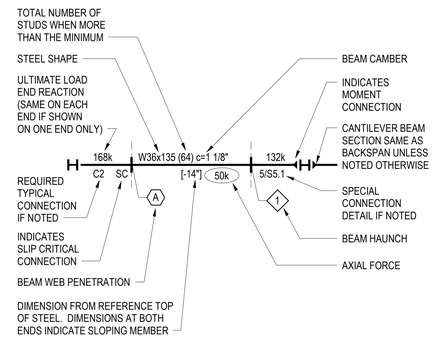
&	AND	L	ANGLE
@	AT	LAB	LABORATORY
°, DEG	DEGREE	LB, #	POUND
ø, DIA	DIAMETER	LF	LINEAL FOOT
#	NUMBER, POUND	LIN	LINEAL, LINEAR
		LL	LIVE LOAD
AB	ANCHOR BOLT	LLBB	LONG LEGS BACK-TO-BACK
ACI	AMERICAN CONCRETE INSTITUTE	LLH	LONG LEG HORIZONTAL
ADDL	ADDITIONAL	LLV	LONG LEG VERTICAL
ADJ	ADJACENT	LOC	LOCATION; 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		

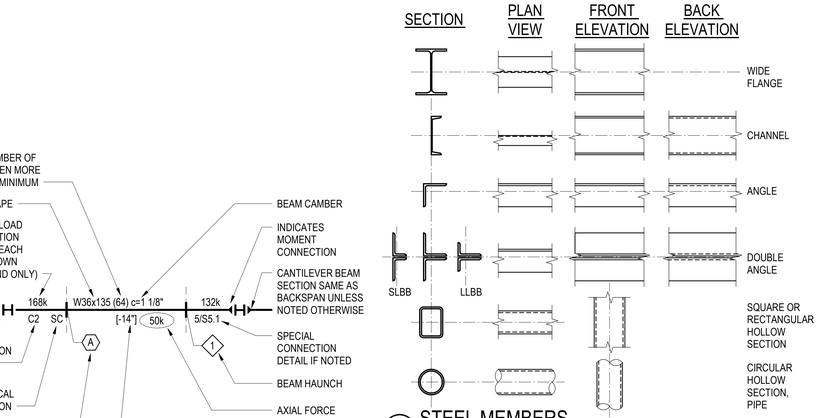
16 ABBREVIATIONS



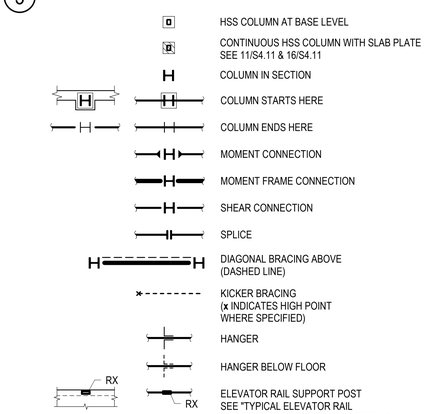
NOTES:

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".

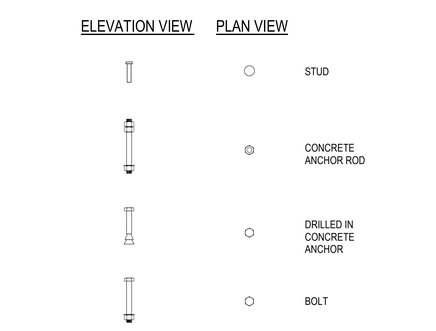
7 BEAM CALLOUT KEY



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

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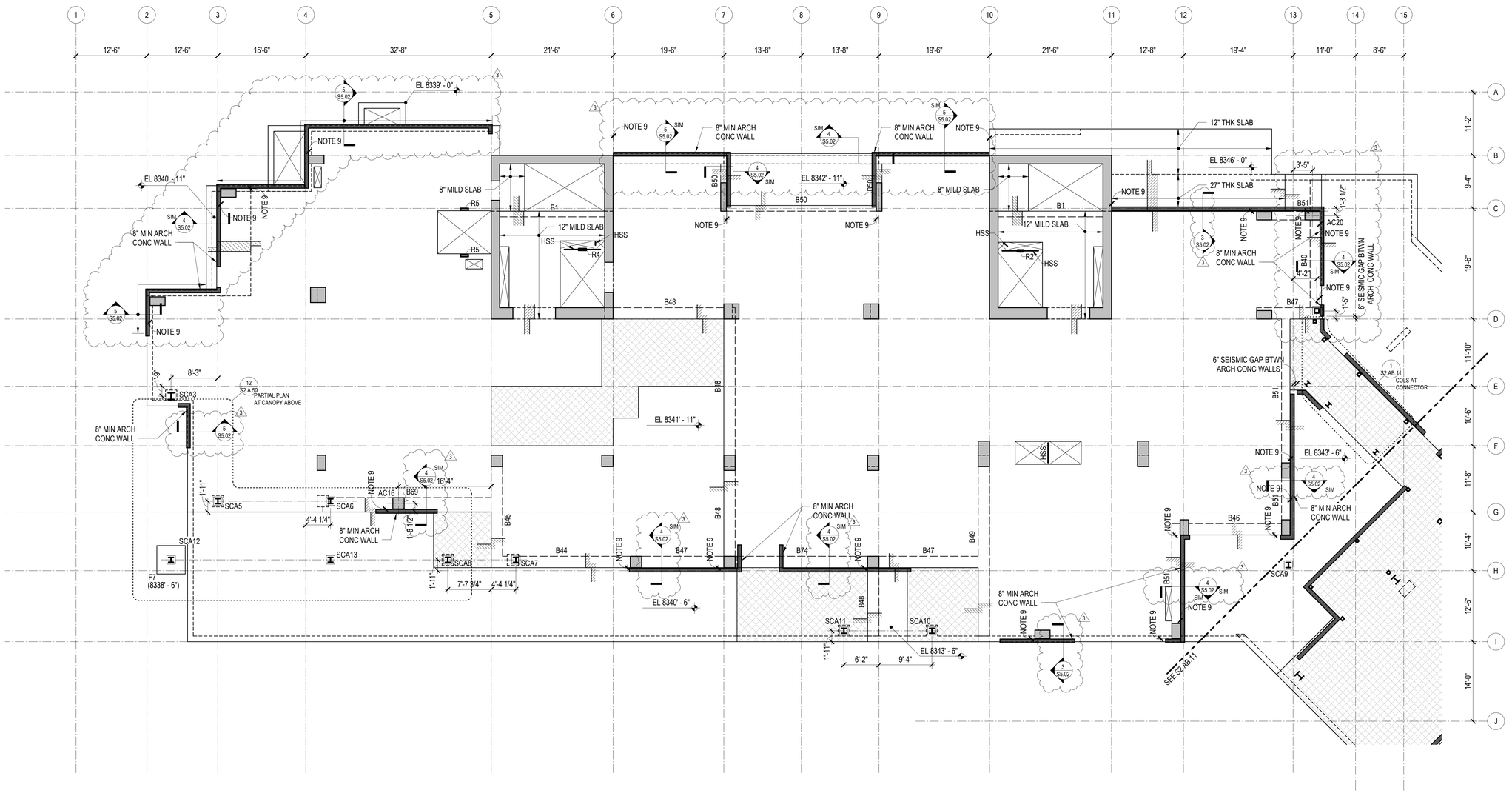
3	8/19/2024	ASI-004
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

ABBREVIATIONS, LEGENDS, AND DRAWING LIST

S0.01



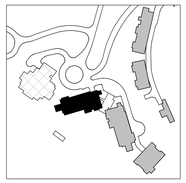
1 TOWER A - LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

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

revisions:

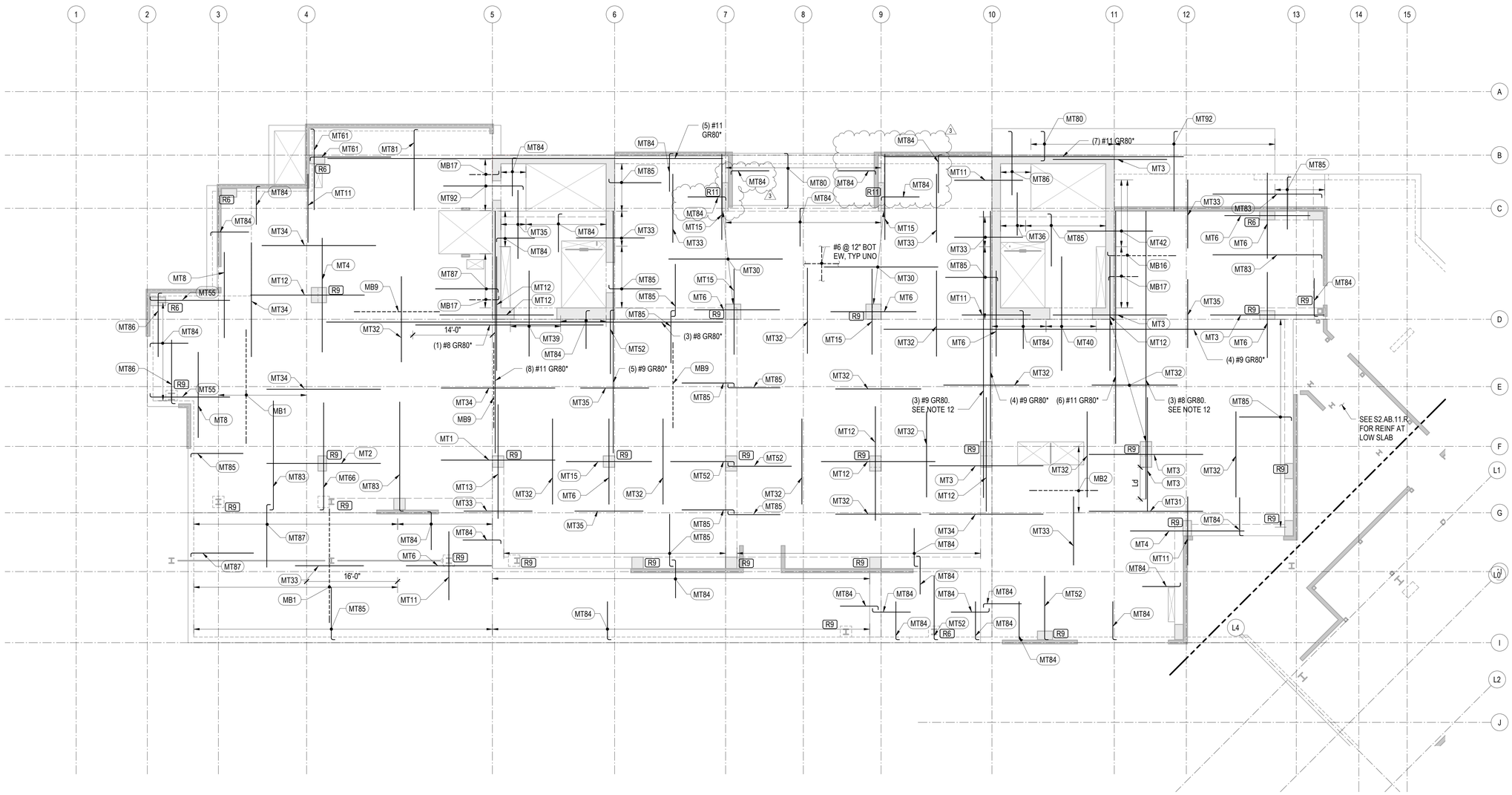
no.	date	by
3	8/19/2024	ASI-004
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER 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

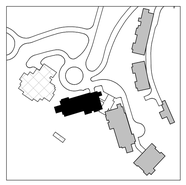
MARK	REINFORCING	REMARKS
MT50	(6) #5x24'-2" @ 12"	HOOK AT END
MT51	(11) #5x6'-8" @ 12"	HOOK AT END
MT52	(11) #5x11'-2" @ 12"	HOOK AT END
MT53	(7) #6x11'-0" @ 12"	HOOK AT END
MT54	(11) #5x14-2" @ 12"	HOOK AT END
MT55	(16) #6x14'-0" @ 8"	HOOK AT END
MT56	(6) #5x14'-2" @ 12"	HOOK AT END
MT57	(6) #6x9'-0" @ 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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DEER VALLEY, UTAH

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

revisions:

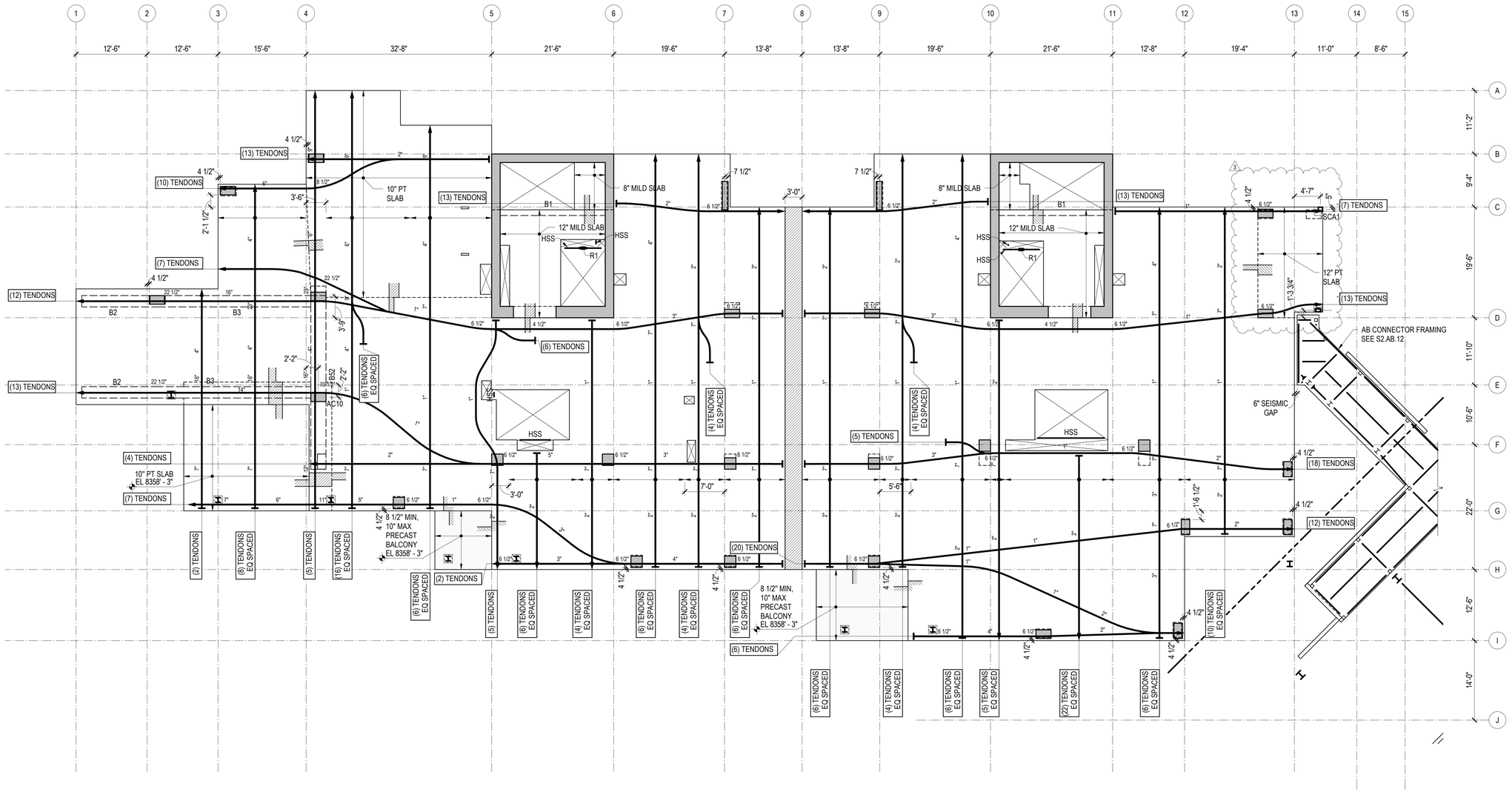
no.	date	by
3	8/19/2024 ASI-004	
	04/08/2024 IFC SET 1 OF 3	
	11/18/2022 95% CD	

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 1 REINFORCING PLAN

S2.A.11.R



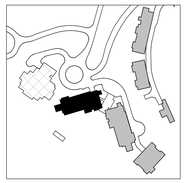
1 TOWER A - LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

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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date 05/17/2024

revisions:

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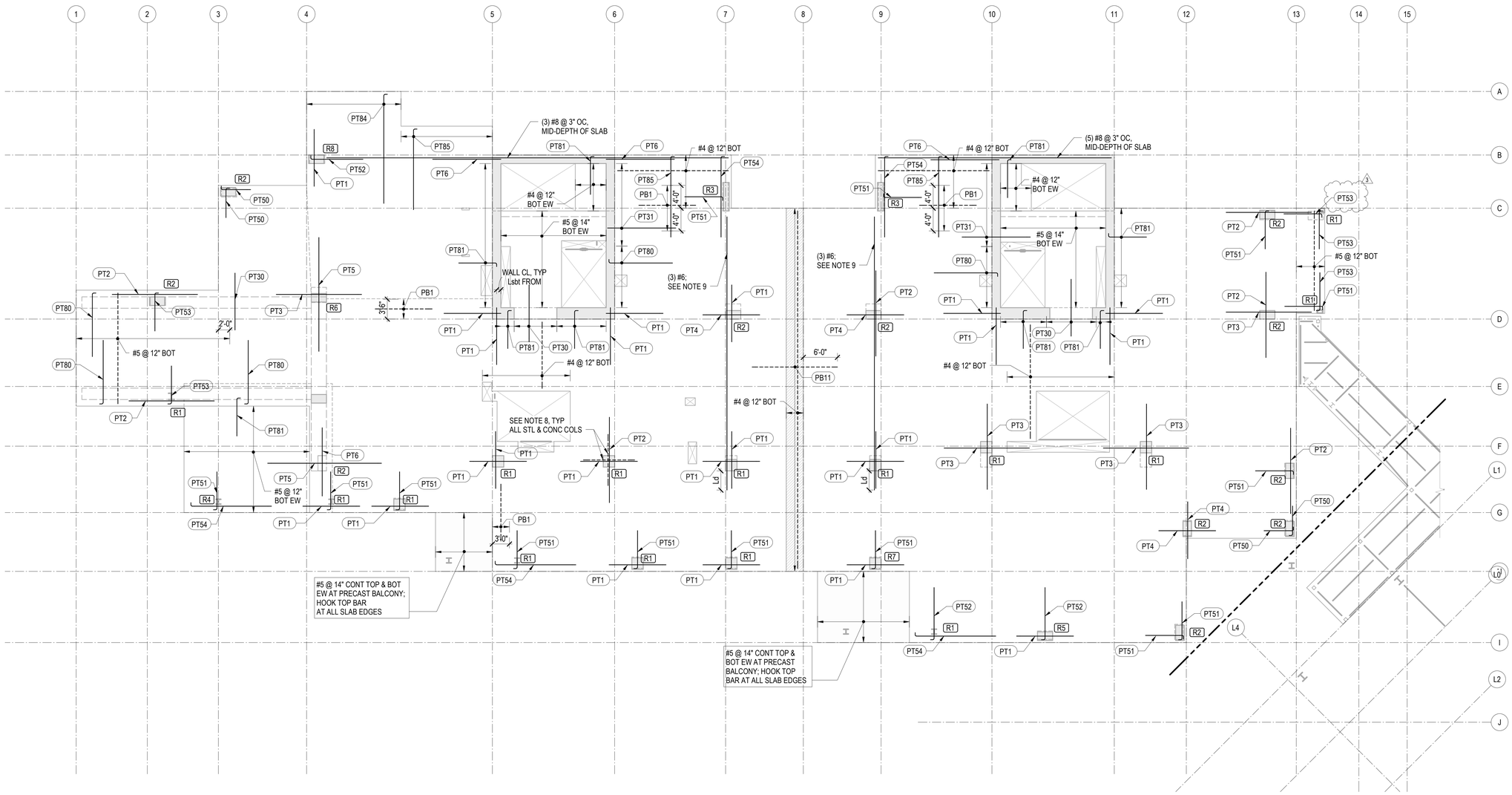
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 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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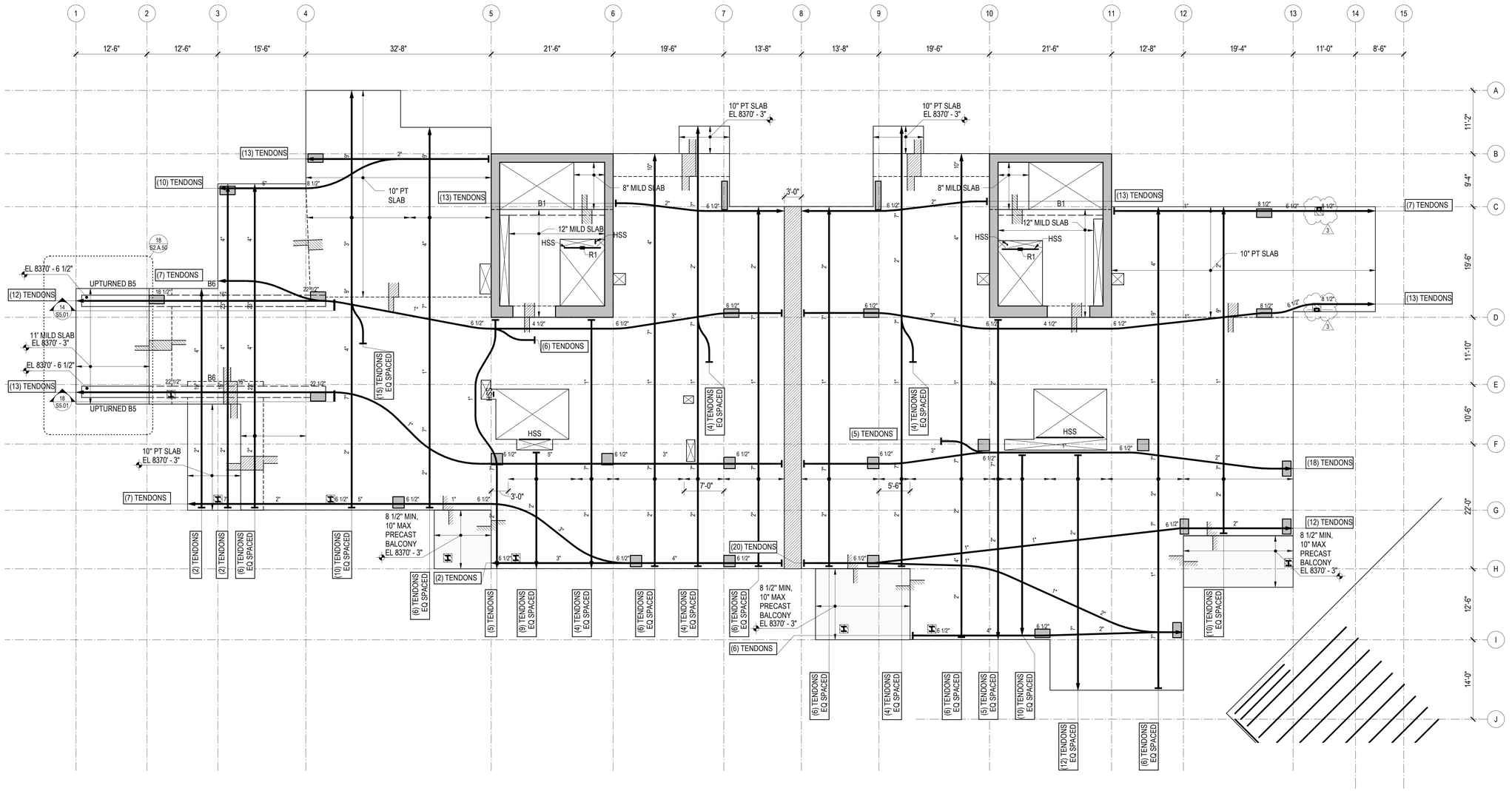
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 2 REINFORCING PLAN

S2.A.12.R



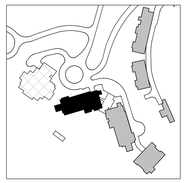
1 TOWER A - LEVEL 3 FRAMING PLAN
1/8" = 1'-0"

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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	11/18/2022	95% CD

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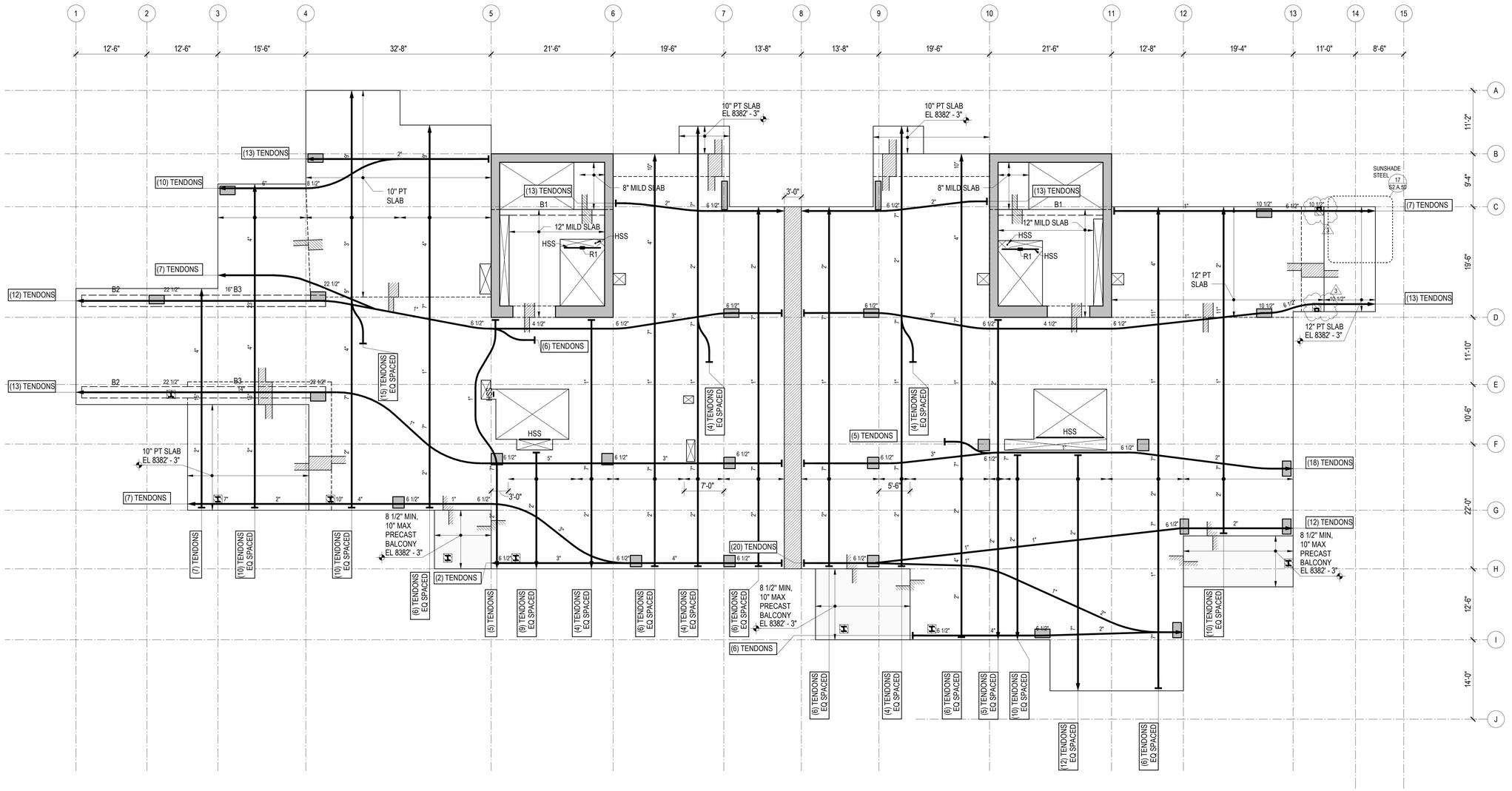
05/17/2024

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

revisions:

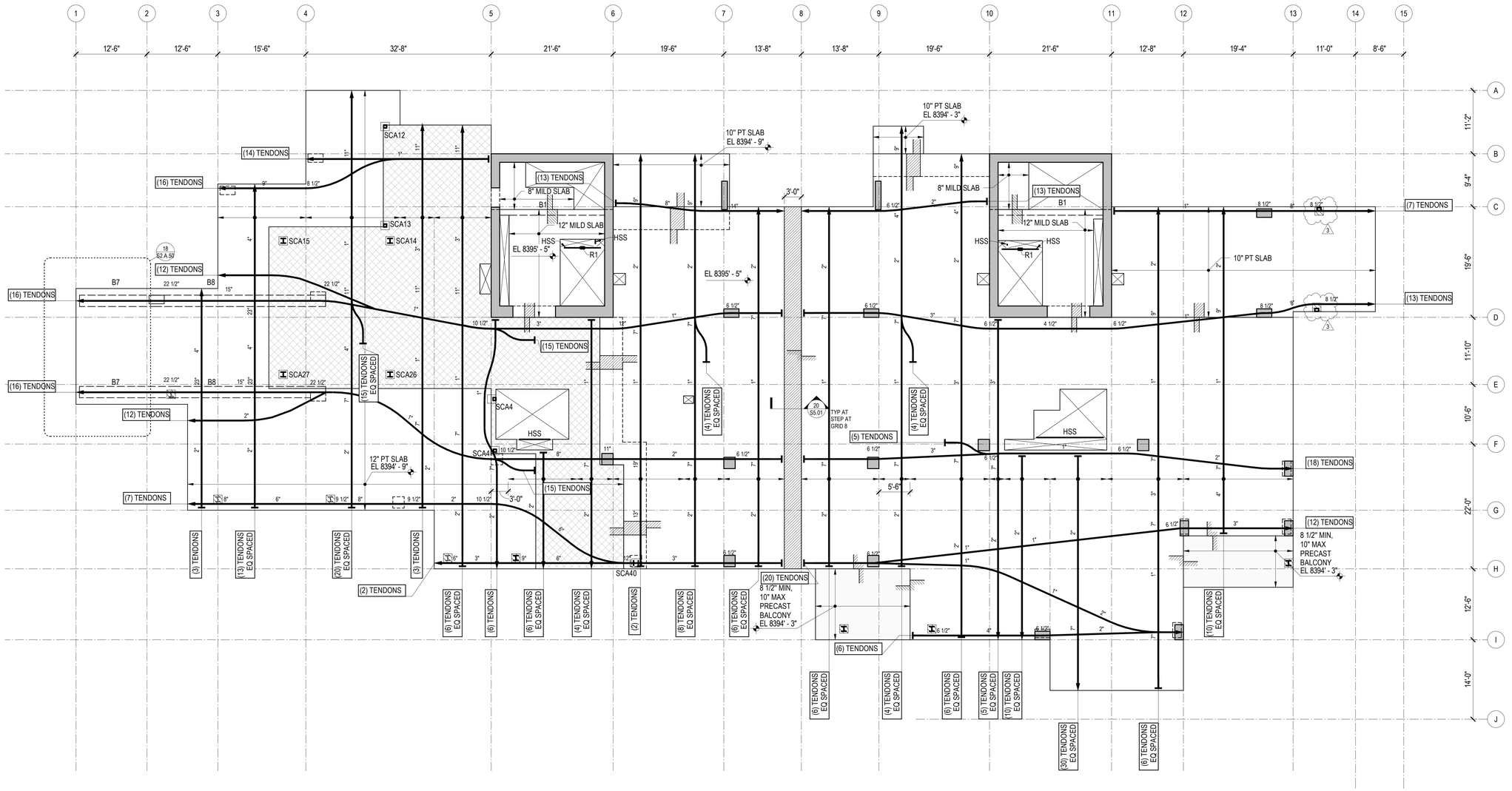
no.	date	by
3	8/19/2024	ASI-004
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 4 FRAMING PLAN

S2.A.14



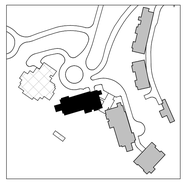
1 TOWER A - LEVEL 5 FRAMING PLAN
1/8" = 1'-0"

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

revisions:

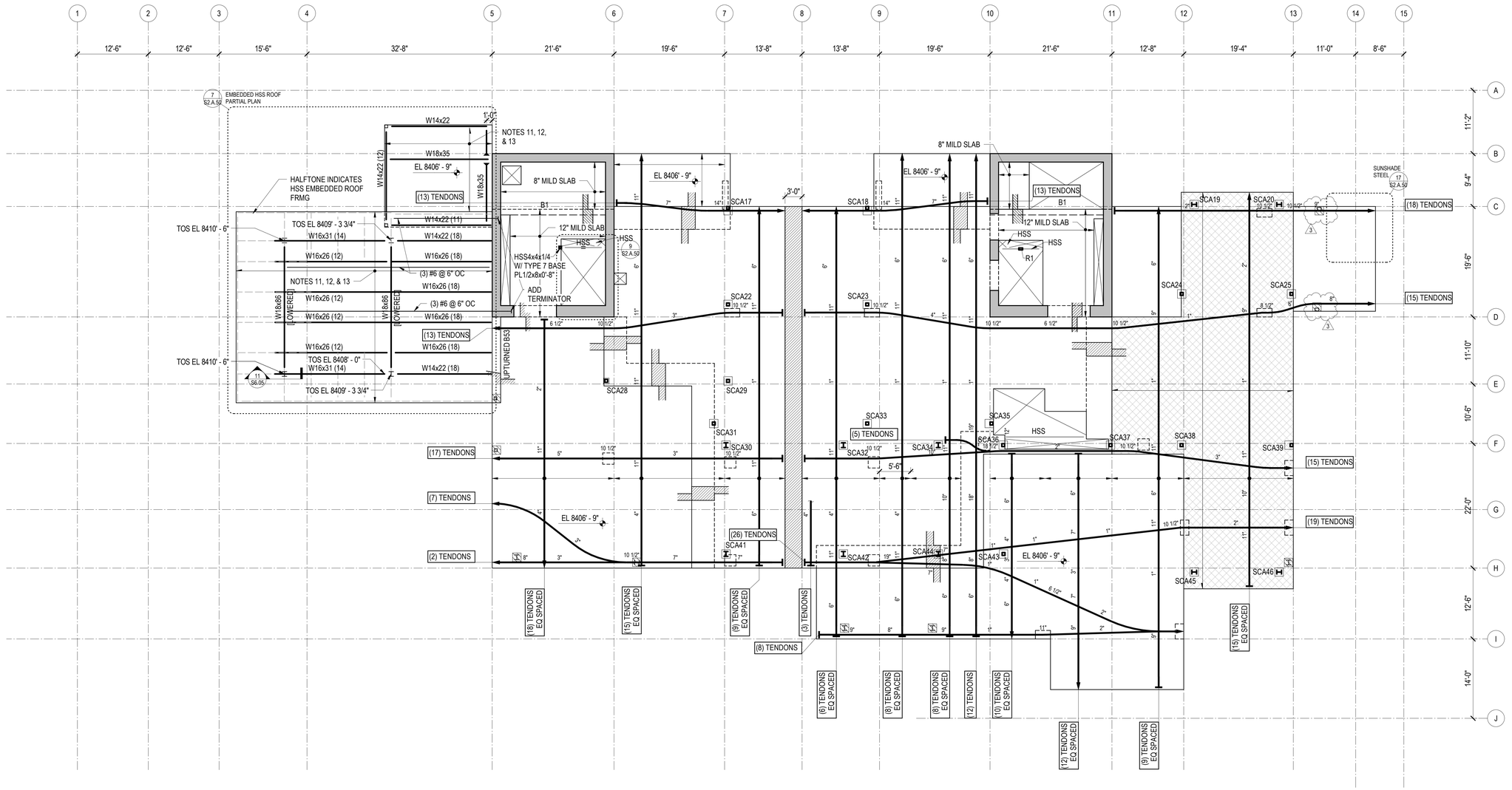
no.	date	by
3	8/19/2024 ASI-004	
	04/08/2024 IFC SET 1 OF 3	
	11/18/2022 95% CD	

IFC SET 2 OF 3

05/17/2024

TOWER A LEVEL 5 FRAMING PLAN

S2.A.15



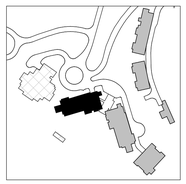
1 TOWER A - LEVEL 6 FRAMING PLAN
1/8" = 1'-0"

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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job no. 20052
date 05/17/2024

revisions:

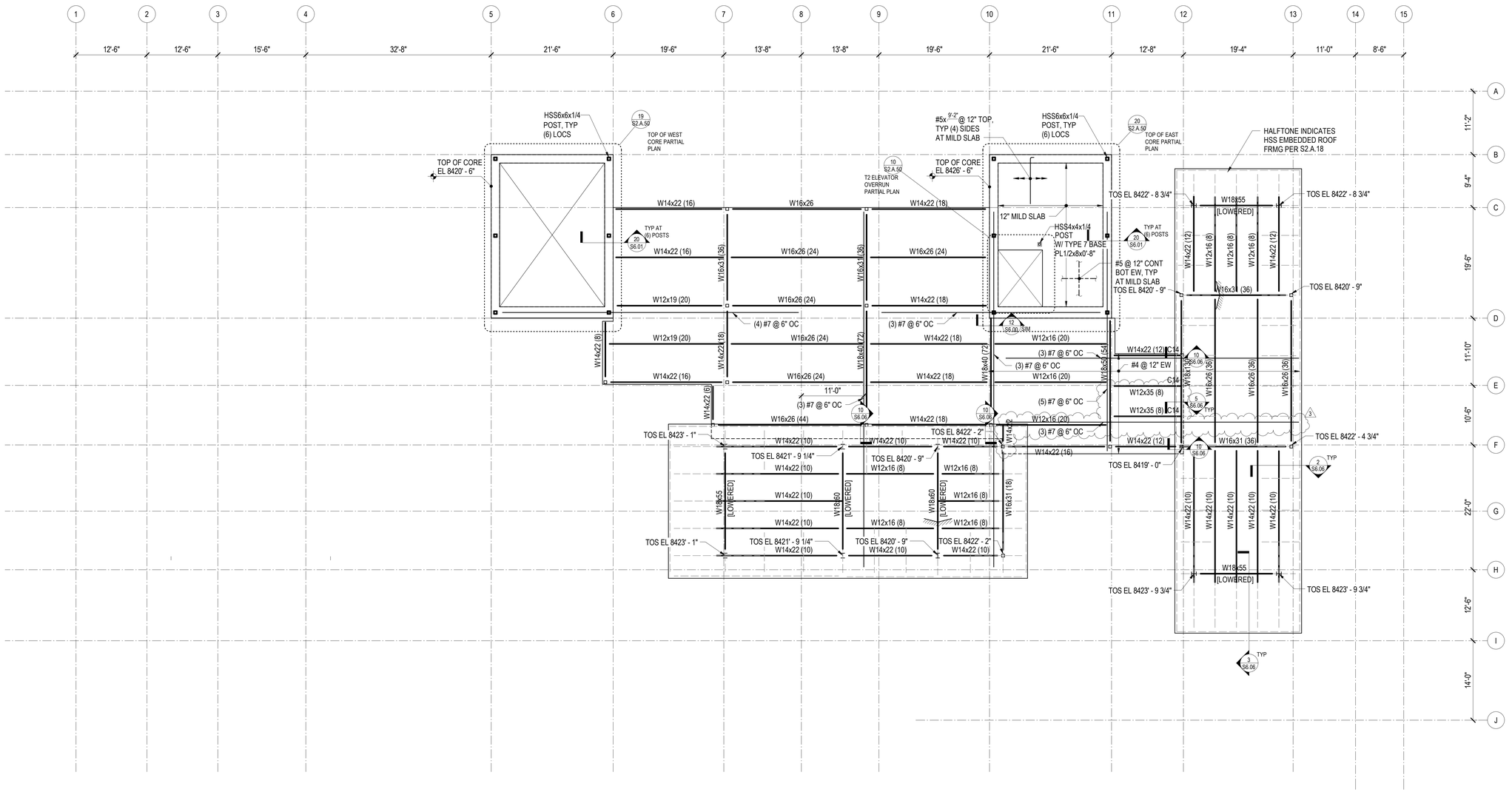
no.	date	by
3	8/19/2024	ASI-004
2	7/26/2024	ASI-002
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

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

revisions:

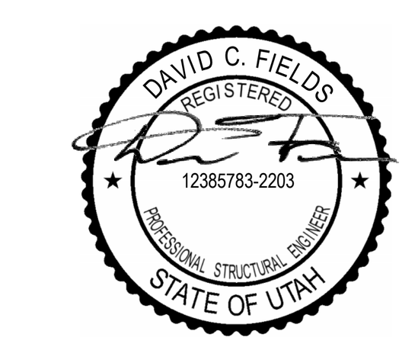
no.	date	by
3	8/19/2024	ASI-004
2	7/26/2024	ASI-002
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER A ROOF FRAMING PLAN

S2.A.17



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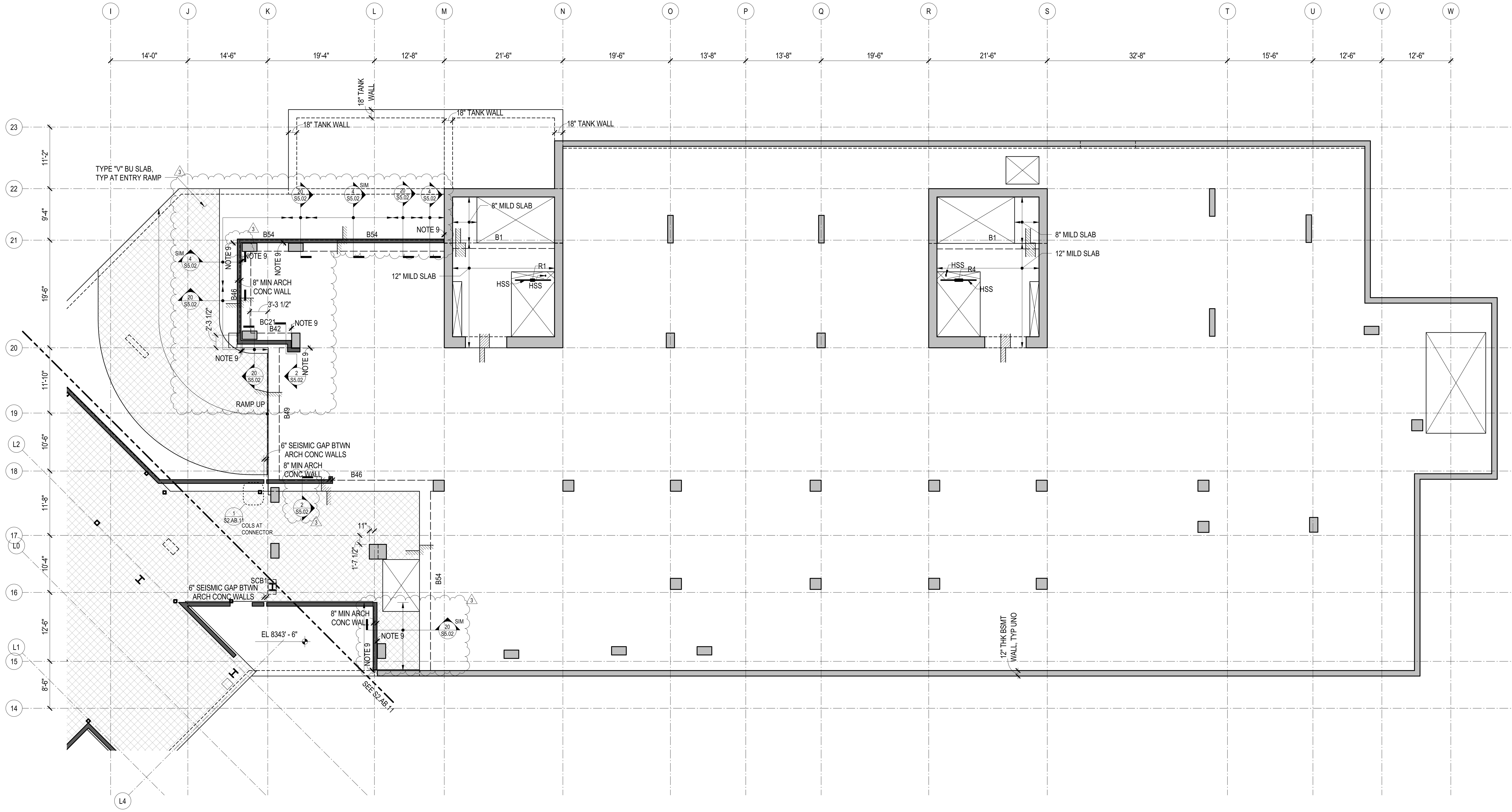


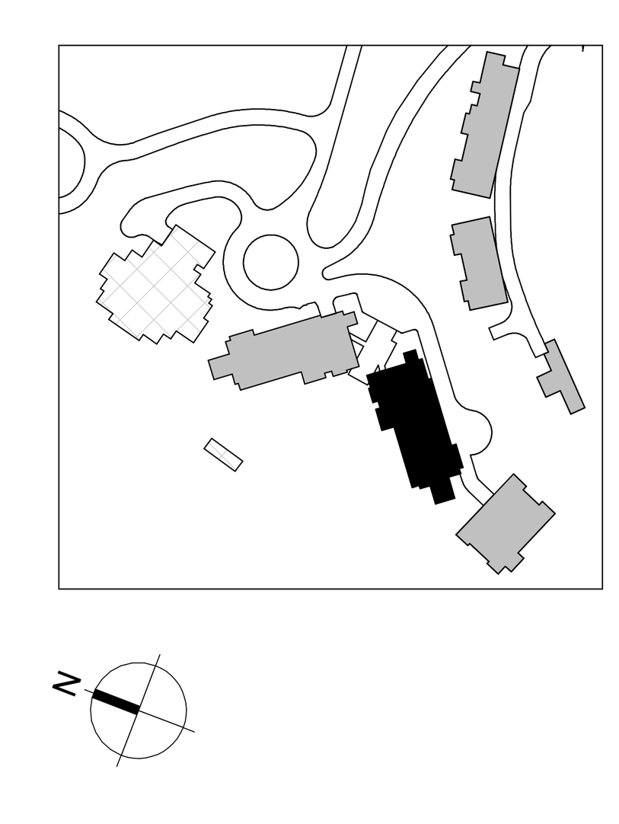
1 TOWER B - PARKING LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

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.
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-INCH MINIMUM GAP TO PRIMARY STRUCTURAL COLUMNS / WALLS / SLAB EDGE.



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

revisions:

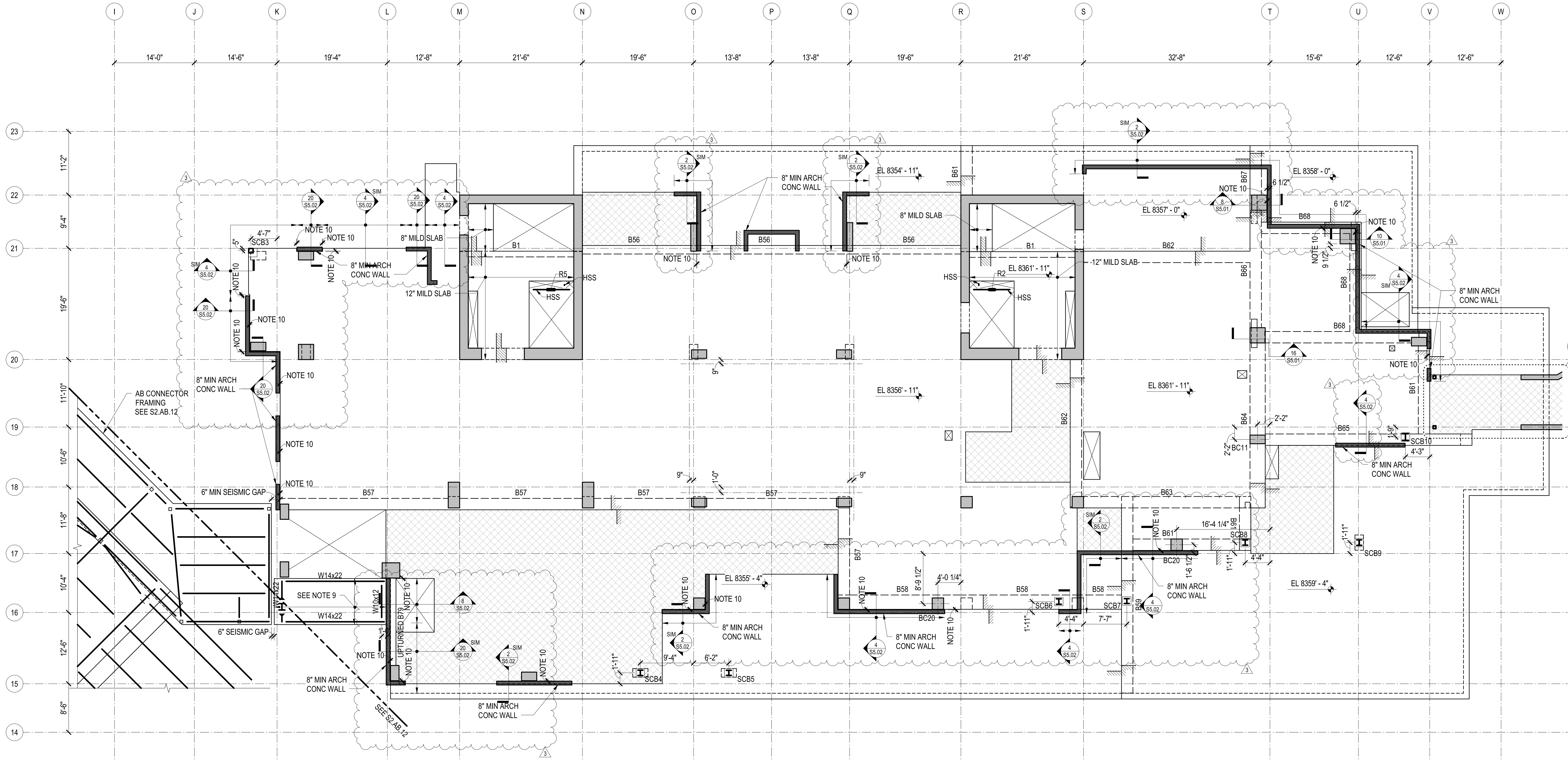
no.	date		by
3	8/19/2024	ASI-004	
	04/08/2024	IFC SET 1 OF 3	
	11/18/2022	95% CD	

IFC SET 2 OF 3

05/17/2024

TOWER B LEVEL P1 FRAMING PLAN

S2.B.03



1 TOWER B - LEVEL 1 FRAMING PLAN

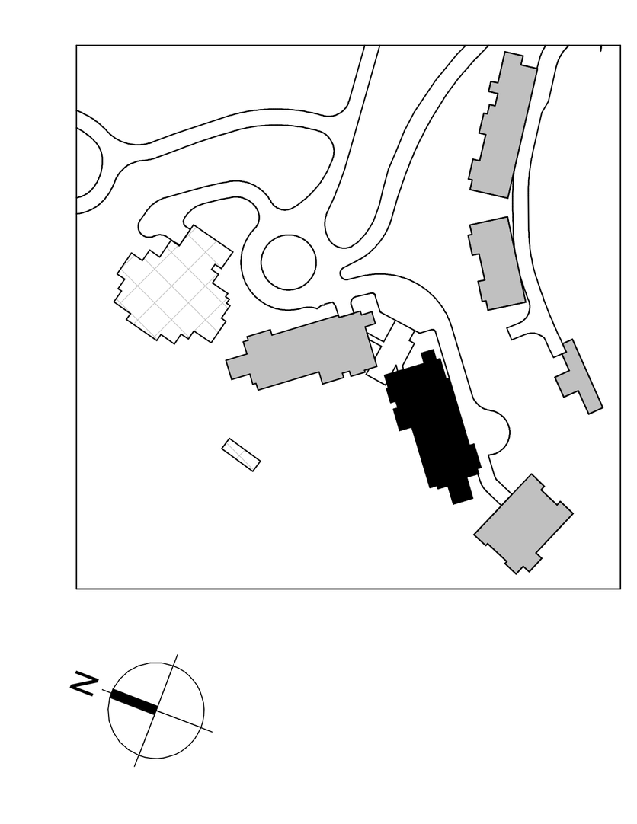
1/8" = 1'-0"

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 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. [hatched box symbol] 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.



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principal architect ______
project manager ______
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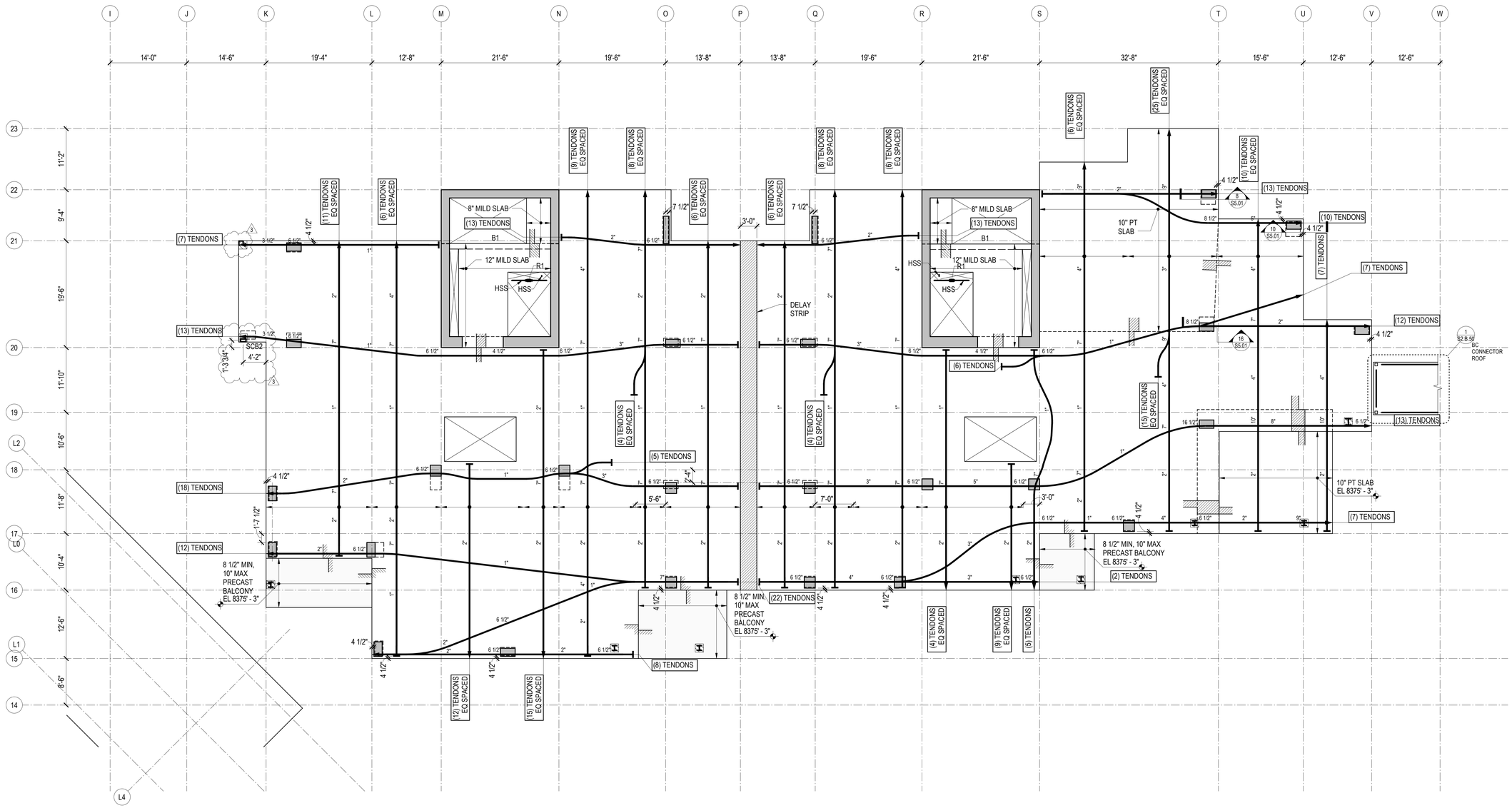
	11/18/2022	95% CD	

IFC SET 2 OF 3

05/17/2024

TOWER B LEVEL 1 FRAMING PLAN

S2.B.11



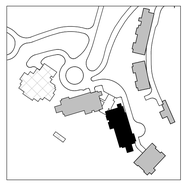
1 TOWER B - LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

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:

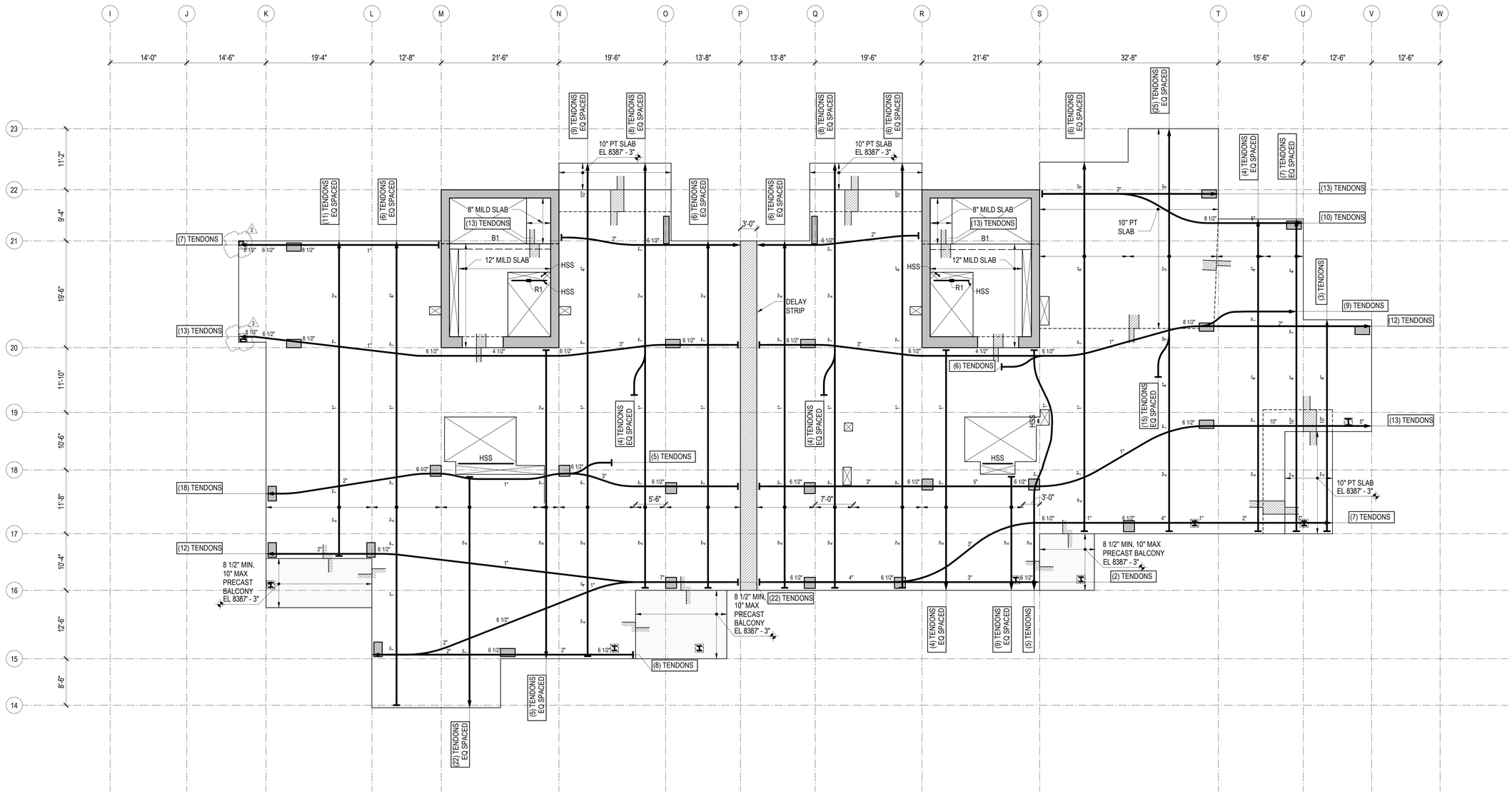
no.	date	by
3	8/19/2024	ASI-004
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TOWER B LEVEL 2 FRAMING PLAN

S2.B.12



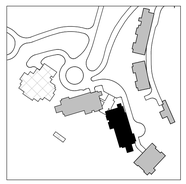
1 TOWER B - LEVEL 3 FRAMING PLAN
1/8" = 1'-0"

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.



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

revisions:

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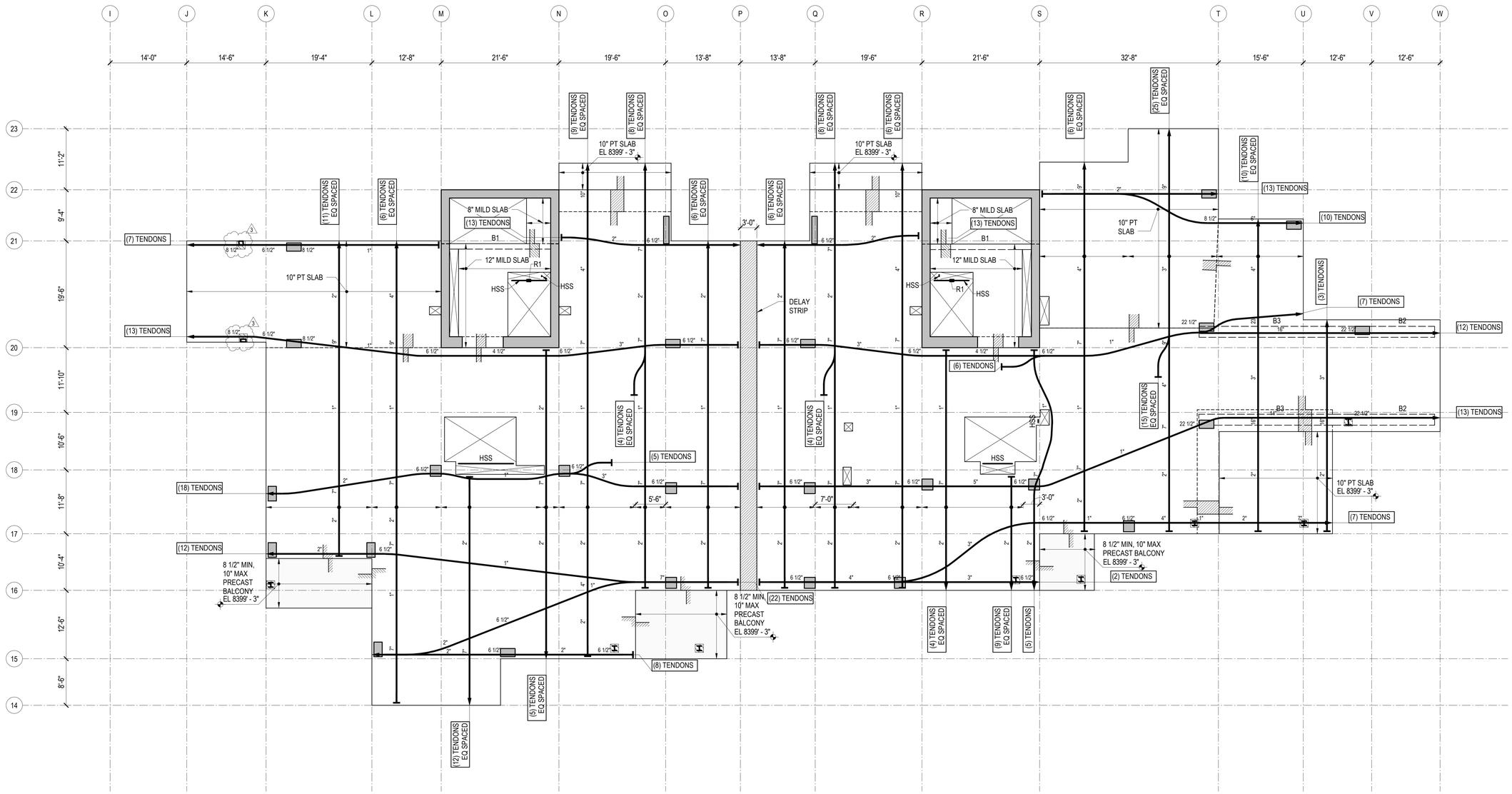
05/17/2024

TOWER B LEVEL 3 FRAMING PLAN

S2.B.13



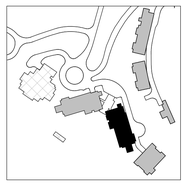
1 TOWER B - LEVEL 4 FRAMING PLAN
1/8" = 1'-0"

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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job no. 20052
date 05/17/2024

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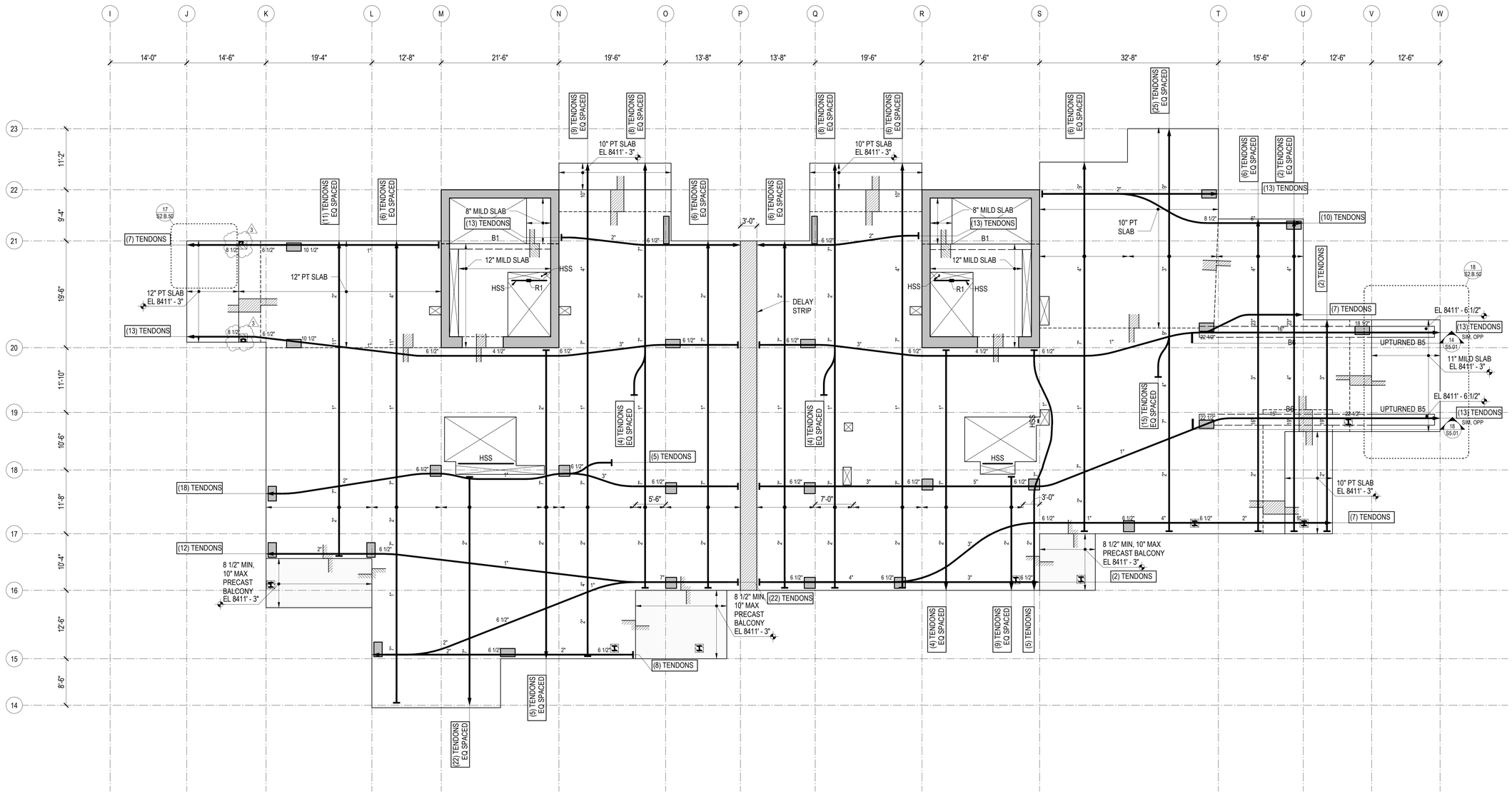
TOWER B LEVEL 4 FRAMING PLAN

S2.B.14



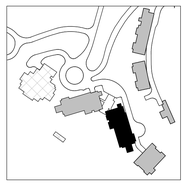
1 TOWER B - LEVEL 5 FRAMING PLAN
1/8" = 1'-0"

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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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
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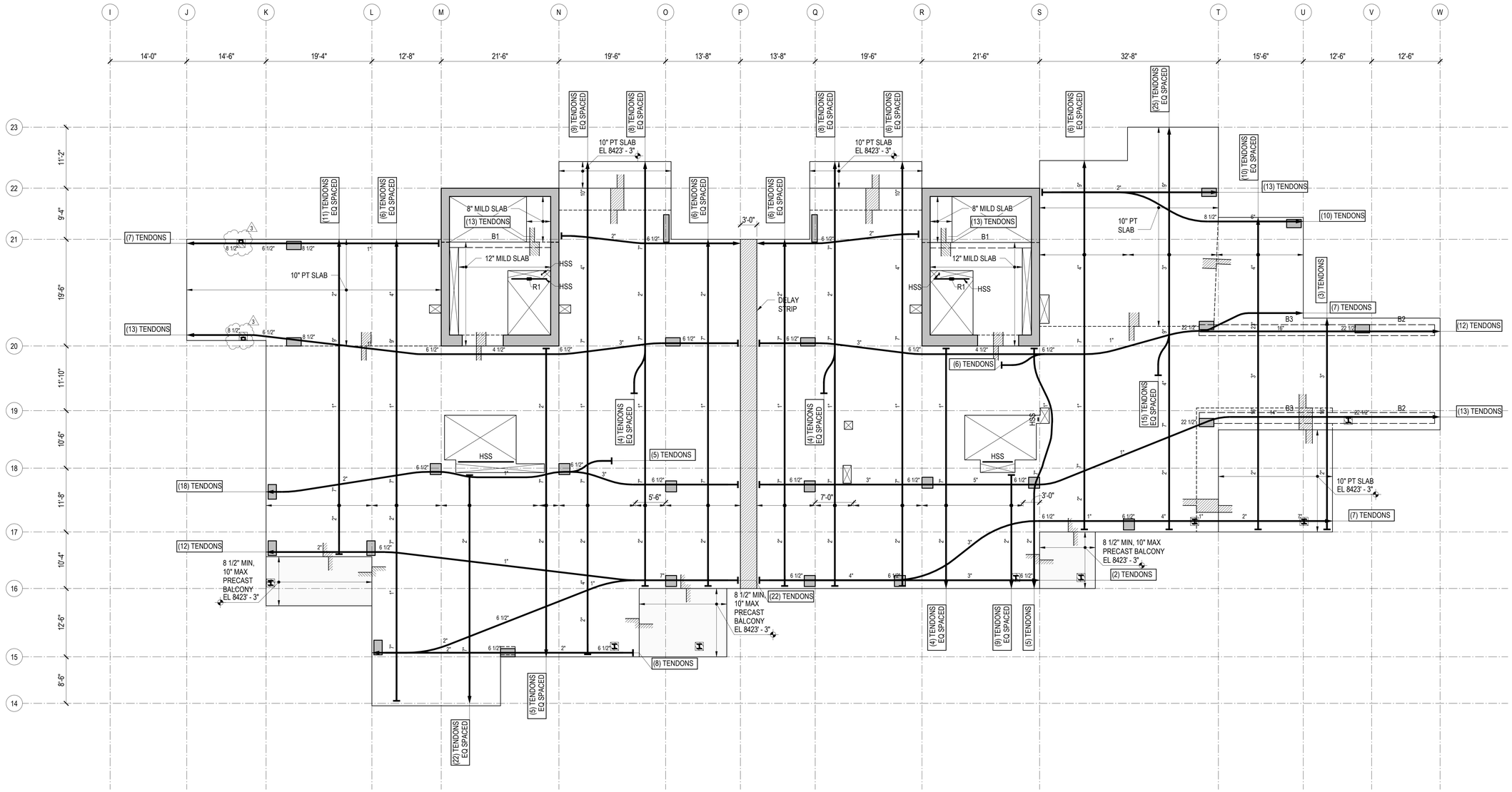
IFC SET 2 OF 3

05/17/2024

TOWER B LEVEL 5 FRAMING PLAN

S2.B.15



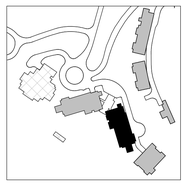
1 TOWER B - LEVEL 6 FRAMING PLAN
1/8" = 1'-0"

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.
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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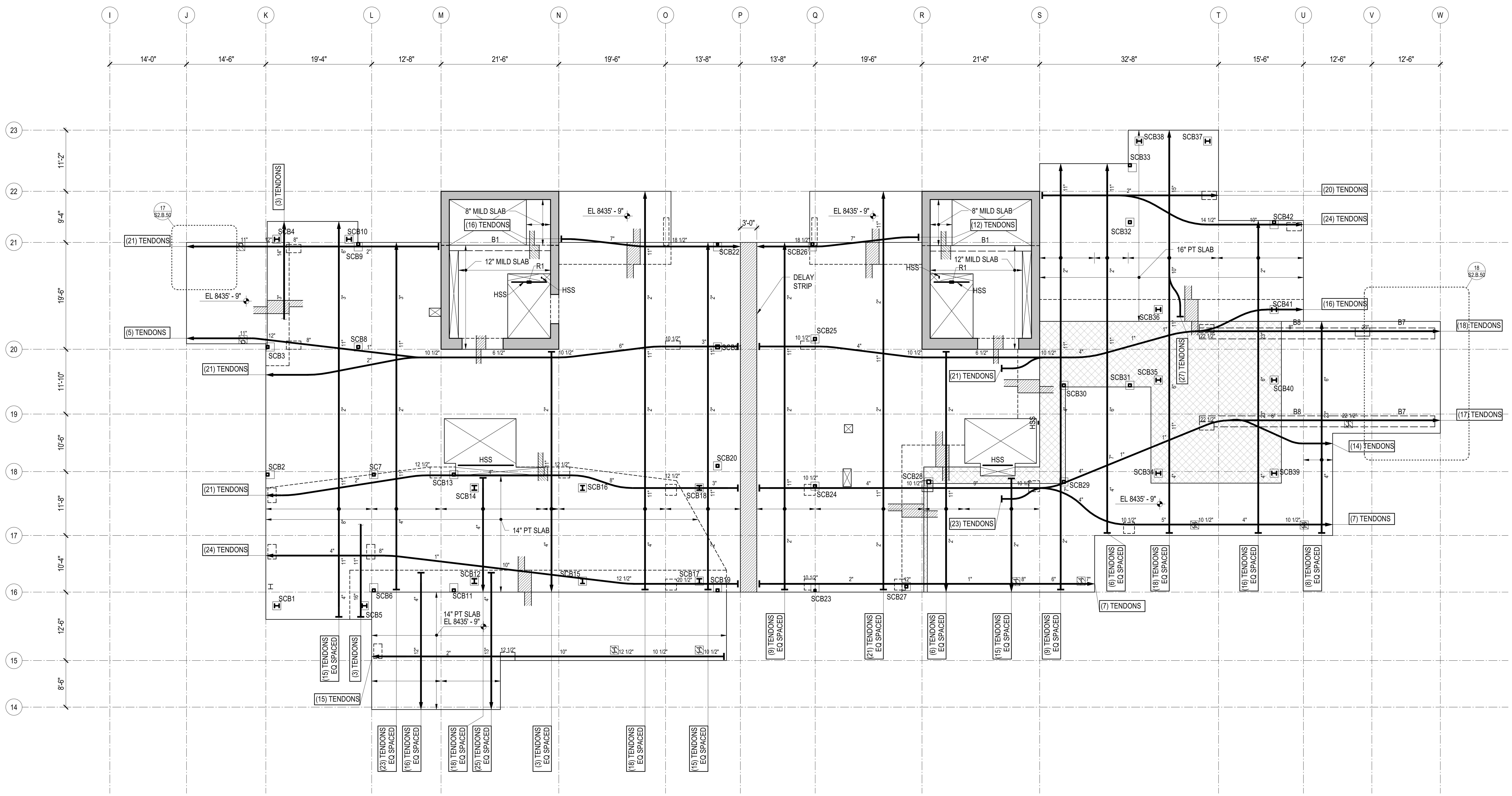
TOWER B LEVEL 6 FRAMING PLAN

S2.B.16



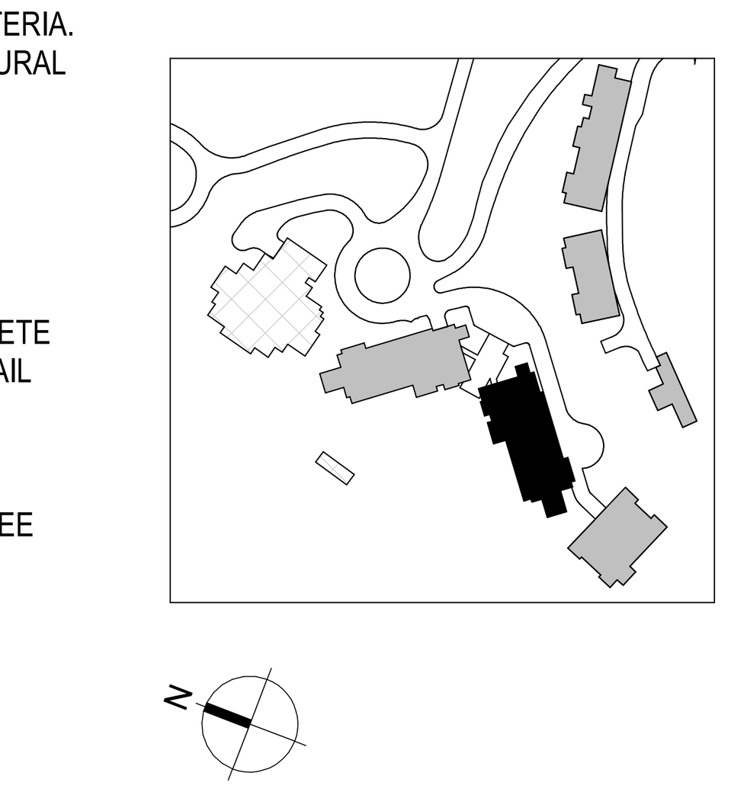
1 TOWER B - LEVEL 7 FRAMING PLAN
1/8" = 1'-0"

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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IFC SET 2 OF 3

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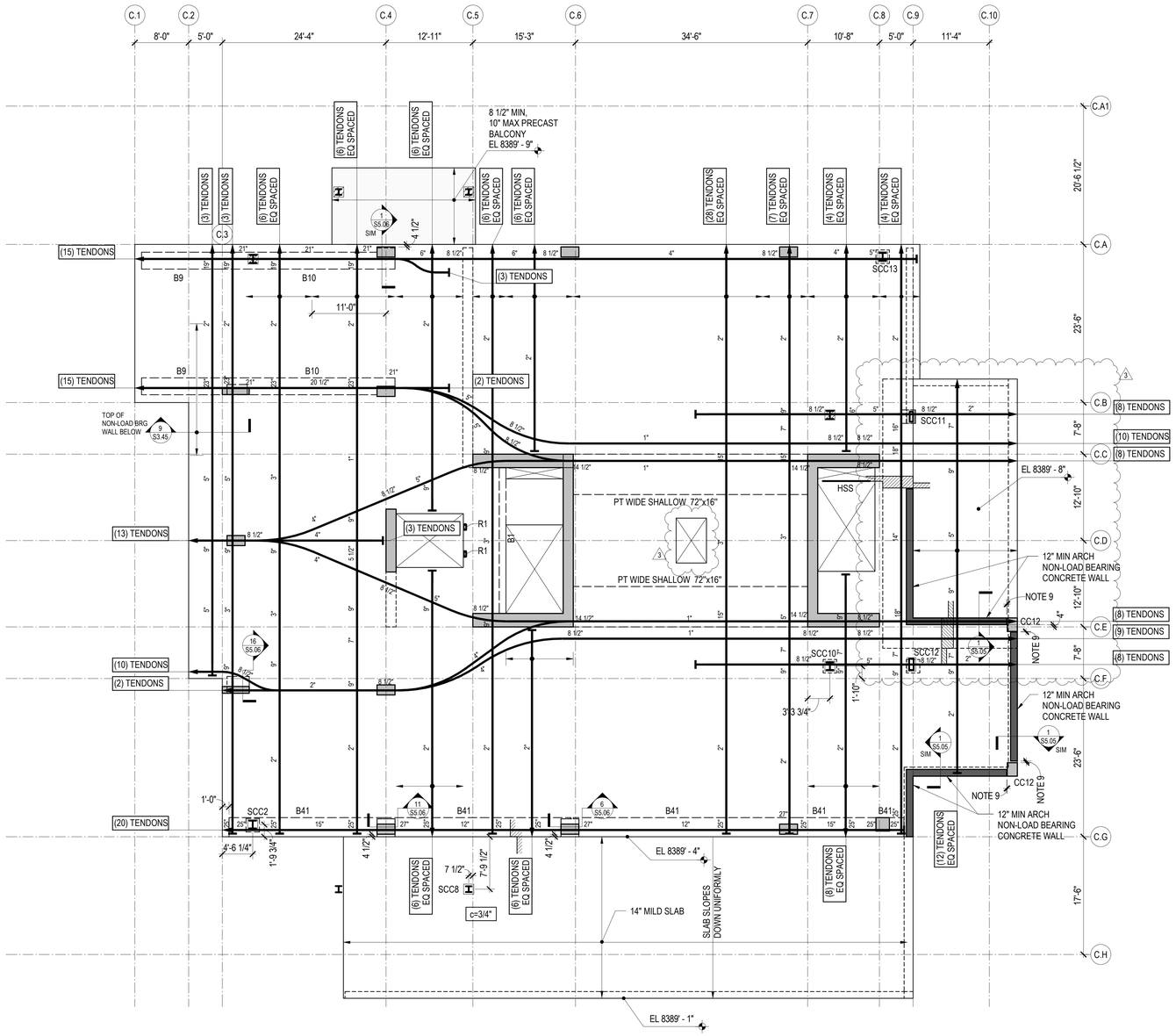
TOWER B LEVEL 7
FRAMING PLAN

S2.B.17



1 TOWER C - LEVEL 2 FRAMING PLAN

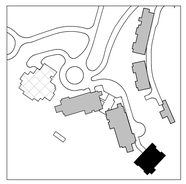
1/8" = 1'-0"

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
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1	05/17/2024	IFC 2
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

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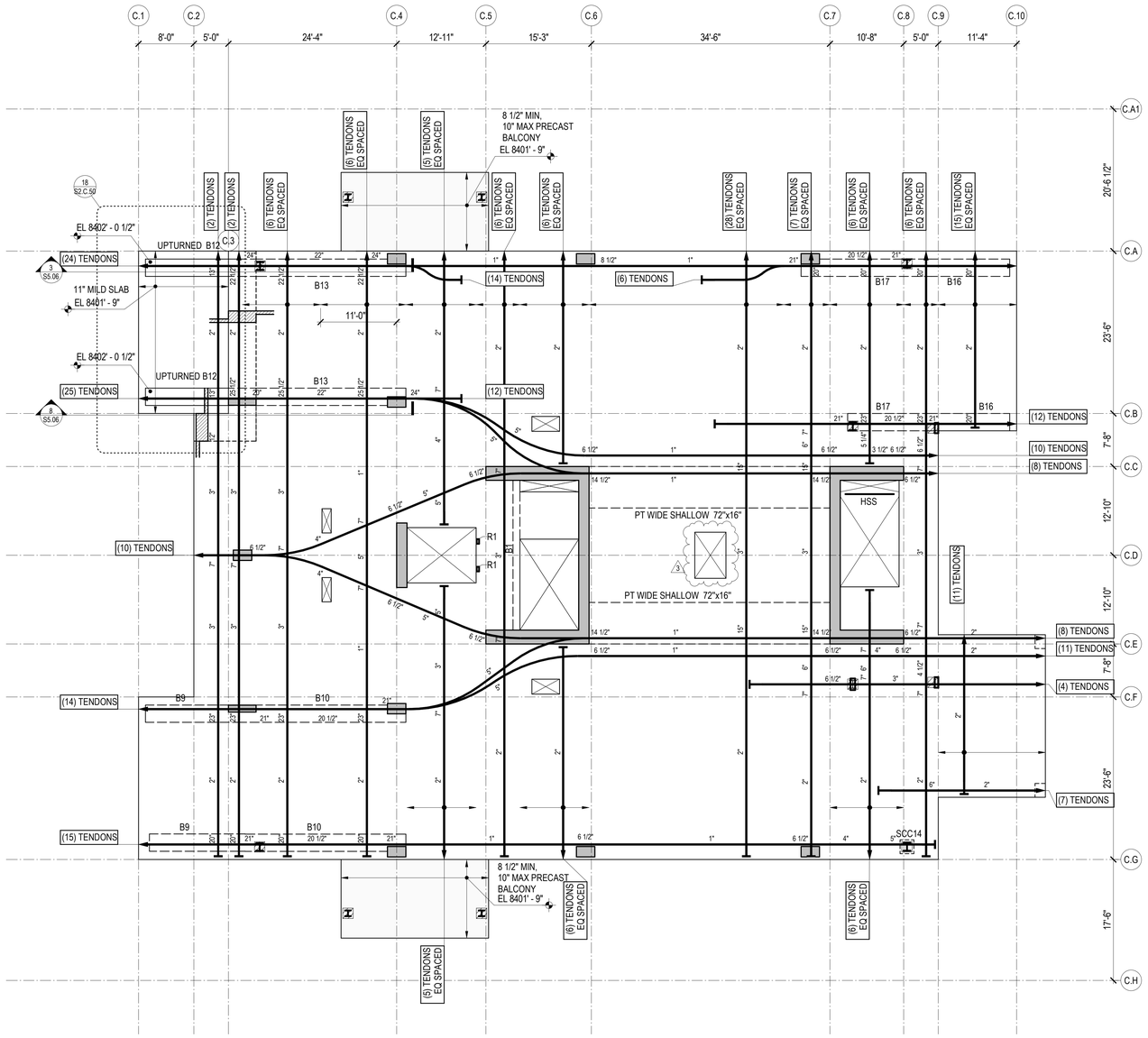
TOWER C LEVEL 2
FRAMING PLAN

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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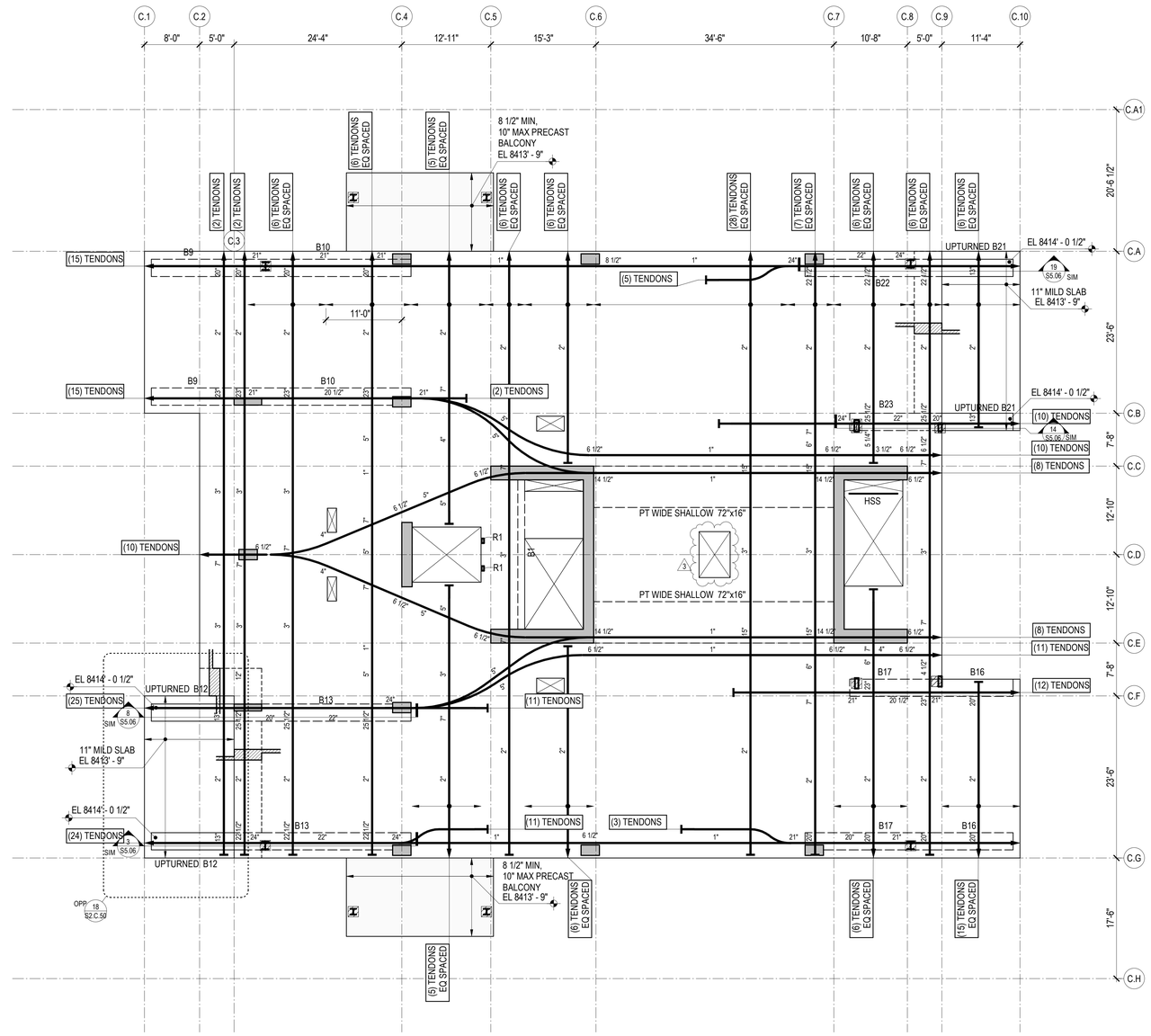
TOWER C LEVEL 3
FRAMING PLAN

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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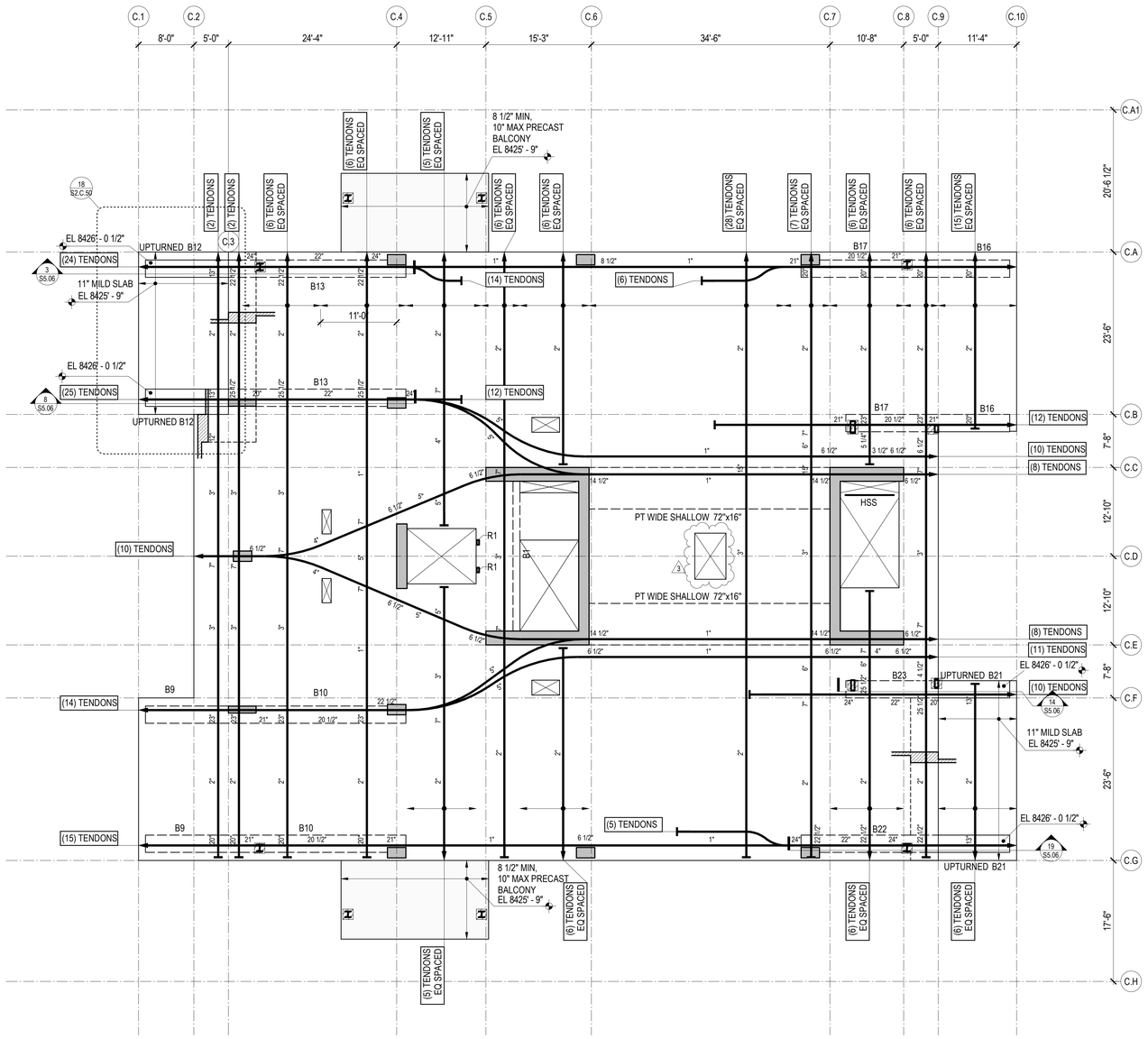
TOWER C LEVEL 4 FRAMING PLAN

S2.C.14



1 TOWER C - LEVEL 5 FRAMING PLAN

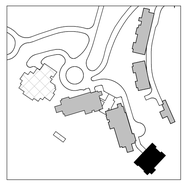
1/8" = 1'-0"

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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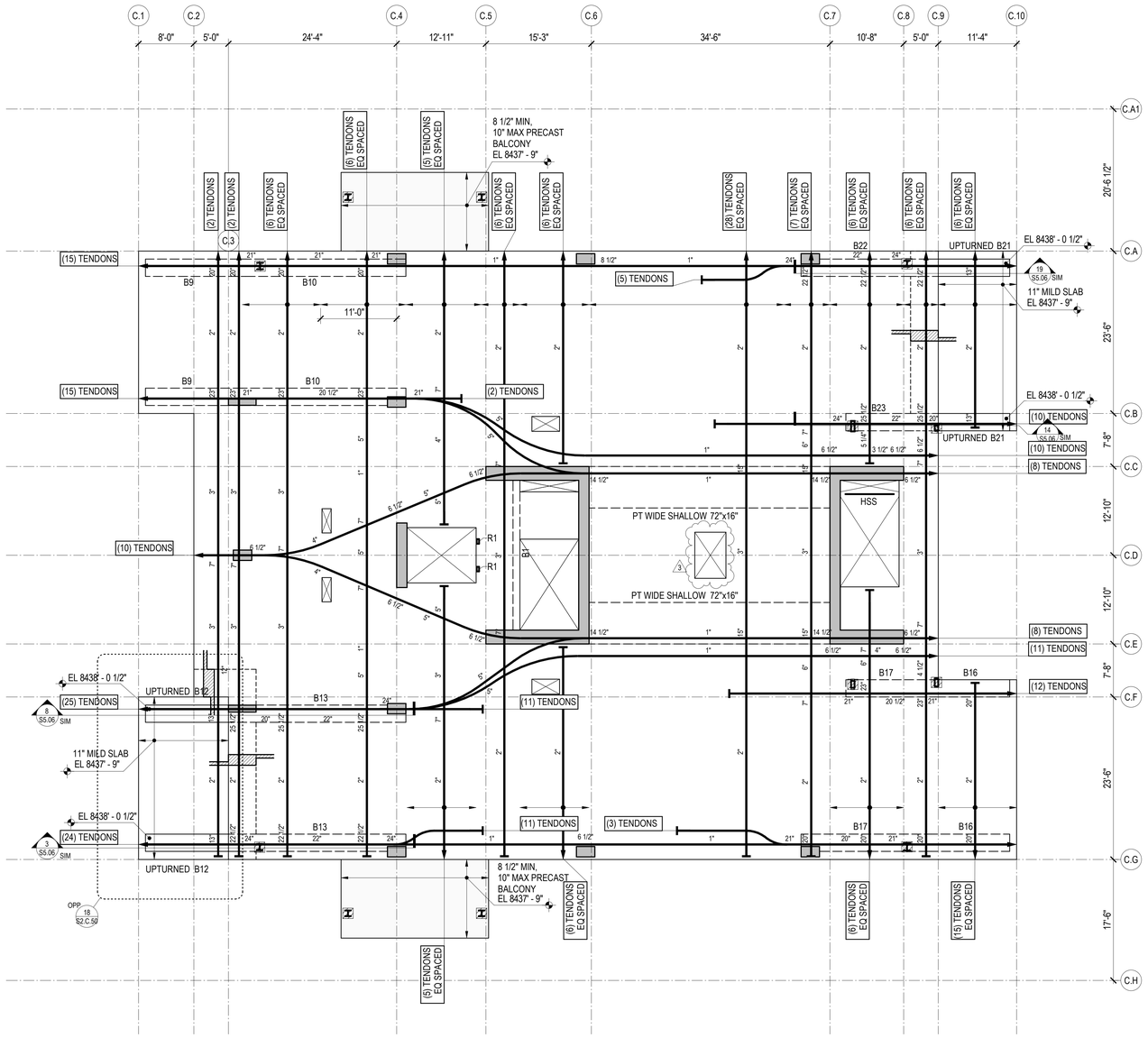
TOWER C LEVEL 5 FRAMING PLAN

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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date 05/17/2024

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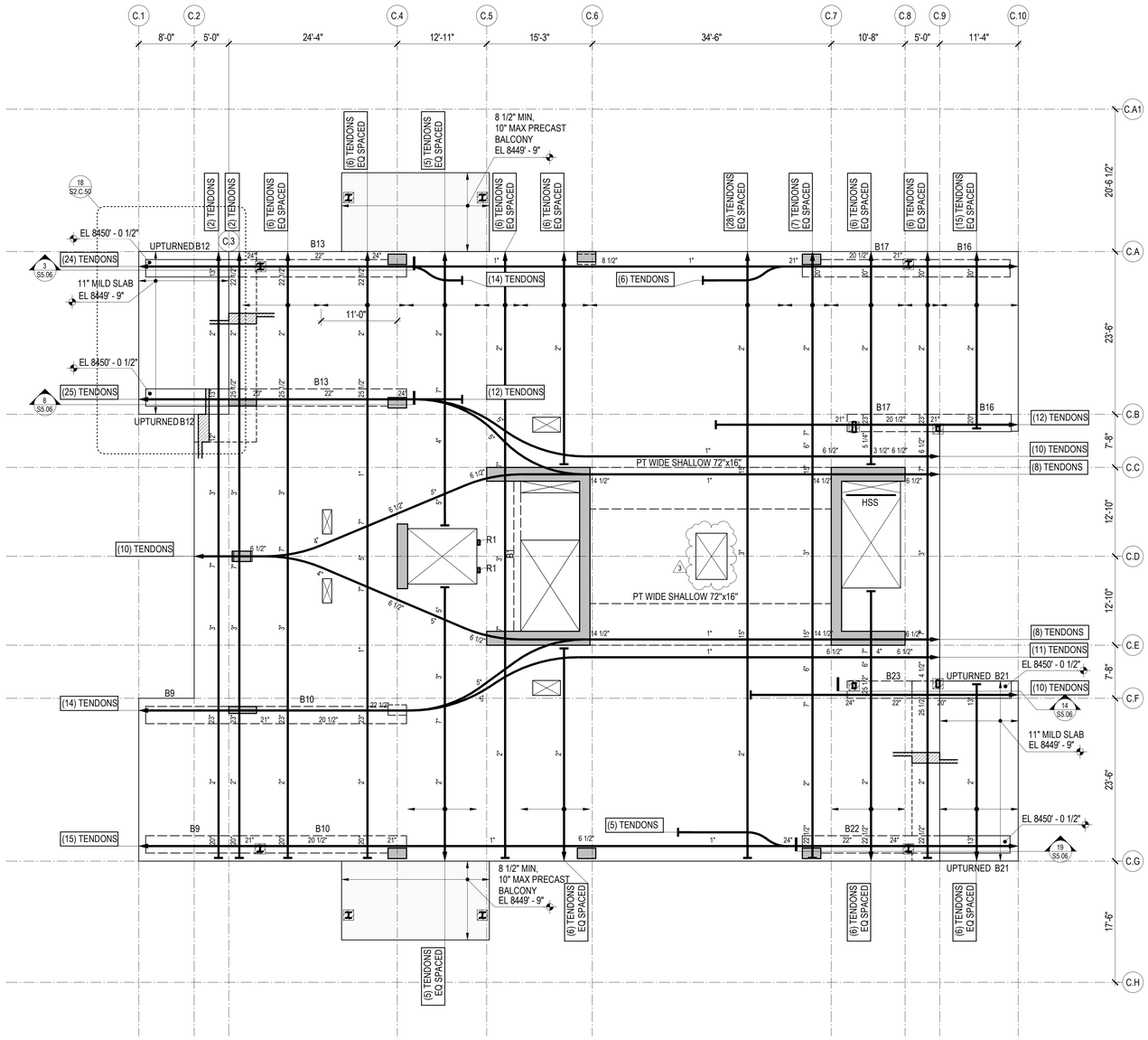
TOWER C LEVEL 6 FRAMING PLAN

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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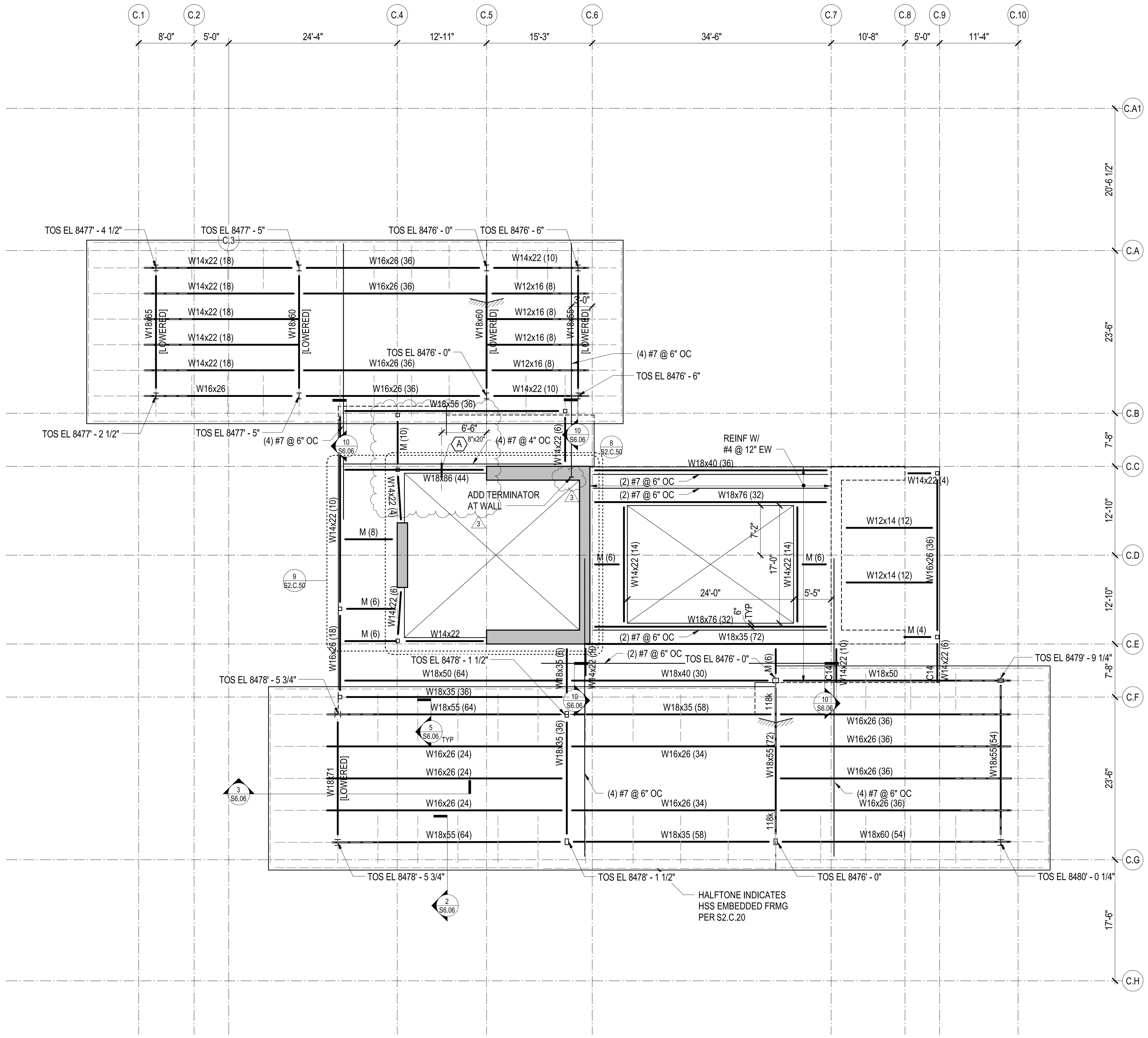
TOWER C LEVEL 7 FRAMING PLAN

S2.C.17



1 TOWER C - ROOF LEVEL FRAMING PLAN

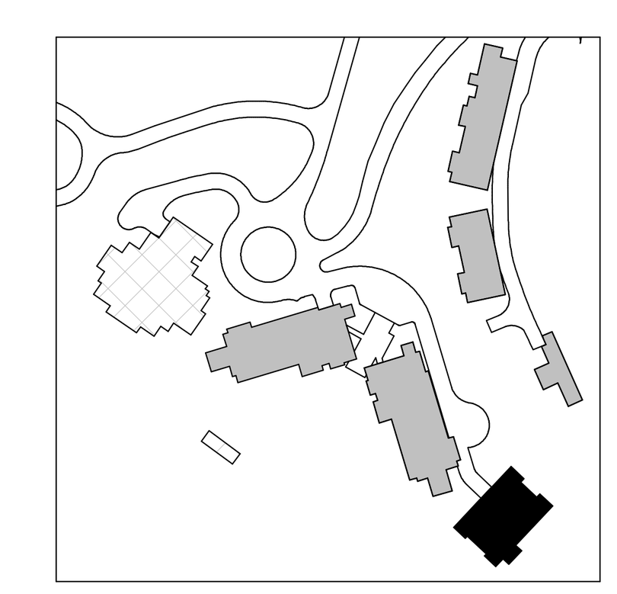
1/8" = 1'-0"

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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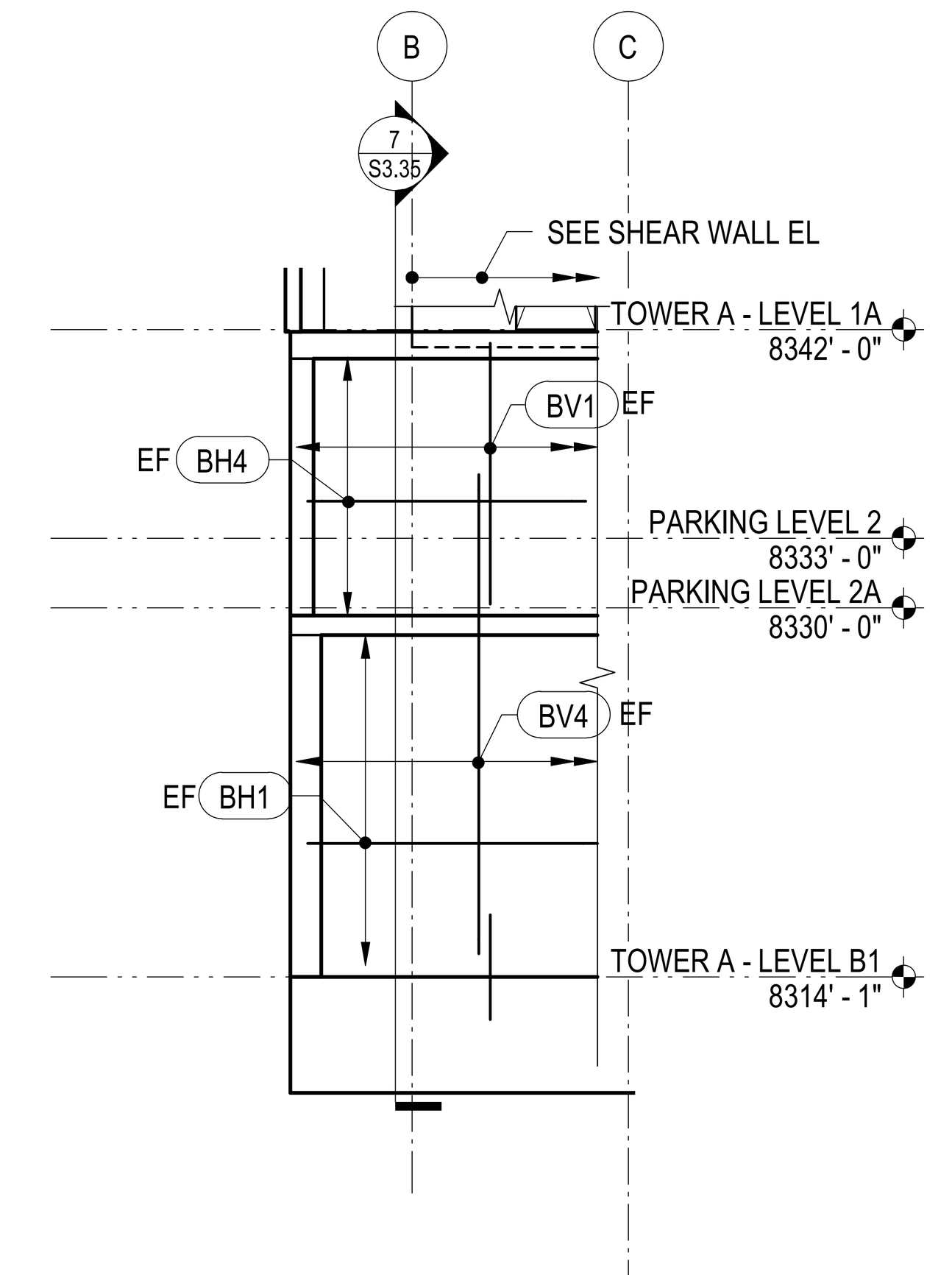
1	05/17/2024	IFC 2	
	04/08/2024	IFC SET 1 OF 3	
	11/18/2022	95% CD	

NOT FOR CONSTRUCTION

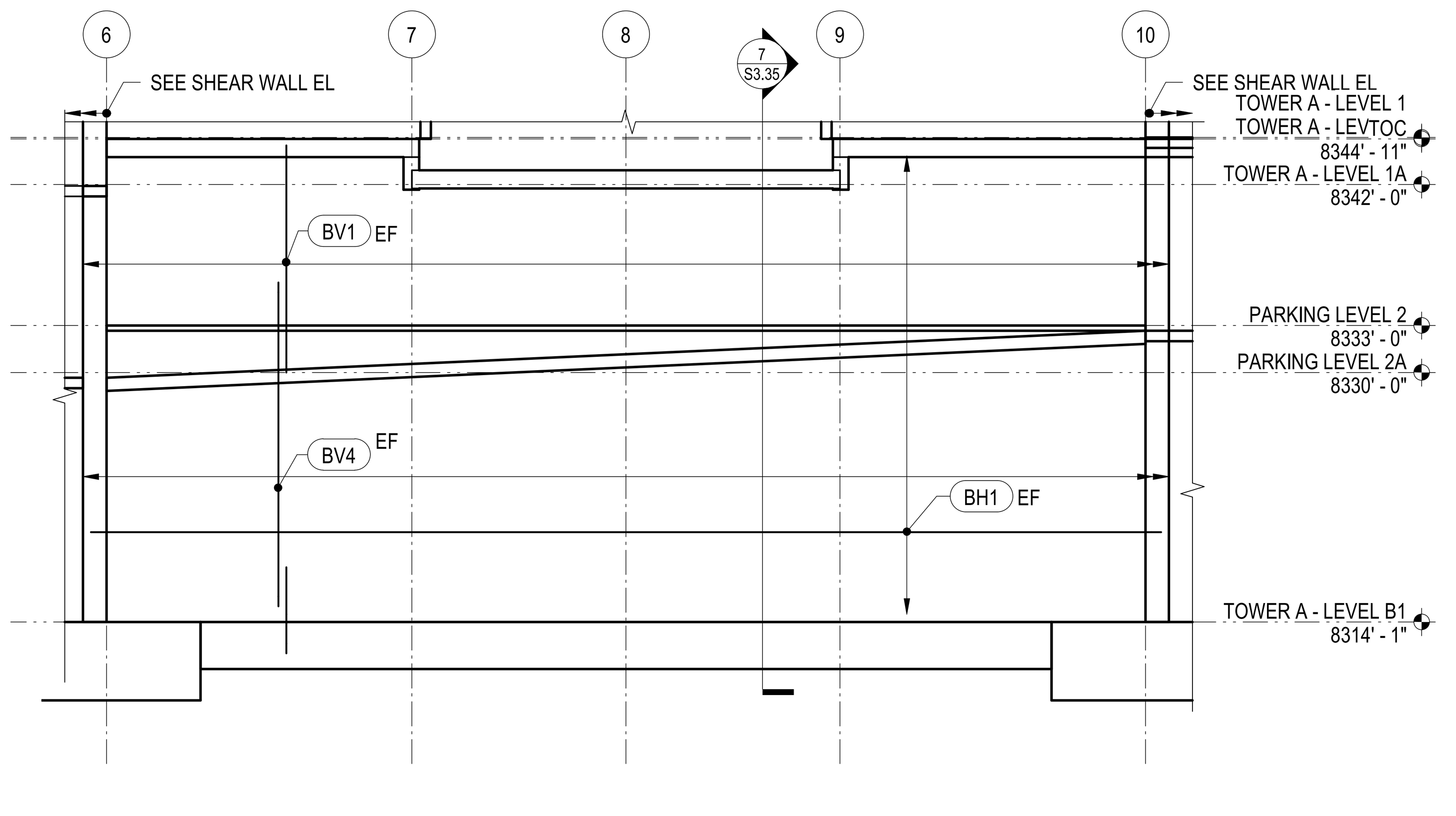
05/17/2024

TOWER C ROOF LEVEL FRAMING PLAN

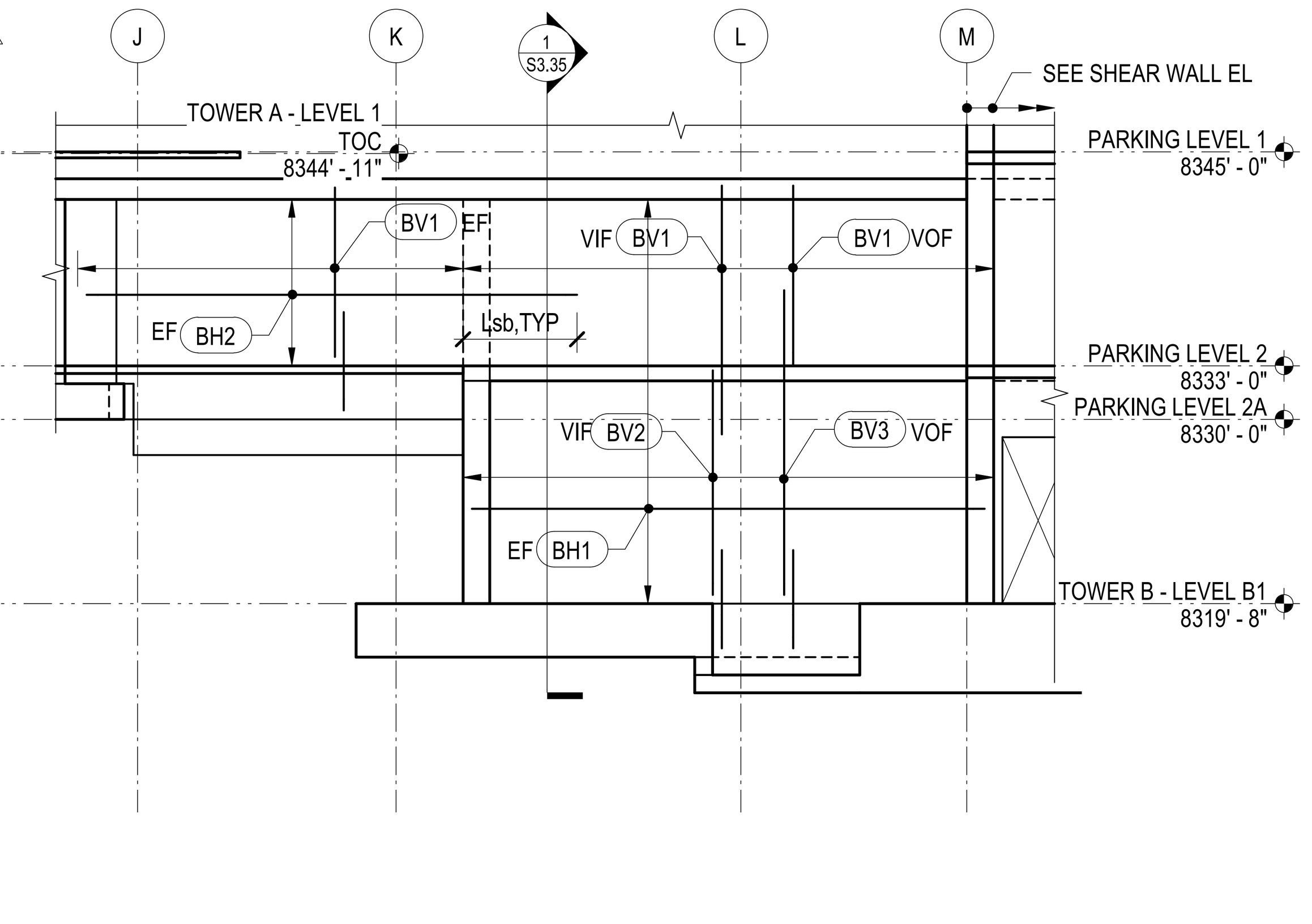
S2.C.19



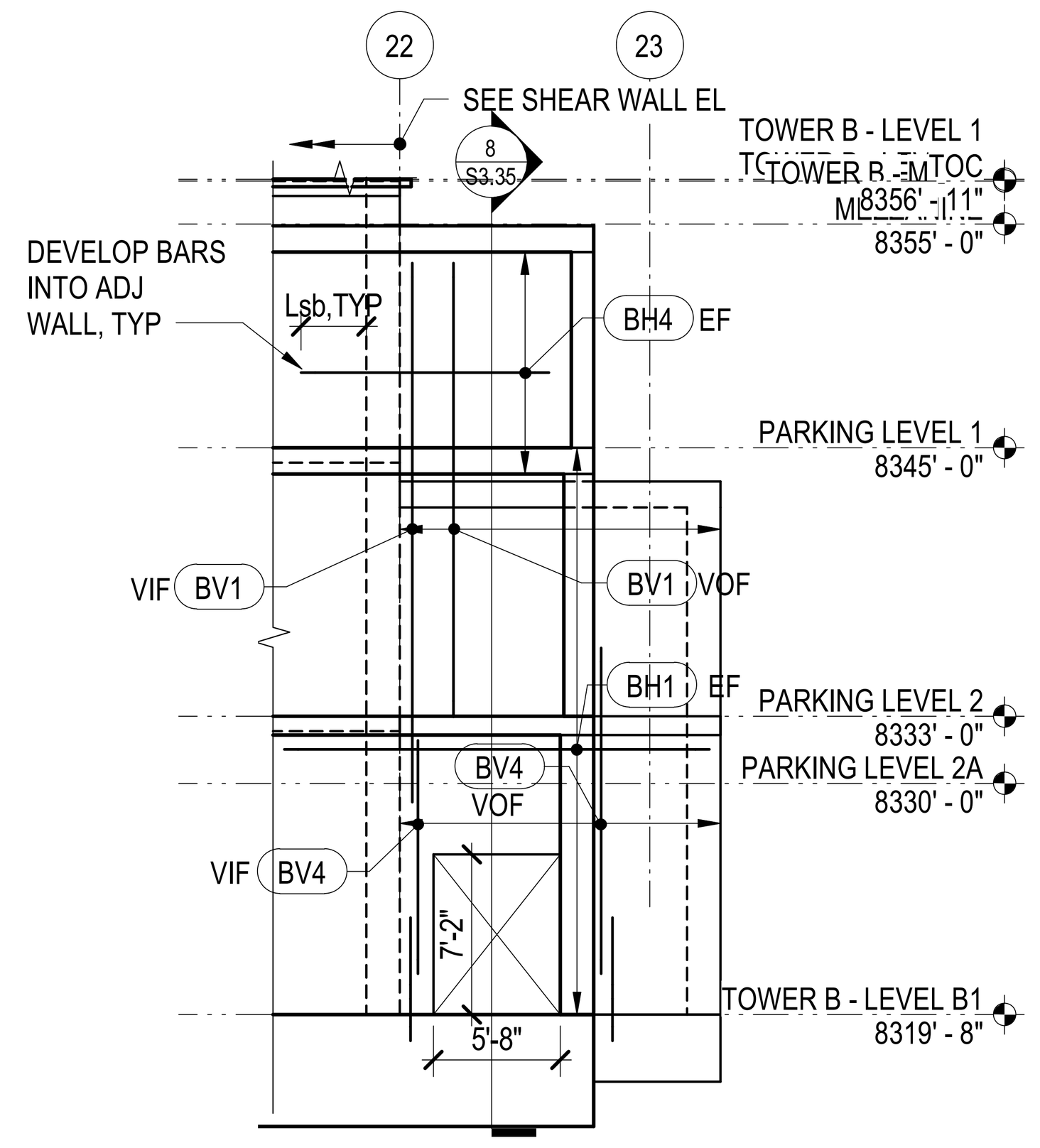
8 BASEMENT WALL ELEVATION
1/8" = 1'-0"



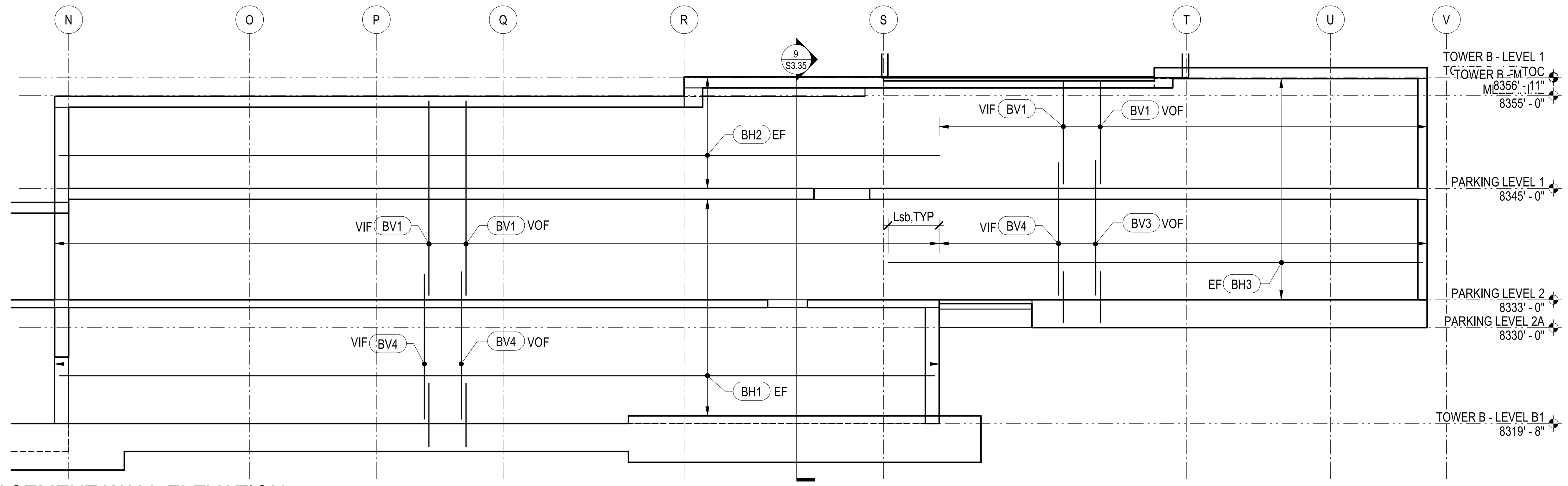
9 BASEMENT WALL ELEVATION
1/8" = 1'-0"



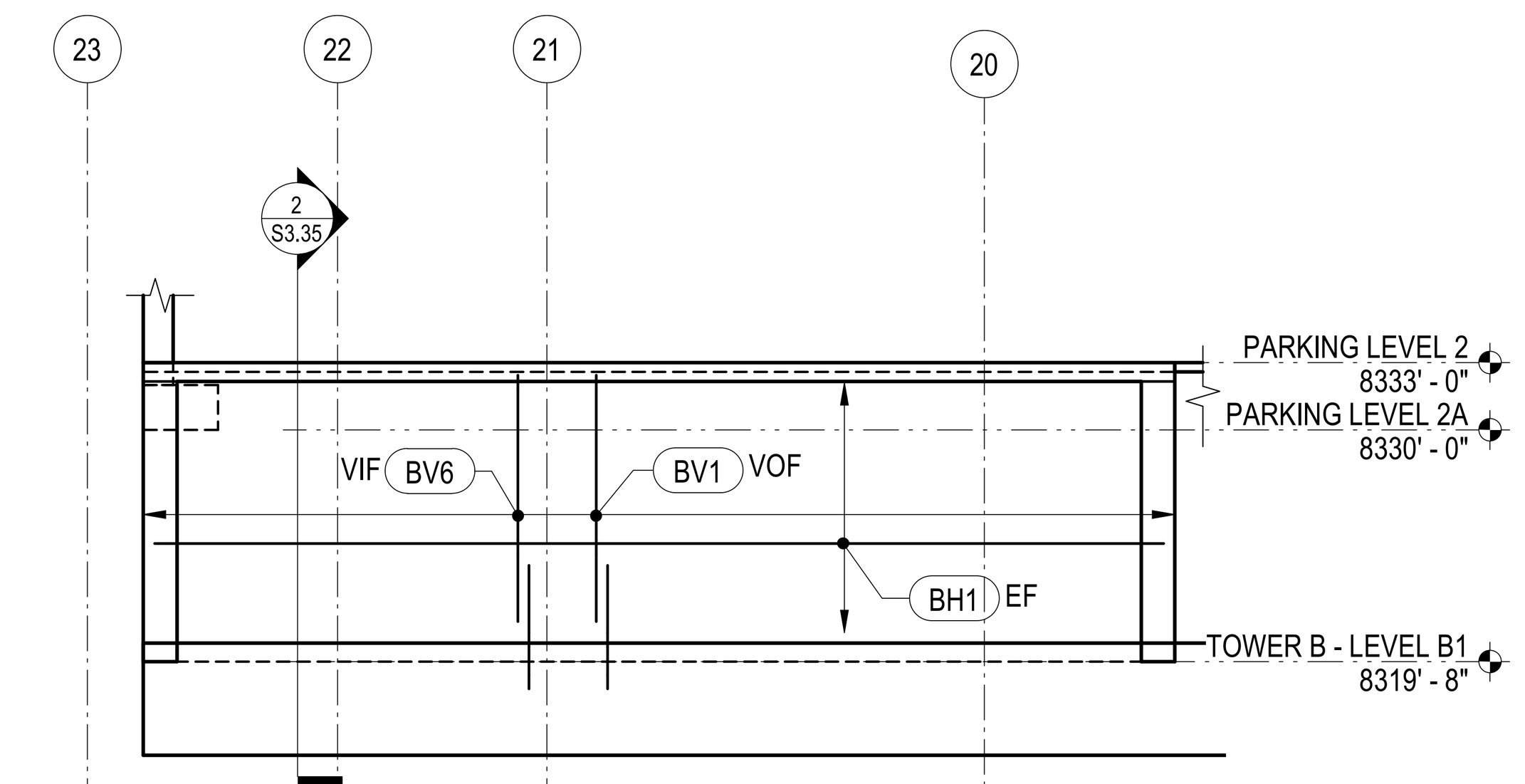
11 BASEMENT WALL ELEVATION
1/8" = 1'-0"



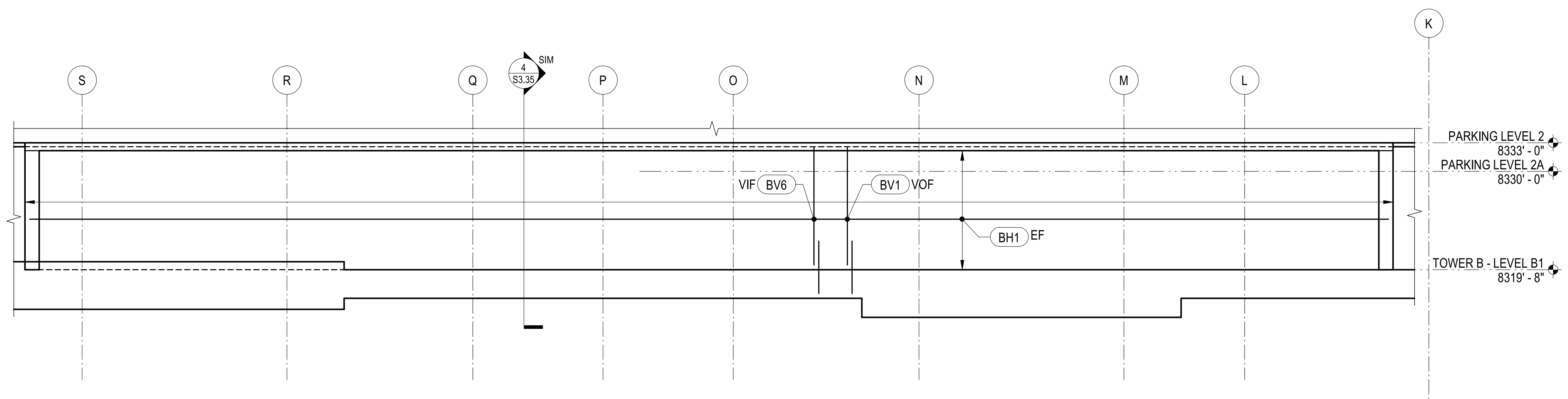
12 BASEMENT WALL ELEVATION
1/8" = 1'-0"



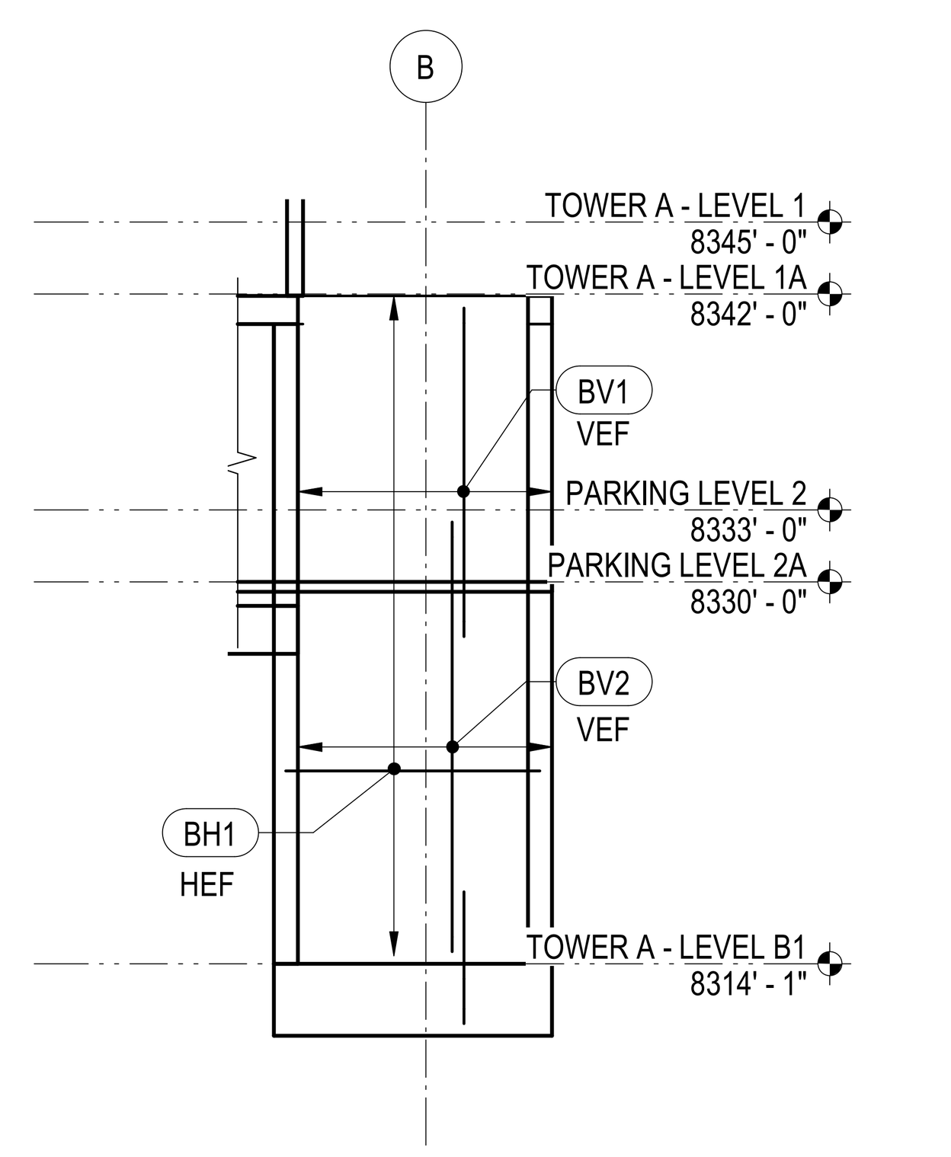
13 BASEMENT WALL ELEVATION
1/8" = 1'-0"



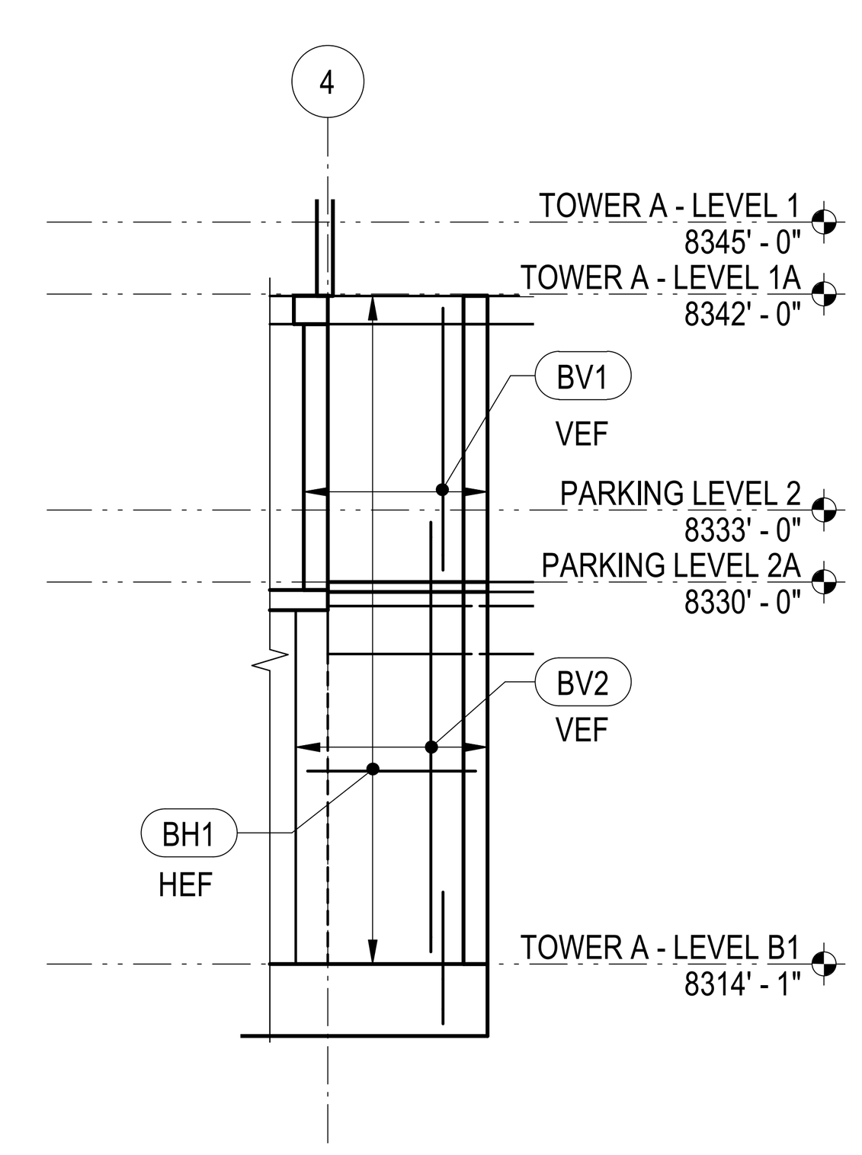
14 BASEMENT WALL ELEVATION
1/8" = 1'-0"



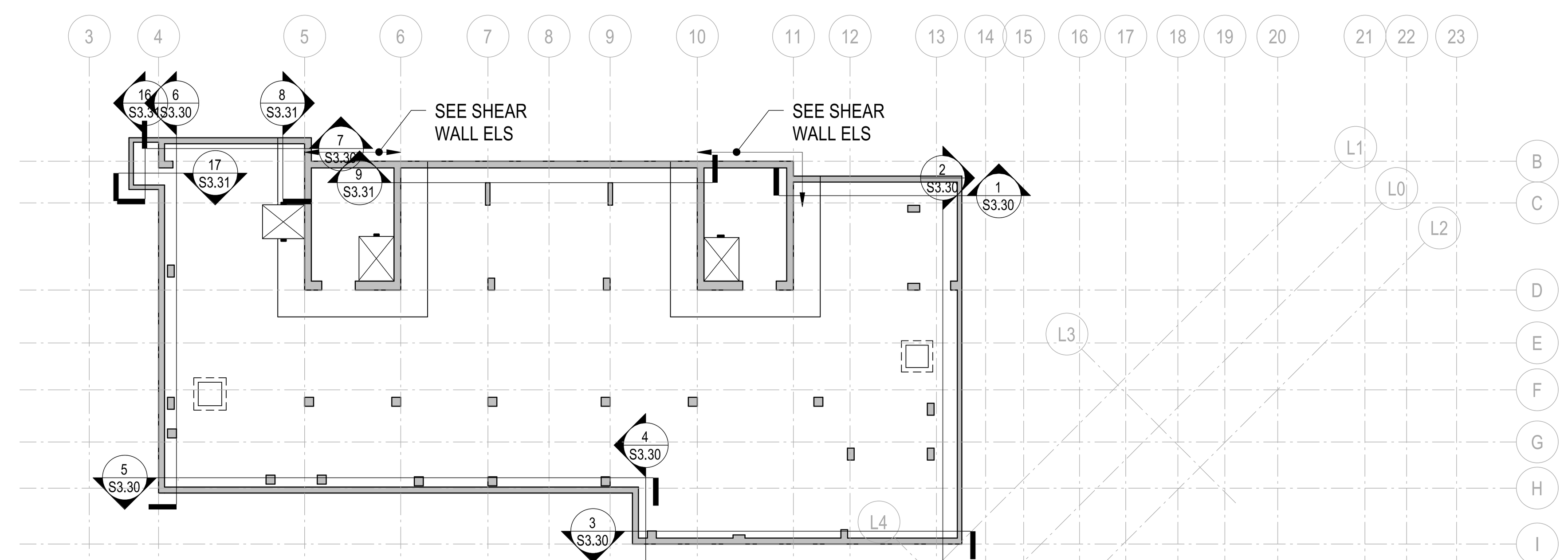
15 BASEMENT WALL ELEVATION
1/8" = 1'-0"

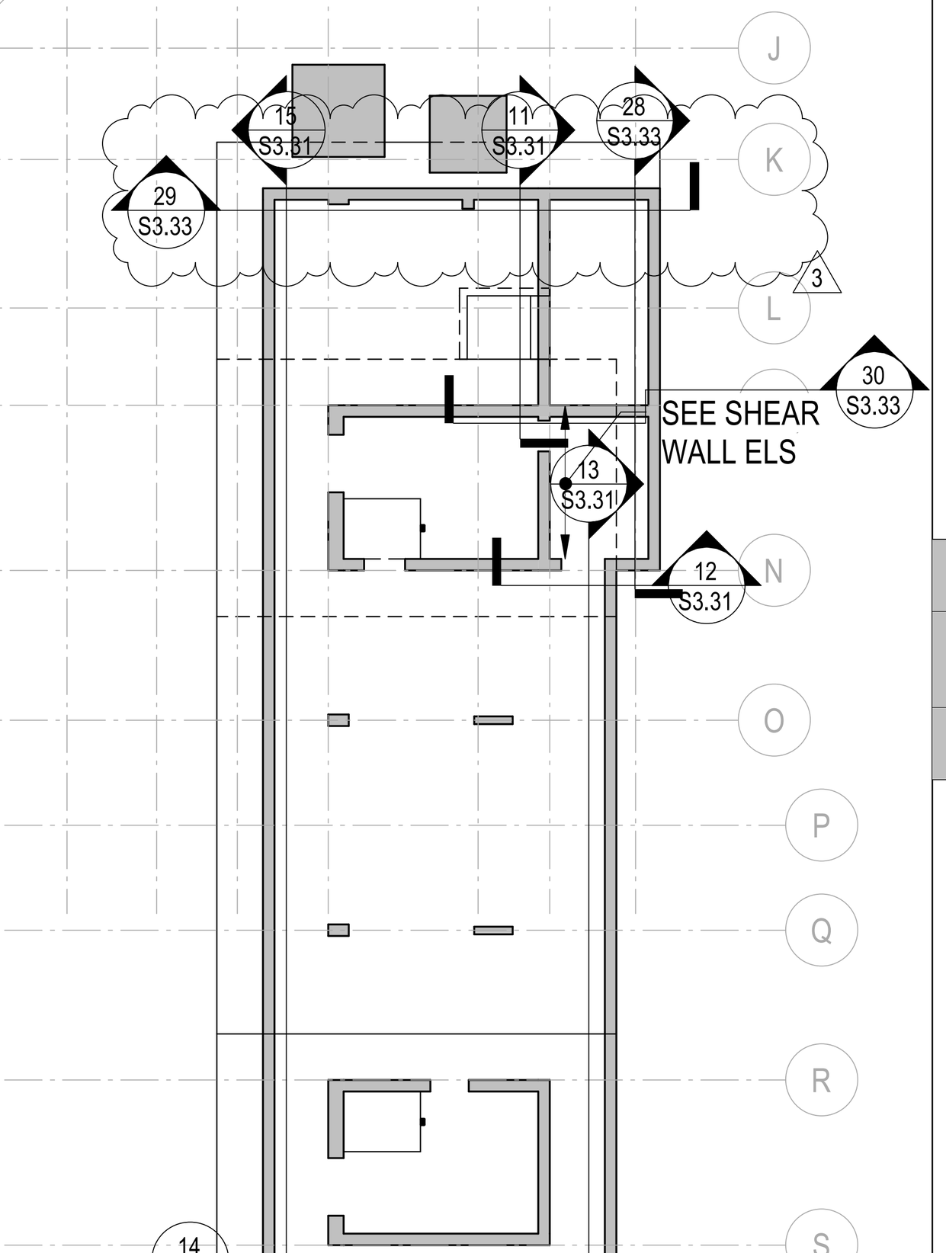


16 BASEMENT WALL ELEVATION
1/8" = 1'-0"



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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DEER VALLEY, UTAH

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

revisions:

no.	date		by
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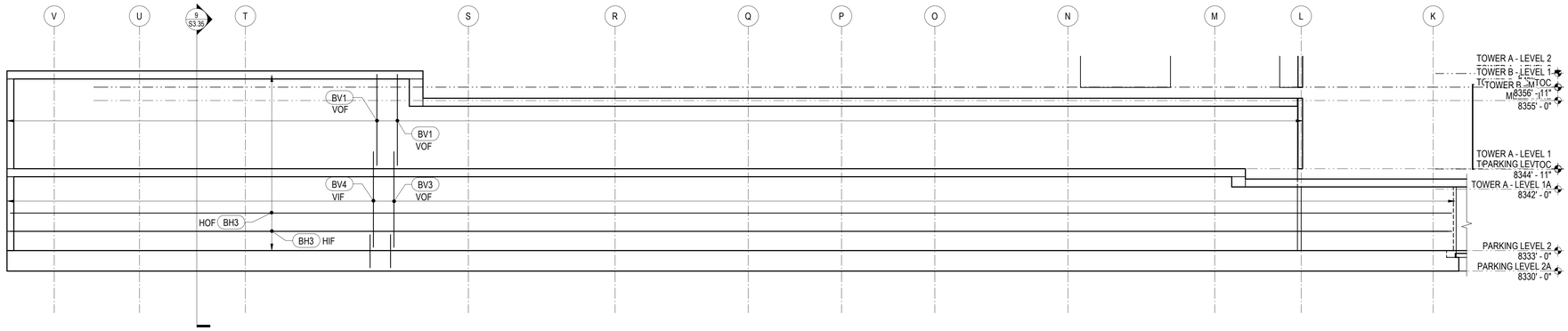
IFC SET 2 OF 3

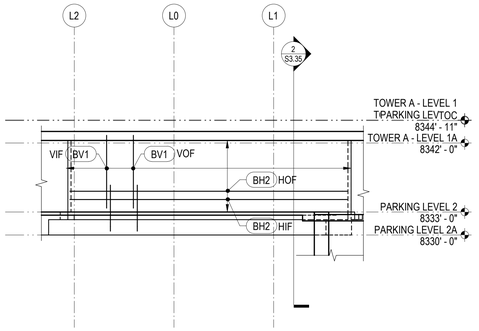
05/17/2024

TOWER A & B
BASEMENT WALL
ELEVATIONS

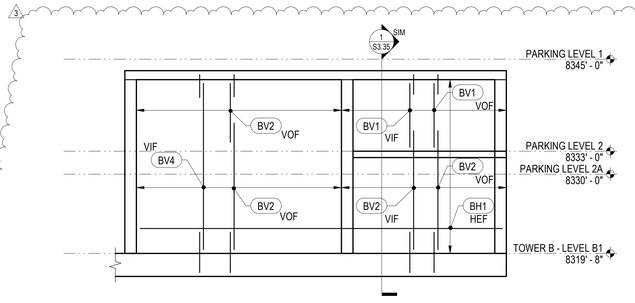
S3.31



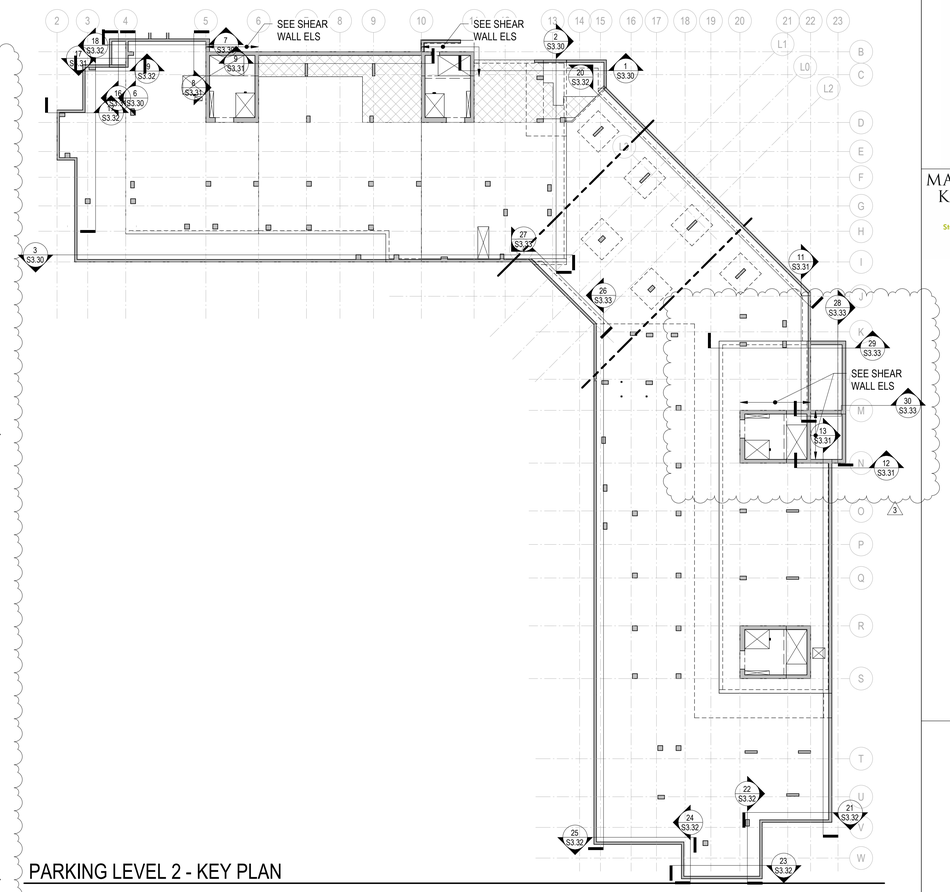
26 BASEMENT WALL ELEVATION
1/8" = 1'-0"



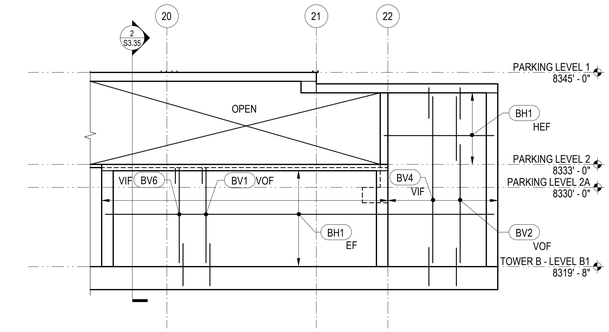
27 BASEMENT WALL ELEVATION
1/8" = 1'-0"



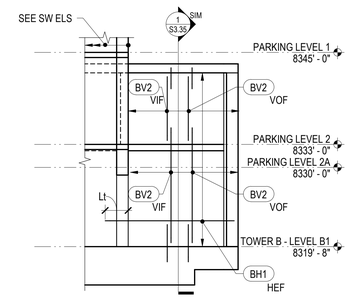
28 BASEMENT WALL ELEVATION
1/8" = 1'-0"



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"	

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

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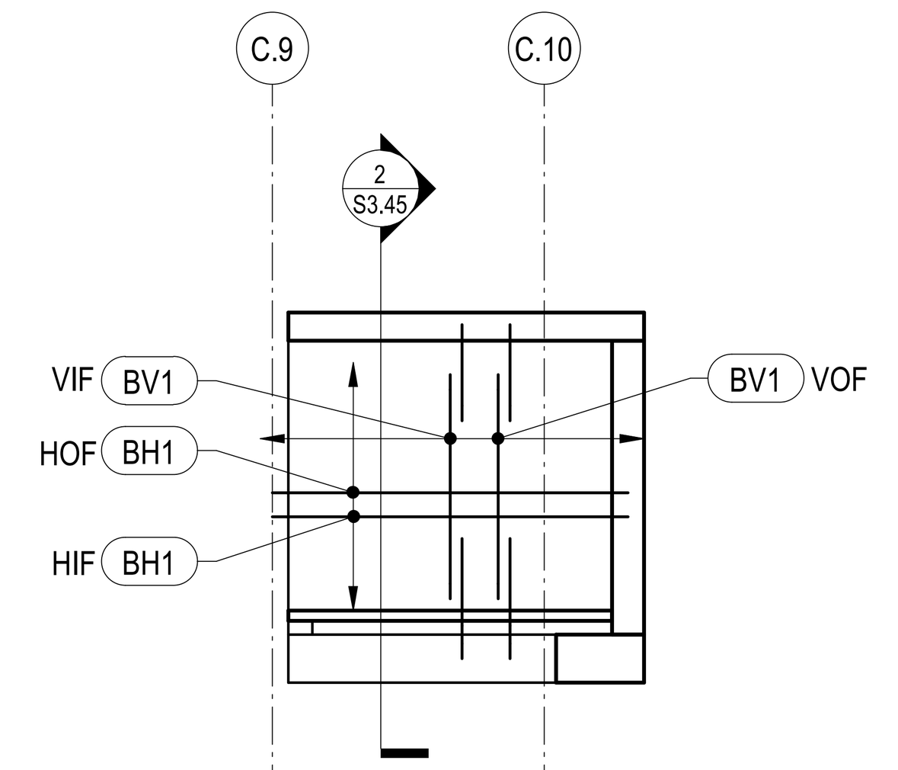
IFC SET 2 OF 3

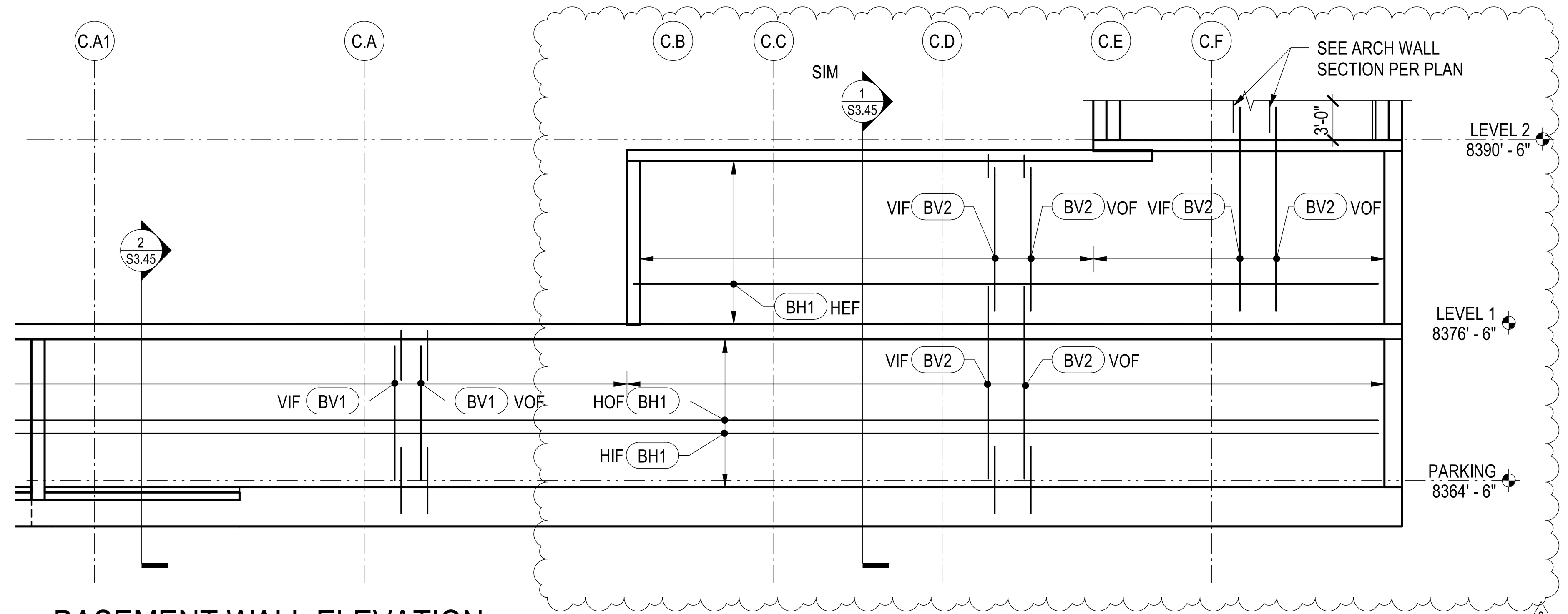
05/17/2024

TOWER A & B
BASEMENT WALL
ELEVATIONS

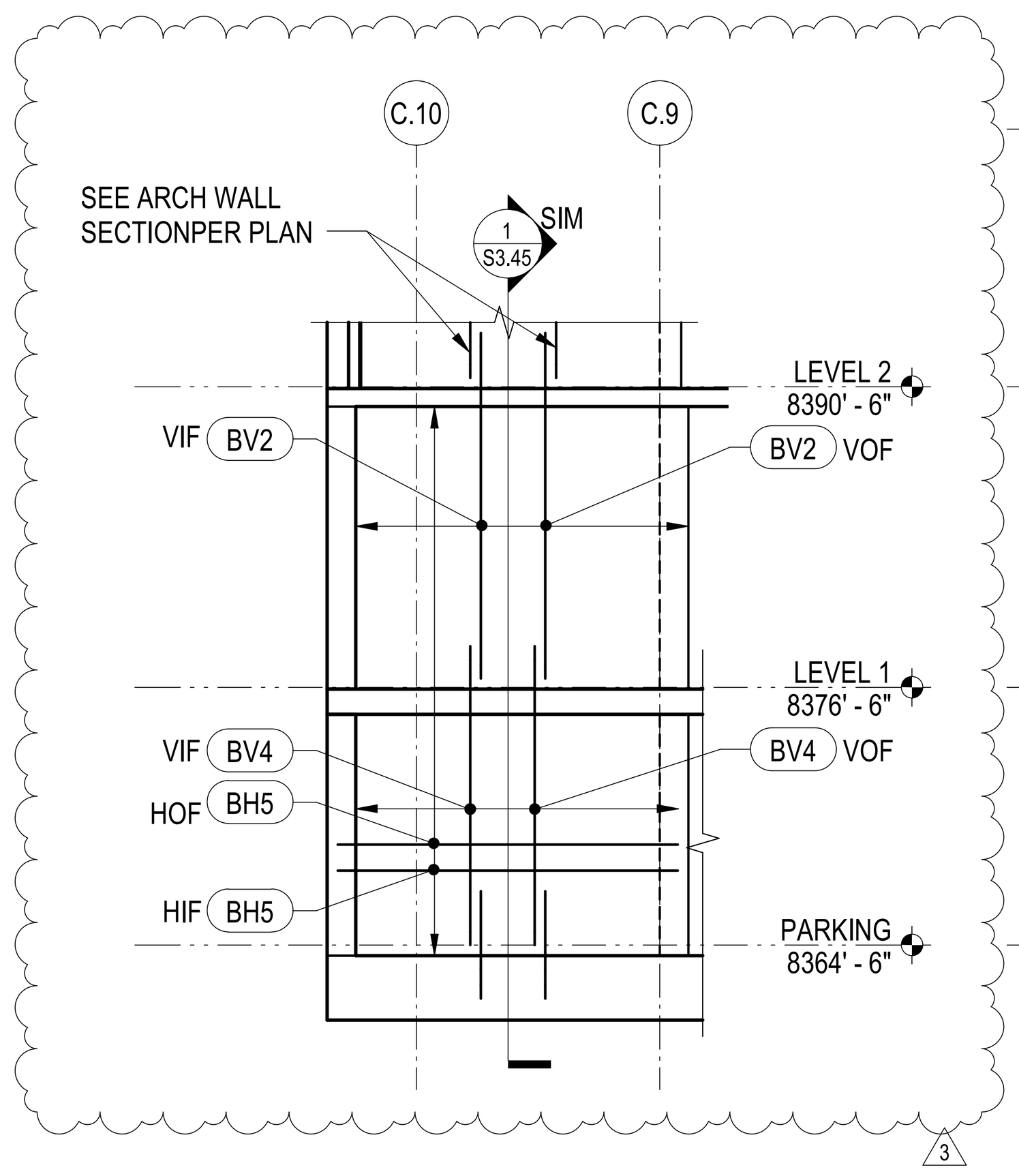
S3.33



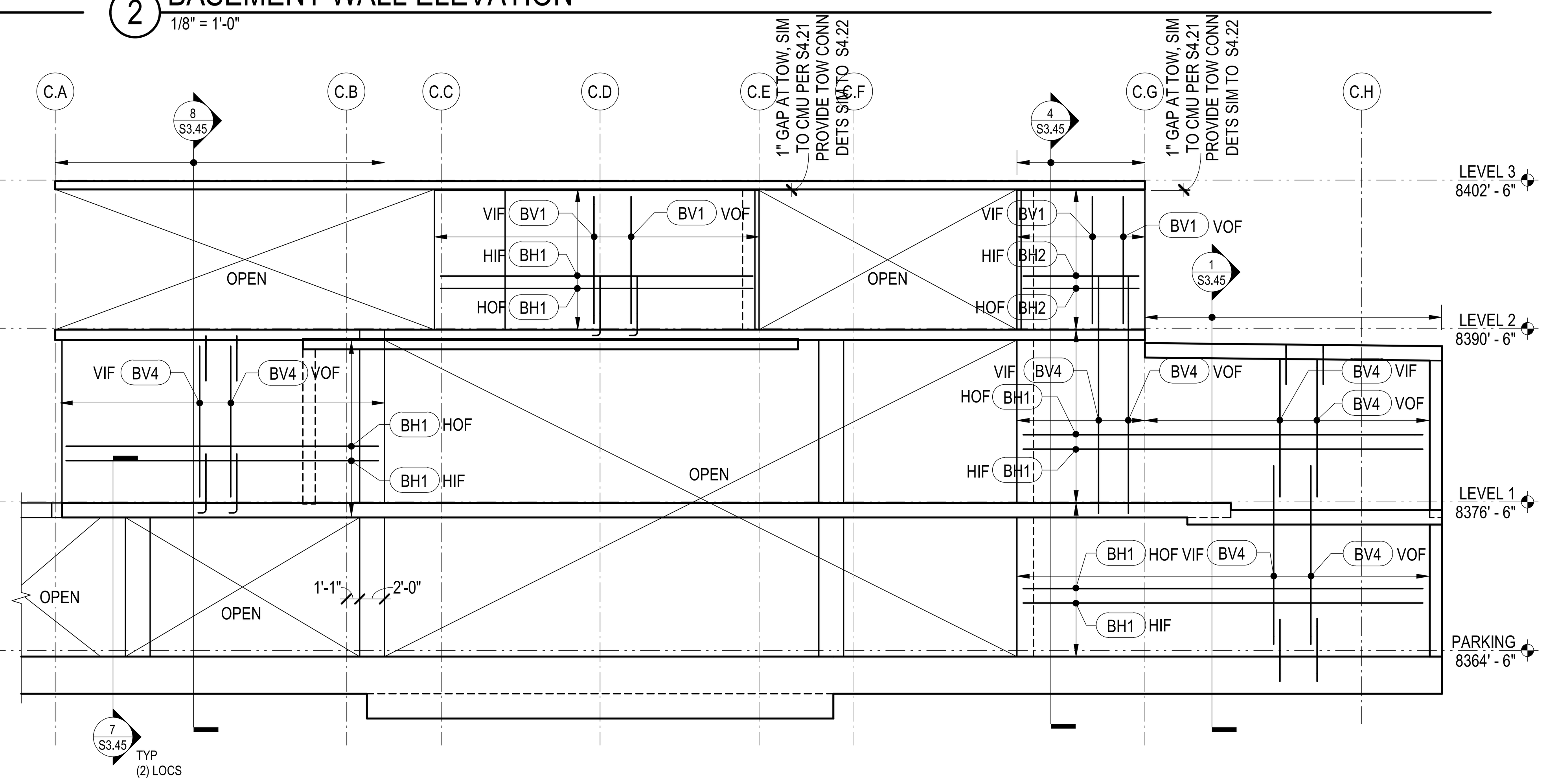
1 BASEMENT WALL ELEVATION
1/8" = 1'-0"



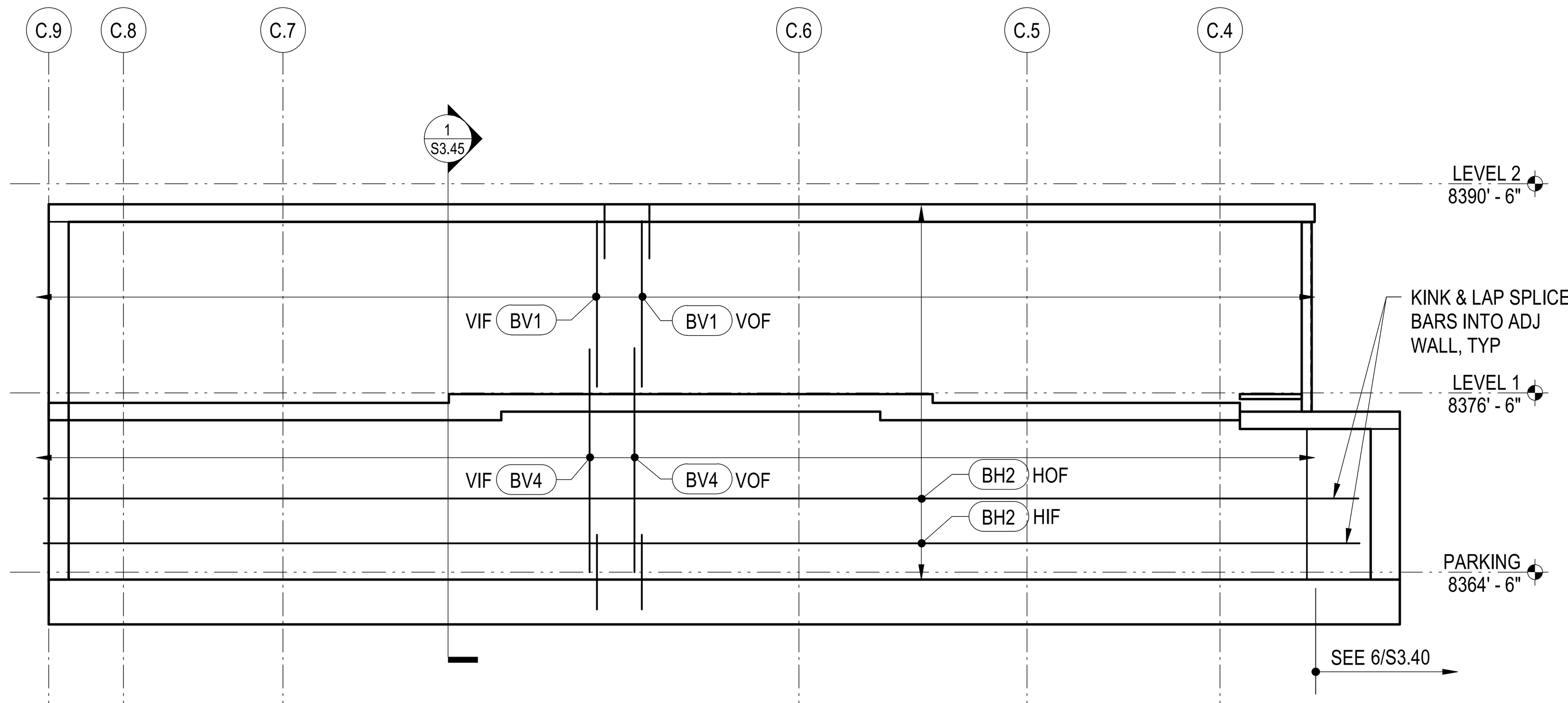
2 BASEMENT WALL ELEVATION
1/8" = 1'-0"



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



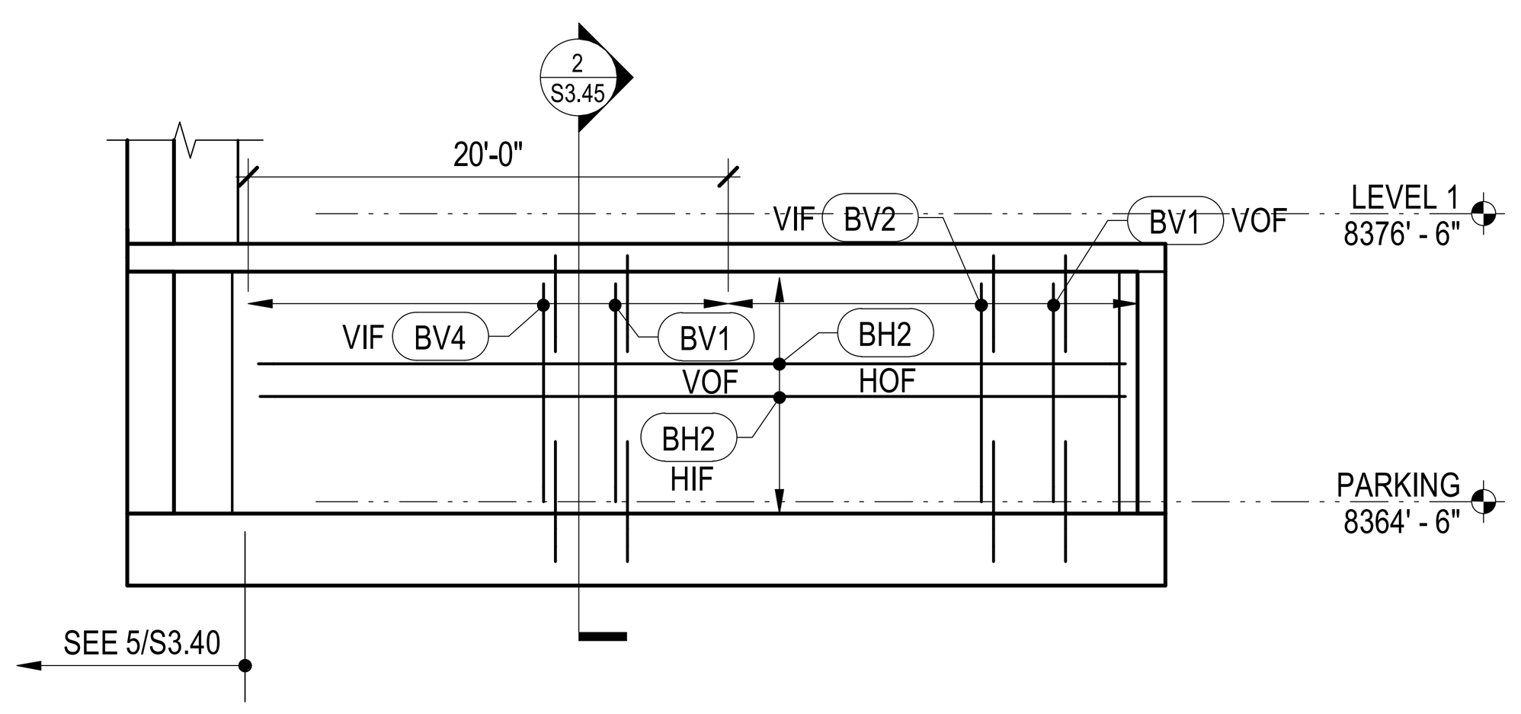
4 BASEMENT WALL ELEVATION
1/8" = 1'-0"



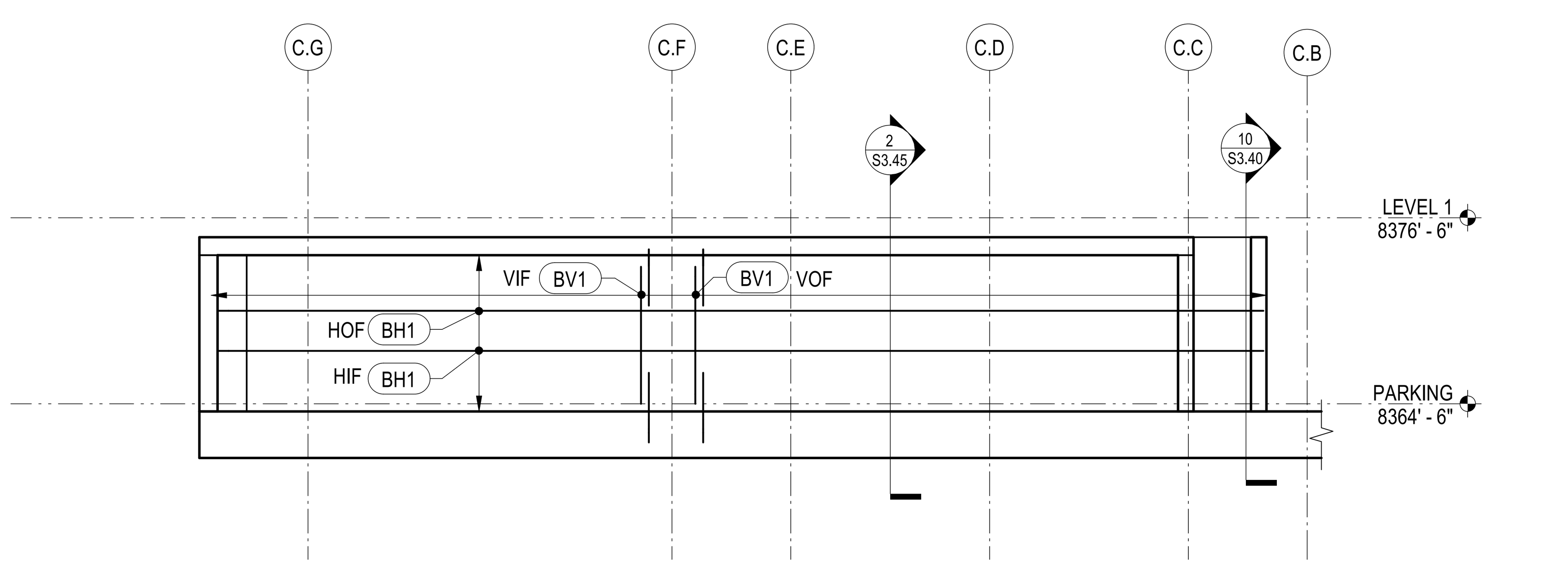
5 BASEMENT WALL ELEVATION
1/8" = 1'-0"

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

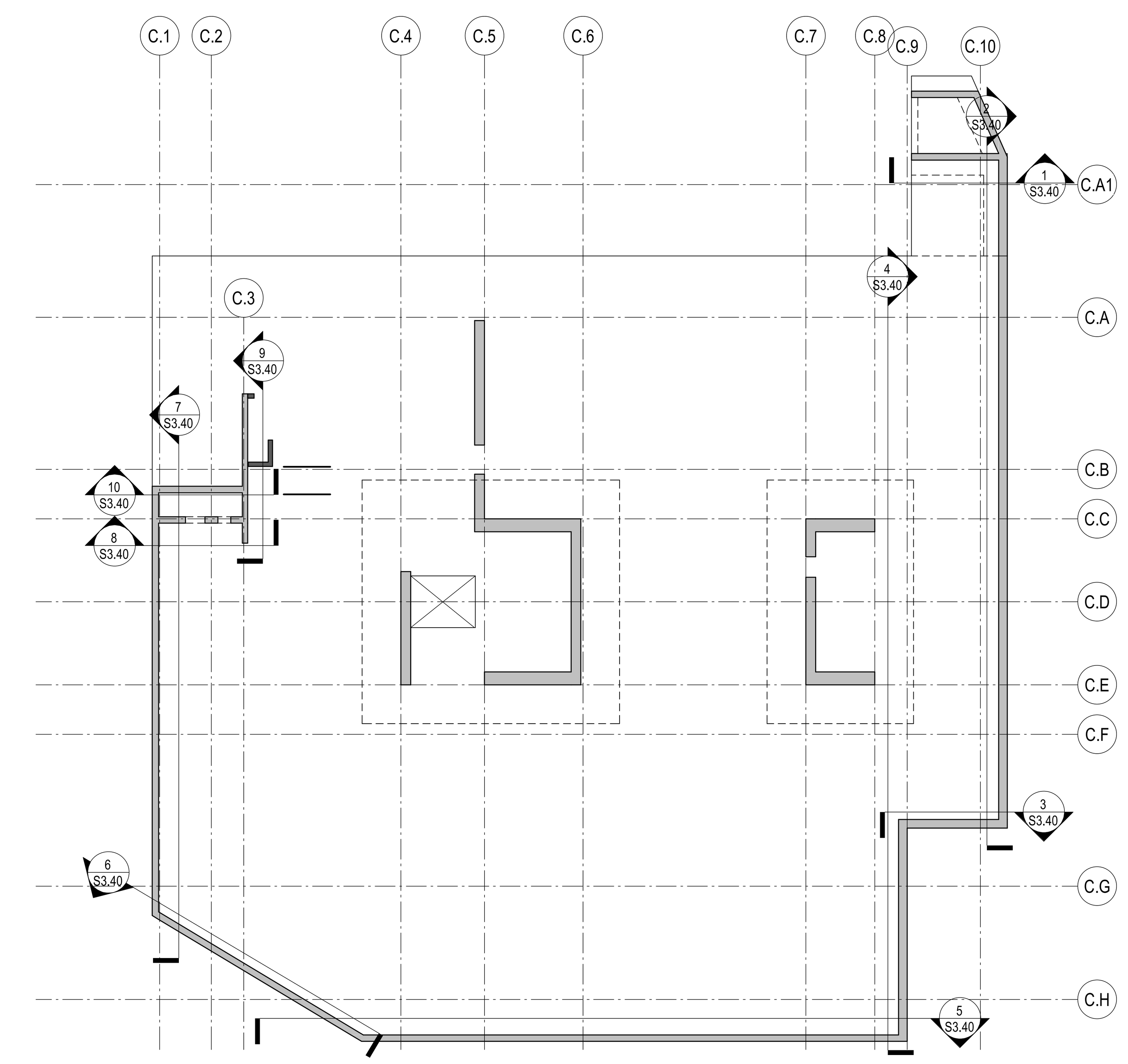
BASEMENT WALL VERTICAL REINFORCEMENT		
MARK	REINFORCING	REMARKS
BV1	#6 @ 12"	
BV2	#7 @ 12"	
BV4	#7 @ 6"	

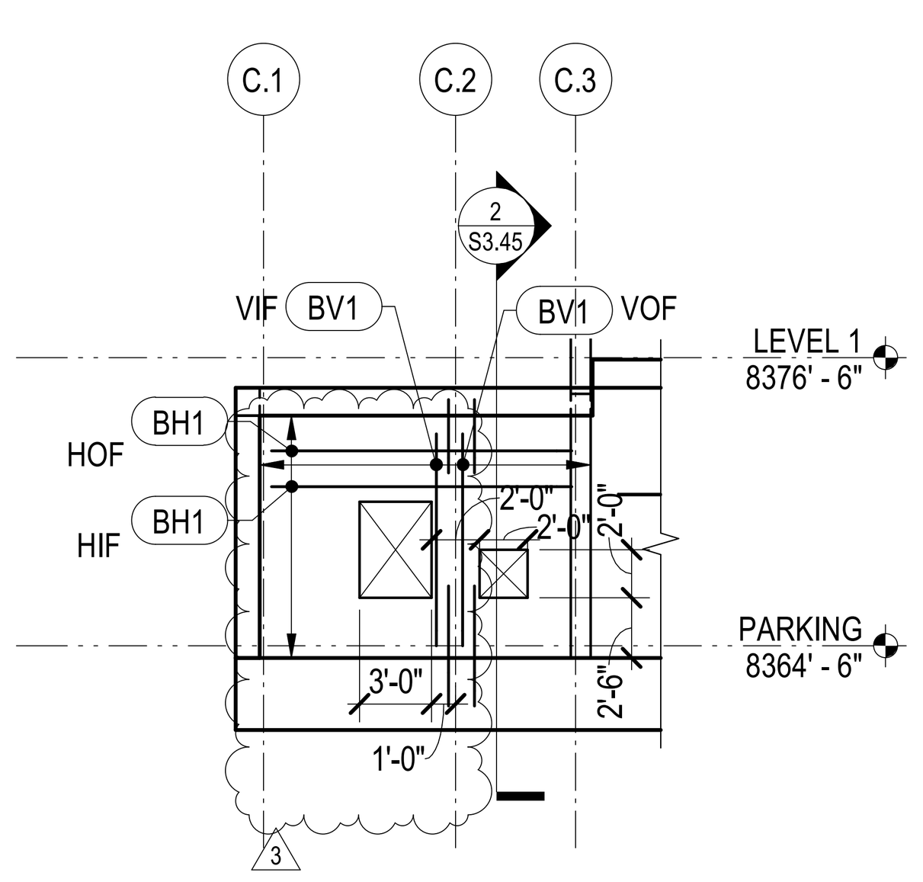


6 BASEMENT WALL ELEVATION
1/8" = 1'-0"

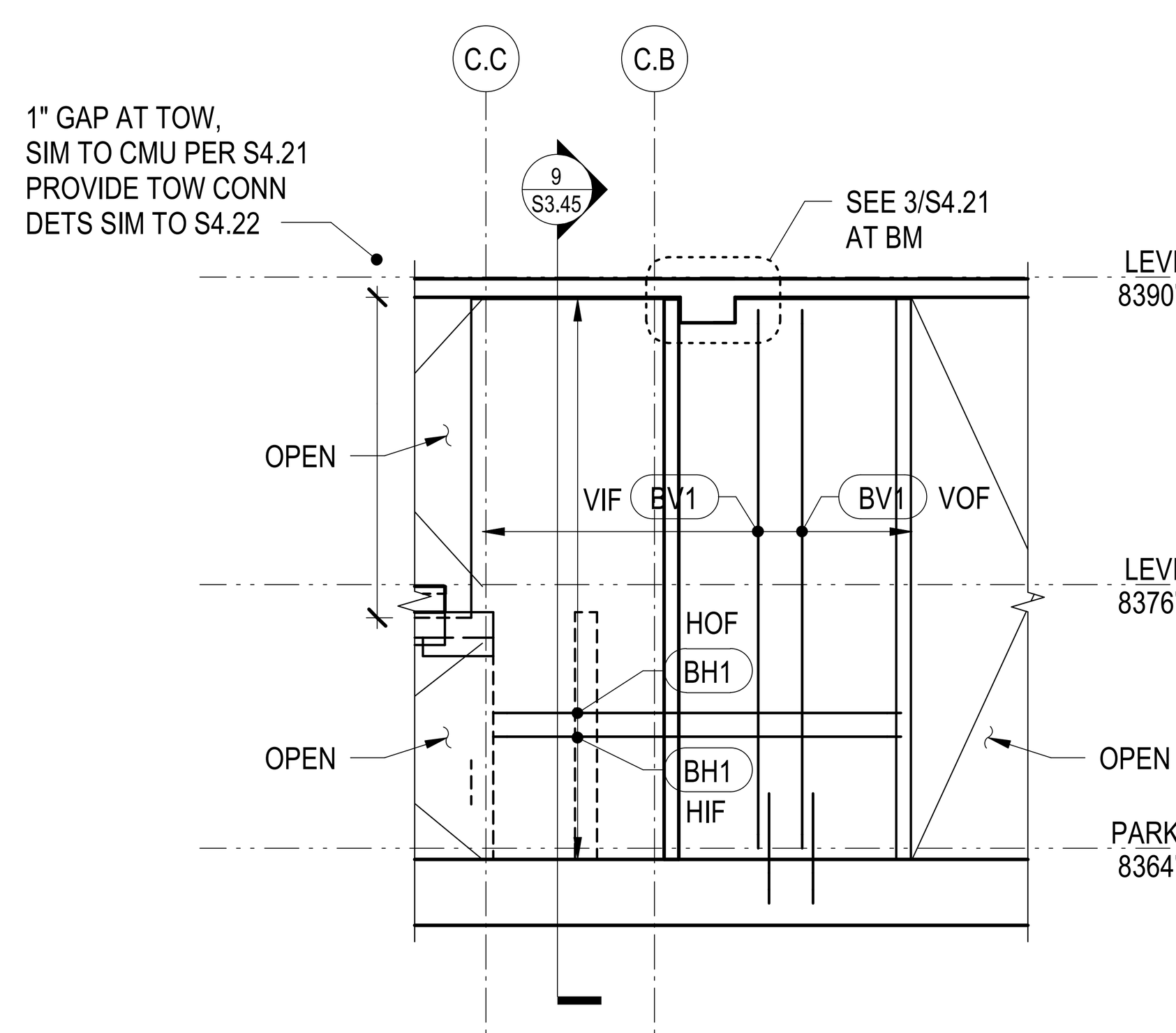


7 BASEMENT WALL ELEVATION
1/8" = 1'-0"

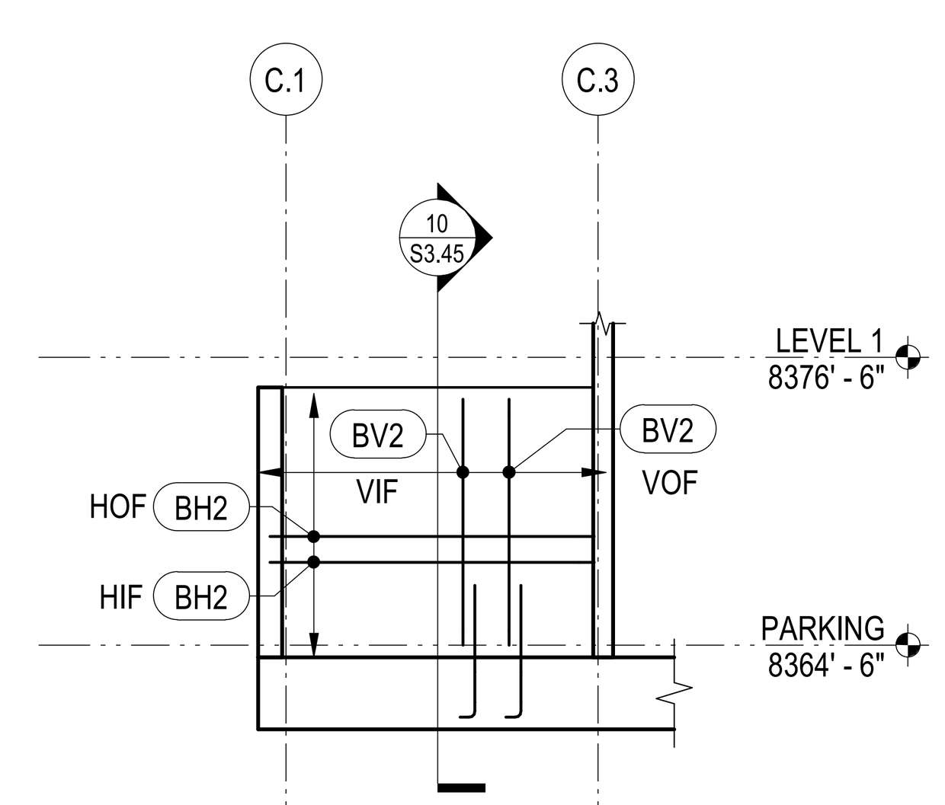




8 BASEMENT WALL ELEVATION
1/8" = 1'-0"



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



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

TOWER C - BASEMENT WALL ELEVATION KEY PLAN

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05/17/2024

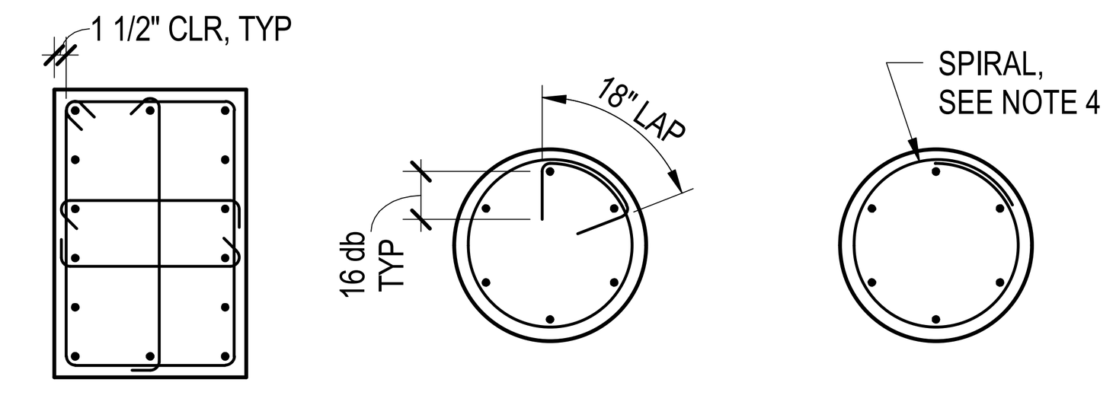
TOWER C
BASEMENT WALL
ELEVATIONS

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:

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

VERTICAL REINF CONFIGURATION KEY:

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

1 CONCRETE COLUMN TYPES

CONCRETE COLUMN SCHEDULE KEY:

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

NOTES:

1. SEE THE FOLLOWING ACCOMPANYING DETAILS:

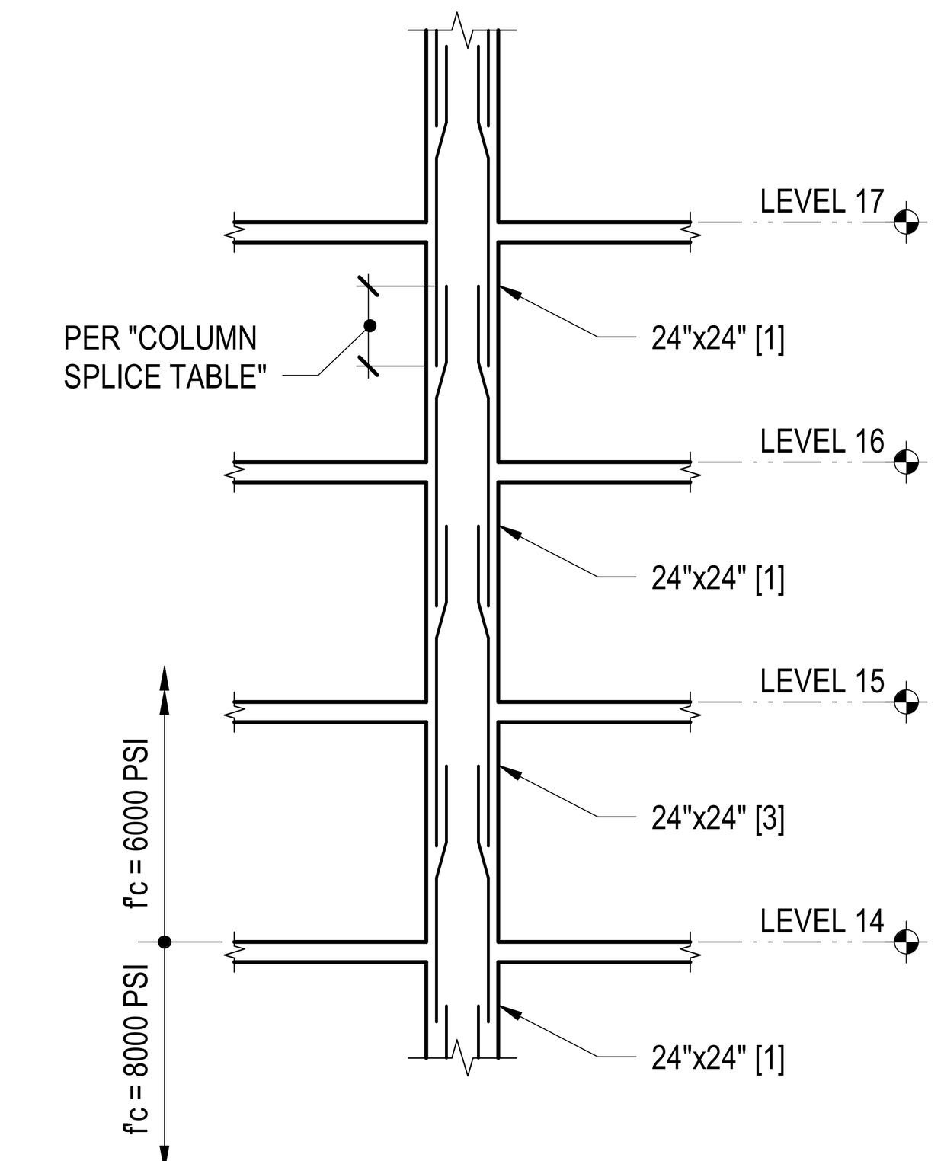
   "TYPICAL CONCRETE COLUMN"
   "TYPICAL CONCRETE COLUMN BASE DOWELS"
   "CONCRETE COLUMN TYPES"

2. VERTICAL REINFORCEMENT SPLICE LENGTHS ARE PER THE "TYPICAL COLUMN SPLICE TABLE" .

COLUMN SIZE, TYPE & SPLICE LENGTH

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

EXAMPLE PARTIAL CONCRETE COLUMN SCHEDULE



EXAMPLE PARTIAL ELEVATION

3 CONCRETE COLUMN SCHEDULE NOTES AND SAMPLE COLUMN SPECIFICATIONS

TOWER A CONCRETE COLUMN SCHEDULE (f'c = 6,000 PSI)

COLUMN MARK	AC1	AC2	AC3	AC4	AC5	AC6	AC7	AC8	AC9	AC10	AC11	AC12	AC13	AC14	AC15	AC16	AC17	AC18	AC19	AC20
LEVEL 6		18"x32" [1]																		
LEVEL 5								18"x32" [4]	18"x32" [1]											
LEVEL 4																				
LEVEL 3			18"x32" [4]		18"x32" [5]	24"x24" [3]	24"x24" [3]			18"x32" [5]								24"x24" [3]		
LEVEL 2	24"x24" [3]	18"x32" [5]	32"x32" [2]		32"x32" [2]	24"x54" [7]	24"x32" [15]									24"x24" [3]		24"x32" [3]	24"x24" [3]	18"x32" [5]
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]					24"x24" [6]	24"x24" [6]	
FOUNDATION																				

6 TOWER A CONCRETE COLUMN SCHEDULE

TOWER B CONCRETE COLUMN SCHEDULE (f'c = 6,000 PSI)

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

11 TOWER B CONCRETE COLUMN SCHEDULE

TOWER C CONCRETE COLUMN SCHEDULE (f'c = 6,000 PSI)

COLUMN MARK	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13
LEVEL 8	18"x32" [11]			18"x32" [11]			18"x32" [11]			18"x32" [14]			
LEVEL 7													
LEVEL 6													
LEVEL 5													
LEVEL 4							18"x32" [5]						
LEVEL 3		12"x48" [12]		18"x32" [5]	12"x48" [12]							18"x24" [4]	
LEVEL 2		30"x39 1/2" [13]		32"x32" [2]							18"x32" [5]		
LEVEL 1	18"x32" [5]	18"x32" [4]	24"x24" [6]	18"x32" [1]	18"x36" [4]	18"x24" [4]	18"x32" [4]	18"x32" [5]	18"x32" [5]	18"x32" [5]			24"x24" [6]
FOUNDATION													

16 TOWER C CONCRETE COLUMN SCHEDULE

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

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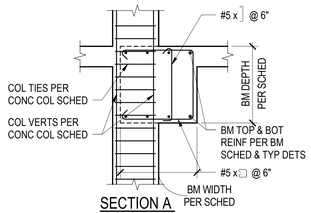
1	05/17/2024	IFC 2	
	04/08/2024	IFC SET 1 OF 3	
	11/18/2022	95% CD	

IFC SET 2 OF 3

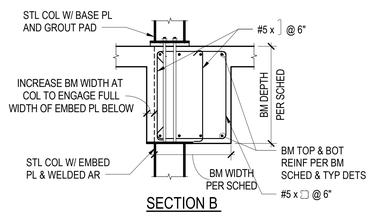
05/17/2024

COLUMN SCHEDULES

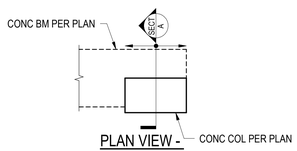
S4.00



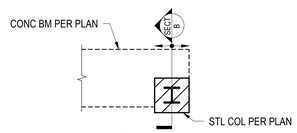
SECTION A



SECTION B



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

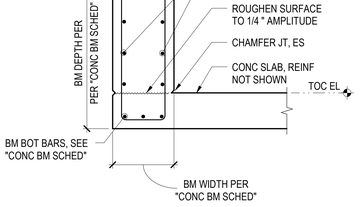
MARK	SIZE (WIDTHxDEPTH)	CAMBER	BOTTOM BARS	TOP BARS LEFT	TOP BARS CONTINUOUS	TOP BARS RIGHT	STIRRUPS LEFT	STIRRUPS CONTINUOUS	STIRRUPS RIGHT	REMARKS
B1	12"x18"		(2) #7	(2) #7	(2) #7	(2) #7		#4 @ 6" [2C]		
B2	24"x24"		(3) #8		(7) #8			#5 @ 9" [2C]		SEE 1/S4.03
B3	24"x24"		(4) #8	(4) #8	(3) #8	(4) #8		#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

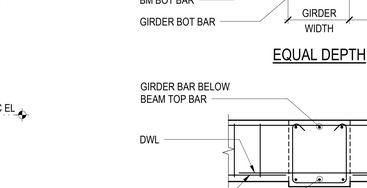
NOTES:

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

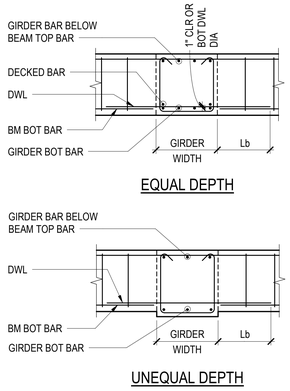


BEAM CONSTRUCTION JOINT



PLAN OF BEAMS

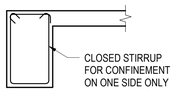
16 TYPICAL CONCRETE UPTURNED BEAM



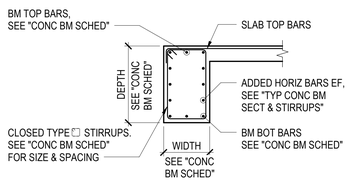
EQUAL DEPTH

UNEQUAL DEPTH

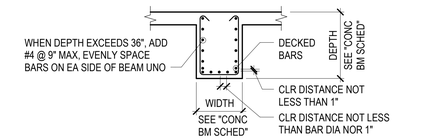
17 TYP CONC BM AND GIRDER INTERSECTION



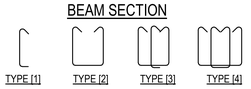
ALTERNATE



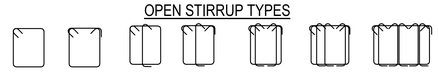
18 TYPICAL CONCRETE EDGE BEAM



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

revisions:

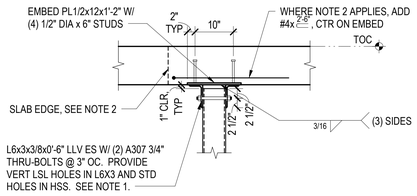
no.	date	by
3	8/19/2024	ASI-004
2	7/26/2024	ASI-002
1	05/17/2024	IFC 2
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TYPICAL CONCRETE BEAM DETAILS AND SCHEDULE

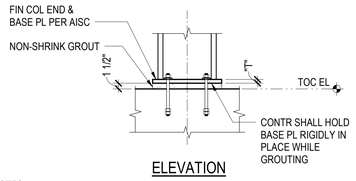
S4.03



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



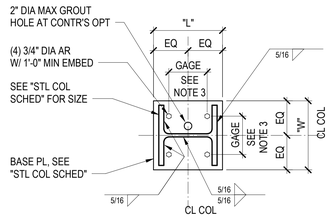
ELEVATION

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

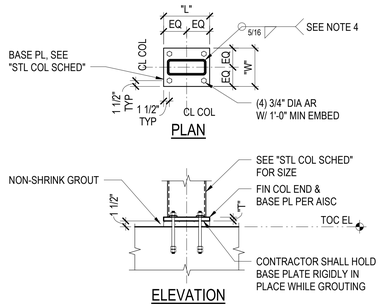


PLAN

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



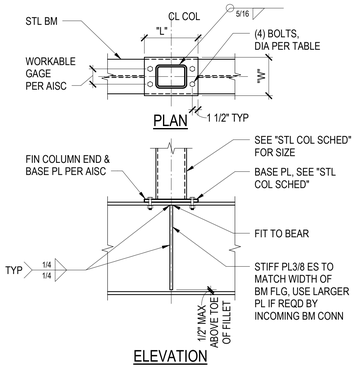
NOTES:

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"

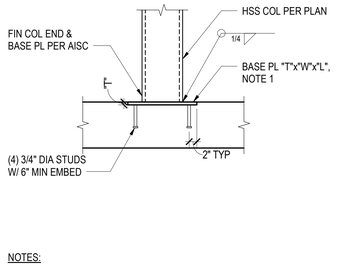
6 STEEL COLUMN SLAB PLATE SCHEDULE



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.

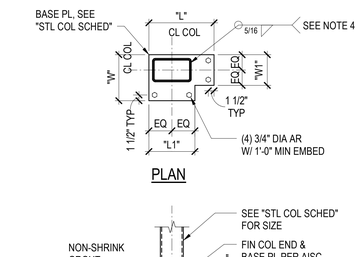
8 TYPICAL COLUMN BASE PLATE, TYPE 7

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.

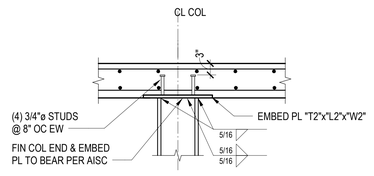
9 TYPICAL COLUMN BASE PLATE, TYPE 5



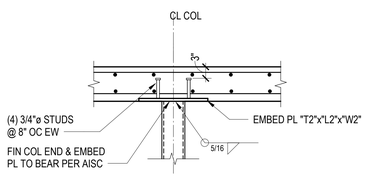
NOTES:

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

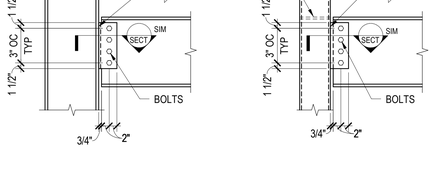


CONNECTION AT HSS COL

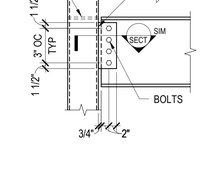
NOTES:

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

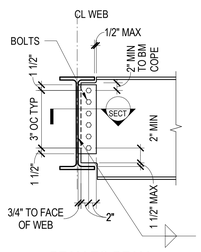
11 TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING



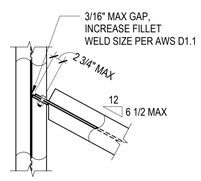
BEAM TO COLUMN FLANGE



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.

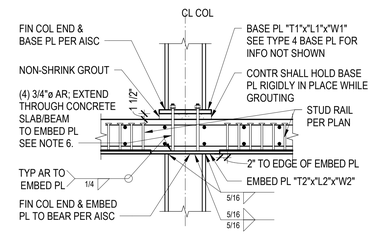
13 TYPICAL BEAM TO BEAM / BEAM TO COLUMN CONNECTION

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

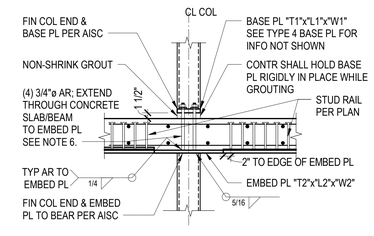
NOTES BELOW APPLY TO ALL TYPICAL CONNECTIONS UNLESS NOTED OTHERWISE:

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.

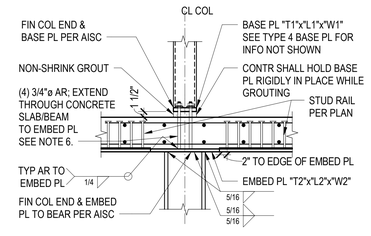
15 GENERAL NOTES FOR STEEL CONNECTIONS



CONNECTION AT WF COL



CONNECTION AT HSS COL

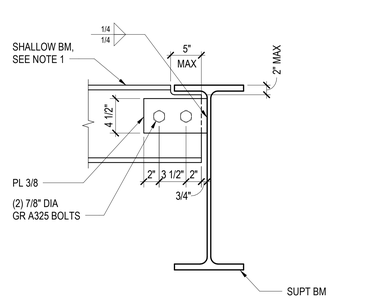


CONNECTION AT HSS COL ABOVE WITH WF COL BELOW

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.

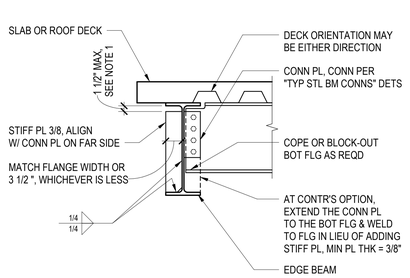
17 TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING



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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date 05/17/2024

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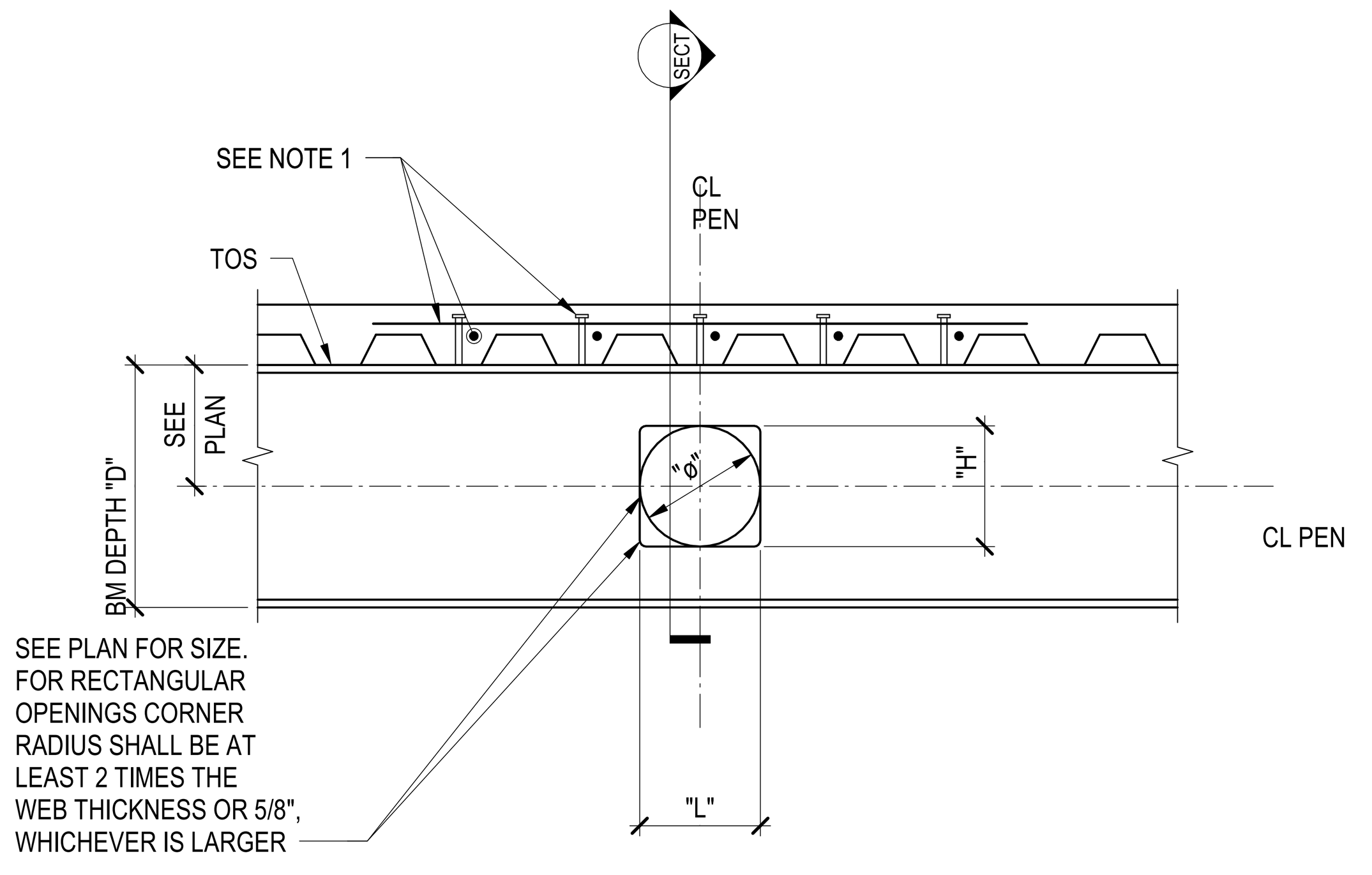
1	05/17/2024	IFC 2
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

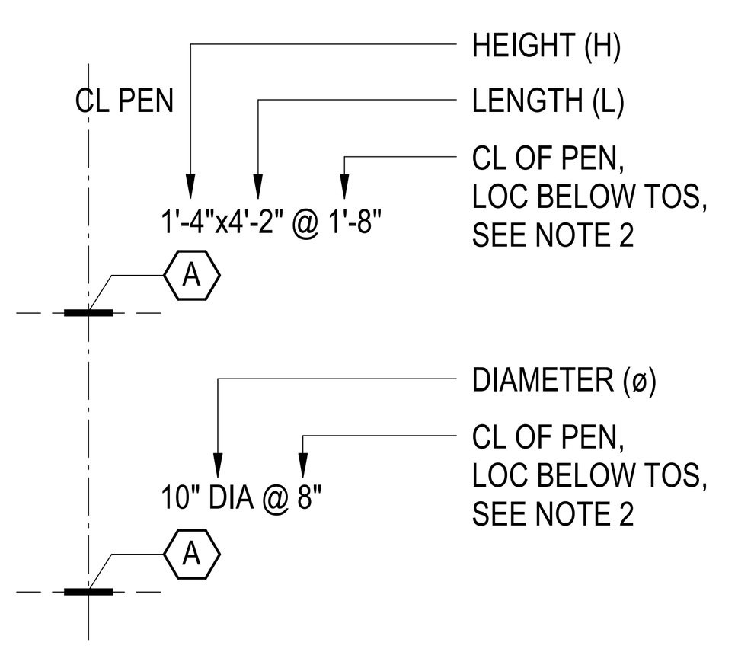
05/17/2024

TYPICAL STEEL DETAILS

S4.11



ELEVATION



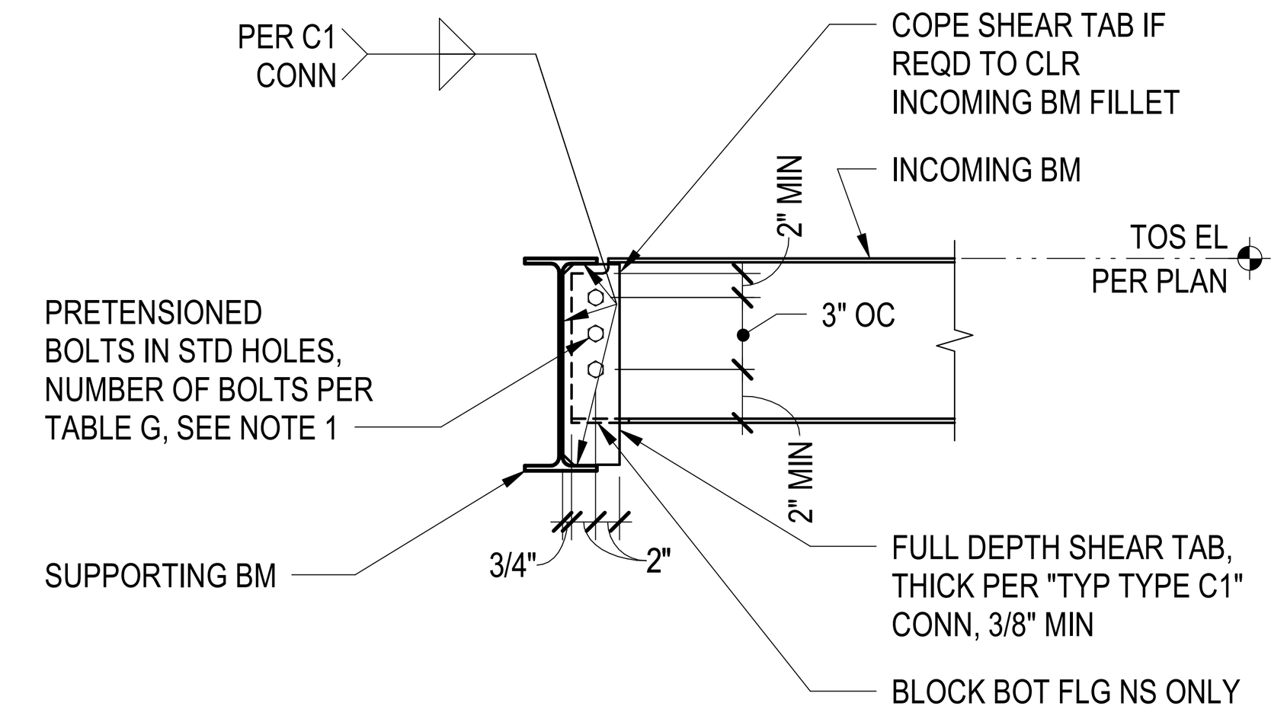
PLAN DESIGNATIONS

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"



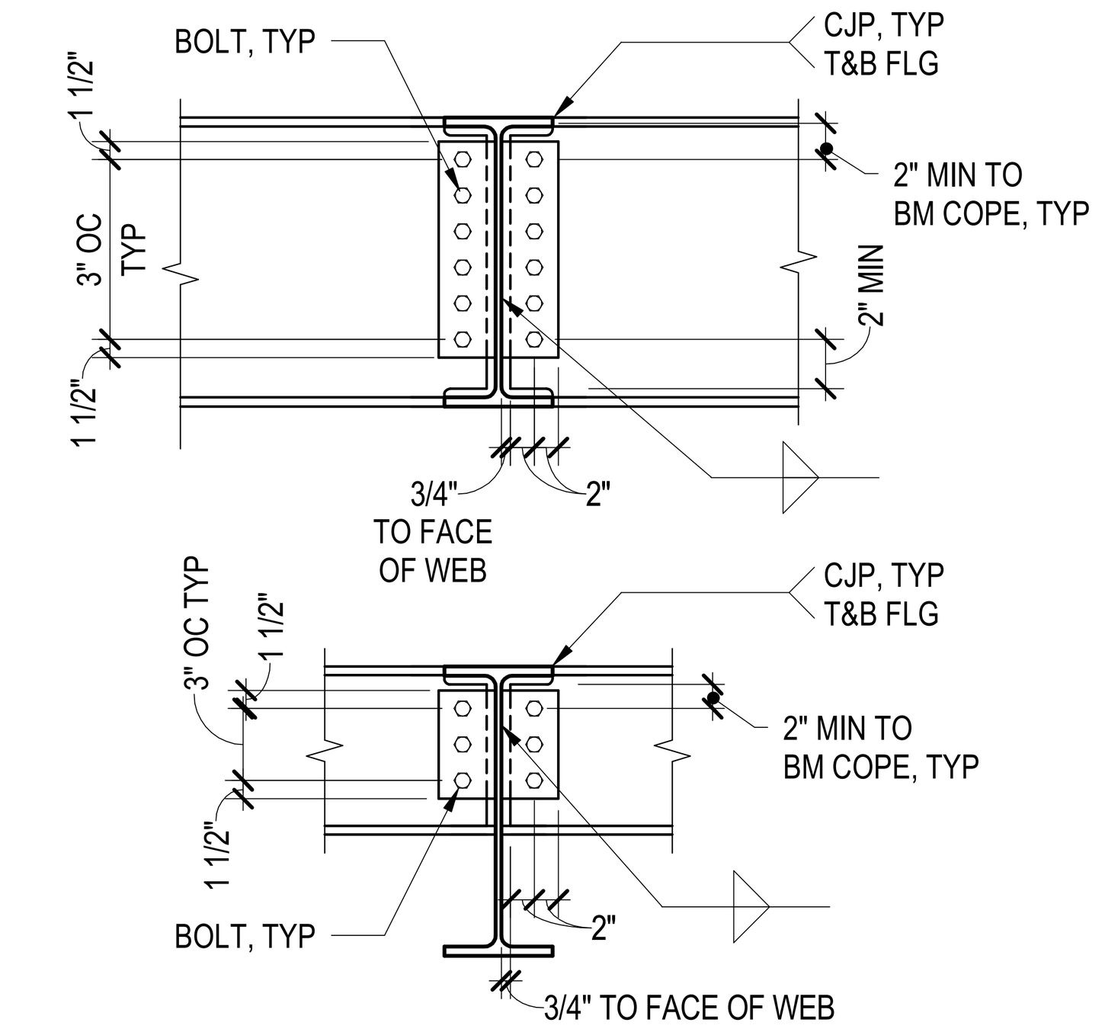
ELEVATION

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

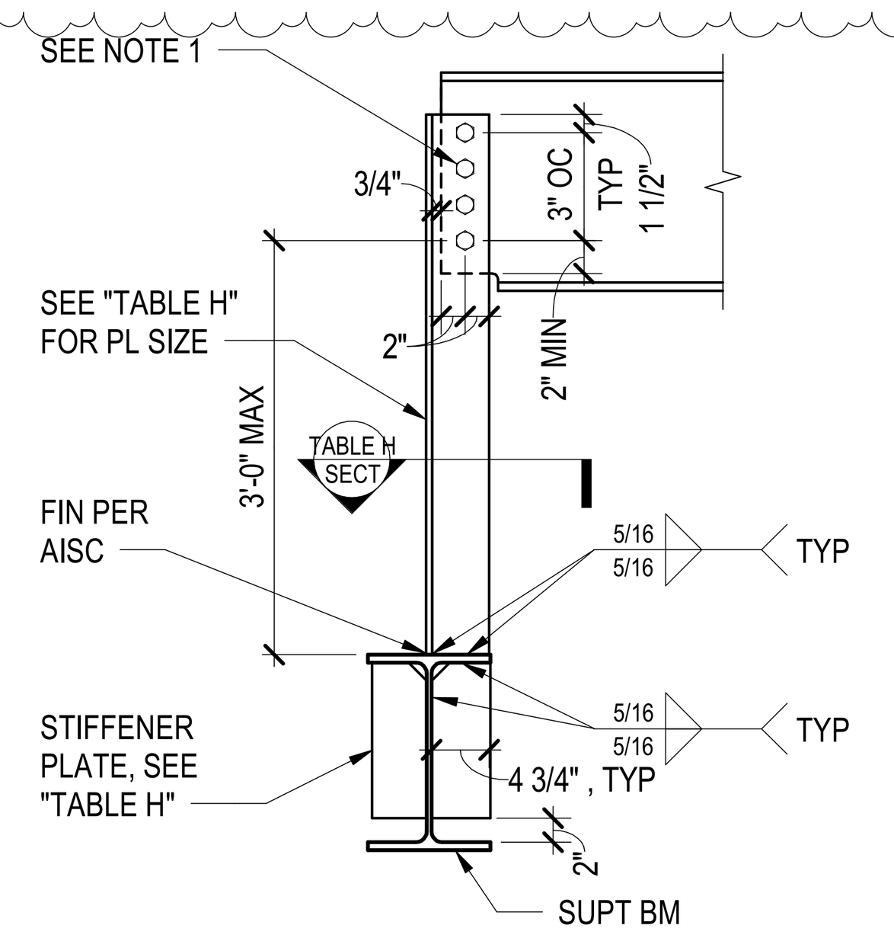
3 TYPICAL STEEL CONNECTION, TYPE C30



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:

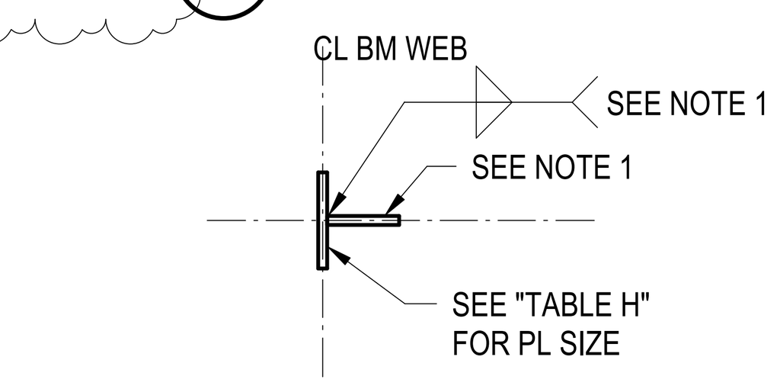
1. FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" OR "TABLE B" FOR BOLT SIZE AND TYPE, AND NUMBER OF BOLTS.
2. ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.

6 C13 - BEAM TO ELEVATED BEAM CONN

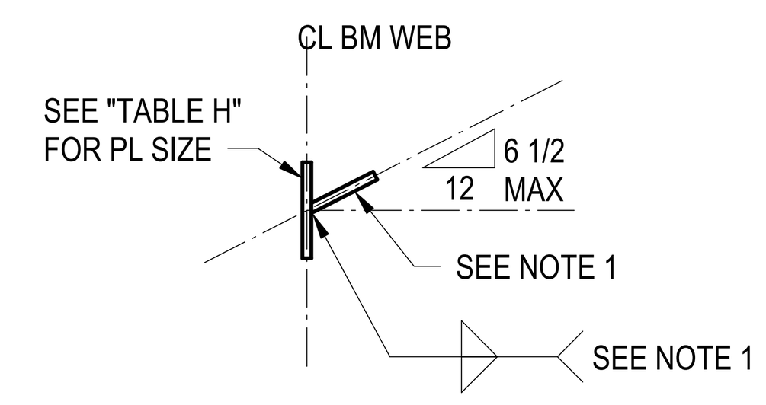
TABLE H				
7/8" DIA GR A325 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH (IN)	NOMINAL WEB THICKNESS (IN)	STIFF PL THICKNESS (IN)
2-4	5/8	7	0.31	3/8
5-6	3/4	8	0.44	3/8
7-8	3/4	9	0.50	1/2
9-10	7/8	9	0.61	5/8
11-12	1	10	0.64	5/8
1" DIA GR A490 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH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

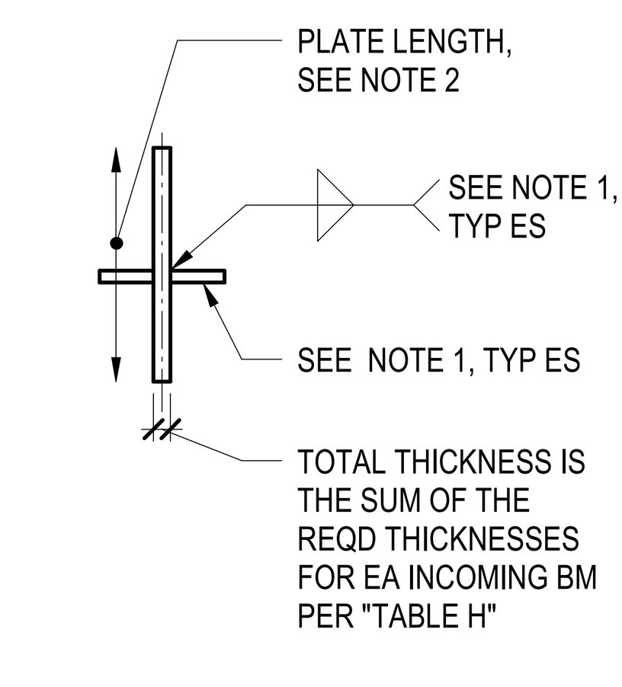
1. VERTICAL PLATE THICKNESS AND WELD SIZE SHALL BE PER "TABLE A" OR "TABLE B", WHICHEVER IS APPLICABLE.
2. PLATE LENGTH SHALL BE DETERMINED PER "TABLE H" BY THE GREATEST NUMBER OF BOLTS REQUIRED FOR EITHER INCOMING BEAM CONNECTION.



SECTION AT PERPENDICULAR BEAMS



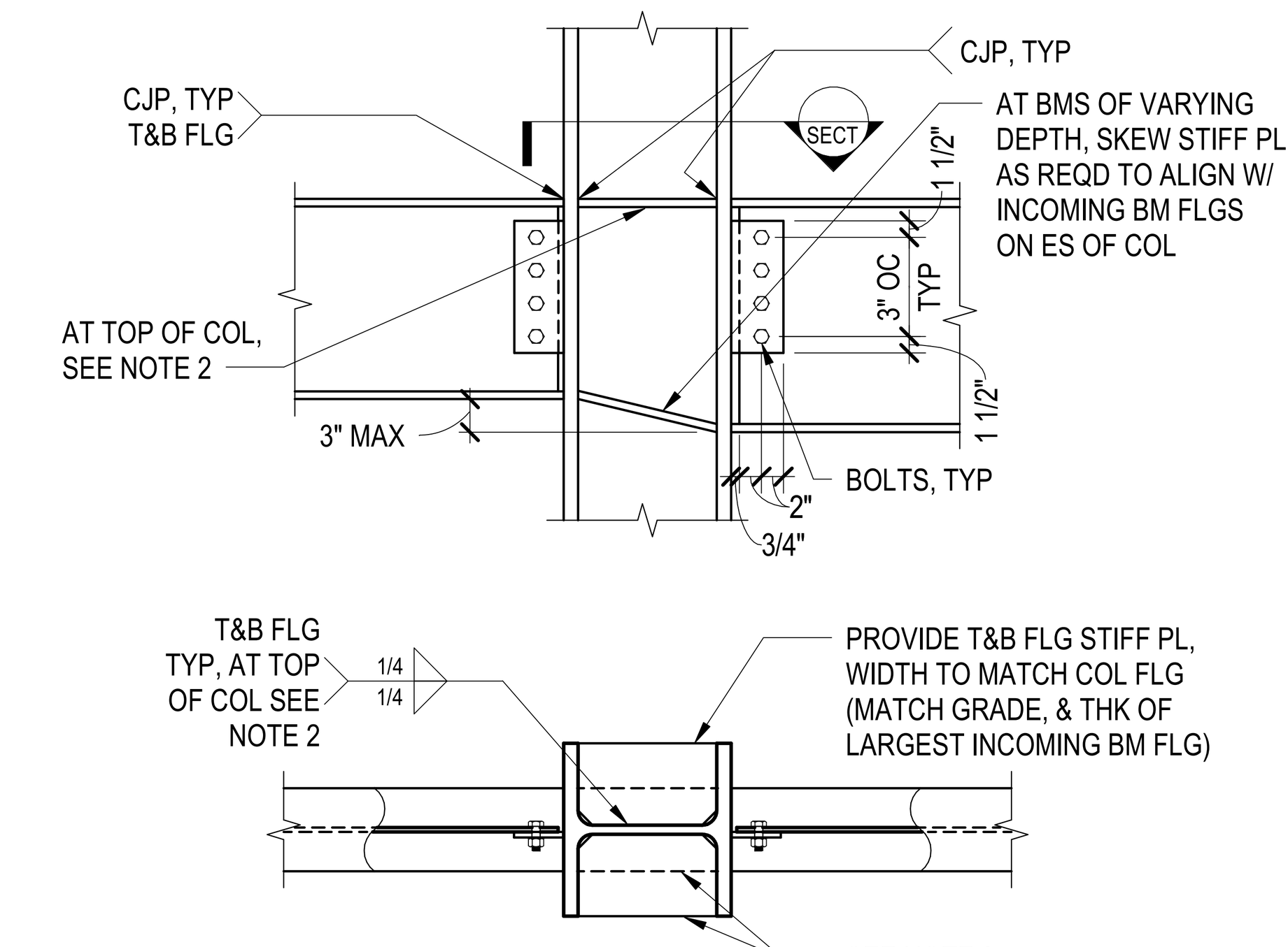
SECTION AT SKEWED BEAMS



SECTION AT INCOMING BEAM BOTH SIDES

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

7 TABLE H

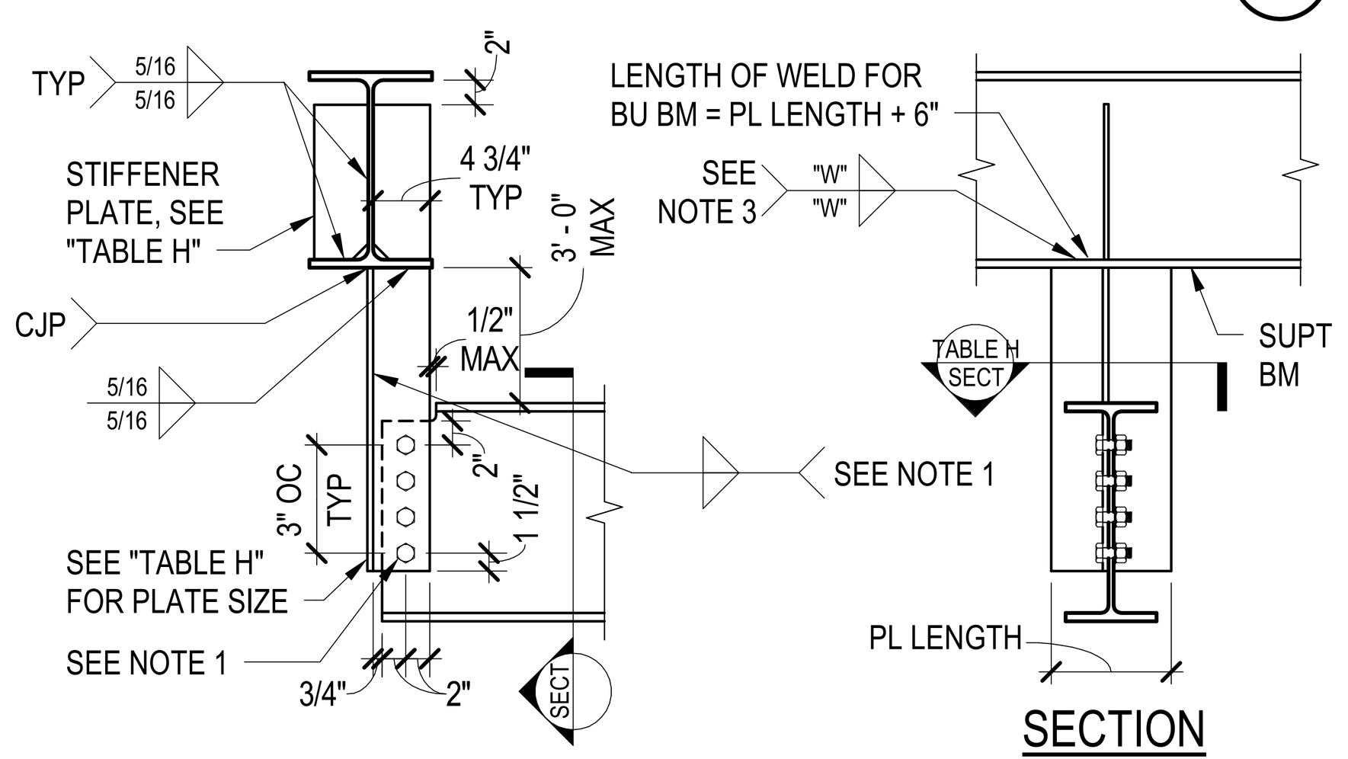


SECTION

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.

9 TYPICAL BM TO COL FLANGE MOMENT CONN

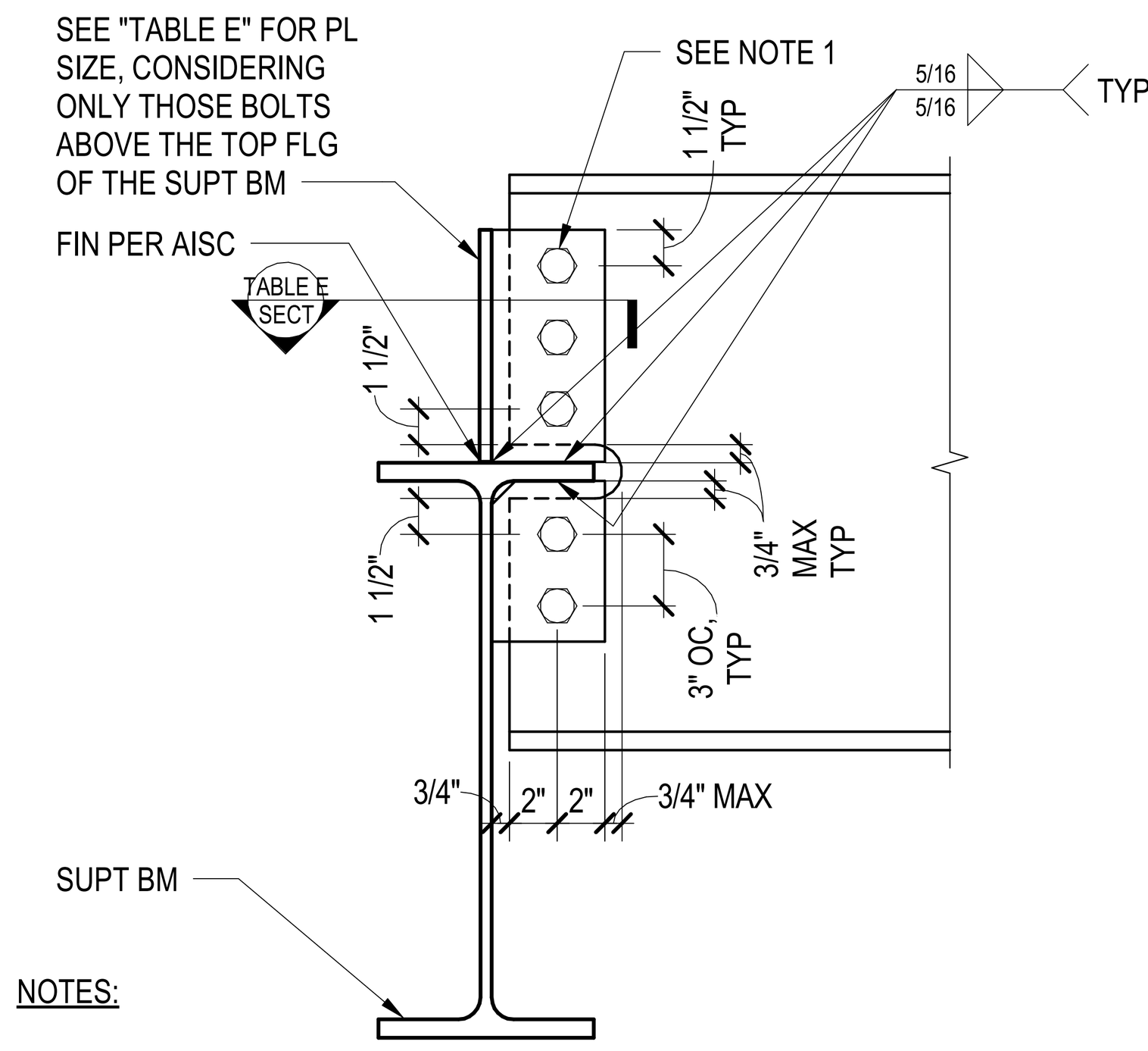


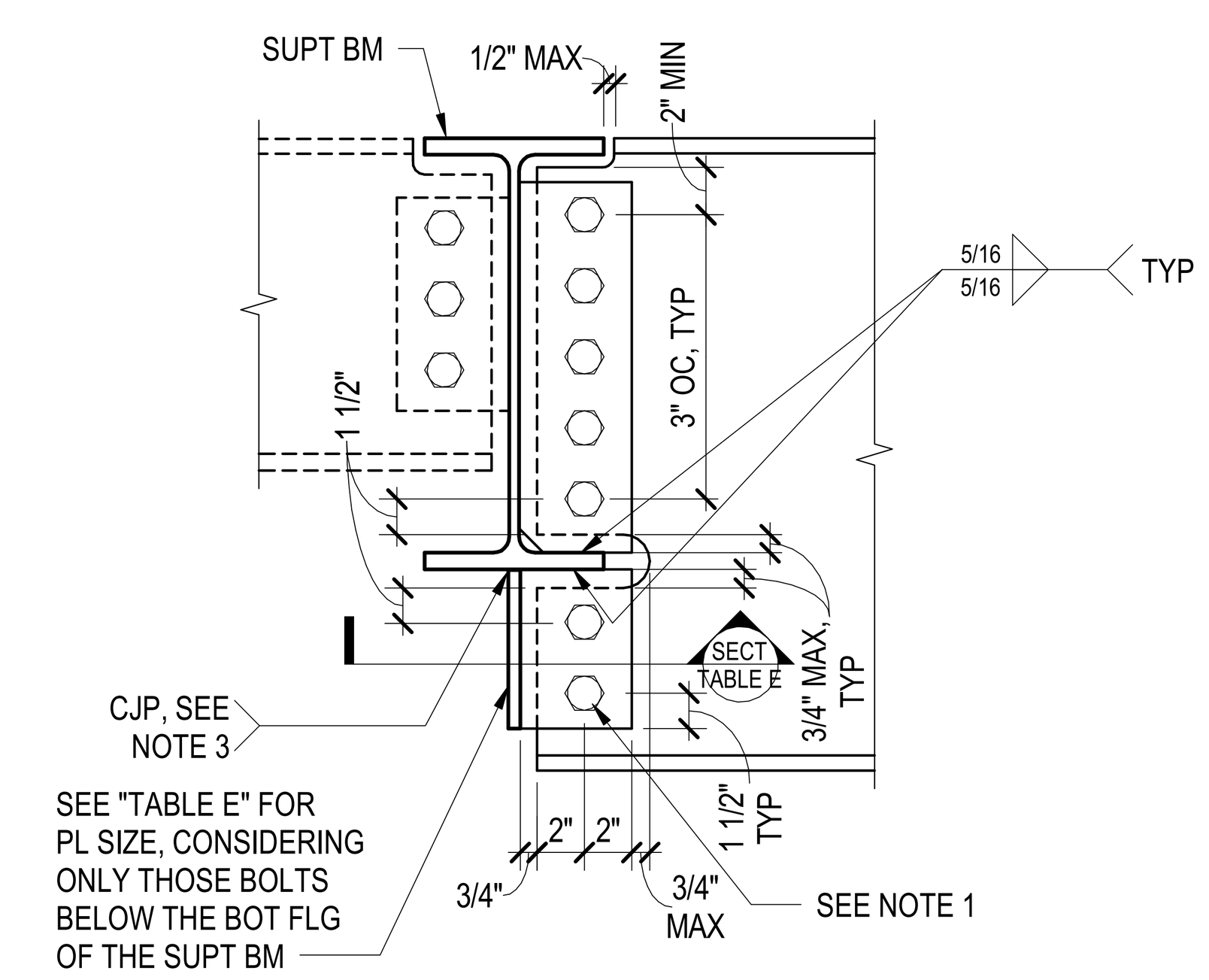
SECTION

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.

C14 - BEAM TO DEPRESSED BEAM CONN

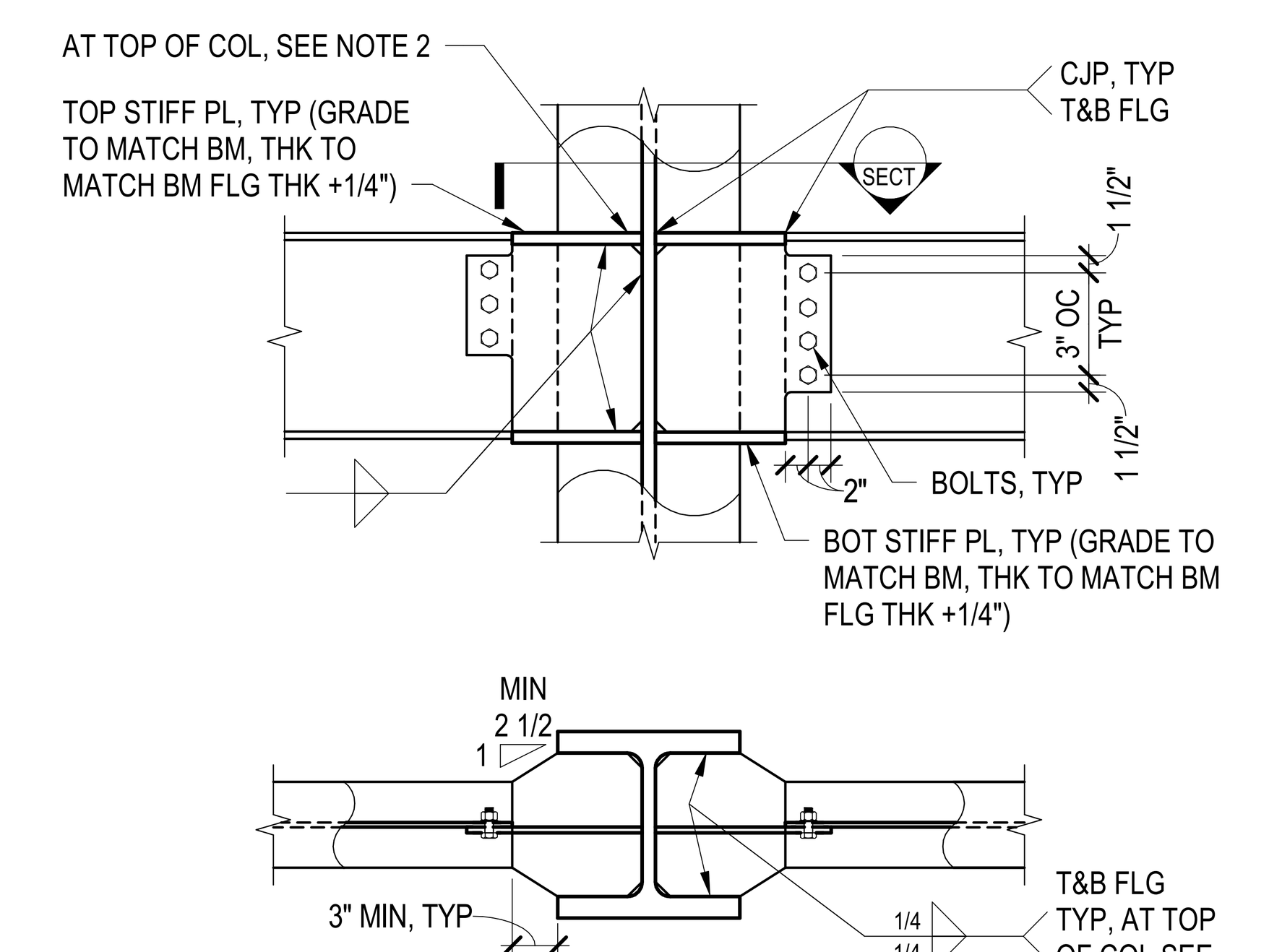




NOTES:

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.

12 TYPICAL TYPE C21 - BEAM FLANGE INTERSECTING BEAM WEB



SECTION

NOTES:

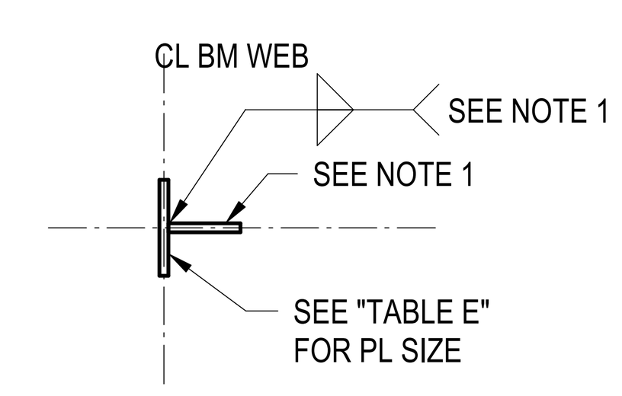
1. SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
2. AT TOP OF COLUMN, PROVIDE 1/4 INCH PJP WELD IN LIEU OF TOP SIDE FILLET WELD OR, AT CONTRACTOR'S OPTION, A SINGLE CAP PLATE MAY BE USED IN LIEU OF TWO STIFFENER PLATES. USE 5/16 INCH ONE SIDED FILLET WELD FOR CAP PLATE TO EACH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

14 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION

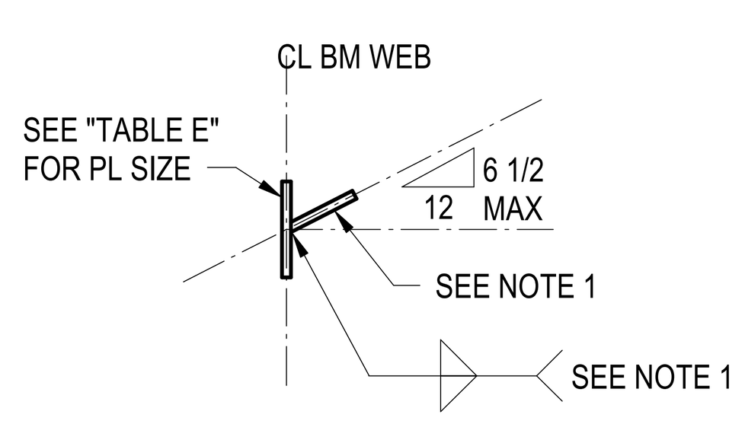
TABLE E				
7/8" DIA GR A325 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH (IN)	NOMINAL WEB THICKNESS (IN)	STIFF PL THICKNESS (IN)
2-4	5/8	7	0.31	3/8
5-6	3/4	8	0.44	3/8
7-8	3/4	9	0.50	1/2
9-10	7/8	9	0.61	5/8
11-12	1	10	0.64	5/8
1" DIA GR A490 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH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

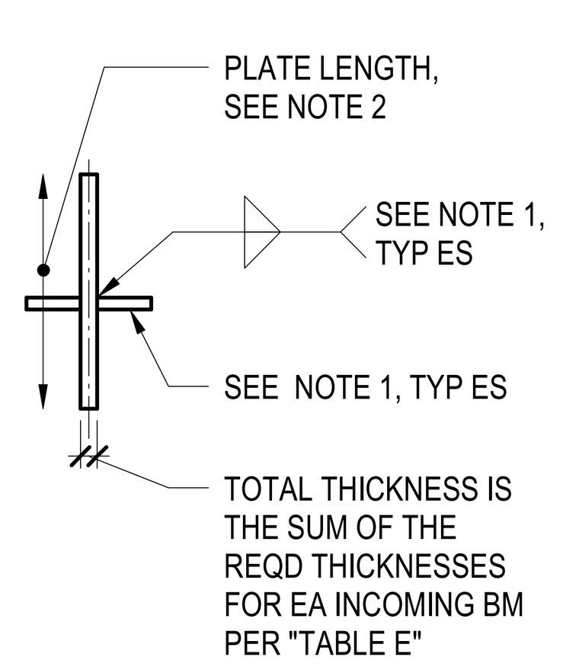
1. VERTICAL PLATE THICKNESS AND WELD SIZE SHALL BE PER "TABLE A" OR "TABLE B", WHICHEVER IS APPLICABLE.
2. PLATE LENGTH SHALL BE DETERMINED PER "TABLE E" BY THE GREATEST NUMBER OF BOLTS REQUIRED FOR EITHER INCOMING BEAM CONNECTION.



SECTION AT PERPENDICULAR BEAMS



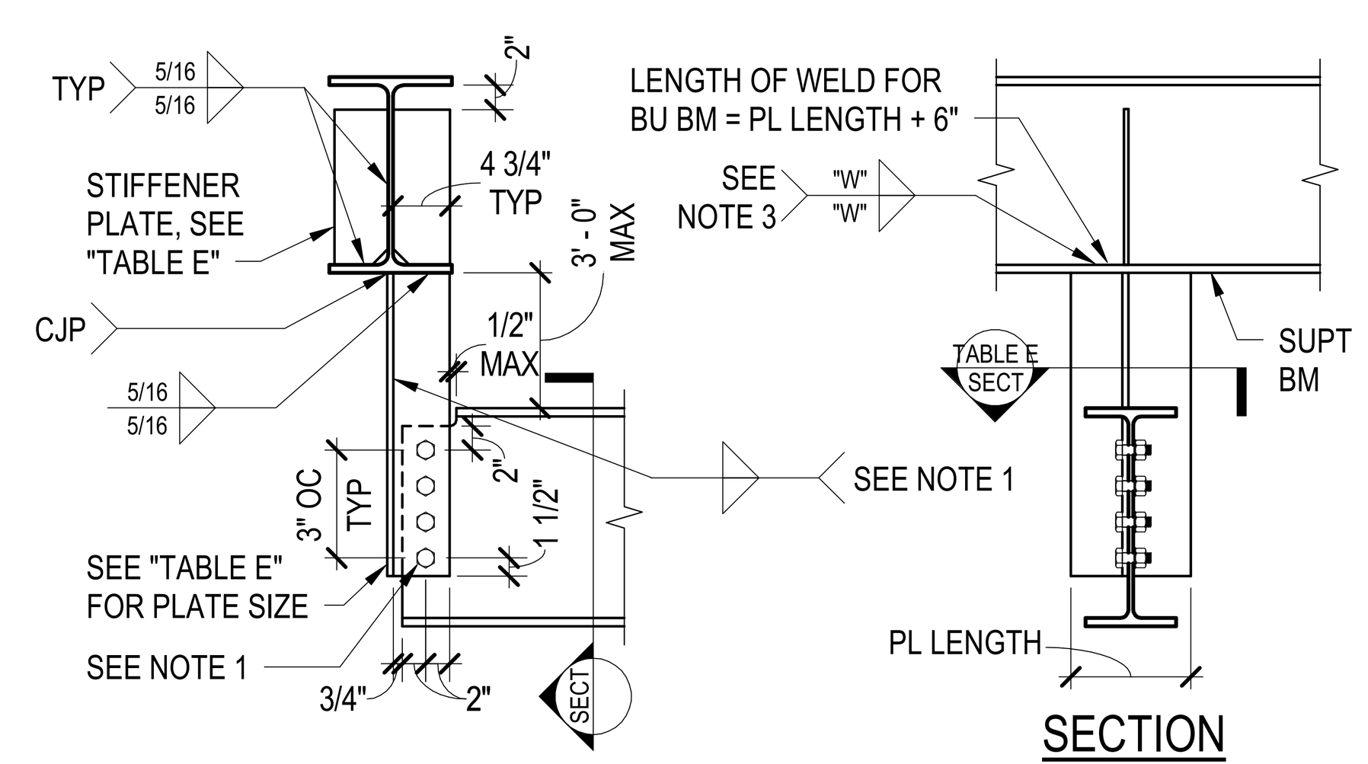
SECTION AT SKEWED BEAMS



SECTION AT INCOMING BEAM BOTH SIDES

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

16 TABLE E

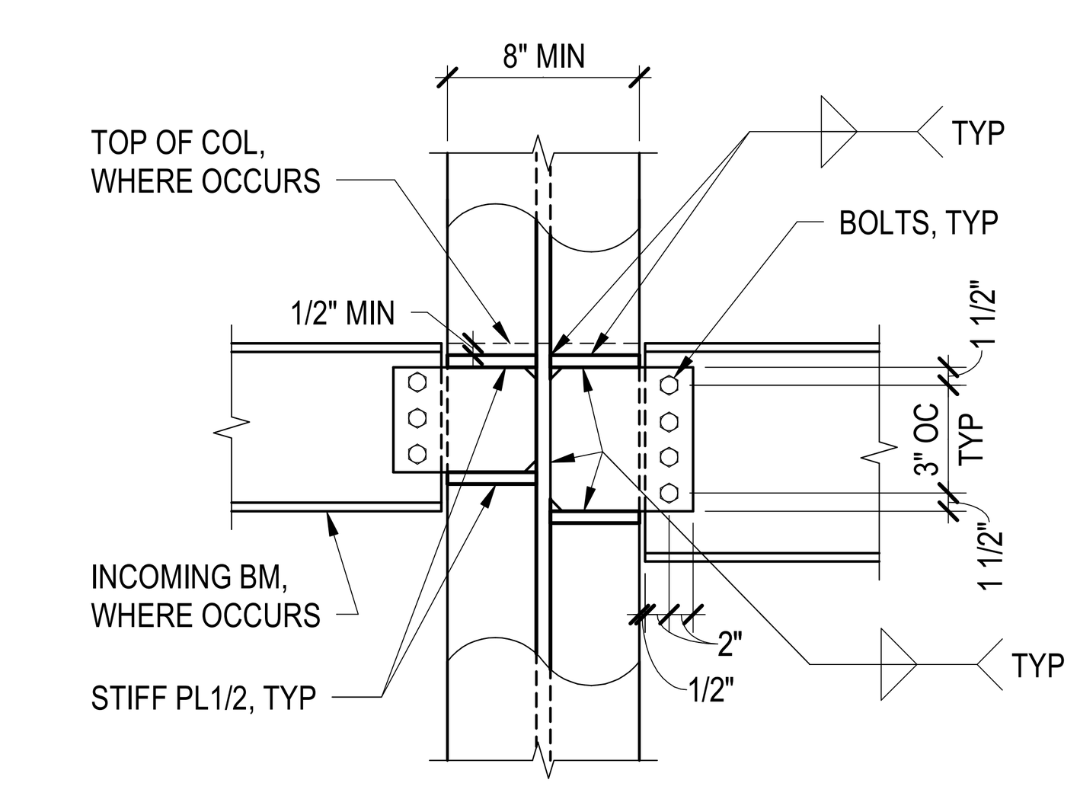


SECTION

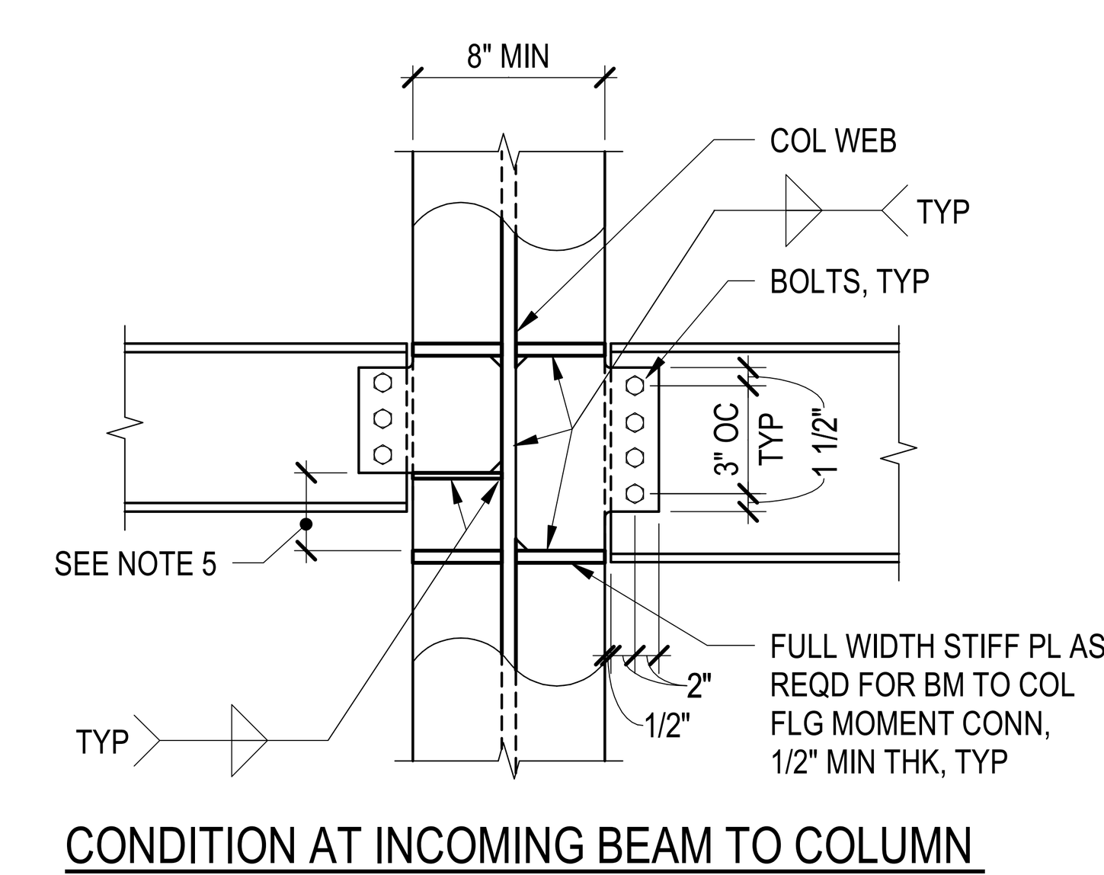
NOTES:

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.

18 TYP TYPE C23 - BEAM TO DEPRESSED BM CONN



TYPICAL CONDITION

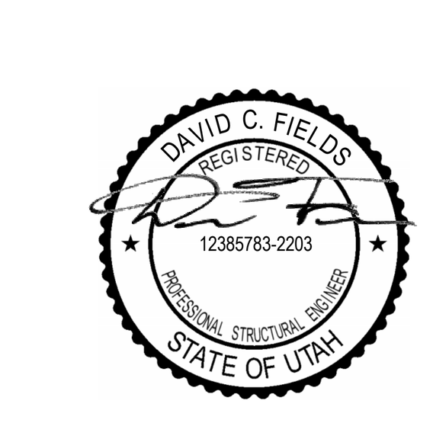


CONDITION AT INCOMING BEAM TO COLUMN FLANGE MOMENT CONNECTION

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.

19 TYPICAL BEAM TO COLUMN WEB SHEAR CONNECTION



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IFC SET 2 OF 3

05/17/2024

TYPICAL STEEL DETAILS

S4.12

TOWER A - ROOF STEEL COLUMN SCHEDULE

Levels: TOWER A - ROOF; 8419' - 6"; TOWER B - LEVEL 5; 8412' - 0" TOWER A - LEVEL 6; 8407' - 6"; TOWER A - LEVEL 5; 8395' - 0"

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

TOWER A - ROOF STEEL COLUMN SCHEDULE

TOWER A - STEEL COLUMN SCHEDULE

Column Locations	TOWER A - LEVEL 6 to LEVEL 5 (8407' - 6")	LEVEL 5 to LEVEL 4 (8395' - 0")	LEVEL 4 to LEVEL 3 (8383' - 0")	LEVEL 3 to LEVEL 2 (8371' - 0")	LEVEL 2 to LEVEL 1 (8359' - 0")	LEVEL 1 to PARKING LEVEL 2 (8345' - 0")	8333' - 0"
SCA1	HSS8x6x1/2 [3]	HSS8x6x1/2 [15]	HSS8x6x5/8 [15]	HSS9x9x1/2 [17]			BASE PL 1 1/4x15x1'-3" 9/S4.11
SCA2	HSS8x6x1/2 [3]	HSS8x6x1/2 [15]	HSS8x6x5/8 [15]	HSS12x6x5/8 [17]	HSS9x9x1/2 [19]		BASE PL 1 1/4x15x1'-3" 9/S4.11
SCA3		W10x77 [2]	W10x88 [6]	W12x120 [6]	W12x152 [12]	W12x152	BASE PL 1 1/4x15x1'-3" 9/S4.11
SCA4	HSS6x6x1/2 [1]						BASE PL 3/4x6x1'-0" 4/S4.11
SCA5		W10x49 [1]	W10x60 [5]	W10x60 [7]	W10x77 [7]	W10x77	BASE PL 3/4x12x1'-0" 2/S4.11
SCA6		W10x49 [1]	W10x49 [5]	W10x49 [5]	W10x60 [5]	W10x60	BASE PL 3/4x12x1'-0" 2/S4.11
SCA13					W10x60	W10x60	BASE PL 3/4x12x1'-0" 2/S4.11
SCA7	W10x49 [1]	W10x49 [5]	W10x49 [7]	W10x60 [7]	W10x77 [7]	W10x77	BASE PL 3/4x12x1'-0" 2/S4.11
SCA8		W10x49 [1]	W10x49 [5]	W10x49 [5]	W10x77 [5]	W10x77	BASE PL 3/4x12x1'-0" 2/S4.11
SCA9	W10x49 [1]	W10x49 [5]	W10x49 [7]	[6]	W10x100	W10x100	BASE PL 3/4x12x1'-2" 2/S4.11
SCA10	W10x49 [1]	W10x49 [5]	W10x49 [7]	W10x60 [7]	W10x77 [7]	W10x77	BASE PL 3/4x12x1'-0" 2/S4.11
SCA11	W10x49 [1]	W10x49 [5]	W10x49 [5]	W10x49 [5]	W10x77 [7]	W10x77	BASE PL 3/4x12x1'-0" 2/S4.11
SCA12						W10x60	BASE PL 3/4x12x1'-0" 2/S4.11

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 A - STEEL COLUMN SCHEDULE

TOWER AB CONNECTOR - STEEL COLUMN SCHEDULE

Levels: TOWER A - LEVEL 2; 8359' - 0"; TOWER A - LEVEL 1; 8345' - 0"

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

TOWER AB CONNECTOR - STEEL COLUMN SCHEDULE

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date 05/17/2024

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	11/18/2022	95% CD	

IFC SET 2 OF 3

05/17/2024

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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job no. 20052
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IFC SET 2 OF 3

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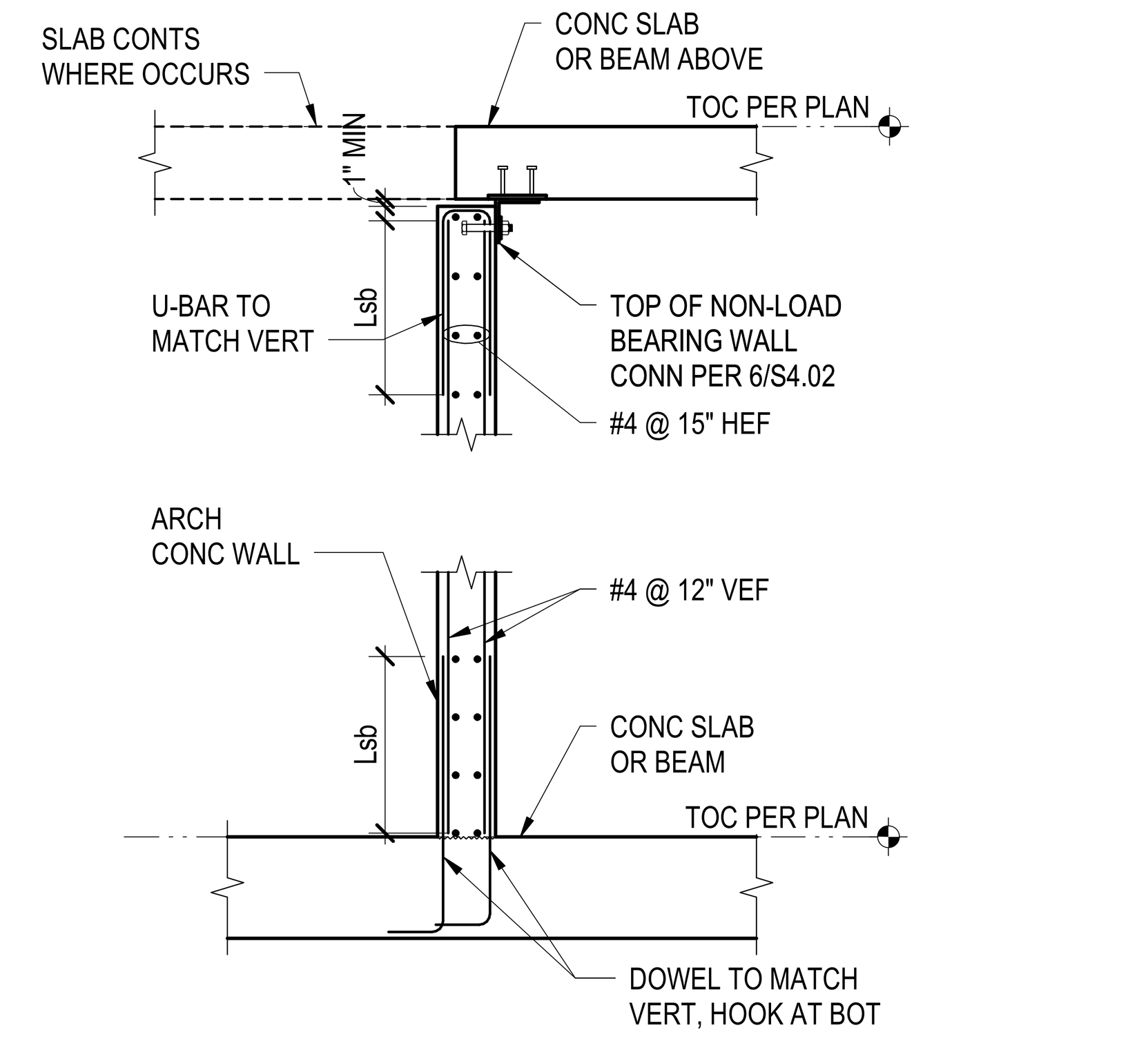
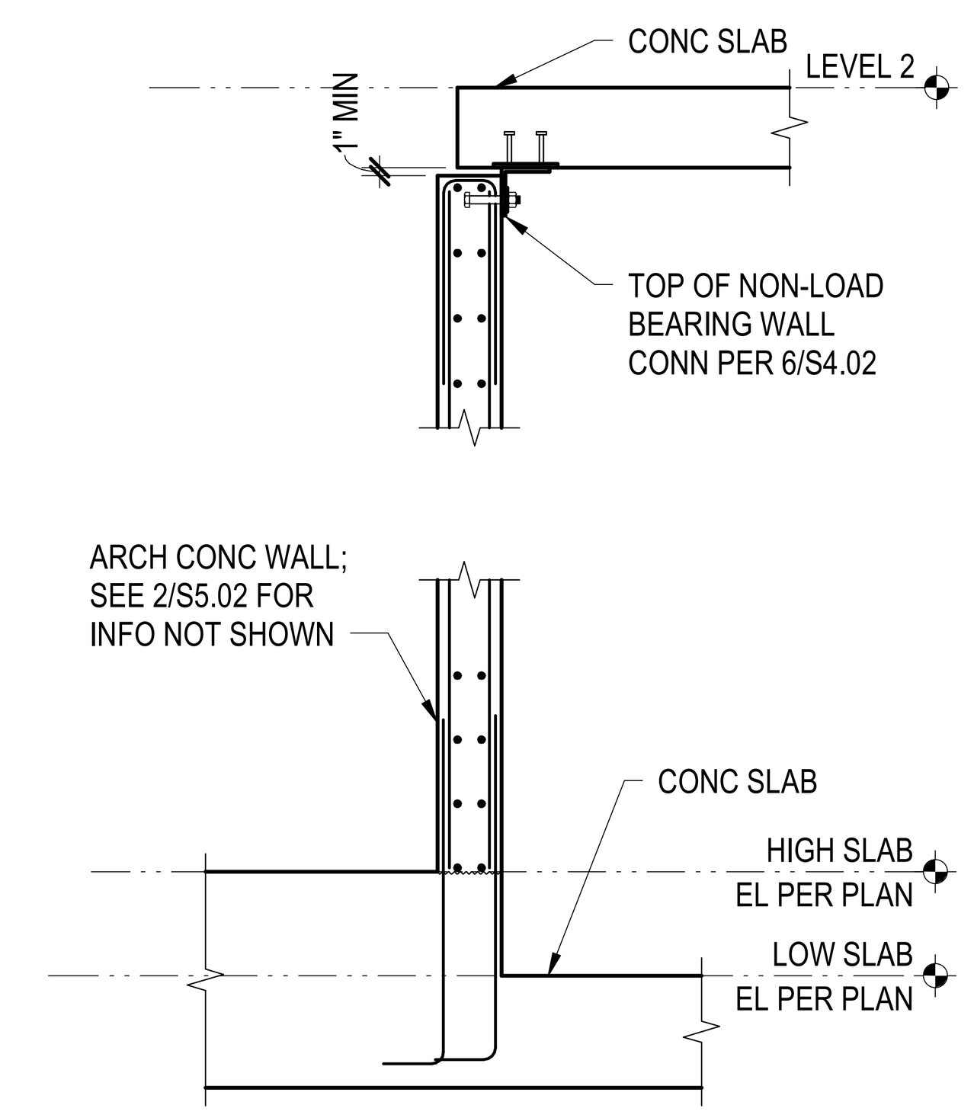
TOWER B STEEL COLUMN SCHEDULE

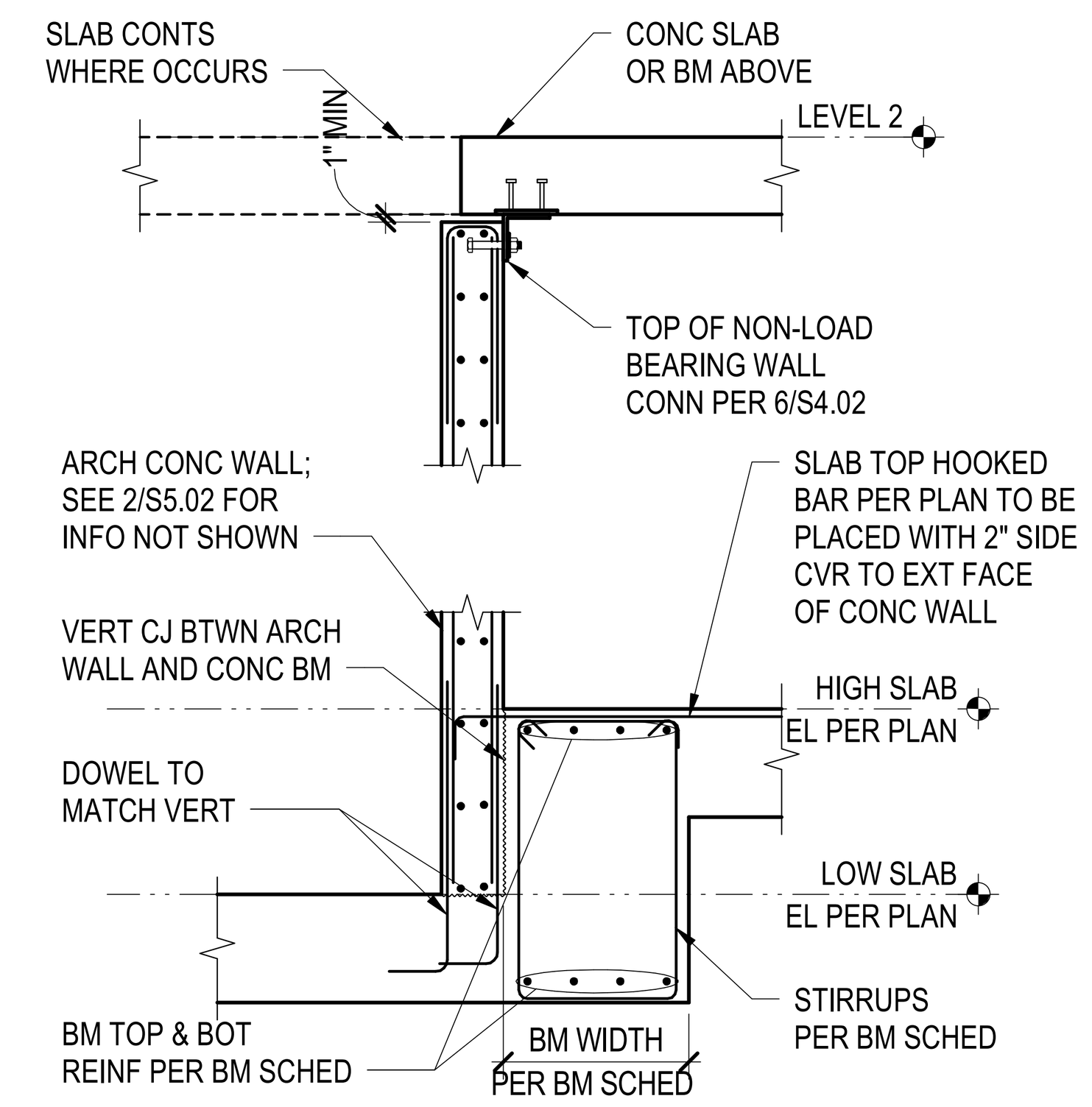
S4.B.10



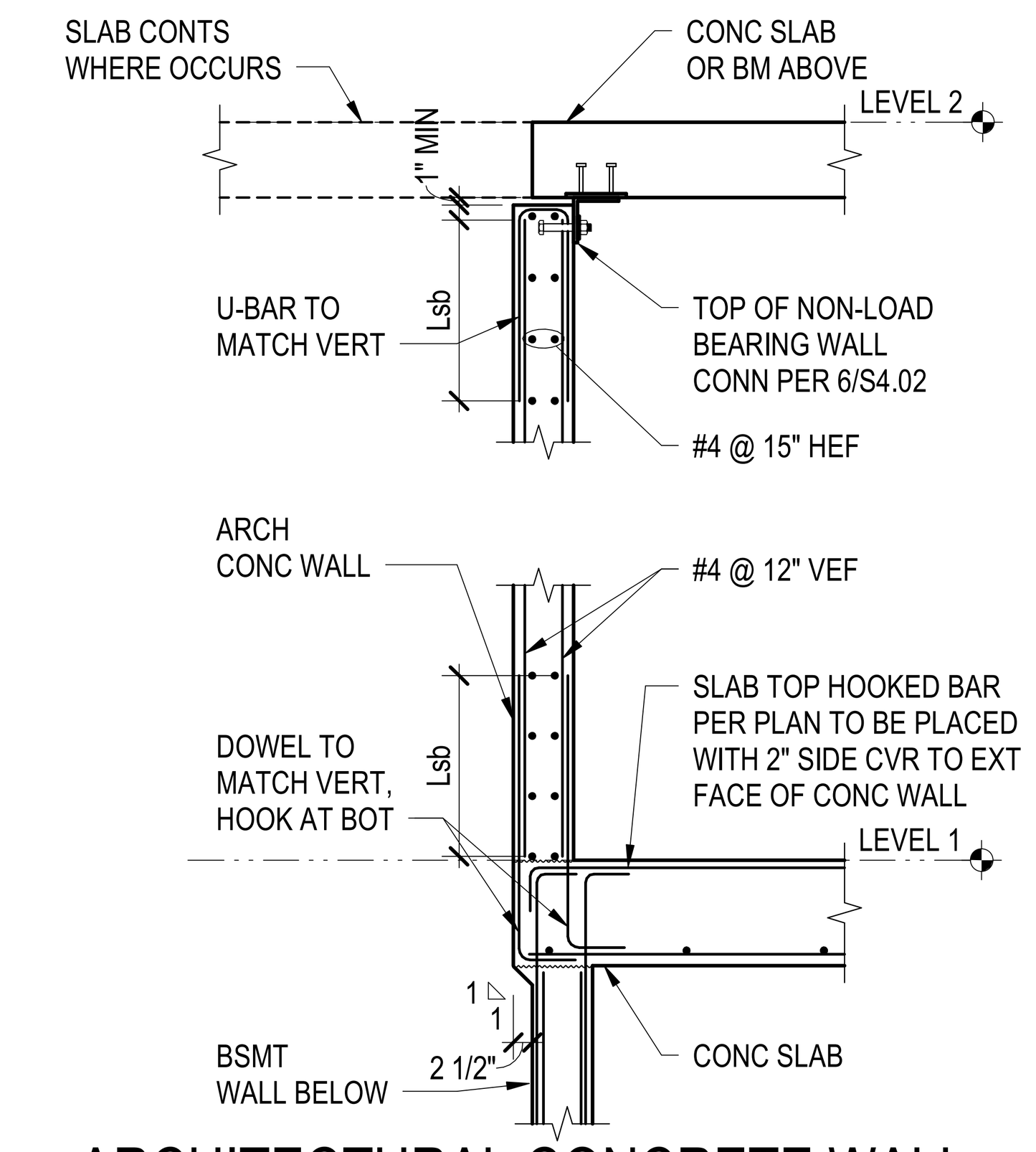
2 ARCHITECTURAL CONCRETE WALL
1/2" = 1'-0"



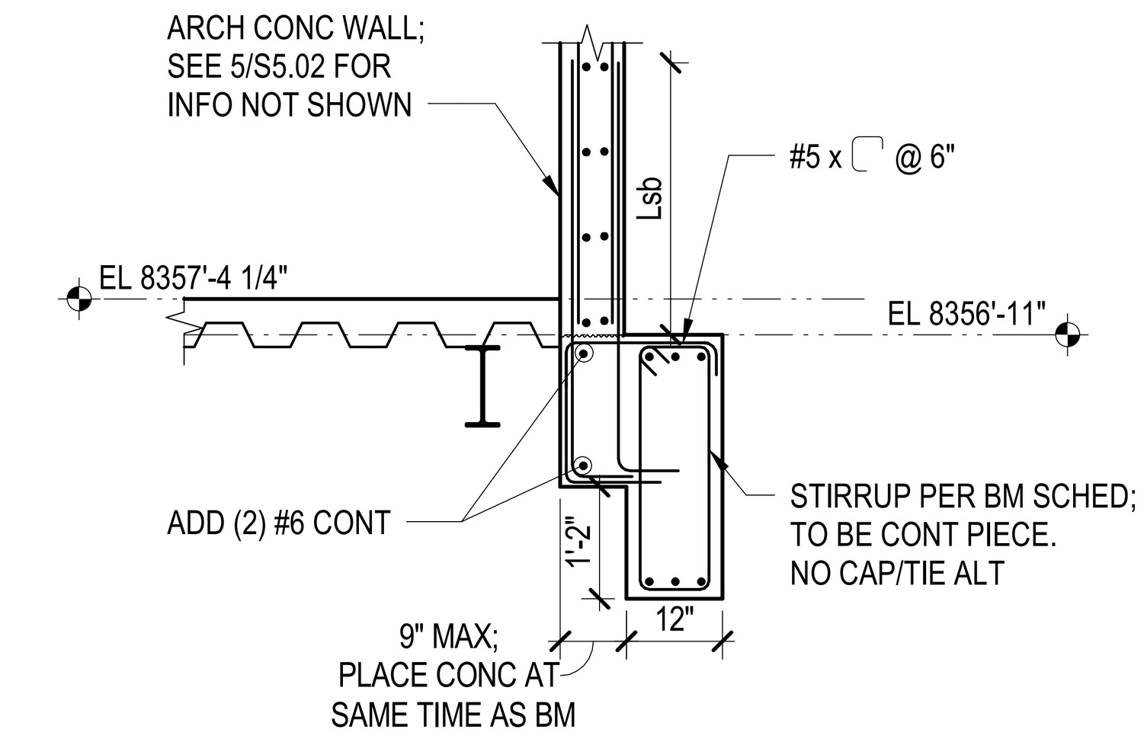
3 ARCHITECTURAL CONCRETE WALL AT SLAB STEP
1/2" = 1'-0"



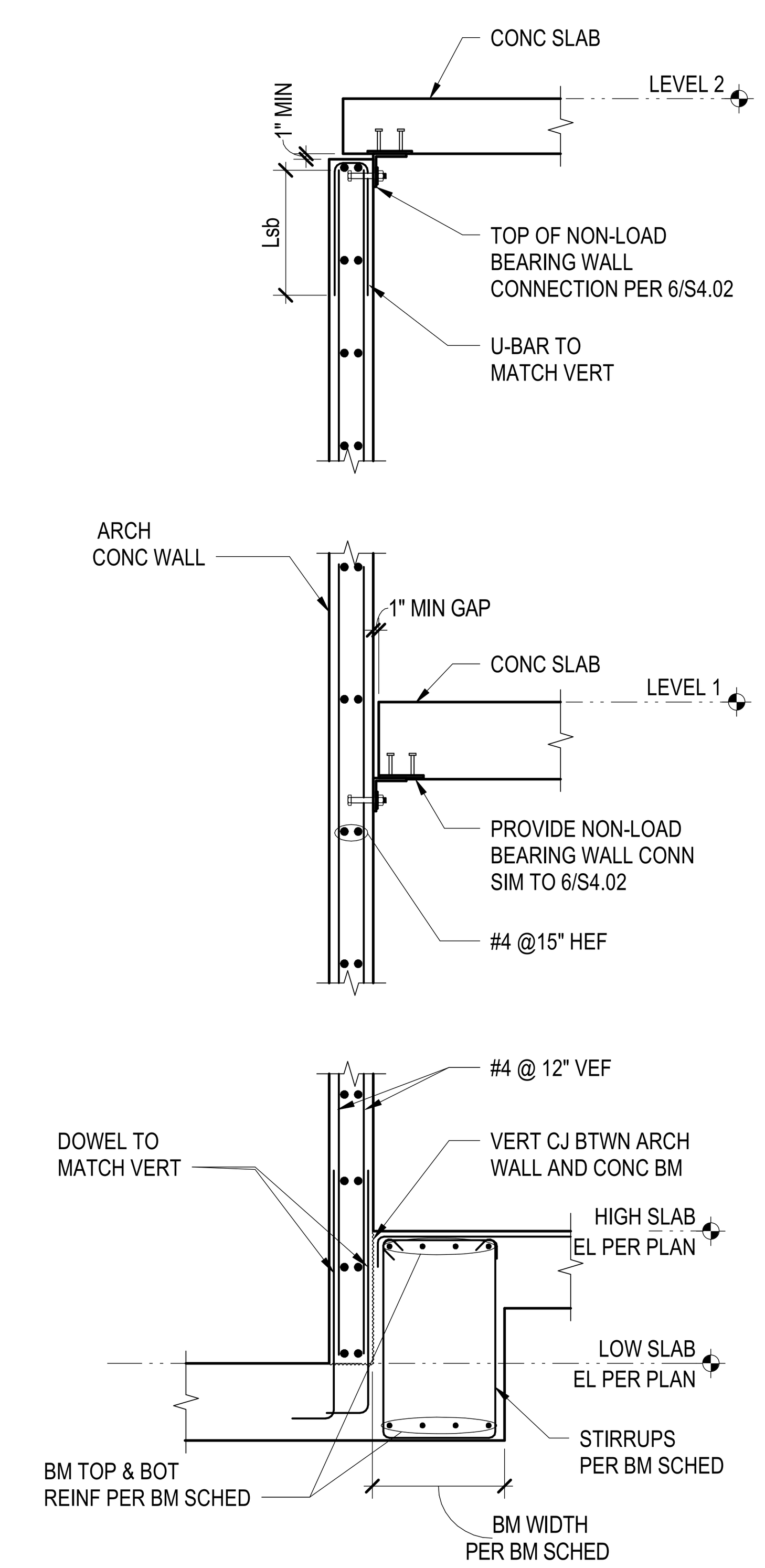
4 ARCHITECTURAL CONCRETE WALL AT STEP BEAM
1/2" = 1'-0"



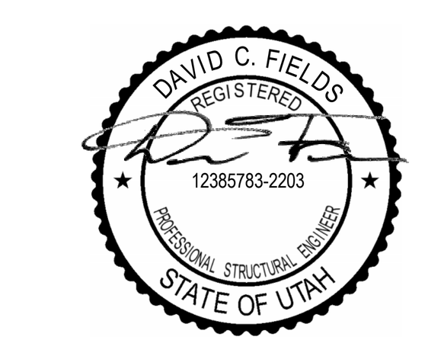
5 ARCHITECTURAL CONCRETE WALL ABOVE BASEMENT WALL
1/2" = 1'-0"



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

revisions:

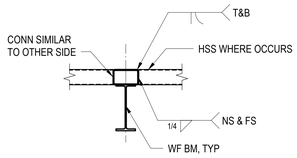
no.	date		by
3	8/19/2024	ASI-004	

IFC SET 2 OF 3

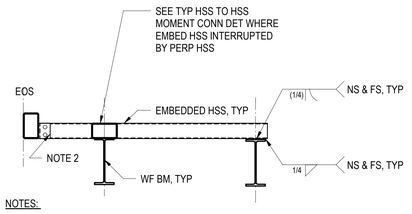
05/17/2024

TOWER A & B
CONCRETE
SECTIONS AND
DETAILS

S5.02



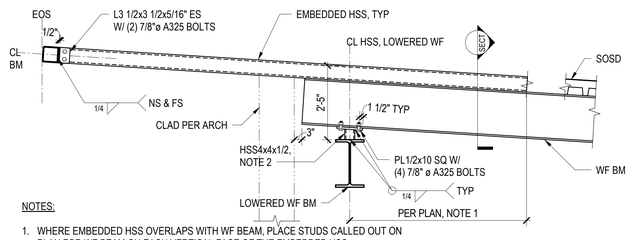
1 TYPICAL HSS TO HSS MOMENT CONNECTION



NOTES:

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

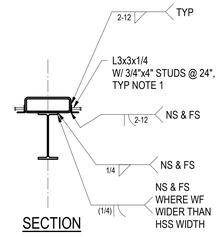
2 TYPICAL HSS PERPENDICULAR TO SLOPE



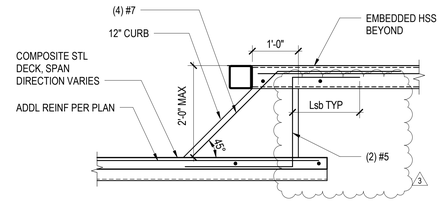
NOTES:

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



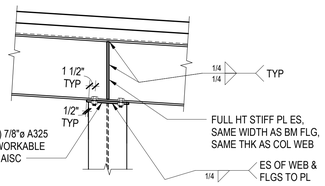
SECTION



NOTES:

1. FRAMING NOT SHOWN FOR CLARITY.

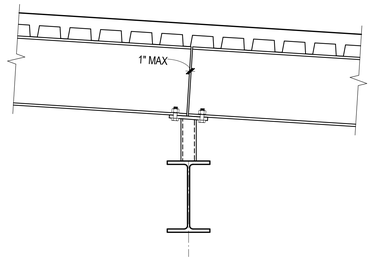
5 CURB AT ADDL REINF THROUGH UNEVEN ROOFS



NOTES:

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

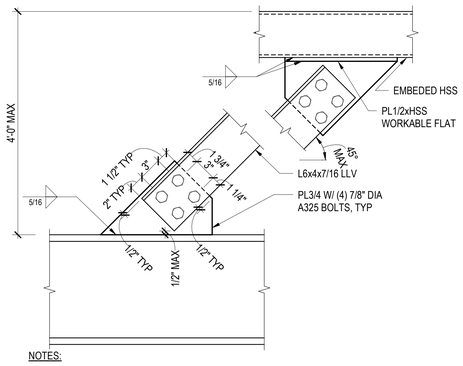
8 TYPICAL WF BEARING CONNECTION AT WF COLUMN



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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REGISTERED
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PROFESSIONAL STRUCTURAL ENGINEER
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Reserved for permit stamp

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IFC SET 2 OF 3

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TOWER C STEEL SECTIONS AND DETAILS

S6.06