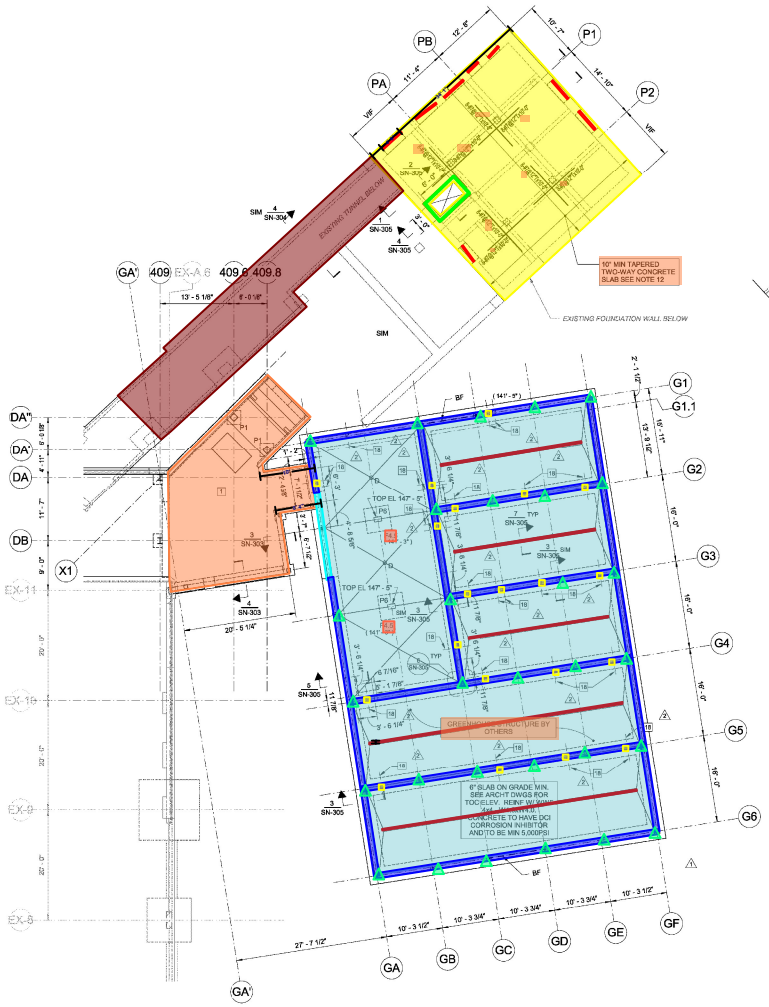
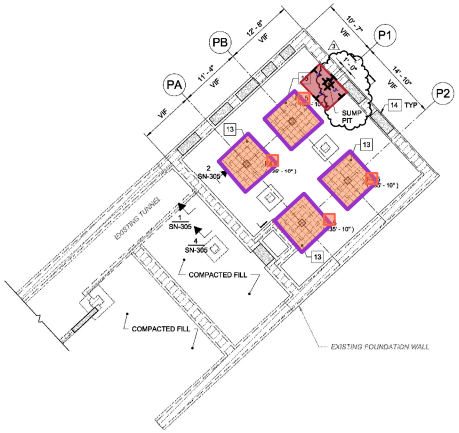
31 - P4.5 - 8 EA
99 - 5" SOG - 910 SF
101 - 12" ELEVATED SLAB - 1,207 SF
106 - DRILLED AT TUNNEL - 121 LF
118 - CONC. CURB - 23 LF
119 - 8" SOG OVER TUNNEL - 851 SF
121 - INFILL - 31 LF
127 - GREENHOUSE - 5/S305 - 461 LF
128 - GREENHOUSE - 5/S305 - 16 LF
129 - GREENHOUSE PIERS - 6/SN305 - 30 EA
130 - GREENHOUSE - 6" SOG - 4,026 SF
134 - GREENHOUSE - TRENCH - 171 LF
141 - GREENHOUSE - OPENINGS - 20 EA
142 - 5" SOG - 35 SF

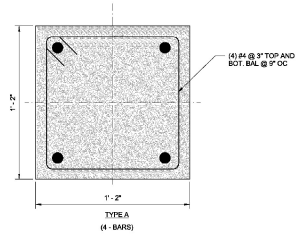


POTTING ROOM FOUDATION PART PLAN



POTTING ROOM ROOF 146' - 9 3/8"						POTTING ROOM ROOF 146' - 9 3/8"
POTTING ROOM 139' - 1"						POTTING ROOM 139' - 1"
SIZE (WxL)	14 x 14	14 x 14	14 x 14	14 x 14	SIZE (WxL)	
TYPE	TYPE A	TYPE A	TYPE A	TYPE A	TYPE	
REINF.	4 -#8	4 -#8	4 -#8	4 -#8	REINF.	
f'c	5 KSI	5 KSI	5 KSI	5 KSI	f'c	
Column Locations	CC-303	P1-PA	P1-PB	P2-PA	P2-PB	

TUNNEL EXTENSION COLUMN SCHEDULE



NOTES (GENERAL):

G1. FOR GENERAL NOTES AND ABBREVIATIONS, SEE DRAWINGS SN-0.00 THRU SN-0.01. FOR TYPICAL DETAILS, SEE DRAWINGS SN-0.02 THRU SN-0.10.
G2. FOR COLUMN SCHEDULE AND DETAILS SEE DRAWING SN-2.00 THRU SN-2.02.
G3. INDICATES SPAN DIRECTION OF STEEL DECK.
G5. BF-10 , ETC. INDICATES BRACING. SEE ELEVATIONS ON DRAWINGS SN-2.10 THRU SN-2.15.
G6. FOR BEAM EXPLANATION DIAGRAM SEE DETAIL 1 ON DRAWING SN-0.06.
G7. INDICATES STRUCTURAL STEEL COLUMN.
INDICATES STRUCTURAL STEEL COLUMN STARTS.
INDICATES STRUCTURAL STEEL COLUMN STOPS.
G8. INDICATES MOMENT CONNECTION. SEE DETAIL 3 ON DRAWING SN-0.06
INDICATES MOMENT FRAME CONNECTION. SEE DETAIL 2 ON DRAWING SN-0.06.
INDICATES TORSION CONNECTION. SEE DETAIL 7 ON DRAWING SN-0.06.
B INDICATES TORSION CONNECTION AT BOTTOM FLANGE ONLY.
INDICATES DIAGONAL KICKER BRACE
INDICATES OPENING IN WEB OF BEAM. SEE DETAILS 3 AND 4 ON DRAWING SN-0.07.
SP INDICATES SHEAR PLATE CONNECTION. SEE DETAIL 9 ON DRAWING SN-0.06.
G9. SLOPED INDICATES DIRECTION OF FRAMING SLOPING DOWNWARD.
G10. BEAMS SHALL BE EQUALLY SPACED ALONG THEIR SUPPORTING GIRDERS. UNO.
G11. FOR DIMENSIONS TO STAIRS FRAMING AND ELEVATORS, SEE ARCHITECTURAL DWGS.
G12. GRID DIMENSIONS ARE TAKEN FROM ARCHITECTURAL CADD FILES. ALL GRID DIMENSIONS SHALL BE VERIFIED.
G13. INDICATES SLAB DEPRESSION. SEE TYPICAL DETAILS FOR SLAB REINF. AND OVERFOURS AS REQUIRED. SEE ARCH DWGS FOR LOCATION.
INDICATES SLAB OVERPOUR. OVERPOUR TO BE POURED WITH STRUCTURAL SLAB.
INDICATES MEP EQPT. SEE MEP AND ARCH DRAWINGS FOR LOCATION AND LAYOUT.
INDICATES CONCRETE CURB. SEE TYPICAL DETAILS FOR REINFORCING. SEE MEP AND ARCH DRAWINGS FOR LOCATION AND LAYOUT.
INDICATES GREEN ROOF NOT TO EXCEED 15" OF SOIL. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION.
INDICATES GREEN ROOF NOT TO EXCEED 8" OF SOIL. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION.
INDICATES MASONRY WALLS. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION AND LOCATION.
G14. R_{LAT} INDICATES VERTICAL REACTION TO BE ADDED TO REACTION SHOWN ON PLAN.
G15. H = 20k , ETC. INDICATES THE ASD HORIZONTAL THROUGH FORCE TO BE USED FOR BEAM / COLUMN CONNECTION DESIGN. THESE FORCES SHALL BE APPLIED IN TENSION AND COMPRESSION AND IN ADDITION TO BEAM VERTICAL REACTIONS.
G16. T.O.P. (XX'-XX") INDICATES TOP OF PIER ELEVATION
G17. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ARCHITECTURALLY EXPOSED CONCRETE.

NOTES (LEVEL ONE):

1. 6" SLAB ON GRADE REINF W/ WWF 4x4 - W4.0xW4.0 TYP UNO. TOC EL 146'-9" UNLESS NOTED OTHERWISE ON PLAN.
2. TOP OF PIER ELEVATION TO BE 1'-0" BELOW TOP OF SLAB, TYP UNO.
3. ELEVATOR GUIDE RAILS TO SPAN BETWEEN FLOORS. ELEVATOR CONSULTANT TO PROVIDE CONNECTION FROM RAIL BACK TO PRIMARY STRUCTURE.
4. 8" SLAB, REINF W/ #5@9" OC T&B EACH WAY.
5. OUTSIDE OF NEW BLDG FOOTPRINT. PROVIDE NEW SLAB OVER EXISTING UTILITY TUNNEL PER DETAIL ON SN-304. SOIL ABOVE NEW SLAB NOT TO EXCEED 28".
6. REMOVE AND REPLACE 3" TOPPING SLAB OVER TUNNEL. PROVIDE CONSTRUCTION JOINTS AT ALL TUNNEL WALLS. SEE SECTIONS AND DETAILS ON SN-304.
7. PROVIDE 1 OUTWARDS IT INSULATION OVER SLOPED TUNNEL BELOW TOPPING SLAB. SEE SECTIONS AND DETAILS ON SN-304.
8. REMOVE AND REPLACE EXISTING SOG. SEE ARCH FOR NEW TOC. NEW SLAB ON GRADE TO BE 6" CONCRETE REINF W/ WWF 4x4-W4.0xW4.0.
9. ALL EXISTING BOTTOM OF FOOTING ELEVATIONS NOTED ON DRAWINGS ARE TAKEN FROM AVAILABLE STRUCTURAL DRAWINGS. ALL ELEVATIONS ARE TO BE VERIFIED IN FIELD PRIOR TO START OF CONSTRUCTION. ALLOWANCES FOR UNDERPINNING OF EXISTING FOUNDATIONS OR DROPPING OF NEW FOOTINGS LOCALLY TO ACCOUNT FOR DIFFERENCES BETWEEN DRAWINGS AND FIELD CONDITIONS SHOULD BE CARRIED BY THE CONTRACTOR.
10. LOCALLY DEMO TUNNEL TO ALLOW FOR NEW COLUMN, PIER, AND FOOTING.
11. ATTACH STAIR STRINGER DIRECTLY TO STEEL BEAM. TYP ALL STAIRS AND FLOORS.
12. 10" TWO-WAY CONCRETE SLAB REINFORCE WITH #7 @ 12" OC TOP AND BOTTOM EACH WAY PLUS ADDITIONAL REINFORCEMENT WHERE SHOWN ON PLAN. LOCATE NORTH - SOUTH TOP AND BOTTOM REINF IN OUTER LAYERS. SLAB CONCRETE STRENGTH TO HAVE f'c=5ksi.
13. 6" SLAB ON GRADE AS REQUIRED FOR INSTALATION OF NEW FOOTINGS, REINFORCE W/ WWF 4x4 - W4.0 x W4.0 TYP UNO.
14. INFILL EXISTING WALL OPENINGS. VERIFY LOCATIONS AND EXTENTS IN THE FIELD. SEE SECTION FOR ADDITIONAL INFORMATION.
15. $^{\circ}D$ INDICATES FLOOR DRAIN.
16. 12"x12" CONCRETE BEAM. REINFORCE WITH 3-#5 T&B AND #3@6" OC STIRRUPS.
17. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF LIGHT FIXTURES TO BE CAST INTO EXTERIOR WALLS.
18. PIPE SLEEVE PENETRATION. COORDINATE SIZE AND LOCATION WITH MEP REQUIREMENTS. SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCING REQUIREMENTS.

FOOTING SCHEDULE
ALLOWABLE BEARING 6 KSF

MARK	SIZE (WxL)	DEPTH	REINFORCEMENT (BOT EA WAY, UNO)
F4	4' - 0" x 4' - 0"	1' - 6"	5 - #5
F4.5	4' - 6" x 4' - 6"	1' - 6"	7 - #5
F5	5' - 0" x 5' - 0"	1' - 6"	7 - #5
F6	6' - 0" x 6' - 0"	1' - 10"	7 - #8
F6A	6' - 0" x 6' - 0"	2' - 0"	7 - #6
F7	7' - 0" x 7' - 0"	2' - 0"	10 - #6
F7.5	7' - 6" x 7' - 6"	2' - 2"	7 - #7
F8	8' - 0" x 8' - 0"	2' - 4"	9 - #7
F8A	8' - 0" x 8' - 0"	3' - 0"	9 - #7
F8x5	8' - 0" x 5' - 0"	2' - 0"	10 - #6 B TRANS 7 - #6 B LONG
F9	9' - 0" x 9' - 0"	2' - 8"	12 - #7
F9A	9' - 0" x 9' - 0"	3' - 0"	12 - #7
F10	10' - 0" x 10' - 0"	2' - 10"	11 - #8
F10x5	10' - 0" x 5' - 0"	2' - 0"	11 - #8 B TRANS 10 - #6 B LONG
F10.5x5	10' - 6" x 5' - 0"	1' - 9"	14 - #8 B TRANS 6 - #6 B LONG
F11	11' - 0" x 11' - 0"	3' - 0"	14 - #8
F12	12' - 0" x 12' - 0"	3' - 3"	13 - #9
F13x6	13' - 0" x 6' - 0"	2' - 0"	14 - #9 T&B TRANS 8 - #6 T&B LONG
F16x6	16' - 0" x 6' - 0"	3' - 0"	16 - #9 T&B TRANS 12 - #9 T&B LONG
F16x6b	16' - 0" x 6' - 0"	2' - 0"	16 - #9 T&B TRANS 12 - #9 T&B LONG
F18x7	18' - 0" x 7' - 0"	3' - 0"	18 - #8 T&B TRANS 12 - #8 T&B LONG
F10x8	10' - 0" x 8' - 0"	2' - 6"	11 - #8 T&B TRANS 9 - #8 T&B LONG

FOOTING NOTES:

F1. FOOTINGS SHALL BE CENTERED UNDER SUPPORTED MEMBERS AND(OR) GRIDS EXCEPT WHERE OTHERWISE DIMENSIONED OR NOTED ON PLAN.
F2. ALL FOOTING REINFORCEMENT SHALL BE HOOKED BOTH ENDS.

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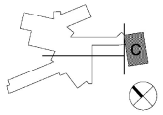
KEYPLAN



SEAL

NO.	DATE	DESCRIPTION
3	20 May 2019	SCN Bulletin #2
2	2 May 2019	SCN Bulletin #1
	22 February 2019	Issued For Permit
1	15 February 2019	Addendum #1
	17 December 2018	Issued For Construction Documents
	22 June 2018	Issue For Design Development
	3 November 2017	Issue For Schematic Design