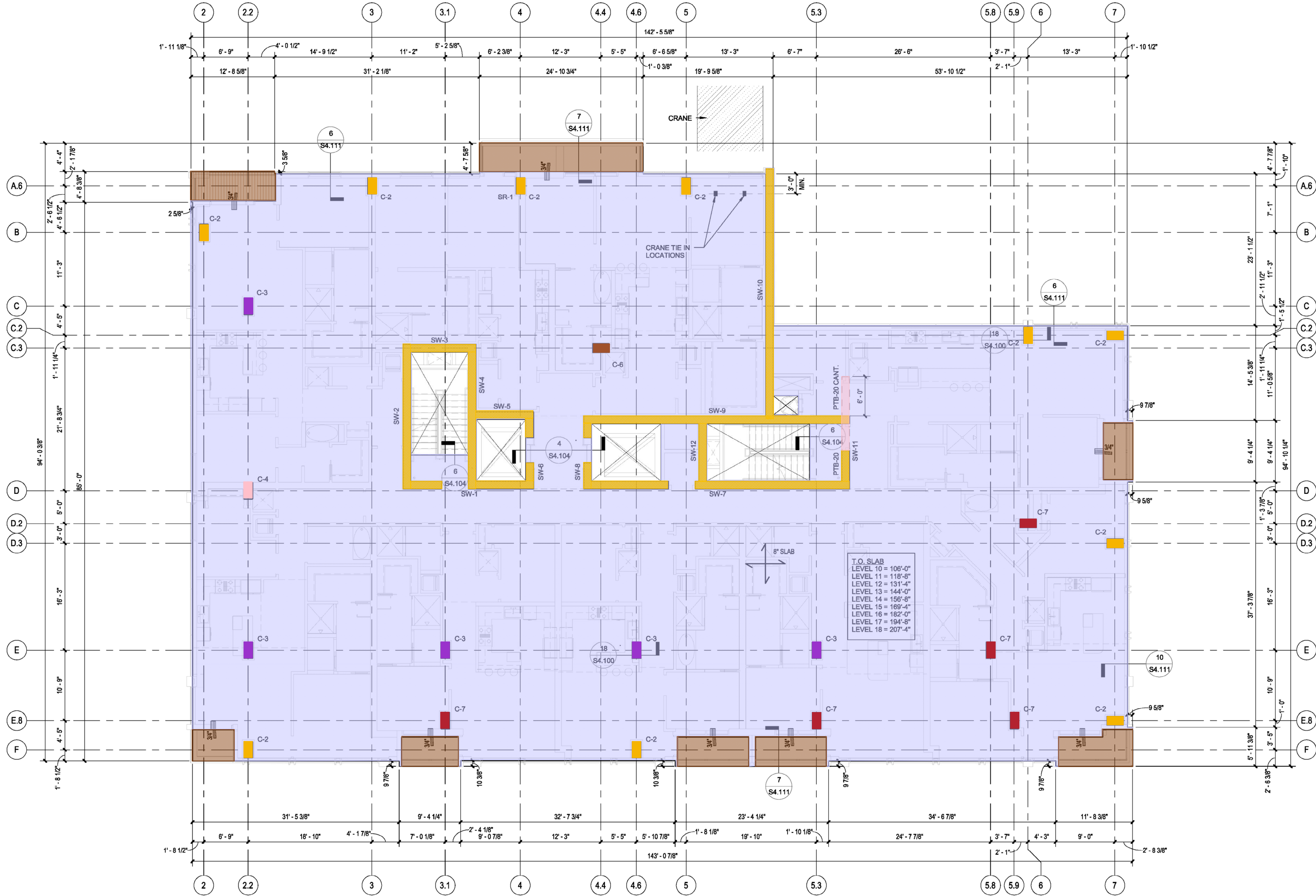
SEAL

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Forming Plan - Level 10 -
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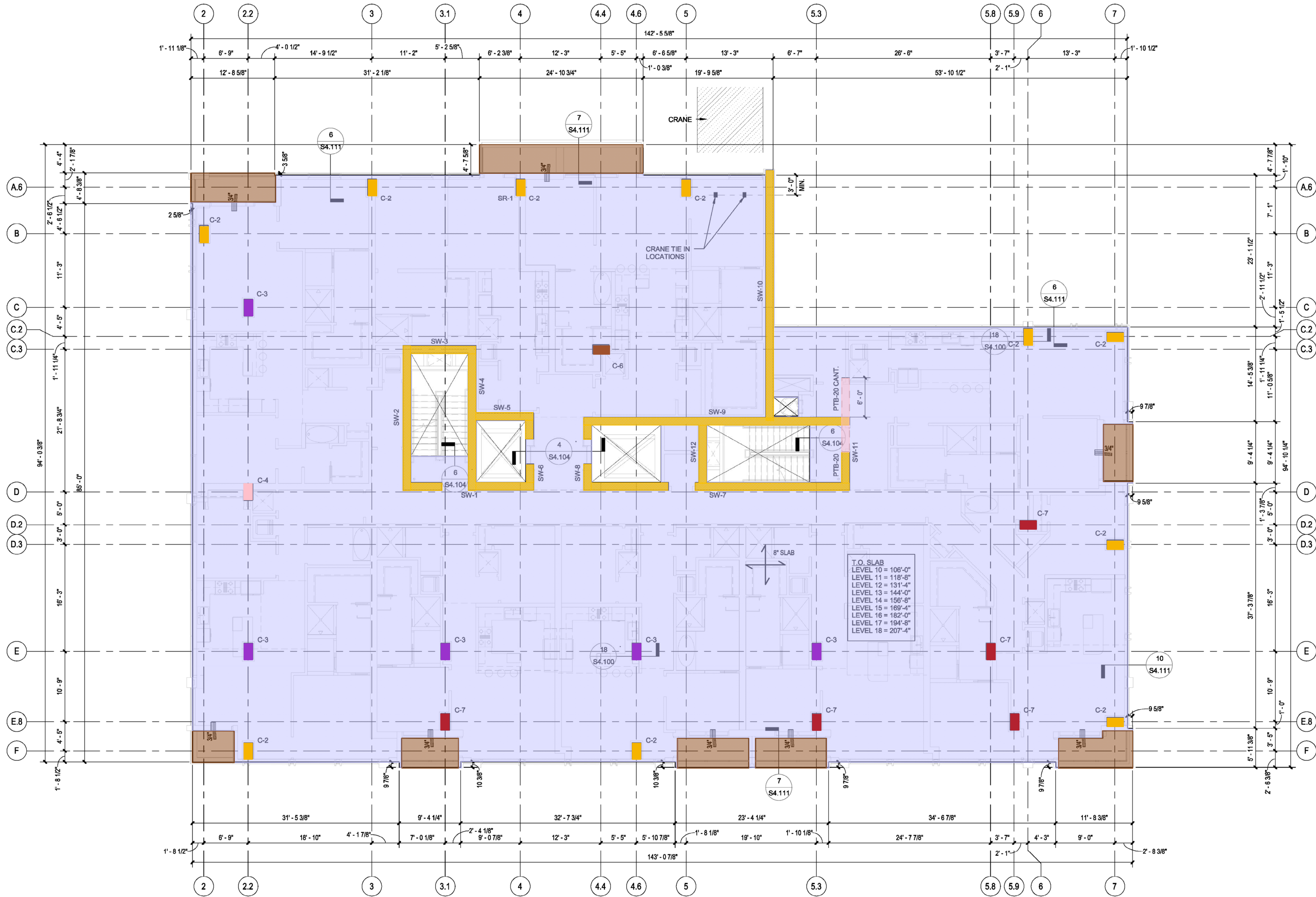
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1/8" = 1'-0"

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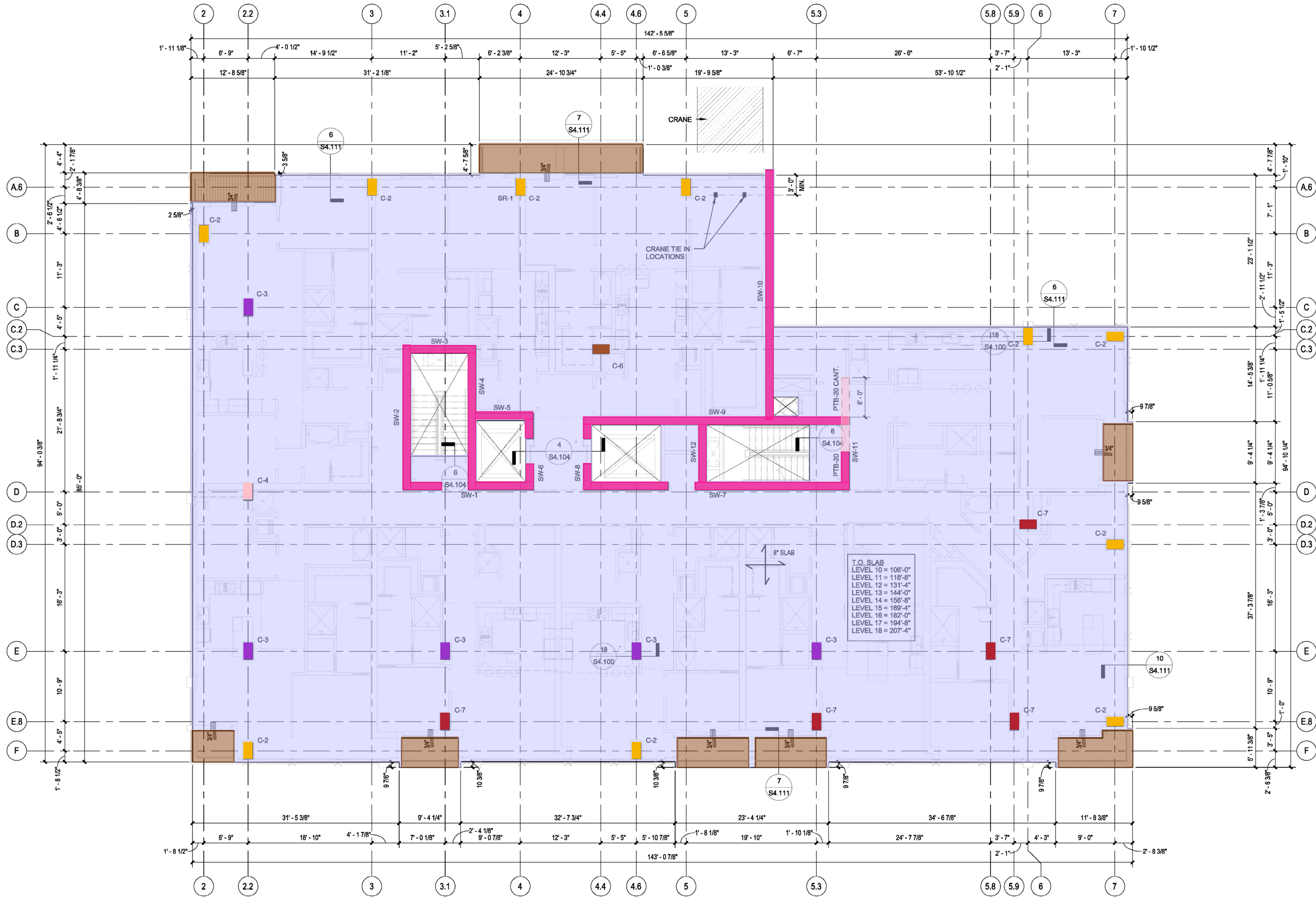
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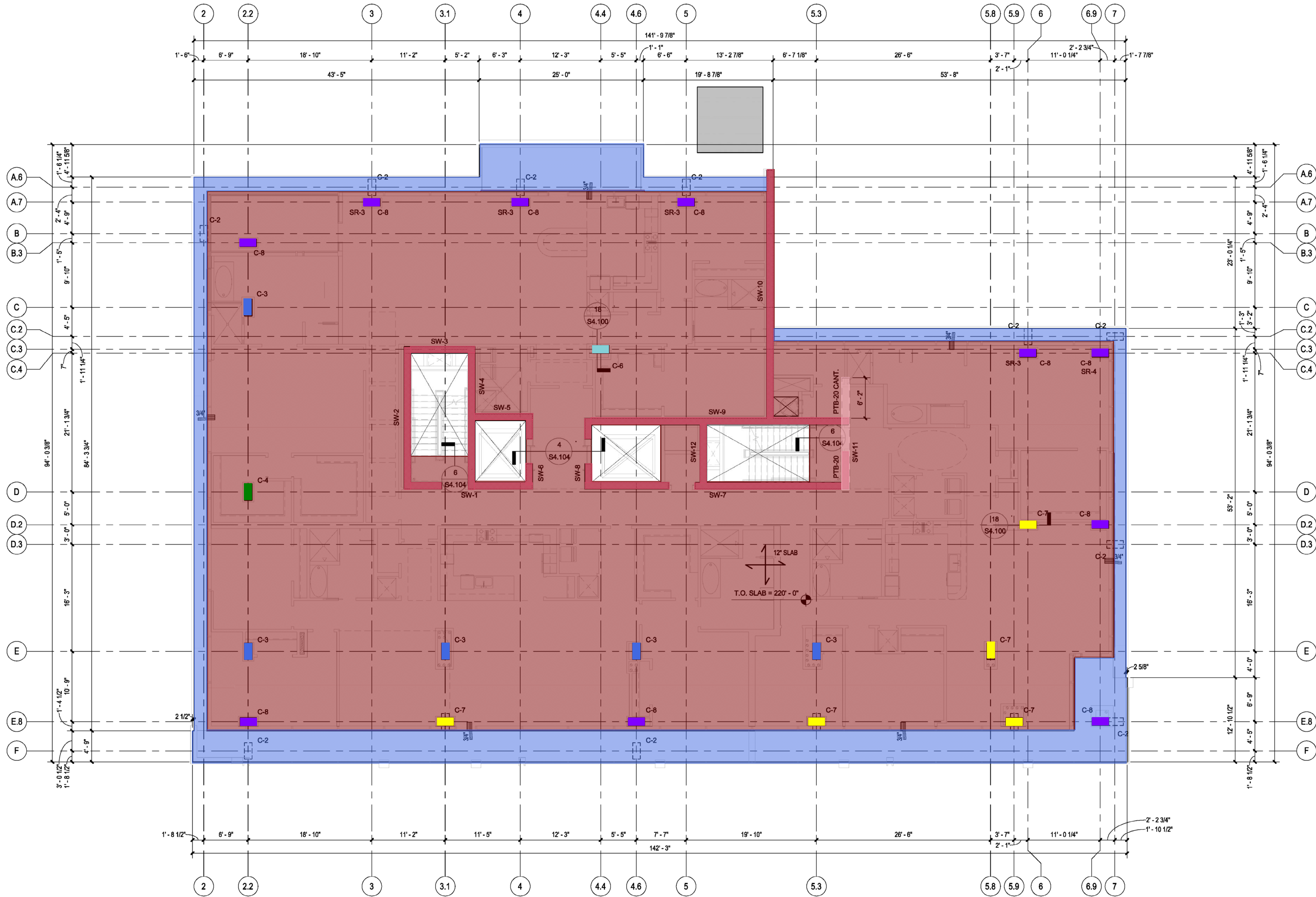
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- C-6 14"x30"x13'8" - 1 CY
- C-4 14"x30"x13'8" - 1 CY
- 11.25" thk Concrete Slab - 51 CY
- SW 14' H x 12" thk - 111 CY
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1 Forming Plan - Level 19
1/8" = 1'-0"

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PROJECT NO: 141216

DRAWN BY: JB

CHECKED BY: LG

SHEET TITLE

Forming Plan - Level 19

SCA Project No: 214192

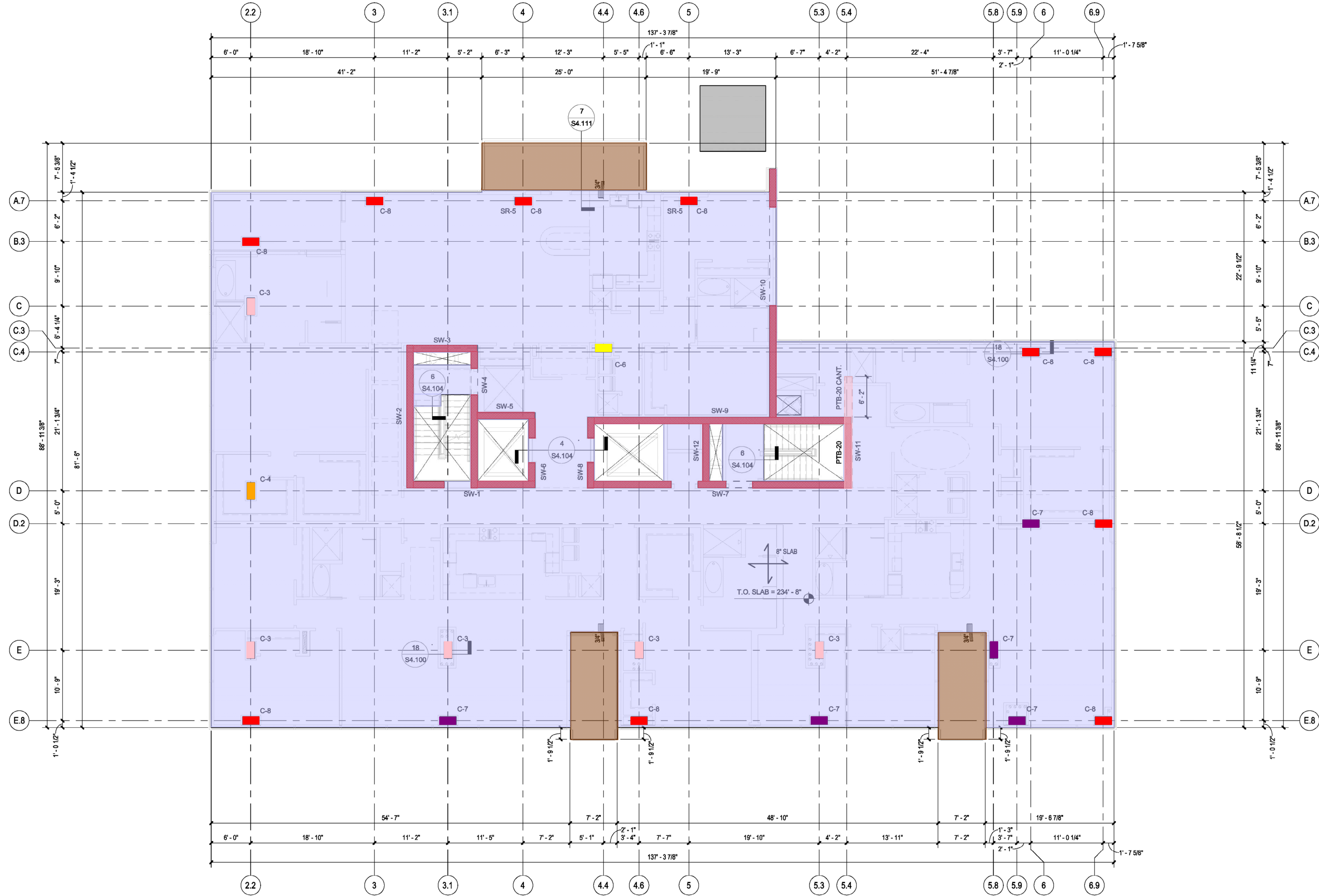
SEAL

SHEET NUMBER



S2.110

- 8" thk Concrete Slab - 232 CY
- C-8 14"x30"x14' - 15 CY
- C-3 14"x30"x14' - 8 CY
- C-7 14"x30"x14' - 8 CY
- C-6 14"x30"x14' - 2 CY
- C-4 14"x30"x14' - 2 CY
- 6'6" thk Concrete Slab - 101 CY
- SW 14' H x 12" thk - 101 CY
- PTB-20 14"x32" - 53 CF



1 Forming Plan - Level 20
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
- 7) RCB-"X" INDICATES C.I.P. CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE.

- 8) SR-"X" INDICATES STUD RAIL. SEE SHEET S4.103 FOR SCHEDULE & DETAILS.
- 9) [X-X] = INDICATES ELEVATION RELATIVE TO FINISH FLOOR ELEVATION.
- 10) [Hatched Box] = CMU WALLS
- 11) [Hatched Box] = CMU WALLS ABOVE 2'-0" TALL BUMPER WALL
- 12) [Hatched Box] = INTERIOR CMU WALLS, ALL CELLS FIRST 4 COURSES REINF. W/ #5 AT 8" O.C. VERT. AND FILLED W/ 2,500 PSI GROUT.
- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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PROJECT TITLE

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HOUSTON, TEXAS 77002

A PROJECT FOR
RANDALL DAVIS COMPANY
+ DC PARTNERS



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GENERAL NOTES

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Forming Plan - Level 20

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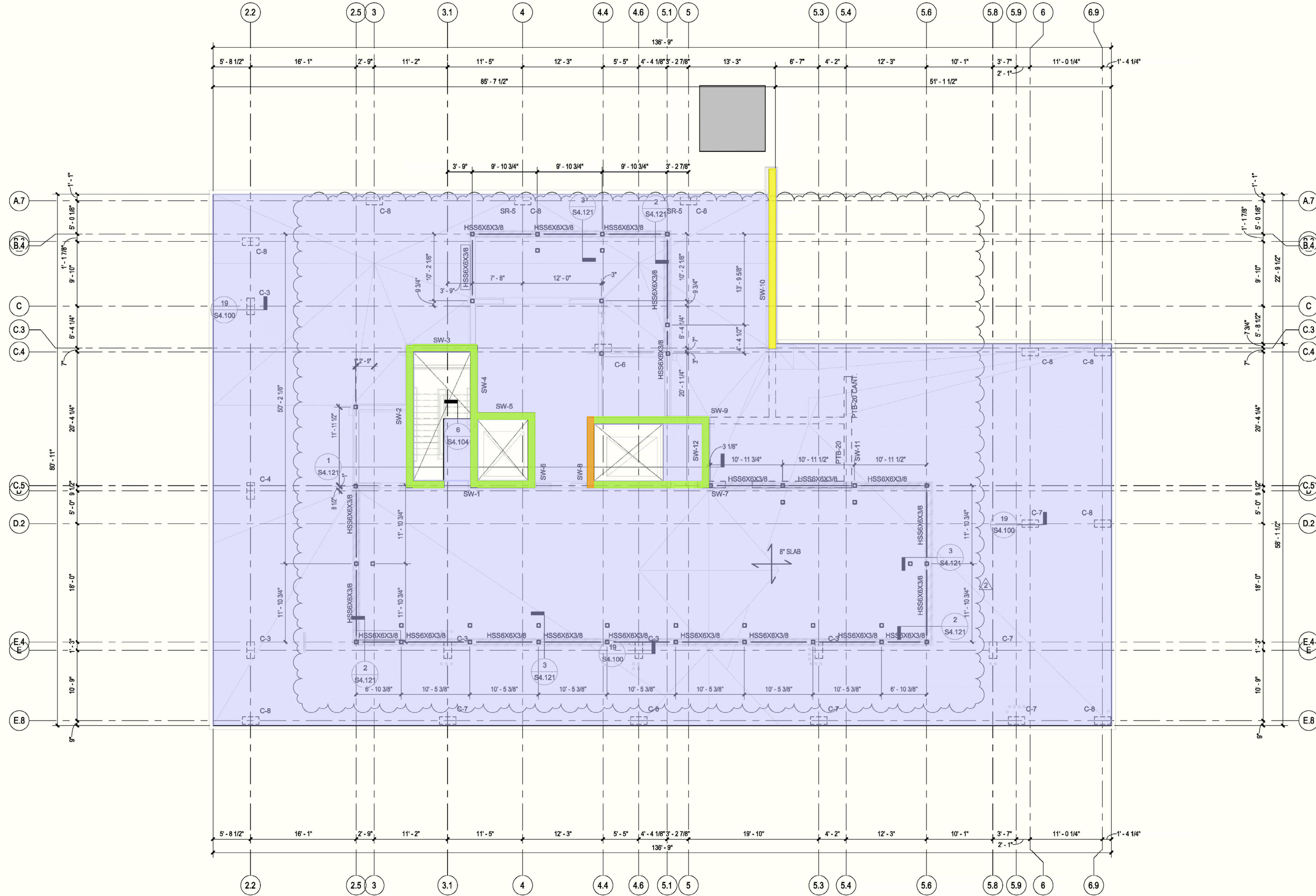
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SHEET NUMBER



S2.111

8" thk Concrete Slab - 237 CY
SW 10' H x 12" thk - 47 CY
SW 5' H x 12" thk - 5 CY
SW 12'6" H x 12" thk - 5 CY



1 Forming Plan - Level 21
1/8" = 1'-0"

FORMING NOTES:

- 1) TOP OF CONCRETE ELEVATION = SEE PLAN
- 2) SLAB THICKNESS = 8" U.N.O.
- 3) CONCRETE STRENGTH = 5,000 PSI
- 4) C-"X" INDICATES C.I.P. CONCRETE COLUMN. SEE SHEET S5.100 FOR SCHEDULE.
- 5) SW-"X" INDICATES CIP CONCRETE SHEAR WALL. SEE SHEETS S5.200 - S5.212 FOR DETAILS AND ELEVATIONS
- 6) PTB-"X" INDICATES C.I.P. POST-TENSIONED CONCRETE BEAM. SEE SHEET S5.310 FOR SCHEDULE
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- 13) RE: ARCH. FOR FINAL SLAB EDGE DIMENSIONS

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Forming Plan - Level 21

SCA Project No: 214192

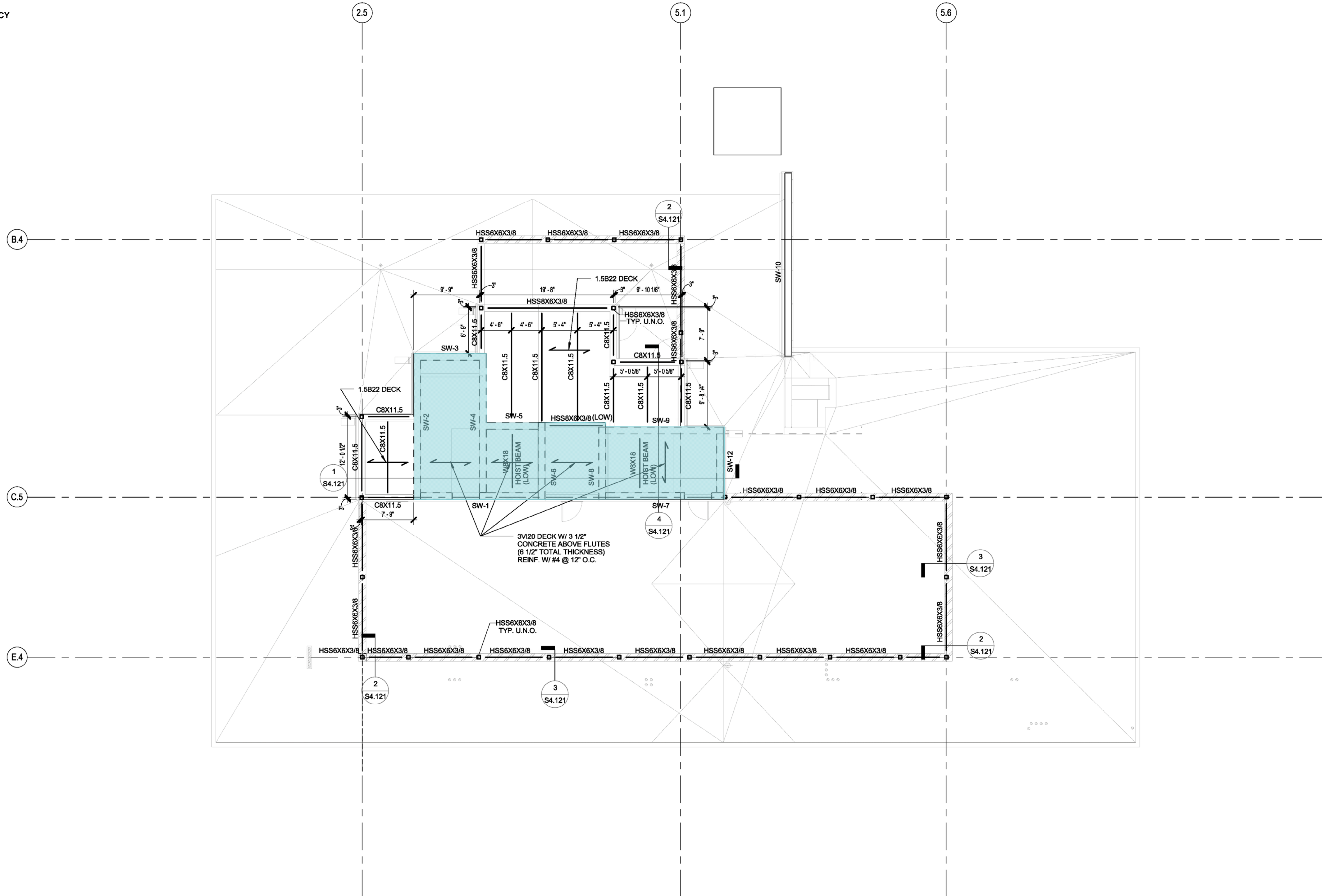
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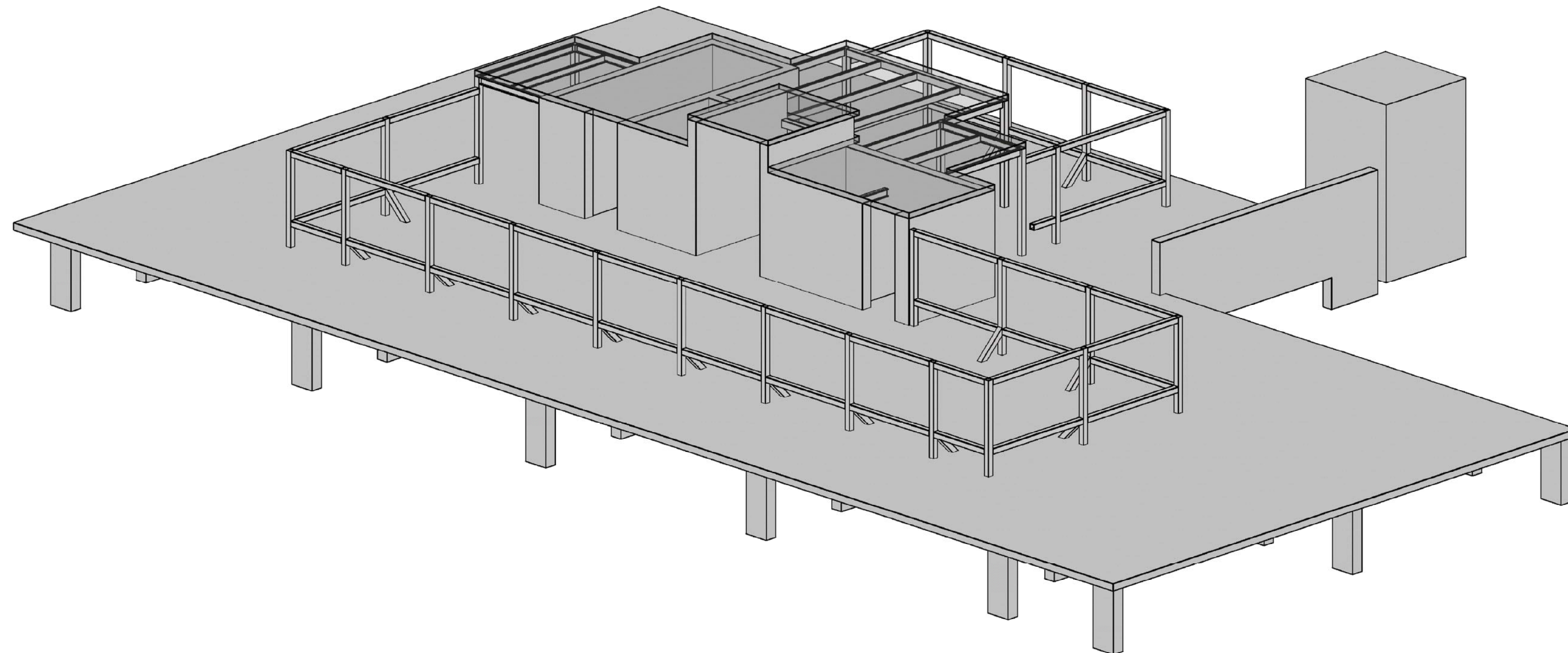


S2.112

3 1/2" thk Concrete Slab - 7 CY



1 Framing Plan - High Roof
1/8" = 1'-0"



2 3D Roof View

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SHEET TITLE

Framing Plan - Roof Level

SCA Project No: 214192

SEAL

SHEET NUMBER



S2.113