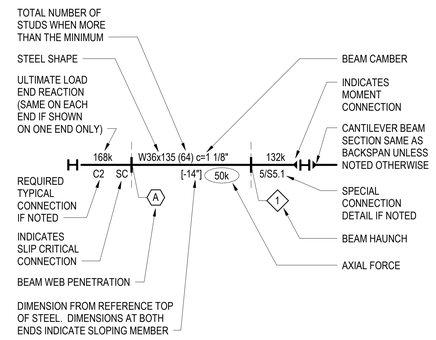
| | | | |
|---|---|---|---|
| & | AND | L | ANGLE |
| @ | AT | LAB | LABORATORY |
| °, DEG | DEGREE | LB, # | POUND |
| ø, DIA | DIAMETER | LF | LINEAL FOOT |
| # | NUMBER, POUND | LIN | LINEAL, LINEAR |
| | | LL | LIVE LOAD |
| AB | ANCHOR BOLT | LLBB | LONG LEGS BACK-TO-BACK |
| ACI | AMERICAN CONCRETE INSTITUTE | LLH | LONG LEG HORIZONTAL |
| ADDL | ADDITIONAL | LLV | LONG LEG VERTICAL |
| ADJ | ADJACENT | LOC | LOCATION; LOCATE |
| AESS | ARCHITECTURAL EXPOSED STRUCTURAL STEEL | LONGIT | LONGITUDINAL |
| | | LP | LOW POINT |
| AGGR | AGGREGATE | LSL | LONG SLOTTED (HOLES) |
| AISC | AMERICAN INSTITUTE OF STEEL CONSTRUCTION | LSW | LIGHT GAGE SHEAR WALL |
| | | LTWT | LIGHTWEIGHT |
| ALT | ALTERNATE | LVL | LEVEL |
| ALUM | ALUMINUM | LWC | LIGHTWEIGHT CONCRETE |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTE | MAS | MASONRY |
| APA | AMERICAN PLYWOOD ASSOCIATION | MATL | MATERIAL |
| APPD | APPROVED | MAX | MAXIMUM |
| APPROX | APPROXIMATE | MB | MACHINE BOLT |
| AR | ANCHOR RODS | MC | MISCELLANEOUS CHANNEL |
| ARCH | ARCHITECTURAL; ARCHITECT | MECH | MECHANICAL |
| ASSY | ASSEMBLY | MEMB | MEMBRANE |
| ASTM | AMERICAN SOCIETY FOR TESTING AND MATERIALS | MEP | MECHANICAL/ ELECTRICAL / PLUMBING |
| AWS | AMERICAN WELDING SOCIETY | MEZZ | MEZZANINE |
| | | MF | MOMENT FRAME |
| BAL | BALANCE | MFB | MOMENT FRAME BEAM |
| BD | BOARD | MFC | MOMENT FRAME COLUMN |
| BF | BRACED FRAME | MFR | MANUFACTURE; MANUFACTURER |
| BLDG | BUILDING | MFRG | MANUFACTURING |
| BLK | BLOCK; BLOCKING | MIN | MINIMUM; MINUTE |
| BM | BEAM | MISC | MISCELLANEOUS |
| BMU | BRICK MASONRY UNIT | ML | MATCH LINE |
| BOS | BOTTOM OF STEEL; BOSOM (WELD) | MO | MASONRY OPENING |
| BOT | BOTTOM | MS | MECHANICAL SPLICE |
| BRCG | BRACING | | |
| BRG | BEARING | N | NORTH |
| BRKT | BRACKET | N-S | NORTH-SOUTH |
| BSMT | BASEMENT | NF | NEAR FACE |
| BTWN | BETWEEN | NIC | NOT IN CONTRACT |
| BU | BUILT-UP | NLT | NAIL LAMINATED TIMBER |
| | | NS | NEAR SIDE |
| c | CAMBER | NTS | NOT TO SCALE |
| C | STANDARD CHANNEL | NWC | NORMALWEIGHT CONCRETE |
| CANT | CANTILEVER | | |
| CC | CENTER TO CENTER | OC | ON CENTER |
| CG | CENTER OF GRAVITY | OD | OUTSIDE DIAMETER |
| CIP | CAST-IN-PLACE | OPNG | OPENING |
| CJ | CONSTRUCTION JOINT | OPP | OPPOSITE (HAND) |
| CJP | COMPLETE JOINT PENETRATION WELD | OPT | OPTION; OPTIONAL |
| CL | CENTERLINE | OVS | OVERSIZED (HOLES) |
| CLR | CLEARANCE; CLEAR | OWJ | OPEN WEB JOIST |
| CLT | CROSS LAMINATED TIMBER | | |
| CMU | CONCRETE MASONRY UNIT | P | PIPE |
| COL | COLUMN | PC | PRECAST |
| COMP | COMPRESSION | PCF | POUNDS PER CUBIC FOOT |
| CONC | CONCRETE | PCP | PRECAST CONCRETE PANEL |
| CONFIG | CONFIGURATION | PEN | PENETRATION |
| CONN | CONNECTION; CONNECT | PERP | PERPENDICULAR |
| CONST | CONSTRUCTION | PH | PENTHOUSE |
| CONT | CONTINUE; CONTINUOUS | PJP, PP | PARTIAL JOINT PENETRATION WELD |
| CONTR | CONTRACTOR | PL | PLATE |
| COORD | COORDINATE; COORDINATION | PLC | PLACE |
| CORR | CORRUGATED | PLF | POUNDS PER LINEAL FOOT |
| CP, CJP | COMPLETE JOINT PENETRATION WELD | PLYWD | PLYWOOD |
| CTR | CENTER | PP, PJP | PARTIAL JOINT PENETRATION |
| CTSK | COUNTERSINK; COUNTERSUNK | | WELD |
| CU | CUBIC | PREFAB | PREFABRICATED |
| | | PS | PRESTRESSED |
| d | PENNY (NAIL) | PSF | POUNDS PER SQUARE FOOT |
| db | NOMINAL BAR DIAMETER (INCHES) | PSI | POUNDS PER SQUARE INCH |
| DBA | DEFORMED BAR ANCHOR | PT | POST-TENSIONED |
| DBL | DOUBLE | PV | PHOTOVOLTAICS |
| DC | DEMAND CRITICAL WELD | PVC | POLYVINYL CHLORIDE |
| DEG, ° | DEGREE | | |
| DEMO | DEMOLISH; DEMOLITION | R | RADIUS |
| DEPT | DEPARTMENT | RB | RISER BAR |
| DET | DETAIL | RC | REINFORCED CONCRETE |
| DIA, ø | DIAMETER | RCMD | RECOMMEND |
| DIAG | DIAGONAL | REF | REFERENCE |
| DIAPH | DIAPHRAGM | REINF | REINFORCE; REINFORCING; REINFORCEMENT |
| DICA | DRILLED-IN CONCRETE ANCHOR | | |
| DIM | DIMENSION | REQD | REQUIRED |
| DISC | DISCONTINUED; DISCONTINUOUS | REQT | REQUIREMENT |
| DL | DEAD LOAD | | |
| DLT | DOWEL LAMINATED TIMBER | S1S | SURFACED ONE SIDE |
| DN | DOWN | S2S | SURFACED TWO SIDES |
| DO | DITTO | S4S | SURFACED FOUR SIDES |
| DWG | DRAWING | S | AMERICAN STANDARD SHAPE; SOUTH |
| DWL | DOWEL | SB | SPACER BAR; SUPPORT BAR |
| | | SC | SLIP CRITICAL |
| (E) | EXISTING | SCC | STRUCTURAL CONSULTANT TO THE CONTRACTOR |
| E | EAST | | |
| E-W | EAST-WEST | SCHED | SCHEDULE, SCHEDULED |
| EA | EACH | SDQ | SPECIAL DUCTILE QUALITY |
| EF | EACH FACE | SECT | SECTION |
| EJ | EXPANSION JOINT | SEOR | STRUCTURAL ENGINEER OF RECORD |
| EL | ELEVATION | SFRS | SEISMIC FORCE RESISTING SYSTEM |
| ELEC | ELECTRICAL | SHT | SHEET |
| ELEV | ELEVATOR | SHTG | SHEATHING |
| EMBED | EMBEDDED | SIM | SIMILAR |
| ENGR | ENGINEER | SLBB | SHORT LEGS BACK-TO- BACK |
| EQ | EQUAL; EARTHQUAKE | SOG | SLAB ON GRADE |
| EQUIP | EQUIPMENT | SOSD | SLAB ON STEEL DECK |
| ES | EACH SIDE | SP | SPIRAL |
| ETC | ET CETERA | SPC | SPACE |
| EW | EACH WAY | SPCG | SPACING |
| EXIST | EXISTING | SPEC | SPECIFICATION |
| EXP | EXPANSION | SQ | SQUARE |
| EXT | EXTERIOR | SSL | SHORT SLOTTED (HOLES) |
| EXTD | EXTEND; EXTENDED | STD | STANDARD |
| | | STIFF | STIFFENER |
| F | DEGREES FAHRENHEIT | STIRR | STIRRUP |
| FD | FLOOR DRAIN | STL | STEEL |
| FDN | FOUNDATION | STR | STRAIGHT |
| FF | FAR FACE | STRUC | STRUCTURAL |
| FFE | FINISH FLOOR ELEVATION | SUPT | SUPPORT |
| FG | FRICTION GRIP BOLT | SW | SHEAR WALL |
| FIN | FINISH | SYM | SYMMETRICAL |
| FL | FLOOR; FLOOR LINE | | |
| FLG | FLANGE | T&B | TOP AND BOTTOM |
| FOS | FACE OF STUD | T&G | TONGUE AND GROOVE |
| FP | FIREPROOF; FULL PENETRATION | T&R | TREAD AND RISER |
| FRMG | FRAMING | TBD | TO BE DETERMINED |
| FS | FULL SIZE; FAR SIDE | TEMP | TEMPERATURE; TEMPORARY |
| FT | FOOT; FEET | THK | THICK; THICKNESS |
| FTG | FOOTING | THRU | THROUGH |
| FV | FIELD VERIFY | TOC | TOP OF CURB; TOP OF CONCRETE |
| | | TOF | TOP OF FOOTING |
| GA | GAGE, GAUGE | TOS | TOP OF STEEL |
| GALV | GALVANIZED | TOW | TOP OF WALL |
| GB | GRADE BEAM | TRANS | TRANSVERSE |
| GFRC | GLASS FIBER REINFORCED CONCRETE | TYP | TYPICAL |
| GL | GLUED LAMINATED (BEAM) | | |
| GR | GRADE | UB | UNIVERSAL BEAM |
| GRND | GROUND | UBC | UNIFORM BUILDING CODE |
| | | UC | UNIVERSAL COLUMN |
| H | HORIZONTAL | UL | UNDERWRITERS' LABORATORY, INC. |
| HEF | HORIZONTAL EACH FACE | UNO | UNLESS NOTED OTHERWISE |
| HGR | HANGER | UT | ULTRASONIC TEST |
| HIF | HORIZONTAL INSIDE FACE | | |
| HOF | HORIZONTAL OUTSIDE FACE | V, VERT | VERTICAL |
| HORIZ | HORIZONTAL | VEF | VERTICAL EACH FACE |
| HP | HP SHAPES; HIGH POINT | VG | VERTICAL GRAIN |
| HS | HIGH STRENGTH | VIF | VERTICAL INSIDE FACE |
| HSS | HOLLOW STRUCTURAL SECTION | VOF | VERTICAL OUTSIDE FACE |
| HT | HEIGHT | | |
| | | W | WIDE FLANGE; WIDE; WEST |
| ICC | INTERNATIONAL CODE COUNCIL | W/ | WITH |
| ID | INSIDE DIAMETER | W/O | WITHOUT |
| IN | INCH | WD | WOOD |
| INCL | INCLUDE | WF | WIDE FLANGE |
| INFO | INFORMATION | WH | WEEP HOLE |
| INSUL | INSULATION | WL | WORK LINE |
| INT | INTERIOR | WP | WORK POINT |
| | | WPJ | WEAKENED PLANE JOINT |
| JST | JOIST | WT | WEIGHT; STRUCTURAL TEE CUT FROM W SHAPE |
| JT | JOINT | | |
| | | WWR | WELDED WIRE REINFORCING |
| K | KIP (1,000 POUNDS) | | |
| KO | KNOCK-OUT | YD | YARD |
| KSI | KIPS PER SQUARE INCH | | |

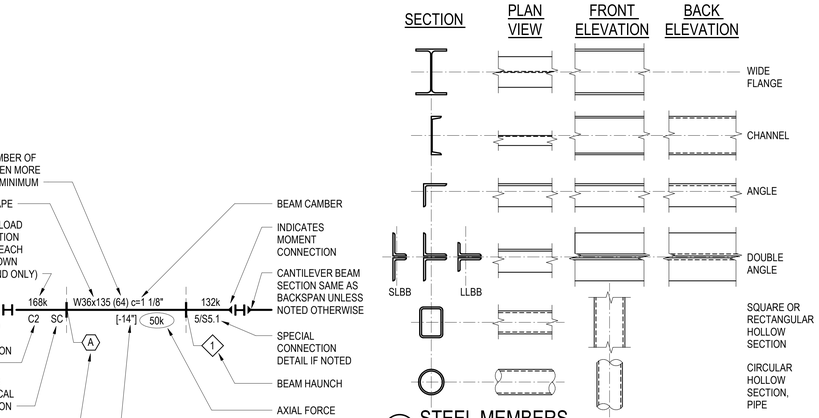
## 16 ABBREVIATIONS



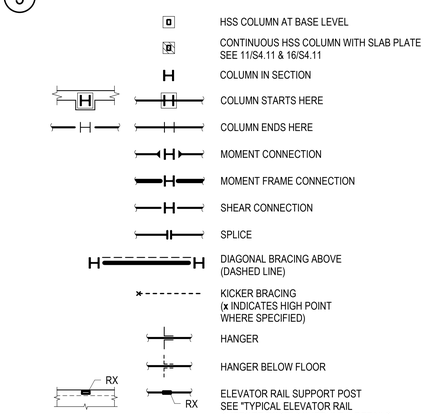

NOTES:

1. NO REACTION AT EITHER END INDICATES MINIMUM CONNECTION FOR BEAM DEPTH. SEE "GENERAL NOTES FOR STEEL CONNECTIONS".
2. SPACE STUDS PER "TYPICAL SHEAR STUD PLACEMENT" DETAIL.
3. "M" IN PLACE OF STEEL SHAPE INDICATES W10x12 WITH MINIMUM CONNECTION.
4. "HSS" IN PLACE OF STEEL SHAPE INDICATES HSS8x4x1/4.
5. "E" IN PLACE OF STEEL SHAPE INDICATES FRAMING PER "TYPICAL EXTENDED DECK EDGE" DETAILS.
6. WHERE NO BEAM SIZE IS CALLED OUT ADJACENT TO FLOOR OR ROOF OPENING, REFER TO TYPICAL STEEL DETAILS FOR SIZES AND CONNECTIONS.
7. (A) INDICATES BEAM WEB PENETRATION PER "TYPICAL BEAM WEB PENETRATION DETAILS".

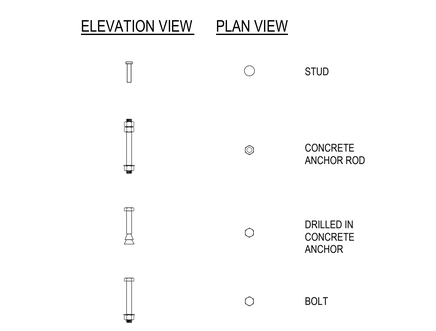
## 7 BEAM CALLOUT KEY




## 3 STEEL MEMBERS




## 8 STEEL SYMBOLS




## 12 CONNECTORS




## 13 MISCELLANEOUS SYMBOLS




## 17 CONCRETE SCHEDULE MARKS




## 18 CONCRETE SYMBOLS

**DRAWING LIST**

| SHEET NUMBER | SHEET NAME |
|---|---|
| S0.00 | COVER |
| S0.01 | ABBREVIATIONS, LEGENDS, AND DRAWING LIST |
| S0.02 | REINFORCING DETAILS |
| S0.03 | GENERAL NOTES |
| S0.04 | GENERAL NOTES |
| S0.05 | ISOMETRIC VIEWS |
| S0.06 | ISOMETRIC VIEWS |
| S0.07 | ISOMETRIC VIEWS |
| S0.08 | ISOMETRIC VIEWS |
| | |
| S1.00 | LOAD MAPS |
| S1.01 | LOAD MAPS |
| S1.02 | LOAD MAPS |
| S1.03 | LOAD MAPS |
| S1.04 | LOAD MAPS |
| S1.05 | LOAD MAPS |
| S1.06 | LOAD MAPS |
| S1.07 | LOAD MAPS |
| S1.08 | LOAD MAPS |
| S1.09 | LOAD MAPS |
| | |
| S2.01 | TOWER A & B LEVEL B1 COMPOSITE FRAMING PLAN |
| S2.02 | TOWER A & B LEVEL P2 COMPOSITE FRAMING PLAN |
| S2.11 | TOWER A LEVEL 1 & TOWER B LEVEL P1 COMPOSITE FRAMING PLAN |
| S2.12 | TOWER A LEVEL 2 & TOWER B LEVEL 1 COMPOSITE FRAMING PLAN |
| S2.A.01 | TOWER A LEVEL B1 FRAMING PLAN |
| S2.A.01.B | TOWER A LEVEL B1 LONGITUDINAL REINFORCING PLAN |
| S2.A.01.V | TOWER A LEVEL B1 SHEAR REINFORCING PLAN |
| S2.A.02 | TOWER A LEVEL P2 FRAMING PLAN |
| S2.A.02.R | TOWER A LEVEL P2 REINFORCING PLAN |
| S2.A.11 | TOWER A LEVEL 1 FRAMING PLAN |
| S2.A.11.R | TOWER A LEVEL 1 REINFORCING PLAN |
| S2.A.12 | TOWER A LEVEL 2 FRAMING PLAN |
| S2.A.12.R | TOWER A LEVEL 2 REINFORCING PLAN |
| S2.A.13 | TOWER A LEVEL 3 FRAMING PLAN |
| S2.A.13.R | TOWER A LEVEL 3 REINFORCING PLAN |
| S2.A.14 | TOWER A LEVEL 4 FRAMING PLAN |
| S2.A.14.R | TOWER A LEVEL 4 REINFORCING PLAN |
| S2.A.15 | TOWER A LEVEL 5 FRAMING PLAN |
| S2.A.15.R | TOWER A LEVEL 5 REINFORCING PLAN |
| S2.A.16 | TOWER A LEVEL 6 FRAMING PLAN |
| S2.A.16.R | TOWER A LEVEL 6 REINFORCING PLAN |
| S2.A.17 | TOWER A ROOF FRAMING PLAN |
| S2.A.18 | TOWER A EMBEDDED HSS ROOF FRAMING PLAN |
| S2.A.50 | TOWER A PARTIAL PLANS |
| S2.AB.01 | TOWER A & B PARKING LEVEL 2 FRAMING PLAN |
| S2.AB.11 | AB CONNECTOR LEVEL 1 FRAMING PLAN |
| S2.AB.11.R | AB CONNECTOR LEVEL 1 REINFORCING PLAN |
| S2.AB.12 | AB CONNECTOR ROOF FRAMING PLAN |
| S2.AB.13 | AB CONNECTOR EMBEDDED HSS ROOF FRAMING PLAN |
| S2.B.01 | TOWER B LEVEL B1 FRAMING PLAN |
| S2.B.01.B | TOWER B LEVEL B1 LONGITUDINAL REINFORCING PLAN |
| S2.B.01.V | TOWER B LEVEL B1 SHEAR REINFORCING PLAN |
| S2.B.02 | TOWER B LEVEL P2 FRAMING PLAN |
| S2.B.02.B | TOWER B LEVEL P2 MAT LONGITUDINAL REINFORCING PLAN |
| S2.B.02.R | TOWER B LEVEL P2 REINFORCING PLAN |
| S2.B.02.V | TOWER B LEVEL P2 MAT SHEAR REINFORCING PLAN |
| S2.B.03 | TOWER B LEVEL P1 FRAMING PLAN |
| S2.B.03.R | TOWER B LEVEL P1 REINFORCING PLAN |
| S2.B.11 | TOWER B LEVEL 1 FRAMING PLAN |
| S2.B.11.R | TOWER B LEVEL 1 REINFORCING PLAN |
| S2.B.12 | TOWER B LEVEL 2 FRAMING PLAN |
| S2.B.12.R | TOWER B LEVEL 2 REINFORCING PLAN |
| S2.B.13 | TOWER B LEVEL 3 FRAMING PLAN |
| S2.B.13.R | TOWER B LEVEL 3 REINFORCING PLAN |
| S2.B.14 | TOWER B LEVEL 4 FRAMING PLAN |
| S2.B.14.R | TOWER B LEVEL 4 REINFORCING PLAN |
| S2.B.15 | TOWER B LEVEL 5 FRAMING PLAN |
| S2.B.15.R | TOWER B LEVEL 5 REINFORCING PLAN |
| S2.B.16 | TOWER B LEVEL 6 FRAMING PLAN |
| S2.B.16.R | TOWER B LEVEL 6 REINFORCING PLAN |
| S2.B.17 | TOWER B LEVEL 7 FRAMING PLAN |
| S2.B.17.R | TOWER B LEVEL 7 REINFORCING PLAN |
| S2.B.18 | TOWER B ROOF FRAMING PLAN |
| S2.B.19 | TOWER B EMBEDDED HSS ROOF FRAMING PLAN |
| S2.B.50 | TOWER B PARTIAL PLANS |
| S2.C.01 | TOWER C FOUNDATION LEVEL FRAMING PLAN |
| S2.C.01.B | TOWER C FOUNDATION LONGITUDINAL REINFORCING PLAN |
| S2.C.01.V | TOWER C FOUNDATION SHEAR REINFORCING PLAN |
| S2.C.11 | TOWER C LEVEL 1 FRAMING PLAN |
| S2.C.11.R | TOWER C LEVEL 1 REINFORCING PLAN |
| S2.C.12 | TOWER C LEVEL 2 FRAMING PLAN |
| S2.C.12.R | TOWER C LEVEL 2 REINFORCING PLAN |
| S2.C.13 | TOWER C LEVEL 3 FRAMING PLAN |
| S2.C.13.R | TOWER C LEVEL 3 REINFORCING PLAN |
| S2.C.14 | TOWER C LEVEL 4 FRAMING PLAN |
| S2.C.14.R | TOWER C LEVEL 4 REINFORCING PLAN |
| S2.C.15 | TOWER C LEVEL 5 FRAMING PLAN |
| S2.C.15.R | TOWER C LEVEL 5 REINFORCING PLAN |
| S2.C.16 | TOWER C LEVEL 6 FRAMING PLAN |
| S2.C.16.R | TOWER C LEVEL 6 REINFORCING PLAN |
| S2.C.17 | TOWER C LEVEL 7 FRAMING PLAN |
| S2.C.17.R | TOWER C LEVEL 7 REINFORCING PLAN |
| S2.C.18 | TOWER C LEVEL 8 FRAMING PLAN |
| S2.C.18.R | TOWER C LEVEL 8 REINFORCING PLAN |
| S2.C.19 | TOWER C ROOF LEVEL FRAMING PLAN |
| S2.C.20 | TOWER C EMBEDDED HSS FRAMING PLAN |
| S2.C.50 | TOWER C PARTIAL PLANS |

**DRAWING LIST**

| SHEET NUMBER | SHEET NAME |
|---|---|
| | |
| S3.30 | TOWER A & B BASEMENT WALL ELEVATIONS |
| S3.31 | TOWER A & B BASEMENT WALL ELEVATIONS |
| S3.32 | TOWER A & B BASEMENT WALL ELEVATIONS |
| S3.33 | TOWER A & B BASEMENT WALL ELEVATIONS |
| S3.35 | TOWER A & B BASEMENT WALL SECTIONS |
| S3.40 | TOWER C BASEMENT WALL ELEVATIONS |
| S3.45 | TOWER C BASEMENT WALL SECTIONS |
| S3.A1 | TOWER A WEST CORE WALL ELEVATIONS |
| S3.A2 | TOWER A EAST CORE WALL ELEVATIONS |
| S3.A10 | TOWER A WEST CORE WALL SECTIONS |
| S3.A11 | TOWER A WEST CORE WALL SECTIONS |
| S3.A20 | TOWER A EAST CORE WALL SECTIONS |
| S3.A21 | TOWER A EAST CORE WALL SECTIONS |
| S3.B1 | TOWER B NORTH CORE WALL ELEVATIONS |
| S3.B2 | TOWER B SOUTH CORE WALL ELEVATIONS |
| S3.B10 | TOWER B NORTH CORE WALL SECTIONS |
| S3.B11 | TOWER B NORTH CORE WALL SECTIONS |
| S3.B20 | TOWER B SOUTH CORE WALL SECTIONS |
| S3.B21 | TOWER B SOUTH CORE WALL SECTIONS |
| S3.C1 | TOWER C SHEAR WALL ELEVATIONS |
| S3.C2 | TOWER C SHEAR WALL ELEVATIONS |
| S3.C10 | TOWER C SHEAR WALL SECTIONS |
| S3.C20 | TOWER C SHEAR WALL SECTIONS |
| | |
| S4.00 | COLUMN SCHEDULES |
| S4.01 | TYPICAL CONCRETE COLUMN DETAILS |
| S4.02 | TYPICAL CONCRETE DETAILS |
| S4.03 | TYPICAL CONCRETE BEAM DETAILS AND SCHEDULE |
| S4.04 | TYPICAL MILD SLAB DETAILS |
| S4.05 | TYPICAL POST-TENSIONED SLAB DETAILS |
| S4.06 | TYPICAL STUD RAIL DETAILS AND SCHEDULE |
| S4.07 | TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE |
| S4.08 | TYPICAL SHEAR WALL DETAILS |
| S4.09 | TYPICAL COUPLING BEAM DETAILS AND SCHEDULES |
| S4.11 | TYPICAL STEEL DETAILS |
| S4.12 | TYPICAL STEEL DETAILS |
| S4.13 | TYPICAL STEEL BEAM CONNECTIONS TO CONCRETE |
| S4.14 | TYPICAL STEEL DECK DETAILS |
| S4.15 | TYPICAL STEEL DECK DETAILS |
| S4.16 | TYPICAL STEEL DETAILS |
| S4.21 | TYPICAL NON-LOAD BEARING CMU WALL DETAILS |
| S4.22 | TYPICAL NON-LOAD BEARING CMU WALL DETAILS |
| S4.A.10 | TOWER A STEEL COLUMN SCHEDULE |
| S4.B.10 | TOWER B STEEL COLUMN SCHEDULE |
| S4.C.10 | TOWER C STEEL COLUMN SCHEDULE |
| | |
| S5.00 | TOWER A & B CONCRETE SECTIONS AND DETAILS |
| S5.01 | TOWER A & B CONCRETE SECTIONS AND DETAILS |
| S5.02 | TOWER A & B CONCRETE SECTIONS AND DETAILS |
| S5.05 | TOWER C CONCRETE SECTIONS AND DETAILS |
| S5.06 | TOWER C CONCRETE SECTIONS AND DETAILS |
| | |
| S6.00 | TOWER A & B STEEL SECTIONS AND DETAILS |
| S6.01 | TOWER A & B STEEL SECTIONS AND DETAILS |
| S6.05 | TOWER C STEEL SECTIONS AND DETAILS |
| S6.06 | TOWER C STEEL SECTIONS AND DETAILS |

## 19 DRAWING LIST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project:
SOMMET BLANC - ABC
DEER VALLEY, UTAH

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

revisions:

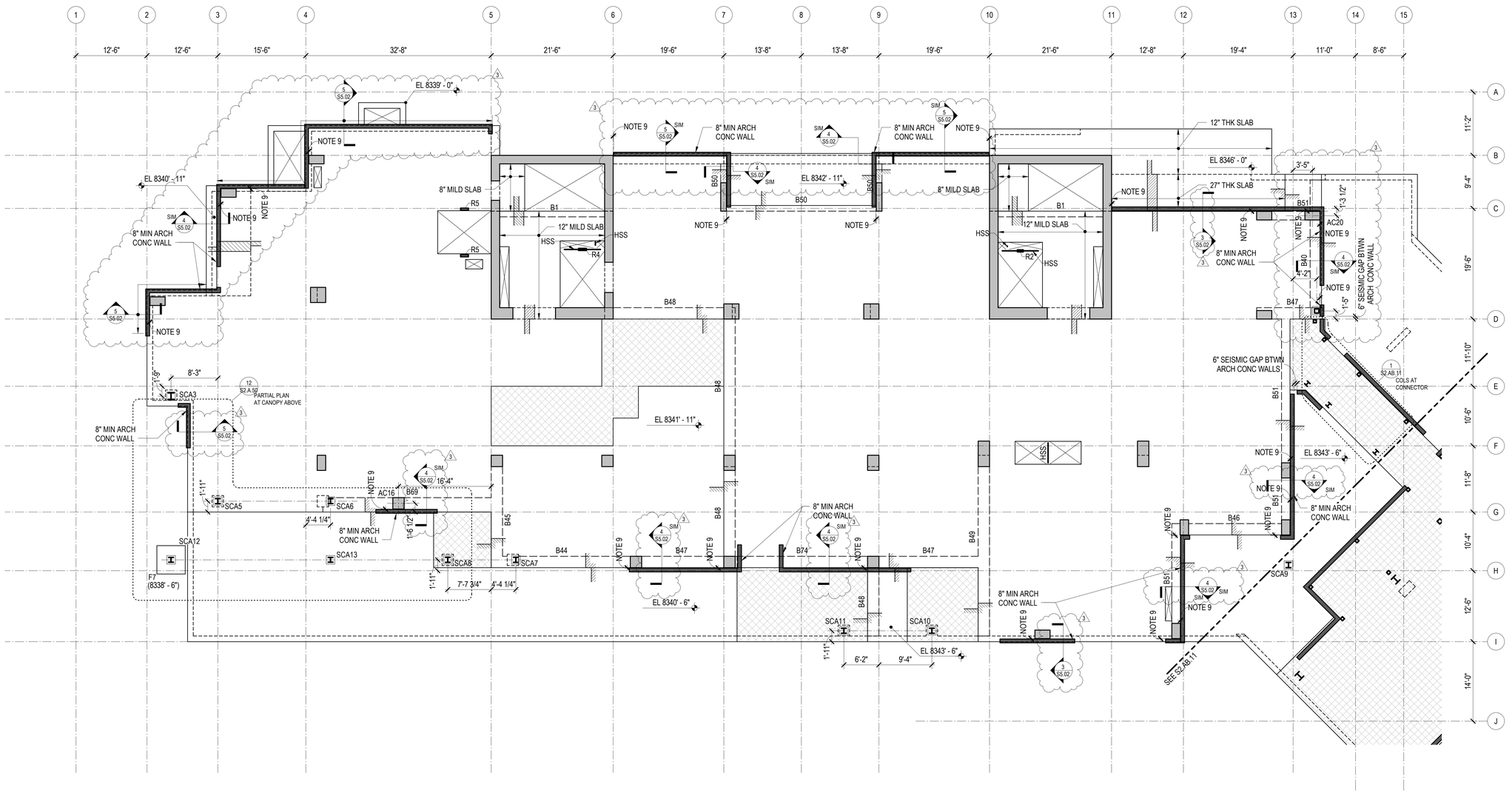
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

ABBREVIATIONS, LEGENDS, AND DRAWING LIST

S0.01



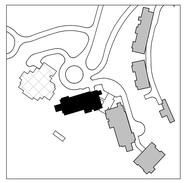

1 TOWER A - LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8345' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8344' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. THE STRUCTURAL SLAB IS A 14-INCH THICK MILD TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE THE TYPICAL MILD SLAB DETAILS.
3. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. [ ] INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
9. WHERE NOTED, ARCHITECTURAL CONCRETE WALLS ARE TO MAINTAIN 1" MINIMUM GAP TO PRIMARY STRUCTURAL COLUMNS/WALLS/SLABS.



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

revisions:

| no. | date | by |
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| 3 | 8/19/2024 | ASI-004 |
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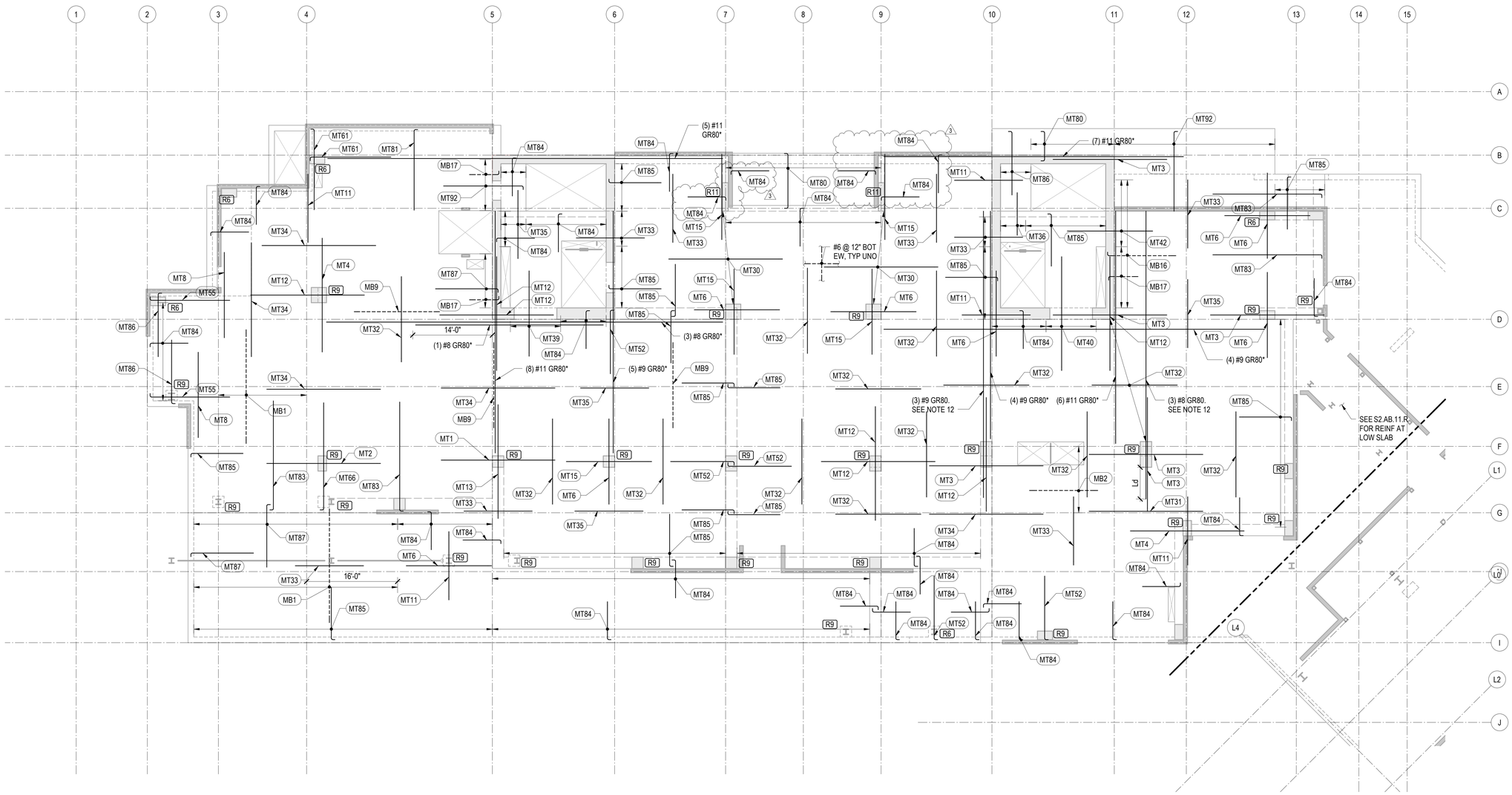
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 1 FRAMING PLAN

S2.A.11




## 1 TOWER A - LEVEL 1 - REINFORCEMENT PLAN

1/8" = 1'-0"

REINFORCING NOTES:

1. SEE "GENERAL NOTES" FOR REINFORCING REQUIREMENTS.
2. SEE "TYPICAL MILD SLAB DETAILS" FOR ADDITIONAL INFORMATION.
3. SLAB REINFORCING SHALL BE PLACED IN THE FOLLOWING SEQUENCE:
   E-W BOTTOM BARS
   N-S BOTTOM BARS
   N-S TOP BARS
   E-W TOP BARS
4. FOR CONTINUOUS BOTTOM BARS, LAP BARS Lsb AS REQUIRED WITH LAPS AT 1/3 THE SLAB SPAN BETWEEN ADJACENT COLUMNS.
5. TWO OF THE CONTINUOUS BOTTOM BARS ARE TO BE PLACED EACH WAY THROUGH ALL COLUMNS WITH COLUMN VERTICAL REINFORCEMENT, UNLESS NOTED OTHERWISE.
6. BOTTOM BARS CALLED OUT ARE IN ADDITION TO CONTINUOUS BOTTOM MAT.
7. RX INDICATES STUD RAIL. STUD RAILS SHALL BE PLACED AT ALL COLUMNS. SEE "TYPICAL STUD RAIL REINFORCEMENT AT COLUMNS" DETAIL AND STUD RAIL SCHEDULE.
8. SEE "TYPICAL CONCRETE OPENINGS AND EMBEDMENTS" FOR ADDITIONAL REINFORCEMENT REQUIREMENTS. NOTIFY STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY. ADDITIONAL REINFORCEMENT MAY BE REQUIRED.
9. WHERE BAR LENGTH CANNOT BE ACHIEVED DUE TO SLAB EDGE, HOOK BAR.
10. WHERE NOTED AS "HOOKED", PROVIDE 90 OR 180 DEGREE HOOK AS SHOWN ON PLAN. NOTED BAR LENGTH IS LENGTH OF STRAIGHT PORTION OF BAR.
11. * INDICATES DIAPHRAGM REINFORCEMENT THAT IS PART OF THE LATERAL FORCE RESISTING SYSTEM AND IS IN ADDITION TO OTHER BARS SHOWN. THIS REINFORCEMENT SHALL BE CENTERED IN SLAB MID-DEPTH, UNO. REINFORCEMENT SHALL MEET CENTER-TO-CENTER SPACING OF 3db BUT NOT LESS THAN 3-INCHES, UNLESS NOTED OTHERWISE. LAP Lsb AS REQUIRED, STAGGER LAPS.
12. WHERE NOTE APPLIES, REINFORCEMENT IS DIAPHRAGM REINFORCEMENT THAT IS PART OF THE LATERAL FORCE RESISTING SYSTEM AND IN ADDITION TO OTHER BARS SHOWN. REINFORCEMENT IS TO BE PLACED WITHIN VERTICALS OF COLUMNS AT GRIDS 10/F OR 11.4/F. REINFORCEMENT SHALL BE CENTERED IN SLAB MID-DEPTH. REINFORCEMENT SHALL MEET CENTER-TO-CENTER SPACING OF 3db BUT NOT LESS THAN 3-INCHES, UNLESS NOTED OTHERWISE. LAP SPLICE IS NOT PERMITTED; PROVIDE MECHANICAL COUPLER IF NECESSARY.

**MILD TOP REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| MT1 | (13) #6x20'-0" @ 10" | STAGGER 6'-0" |
| MT2 | (13) #7x20'-0" @ 10" | STAGGER 5'-0" |
| MT3 | (11) #7x20'-0" @ 12" | STAGGER 4'-0" |
| MT4 | (11) #6x20'-0" @ 12" | STAGGER 4'-0" |
| MT5 | (13) #5x15'-0" @ 10" | STAGGER 4'-0" |
| MT6 | (11) #6x15'-0" @ 12" | STAGGER 4'-0" |
| MT7 | (15) #7x15'-0" @ 9" | STAGGER 3'-0" |
| MT8 | (6) #5x15'-0" @ 12" | STAGGER 3'-0" |
| MT9 | (6) #7x15'-0" @ 12" | STAGGER 3'-0" |
| MT11 | (11) #5x12'-0" @ 12" | STAGGER 2'-0" |
| MT12 | (16) #8x20'-0" @ 8" | STAGGER 5'-0" |
| MT13 | (21) #8x20'-0" @ 6" | STAGGER 5'-0" |
| MT14 | (21) #7x20'-0" @ 6" | STAGGER 5'-0" |
| MT15 | (11) #5x15'-0" @ 12" | STAGGER 3'-0" |
| MT16 | (11) #4x12'-0" @ 12" | STAGGER 2'-0" |

**MILD TOP REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| MT17 | (11) #4x15'-0" @ 12" | STAGGER 3'-0" |
| MT18 | (16) #8x20'-0" @ 8" | STAGGER 5'-0" |
| MT30 | #5x20'-0" @ 12" | STAGGER 3'-0" |
| MT31 | #5x20'-0" @ 10" | STAGGER 2'-0" |
| MT32 | #5x15'-0" @ 12" | STAGGER 2'-0" |
| MT33 | #5x12'-0" @ 12" | STAGGER 2'-0" |
| MT34 | #5x20'-0" @ 12" | STAGGER 4'-0" |
| MT35 | #5x12'-0" @ 12" | STAGGER 1'-0" |
| MT36 | #5x7'-6" @ 12" | STAGGER 0'-0" |
| MT37 | #4x12'-0" @ 12" | STAGGER 1'-0" |
| MT38 | #4x15'-0" @ 12" | STAGGER 1'-0" |
| MT39 | #5x15'-0" @ 8" | STAGGER 2'-0" |
| MT40 | #6x20'-0" @ 12" | STAGGER 4'-0" |
| MT42 | #6x15'-0" @ 12" | STAGGER 2'-0" |
| MT43 | #7x15'-0" @ 6" | STAGGER 3'-0" |

**MILD TOP REINFORCEMENT SCHEDULE**

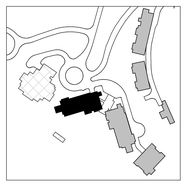
| MARK | REINFORCING | REMARKS |
|---|---|---|
| MT50 | (6) #5x24'-2" @ 12" | HOOK AT END |
| MT51 | (11) #5x6'-8" @ 12" | HOOK AT END |
| MT52 | (11) #5x11'-2" @ 12" | HOOK AT END |
| MT53 | (7) #6x11'-0" @ 12" | HOOK AT END |
| MT54 | (11) #5x14-2" @ 12" | HOOK AT END |
| MT55 | (16) #6x14'-0" @ 8" | HOOK AT END |
| MT56 | (6) #5x14'-2" @ 12" | HOOK AT END |
| MT57 | (6) #6x9'-0" @ 12" | HOOK AT END |
| MT58 | (11) #6x14'-0" @ 12" | HOOK AT END |
| MT60 | (16) #7x10'-10" @ 8" | HOOK AT END |
| MT61 | (11) #5x14'-2" @ 12" | HOOK AT END |
| MT62 | (11) #4x11'-4" @ 12" | HOOK AT END |
| MT63 | (11) #4x14'-4" @ 12" | HOOK AT END |
| MT64 | (11) #4x19'-4" @ 12" | HOOK AT END |

**MILD TOP REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| MT65 | (11) #4x6'-10" @ 12" | HOOK AT END |
| MT66 | (16) #7x18'-10" @ 8" | HOOK AT END |
| MT80 | #5 @ 12" | HOOK BOTH ENDS |
| MT81 | #5x14'-2" @ 12" | HOOK AT END |
| MT82 | #6x29'-0" @ 12" | HOOK AT END |
| MT83 | #5x19'-2" @ 12" | HOOK AT END |
| MT84 | #5x6'-8" @ 12" | HOOK AT END |
| MT85 | #5x9'-2" @ 12" | HOOK AT END |
| MT86 | #5x11'-2" @ 12" | HOOK AT END |
| MT87 | #6x11'-0" @ 12" | HOOK AT END |
| MT88 | #4x14'-4" @ 12" | HOOK AT END |
| MT89 | #4x6'-10" @ 12" | HOOK AT END |
| MT90 | #4 @ 12" | HOOK BOTH ENDS |
| MT91 | #4x9'-4" @ 12" | HOOK AT END, |
| MT92 | #6x14'-0" @ 12" | HOOK AT END |
| MT93 | #5x19'-2" @ 10" | HOOK AT END |
| MT97 | #7x10'-10" @ 12" | HOOK AT END |

**MILD BOTTOM REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| MB1 | #5x20'-0" @ 12" | STAGGER 2'-0" |
| MB2 | #5x12'-0" @ 24" | STAGGER 2'-0" |
| MB4 | (3) #5x12'-0" @ 14" | STAGGER 2'-0" |
| MB5 | #5x20'-0" @ 18" | STAGGER 2'-0" |
| MB6 | #5x20'-0" @ 16" | STAGGER 2'-0" |
| MB7 | (6) #5x15'-0" @ 16" | STAGGER 2'-0" |
| MB8 | (11) #5x20'-0" @ 12" | STAGGER 3'-0" |
| MB9 | (3) #5x15'-0" @ 24" | STAGGER 2'-0" |
| MB15 | (6) #5x30'-0" @ 24" | STAGGER 3'-0" |
| MB16 | (11) #4x12'-0" @ 12" | STAGGER 3'-0" |
| MB17 | #6x5'-2" @ 24" | HOOK AT END |

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STATE OF UTAH

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SOMMET BLANC - ABC
DEER VALLEY, UTAH

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

revisions:

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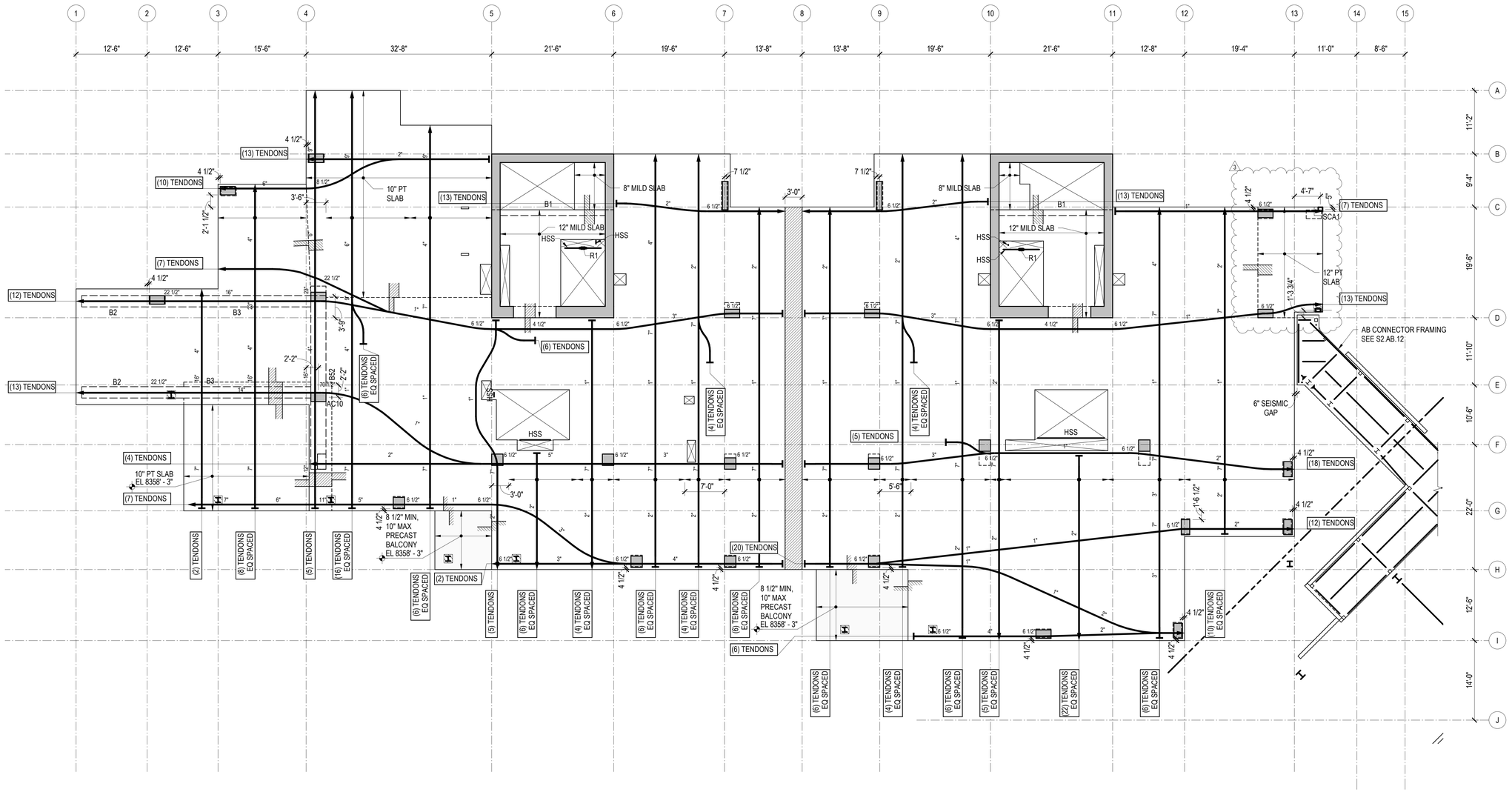
| 3 | 8/19/2024 ASI-004 | |
| | 04/08/2024 IFC SET 1 OF 3 | |
| | 11/18/2022 95% CD | |

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 1 REINFORCING PLAN

S2.A.11.R



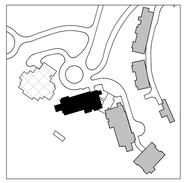

1 TOWER A - LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8359' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8358' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.



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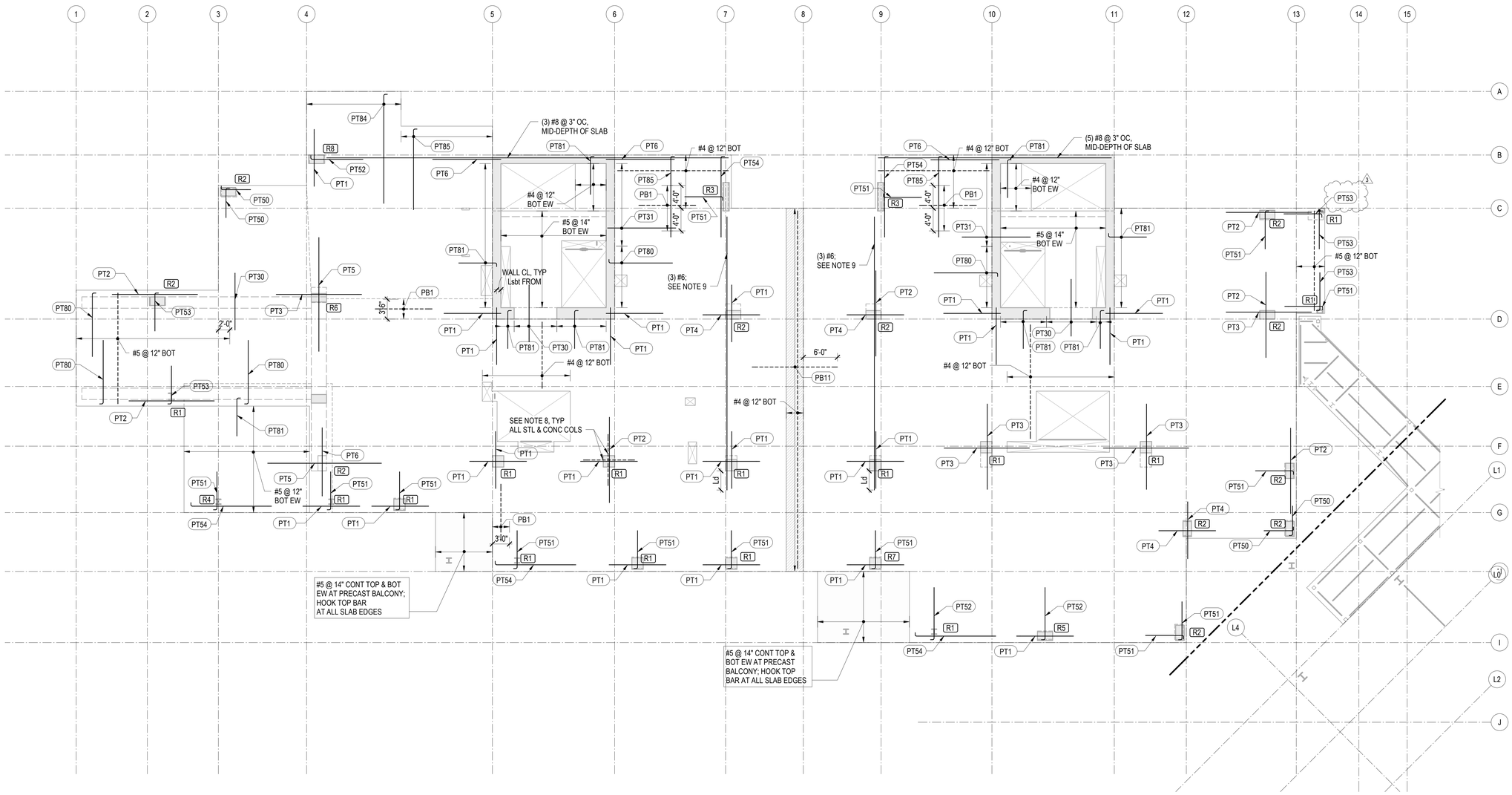
IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 2 FRAMING PLAN

S2.A.12




## 1 TOWER A - LEVEL 2 - REINFORCEMENT PLAN

1/8" = 1'-0"

REINFORCING NOTES:

1. SEE "GENERAL NOTES" FOR REINFORCING REQUIREMENTS.
2. SEE "TYPICAL POST-TENSIONED SLAB DETAILS" FOR ADDITIONAL INFORMATION.
3. SLAB REINFORCING SHALL BE PLACED IN THE FOLLOWING SEQUENCE:
   BOT BARS IN DIRECTION OF DISTRIBUTED TENDONS
   BOT BARS IN DIRECTION OF BANDED TENDONS
   TOP BARS IN DIRECTION OF BANDED TENDONS
   TOP BARS IN DIRECTION OF DISTRIBUTED TENDONS
4. (RX) INDICATES STUD RAIL. STUD RAILS SHALL BE PLACED AT ALL COLUMNS. SEE "TYPICAL STUD RAIL REINFORCEMENT AT COLUMNS" DETAIL AND STUD RAIL SCHEDULE.
5. SEE "TYPICAL CONCRETE OPENINGS AND EMBEDMENTS" FOR ADDITIONAL REINFORCEMENT REQUIREMENTS. NOTIFY STRUCTURAL ENGINEER OF ANY \ OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY. ADDITIONAL REINFORCEMENT MAY BE REQUIRED.
6. WHERE BAR LENGTH CANNOT BE ACHIEVED DUE TO SLAB EDGE, HOOK BAR.
7. WHERE NOTES AS "HOOKED", PROVIDE 90 OR 180 DEGREE HOOK AS SHOWN ON PLAN. NOTED BAR LENGTH IS LENGTH OF STRAIGHT PORTION OF BAR.
8. PROVIDE INTEGRITY BOTTOM BARS PER STUD RAIL SCHEDULE AT ALL COLUMNS. CENTER REINFORCEMENT ON COLUMNS AND PLACE INTEGRITY BARS EACH WAY WITHIN COLUMN VERTICAL REINFORCEMENT. TRIM AND HOOK AT SLAB EDGE AS REQUIRED.

**PT TOP REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| PT1 | (6) #5x10'-0" | |
| PT2 | (6) #5x15'-0" | |
| PT3 | (8) #5x15'-0" | |
| PT4 | (12) #5x10'-0" | |
| PT5 | (10) #5x20'-0" | |
| PT6 | (18) #6x12'-0" @ 5" | STAGGER 3'-0" |
| PT7 | (14) #5x10'-0" | |
| PT8 | (16) #6x20'-0" | |
| PT9 | (14) #6x15'-0" | |
| PT10 | (12) #5x20'-0" | |
| PT11 | (12) #5x15'-0" | |
| PT30 | #5x10'-0"@ 15" | |
| PT31 | #5x12'-0"@ 12" | STAGGER 2'-0" |
| PT33 | #5x6'-0" @ 12" | |

**PT TOP REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| PT50 | (3) #5x5'-2" | HOOK AT END |
| PT51 | (6) #5x6'-8" | HOOK AT END |
| PT52 | (10) #5x9'-2" | HOOK AT END |
| PT53 | (8) #5x6'-8" | HOOK AT END |
| PT54 | (6) #5x14'-2" | HOOK AT END |
| PT55 | (8) #5x14'-2" | HOOK AT END |
| PT56 | (16) #5x11'-2" | HOOK AT END |
| PT57 | (16) #5x14'-2" | HOOK AT END |
| PT58 | (12) #5x6'-8"@12" | HOOK AT END |
| PT59 | (14) #5x11'-2"@12" | HOOK AT END |
| PT80 | #5x11'-2" @ 10" | HOOK AT END |
| PT81 | #5x6'-8" @ 10" | HOOK AT END |
| PT82 | #6x9'-0" @ 4" | HOOK AT END |
| PT83 | #6x9'-0" @ 6" | HOOK AT END |
| PT84 | #6x19'-2" @ 12" | HOOK AT END |
| PT85 | #5x14'-2" @ 12" | HOOK AT END |

**PT BOTTOM REINFORCEMENT SCHEDULE**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| PB1 | #5x10'-0" @ 6" | |
| PB2 | #5x15'-0" @ 12" | |
| PB7 | #5x20'-0" @ 12" | |
| PB11 | #5x15'-0" @ 12" | LAP SPLICE AT DELAY STRIP PER 12/S4.05 |
| PB18 | #5x9'-2" @ 12" | HOOK AT END; SEE 20/S5.01 |

N

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principal architect
project manager
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checked by
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date 05/17/2024

revisions:

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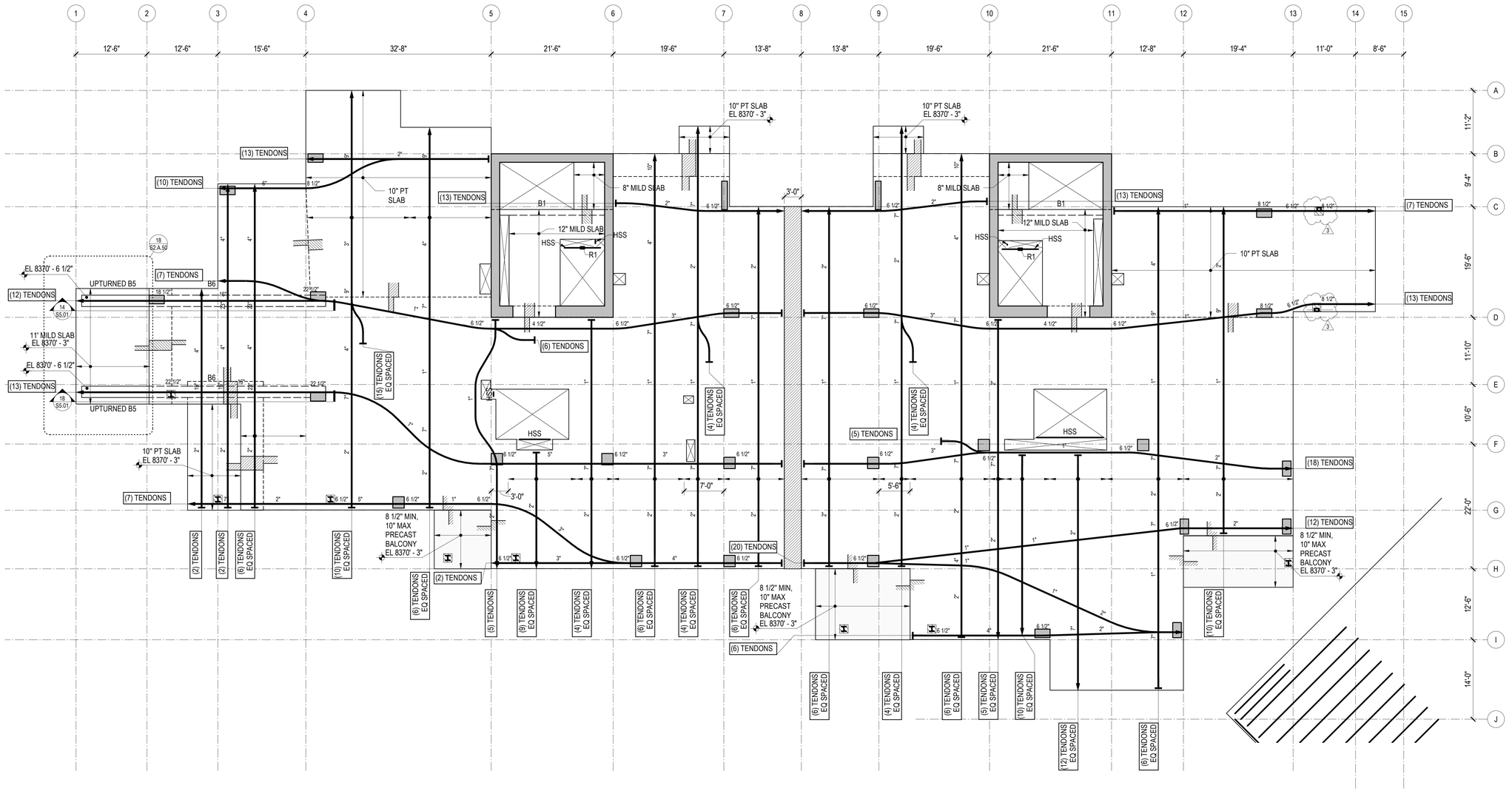
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 2 REINFORCING PLAN

S2.A.12.R



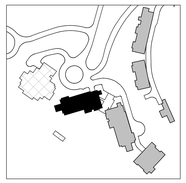

## 1 TOWER A - LEVEL 3 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8371' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8370' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.

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

revisions:

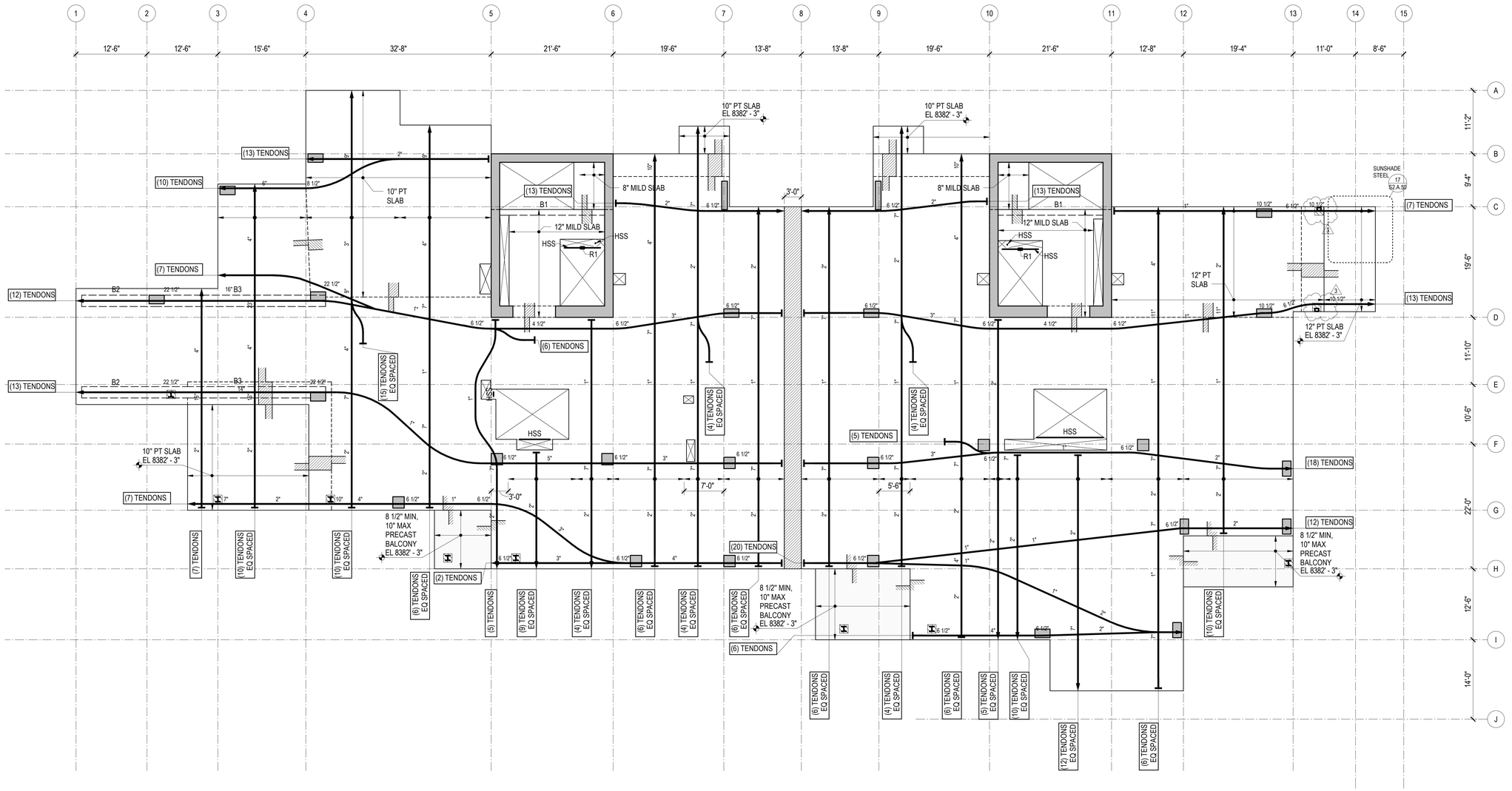
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 3 FRAMING PLAN

S2.A.13




1 TOWER A - LEVEL 4 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8383' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8382' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.
10. ▭ INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.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principal architect
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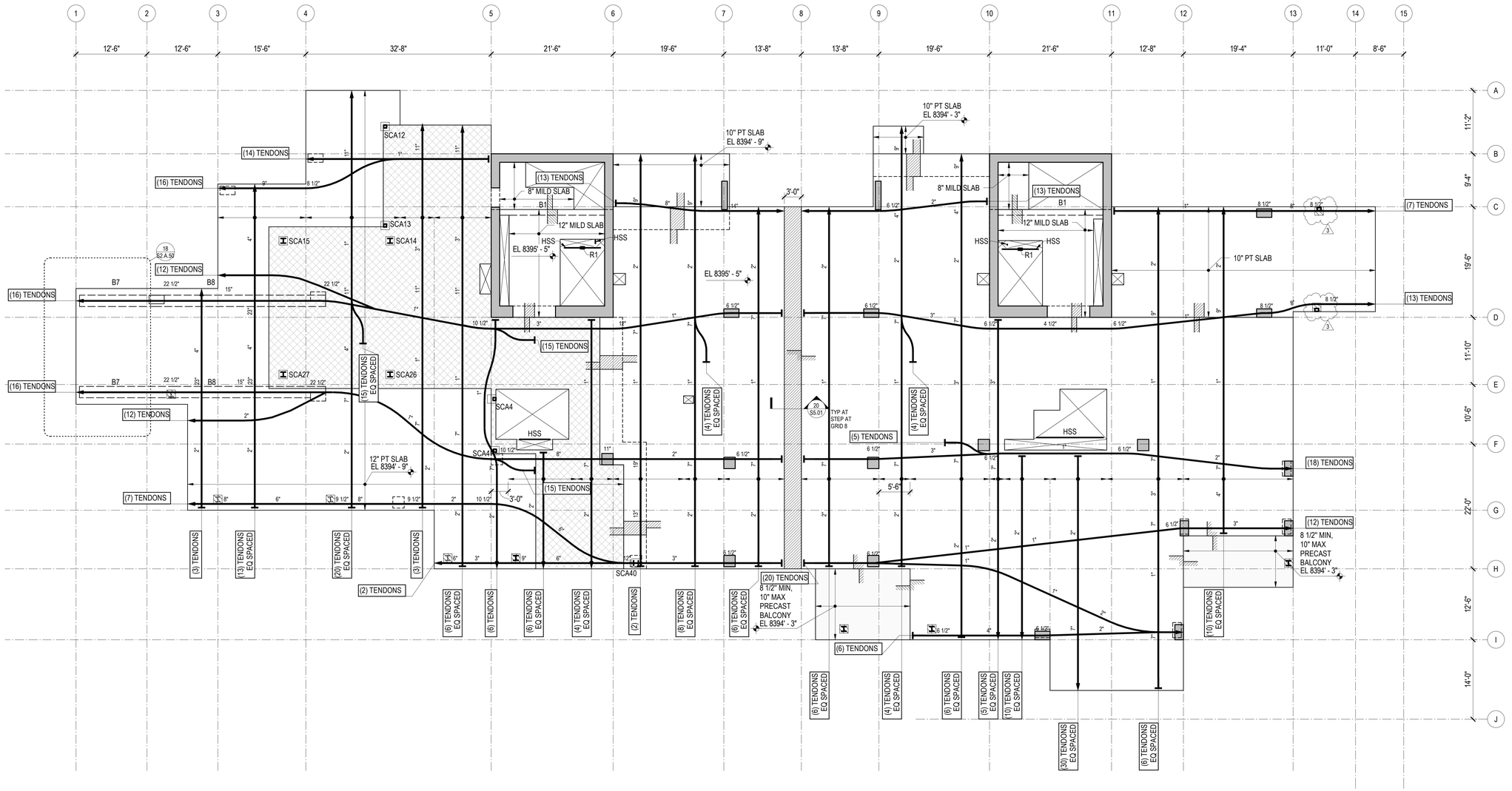
05/17/2024

TOWER A LEVEL 4 FRAMING PLAN

S2.A.14



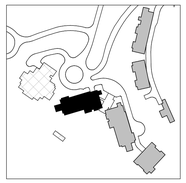

1 TOWER A - LEVEL 5 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8395' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8394' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.
10. ▭ INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
11. "SC#" INDICATES STEEL COLUMN MARK FOR COLUMNS NOT LOCATED BY GRID. SEE TYPICAL STEEL COLUMN DETAILS AND SCHEDULE FOR ADDITIONAL INFORMATION.

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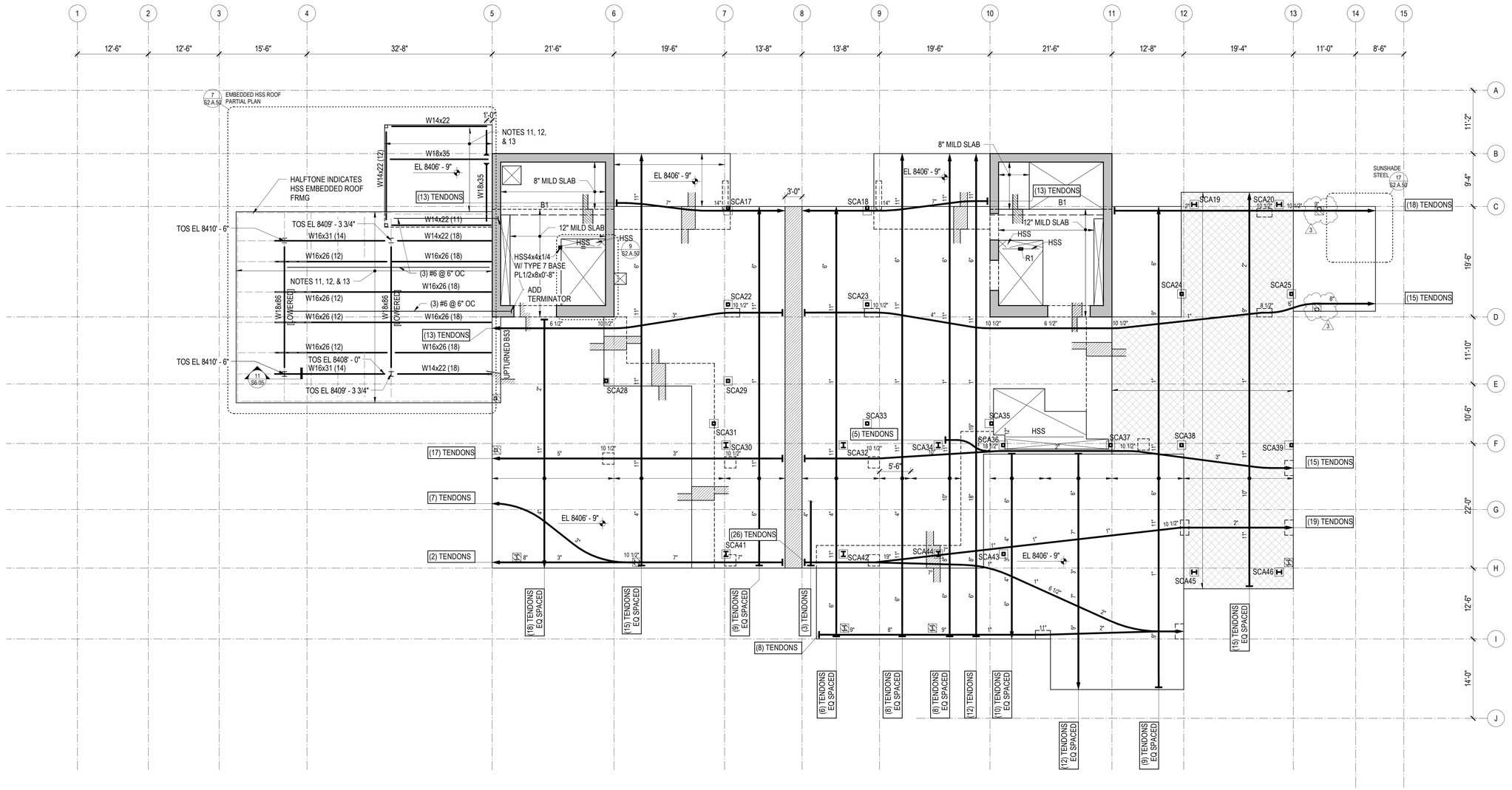
TOWER A LEVEL 5 FRAMING PLAN

S2.A.15



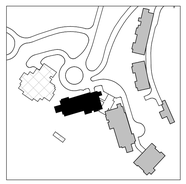

1 TOWER A - LEVEL 6 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8407' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8407' - 5" , UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS A 12-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.
10. INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
11. STRUCTURAL SLAB IS 3-INCHES OF LIGHTWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK UNLESS NOTED OTHERWISE. REINFORCE WITH WWR 6x6-W2.9xW2.9. SEE TYPICAL SLAB ON STEEL DECK DETAILS FOR REINFORCING AND OTHER INFORMATION. REINFORCING SHOWN ON THE PLAN AND IN THE TYPICAL DETAILS IS IN ADDITION TO THIS REINFORCING.
12. REFERENCE TOP OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK UNLESS NOTED OTHERWISE.
13. STEEL SLOPES UNIFORMLY BETWEEN GIVEN TOP OF STEEL ELEVATIONS. WHERE BEAMS OR BEAMS AND COLUMNS INTERSECT, MATCH TOP OF STEEL UNLESS NOTED OTHERWISE.
14. "SC#" INDICATES STEEL COLUMN MARK FOR COLUMNS NOT LOCATED BY GRID. SEE TYPICAL STEEL COLUMN DETAILS AND SCHEDULE FOR ADDITIONAL INFORMATION.

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

revisions:

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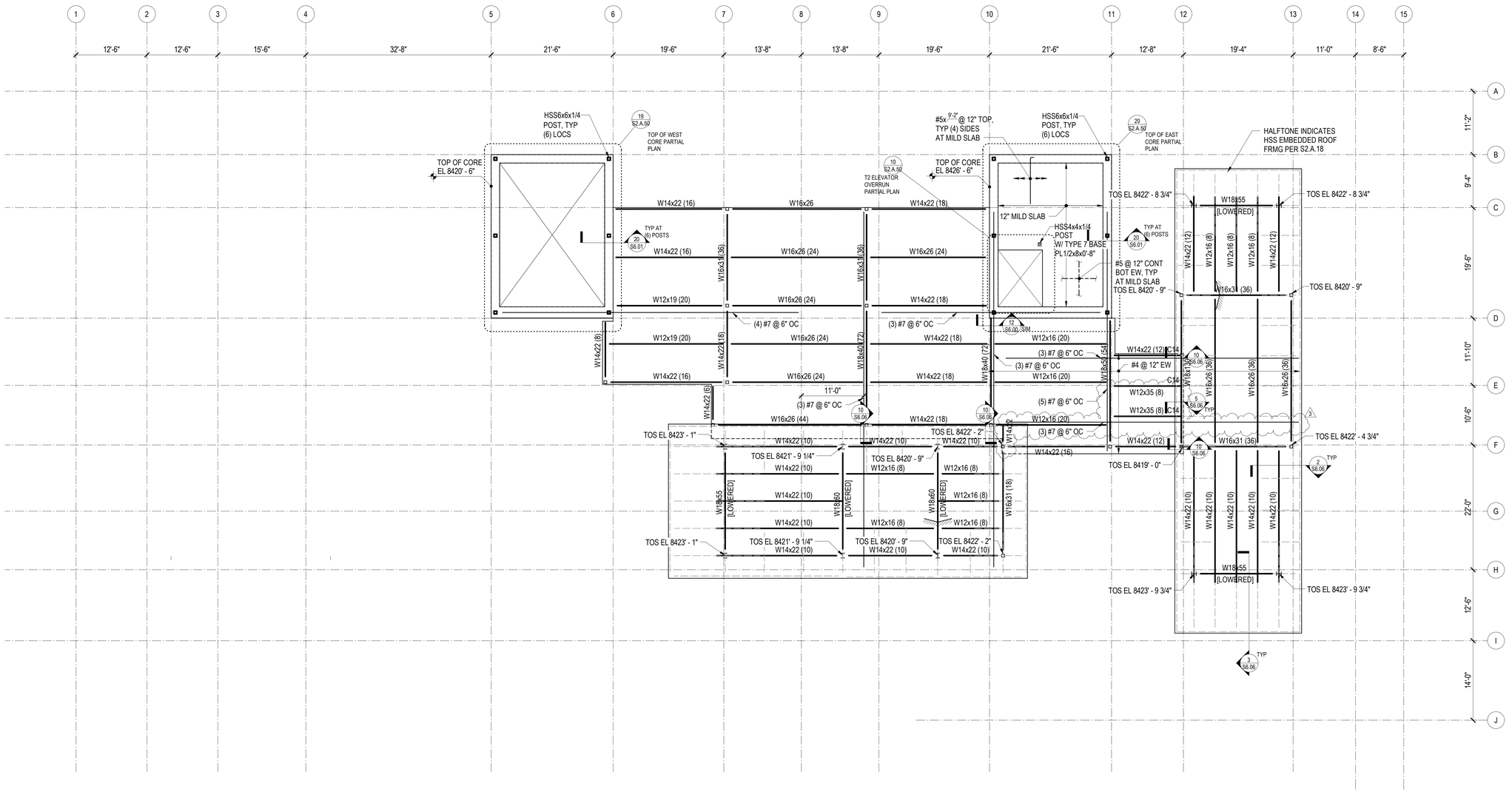
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| 2 | 7/26/2024 | ASI-002 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 6 FRAMING PLAN

S2.A.16




1 TOWER A - ROOF FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8419' - 6". TOP OF SLAB ON STEEL DECK IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS 3-INCHES OF LIGHTWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK UNLESS NOTED OTHERWISE. REINFORCE WITH WWR 6x6-W2.9xW2.9. SEE TYPICAL SLAB ON STEEL DECK DETAILS FOR REINFORCING AND OTHER INFORMATION. REINFORCING SHOWN ON THE PLAN AND IN THE TYPICAL DETAILS IS IN ADDITION TO THIS REINFORCING.
3. REFERENCE TOP OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK UNLESS NOTED OTHERWISE.
4. STEEL SLOPES UNIFORMLY BETWEEN GIVEN TOP OF STEEL ELEVATIONS. WHERE BEAMS OR BEAMS AND COLUMNS INTERSECT, MATCH TOP OF STEEL UNLESS NOTED OTHERWISE.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING SLABS AND WALLS.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE 'TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE,' 'TYPICAL ROOF DECK OPENINGS,' AND 'TYPICAL COMPOSITE DECK OPENINGS' DETAILS FOR OPENING PLACEMENT CRITERIA AND REINFORCING OR FRAMING REQUIREMENTS. NOTIFY STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, EDGE ANGLES, AND SLAB PENETRATIONS. REINFORCE PER TYPICAL DETAILS.

N

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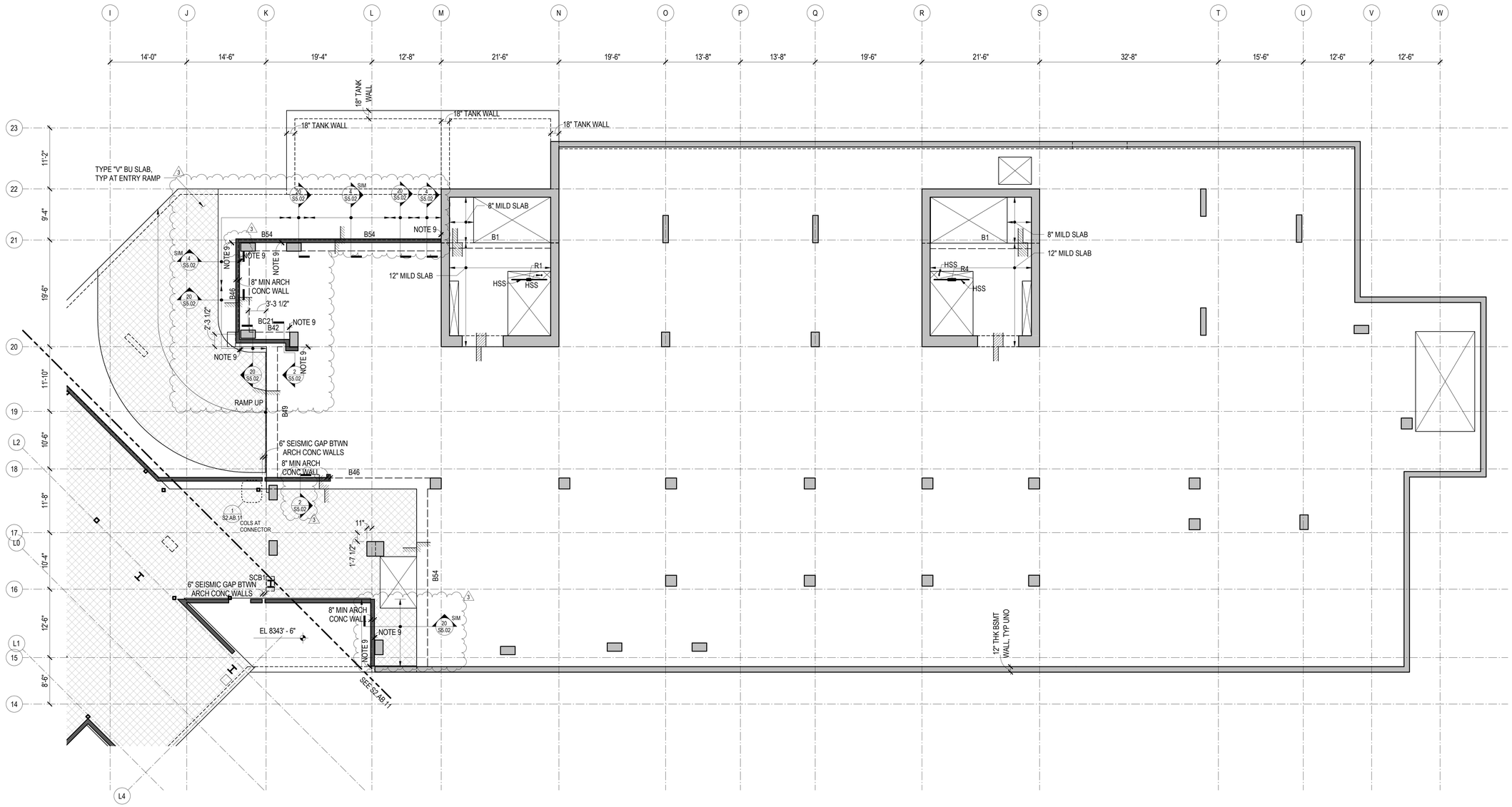
TOWER A ROOF FRAMING PLAN

S2.A.17




1 TOWER B - PARKING LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8345' - 0". TOP OF CONCRETE SLAB IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. THE STRUCTURAL SLAB IS A 14-INCH THICK MILD TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE THE TYPICAL MILD SLAB DETAILS.
3. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
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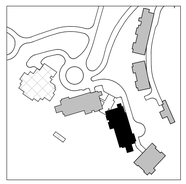
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. [ ] INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
9. WHERE NOTED ARCHITECTURAL CONCRETE WALLS ARE TO MAINTAIN 1-INCH MINIMUM GAP TO PRIMARY STRUCTURAL COLUMNS / WALLS / SLAB EDGE.

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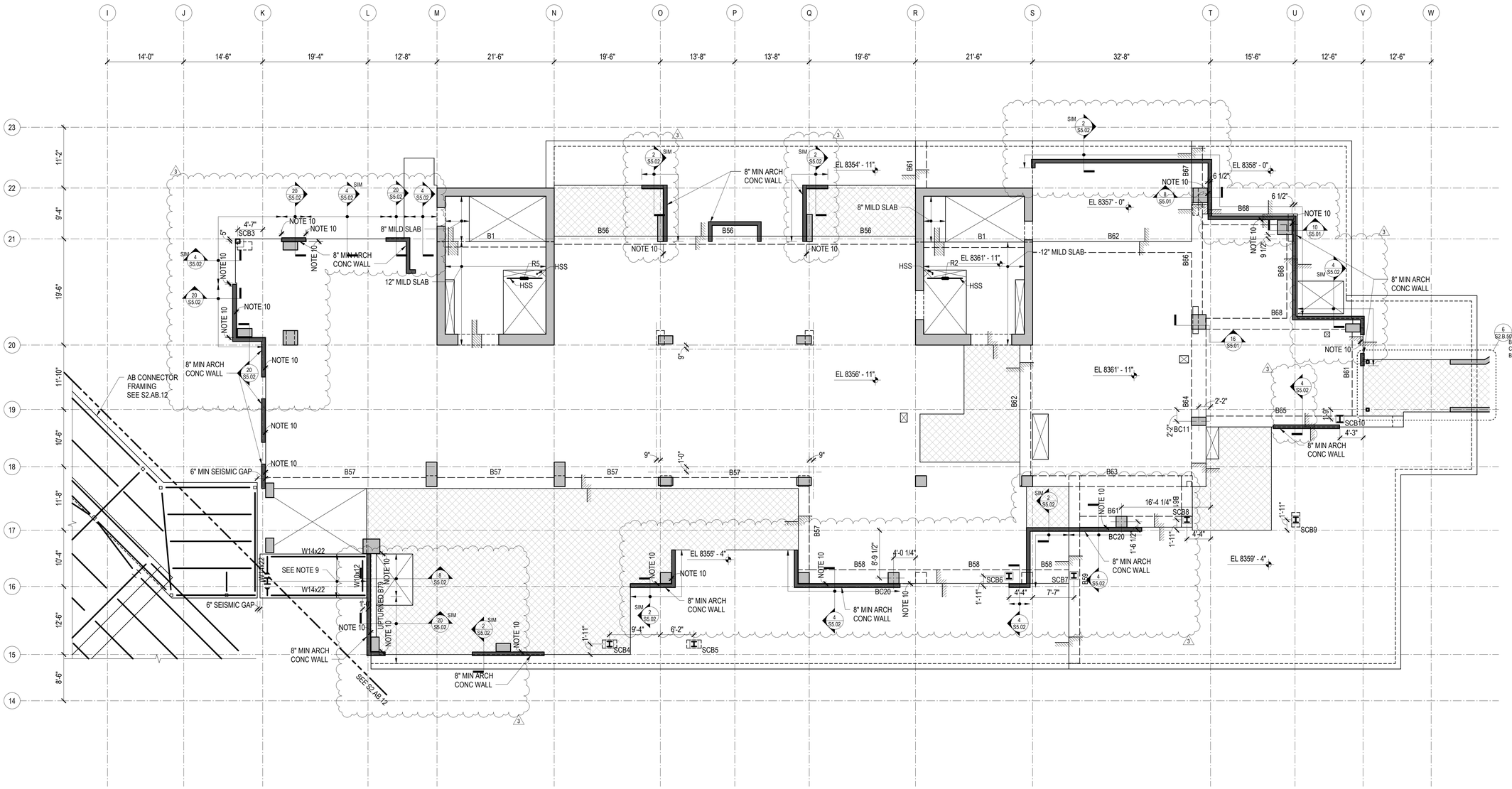
TOWER B LEVEL P1 FRAMING PLAN

S2.B.03




1 TOWER B - LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

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S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8357' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8356' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. THE STRUCTURAL SLAB IS A 14-INCH THICK MILD TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE THE TYPICAL MILD SLAB DETAILS.
3. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. [ ] INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
9. WHERE NOTED, STRUCTURAL SLAB IS 3-INCHES OF LIGHTWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK. REINFORCE WITH WWR 6x6-W2.9xW2.9. SEE TYPICAL SLAB ON STEEL DECK DETAILS FOR REINFORCING AND OTHER INFORMATION. REINFORCING SHOWN ON THE PLAN AND IN THE TYPICAL DETAILS IS IN ADDITION TO THIS REINFORCING.
10. WHERE NOTED ARCHITECTURAL CONCRETE WALLS ARE TO MAINTAIN 1-INCH MINIMUM GAP TO PRIMARY STRUCTURAL COLUMNS / WALLS / SLAB EDGE.

N

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

revisions:

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|---|---|---|
| 3 | 8/19/2024 ASI-004 | |
| | 04/08/2024 IFC SET 1 OF 3 | |
| | 11/18/2022 95% CD | |

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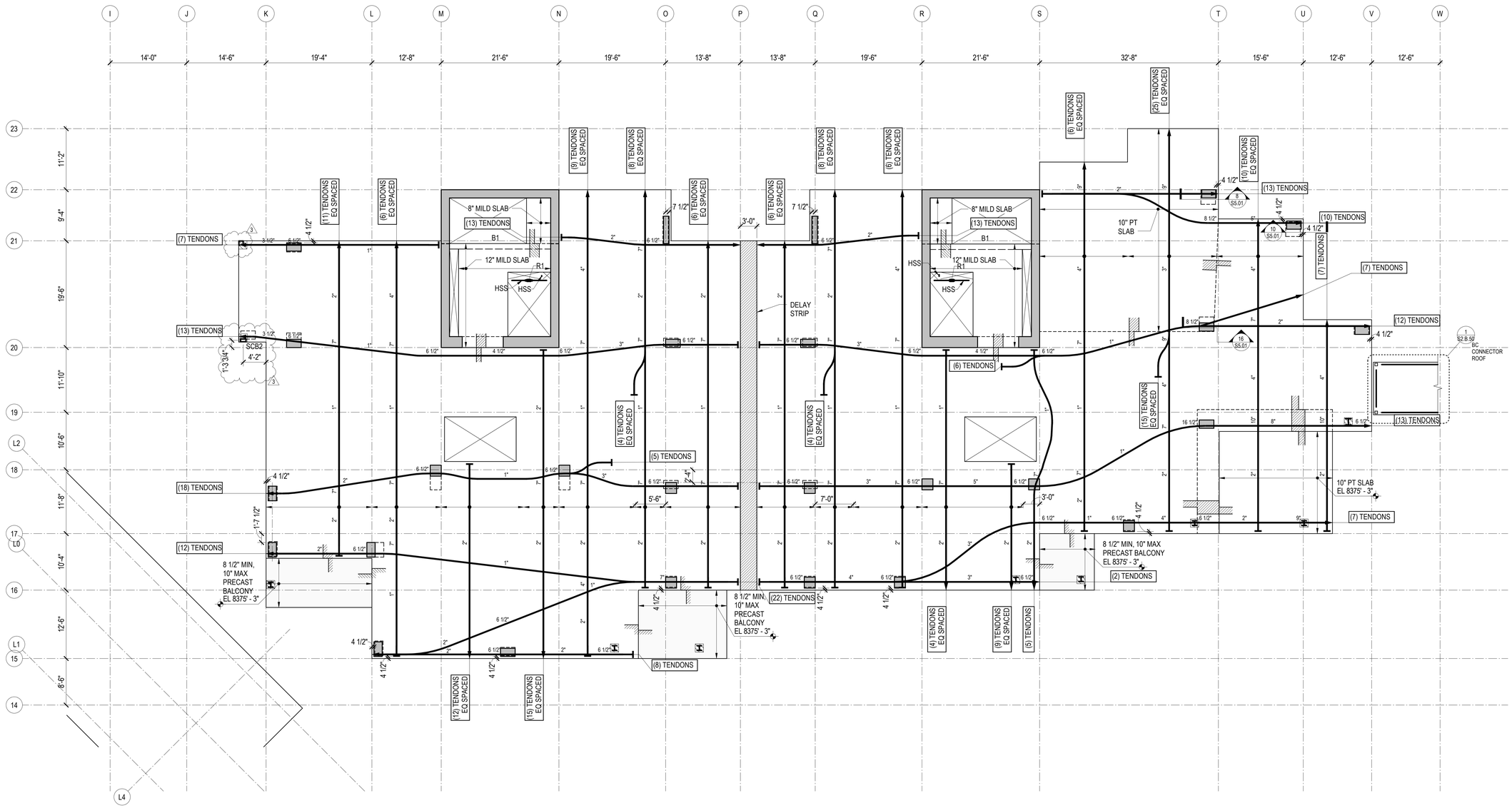
TOWER B LEVEL 1 FRAMING PLAN

S2.B.11



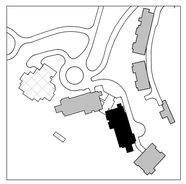

1 TOWER B - LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8376' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8375' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.



N

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DEER VALLEY, UTAH

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

revisions:

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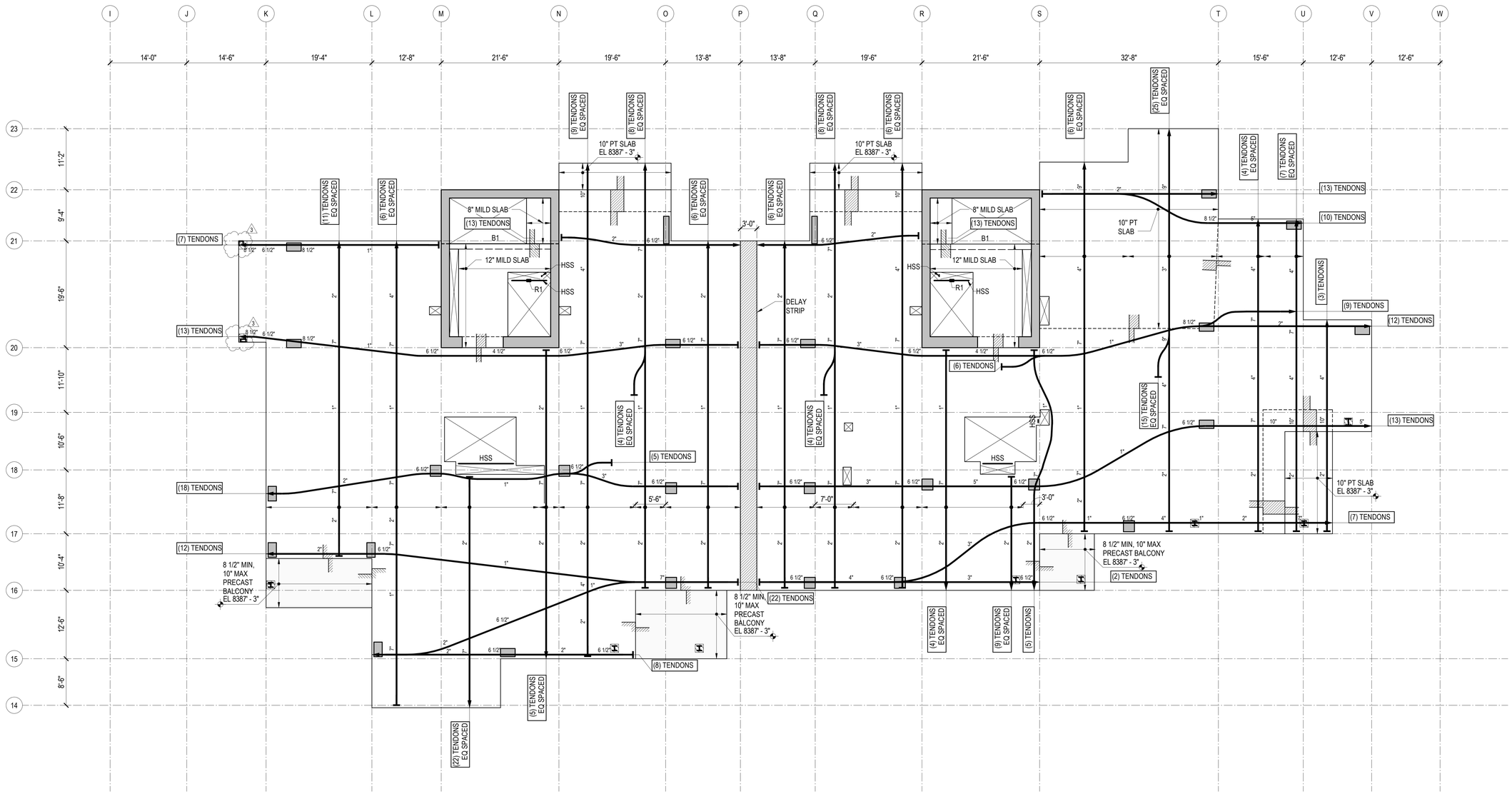
TOWER B LEVEL 2 FRAMING PLAN

S2.B.12



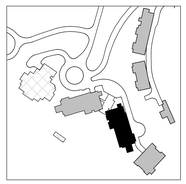

1 TOWER B - LEVEL 3 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8388' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8387' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.



N

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

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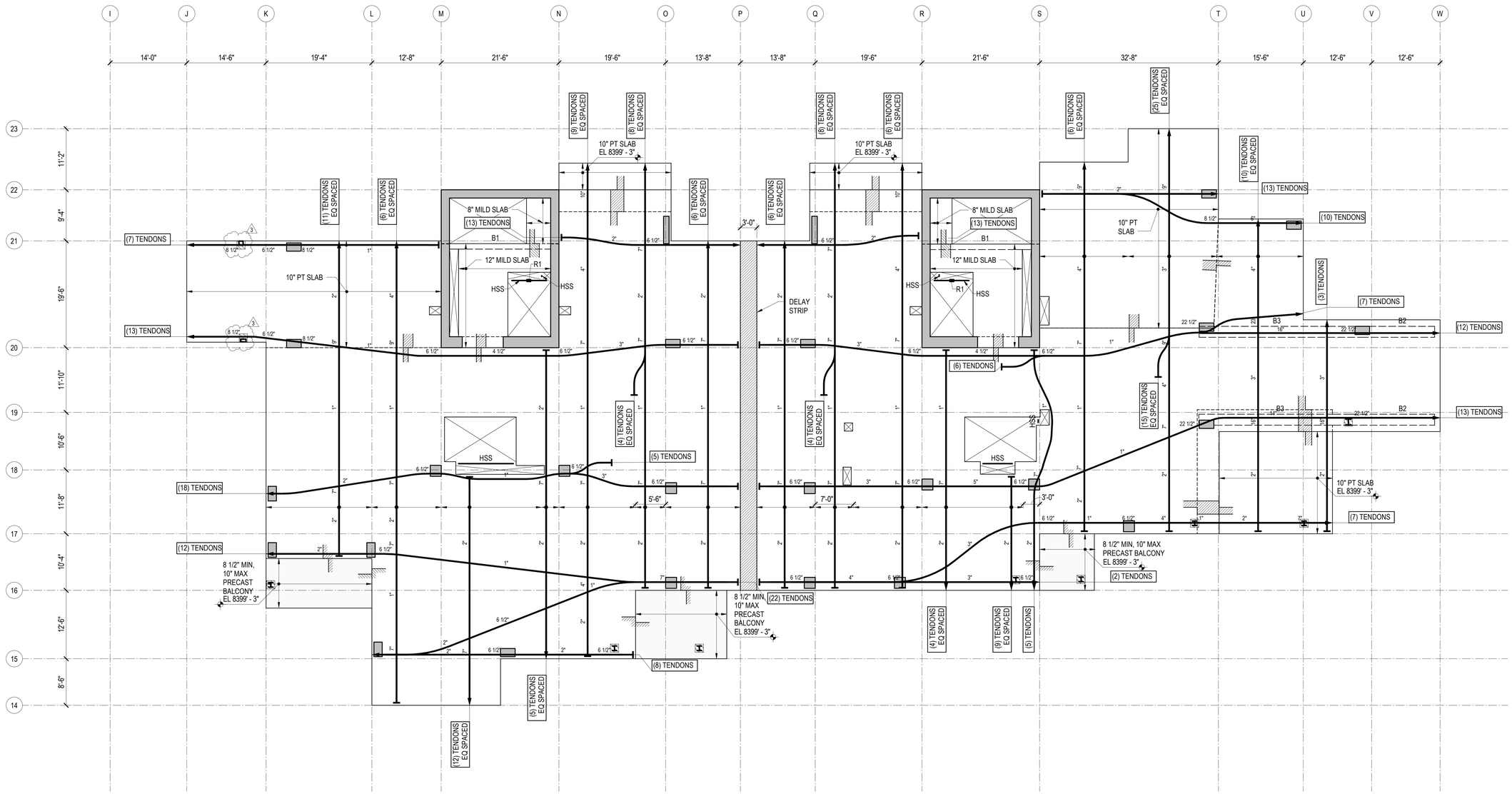
TOWER B LEVEL 3 FRAMING PLAN

S2.B.13



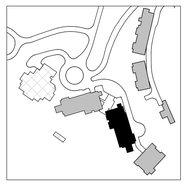

1 TOWER B - LEVEL 4 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8400' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8399' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.



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

revisions:

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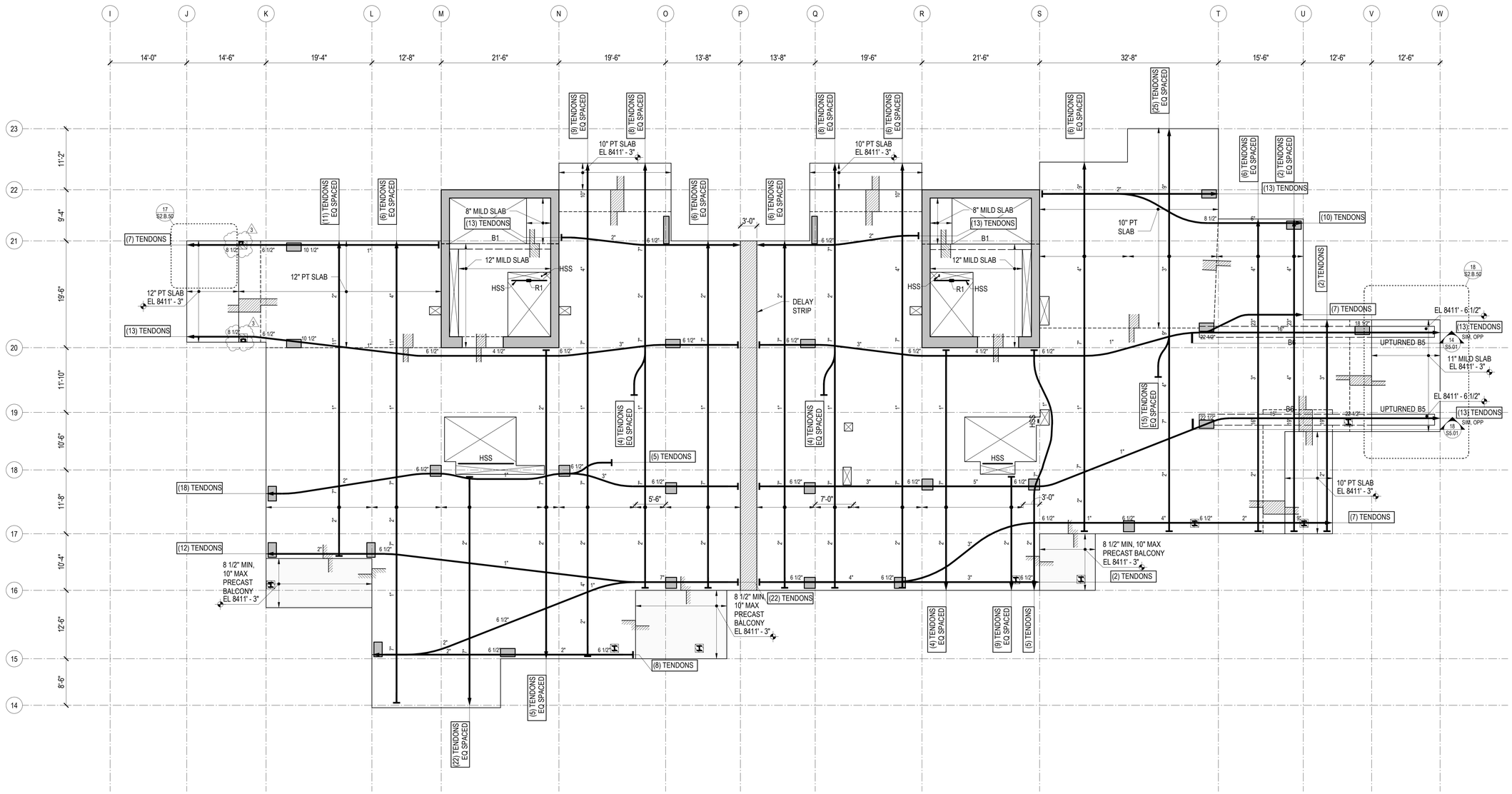
05/17/2024

TOWER B LEVEL 4 FRAMING PLAN

S2.B.14



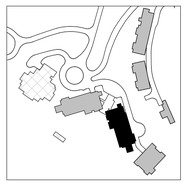

1 TOWER B - LEVEL 5 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8412' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8411' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.



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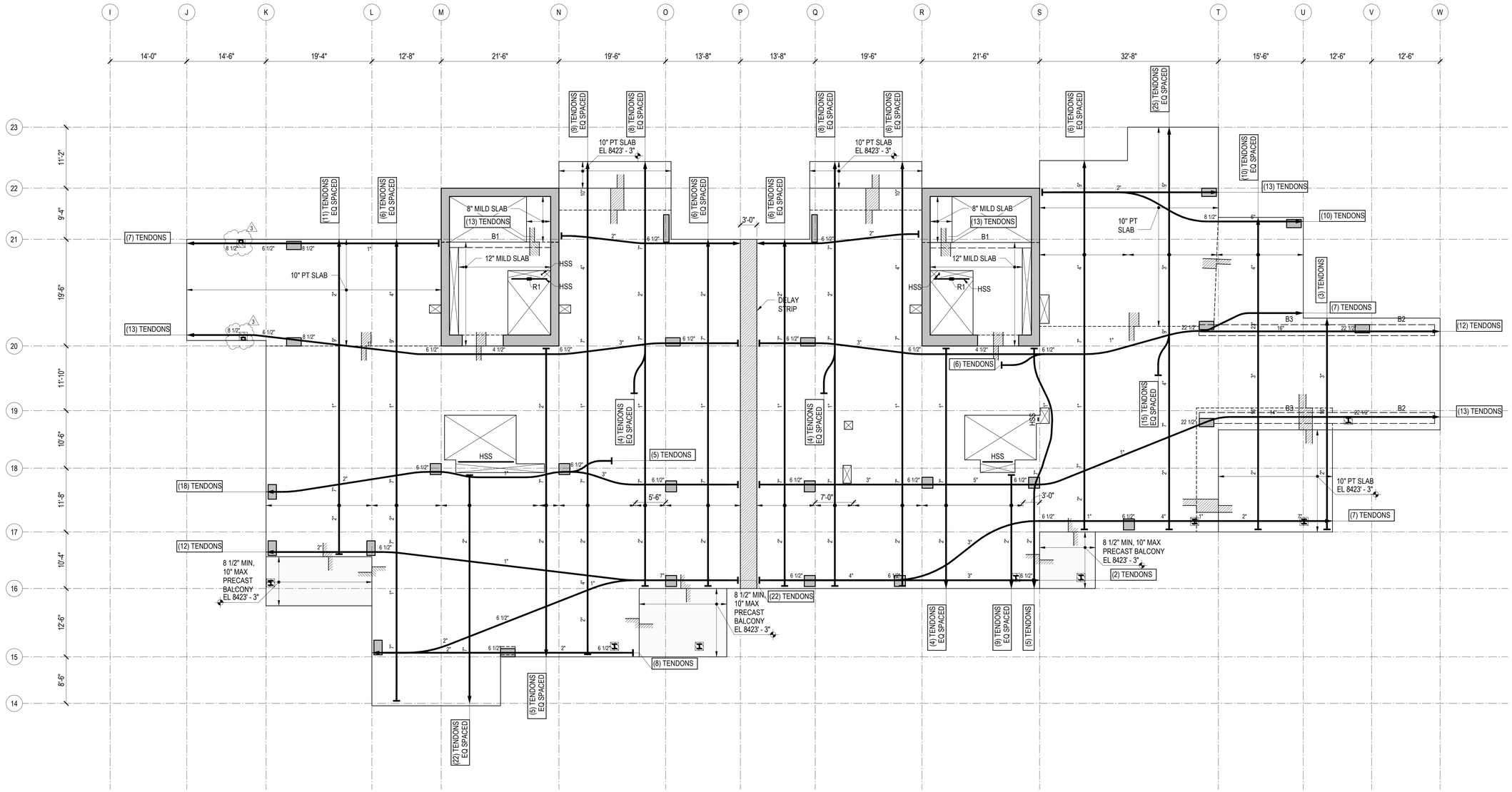
TOWER B LEVEL 5 FRAMING PLAN

S2.B.15




1 TOWER B - LEVEL 6 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8424' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS 8423' - 11", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
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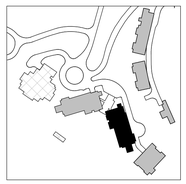
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.
10. ▭ INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.



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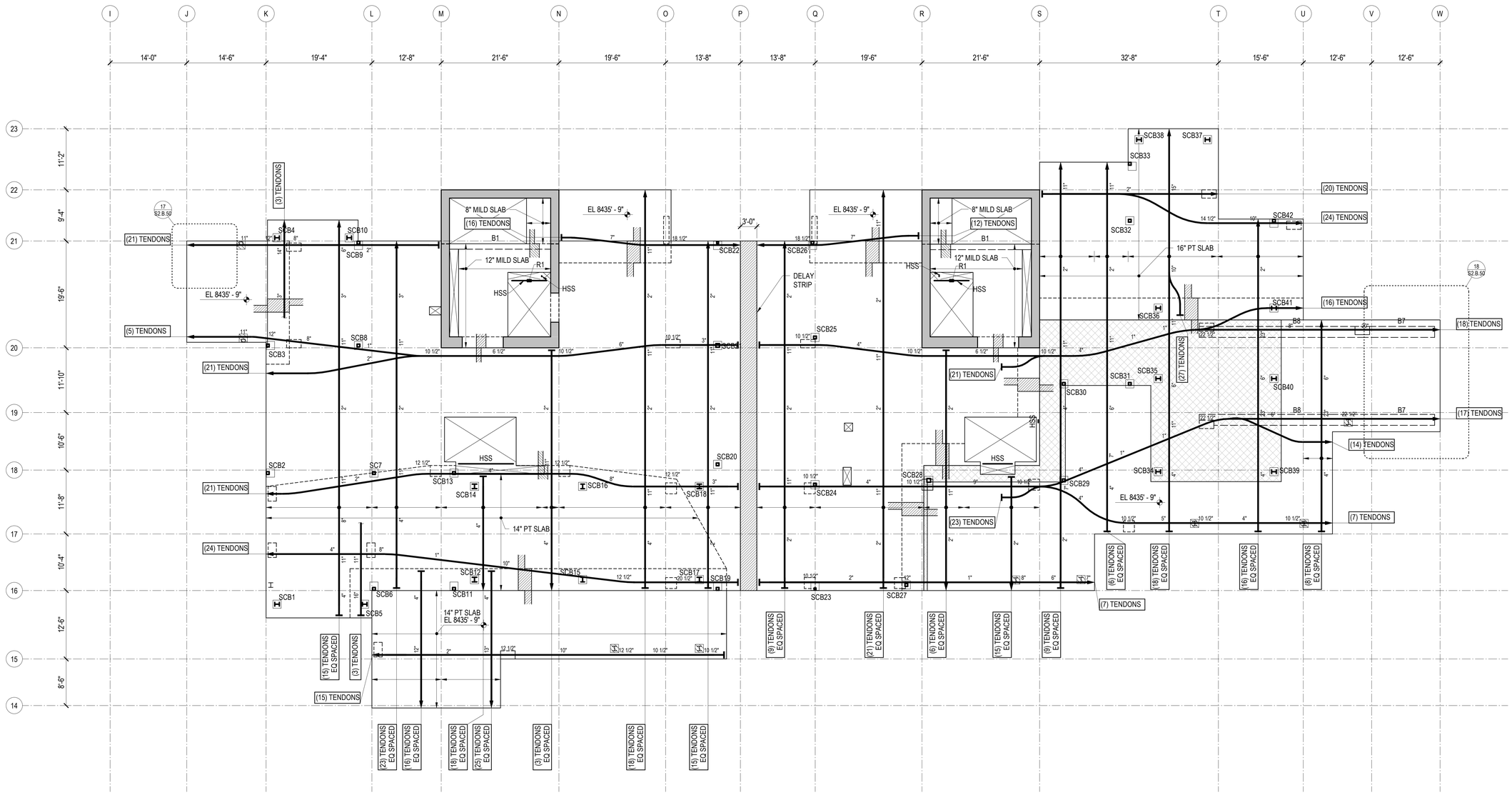
TOWER B LEVEL 6 FRAMING PLAN

S2.B.16



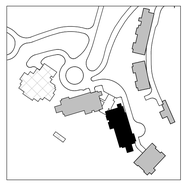

1 TOWER B - LEVEL 7 FRAMING PLAN
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8436' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8436' - 5" , UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS A 12-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. ▨ INDICATES POUR STRIPS. WAIT 28 DAYS MINIMUM AFTER PLACING SLAB CONCRETE PRIOR TO CASTING POUR STRIPS. SEE "TYPICAL POST-TENSIONED DELAY STRIP" DETAIL FOR MORE INFORMATION.
10. ▭ INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.
11. "SC#" INDICATES STEEL COLUMN MARK FOR COLUMNS NOT LOCATED BY GRID. SEE TYPICAL STEEL COLUMN DETAILS AND SCHEDULE FOR ADDITIONAL INFORMATION.

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SOMMET BLANC - ABC
DEER VALLEY, UTAH

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

revisions:

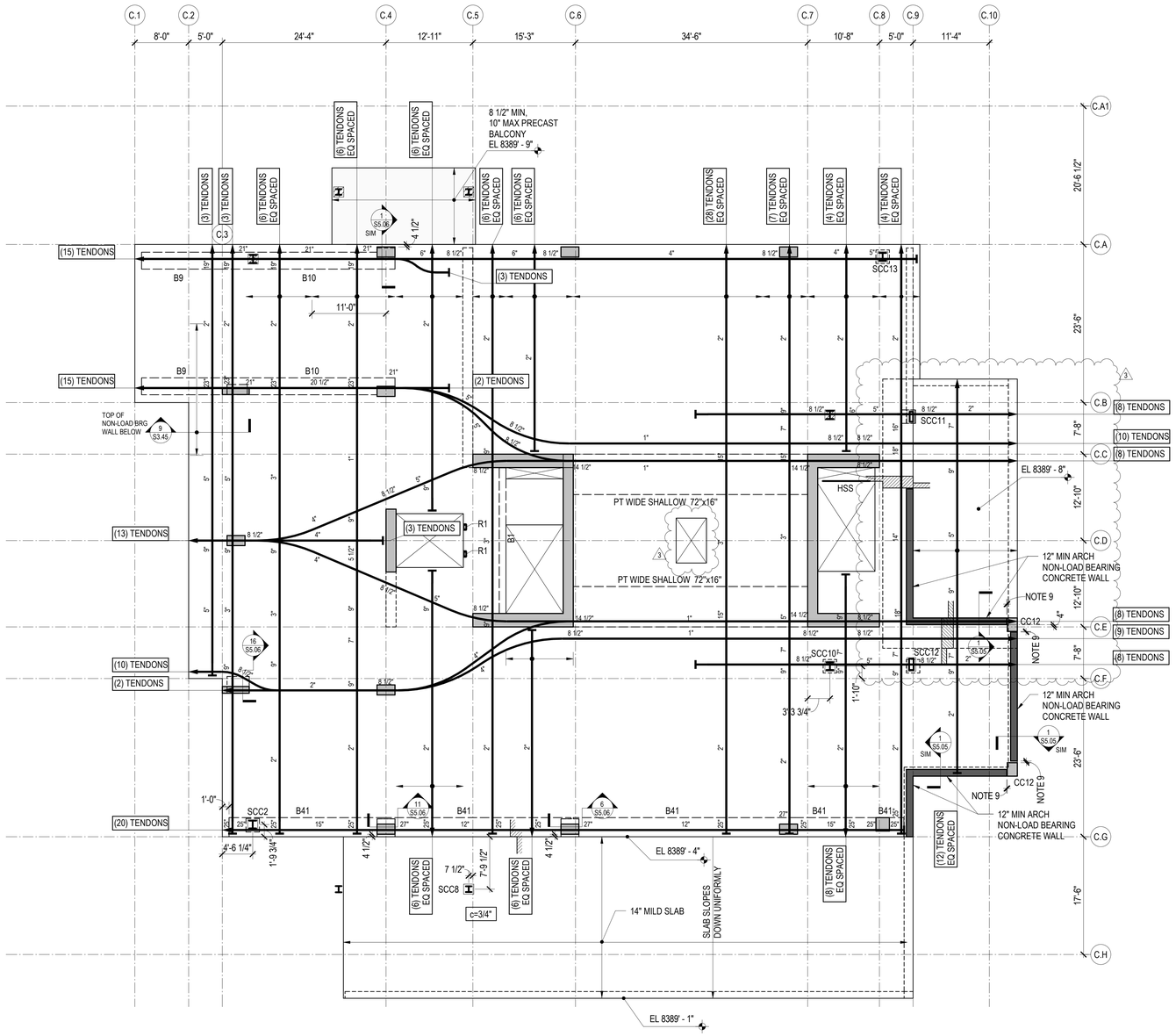
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 ASI-004 | |
| | 04/08/2024 IFC SET 1 OF 3 | |
| | 11/18/2022 95% CD | |

IFC SET 2 OF 3

05/17/2024

TOWER B LEVEL 7 FRAMING PLAN

S2.B.17




## 1 TOWER C - LEVEL 2 FRAMING PLAN

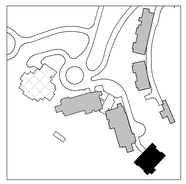
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8390' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8390' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS A 10-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. WHERE NOTED, ARCHITECTURAL CONCRETE WALLS ARE TO MAINTAIN 1" MINIMUM GAP TO PRIMARY STRUCTURAL COLUMNS/WALLS/SLABS.



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checked by
job no. 20052
date 05/17/2024

revisions:

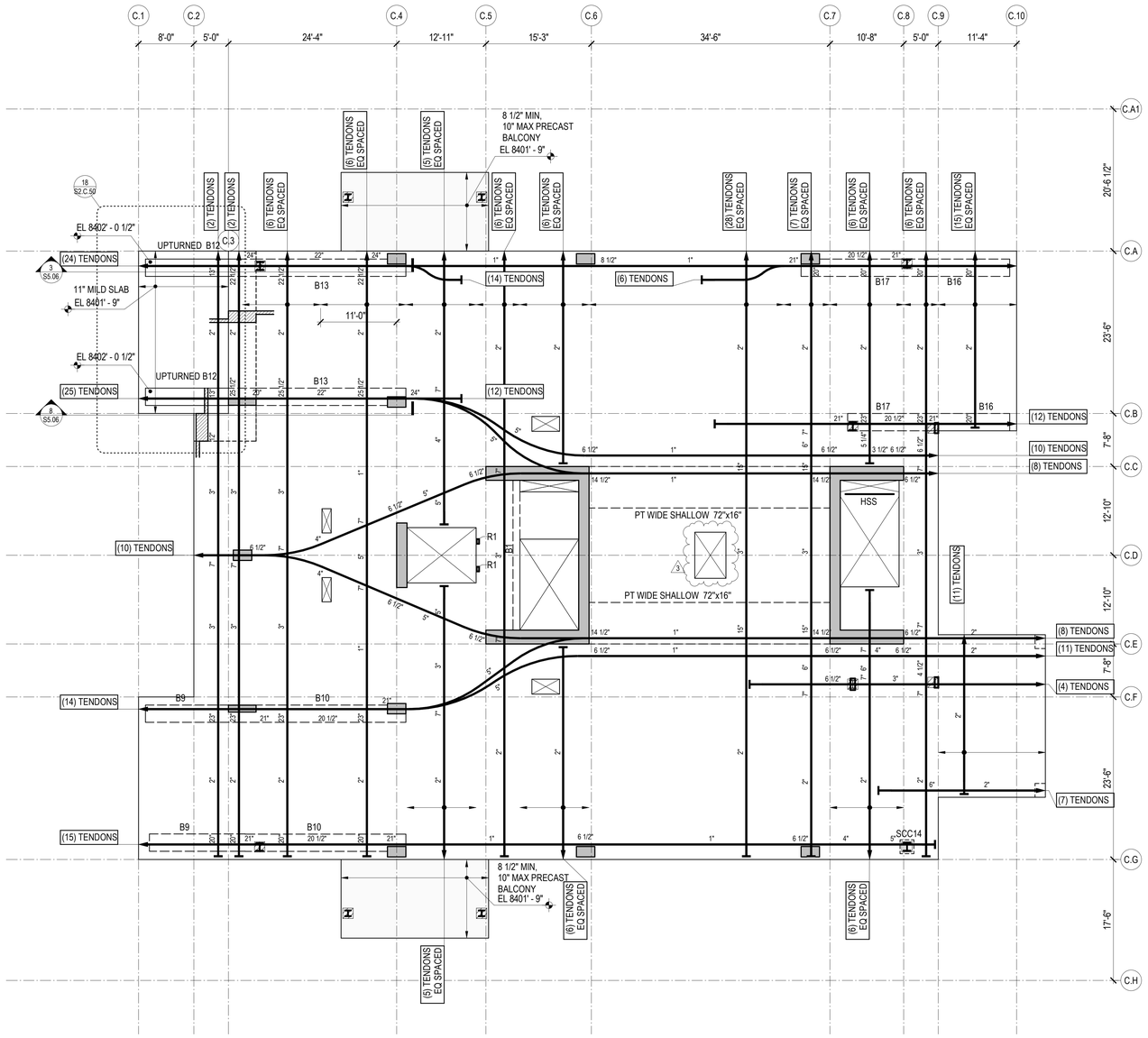
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| 2 | 7/26/2024 | ASI-002 |
| 1 | 05/17/2024 | IFC 2 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

NOT FOR CONSTRUCTION

05/17/2024

TOWER C LEVEL 2
FRAMING PLAN

S2.C.12




# 1 TOWER C - LEVEL 3 FRAMING PLAN

1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8402' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8402' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMN DIVIDED BY 1.4.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.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project manager
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checked by
job no. 20052
date 05/17/2024

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| 3 | 8/19/2024 | ASI-004 |
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| | 11/18/2022 | 95% CD |

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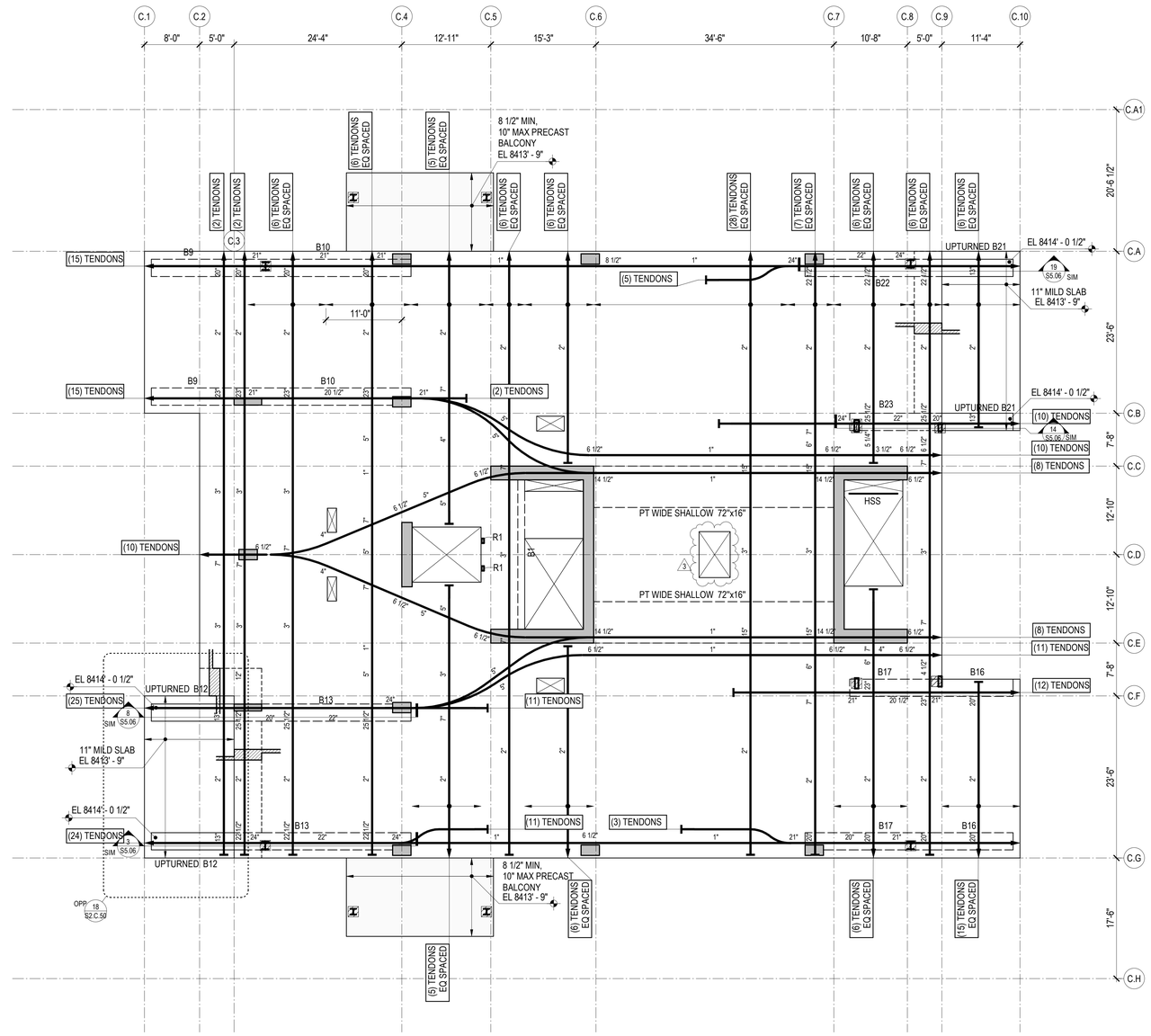
TOWER C LEVEL 3
FRAMING PLAN

S2.C.13




## 1 TOWER C - LEVEL 4 FRAMING PLAN

1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8414' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8414' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMN DIVIDED BY 1.4.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.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| 3 | 8/19/2024 | ASI-004 |
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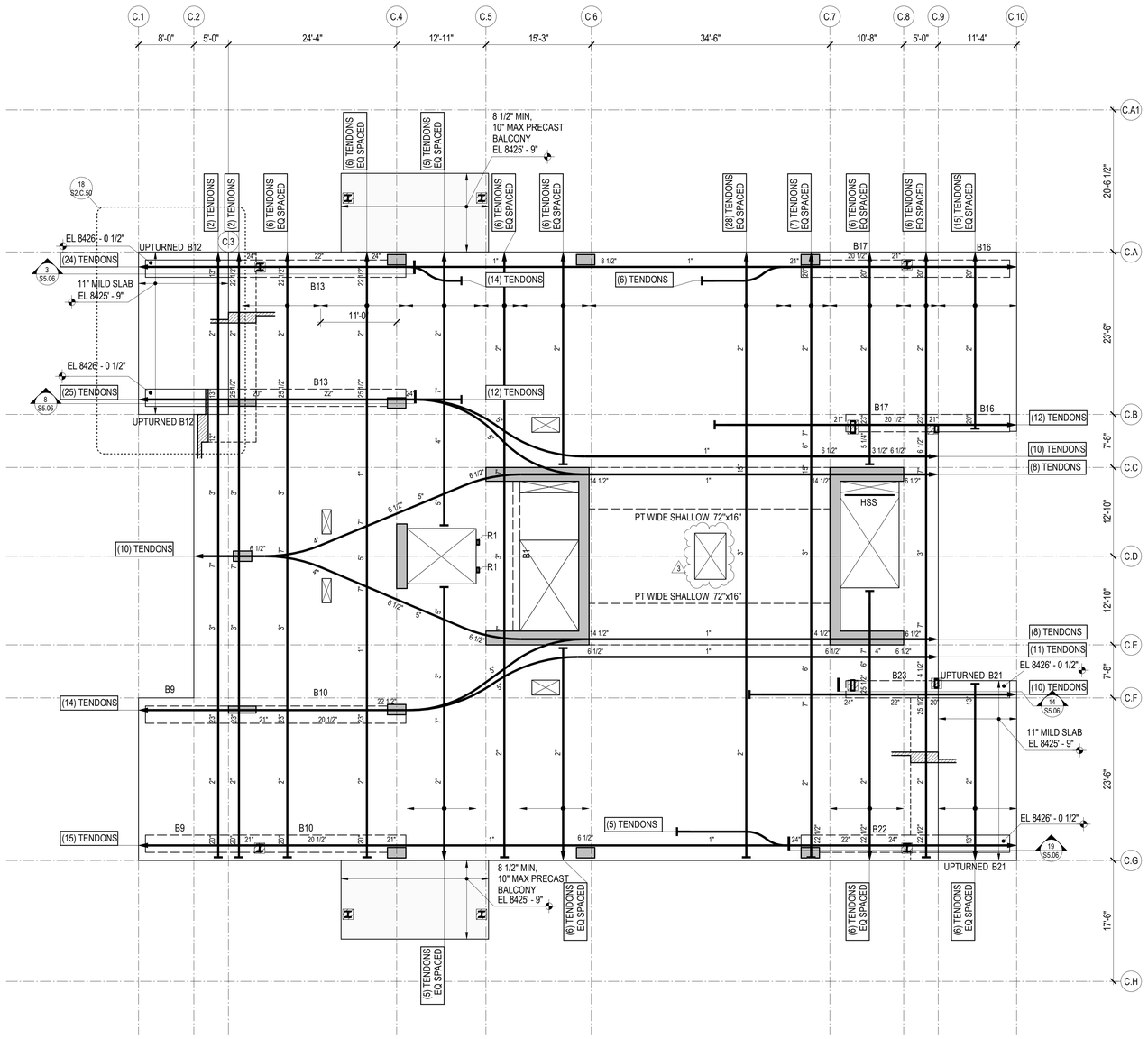
TOWER C LEVEL 4 FRAMING PLAN

S2.C.14




## 1 TOWER C - LEVEL 5 FRAMING PLAN

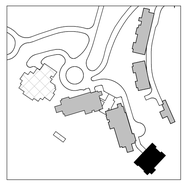
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8426' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8426' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMN DIVIDED BY 1.4.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.

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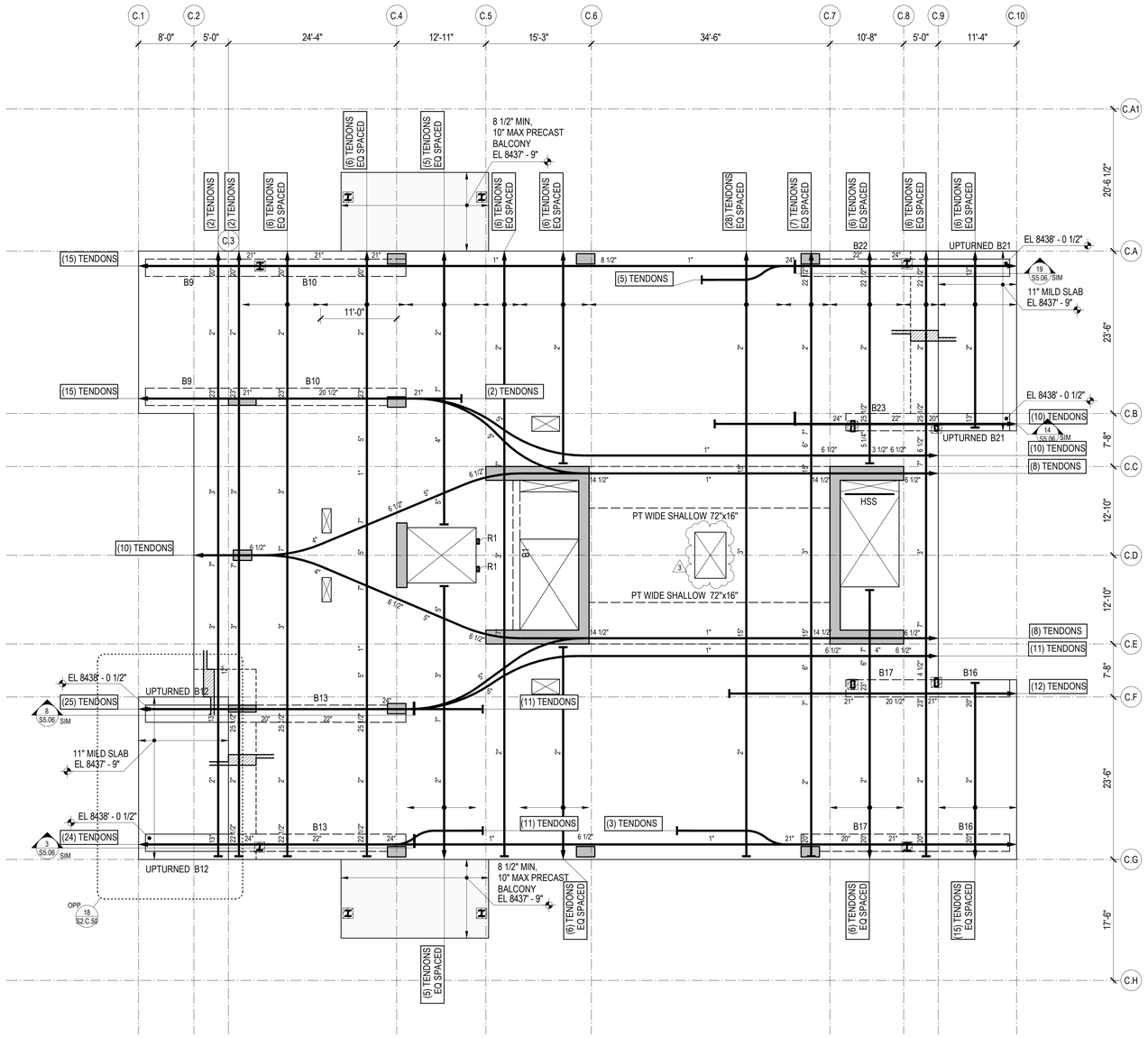
TOWER C LEVEL 5 FRAMING PLAN

S2.C.15




## 1 TOWER C - LEVEL 6 FRAMING PLAN

1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8438' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8438' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. [ ] INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.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principal architect
project manager
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| 3 | 8/19/2024 | ASI-004 |
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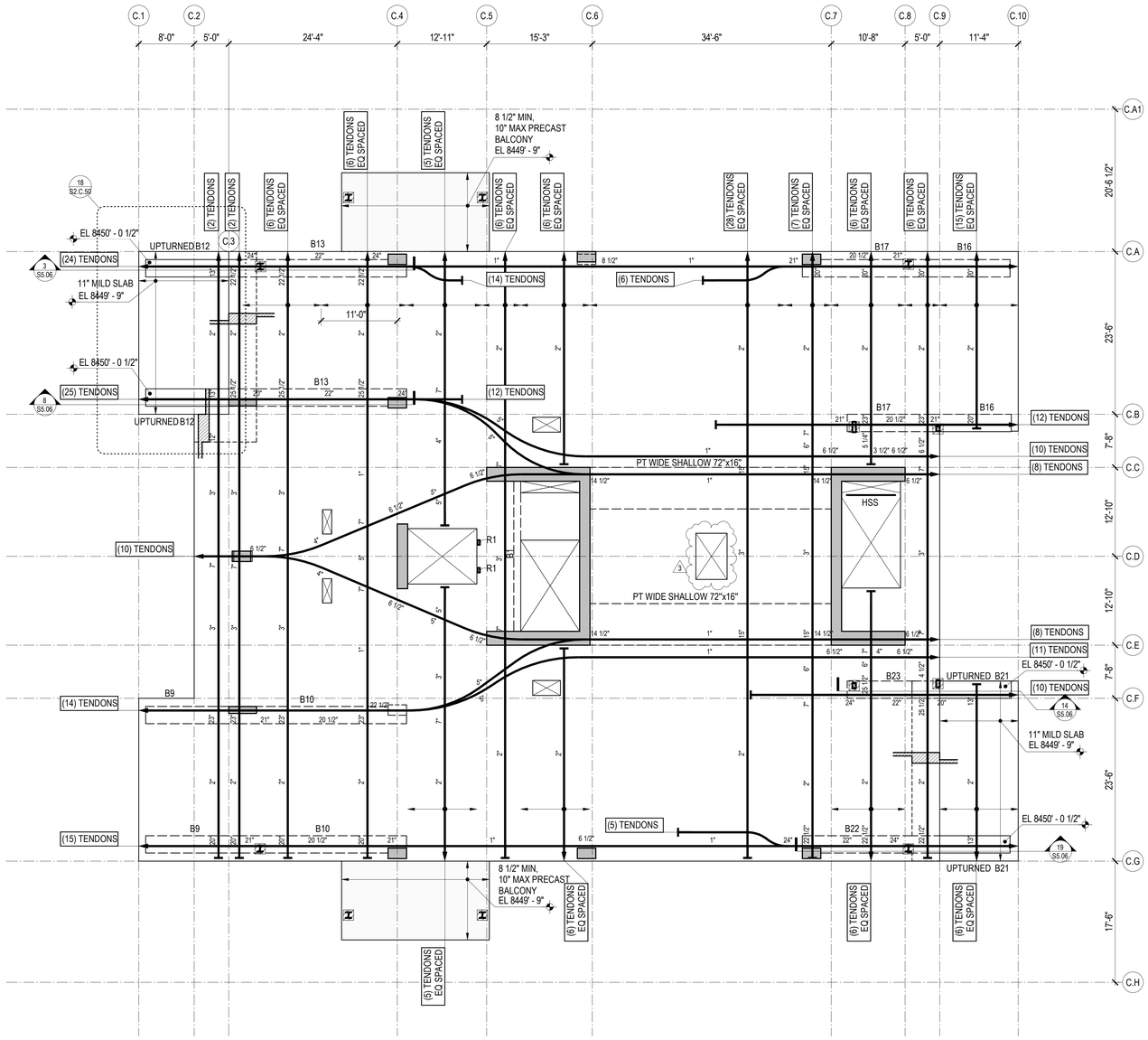
TOWER C LEVEL 6 FRAMING PLAN

S2.C.16




## 1 TOWER C - LEVEL 7 FRAMING PLAN

1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8450' - 6". TOP OF STRUCTURAL CONCRETE SLAB IS 8450' - 5", UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS AN 8-INCH THICK UNBONDED POST-TENSIONED TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE TYPICAL POST-TENSIONED SLAB DETAILS FOR ADDITIONAL INFORMATION.
3. THE MINIMUM NUMBER OF REQUIRED POST-TENSIONING TENDONS IS SHOWN ON THE DRAWINGS. FINAL COUNT, LAYOUT, AND LIVE END LOCATION IS PER DEFERRED DESIGN-BUILD SUBMITTAL PROVIDED BY THE CONTRACTOR.
4. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
5. CONCRETE PLACED IN THE SLAB/COLUMN INTERSECTION SHALL HAVE MINIMUM CONCRETE STRENGTH AS SHOWN IN THE GENERAL NOTES, BUT NO LESS THAN THAT SPECIFIED FOR THE COLUMNS DIVIDED BY 1.4.
6. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING THE SLAB.
7. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE "TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE" DETAILS FOR OPENING PLACEMENT CRITERIA. NOTIFY THE STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
8. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, AND EDGE ANGLES. REINFORCE PER THE TYPICAL DETAILS.
9. [ ] INDICATES TYPICAL BUILT-UP SLAB ON RIGID FOAM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND ELEVATIONS OF ARCHITECTURAL BUILT-UP SLABS. SEE TYPICAL BUILT-UP SLAB DETAIL FOR ADDITIONAL INFORMATION.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date 05/17/2024

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| | 11/18/2022 | 95% CD |

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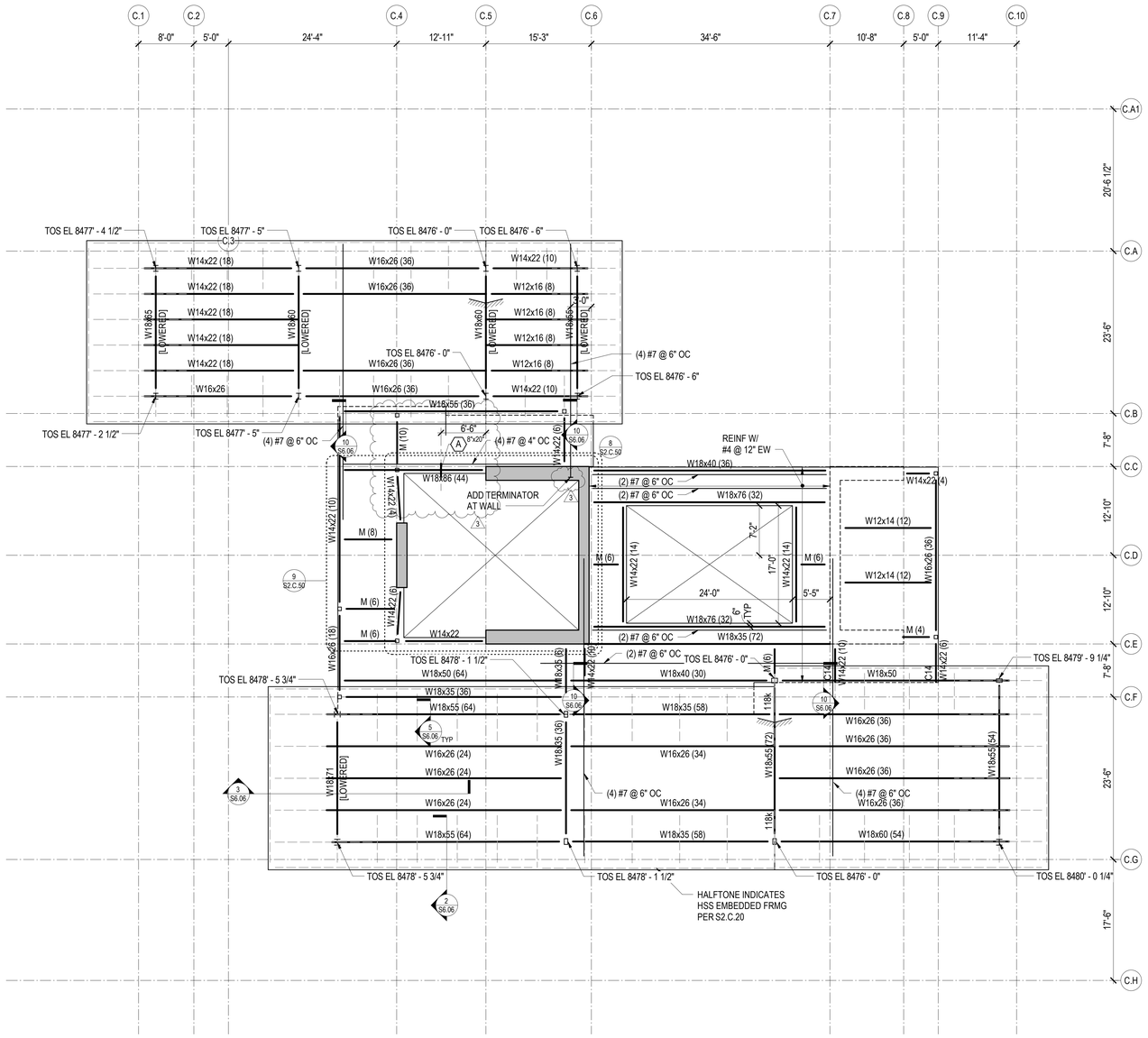
05/17/2024

TOWER C LEVEL 7 FRAMING PLAN

S2.C.17




## 1 TOWER C - ROOF LEVEL FRAMING PLAN

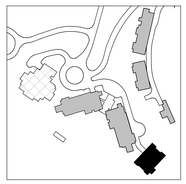
1/8" = 1'-0"

**REFERENCE DRAWINGS**

S0.XX DRAWING INDEX, ABBREVIATIONS, LEGENDS, GENERAL NOTES
S1.XX LOAD DIAGRAMS
S2.XX PLANS
S3.XX ELEVATIONS
S4.XX TYPICAL DETAILS AND SCHEDULES
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES:

1. REFERENCE FLOOR ELEVATION IS 8475' - 0". TOP OF SLAB ON STEEL DECK IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS 3 INCHES OF LIGHTWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK UNLESS NOTED OTHERWISE. REINFORCE WITH WWR 6x6-W2.9xW2.9. SEE TYPICAL SLAB ON STEEL DECK DETAILS FOR REINFORCING AND OTHER INFORMATION. REINFORCING SHOWN ON THE PLAN AND IN THE TYPICAL DETAILS IS IN ADDITION TO THIS REINFORCING.
3. REFERENCE TOP OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK UNLESS NOTED OTHERWISE.
4. STEEL SLOPES UNIFORMLY BETWEEN GIVEN TOP OF STEEL ELEVATIONS. WHERE BEAMS OR BEAMS AND COLUMNS INTERSECT, MATCH TOP OF STEEL UNLESS NOTED OTHERWISE.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING SLABS AND WALLS.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE 'TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE,' 'TYPICAL ROOF DECK OPENINGS,' AND 'TYPICAL COMPOSITE DECK OPENINGS' DETAILS FOR OPENING PLACEMENT CRITERIA AND REINFORCING OR FRAMING REQUIREMENTS. NOTIFY STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, EDGE ANGLES, AND SLAB PENETRATIONS. REINFORCE PER TYPICAL DETAILS.



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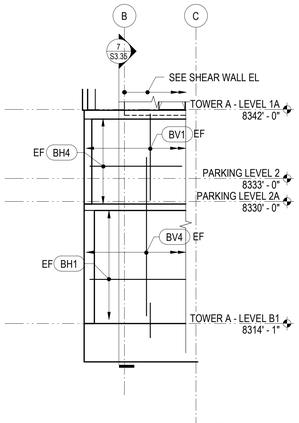
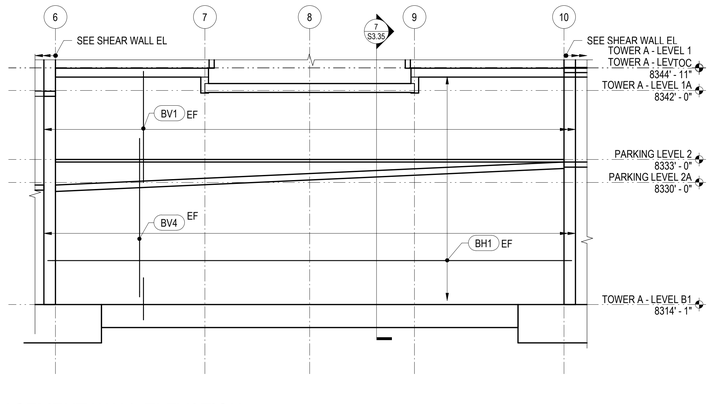
TOWER C ROOF LEVEL FRAMING PLAN

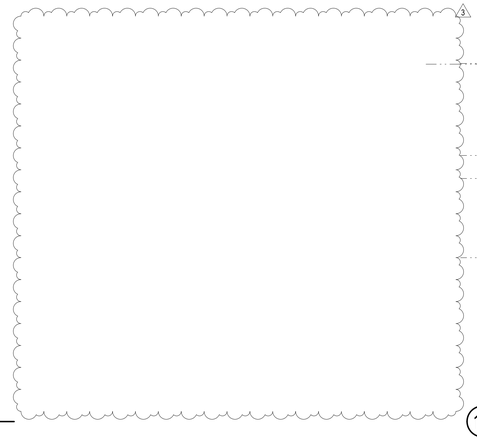
S2.C.19

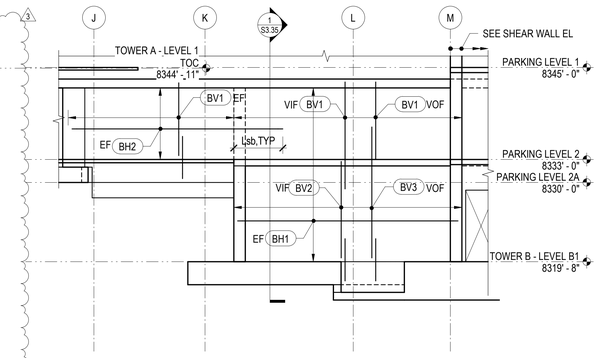



## 8 BASEMENT WALL ELEVATION
1/8" = 1'-0"

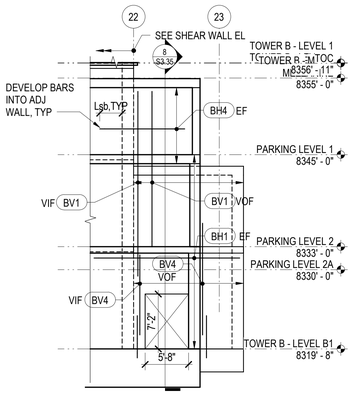



## 9 BASEMENT WALL ELEVATION
1/8" = 1'-0"

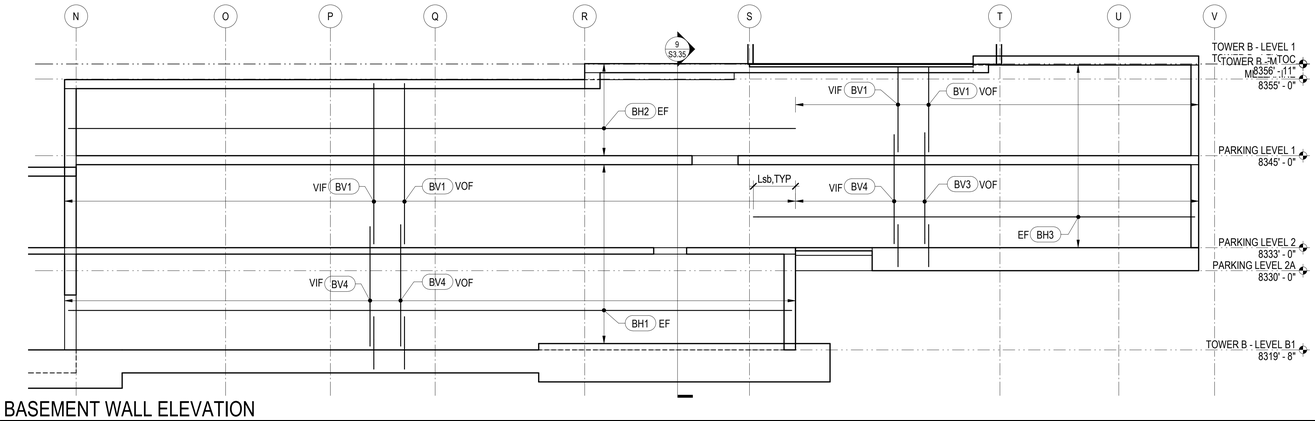


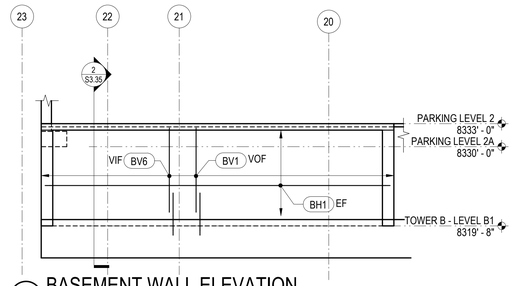

## 11 BASEMENT WALL ELEVATION
1/8" = 1'-0"



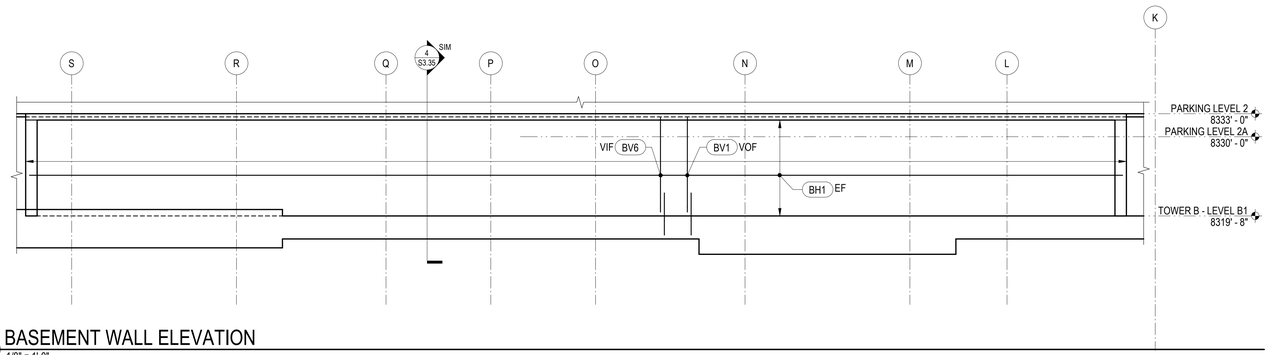

## 12 BASEMENT WALL ELEVATION
1/8" = 1'-0"



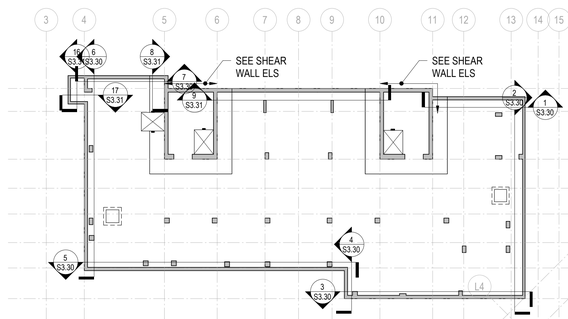

## 13 BASEMENT WALL ELEVATION
1/8" = 1'-0"

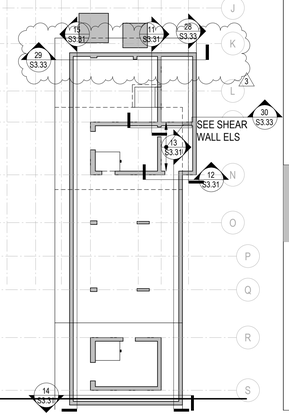


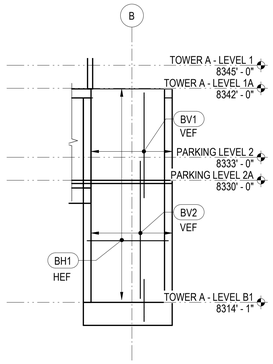

## 14 BASEMENT WALL ELEVATION
1/8" = 1'-0"



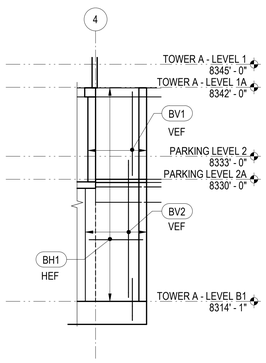

## 15 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 16 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 17 BASEMENT WALL ELEVATION
1/8" = 1'-0"

**BASEMENT WALL VERTICAL REINFORCEMENT**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| BV1 | #6 @ 12" | |
| BV2 | #7 @ 12" | |
| BV3 | #8 @ 12" | |
| BV4 | #7 @ 6" | |
| BV5 | #8 @ 6" | |
| BV6 | #9 @ 6" | |

**BASEMENT WALL HORIZONTAL REINFORCEMENT**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| BH1 | #5 @ 12" | |
| BH2 | #4 @ 12" | |
| BH3 | #4 @ 10" | |
| BH4 | #7 @ 12" | |

## LEVEL B1 - KEY PLAN

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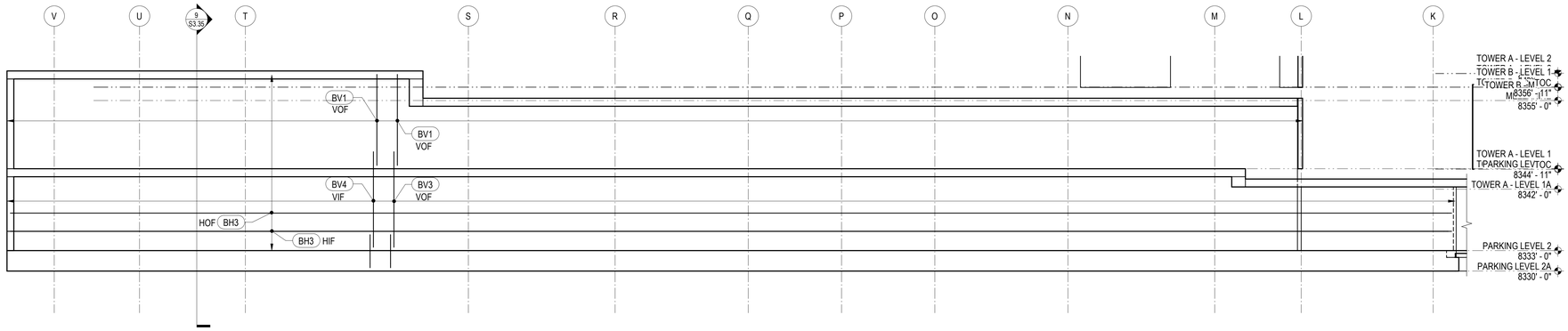
IFC SET 2 OF 3

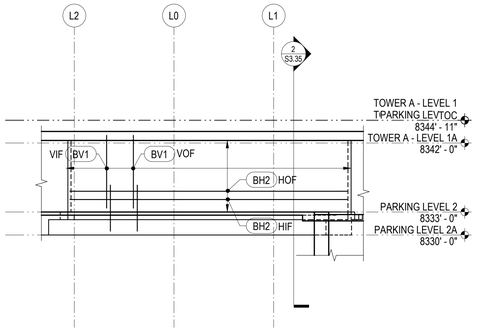
05/17/2024

TOWER A & B
BASEMENT WALL
ELEVATIONS

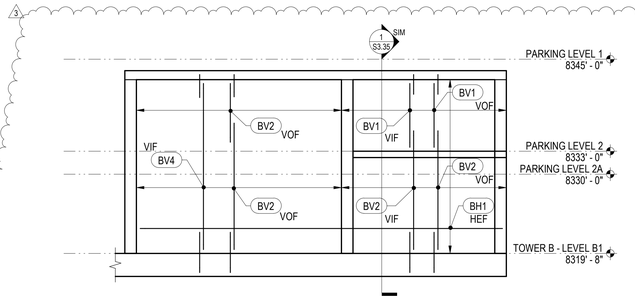
S3.31



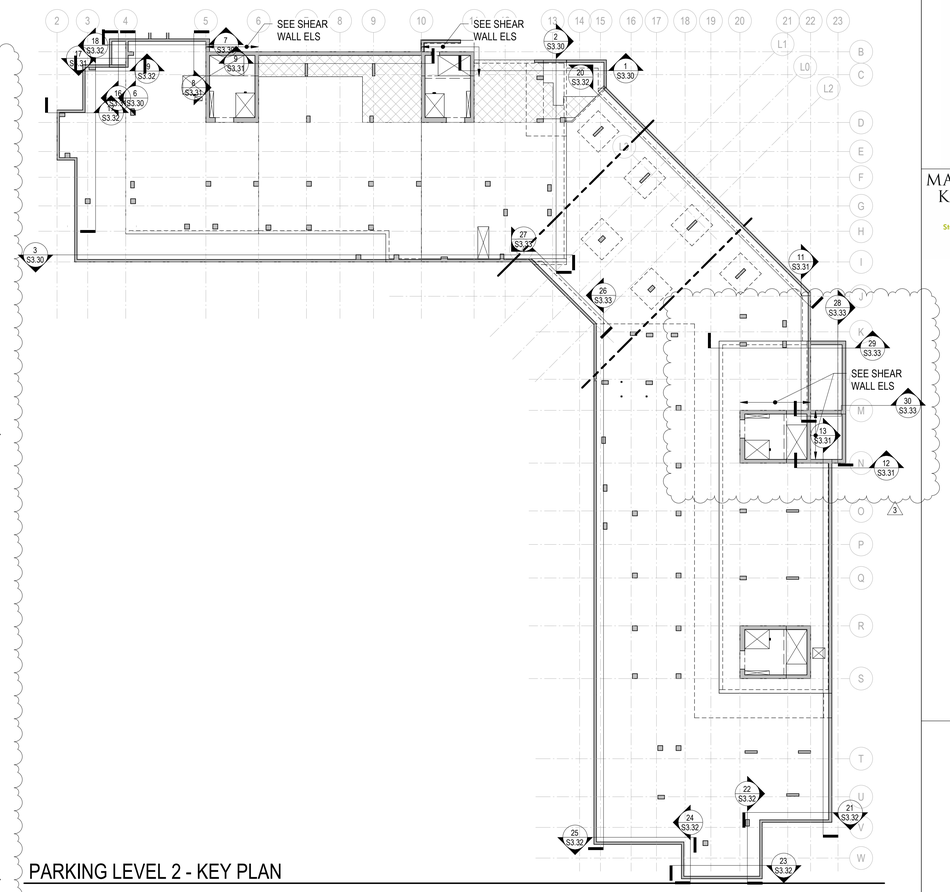

## 26 BASEMENT WALL ELEVATION
1/8" = 1'-0"



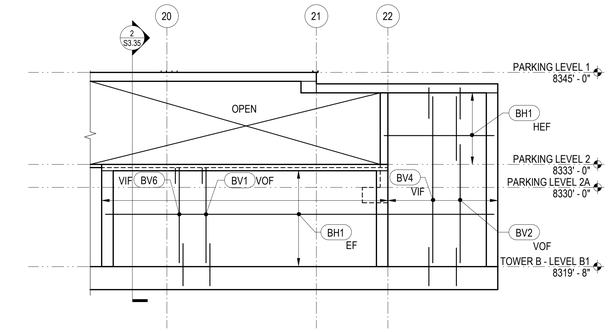

## 27 BASEMENT WALL ELEVATION
1/8" = 1'-0"



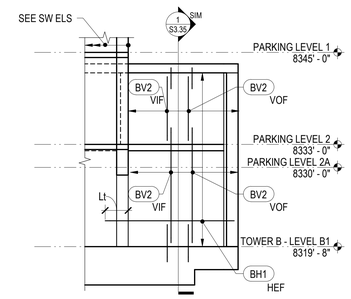

## 28 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## PARKING LEVEL 2 - KEY PLAN




## 29 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 30 BASEMENT WALL ELEVATION
1/8" = 1'-0"

**BASEMENT WALL VERTICAL REINFORCEMENT**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| BV1 | #6 @ 12" | |
| BV2 | #7 @ 12" | |
| BV3 | #8 @ 12" | |
| BV4 | #7 @ 6" | |
| BV5 | #8 @ 6" | |
| BV6 | #9 @ 6" | |

**BASEMENT WALL HORIZONTAL REINFORCEMENT**

| MARK | REINFORCING | REMARKS |
|---|---|---|
| BH1 | #5 @ 12" | |
| BH2 | #4 @ 12" | |
| BH3 | #4 @ 10" | |
| BH4 | #7 @ 12" | |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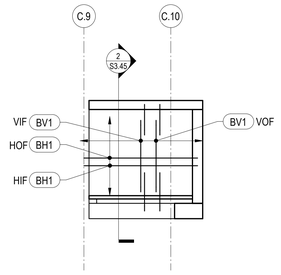
IFC SET 2 OF 3

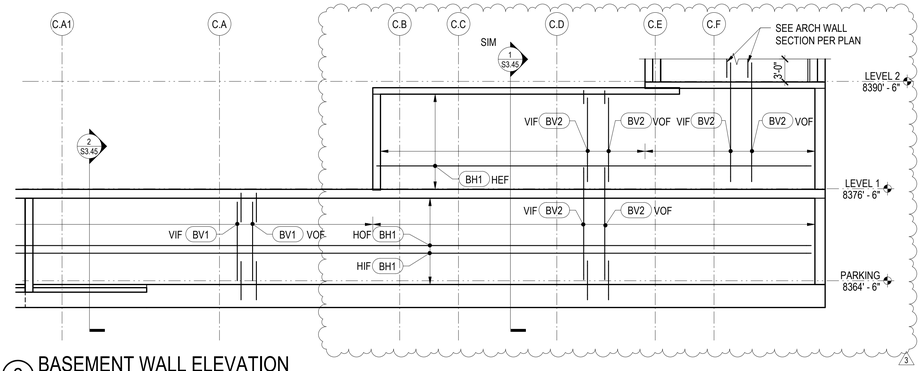
05/17/2024

TOWER A & B
BASEMENT WALL
ELEVATIONS

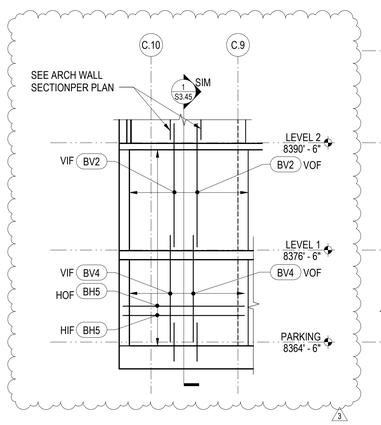
S3.33



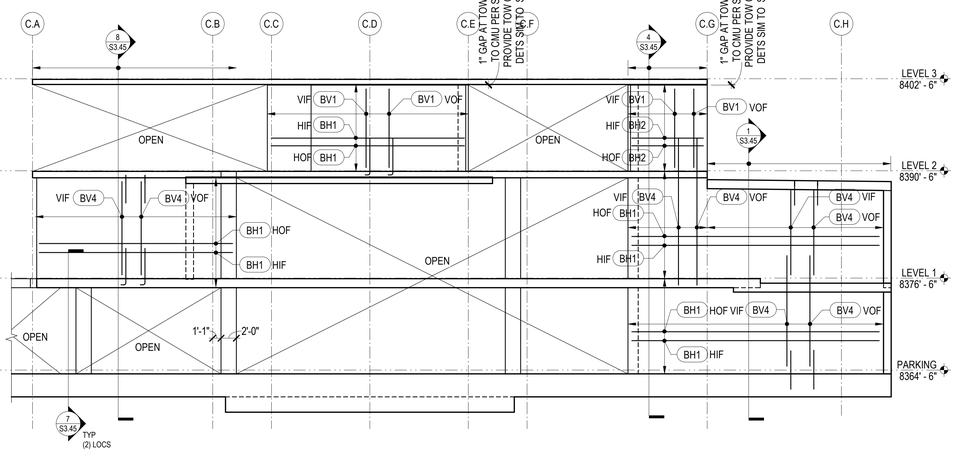

## 1 BASEMENT WALL ELEVATION
1/8" = 1'-0"



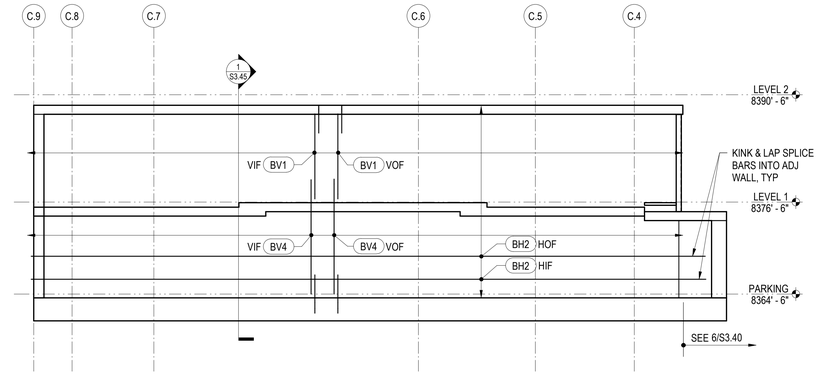

## 2 BASEMENT WALL ELEVATION
1/8" = 1'-0"



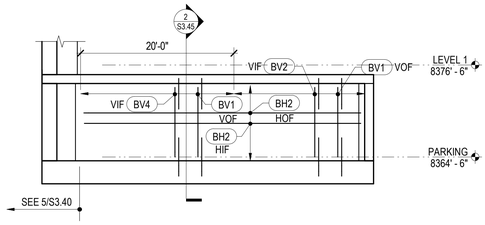

## 3 BASEMENT WALL ELEVATION
1/8" = 1'-0"



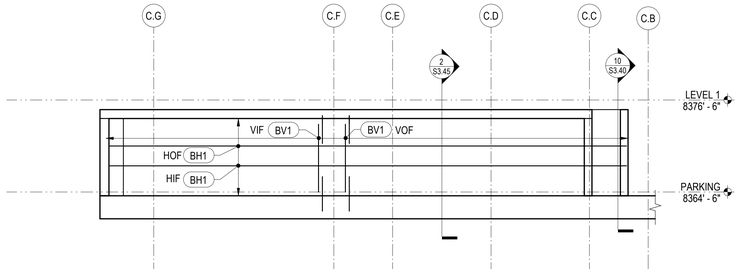

## 4 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 5 BASEMENT WALL ELEVATION
1/8" = 1'-0"



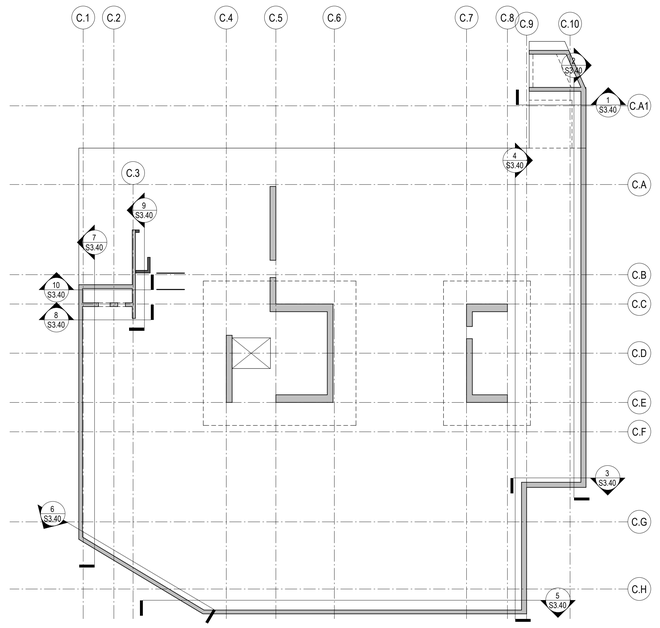

## 6 BASEMENT WALL ELEVATION
1/8" = 1'-0"



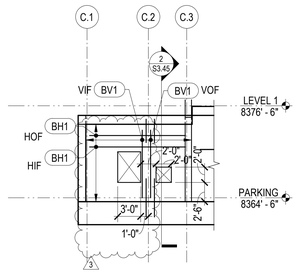

## 7 BASEMENT WALL ELEVATION
1/8" = 1'-0"

| BASEMENT WALL HORIZONTAL REINFORCEMENT | | |
|---|---|---|
| MARK | REINFORCING | REMARKS |
| BH1 | #5 @ 12" | |
| BH2 | #4 @ 12" | |
| BH5 | #7 @ 6" | |

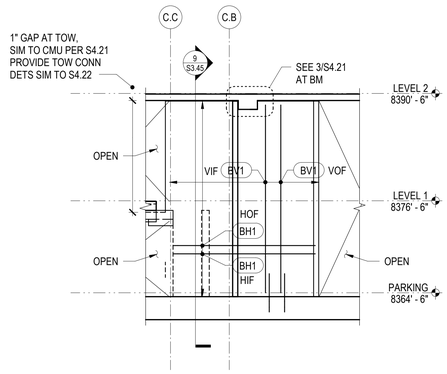
| BASEMENT WALL VERTICAL REINFORCEMENT | | |
|---|---|---|
| MARK | REINFORCING | REMARKS |
| BV1 | #6 @ 12" | |
| BV2 | #7 @ 12" | |
| BV4 | #7 @ 6" | |



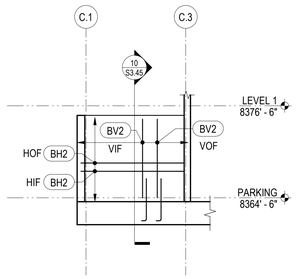

## TOWER C - BASEMENT WALL ELEVATION KEY PLAN




## 8 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 9 BASEMENT WALL ELEVATION
1/8" = 1'-0"




## 10 BASEMENT WALL ELEVATION
1/8" = 1'-0"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IFC SET 2 OF 3

05/17/2024

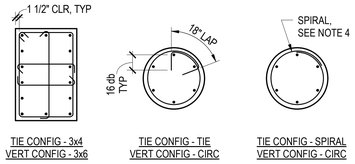
TOWER C
BASEMENT WALL ELEVATIONS

S3.40

| 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:

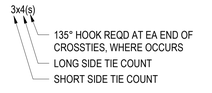
1. TYPICAL CROSSTIES SHALL HAVE A 135 DEGREE HOOK AT ONE END AND A 90 DEGREE HOOK AT THE OTHER END UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, 135 DEGREE HOOKS MAY BE REPLACED WITH 180 DEGREE HOOKS AND 90 DEGREE HOOKS MAY BE REPLACED WITH 135 OR 180 DEGREE HOOKS.
2. CROSSTIES WITH 90 DEGREE HOOKS 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.



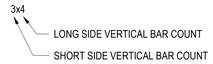

TIE CONFIG - 3x4 VERT CONFIG - 3x6 | TIE CONFIG - TIE VERT CONFIG - CIRC | TIE CONFIG - SPIRAL VERT CONFIG - CIRC

## SAMPLE CONFIGURATIONS

TIE CONFIGURATION KEY:

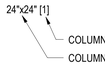



VERTICAL REINF CONFIGURATION KEY:




## 1 CONCRETE COLUMN TYPES

CONCRETE COLUMN SCHEDULE KEY:



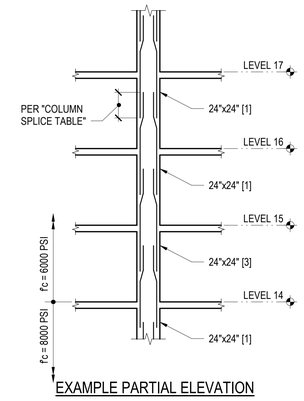

NOTES:

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" .

| 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] |

COLUMN SIZE, TYPE & SPLICE LENGTH

EXAMPLE PARTIAL CONCRETE COLUMN SCHEDULE




EXAMPLE PARTIAL ELEVATION

## 3 CONCRETE COLUMN SCHEDULE NOTES AND SAMPLE COLUMN SPECIFICATIONS

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

## 6 TOWER A CONCRETE COLUMN SCHEDULE

| TOWER B CONCRETE COLUMN SCHEDULE | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 7 | | | | | 18"x32" [1] | | | | | | | | | | | | | | | | |
| | LEVEL 6 | | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 5 | | | | | | | | | | | | | | | | | | | | | |
| | LEVEL 4 | | | | | | | | | | | | | | | | | | | | | |
| f'c = 6,000 PSI | 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 | | | | | | | | | | | | | | | | | | | | | |
| | COLUMN MARK | BC1 | BC2 | BC3 | BC4 | BC5 | BC6 | BC7 | BC8 | BC9 | BC10 | BC11 | BC12 | BC13 | BC14 | BC15 | BC16 | BC17 | BC18 | BC19 | BC20 | BC21 |

## 11 TOWER B CONCRETE COLUMN SCHEDULE

| TOWER C CONCRETE COLUMN SCHEDULE | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LEVEL 8 | 18"x32" [11] | | | 18"x32" [11] | | | 18"x32" [11] | | | 18"x32" [14] | | | |
| | LEVEL 7 | | | | | | | | | | | | | |
| | LEVEL 6 | | | | | | | | | | | | | |
| | LEVEL 5 | | | | | | | | | | | | | |
| f'c = 6,000 PSI | 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 | | | | | | | | | | | | | |
| | COLUMN MARK | CC1 | CC2 | CC3 | CC4 | CC5 | CC6 | CC7 | CC8 | CC9 | CC10 | CC11 | CC12 | CC13 |

## 16 TOWER C CONCRETE COLUMN SCHEDULE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MAGNUSSON KLEMENCIC ASSOCIATES
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Seattle Chicago
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project:
SOMMET BLANC - ABC
DEER VALLEY, UTAH

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

revisions:

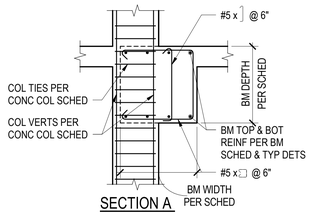
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| 1 | 05/17/2024 | IFC 2 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

COLUMN SCHEDULES

S4.00

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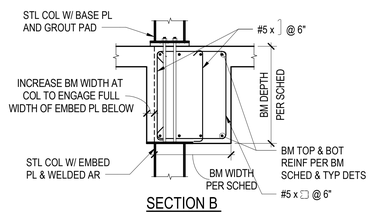


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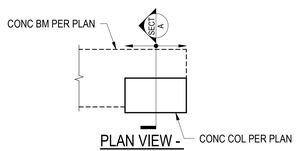
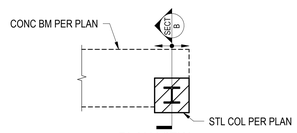



PLAN VIEW - ECCENTRIC BEAM AT CONCRETE COLUMN




PLAN VIEW - ECCENTRIC BEAM AT STEEL COLUMN

## 1 ECCENTRIC BEAM AT COLUMN

NOTES:

1. AT CONTRACTOR'S OPTION, WHERE REQUIRED TO RELIEVE BAR CONGESTION, NOT MORE THAN 50 PERCENT OF THE AREA OF THE STRAIGHT BOTTOM BARS MAY BE TERMINATED AS SHOWN UNLESS NOTED OTHERWISE.
2. BEAM SCHEDULES DO NOT INDICATE REQUIREMENTS FOR ARRANGING BARS. THE CONTRACTOR SHALL DETAIL AND PLACE REINFORCING STEEL IN A SINGLE LAYER WHENEVER POSSIBLE. A SECOND LAYER MAY BE USED ONLY WHERE REQUIRED TO PROVIDE PROPER CLEARANCES BETWEEN BARS IN A LAYER AND WHERE REQUIRED IN ORDER TO PROPERLY CLEAR COLUMN VERTICALS AND SIMILAR REINFORCING.
3. EITHER 90 OR 180 DEGREE STANDARD HOOK BARS MAY BE USED FOR LONGITUDINAL BARS.
4. WHERE TOP BARS ARE INDICATED AS CONTINUOUS AND RUN OVER 60 FEET IN LENGTH, BARS MAY BE LAPPED Ld IN THE MIDDLE THIRD OF THE BEAM SPAN UNLESS NOTED OTHERWISE. CONTINUOUS TOP BARS SHALL NOT BE LAPPED IN THE SPAN ADJACENT TO A CANTILEVER, UNLESS NOTED OTHERWISE. WHERE BOTTOM BARS ARE SHOWN AS CONTINUOUS AND RUN IN EXCESS OF 60 FEET, A LAP SPLICE MAY BE USED EQUAL TO Lsb AND SHALL BE OUTSIDE THE MIDDLE THIRD OF THE BEAM SPAN. SIDE BAR SPLICES MAY BE MADE WHERE CONVENIENT.
5. LOCATE ALL CONSTRUCTION JOINTS WITHIN THE MIDDLE THIRD OF SPAN. JOINTS SHALL BE OFFSET AT A MINIMUM DISTANCE OF TWO TIMES THE WIDTH OF INTERSECTING BEAMS. SUBMIT LOCATION OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE FORMING.
6. ALL BARS IN SAME LAYER UNLESS NOTED OTHERWISE.

## 3 TYPICAL CONCRETE BEAM NOTES

**CONCRETE BEAM SCHEDULE**

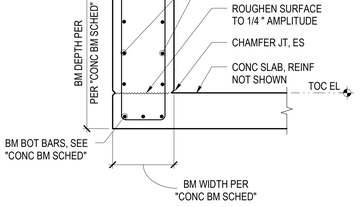
| MARK | SIZE (WIDTHxDEPTH) | CAMBER | BOTTOM BARS | TOP BARS LEFT | TOP BARS CONTINUOUS | TOP BARS RIGHT | STIRRUPS LEFT | STIRRUPS CONTINUOUS | STIRRUPS RIGHT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| B1 | 12"x18" | | (2) #7 | (2) #7 | (2) #7 | (2) #7 | | #4 @ 6" [2C] | | |
| B2 | 24"x24" | | (3) #8 | | (7) #8 | | | #5 @ 9" [2C] | | SEE 1/S4.03 |
| B3 | 24"x24" | | (4) #8 | (4) #8 | (3) #8 | (4) #8 | | #5 @ 9" [2C] | | SEE 1/S4.03 |
| B5 | 24"x22" MIN | | (3) #8 | | (9) #9 | | | #5 @ 9" [2C] | | SEE SECTION PER PLAN FOR DEPTH;SEE 1/S4.03 |
| B6 | 24"x26 1/2" | | (3) #8 | (5) #9 | (4) #9 | (5) #9 | | #5 @ 9" [2C] | | SEE SECTION PER PLAN FOR DEPTH;SEE 1/S4.03 |
| B7 | 24"x24" | | (3) #8 | | (10) #9 | | | #5 @ 9" [3C] | | SEE 1/S4.03 |
| B8 | 24"x24" | | (8) #10 | (5) #10 | (5) #10 | (5) #10 | | #6 @ 5" [3C] | | SEE 1/S4.03 |
| B9 | 30"x24" | | (4) #7 | | (7) #9 | | | #5 @ 9" [3C] | | ADD (2) #4 SIDE BAR EA SIDE; SEE 1/S4.03 |
| B10 | 30"x24" | | (4) #7 | | (7) #9 | | | #5 @ 9" [3C] | | ADD (3) #4 SIDE BAR EA SIDE;SEE 1/S4.03 |
| B12 | 30"x22" MIN | | (4) #7 | | (9) #10 | | | #5 @ 9" [3C] | | ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH; SEE 1/S4.03 |
| B13 | 30"x26 1/2" | | (5) #7 | | (10) #10 | | | #5 @ 9" [3C] | | ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH; SEE 1/S4.03 |
| B16 | 30"x24" | | (4) #7 | | (6) #8 | | | #5 @ 6" [3C] | | ADD (3) #5 SIDE BAR EA SIDE; SEE 1/S4.03 |
| B17 | 30"x24" | | (4) #7 | | (9) #8 | | | #4 @ 9" [4C] | | ADD (3) #4 SIDE BAR EA SIDE;SEE 1/S4.03 |
| B21 | 30"x22" MIN | | (4) #7 | | (10) #10 | | | #6 @ 6" [3C] | | ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH; SEE 1/S4.03 |
| B22 | 30"x26 1/2" | | (6) #8 | | (10) #10 | | | #6 @ 6" [3C] | | ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH; SEE 1/S4.03 |
| B23 | 30"x26 1/2" | | (4) #7 | | (8) #9 | | | #5 @ 8" [3C] | | ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH; SEE 1/S4.03 |
| B26 | 30"x30" | | (3) #7 | | (4) #7 | | | #5 @ 9" [3C] | | SEE 1/S4.03 |
| B27 | 30"x30" | | (3) #7 | | (4) #7 | | | #6 @ 6" [2C] | | SEE 1/S4.03 |
| B28 | 18"x24" | | (3) #7 | | (3) #7 | | | #5 @ 5" [2C] | | |
| B29 | 30"x24" | | (4) #7 | | (6) #8 | | | #5 @ 9" [2C] | | SEE 1/S4.03 |
| B30 | 30"x24" | | (4) #7 | | (9) #8 | | | #5 @ 10" [2C] | | SEE 1/S4.03 |
| B33 | 24"x32" | | (4) #8 | | (3) #7 | | | #5 @ 14" [2C] | | |
| B34 | 24"x24" | | (4) #8 | | (4) #8 | | | #5 @ 10" [2C] | | SEE 1/S4.03 |
| B35 | 24"x24" | | (5) #8 | | (5) #8 | | | #5 @ 10" [2C] | | SEE 1/S4.03 |
| B37 | 18"x32" | | (3) #7 | | (3) #7 | | | #5 @ 5" [2C] | | |
| B38 | 24"x32" | | (4) #7 | | (4) #8 | | | #5 @ 14" [2C] | | |
| B39 | 24"x32" | | (4) #8 | | (4) #8 | | | #5 @ 9" [3C] | | |
| B40 | 24"x32" | | (6) #9 | | (4) #8 | | | #5 @ 9" [3C] | | |
| B41 | 34"x30" | | (6) #8 | | (6) #8 | | | #5 @ 9" [3C] | | |
| B42 | 32"x32" | | (4) #9 | | (4) #9 | | | #4 @ 14" [4C] | | |
| B44 | 24"x48" | | (3) #7 | | (3) #7 | | | #4 @ 14" [3C] | | |
| B45 | 24"x48" | | (3) #8 | | (3) #8 | | | #4 @ 14" [3C] | | |
| B46 | 24"x32" | | (3) #8 | | (3) #8 | | | #4 @ 14" [3C] | | |
| B47 | 24"x32" | | (3) #9 | | (5) #9 | | | #4 @ 14" [3C] | | |
| B48 | 24"x50" | | (3) #8 | | (3) #9 | | | #4 @ 14" [3C] | | |
| B49 | 24"x32" | | (3) #9 | | (3) #9 | | | #4 @ 14" [3C] | | |
| B50 | 12"x39" | | (3) #7 | | (3) #7 | | | #4 @ 14" [3C] | | |
| B51 | 18"x32" | | (4) #8 | | (4) #8 | | | #4 @ 10 [4C] | | |
| B52 | 32"x72" | | (14) #11 | (3) #10 | (4) #10 | (3) #10 | | #5 @ 6" [4C] | | |
| B53 | 18"x36" | | (4) #8 | (2) #8 | (3) #8 | (2) #8 | | #5 @ 12" [2C] | | |
| B54 | 24"x32" | | (3) #7 | | (3) #7 | | | #4 @ 14" [3C] | | |
| B56 | 18"x38" | | (3) #9 | | (3) #9 | | | #4 @ 14" [3C] | | |
| B57 | 24"x33" | | (3) #9 | | (3) #9 | | | #4 @ 14" [3C] | | |
| B58 | 30"x36" | | (4) #9 | (3) #7 | (4) #9 | (3) #7 | (13) #5 @ 6" [4C] | #5@ 14" [4C] | (13) #5 @ 6" [3C] | |
| B59 | 24"x62" | | (4) #9 | | (4) #9 | | | #4 @ 12" [4C] | | |
| B61 | 24"x39" | | (6) #10 | | (6) #8 | | | #4 @ 14" [4C] | | |
| B62 | 24"x74" | | (3) #8 | | (3) #8 | | | #4 @ 14" [3C] | | |
| B63 | 24"x72" | | (5) #11 | | (5) #11 | | | #4 @ 14" [3C] | | |
| B64 | 32"x72" | | (8) #11 | | (8) #11 | | | #5 @ 8" [4C] | | |
| B65 | 24"x60" | | (6) #11 | | (6) #9 | | | #5 @ 14" [4C] | | |
| B66 | 24"x74" | | (5) #11 | | (5) #11 | | | #4 @ 14" [3C] | | |
| B67 | 24"x26" | | (3) #8 | | (3) #8 | | | #4 @ 14" [3C] | | |
| B68 | 24"x61" | | (4) #9 | | (4) #9 | | | #4 @ 14" [4C] | | |
| B69 | 30 1/2"x48" | | (4) #11 | | (4) #11 | | | #4 @ 14" [4C] | | |
| B71 | 40"x42" | | (11) #18 | (6) #11 | (6) #11 | (6) #11 | | #6 @ 4" [4C] | | |
| B72 | 60"x42" | | (14) #11 | | (8) #9 | | | #5 @ 6" [7C] | | |
| B73 | 38 1/2"x24" | | (3) #7 | | (3) #8 | | | #5 @ 6" [2C] | | SEE DETAIL 18/S5.05 |
| B74 | 24"x67" | | (5) #9 | | (5) #9 | | | #5 @ 9" [3C] | | |
| B75 | 36"x30" | | (5) #8 | | (6) #10 | | | #6 @ 6" [5C] | | SEE 1/S4.03 |
| B76 | 24"x25" MIN | | (4) #9 | | (4) #8 | | | #5 @ 9" [3C] | | 25" MINIMUM DEPTH; BOTTOM OF BEAM FLAT AT ELEVATION 8373'-9"; TOP OF BEAM STEPS WITH SLAB |
| B77 | 72"x18" | | (6) #6 | | (2) #6 | | | #5 @ 18" [2] | | REINF SIM TO 18/S4.05. SEE PLAN FOR ADDED TOP BAR AT END |
| B78 | 32"x20" | | (4) #9 | | (5) #9 | | | #5 @ 6" [3C] | | |
| B79 | 12" MIN x 33" | | (3) #9 | | (3) #9 | | | #5 @ 6" [2C] | | CLOSED STIRRUPS ARE TO BE CONTINUOUS, NO CAP/TIE PER [2C ALT] ALLOWED. SEE DETAIL 08/S5.02 |

3

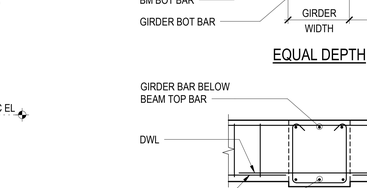
NOTES:

1. SEE "TYPICAL CONCRETE BEAM" DETAIL.
2. [ ] DENOTES TYPE OF REINFORCING CONFIGURATION. SEE "TYPICAL CONCRETE BEAM SECTION AND STIRRUPS" DETAIL FOR STIRRUP TYPE.

## 13 CONCRETE BEAM SCHEDULE



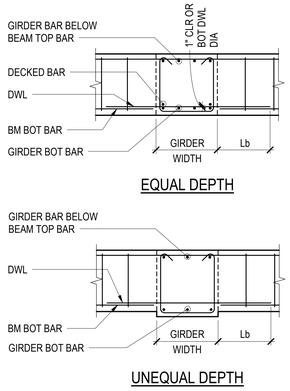

BEAM CONSTRUCTION JOINT




PLAN OF BEAMS




## 16 TYPICAL CONCRETE UPTURNED BEAM

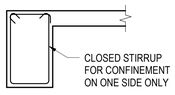



EQUAL DEPTH

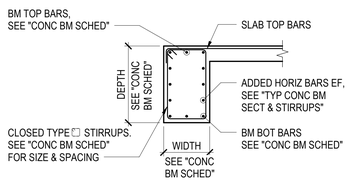



UNEQUAL DEPTH

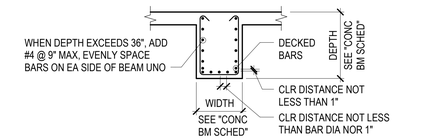
## 17 TYP CONC BM AND GIRDER INTERSECTION



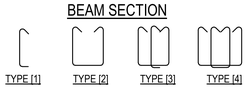

ALTERNATE



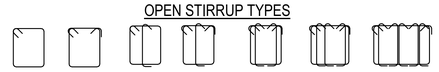

## 18 TYPICAL CONCRETE EDGE BEAM




BEAM SECTION




OPEN STIRRUP TYPES




CLOSED STIRRUP TYPES

NOTES:

1. [ ] DENOTES TYPE OF STIRRUP REINFORCING CONFIGURATION. SEE "CONCRETE BEAM SCHEDULE."

## 19 TYP CONC BEAM SECTION AND STIRRUPS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project:
SOMMET BLANC - ABC
DEER VALLEY, UTAH

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

revisions:

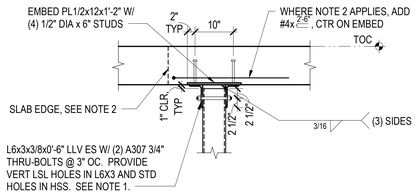
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| 2 | 7/26/2024 | ASI-002 |
| 1 | 05/17/2024 | IFC 2 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TYPICAL CONCRETE BEAM DETAILS AND SCHEDULE

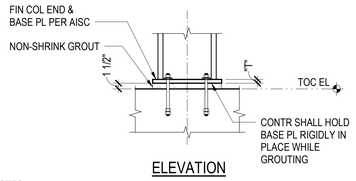
S4.03




NOTES:

1. WHERE NOTE APPLIES, BOLT TO BE CENTERED IN SLOTTED HOLE IN ANGLE. NUTS TO BE FINGER TIGHT. DAMAGE THREADS OF BOLT TO PREVENT BACK-OFF OF NUT.
2. PROVIDE U-BAR REINFORCEMENT PERPENDICULAR TO SLAB EDGE WHERE EMBED IS LOCATED 6" OR LESS FROM ADJACENT OPENING OR SLAB EDGE.

## 1 TYPICAL HSS POST TOP SLIP CONNECTION



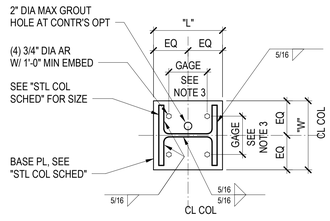

ELEVATION

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND PLATE WASHER SHALL BE SIZED PER "AISC MANUAL - TABLE 14-2", UNLESS NOTED OTHERWISE.
3. ANCHOR ROD GAGE SHALL BE AS FOLLOWS:
   W10: 5 INCHES
   W12: 6 INCHES
   W14: 8 INCHES

CONTRACTOR TO COORDINATE ANCHOR ROD GAGE WITH CONCRETE REINFORCING.

## 2 TYPICAL COLUMN BASE PLATE, TYPE 1

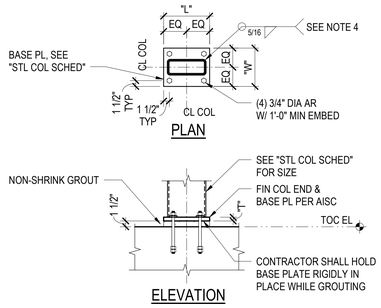



PLAN

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND WASHER DIAMETER SHALL BE SIZED PER "AISC MANUAL-TABLE 14-2" UNLESS NOTED OTHERWISE.
3. DIMENSION "L" IS PARALLEL TO WIDE FACE OF HSS UNLESS NOTED OTHERWISE.
4. WHERE EDGE OF BASE PLATE IS LESS THAN 9/16 INCH FROM THE FACE OF THE HSS, PROVIDE A PARTIAL PENETRATION GROOVE WELD OF THE HSS TO THE BASE PLATE IN LIEU OF FILLET WELD ON THAT FACE OF THE HSS. GROOVE WELD SIZE SHALL BE THE THICKNESS OF THE HSS WALL OR 5/16 INCH, WHICHEVER IS LESS.

## 4 TYPICAL COLUMN BASE PLATE, TYPE 4



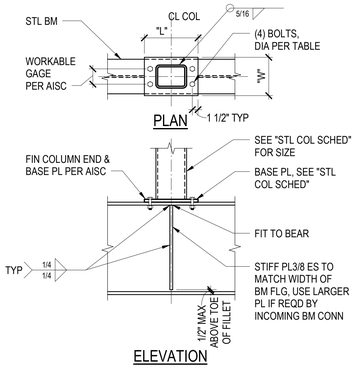

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND WASHER DIAMETER SHALL BE SIZED PER "AISC MANUAL-TABLE 14-2" UNLESS NOTED OTHERWISE.
3. DIMENSION "L" IS PARALLEL TO WIDE FACE OF HSS UNLESS NOTED OTHERWISE.
4. WHERE EDGE OF BASE PLATE IS LESS THAN 9/16 INCH FROM THE FACE OF THE HSS, PROVIDE A PARTIAL PENETRATION GROOVE WELD OF THE HSS TO THE BASE PLATE IN LIEU OF FILLET WELD ON THAT FACE OF THE HSS. GROOVE WELD SIZE SHALL BE THE THICKNESS OF THE HSS WALL OR 5/16 INCH, WHICHEVER IS LESS.

## 9 TYPICAL COLUMN BASE PLATE, TYPE 5

| STEEL COLUMN SLAB PLATE SCHEDULE | | | | | | | |
|---|---|---|---|---|---|---|---|
| TYPE | BASE PLATE | | | EMBED PLATE | | | |
| | T1 | L1 | W1 | T2 | L2 | W2 |
| 1 | - | - | - | 3/4 | 18 | 1'-6" |
| 2 | - | - | - | 1 | 18 | 1'-6" |
| 3 | - | - | - | 1 1/4 | 18 | 1'-6" |
| 4 | - | - | - | 1 1/2 | 18 | 2'-0" |
| 5 | 3/4 | 12 | 1'-0" | 3/4 | 18 | 1'-6" |
| 6 | 3/4 | 12 | 1'-0" | 1 1/4 | 18 | 1'-6" |
| 7 | 3/4 | 12 | 1'-0" | 1 | 18 | 1'-6" |
| 8 | 3/4 | 12 | 1'-2" | 1 1/4 | 18 | 1'-6" |
| 9 | 3/4 | 12 | 1'-0" | 1 1/2 | 18 | 1'-6" |
| 10 | 1 | 12 | 1'-2" | 1 1/4 | 18 | 1'-6" |
| 11 | 1 | 12 | 1'-2" | 1 1/2 | 18 | 1'-6" |
| 12 | 1 | 14 | 1'-4" | 1 1/4 | 18 | 1'-6" |
| 13 | 1 | 14 | 1'-4" | 1 1/2 | 18 | 1'-6" |
| 14 | 1 | 6 | 1'-2" | 1 | 18 | 1'-6" |
| 15 | 1 | 6 | 1'-2" | 1 1/4 | 18 | 1'-6" |
| 16 | 1 1/4 | 14 | 1'-4" | 1 1/2 | 18 | 1'-6" |
| 17 | 1 1/4 | 6 | 1'-2" | 1 1/4 | 18 | 1'-6" |
| 18 | 1 1/4 | 6 | 1'-6" | 1 1/4 | 18 | 1'-6" |
| 19 | 1 1/4 | 6 | 1'-6" | 1 1/2 | 18 | 1'-6" |
| 20 | 1 1/4 | 6 | 1'-6" | 1 1/2 | 18 | 1'-8" |
| 21 | 1 1/4 | 6 | 1'-6" | 1 1/2 | 18 | 2'-0" |
| 22 | 1 1/2 | 14 | 1'-4" | 1 3/4 | 18 | 1'-6" |
| 23 | 1 1/2 | 6 | 1'-8" | 1 1/2 | 18 | 1'-8" |
| 24 | 1 1/2 | 6 | 1'-8" | 1 1/2 | 18 | 2'-0" |
| 25 | 1 1/2 | 6 | 2'-0" | 1 1/2 | 18 | 2'-0" |
| 26 | 1 1/2 | 6 | 2'-0" | 1 1/2 | 18 | 2'-2" |
| 27 | 1 1/2 | 6 | 2'-0" | 1 3/4 | 18 | 2'-0" |
| 28 | 1 1/2 | 8 | 2'-2" | 1 1/2 | 18 | 1'-6" |
| 29 | 1 1/2 | 8 | 2'-2" | 1 1/2 | 18 | 2'-2" |
| 30 | 1 1/2 | 15 | 1'-7" | 1 1/2 | 18 | 1'-6" |
| 31 | 1 1/2 | 15 | 1'-7" | 1 3/4 | 18 | 1'-6" |
| 32 | 1 | 9 | 1'-3" | 1 1/4 | 18 | 1'-6" |

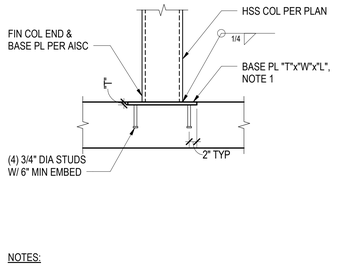
## 6 STEEL COLUMN SLAB PLATE SCHEDULE




NOTES:

1. DIMENSION "L" IS PARALLEL TO WIDE FACE OF HSS UNLESS NOTED OTHERWISE.

## 7 TYPICAL BASE PLATE, TYPE 6




NOTES:

1. ALIGN BASE PLATE LONGER SIDE WITH LONGER SIDE OF HSS COLUMN.

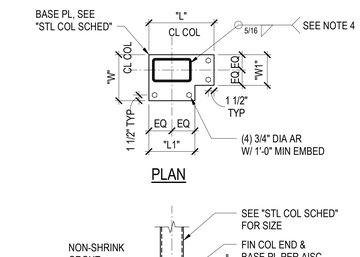
## 8 TYPICAL COLUMN BASE PLATE, TYPE 7

| TYPE 5 BASE PLATE SCHEDULE | | |
|---|---|---|
| COLUMN SIZE | W1 (IN) | L1 (IN) |
| - | - | - |
| HSS8x8x1/2 | 10 | 10 |
| HSS6x6x5/16 | 8 | 8 |
| - | - | - |

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND WASHER DIAMETER SHALL BE SIZED PER "AISC MANUAL-TABLE 14-2" UNLESS NOTED OTHERWISE.
3. DIMENSION "L" IS PARALLEL TO WIDE FACE OF HSS UNLESS NOTED OTHERWISE.
4. WHERE EDGE OF BASE PLATE IS LESS THAN 9/16 INCH FROM THE FACE OF THE HSS, PROVIDE A PARTIAL PENETRATION GROOVE WELD OF THE HSS TO THE BASE PLATE IN LIEU OF FILLET WELD ON THAT FACE OF THE HSS. GROOVE WELD SIZE SHALL BE THE THICKNESS OF THE HSS WALL OR 5/16 INCH, WHICHEVER IS LESS.

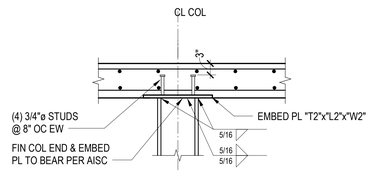
## 9 TYPICAL COLUMN BASE PLATE, TYPE 5



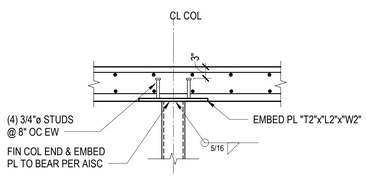

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND WASHER DIAMETER SHALL BE SIZED PER "AISC MANUAL-TABLE 14-2" UNLESS NOTED OTHERWISE.
3. DIMENSION "L" IS PARALLEL TO WIDE FACE OF HSS UNLESS NOTED OTHERWISE.
4. WHERE EDGE OF BASE PLATE IS LESS THAN 9/16 INCH FROM THE FACE OF THE HSS, PROVIDE A PARTIAL PENETRATION GROOVE WELD OF THE HSS TO THE BASE PLATE IN LIEU OF FILLET WELD ON THAT FACE OF THE HSS. GROOVE WELD SIZE SHALL BE THE THICKNESS OF THE HSS WALL OR 5/16 INCH, WHICHEVER IS LESS.

## 5 TYPICAL COLUMN BASE PLATE, TYPE 5




CONNECTION AT WF COL

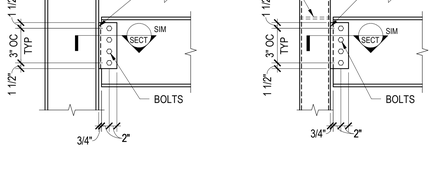



CONNECTION AT HSS COL

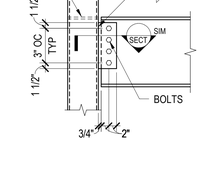
NOTES:

1. SEE STEEL COLUMN SLAB PLATE SCHEDULE FOR PLATE DIMENSIONS.

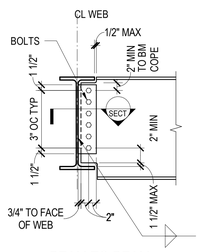
## 11 TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING



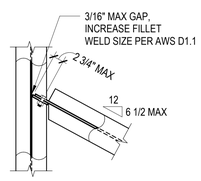

BEAM TO COLUMN FLANGE




BEAM TO HSS OR PIPE COLUMN




BEAM TO BEAM




SECTION (SKEWED BEAMS)

NOTES:

1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. AT TOP OF HSS OR PIPE COLUMN, PROVIDE 1/2 INCH CAP PLATE WITH 5/16 INCH FILLET WELD ALL AROUND. IF BEAM IS SHOWN RUNNING OVER TOP OF COLUMN ON PLAN, SEE "TYPICAL BASE PLATE, TYPE 6" DETAIL.

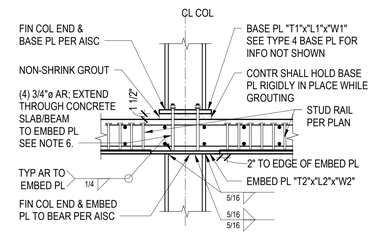
## 13 TYPICAL BEAM TO BEAM / BEAM TO COLUMN CONNECTION

| TABLE A | | |
|---|---|---|
| WIDE-FLANGE BEAM DEPTH | NUMBER OF BOLTS REQUIRED | MAXIMUM REACTION (KIPS) |
| W10 | 2 | 27 |
| W12, W14 | 3 | 40 |
| W16, W18 | 4 | 65 |
| W21 | 5 | 91 |
| W24 | 6 | 124 |
| W27 | 7 | 150 |
| W30 - W44 | 8 | 175 |

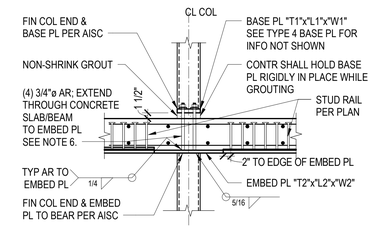
NOTES BELOW APPLY TO ALL TYPICAL CONNECTIONS UNLESS NOTED OTHERWISE:

1. SEE PLANS FOR BEAM SIZE. UNLESS NOTED OTHERWISE, PROVIDE THE NUMBER OF 7/8 INCH DIAMETER GRADE A325 BOLTS SHOWN IN "TABLE A" BASED ON THE BEAM DEPTH.
2. SHEAR TAB PLATES SHALL BE GRADE 50 MATERIAL, AND BE 1/4 INCH THICK WITH 3/16 INCH WELD EACH SIDE FOR (2) BOLTS, 5/16 INCH THICK WITH 1/4 INCH WELD EACH SIDE FOR (3) BOLTS TO (5) BOLTS, AND 3/8 INCH THICK WITH 1/4 INCH WELD EACH SIDE FOR (6) BOLTS OR MORE.
3. BEAMS AND SHEAR TAB PLATES SHALL HAVE STANDARD ROUND HOLES (STD) UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, HOLES IN SHEAR TAB PLATES MAY BE HORIZONTAL SHORT-SLOTTED HOLES.
4. WHEN CONDITIONS VARY FROM THOSE SHOWN IN THE TYPICAL DETAIL, DESIGN CONNECTIONS ACCORDING TO THE AISC MANUAL OF STEEL CONSTRUCTION.

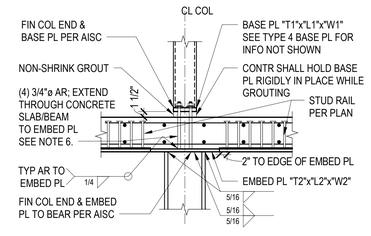
## 15 GENERAL NOTES FOR STEEL CONNECTIONS




CONNECTION AT WF COL




CONNECTION AT HSS COL

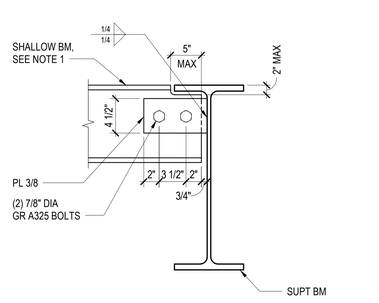



CONNECTION AT HSS COL ABOVE WITH WF COL BELOW

NOTES:

1. TIGHTEN ANCHOR RODS SNUG TIGHT AND SCORE ROD THREADS TO PREVENT LOOSENING.
2. BASE PLATE HOLE DIAMETER AND PLATE WASHER SHALL BE SIZED PER "AISC MANUAL -TABLE 14-2", UNLESS NOTED OTHERWISE.
3. SEE STEEL COLUMN SLAB PLATE SCHEDULE FOR PLATE DIMENSIONS.
4. WHERE COLUMN ABOVE IS WIDE FLANGE, ANCHOR ROD GAGE SHALL BE AS FOLLOWS:
   W10: 5 INCHES
   W12: 6 INCHES
   W14: 8 INCHES
5. WHERE COLUMN ABOVE IS HSS AND WHERE EDGE OF BASE PLATE IS LESS THAN 9/16 INCH FROM THE FACE OF THE HSS, PROVIDE A PARTIAL PENETRATION GROOVE WELD OF THE HSS TO THE BASE PLATE IN LIEU OF FILLET WELD ON THAT FACE OF THE HSS. GROOVE WELD SIZE SHALL BE THE THICKNESS OF THE HSS WALL OR 5/16 INCH, WHICHEVER IS LESS.
6. ANCHOR ROD TO BE SMOOTH SHANK THROUGH BEAM/SLAB THICKNESS.

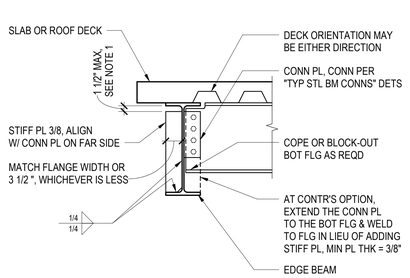
## 17 TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING




NOTES:

1. THIS DETAIL SHALL BE USED ONLY FOR BEAMS UP TO 8 INCHES DEEP AND WEIGHING AT LEAST 8 LB/FT. SEE "TYPICAL BEAM TO BEAM / BEAM TO COLUMN CONNECTION" FOR DEEPER BEAMS.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.

## 19 TYPICAL SHALLOW BEAM CONNECTION




NOTES:

1. AT LOCATIONS WHERE A CONCRETE SLAB DOES NOT EXIST AT EDGE BEAM, THE STIFFENER PLATE OR CONNECTION PLATE SHALL BE EXTENDED TO FULL DEPTH AND WELDED ON THREE SIDES.
2. THIS DETAIL APPLIES AT ALL EDGE OF SLAB CONDITIONS.

## 20 TYPICAL STEEL EDGE BEAM STIFFENER

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

revisions:

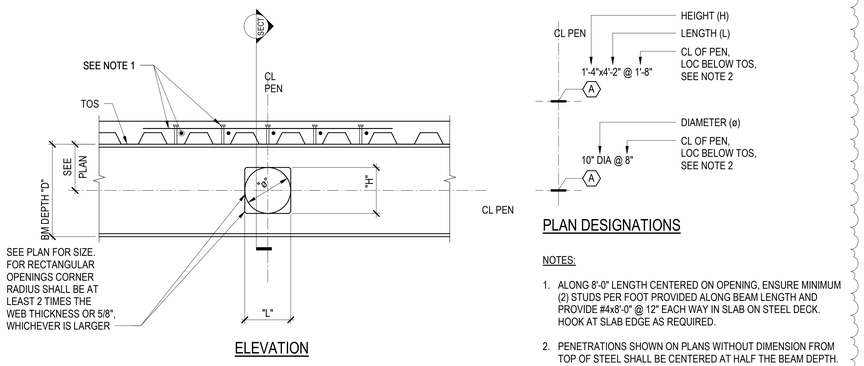
| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| 2 | 7/26/2024 | ASI-002 |
| 1 | 05/17/2024 | IFC 2 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TYPICAL STEEL DETAILS

S4.11




ELEVATION



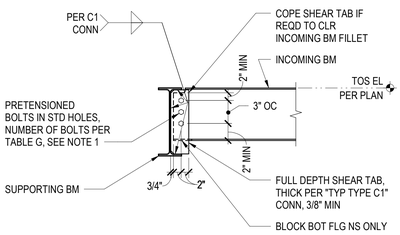

PLAN DESIGNATIONS

NOTES:

1. ALONG 8'-0" LENGTH CENTERED ON OPENING, ENSURE MINIMUM (2) STUDS PER FOOT PROVIDED ALONG BEAM LENGTH AND PROVIDE #4x8'-0" @ 12" EACH WAY IN SLAB ON STEEL DECK. HOOK AT SLAB EDGE AS REQUIRED.
2. PENETRATIONS SHOWN ON PLANS WITHOUT DIMENSION FROM TOP OF STEEL SHALL BE CENTERED AT HALF THE BEAM DEPTH.

## 1 TYPICAL BEAM WEB PENETRATION

3/4" = 1'-0"



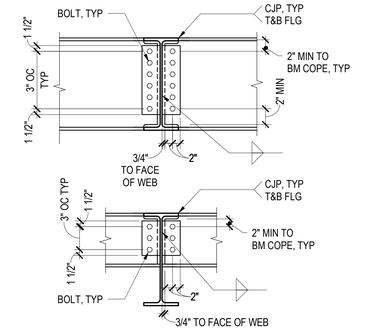

ELEVATION

NOTES:

1. SEE "TYPICAL TYPE C1" FOR BOLT SIZE AND TYPE, WELD SIZE, PLATE THICKNESS, AND COPE REQUIREMENTS.
2. THIS CONNECTION SHALL ONLY BE USED WHEN SPECIFICALLY CALLED OUT ON PLAN OR IN A DETAIL.
3. BEAM SIZE IS SHALLOWER OF INCOMING AND SUPPORTING BEAM.

| TABLE G | |
|---|---|
| **BM SIZE (NOTE 3)** | **MINIMUM NUMBER OF BOLTS** |
| W10 | 2 |
| W12, W14 | 3 |
| W16 | 4 |
| W18 | 5 |
| W21 | 6 |
| W24 | 7 |
| W27 | 8 |
| W30 | 9 |
| W33, W36 | 10 |
| W40 | 11 |
| W44 | 12 |

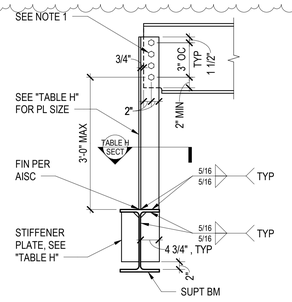
## 3 TYPICAL STEEL CONNECTION, TYPE C30




NOTES:

1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. THIS DETAIL APPLIES ONLY FOR BEAMS OF EQUAL DEPTH EACH SIDE OF SUPPORTING BEAM.

## 5 TYP BEAM TO BEAM MOMENT CONNECTION




INCOMING BEAM ONE SIDE

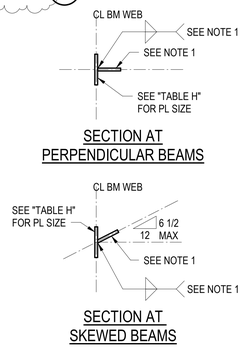
NOTES:

1. FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" OR "TABLE B" FOR BOLT SIZE AND TYPE, AND NUMBER OF BOLTS.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.

| TABLE H | | | | |
|---|---|---|---|---|
| **7/8" DIA GR A325 BOLTS** | | | | |
| **NUMBER OF BOLTS** | **PL THICKNESS (IN)** | **PL LENGTH (IN)** | **NOMINAL WEB THICKNESS (IN)** | **STIFF PL THICKNESS (IN)** |
| 2-4 | 5/8 | 7 | 0.31 | 3/8 |
| 5-6 | 3/4 | 8 | 0.44 | 3/8 |
| 7-8 | 3/4 | 9 | 0.50 | 1/2 |
| 9-10 | 7/8 | 9 | 0.61 | 5/8 |
| 11-12 | 1 | 10 | 0.64 | 5/8 |
| **1" DIA GR A490 BOLTS** | | | | |
| **NUMBER OF BOLTS** | **PL THICKNESS (IN)** | **PL LENGTH (IN)** | **NOMINAL WEB THICKNESS (IN)** | **STIFF PL THICKNESS (IN)** |
| 2-4 | 5/8 | 7 | 0.31 | 3/8 |
| 5-6 | 3/4 | 9 | 0.48 | 1/2 |
| 7-8 | 7/8 | 10 | 0.57 | 5/8 |
| 9-10 | 1 | 10 | 0.65 | 3/4 |
| 11-12 | 1 | 10 | 0.72 | 1 |

NOTES:

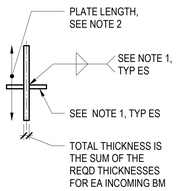
1. VERTICAL PLATE THICKNESS AND WELD SIZE SHALL BE PER "TABLE A" OR "TABLE B", WHICHEVER IS APPLICABLE.
2. PLATE LENGTH SHALL BE DETERMINED PER "TABLE H" BY THE GREATEST NUMBER OF BOLTS REQUIRED FOR EITHER INCOMING BEAM CONNECTION.




SECTION AT PERPENDICULAR BEAMS




SECTION AT SKEWED BEAMS



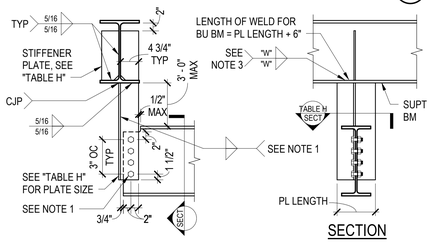

SECTION AT INCOMING BEAM BOTH SIDES

3. WHERE SUPPORT BEAM WEB THICKNESS EXCEEDS NOMINAL WEB THICKNESS IN "TABLE H", STIFFENER PLATES MAY BE OMITTED.

NOTES:

1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. AT TOP OF COLUMN, PROVIDE 1/4 INCH PJP WELD IN LIEU OF TOP SIDE FILLET WELD OR, AT CONTRACTOR'S OPTION, A SINGLE CAP PLATE MAY BE USED IN LIEU OF TWO STIFFENER PLATES. USE 5/16 INCH ONE SIDED FILLET WELD FOR CAP PLATE TO EACH COLUMN FLANGE AND EACH SIDE OF COLUMN WEB.
3. AT CONTRACTOR'S OPTION, WIDTH OF STIFFENER PLATES MAY BE REDUCED TO MATCH LARGEST INCOMING BEAM FLANGE IF NO OTHER INCOMING CONNECTIONS OCCUR AT A GIVEN BEAM -TO-COLUMN CONNECTION.

## 6 C13 - BEAM TO ELEVATED BEAM CONN

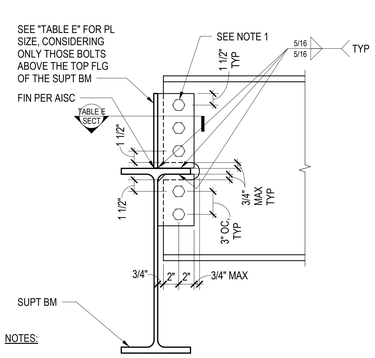



SECTION

NOTES:

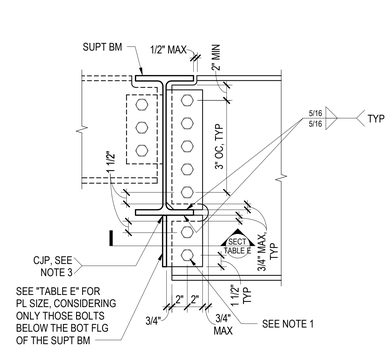
1. FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" OR "TABLE B" FOR BOLT SIZE AND TYPE, NUMBER OF BOLTS, AND MAXIMUM COPE LENGTH.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.
3. PROVIDE FILLET WELD AT BUILT-UP BEAMS. WELD SIZE "W" SHALL BE 0.75tw, WHERE "tw" IS THE SUPPORT BEAM WEB THICKNESS.
4. CONTRACTOR SHALL PERFORM ULTRASONIC TESTING AND INSPECTION OF SUPPORT BEAM BOTTOM FLANGE PER SPECIFICATION FOR WELDED CONNECTIONS.

## 7 TABLE H



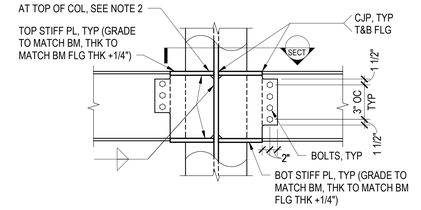

NOTES:

1. FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" FOR BOLT SIZE AND TYPE, TOTAL NUMBER OF BOLTS, AND MAXIMUM COPE LENGTH.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.



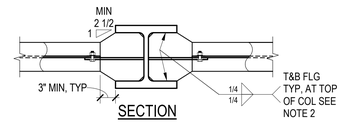

3. CONTRACTOR SHALL PERFORM ULTRASONIC TESTING AND INSPECTION OF SUPPORT BEAM BOTTOM FLANGE PER SPECIFICATION FOR WELDED CONNECTIONS.

## 9 TYPICAL BM TO COL FLANGE MOMENT CONN




NOTES:

1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. AT TOP OF COLUMN, PROVIDE 1/4 INCH PJP WELD IN LIEU OF TOP SIDE FILLET WELD OR, AT CONTRACTOR'S OPTION, A SINGLE CAP PLATE MAY BE USED IN LIEU OF TWO STIFFENER PLATES. USE 5/16 INCH ONE SIDED FILLET WELD FOR CAP PLATE TO EACH COLUMN FLANGE AND EACH SIDE OF COLUMN WEB.
3. THIS DETAIL APPLIES ONLY FOR BEAMS OF EQUAL DEPTH EACH SIDE OF COLUMN.




SECTION

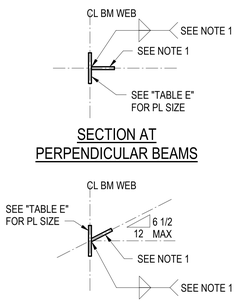
## C14 - BEAM TO DEPRESSED BEAM CONN

| TABLE E | | | | |
|---|---|---|---|---|
| **7/8" DIA GR A325 BOLTS** | | | | |
| **NUMBER OF BOLTS** | **PL THICKNESS (IN)** | **PL LENGTH (IN)** | **NOMINAL WEB THICKNESS (IN)** | **STIFF PL THICKNESS (IN)** |
| 2-4 | 5/8 | 7 | 0.31 | 3/8 |
| 5-6 | 3/4 | 8 | 0.44 | 3/8 |
| 7-8 | 3/4 | 9 | 0.50 | 1/2 |
| 9-10 | 7/8 | 9 | 0.61 | 5/8 |
| 11-12 | 1 | 10 | 0.64 | 5/8 |
| **1" DIA GR A490 BOLTS** | | | | |
| **NUMBER OF BOLTS** | **PL THICKNESS (IN)** | **PL LENGTH (IN)** | **NOMINAL WEB THICKNESS (IN)** | **STIFF PL THICKNESS (IN)** |
| 2-4 | 5/8 | 7 | 0.31 | 3/8 |
| 5-6 | 3/4 | 9 | 0.48 | 1/2 |
| 7-8 | 7/8 | 10 | 0.57 | 5/8 |
| 9-10 | 1 | 10 | 0.65 | 3/4 |
| 11-12 | 1 | 10 | 0.72 | 1 |

NOTES:

1. VERTICAL PLATE THICKNESS AND WELD SIZE SHALL BE PER "TABLE A" OR "TABLE B", WHICHEVER IS APPLICABLE.
2. PLATE LENGTH SHALL BE DETERMINED PER "TABLE E" BY THE GREATEST NUMBER OF BOLTS REQUIRED FOR EITHER INCOMING BEAM CONNECTION.

## 12 TYPICAL TYPE C21 - BEAM FLANGE INTERSECTING BEAM WEB

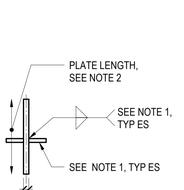



SECTION AT PERPENDICULAR BEAMS

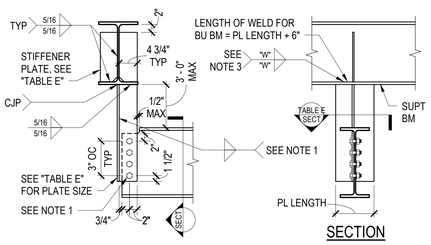



SECTION AT SKEWED BEAMS

3. WHERE SUPPORT BEAM WEB THICKNESS EXCEEDS NOMINAL WEB THICKNESS IN "TABLE E", STIFFENER PLATES MAY BE OMITTED.




SECTION AT INCOMING BEAM BOTH SIDES

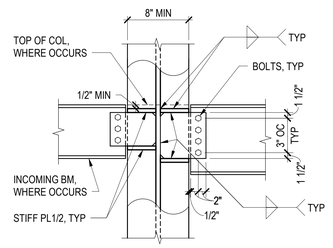



SECTION

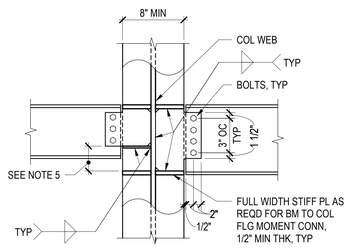
NOTES:

1. FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" FOR BOLT SIZE AND TYPE, NUMBER OF BOLTS, AND MAXIMUM COPE LENGTH.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.
3. PROVIDE FILLET WELD AT BUILT-UP BEAMS. WELD SIZE "W" SHALL BE 0.75tw, WHERE "tw" IS THE SUPPORT BEAM WEB THICKNESS.
4. CONTRACTOR SHALL PERFORM ULTRASONIC TESTING AND INSPECTION OF SUPPORT BEAM BOTTOM FLANGE PER SPECIFICATION FOR WELDED CONNECTIONS.

## 14 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION




TYPICAL CONDITION




CONDITION AT INCOMING BEAM TO COLUMN FLANGE MOMENT CONNECTION

NOTES:

1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.
3. BEAMS MAY BE SKEWED UP TO 30 DEGREES.
4. THIS DETAIL SHALL BE USED WITH W10, W12, AND W14 COLUMNS ONLY.
5. WHEN DIMENSION SHOWN IS 6 INCHES OR LESS, EXTEND VERTICAL PLATE TO LOWER STIFFENER. WHEN DIMENSION SHOWN IS GREATER THAN 6 INCHES PROVIDE ADDITIONAL STIFFENER PLATE PL1/2 AT BOTTOM OF VERTICAL PLATE.

## 16 TABLE E

## 18 TYP TYPE C23 - BEAM TO DEPRESSED BM CONN

## 19 TYPICAL BEAM TO COLUMN WEB SHEAR CONNECTION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principal architect
project manager
drawn by
checked by
job no. 20052
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revisions:

| no. | date | by |
|---|---|---|
| 3 | 8/19/2024 | ASI-004 |
| | 04/08/2024 | IFC SET 1 OF 3 |
| | 11/18/2022 | 95% CD |

IFC SET 2 OF 3

05/17/2024

TYPICAL STEEL DETAILS

S4.12

## TOWER A - ROOF STEEL COLUMN SCHEDULE

| | SCA12 | SCA13 | SCA14 | SCA15 | SCA17 | SCA18 | SCA19 | SCA20 | SCA22 | SCA23 | SCA24 | SCA25 | SCA26 | SCA27 | SCA28 | SCA29 | SCA30 | SCA31 | SCA32 | SCA33 | SCA34 | SCA35 | SCA36 | SCA37 | SCA38 | SCA39 | SCA40 | SCA41 | SCA42 | SCA43 | SCA44 | SCA45 | SCA46 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOWER A - ROOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOWER A - ROOF |
| 8419' - 6" TOWER B - LEVEL 5 | | | | | HSS6x6x3/8 | HSS6x6x3/8 | W10x45 | W10x45 | HSS6x6x3/8 | HSS6x6x1/2 | HSS6x6x5/8 | HSS6x6x1/2 | | | HSS6x6x5/16 | HSS6x6x5/16 | W10x45 | HSS6x6x5/16 | W10x45 | HSS6x6x1/2 | W10x45 | HSS6x6x1/2 | HSS6x6x1/2 | HSS6x6x1/2 | HSS6x6x1/2 | HSS6x6x5/8 | | W10x45 | W10x45 | HSS6x6x3/8 | W10x45 | W10x45 | W10x45 | 8419' - 6" TOWER B - LEVEL 5 |
| 8412' - 0" TOWER A - LEVEL 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8412' - 0" TOWER A - LEVEL 6 |
| 8407' - 6" TOWER A - LEVEL 5 | HSS6x6x5/16 | HSS6x6x5/16 | W10x49 | W10x49 | | | | | | | | | W10x49 | W10x49 | | | | | | | | | | | | W10x49 [1] | | | | | | | | 8407' - 6" TOWER A - LEVEL 5 |
| 8395' - 0" | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 9/S4.11 | BASE PL 1x12x1'-0" 9/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-2" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | 8395' - 0" |
| Column Locations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## TOWER A - ROOF STEEL COLUMN SCHEDULE

| | SC1 | SC2 | SC3 | SC4 | SC5 | SC6 | SC7 | SC8 | SC9 | SC10 | SC11 | SC12 | SC13 | SC14 | SC15 | SC16 | SC17 | SC18 | SC19 | SC20 | SC21 | SC22 | SC23 | SC24 | SC25 | SC26 | SC27 | SC28 | SC29 | SC30 | SC31 | SC32 | SC33 | SC34 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOWER A - LEVEL 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOWER A - LEVEL 2 |
| 8359' - 0" TOWER A - LEVEL 1 | HSS6x6x5/16 | W12x152 | W8x40 | HSS6x6x5/16 | W8x40 | HSS6x6x1/2 | W8x40 | HSS6x6x5/16 | HSS6x6x1/2 | HSS6x6x1/2 | HSS6x6x1/2 | W12x152 | HSS6x6x1/2 | W12x152 | W12x152 | HSS8x8x5/8 | HSS6x6x1/2 | HSS6x6x5/8 | HSS6x6x5/8 | HSS6x6x5/8 | HSS6x6x5/8 | W12x152 | HSS6x6x1/2 | W12x152 | W12x152 | W12x152 | W12x152 | HSS6x6x1/2 | W12x152 | W12x152 | HSS8x8x5/8 | HSS6x6x1/2 | HSS8x8x5/8 | HSS6x6x5/8 | HSS6x6x5/16 | 8359' - 0" TOWER A - LEVEL 1 |
| 8345' - 0" | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 1x14x1'-2" 2/S4.11 | BASE PL 1 1/2x18x1'-6" 19/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x18x1'-6" 19/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x18x1'-6" 19/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | BASE PL 1x14x1'-2" 2/S4.11 | BASE PL 3x22x2'-0" 20/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 2 1/2x18x1'-6" 18/S6.00 | BASE PL 1 1/2x16x1'-4" 17/S6.00 | 8345' - 0" |
| Column Locations | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

## TOWER AB CONNECTOR - STEEL COLUMN SCHEDULE

NOTES:

1. BASE PLATES SHALL HAVE Fy = 50 KSI, UNLESS NOTED OTHERWISE.
2. [X] INDICATES CONNECTION OF STEEL COLUMN TO CONCRETE SLAB. SEE "TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, "TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, AND "STEEL COLUMN SLAB PLATE SCHEDULE" ON S4.11

| | SCA1 | SCA2 | SCA3 | SCA4 | SCA5 | SCA6 | SCA13 | SCA7 | SCA8 | SCA9 | SCA10 | SCA11 | SCA12 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOWER A - LEVEL 6 | 3 | | | | | | | | | | | | | TOWER A - LEVEL 6 |
| 8407' - 6" TOWER A - LEVEL 5 | HSS8x6x1/2 3 | HSS8x6x1/2 3 | | HSS6x6x1/2 1 | | | | W10x49 1 | | W10x49 1 | W10x49 1 | W10x49 1 | | 8407' - 6" TOWER A - LEVEL 5 |
| 8395' - 0" TOWER A - LEVEL 4 | HSS8x6x1/2 15 | HSS8x6x1/2 15 | W10x77 2 | | W10x49 1 | W10x49 1 | | W10x49 5 | W10x49 1 | W10x49 5 | W10x49 5 | W10x49 5 | | 8395' - 0" TOWER A - LEVEL 4 |
| 8383' - 0" TOWER A - LEVEL 3 | HSS8x6x5/8 15 | HSS8x6x5/8 15 | W10x88 6 | | W10x60 5 | W10x49 5 | | W10x49 7 | W10x49 5 | W10x49 7 | W10x49 7 | W10x49 5 | | 8383' - 0" TOWER A - LEVEL 3 |
| 8371' - 0" TOWER A - LEVEL 2 | HSS9x8x1/2 17 | HSS12x8x5/8 17 | W12x120 6 | | W10x60 7 | W10x49 5 | | W10x60 7 | W10x49 5 | W10x100 6 | W10x60 7 | W10x49 5 | | 8371' - 0" TOWER A - LEVEL 2 |
| 8359' - 0" TOWER A - LEVEL 1 | | HSS9x8x1/2 19 | W12x152 12 | | W10x77 7 | W10x60 5 | W10x60 | W10x77 7 | W10x77 5 | | W10x77 7 | W10x77 7 | W10x60 | 8359' - 0" TOWER A - LEVEL 1 |
| 8345' - 0" PARKING LEVEL 2 | | 3 | | | | | | | | | | | | 8345' - 0" PARKING LEVEL 2 |
| 8333' - 0" | 3 BASE PL 1 1/4x15x1'-3" 9/S4.11 | BASE PL 1 1/4x15x1'-3" 9/S4.11 | BASE PL 1 1/4x15x1'-3" 9/S4.11 | BASE PL 3/4x6x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-2" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | 8333' - 0" |
| Column Locations | | | | | | | | | | | | | | |

## TOWER A - STEEL COLUMN SCHEDULE


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TOWER A STEEL COLUMN SCHEDULE

S4.A.10

## TOWER B - ROOF STEEL COLUMN SCHEDULE

| TOWER B - ROOF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8448' - 9" TOWER B - LEVEL 7 | W10x45 | HSS6x6x5/8 | HSS6x6x5/8 | W10x45 | W10x45 | HSS6x6x3/8 | HSS6x6x5/8 | HSS6x6x5/8 | HSS6x6x5/16 | W10x45 | HSS6x6x3/8 | W10x49 | HSS6x6x3/8 | W10x49 | W10x45 | W10x45 | W10x49 | W10x49 | HSS6x6x5/8 | HSS6x6x5/8 | HSS8x8x1/2 | HSS4x4x1/2 | HSS4x4x1/2 | HSS6x6x5/8 | HSS6x6x5/8 | HSS6x6x5/16 | HSS6x6x1/2 | HSS6x6x1/2 | 8448' - 9" TOWER B - LEVEL 7 |
| 8436' - 6" | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x10x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x10x1'-0" 4/S4.11 | 8436' - 6" |
| Column Locations | SCB1 | SCB2 | SCB3 | SCB4 | SCB5 | SCB6 | SC7 | SCB8 | SCB9 | SCB10 | SCB11 | SCB12 | SCB13 | SCB14 | SCB15 | SCB16 | SCB17 | SCB18 | SCB19 | SCB20 | SCB21 | SCB22 | SCB23 | SCB24 | SCB25 | SCB26 | SCB27 | SCB28 | |

| TOWER B - ROOF | | | | | | | | | | | | | | | TOWER B - ROOF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8448' - 9" TOWER B - LEVEL 7 | HSS6x6x3/8 | HSS6x6x5/16 | HSS6x6x1/4 | HSS6x6x5/8 | HSS6x6x5/16 | W10x45 | W10x45 | W10x45 | W10x45 | W10x45 | W10x45 | W10x45 | W10x45 | HSS6x6x3/8 | 8448' - 9" TOWER B - LEVEL 7 |
| 8436' - 6" | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 1x8x1'-0" 4/S4.11 | 8436' - 6" |
| Column Locations | SCB29 | SCB30 | SCB31 | SCB32 | SCB33 | SCB34 | SCB35 | SCB36 | SCB37 | SCB38 | SCB39 | SCB40 | SCB41 | SCB42 | |

## TOWER B - ROOF STEEL COLUMN SCHEDULE

## TOWER B - STEEL COLUMN SCHEDULE

| TOWER B - LEVEL 7 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8436' - 6" TOWER B - LEVEL 6 | W10x49 1 | HSS8x6x1/2 1 | HSS8x6x1/2 1 | W10x49 1 | W10x49 1 | W10x49 1 | W10x49 1 | W10x49 1 | W10x49 1 | W10x77 2 | 8436' - 6" TOWER B - LEVEL 6 |
| 8424' - 0" TOWER B - LEVEL 5 | W10x49 7 | HSS8x6x1/2 14 | HSS8x6x1/2 15 3 | W10x49 5 | W10x49 5 | W10x49 5 | W10x49 5 | W10x49 5 | W10x49 5 | W10x112 6 | 8424' - 0" TOWER B - LEVEL 5 |
| 8412' - 0" TOWER B - LEVEL 4 | W10x49 7 | HSS12x6x1/2 15 | HSS9x9x1/2 15 3 | W10x49 7 | W10x49 5 | W10x49 7 | W10x49 5 | W10x49 5 | W10x49 7 | W12x120 8 | 8412' - 0" TOWER B - LEVEL 4 |
| 8400' - 0" TOWER B - LEVEL 3 | W10x60 7 | HSS12x6x1/2 18 | HSS9x9x1/2 32 | W10x60 7 | W10x49 5 | W10x60 7 | W10x49 5 | W10x49 7 | W10x60 7 | W12x152 16 | 8400' - 0" TOWER B - LEVEL 3 |
| 8388' - 0" TOWER B - LEVEL 2 | W10x77 7 | HSS12x6x5/8 18 | HSS9x9x1/2 32 | W10x68 6 | W10x60 7 | W10x68 7 | W10x49 5 | W10x60 7 | W10x77 6 | W12x152 16 | 8388' - 0" TOWER B - LEVEL 2 |
| 8376' - 0" TOWER B - LEVEL 1 | W12x136 7 | | HSS9x9x5/8 32 | W10x112 6 | W10x77 7 | W10x112 6 | W10x60 5 | W10x88 7 | W10x112 6 | W12x170 16 | 8376' - 0" TOWER B - LEVEL 1 |
| 8357' - 0" PARKING LEVEL 1 | | | | | | | | | | | 8357' - 0" PARKING LEVEL 1 |
| 8345' - 0" PARKING LEVEL 2 | | | | | | | | | | | 8345' - 0" PARKING LEVEL 2 |
| 8333' - 0" | BASE PL 1 1/4x14x1'-3" 2/S4.11 | BASE PL 1 1/2x6x1'-8" 4/S4.11 | BASE PL 1 1/2x15x1'-3" 3 9/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-2" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-0" 2/S4.11 | BASE PL 3/4x12x1'-2" 2/S4.11 | BASE PL 1 1/2x14x1'-4" 2/S4.11 | 8333' - 0" |
| Column Locations | SCB1 | SCB2 | SCB3 | SCB4 | SCB5 | SCB6 | SCB7 | SCB8 | SCB9 | SCB10 | |

NOTES:

1. BASE PLATES SHALL HAVE Fy = 50 KSI, UNLESS NOTED OTHERWISE.
2. [X] INDICATES CONNECTION OF STEEL COLUMN TO CONCRETE SLAB. SEE "TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, "TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, AND "STEEL COLUMN SLAB PLATE SCHEDULE" ON S4.11

## TOWER B - STEEL COLUMN SCHEDULE


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project:
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DEER VALLEY, UTAH

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project manager
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checked by
job no. 20052
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| | 11/18/2022 | 95% CD |

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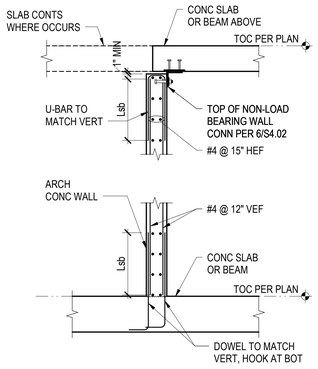
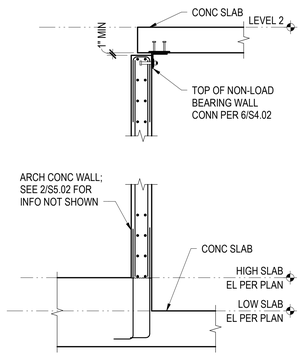
TOWER B STEEL COLUMN SCHEDULE

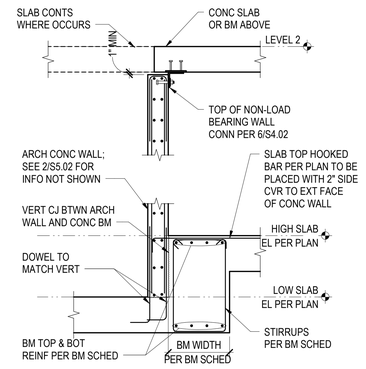
S4.B.10



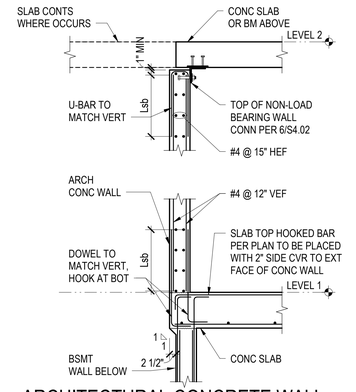

## 2 ARCHITECTURAL CONCRETE WALL
1/2" = 1'-0"



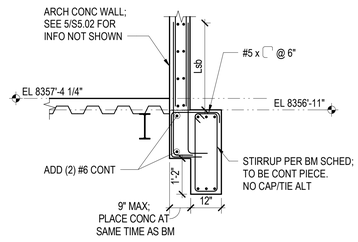

## 3 ARCHITECTURAL CONCRETE WALL AT SLAB STEP
1/2" = 1'-0"



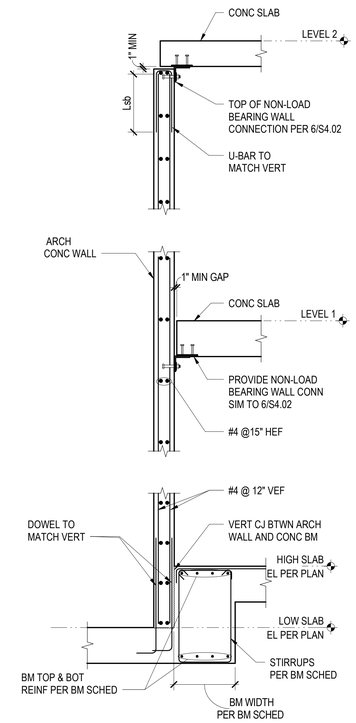

## 4 ARCHITECTURAL CONCRETE WALL AT STEP BEAM
1/2" = 1'-0"




## 5 ARCHITECTURAL CONCRETE WALL ABOVE BASEMENT WALL
1/2" = 1'-0"




## 8 ARCHITECTURAL CONCRETE WALL AT FLOATING BEAM
1/2" = 1'-0"




## 20 TWO-STORY ARCHITECTURAL CONCRETE WALL
1/2" = 1'-0"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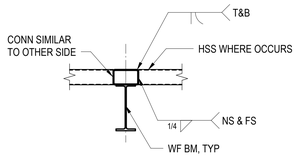
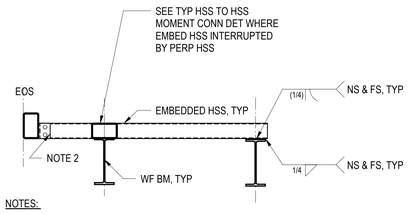
TOWER A & B
CONCRETE
SECTIONS AND
DETAILS

S5.02
3



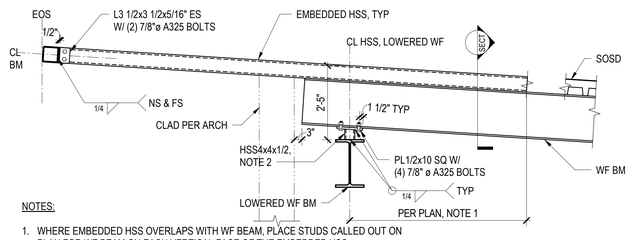

## 1 TYPICAL HSS TO HSS MOMENT CONNECTION




NOTES:

1. SLAB ON STEEL DECK NOT SHOWN FOR CLARITY.
2. SEE TYPICAL CANOPY HSS PARALLEL TO SLOPE DETAIL FOR CONNECTION INFORMATION.

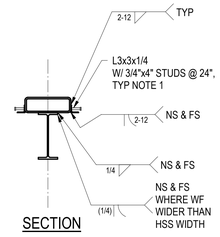
## 2 TYPICAL HSS PERPENDICULAR TO SLOPE



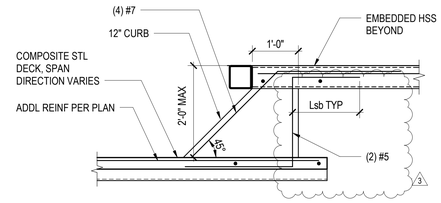

NOTES:

1. WHERE EMBEDDED HSS OVERLAPS WITH WF BEAM, PLACE STUDS CALLED OUT ON PLAN FOR WF BEAM ON EACH VERTICAL FACE OF THE EMBEDDED HSS.
2. WHERE WF BEAM DIRECTLY SUPPORTED BY WF COLUMN, SEE TYPICAL WF BEARING CONNECTION AT WF COLUMN DETAIL.

## 3 TYPICAL CANOPY HSS PARALLEL TO SLOPE



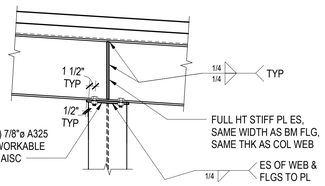

SECTION




NOTES:

1. FRAMING NOT SHOWN FOR CLARITY.

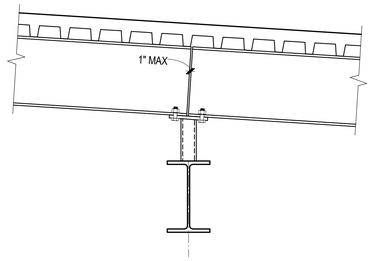
## 5 CURB AT ADDL REINF THROUGH UNEVEN ROOFS




NOTES:

1. FOR INFORMATION NOT SHOWN, SEE TYPICAL CANOPY HSS PARALLEL TO SLOPE

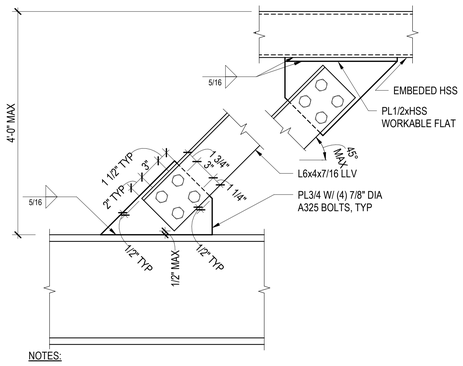
## 8 TYPICAL WF BEARING CONNECTION AT WF COLUMN




NOTES:

1. SEE TYPICAL CANOPY HSS PARALLEL TO SLOPE FOR INFORMATION NOT SHOWN.

## 9 TYPICAL SLOPED W AT INTERMEDIATE SUPPORT




NOTES:

1. COMPOSITE STEEL DECK NOT SHOWN FOR CLARITY.

## 10 TYPICAL SLOPED ROOF TRANSITION

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05/17/2024

TOWER C STEEL SECTIONS AND DETAILS

S6.06