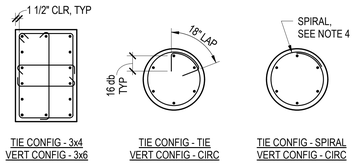
| CONCRETE COLUMN TYPE SCHEDULE | | | | | | | |
|---|---|---|---|---|---|---|---|
| TYPE | LONGIT Fy | TRANSV Fy | VERT REINF | TIE CONFIG | VERT CONFIG | LOC 1 TIES | LOC 2 TIES |
| 1 | 60 | 80 | (12) #9 | 3x5 (s) | 3x5 | #4 @ 4 1/2" | #5 @ 4" |
| 2 | 60 | 80 | (16) #8 | 5x5 | 5x5 | #4 @ 6" | #5 @ 5 1/2" |
| 3 | 60 | 80 | (8) #8 | 3x3 | 3x3 | #4 @ 5 1/2" | #5 @ 4 1/2" |
| 4 | 60 | 80 | (12) #7 | 3x5 (s) | 3x5 | #4 @ 4 1/2" | #5 @ 4 1/2" |
| 5 | 60 | 80 | (10) #7 | 3x4 | 3x4 | #4 @ 4 1/2" | #5 @ 4 1/2" |
| 6 | 60 | 80 | (12) #7 | 4x4 (s) | 4x4 | #4 @ 5" | #5 @ 5" |
| 7 | 60 | 80 | (14) #9 | 3x6 (s) | 3x6 | #4 @ 5" | #5 @ 5" |
| 8 | 60 | 80 | (12) #7 | 2x6 (s) | 2x6 | #4 @ 3" | #5 @ 3" |
| 10 | 60 | 80 | (14) #9 | 4x5 | 4x5 | #4 @ 5 1/2" | #5 @ 5 1/2" |
| 11 | 60 | 80 | (14) #10 | 3x6 (s) | 3x6 | #4 @ 4 1/2" | #5 @ 4" |
| 12 | 60 | 80 | (16) #8 | 2x8 (s) | 2x8 | #4 @ 3" | #5 @ 3" |
| 13 | 60 | 80 | (20) #8 | 5x7 | 5x7 | #4 @ 6" | #5 @ 6" |
| 14 | 60 | 80 | (14) #11 | 3x6 (s) | 3x6 | #4 @ 4 1/2" | #5 @ 4" |
| 15 | 60 | 80 | (10) #8 | 3x4 | 3x4 | #4 @ 5" | #5 @ 5" |
| 16 | 60 | 80 | (18) #9 | 2x9 (s) | 2x9 | #4 @ 3" | #5 @ 3" |
| 17 | 60 | 80 | (16) #10 | 5x5 | 5x5 | #4 @ 5 1/2" | #5 @ 5 1/2" |

NOTES:

1. TYPICAL CROSSTIES SHALL HAVE A 135 DEGREE HOOK AT ONE END AND A 90 DEGREE HOOK AT THE OTHER END UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, 135 DEGREE HOOKS MAY BE REPLACED WITH 180 DEGREE HOOKS AND 90 DEGREE HOOKS MAY BE REPLACED WITH 135 OR 180 DEGREE HOOKS.
2. CROSSTIES WITH 90 DEGREE HOOKS SHALL HAVE THE CONSECUTIVE CROSSTIES ALTERNATED END FOR END ALONG THE LONGITUDINAL REINFORCEMENT.
3. CIRCULAR TIES SHALL ALTERNATE POSITION OF LAPS 180 DEGREES EVERY OTHER HOOP.
4. REFER TO "TYPICAL CONCRETE COLUMN SPIRAL REINFORCING" FOR ADDITIONAL DETAILING REQUIRMENTS.




SAMPLE CONFIGURATIONS

TIE CONFIGURATION KEY:

3x4(s)
- 135° HOOK REQD AT EA END OF CROSSTIES, WHERE OCCURS
- LONG SIDE TIE COUNT
- SHORT SIDE TIE COUNT

VERTICAL REINF CONFIGURATION KEY:

3x4
- LONG SIDE VERTICAL BAR COUNT
- SHORT SIDE VERTICAL BAR COUNT

## 1 CONCRETE COLUMN TYPES

CONCRETE COLUMN SCHEDULE KEY:

24"x24" [1]
- COLUMN TYPE
- COLUMN SIZE

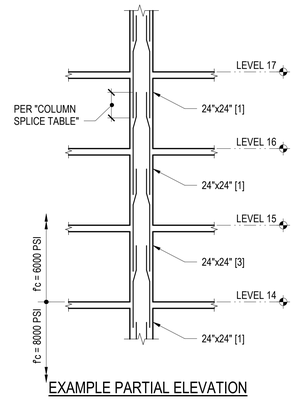
NOTES:

1. SEE THE FOLLOWING ACCOMPANYING DETAILS:
   - "TYPICAL CONCRETE COLUMN"
   - "TYPICAL CONCRETE COLUMN BASE DOWELS"
   - "CONCRETE COLUMN TYPES"
2. VERTICAL REINFORCEMENT SPLICE LENGTHS ARE PER THE "TYPICAL COLUMN SPLICE TABLE" .

COLUMN SIZE, TYPE & SPLICE LENGTH

| CONCRETE COLUMN SCHEDULE | | | |
|---|---|---|---|
| | COLUMN MARK | C1 | C2 |
| f'c = 6,000 PSI | LEVEL 20 | | |
| | LEVEL 19 | | |
| | LEVEL 18 | | |
| | LEVEL 17 | | 24"x24" [1] |
| | LEVEL 16 | 24"x24" [1] | |
| | LEVEL 15 | 24"x24" [3] | |
| f'c = 8,000 PSI | LEVEL 14 | | |
| | LEVEL 13 | | |
| | LEVEL 12 | 24"x24" [1] | |
| | LEVEL 11 | | |
| | LEVEL 10 | | |
| | LEVEL 9 | | |
| | LEVEL 8 | 24"x30" [1] | 30"x30" [2] |

EXAMPLE PARTIAL CONCRETE COLUMN SCHEDULE




EXAMPLE PARTIAL ELEVATION

## 3 CONCRETE COLUMN SCHEDULE NOTES AND SAMPLE COLUMN SPECIFICATIONS

| TOWER A CONCRETE COLUMN SCHEDULE | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COLUMN MARK | AC1 | AC2 | AC3 | AC4 | AC5 | AC6 | AC7 | AC8 | AC9 | AC10 | AC11 | AC12 | AC13 | AC14 | AC15 | AC16 | AC17 | AC18 | AC19 | AC20 |
| f'c = 6,000 PSI | LEVEL 6 | | 18"x32" [1] | | | | | | | | | | | | | | | | | | |
| | LEVEL 5 | | | | | | | | 18"x32" [4] | 18"x32" [1] | | | | | | | | | | | |
| | LEVEL 4 | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 3 | | | 18"x32" [4] | | 18"x32" [5] | 24"x24" [3] | 24"x24" [3] | | | 18"x32" [5] | | | | | | | | 24"x24" [3] | | |
| | LEVEL 2 | 24"x24" [3] | 18"x32" [5] | 32"x32" [2] | | 32"x32" [2] | 24"x54" [7] | 24"x32" [15] | | | | | 18"x32" [5] | | | | 24"x24" [3] | | 24"x32" [3] | 24"x24" [3] | |
| | LEVEL 1 | | | | | | | | 18"x32" [5] | | | 24"x24" [3] | 18"x32" [5] | | 18"x32" [5] | 24"x24" [3] | | 12"x60" [8] | | | 18"x32" [5] |
| | LEVEL P2 | 24"x24" [6] | 18"x32" [4] | 18"x32" [1] | 12"x60" [8] | 18"x32" [4] | 24"x24" [6] | 24"x24" [6] | | 18"x32" [5] | | 24"x24" [6] | 18"x32" [4] | 24"x24" [3] | | | | | 24"x24" [6] | 24"x24" [6] | |
| | FOUNDATION | | | | | | | | | | | | | | | | | | | | |

6

## 6 TOWER A CONCRETE COLUMN SCHEDULE

| TOWER B CONCRETE COLUMN SCHEDULE | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COLUMN MARK | BC1 | BC2 | BC3 | BC4 | BC5 | BC6 | BC7 | BC8 | BC9 | BC10 | BC11 | BC12 | BC13 | BC14 | BC15 | BC16 | BC17 | BC18 | BC19 | BC20 | BC21 |
| f'c = 6,000 PSI | LEVEL 7 | | | | | 18"x32" [1] | | | | | | | | | | | | | | | | |
| | LEVEL 6 | | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 5 | | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 4 | | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 3 | | 18"x32" [5] | 18"x32" [5] | 24"x24" [3] | | 24"x24" [3] | | 24"x24" [3] | | 18"x32" [5] | 18"x32" [5] | 18"x32" [5] | 18"x32" [5] | 18"x32" [5] | | | | | | | |
| | LEVEL 2 | | 32"x32" [2] | | | 18"x32" [5] | 24"x54" [7] | | 41"x41" [17] | | 41"x41" [17] | 18"x32" [4] | 32"x32" [2] | 32"x32" [2] | 32"x32" [2] | | | | | | 24"x24" [3] | |
| | LEVEL 1 | 18"x32" [5] | | 32"x37" [10] | | | | | | 18"x32" [5] | | | | | | | | | | | | 18"x32" [5] |
| | LEVEL P1 | 18"x32" [4] | | 18"x32" [4] | 24"x24" [6] | 18"x32" [4] | 24"x24" [6] | | 24"x24" [6] | | | | 12"x60" [12] | 12"x60" [12] | 12"x60" [16] | 12"x60" [8] | 18"x32" [5] | 24"x24" [3] | 24"x24" [6] | 18"x32" [5] | | |
| | LEVEL P2 | | 18"x32" [4] | | | | | 12"x60" [8] | | 18"x32" [4] | 18"x32" [4] | | | | | | | | | | | |
| | FOUNDATION | | | | | | | | | | | | | | | | | | | | | |

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## 11 TOWER B CONCRETE COLUMN SCHEDULE

| TOWER C CONCRETE COLUMN SCHEDULE | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | COLUMN MARK | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC10 | CC11 | CC12 | CC13 |
| f'c = 6,000 PSI | LEVEL 8 | 18"x32" [11] | | | 18"x32" [11] | | | 18"x32" [11] | | | 18"x32" [14] | | | |
| | LEVEL 7 | | | | | | | | | | | | | |
| | LEVEL 6 | | | | | | | | | | | | | |
| | LEVEL 5 | | | | | | | | | | | | | |
| | LEVEL 4 | | | | | | | 18"x32" [5] | | | | | | |
| | LEVEL 3 | | 12"x48" [12] | | 18"x32" [5] | 12"x48" [12] | | | | | | | 18"x24" [4] | |
| | LEVEL 2 | | 30"x39 1/2" [13] | | 32"x32" [2] | | | | | | | 18"x32" [5] | | |
| | LEVEL 1 | 18"x32" [5] | 18"x32" [4] | 24"x24" [6] | 18"x32" [1] | 18"x36" [4] | 18"x24" [4] | 18"x32" [4] | 18"x32" [5] | 18"x32" [5] | 18"x32" [5] | | | 24"x24" [6] |
| | FOUNDATION | | | | | | | | | | | | | |

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## 16 TOWER C CONCRETE COLUMN SCHEDULE

DAVID C. FIELDS
STATE OF UTAH
12385783-2203
PROFESSIONAL STRUCTURAL ENGINEER

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DEER VALLEY, UTAH


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principal architect
project manager
drawn by
checked by
job no. 20052
date 05/17/2024

revisions:

| no. | date | by |
|---|---|---|
| 6 | 01/17/2025 | ASI-006.1 |
| 3 | 8/19/2024 | ASI-004 |
| 1 | 05/17/2024 | IFC 2 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

COLUMN SCHEDULES

S4.00