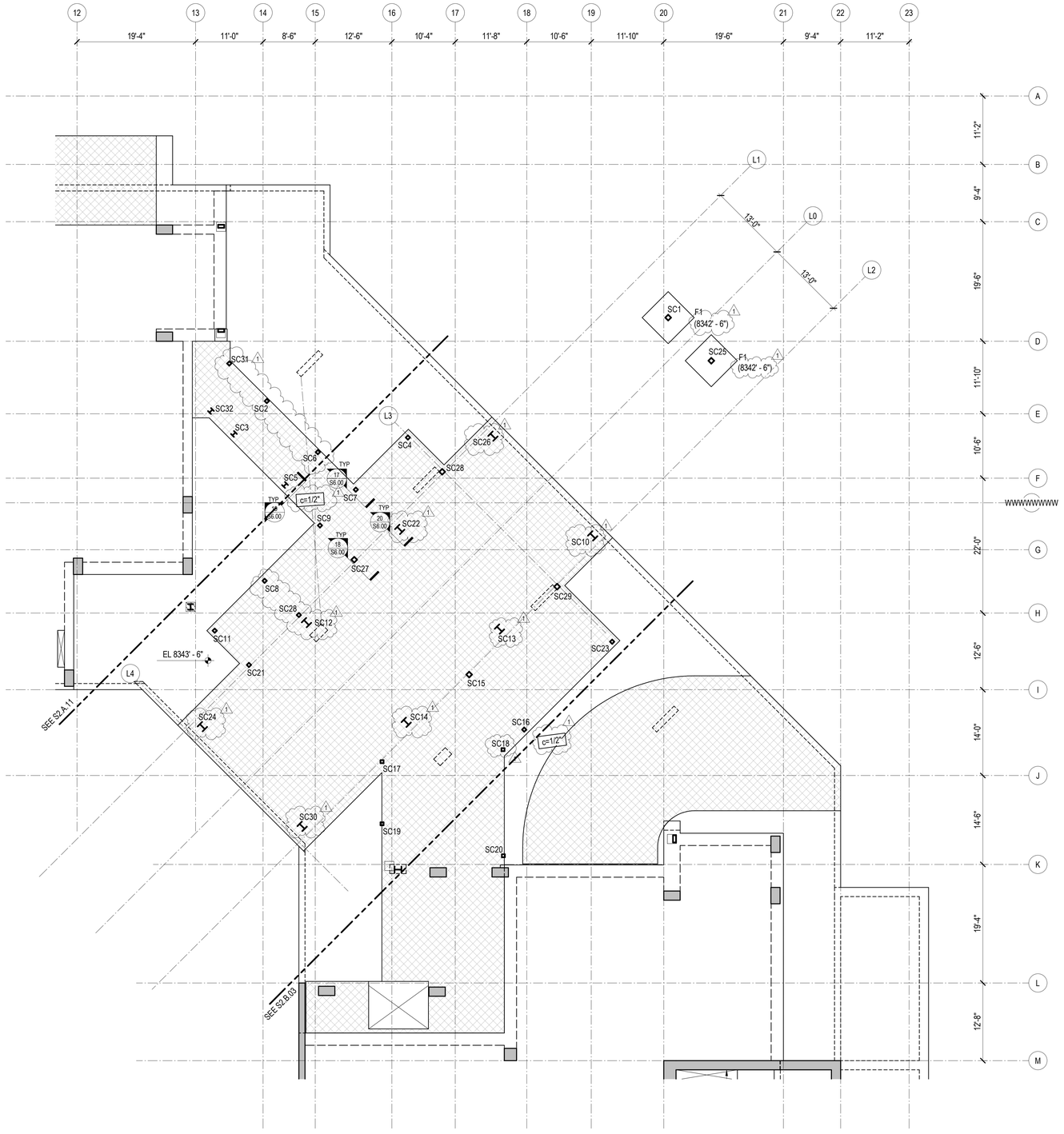

1 TOWER A & B - LEVEL 1 LOBBY FRAMING PLAN

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 8343'-6". 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 EMBEDMENT 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. ( ) INDICATES TOP OF FOOTING/ MAT FOUNDATION ELEVATION. ALL FOOTINGS SHALL BE PLACED AT TOP COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
10. "FX" INDICATES FOOTING MARK. SEE FOOTING SCHEDULE FOR SIZE AND REINFORCEMENT.
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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CONSTRUCTION DOCUMENTS

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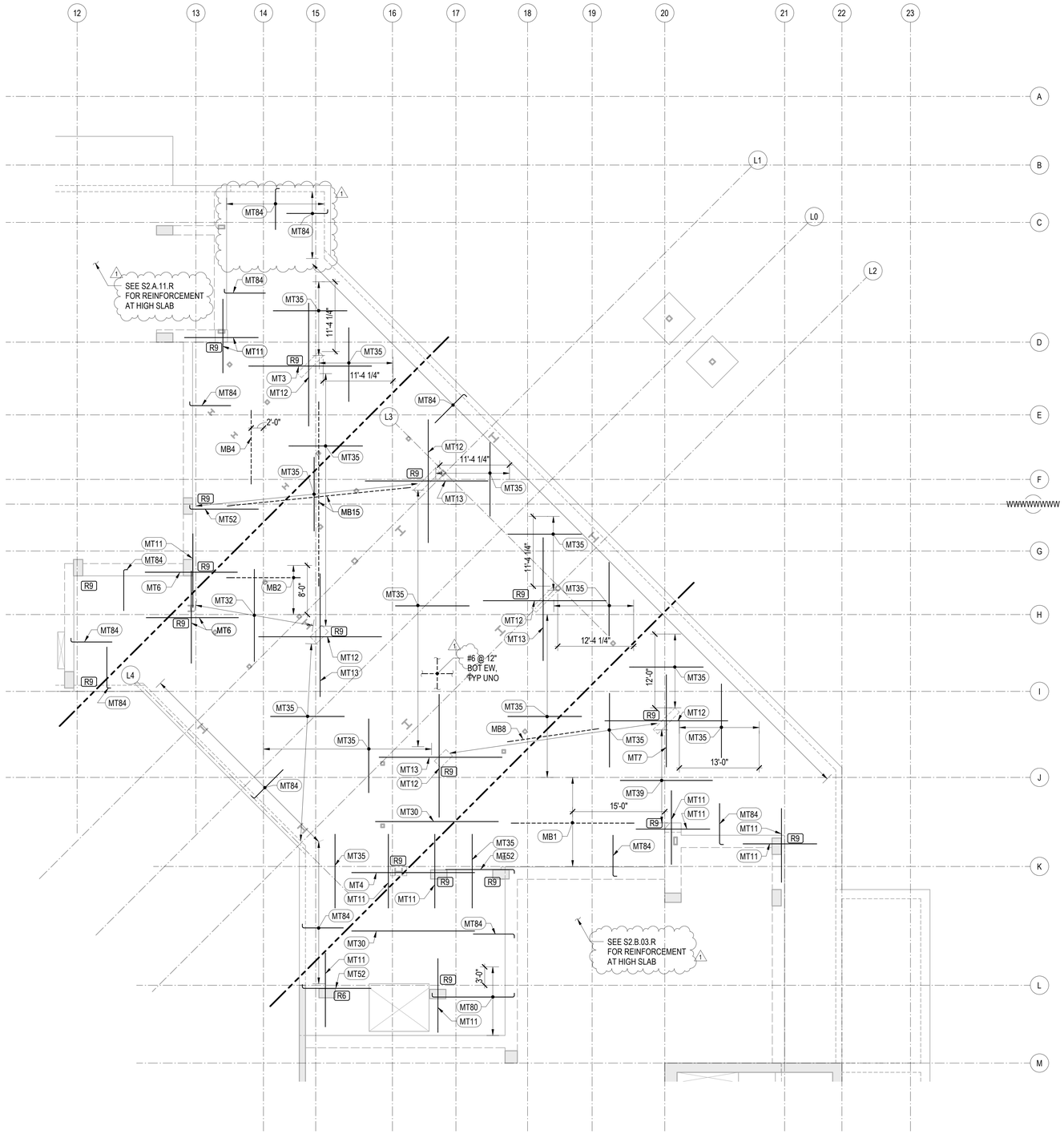
AB CONNECTOR LEVEL 1 FRAMING PLAN

S2.AB.11



1 TOWER A & B - LEVEL 1 LOBBY FRAMING 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.

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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CONSTRUCTION DOCUMENTS

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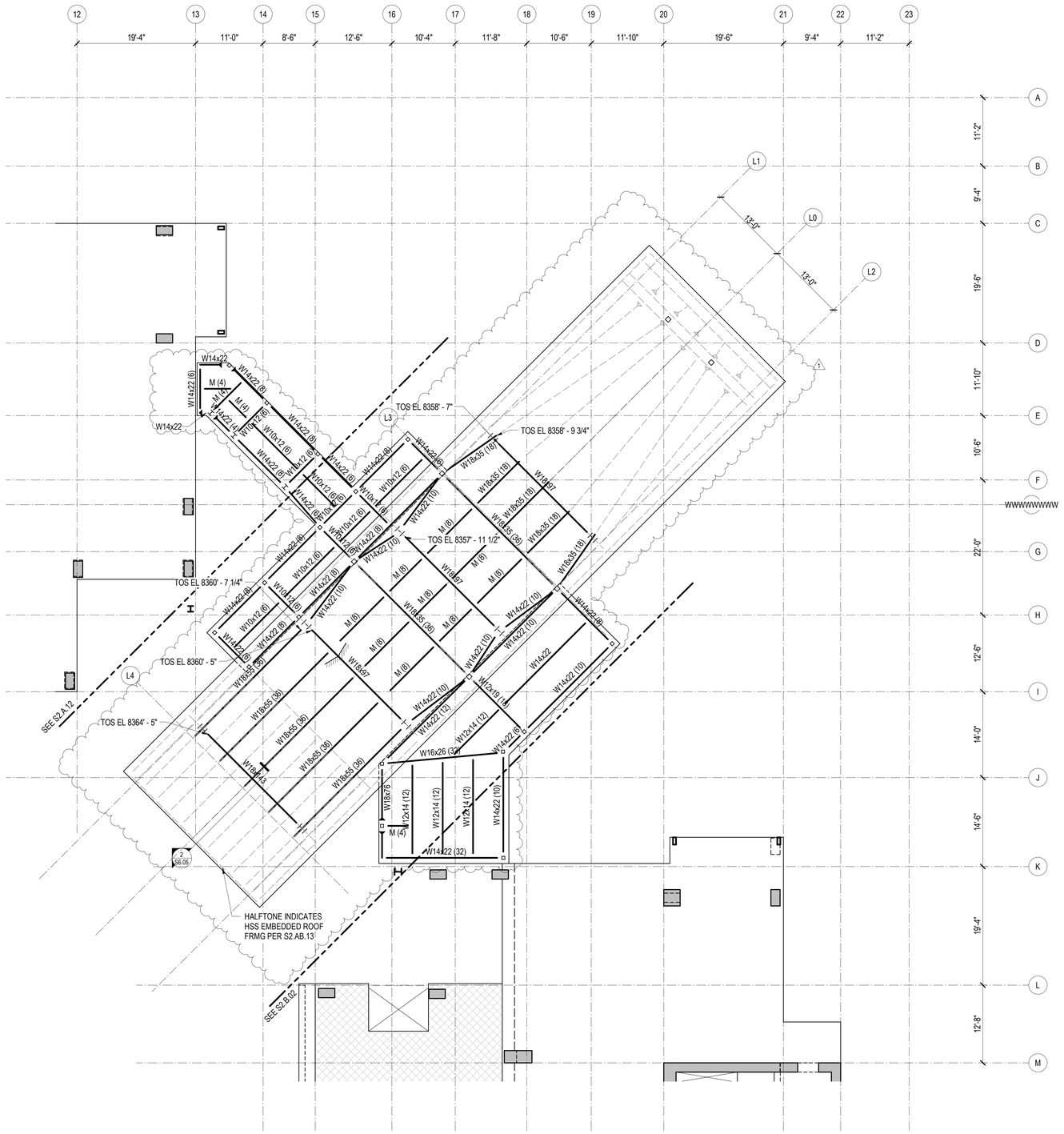
AB CONNECTOR LEVEL 1 REINFORCING PLAN

S2.AB.11.R



1 TOWER A & B - 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 8357'-4 1/4". 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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CONSTRUCTION DOCUMENTS

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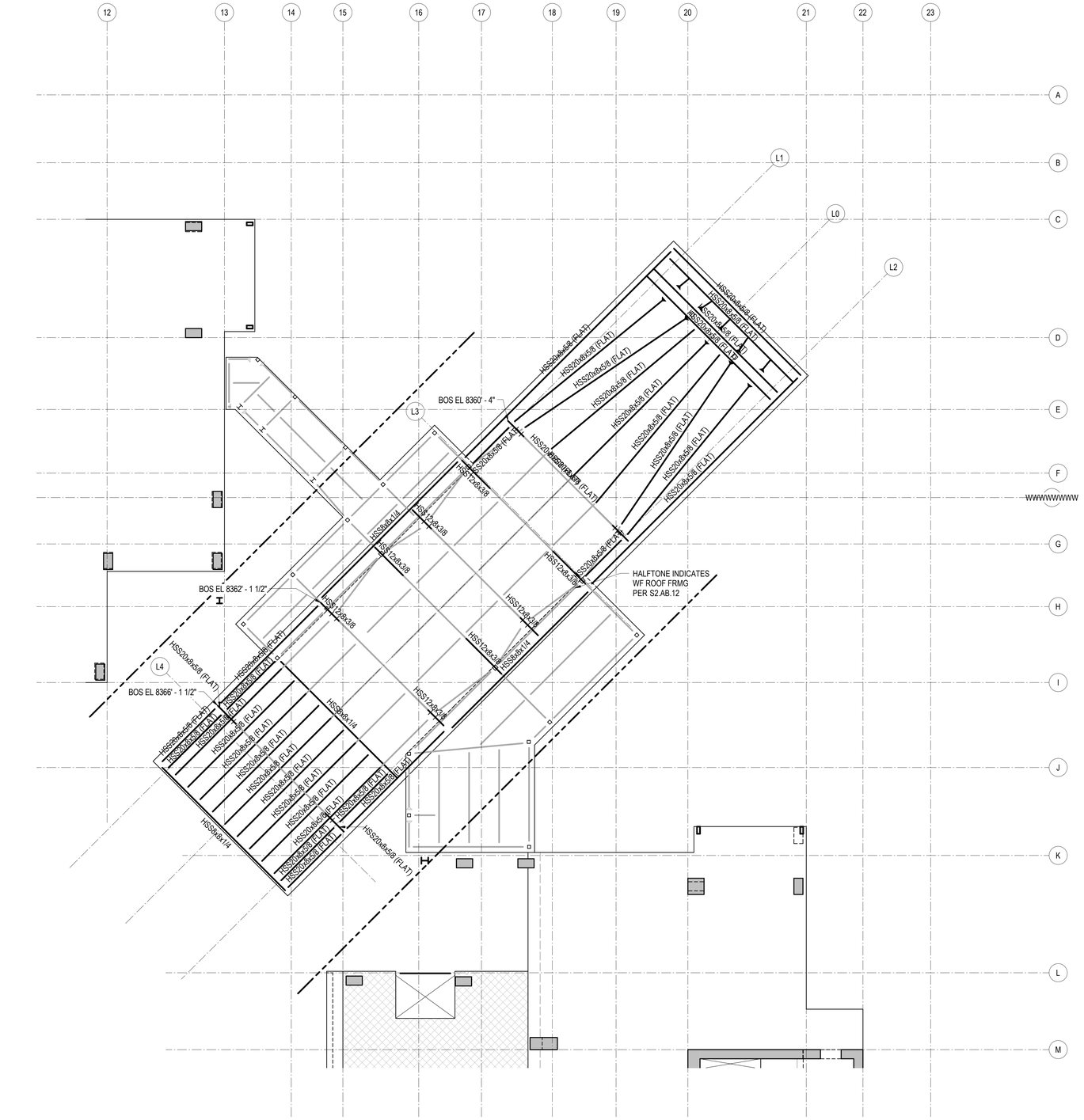
AB CONNECTOR ROOF FRAMING PLAN

S2.AB.12



1 TOWER A & B - 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. REFER TO CORRESPONDING ROOF FRAMING PLAN FOR ADDITIONAL SHEET NOTES.
2. FRAMING PLAN INDICATES HSS FRAMING THAT IS EMBEDDED WITHIN THE SLAB ON STEEL DECK THICKNESS.
3. BOTTOM OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK.

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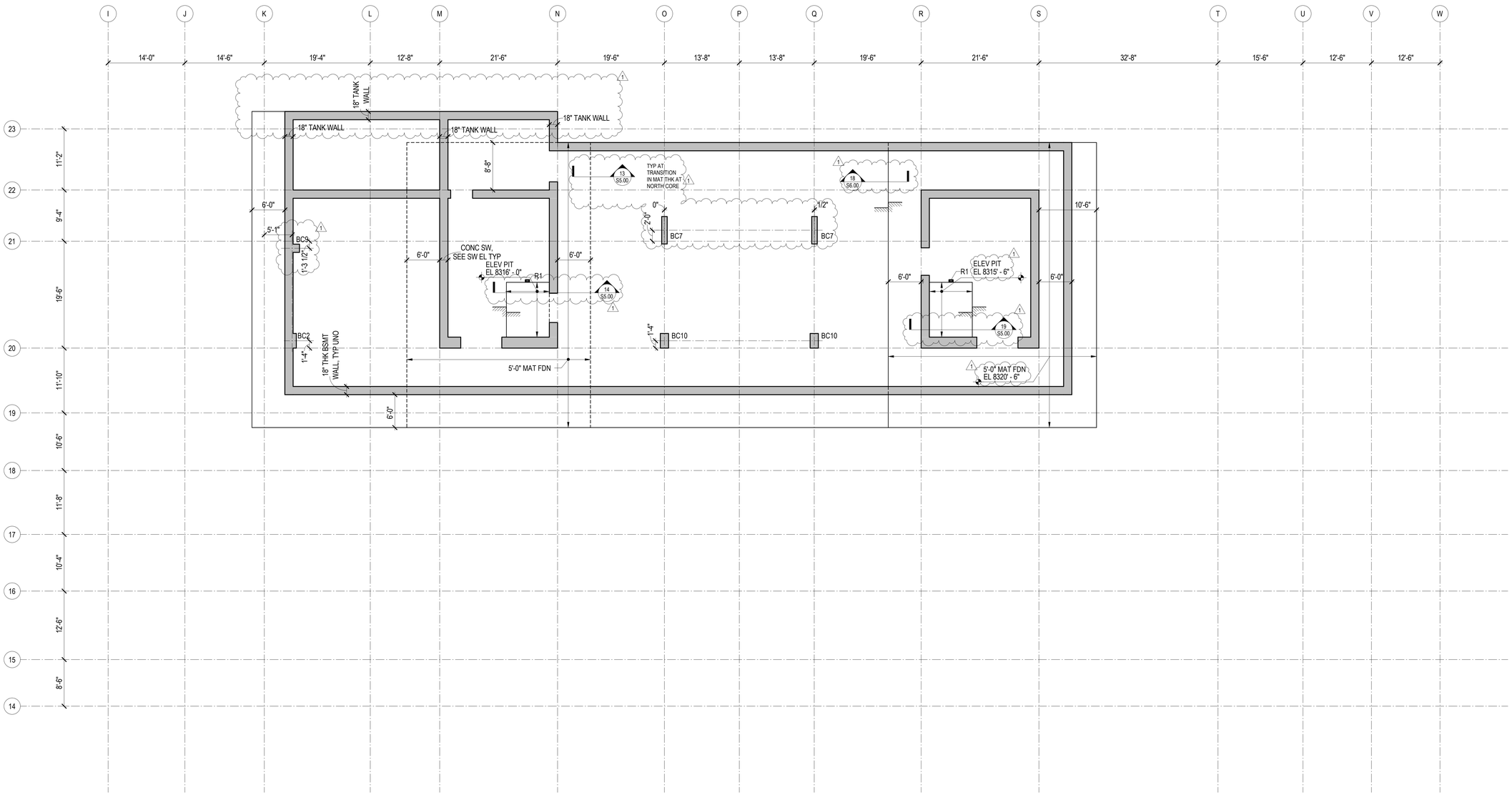
AB CONNECTOR EMBEDDED HSS ROOF FRAMING PLAN

1

S2.AB.13



1 TOWER B - LEVEL B1 FRAMING PLAN

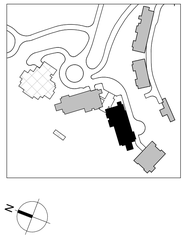
1/8" = 1'-0"

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 ELEVATION IS 8319' - 8". TOP OF MAT IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS FOR DIMENSIONS OF ALL SLAB EDGES, OPENINGS, SLOPES, AND DEPRESSIONS NOT DEFINED ON THE STRUCTURAL PLANS.
2. MAT FOUNDATION IS 3'-0" THICK UNLESS NOTED OTHERWISE. UPON REACHING THE MAT FOUNDATION SUBGRADE ELEVATION, SOIL CONDITIONS SHALL BE EVALUATED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.
3. SHEAR WALL OPENINGS, WALL ENDS, AND WALL LOCATIONS ARE DIMENSIONED RELATIVE TO GRID LINES ON THE SHEAR WALL ELEVATION.
4. BASEMENT WALLS SHALL BE RESTRAINED AT EACH FLOOR BY THE STRUCTURAL SLAB AND AT THE BOTTOM OF THE MAT, AND SHALL HAVE REACHED DESIGN STRENGTH PRIOR TO PLACING BACKFILL AND/OR DE-TENSIONING TIE-BACK ANCHORS.
5. BASEMENT WALLS ARE DESIGNED FOR A FULLY DRAINED CONDITION IN THE RETAINED SOIL.
6. BASEMENT WALL REINFORCEMENT IS SHOWN ON THE BASEMENT WALL ELEVATIONS.
7. THE STRUCTURAL SLAB IS A 10-INCH THICK MILD TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE THE TYPICAL MILD SLAB DETAILS.
8. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
9. 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.
10. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS PRIOR TO CASTING FOUNDATIONS.
11. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, EDGE ANGLES, AND SLAB PENETRATIONS. PROVIDE DOCK LEVELER, ELEVATOR PITS, ESCALATOR PITS, SUMP PITS, M/E/P VAULTS, TRENCH AND AREA DRAINS, AND CONCRETE ENCASEMENTS/EMBEDMENTS/INSERTS/ETC. AS REQUIRED. REINFORCE PER TYPICAL DETAILS.
12. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR SIDEWALKS, PAVING, AND SITE DETAILS AT BUILDING EXTERIOR UNLESS NOTED OTHERWISE.
13. [ ] 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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CONSTRUCTION DOCUMENTS

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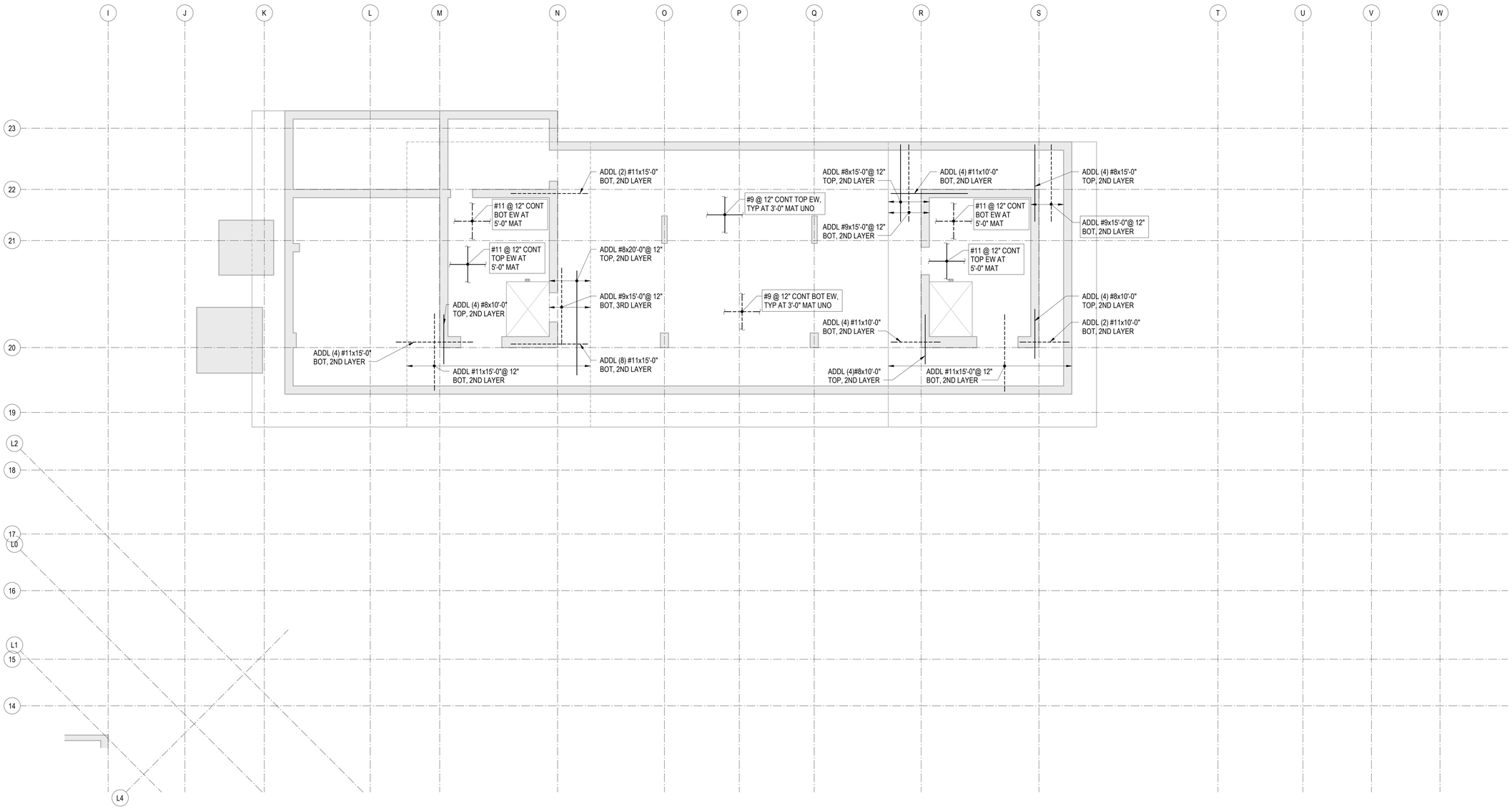
TOWER B LEVEL B1 FRAMING PLAN

S2.B.01



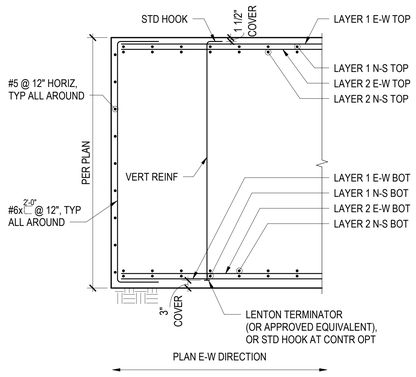
1 TOWER B - LEVEL B1 - LONGITUDINAL REINFORCEMENT PLAN

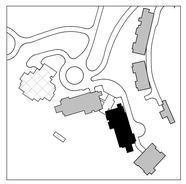
1/8" = 1'-0"

MAT FOUNDATION REINFORCING NOTES:

1. SEE THE "GENERAL NOTES" FOR GENERAL REINFORCING REQUIREMENTS.
2. SEE MAT REINFORCEMENT PLACEMENT DIAGRAM FOR LAYER AND DIRECTION KEY FOR MAT REINFORCEMENT PLACEMENT.
3. HOOK OR PROVIDE TERMINATORS AT ALL #11 BARS OR SMALLER AND PROVIDE TERMINATORS AT ALL #14 AND #18 BARS INTERRUPTED AT PITS AND OPENINGS.
4. PLACE BARS ON LAYER 1, UNLESS NOTED OTHERWISE.
5. ALL TOP AND BOTTOM REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.
6. VERTICAL REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.

FOUNDATION VERTICAL REINFORCING SCHEDULE		
TYPE	REINFORCING	REMARKS
A	#7 @ 24" EACH WAY	
B	#8 @ 24" EACH WAY	
C	#9 @ 24" EACH WAY	
D	#7 @ 24" EACH WAY	





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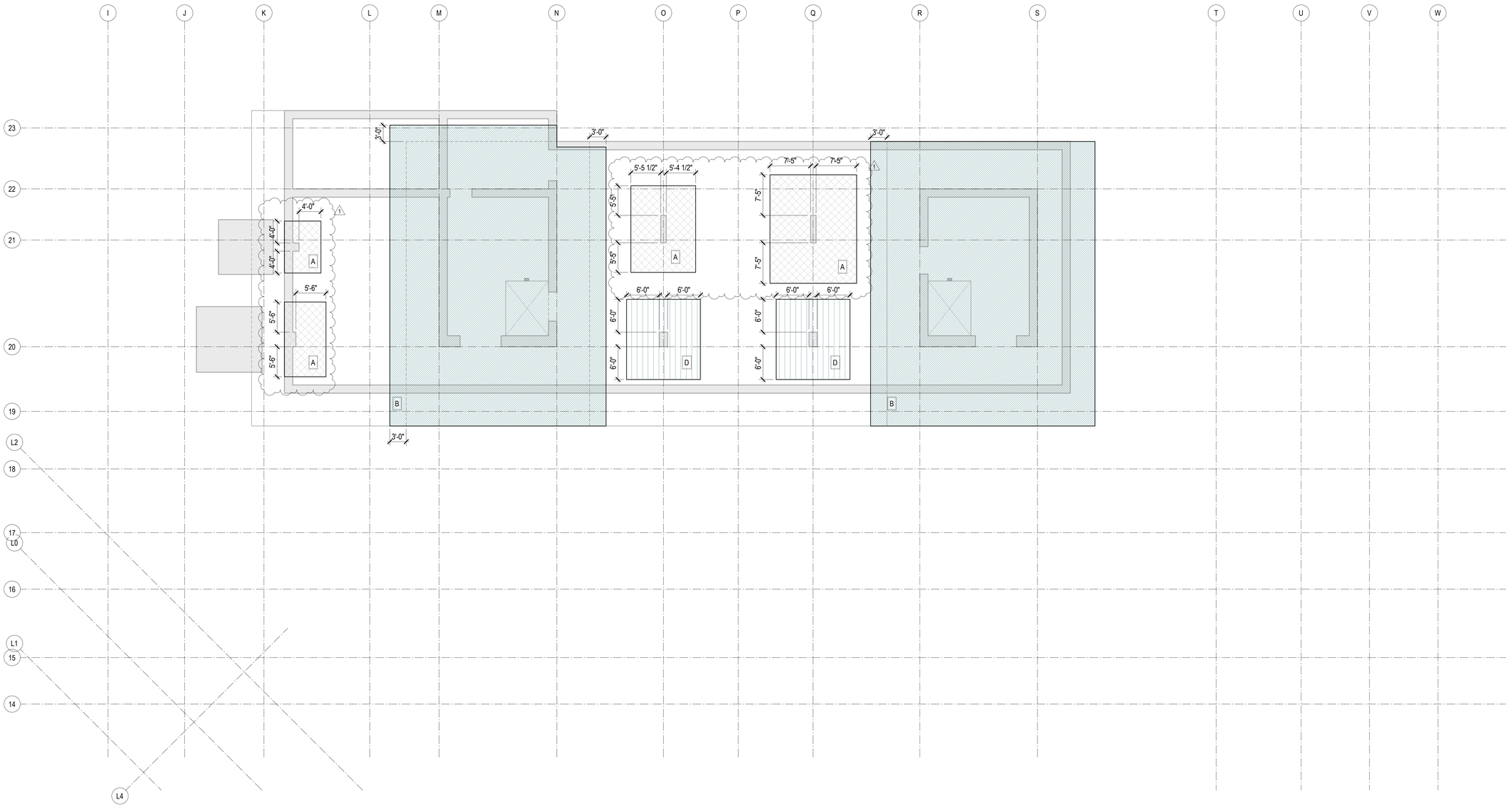
TOWER B LEVEL B1 LONGITUDINAL REINFORCING PLAN

S2.B.01.B



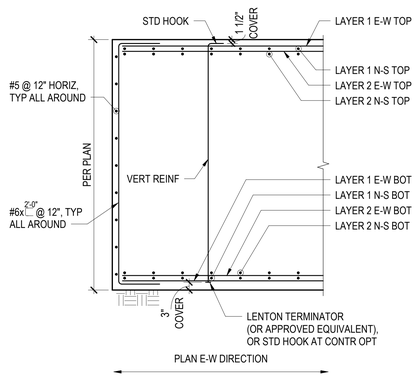
1 TOWER B - LEVEL B1 - SHEAR REINFORCEMENT PLAN

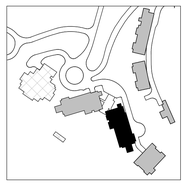
1/8" = 1'-0"

MAT FOUNDATION REINFORCING NOTES:

1. SEE THE "GENERAL NOTES" FOR GENERAL REINFORCING REQUIREMENTS.
2. SEE MAT REINFORCEMENT PLACEMENT DIAGRAM FOR LAYER AND DIRECTION KEY FOR MAT REINFORCEMENT PLACEMENT.
3. HOOK OR PROVIDE TERMINATORS AT ALL #11 BARS OR SMALLER AND PROVIDE TERMINATORS AT ALL #14 AND #18 BARS INTERRUPTED AT PITS AND OPENINGS.
4. PLACE BARS ON LAYER 1, UNLESS NOTED OTHERWISE.
5. ALL TOP AND BOTTOM REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.
6. VERTICAL REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.

FOUNDATION VERTICAL REINFORCING SCHEDULE		
TYPE	REINFORCING	REMARKS
A	#7 @ 24" EACH WAY	1
B	#8 @ 24" EACH WAY	
C	#9 @ 24" EACH WAY	
D	#7 @ 24" EACH WAY	





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revisions:

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CONSTRUCTION DOCUMENTS

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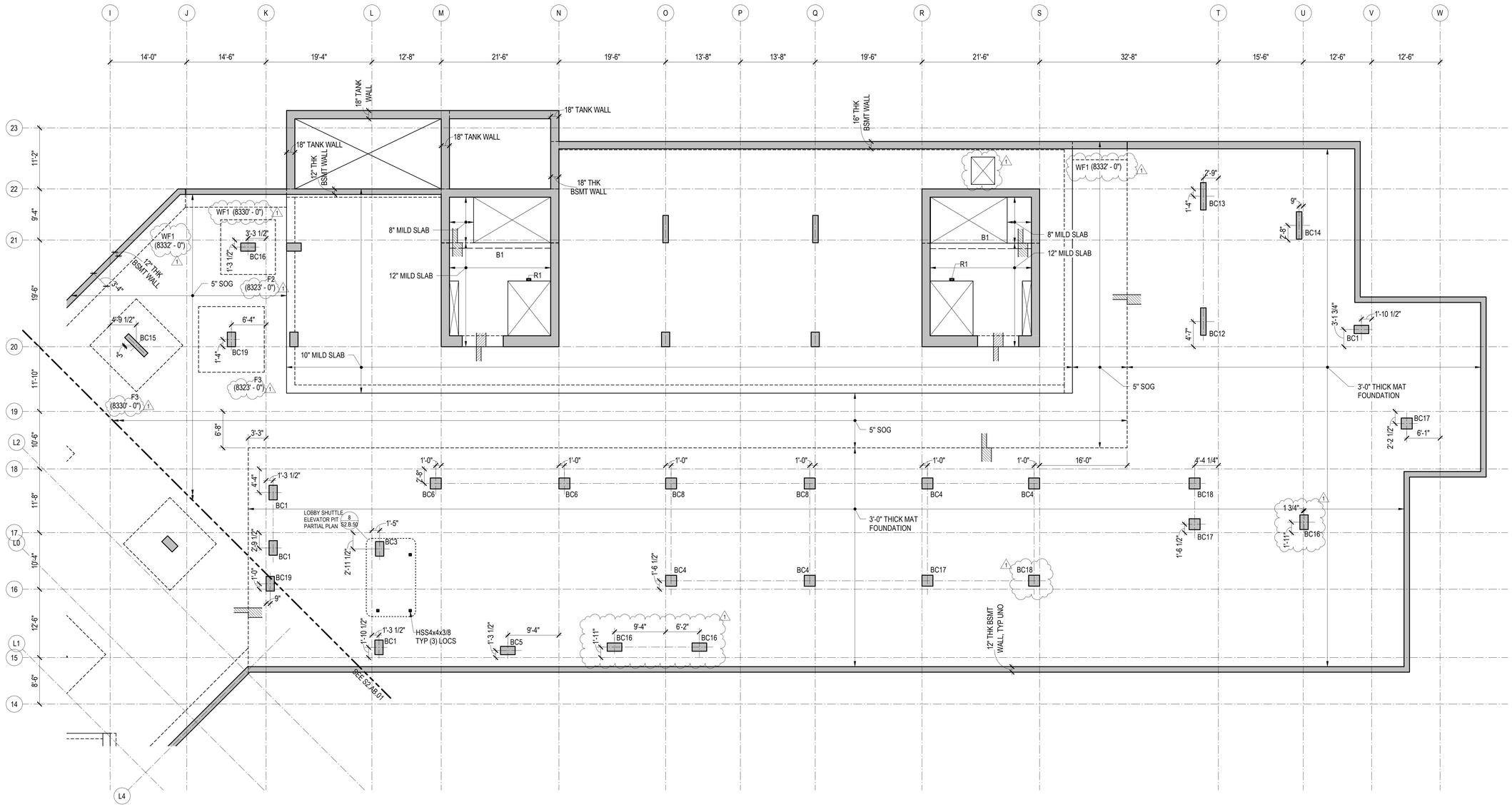
TOWER B LEVEL B1 SHEAR REINFORCING PLAN

S2.B.01.V



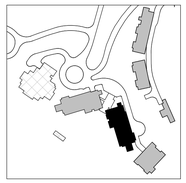
1 TOWER B - PARKING LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

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 ELEVATION IS 8333' - 0". TOP OF MAT IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL PLANS FOR DIMENSIONS OF ALL SLAB EDGES, OPENINGS, SLOPES, AND DEPRESSIONS NOT DEFINED ON THE STRUCTURAL PLANS.
2. MAT FOUNDATION IS 3'-0" THICK UNLESS NOTED OTHERWISE. UPON REACHING THE MAT FOUNDATION SUBGRADE ELEVATION, SOIL CONDITIONS SHALL BE EVALUATED AND APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.
3. SHEAR WALL OPENINGS, WALL ENDS, AND WALL LOCATIONS ARE DIMENSIONED RELATIVE TO GRID LINES ON THE SHEAR WALL ELEVATION.
4. BASEMENT WALLS SHALL BE RESTRAINED AT EACH FLOOR BY THE STRUCTURAL SLAB AND AT THE BOTTOM OF THE MAT, AND SHALL HAVE REACHED DESIGN STRENGTH PRIOR TO PLACING BACKFILL AND/OR DE-TENSIONING TIE-BACK ANCHORS.
5. BASEMENT WALLS ARE DESIGNED FOR A FULLY DRAINED CONDITION IN THE RETAINED SOIL.
6. BASEMENT WALL REINFORCEMENT IS SHOWN ON THE BASEMENT WALL ELEVATIONS.
7. THE STRUCTURAL SLAB IS A 10-INCH THICK MILD TWO-WAY SLAB UNLESS NOTED OTHERWISE. SEE THE TYPICAL MILD SLAB DETAILS.
8. CONCRETE PLACED IN THE SLAB/SHEAR WALL INTERSECTION, INCLUDING COUPLING BEAMS, SHALL HAVE MINIMUM CONCRETE STRENGTH EQUAL TO THAT SPECIFIED FOR THE SHEAR WALLS.
9. 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.
10. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS PRIOR TO CASTING FOUNDATIONS.
11. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, EDGE ANGLES, AND SLAB PENETRATIONS. PROVIDE DOCK LEVELER, ELEVATOR PITS, ESCALATOR PITS, SUMP PITS, M/E/P VAULTS, TRENCH AND AREA DRAINS, AND CONCRETE ENCASEMENTS/EMBEDMENTS/INSERTS/ETC. AS REQUIRED. REINFORCE PER TYPICAL DETAILS.
12. SEE ARCHITECTURAL/CIVIL DRAWINGS FOR SIDEWALKS, PAVING, AND SITE DETAILS AT BUILDING EXTERIOR UNLESS NOTED OTHERWISE.
13. [ ] 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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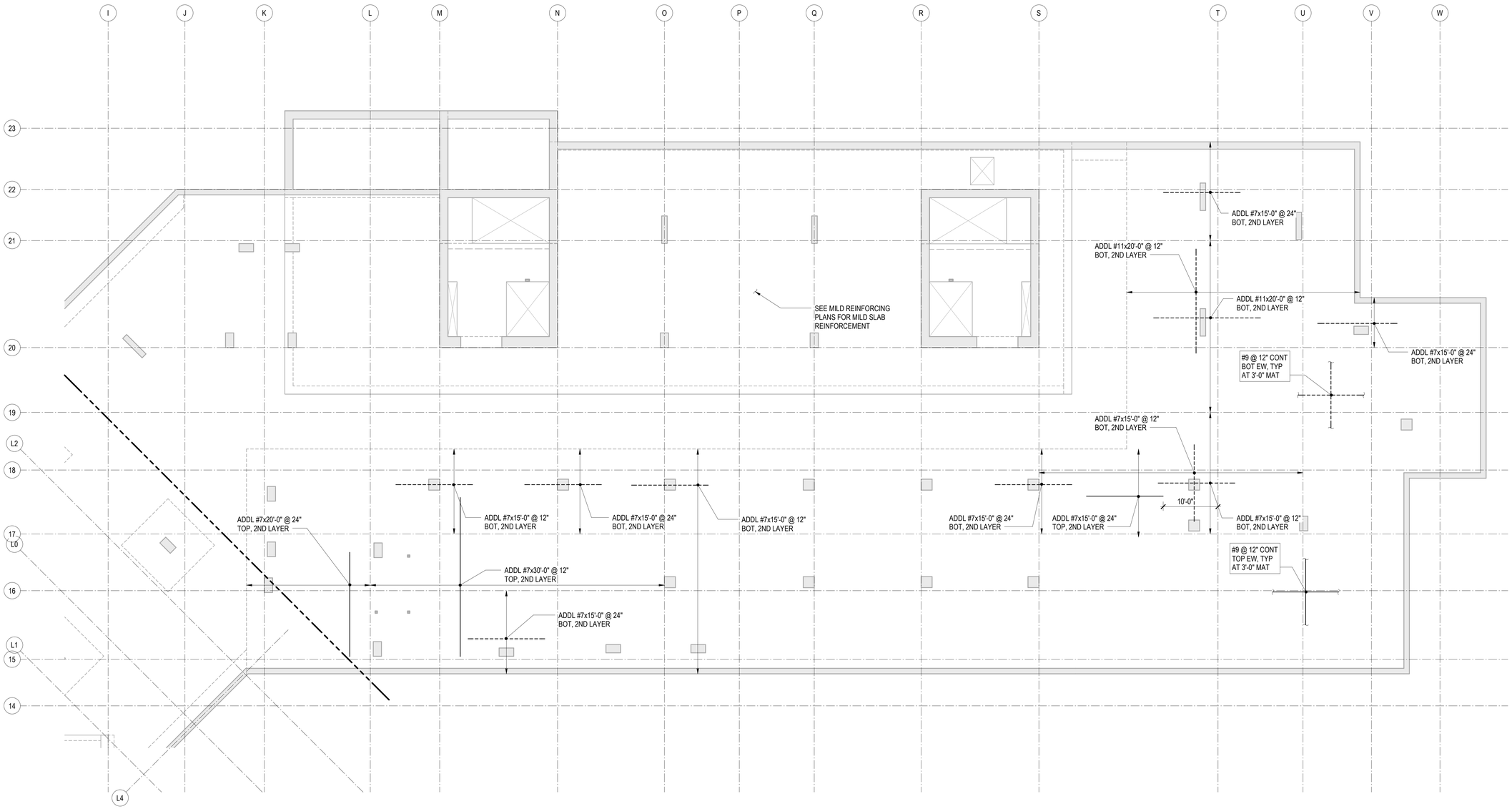
TOWER B LEVEL P2 FRAMING PLAN

S2.B.02

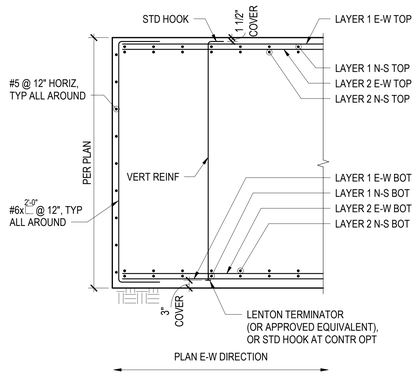


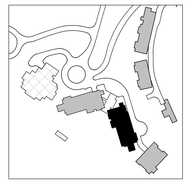
1 TOWER B - PARKING LEVEL 2 - MAT LONGITUDINAL REINFORCEMENT PLAN

1/8" = 1'-0"

MAT FOUNDATION REINFORCING NOTES:

1. SEE THE "GENERAL NOTES" FOR GENERAL REINFORCING REQUIREMENTS.
2. SEE MAT REINFORCEMENT PLACEMENT DIAGRAM FOR LAYER AND DIRECTION KEY FOR MAT REINFORCEMENT PLACEMENT.
3. HOOK OR PROVIDE TERMINATORS AT ALL #11 BARS OR SMALLER AND PROVIDE TERMINATORS AT ALL #14 AND #18 BARS INTERRUPTED AT PITS AND OPENINGS.
4. PLACE BARS ON LAYER 1, UNLESS NOTED OTHERWISE.
5. ALL TOP AND BOTTOM REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.
6. VERTICAL REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.





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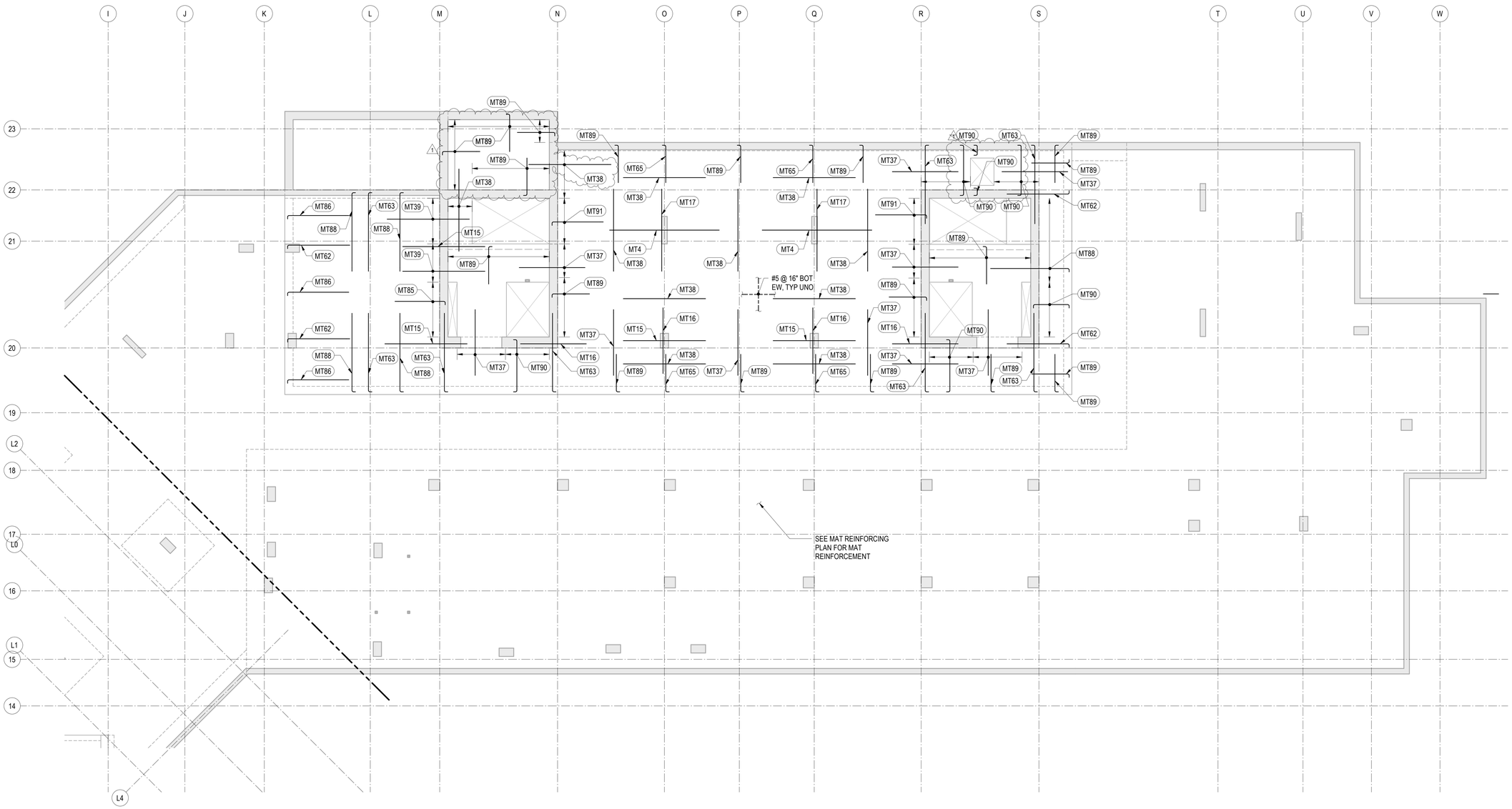
TOWER B LEVEL P2 MAT LONGITUDINAL REINFORCING PLAN

S2.B.02.B



1 TOWER B - PARKING LEVEL 2 - 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.

1

1

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

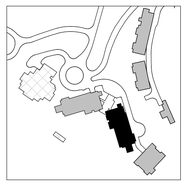
MARK	REINFORCING	REMARKS
MT50	(6) #5x24'-2" @ 12"	HOOK AT END
MT51	(11) #5x6'-8" @ 12"	HOOK AT END
MT52	(11) #5x11'-2" @ 12"	HOOK AT END
MT53	(7) #6x11'-0" @ 12"	HOOK AT END
MT54	(11) #5x14'-2" @ 12"	HOOK AT END
MT55	(16) #6x14'-0" @ 8"	HOOK AT END
MT56	(6) #5x14'-2" @ 12"	HOOK AT END
MT57	(6) #6x9'-0" @ 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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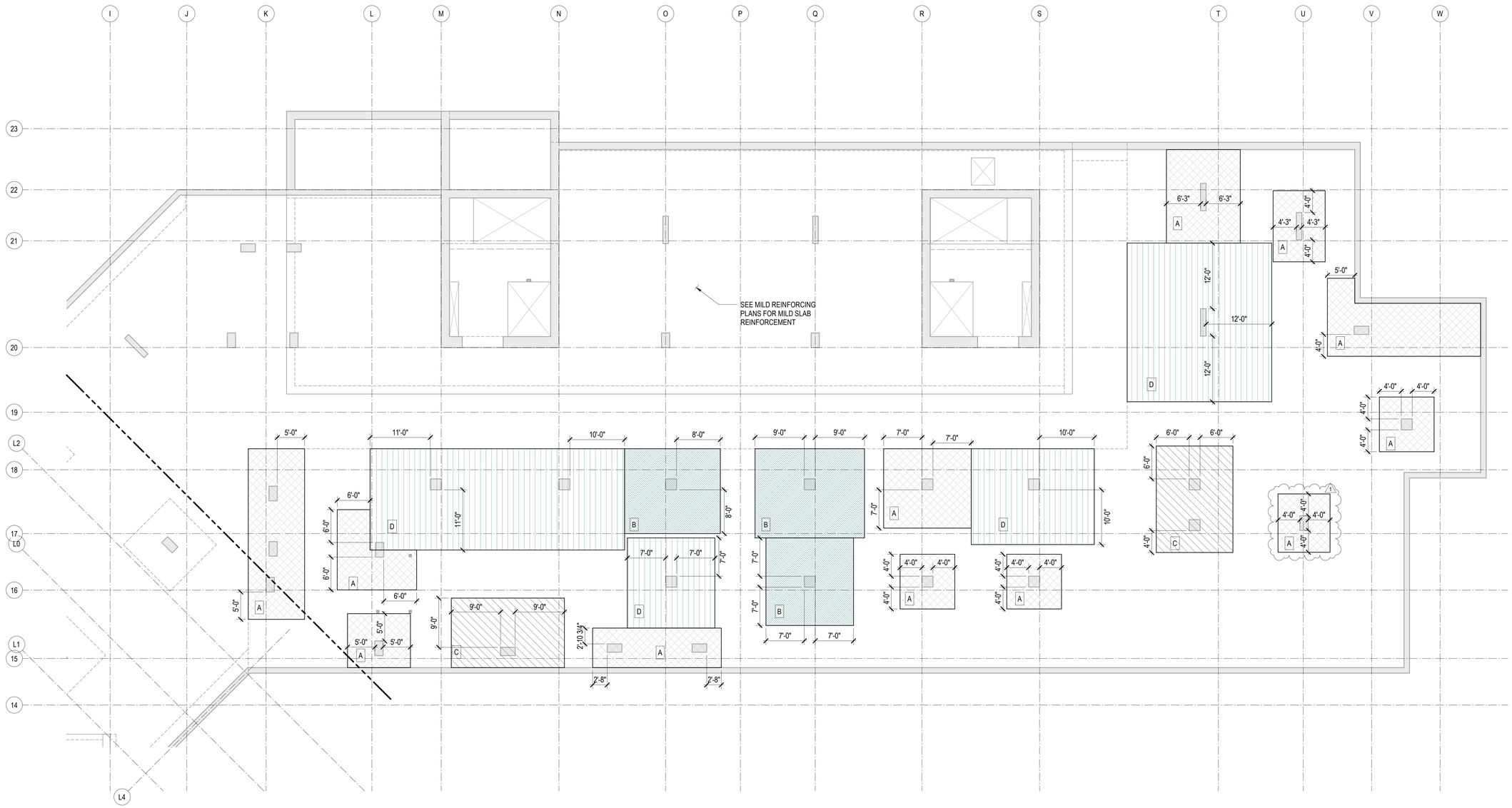
TOWER B LEVEL P2 REINFORCING PLAN

S2.B.02.R



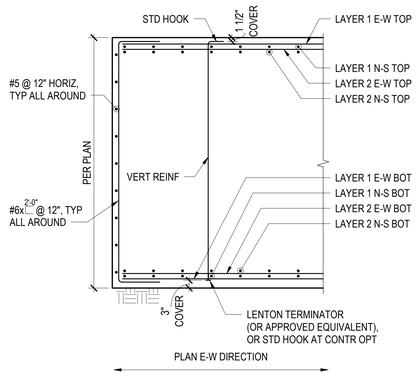
1 TOWER B - PARKING LEVEL 2 - MAT SHEAR REINFORCEMENT PLAN

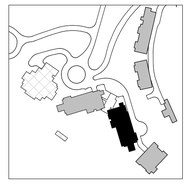
1/8" = 1'-0"

MAT FOUNDATION REINFORCING NOTES:

1. SEE THE "GENERAL NOTES" FOR GENERAL REINFORCING REQUIREMENTS.
2. SEE MAT REINFORCEMENT PLACEMENT DIAGRAM FOR LAYER AND DIRECTION KEY FOR MAT REINFORCEMENT PLACEMENT.
3. HOOK OR PROVIDE TERMINATORS AT ALL #11 BARS OR SMALLER AND PROVIDE TERMINATORS AT ALL #14 AND #18 BARS INTERRUPTED AT PITS AND OPENINGS.
4. PLACE BARS ON LAYER 1, UNLESS NOTED OTHERWISE.
5. ALL TOP AND BOTTOM REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.
6. VERTICAL REINFORCEMENT SHOWN ON MAT REINFORCEMENT PLANS SHALL BE GRADE 60 KSI.

FOUNDATION VERTICAL REINFORCING SCHEDULE		
TYPE	REINFORCING	REMARKS
A	#7 @ 24" EACH WAY	
B	#8 @ 24" EACH WAY	
C	#9 @ 24" EACH WAY	
D	#7 @ 24" EACH WAY	





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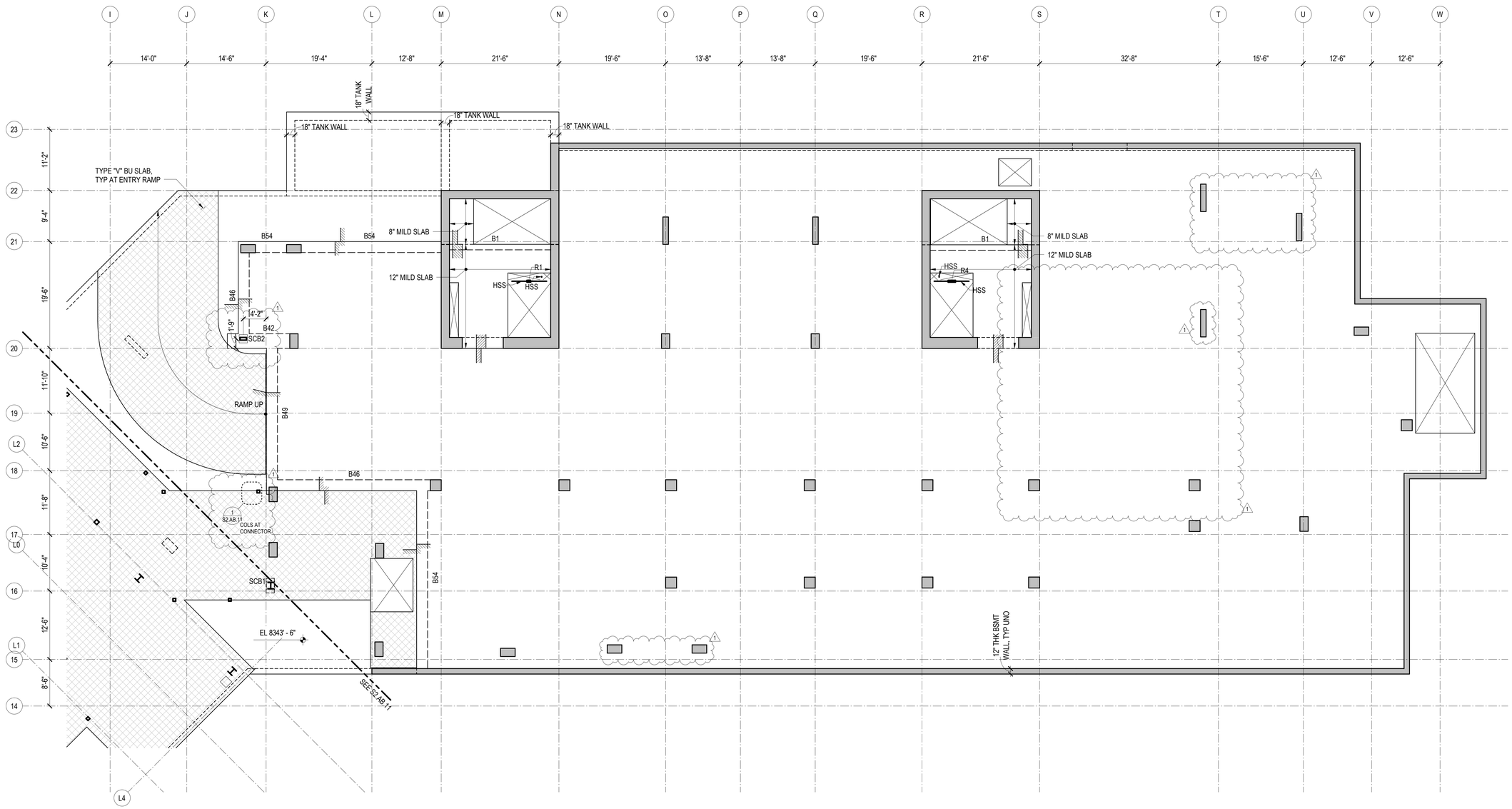
TOWER B LEVEL P2 MAT SHEAR REINFORCING PLAN

S2.B.02.V



1 TOWER B - PARKING LEVEL 1 FRAMING PLAN

1/8" = 1'-0"

REFERENCE DRAWINGS

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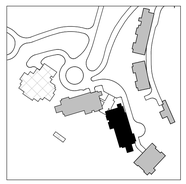
S5.XX CONCRETE SECTIONS AND DETAILS
S6.XX STEEL SECTIONS AND DETAILS

NOTES

1. REFERENCE FLOOR ELEVATION IS 8345' - 0". TOP OF STRUCTURAL CONCRETE SLAB IS , 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.



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principal architect
project manager
drawn by Author
checked by JB
job no. 20052
date 11/18/2022

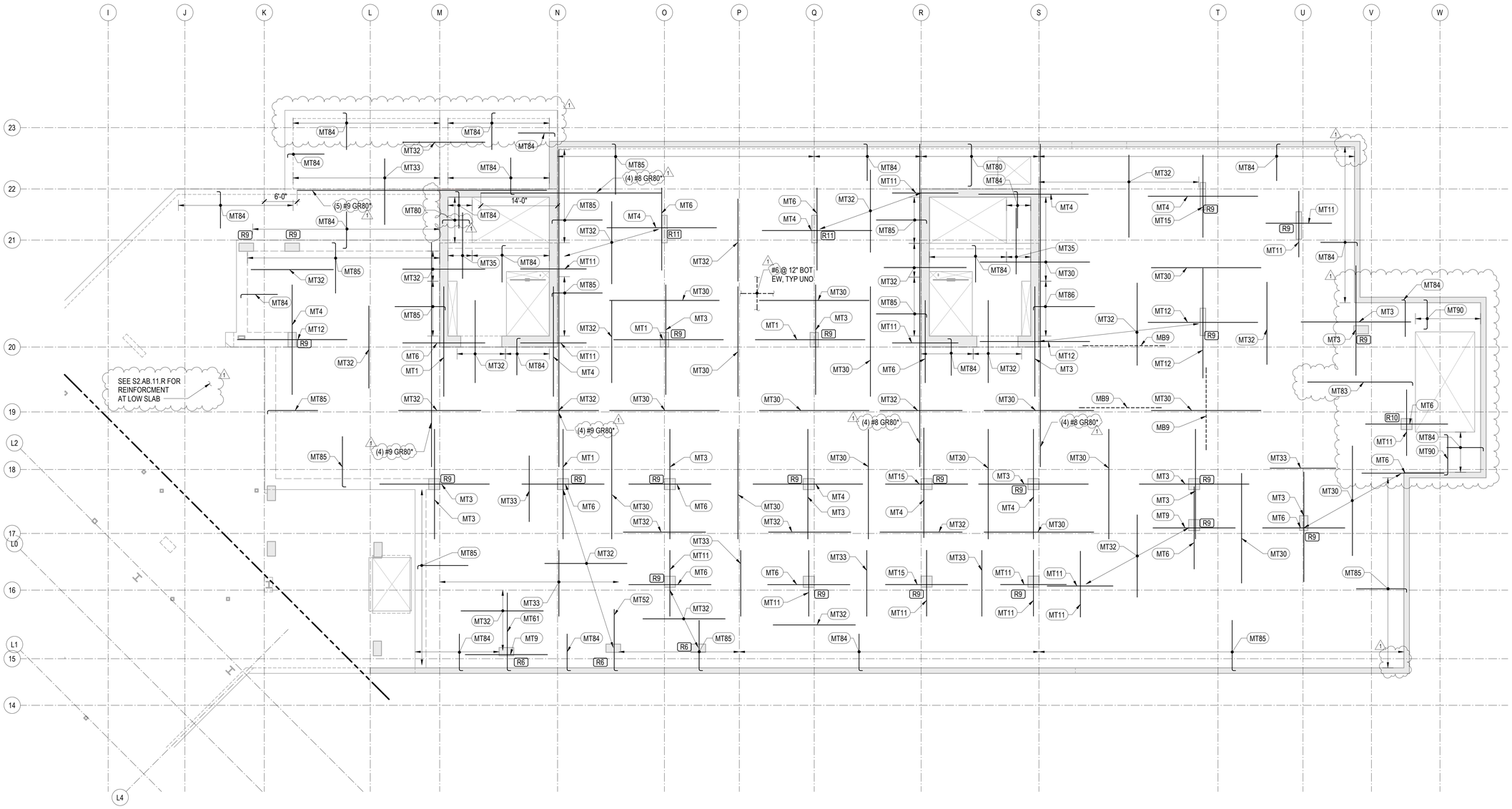
revisions:

no.	date	by
1	11/18/2022 IFC	

CONSTRUCTION DOCUMENTS
11/18/2022

TOWER B LEVEL P1 FRAMING PLAN

S2.B.03



1 TOWER B - PARKING 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. 1/1 * 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.

1/1

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

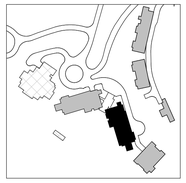
MARK	REINFORCING	REMARKS
MT50	(6) #5x24'-2" @ 12"	HOOK AT END
MT51	(11) #5x6'-8" @ 12"	HOOK AT END
MT52	(11) #5x11'-2" @ 12"	HOOK AT END
MT53	(7) #6x11'-0" @ 12"	HOOK AT END
MT54	(11) #5x14-2" @ 12"	HOOK AT END
MT55	(16) #6x14'-0" @ 8"	HOOK AT END
MT56	(6) #5x14'-2" @ 12"	HOOK AT END
MT57	(6) #6x9'-0" @ 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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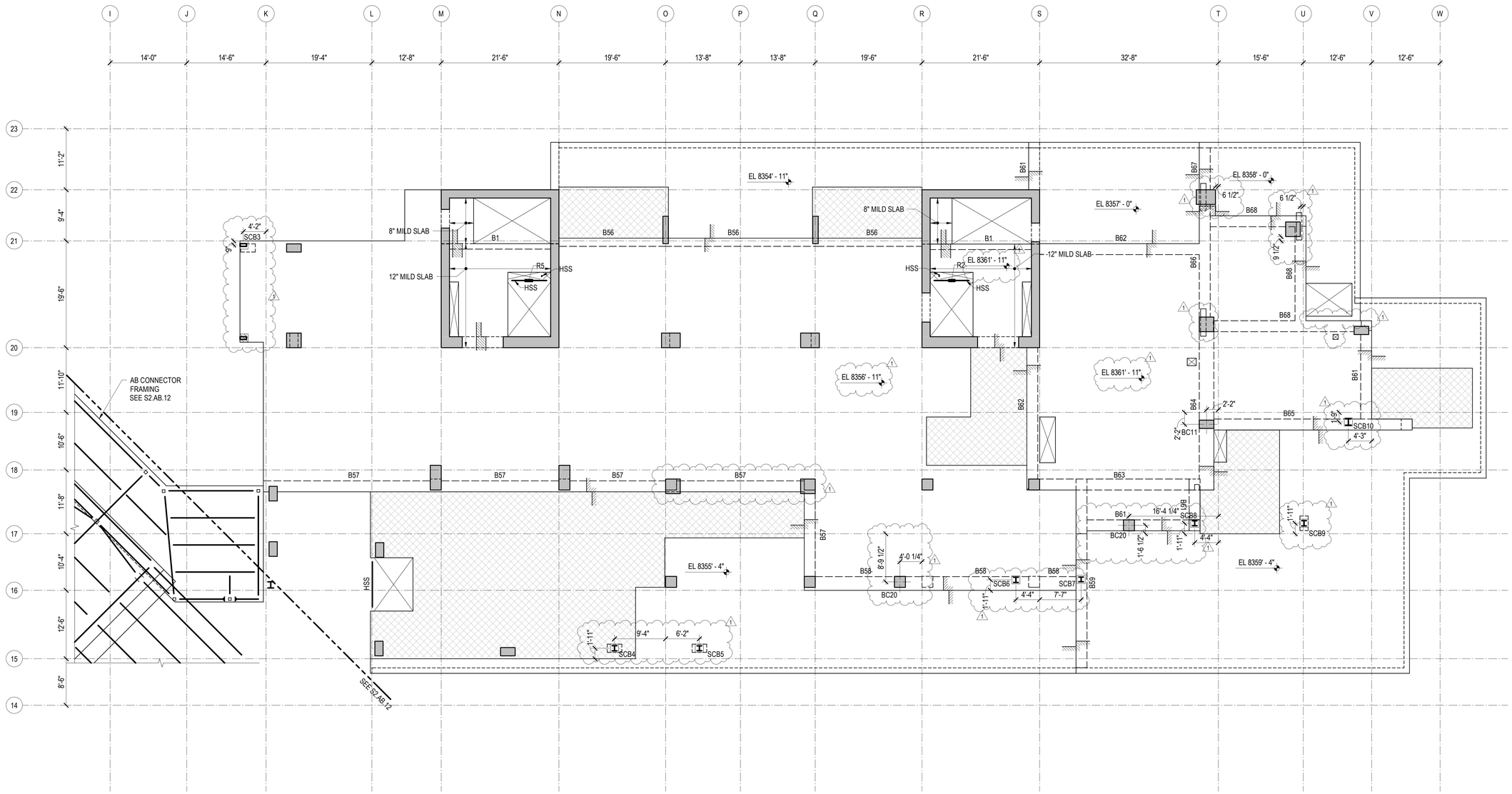
TOWER B LEVEL P1 REINFORCING PLAN

S2.B.03.R



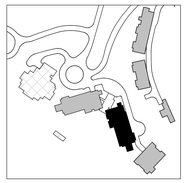
1 TOWER B - LEVEL 1 FRAMING PLAN
1/8" = 1'-0"

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. [ ] 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.



N

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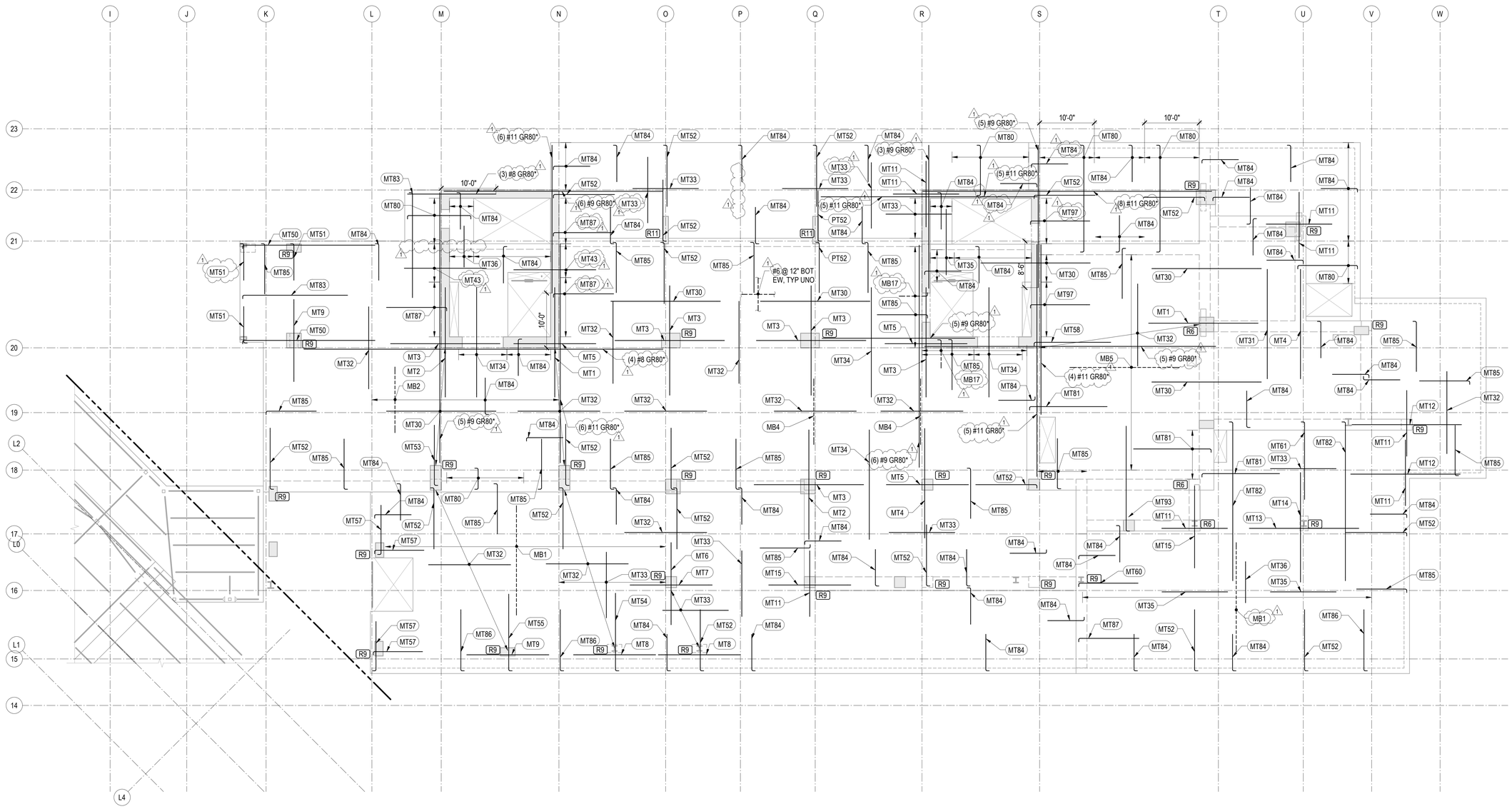
TOWER B LEVEL 1 FRAMING PLAN

S2.B.11



1 TOWER B - 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 / 1 * 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.

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

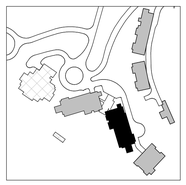
MARK	REINFORCING	REMARKS
MT50	(6) #5x24'-2" @ 12"	HOOK AT END
MT51	(11) #5x6'-8" @ 12"	HOOK AT END
MT52	(11) #5x11'-2" @ 12"	HOOK AT END
MT53	(7) #6x11'-0" @ 12"	HOOK AT END
MT54	(11) #5x14-2" @ 12"	HOOK AT END
MT55	(16) #6x14'-0" @ 8"	HOOK AT END
MT56	(6) #5x14'-2" @ 12"	HOOK AT END
MT57	(6) #6x9'-0" @ 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"
1 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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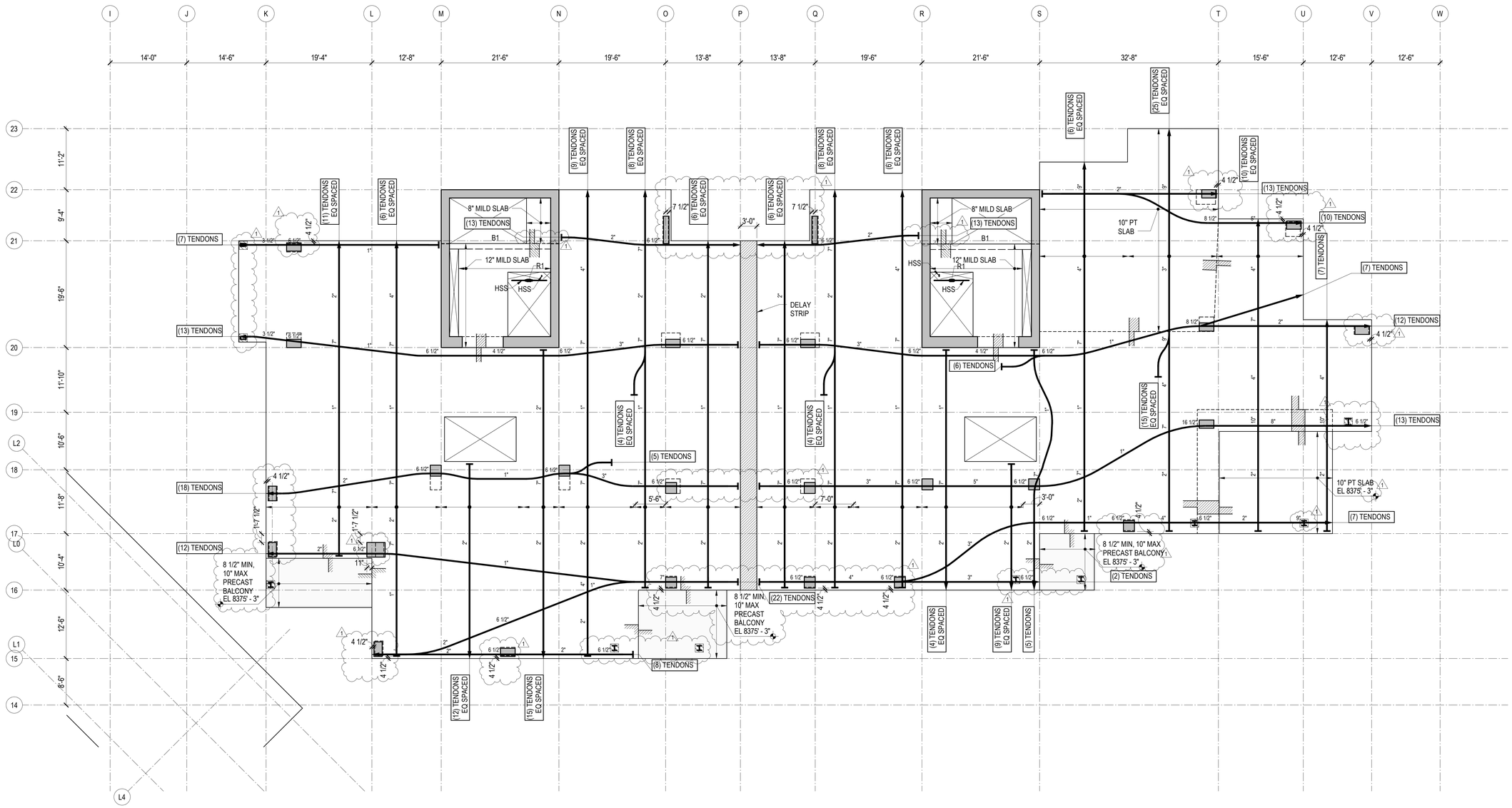
TOWER B LEVEL 1 REINFORCING PLAN

S2.B.11.R



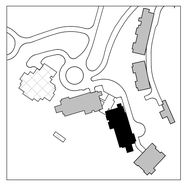
1 TOWER B - LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

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.



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project manager
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Author
checked by JB
job no. 20052
date 11/18/2022

revisions:

no.	date	by
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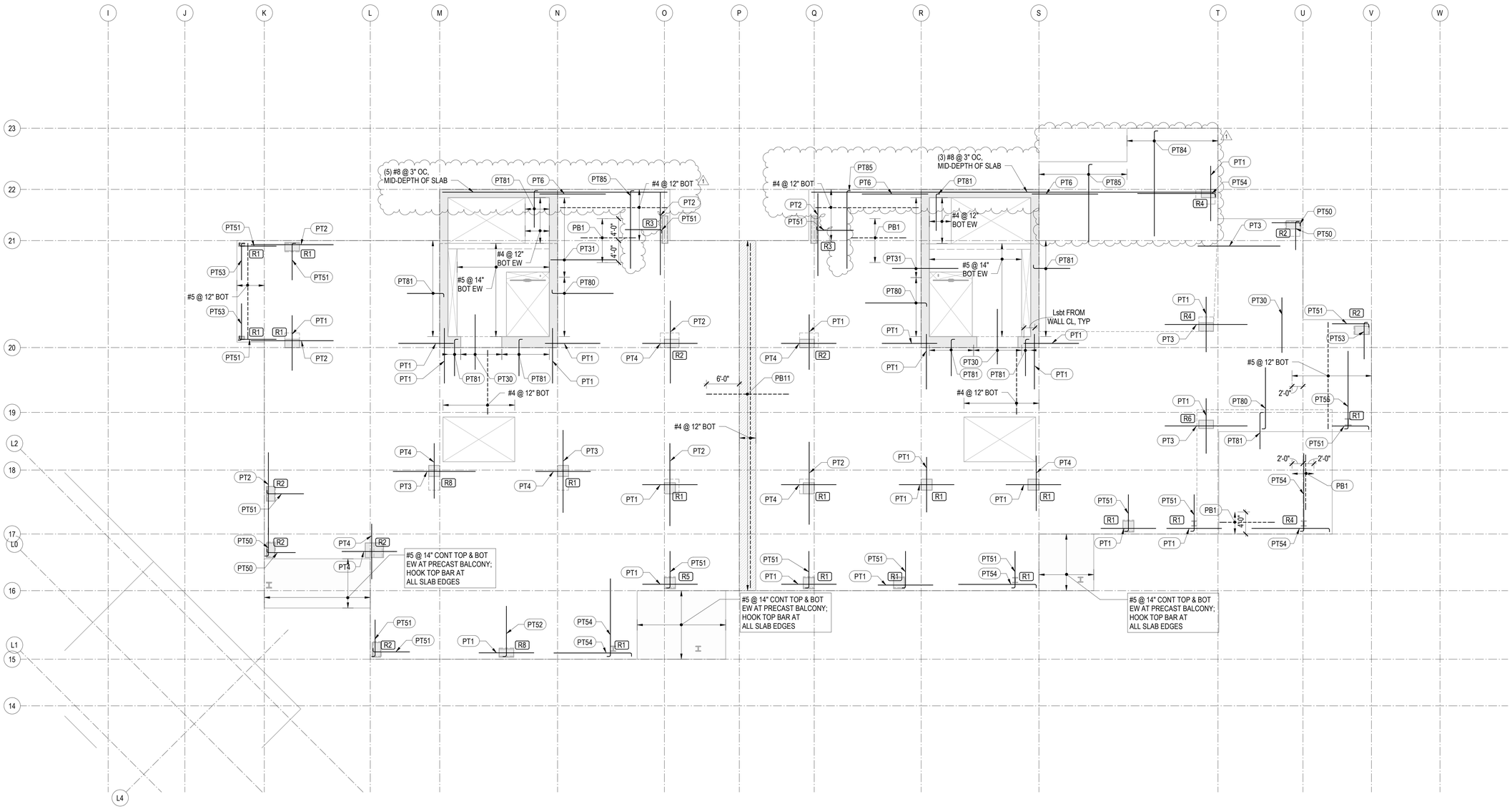
CONSTRUCTION DOCUMENTS
11/18/2022

TOWER B LEVEL 2 FRAMING PLAN

S2.B.12



1 TOWER B - 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.

PT TOP REINFORCEMENT SCHEDULE

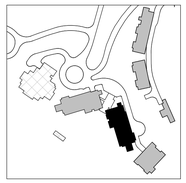
MARK	REINFORCING	REMARKS
PT1	(6) #5x10'-0"	
PT2	(6) #5x15'-0"	
PT3	(8) #5x15'-0"	
PT4	(12) #5x10'-0"	
PT5	(10) #5x20'-0"	
PT6	(18) #6x12'-0" @ 5"	STAGGER 3'-0"
PT7	(14) #5x10'-0"	
PT8	(16) #6x20'-0"	
PT9	(14) #6x15'-0"	
PT10	(12) #5x20'-0"	
PT11	(12) #5x15'-0"	
PT30	#5x10'-0"@ 15"	
PT31	#5x12'-0"@ 12"	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" @ 12"	HOOK AT END
PT54	(6) #5x14'-2"	HOOK AT END
PT55	(8) #5x14'-2" @ 12"	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



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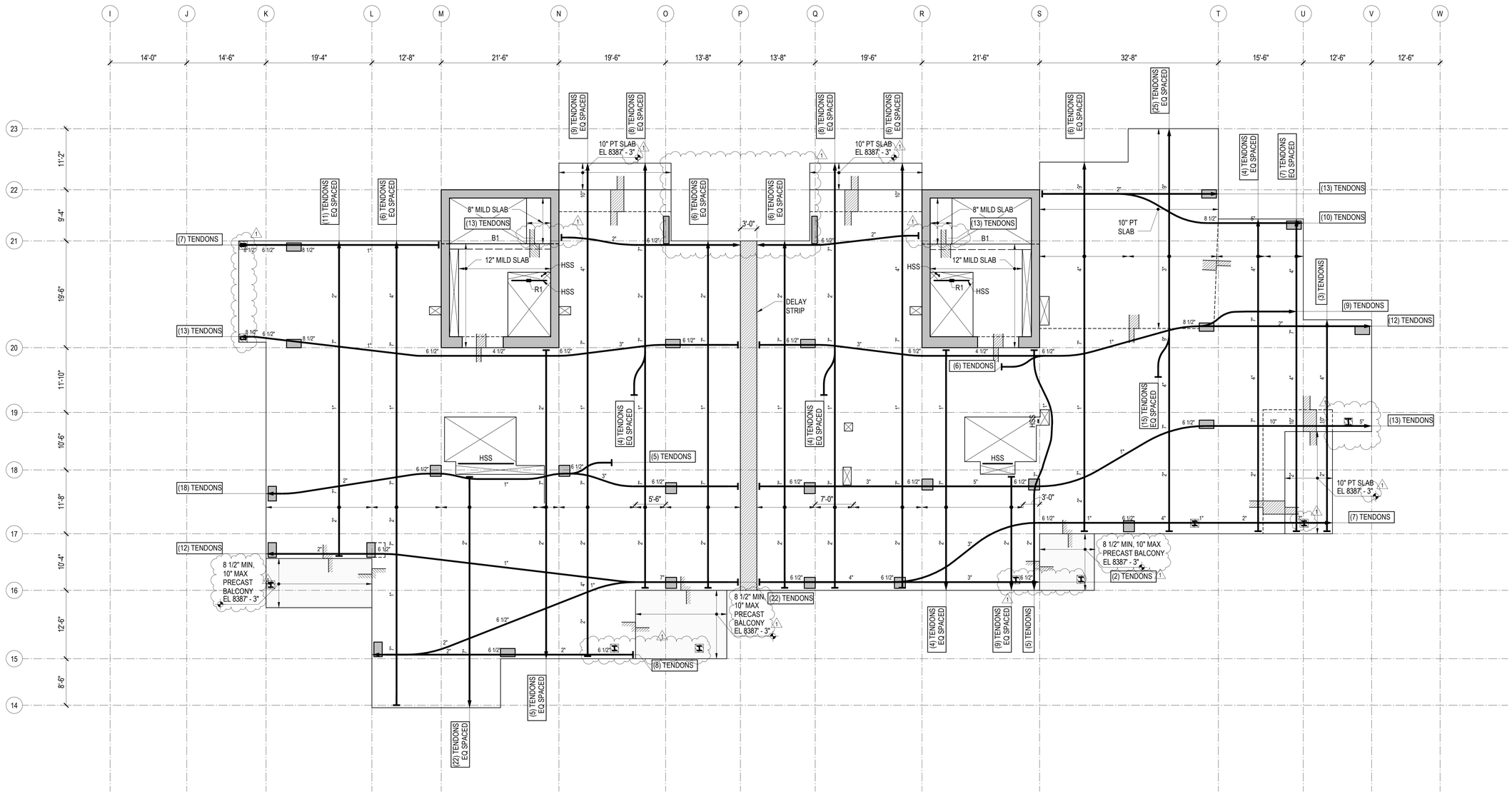
TOWER B LEVEL 2 REINFORCING PLAN

S2.B.12.R



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.
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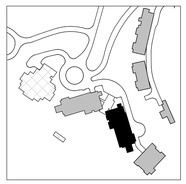

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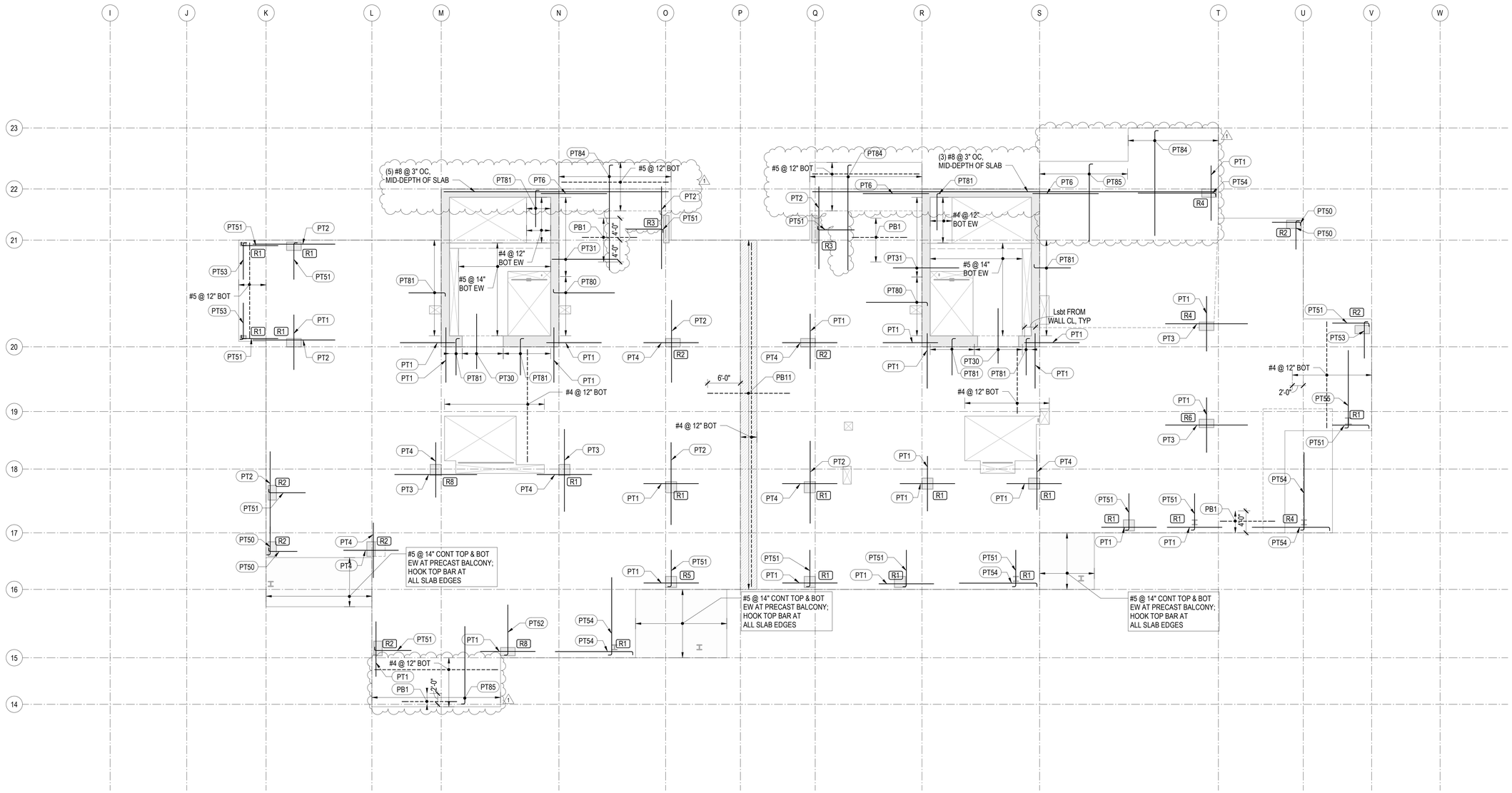
TOWER B LEVEL 3 FRAMING PLAN

S2.B.13



1 TOWER B - LEVEL 3 - REINFORCEMENT PLAN

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REINFORCING NOTES:

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PT2	(6) #5x15'-0"	
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PT4	(12) #5x10'-0"	
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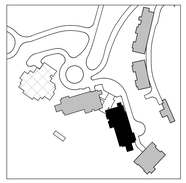

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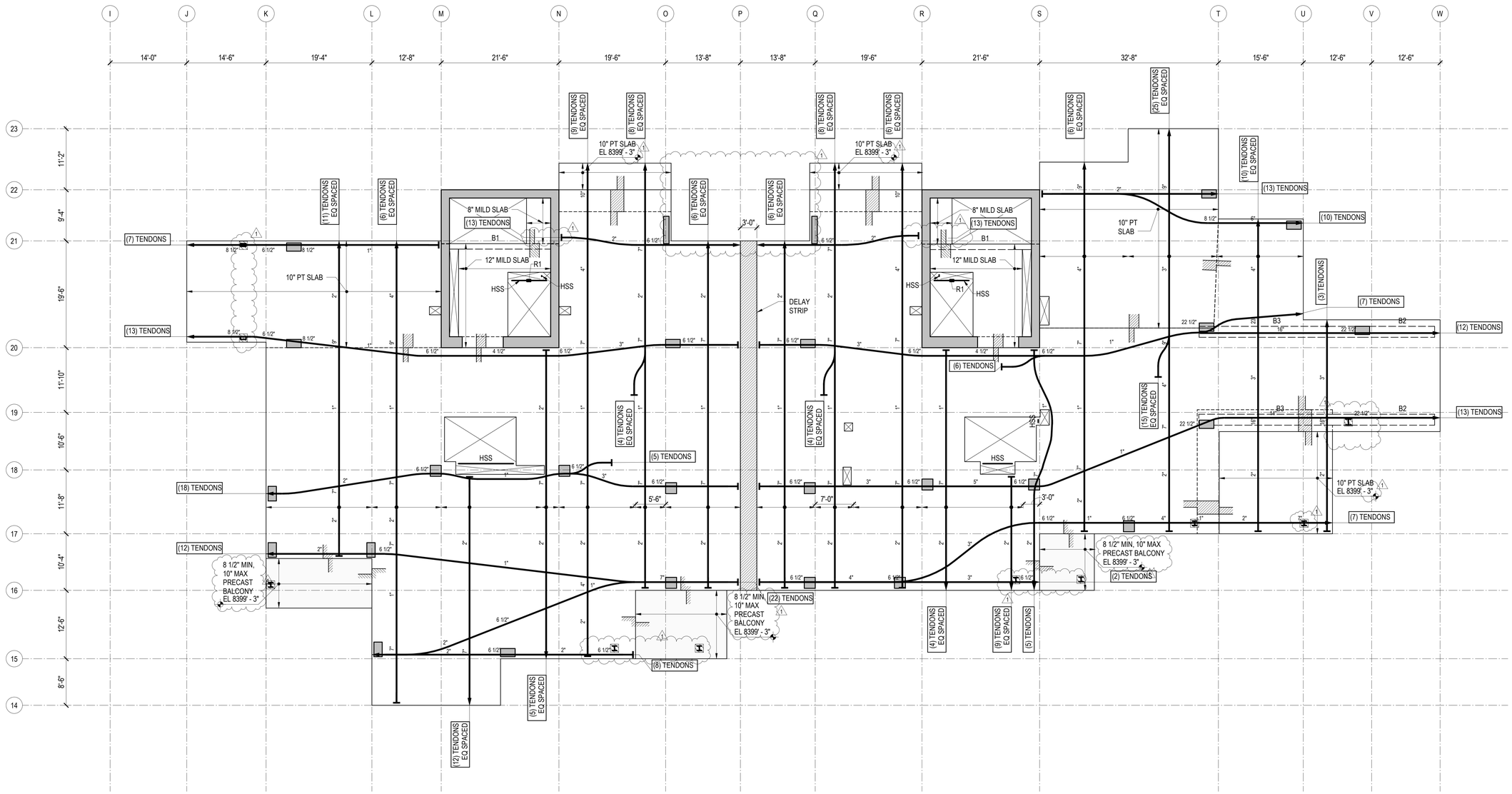
TOWER B LEVEL 3 REINFORCING PLAN

S2.B.13.R



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

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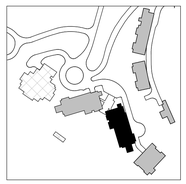

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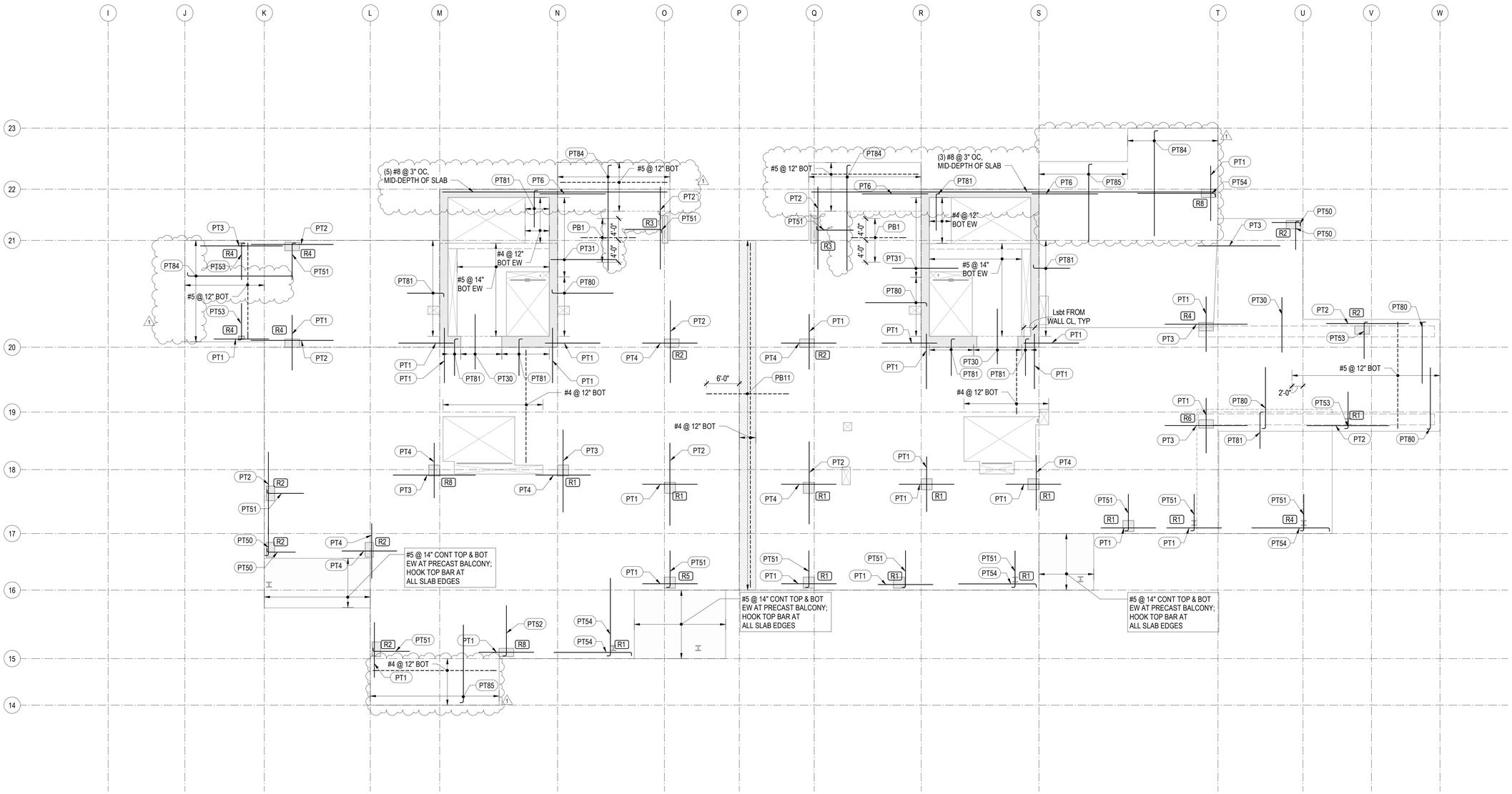
TOWER B LEVEL 4 FRAMING PLAN

S2.B.14



1 TOWER B - LEVEL 4 - REINFORCEMENT PLAN

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PT TOP REINFORCEMENT SCHEDULE

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PT1	(6) #5x10'-0"	
PT2	(6) #5x15'-0"	
PT3	(8) #5x15'-0"	
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PT TOP REINFORCEMENT SCHEDULE

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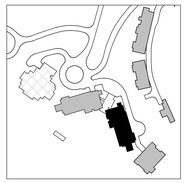

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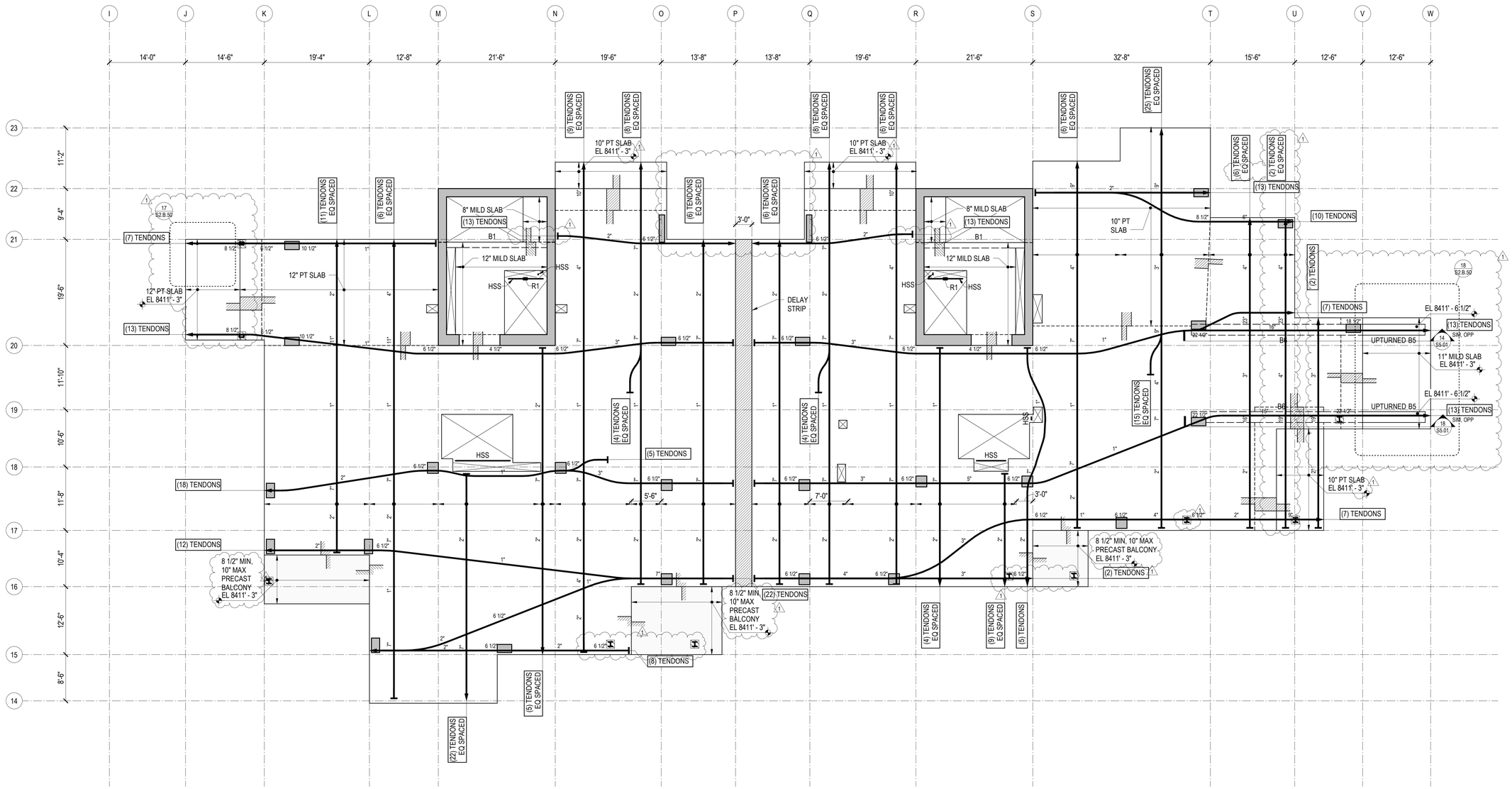
TOWER B LEVEL 4 REINFORCING PLAN

S2.B.14.R



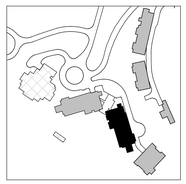
1 TOWER B - LEVEL 5 FRAMING PLAN
1/8" = 1'-0"

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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DEER VALLEY, UTAH

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project manager
drawn by
Author
checked by JB
job no. 20052
date 11/18/2022

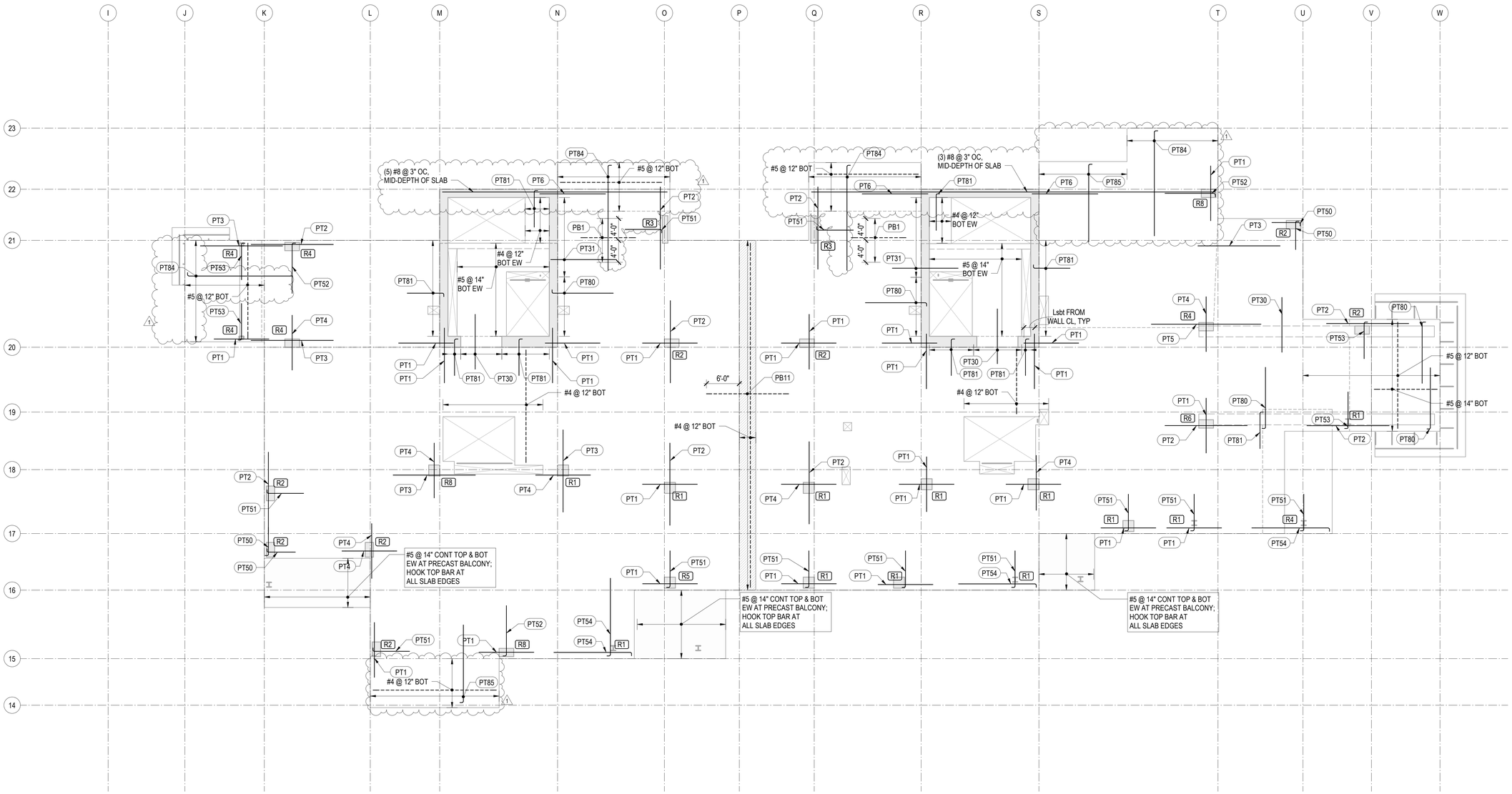
revisions:

no.	date	by
1	11/18/2022 IFC	

CONSTRUCTION DOCUMENTS
11/18/2022

TOWER B LEVEL 5 FRAMING PLAN

S2.B.15



1 TOWER B - LEVEL 5 - 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.

PT TOP REINFORCEMENT SCHEDULE

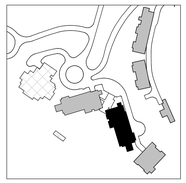
MARK	REINFORCING	REMARKS
PT1	(6) #5x10'-0"	
PT2	(6) #5x15'-0"	
PT3	(8) #5x15'-0"	
PT4	(12) #5x10'-0"	
PT5	(10) #5x20'-0"	
PT6	(18) #6x12'-0" @ 5"	STAGGER 3'-0"
PT7	(14) #5x10'-0"	
PT8	(16) #6x20'-0"	
PT9	(14) #6x15'-0"	
PT10	(12) #5x20'-0"	
PT11	(12) #5x15'-0"	
PT30	#5x10'-0"@ 15"	
PT31	#5x12'-0"@ 12"	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" @ 12"	HOOK AT END
PT54	(6) #5x14'-2"	HOOK AT END
PT55	(8) #5x14'-2" @ 12"	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



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revisions:

no.	date	by
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CONSTRUCTION DOCUMENTS

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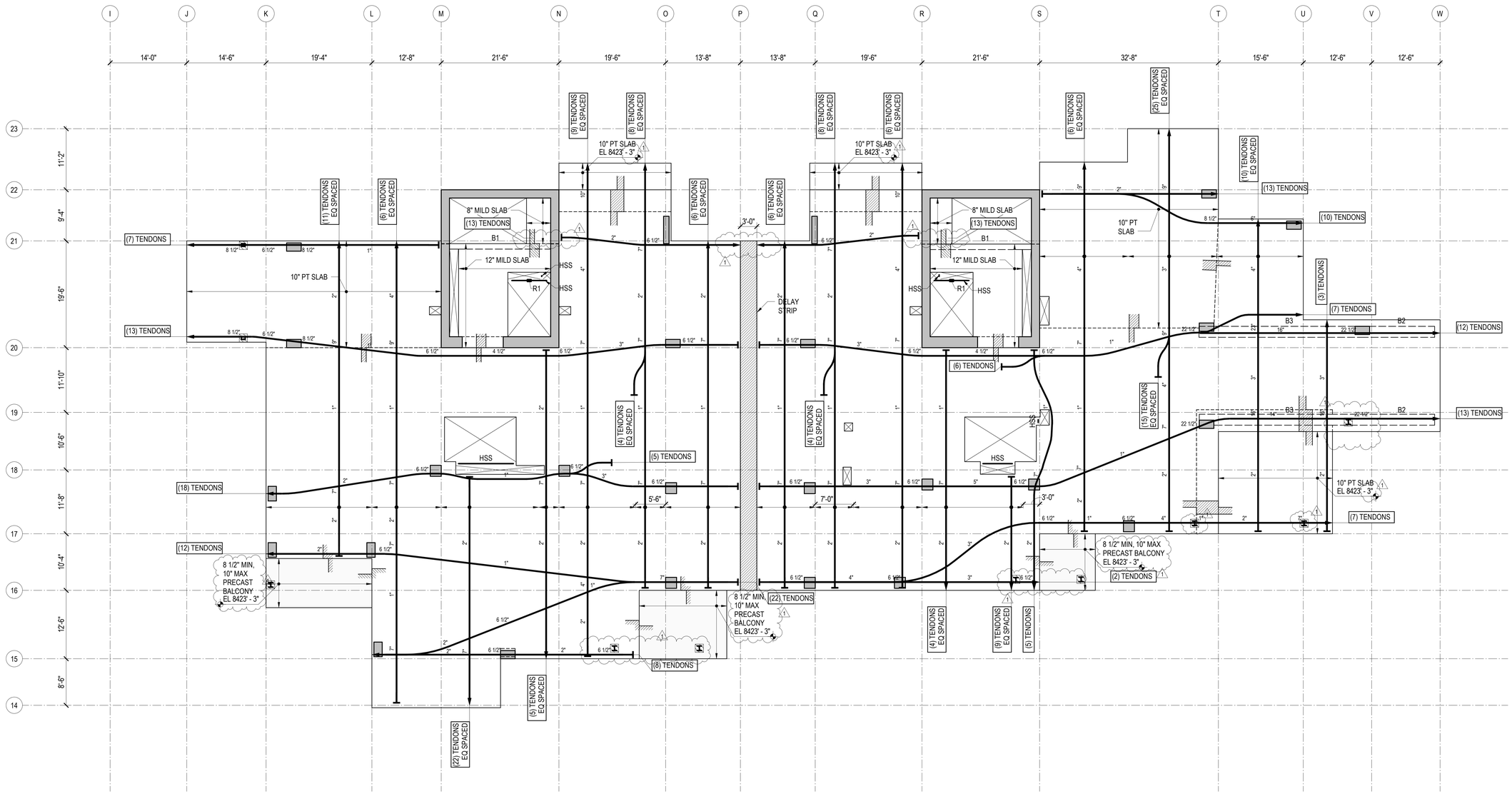
TOWER B LEVEL 5 REINFORCING PLAN

S2.B.15.R



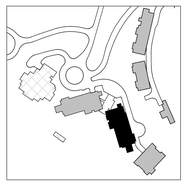
1 TOWER B - LEVEL 6 FRAMING PLAN
1/8" = 1'-0"

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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project manager
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revisions:

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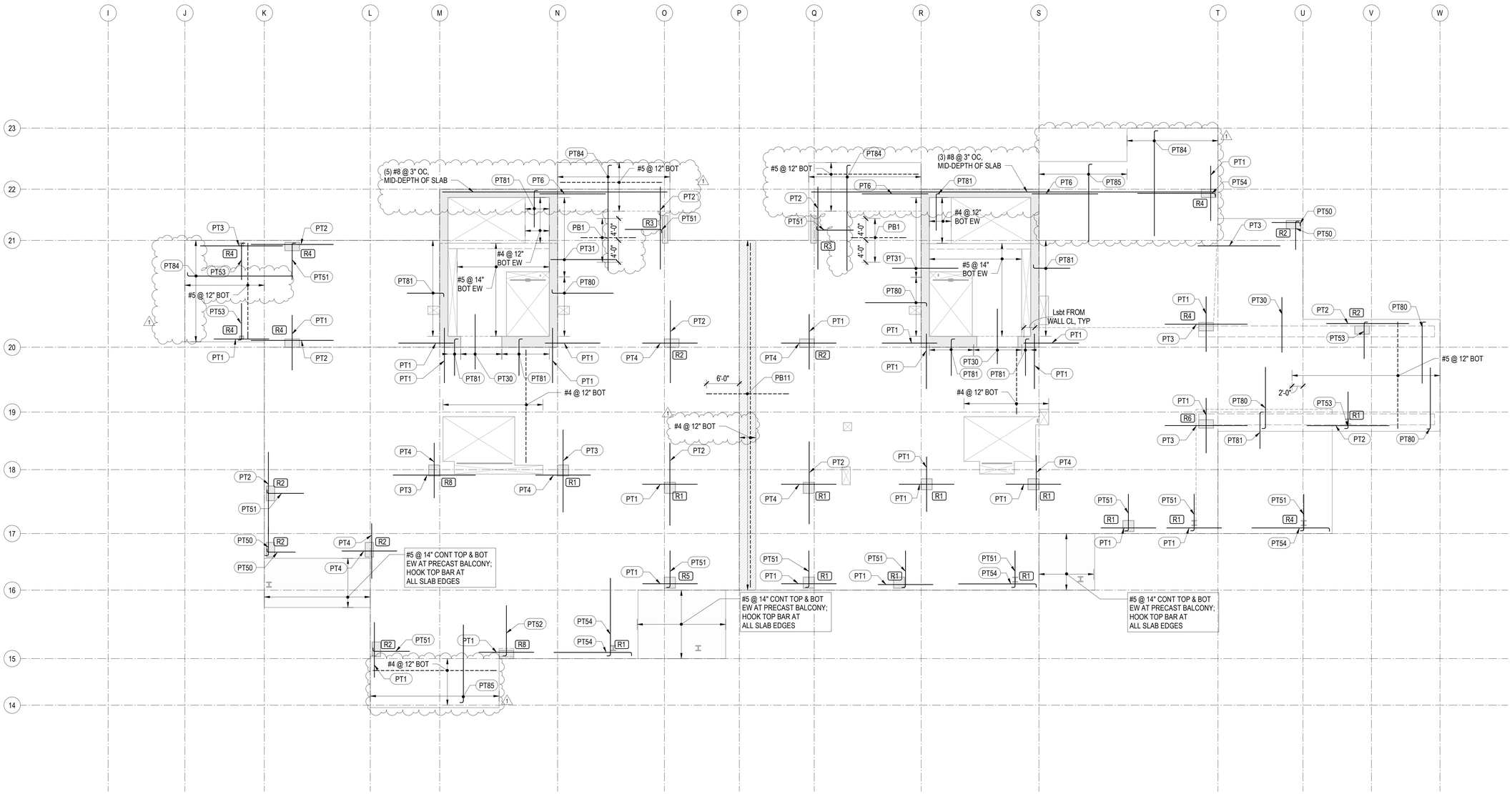
CONSTRUCTION DOCUMENTS

11/18/2022

TOWER B LEVEL 6 FRAMING PLAN

S2.B.16



1 TOWER B - LEVEL 6 - 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.

PT TOP REINFORCEMENT SCHEDULE

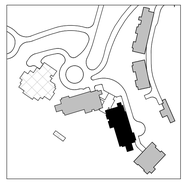
MARK	REINFORCING	REMARKS
PT1	(6) #5x10'-0"	
PT2	(6) #5x15'-0"	
PT3	(8) #5x15'-0"	
PT4	(12) #5x10'-0"	
PT5	(10) #5x20'-0"	
PT6	(18) #6x12'-0" @ 5"	STAGGER 3'-0"
PT7	(14) #5x10'-0"	
PT8	(16) #6x20'-0"	
PT9	(14) #6x15'-0"	
PT10	(12) #5x20'-0"	
PT11	(12) #5x15'-0"	
PT30	#5x10'-0"@ 15"	
PT31	#5x12'-0"@ 12"	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" @ 12"	HOOK AT END
PT54	(6) #5x14'-2"	HOOK AT END
PT55	(8) #5x14'-2" @ 12"	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



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CONSTRUCTION DOCUMENTS

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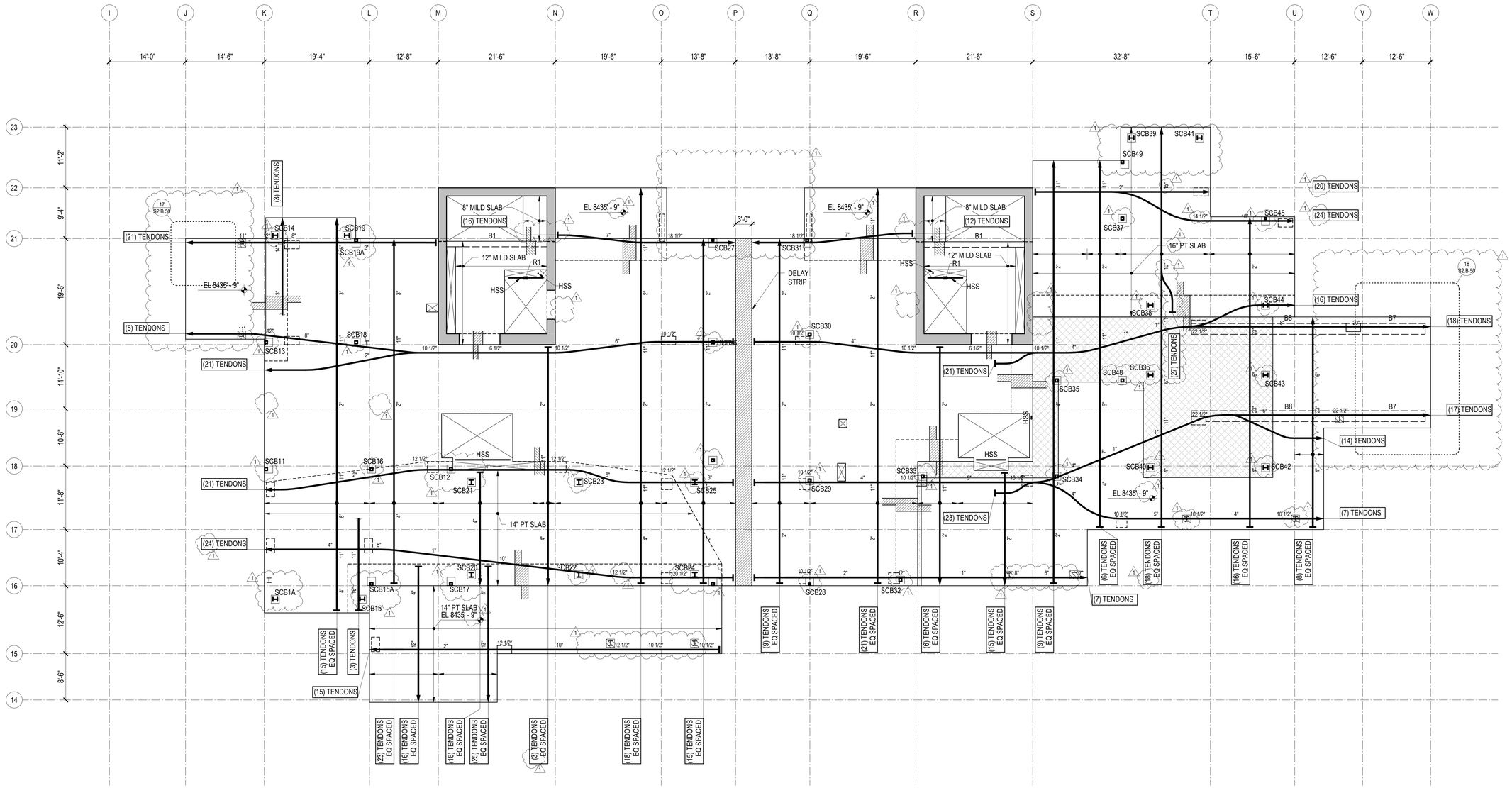
TOWER B LEVEL 6 REINFORCING PLAN

S2.B.16.R



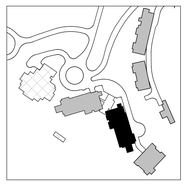
1 TOWER B - LEVEL 7 FRAMING PLAN
1/8" = 1'-0"

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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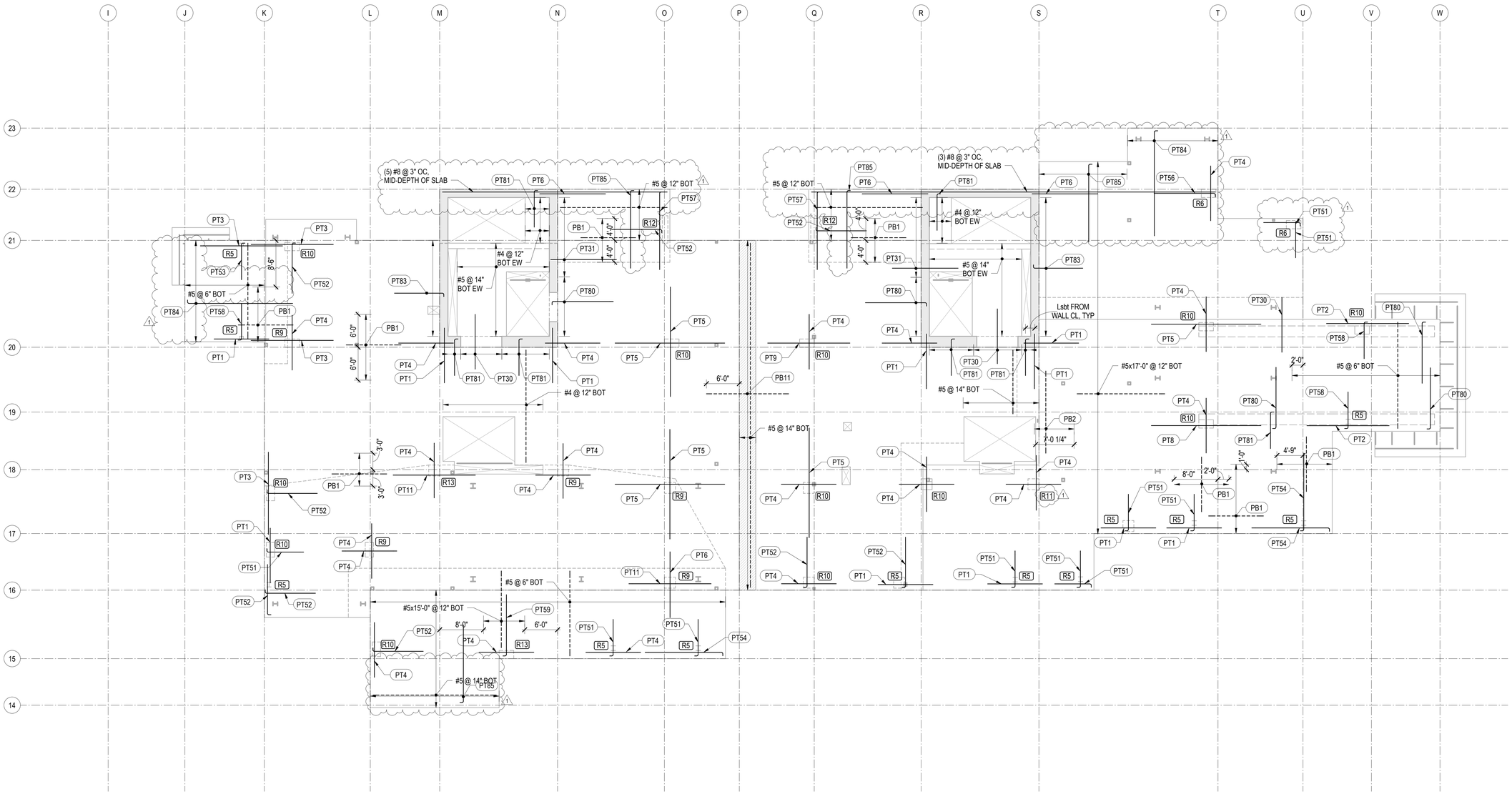
TOWER B LEVEL 7 FRAMING PLAN

S2.B.17



1 TOWER B - LEVEL 7 - 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.

PT TOP REINFORCEMENT SCHEDULE

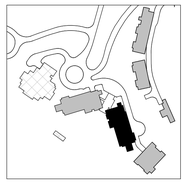
MARK	REINFORCING	REMARKS
PT1	(6) #5x10'-0"	
PT2	(6) #5x15'-0"	
PT3	(8) #5x15'-0"	
PT4	(12) #5x10'-0"	
PT5	(10) #5x20'-0"	
PT6	(18) #6x12'-0" @ 5"	STAGGER 3'-0"
PT7	(14) #5x10'-0"	
PT8	(16) #6x20'-0"	
PT9	(14) #6x15'-0"	
PT10	(12) #5x20'-0"	
PT11	(12) #5x15'-0"	
PT30	#5x10'-0"@ 15"	
PT31	#5x12'-0"@ 12"	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" @ 12"	HOOK AT END
PT54	(6) #5x14'-2"	HOOK AT END
PT55	(8) #5x14'-2" @ 12"	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



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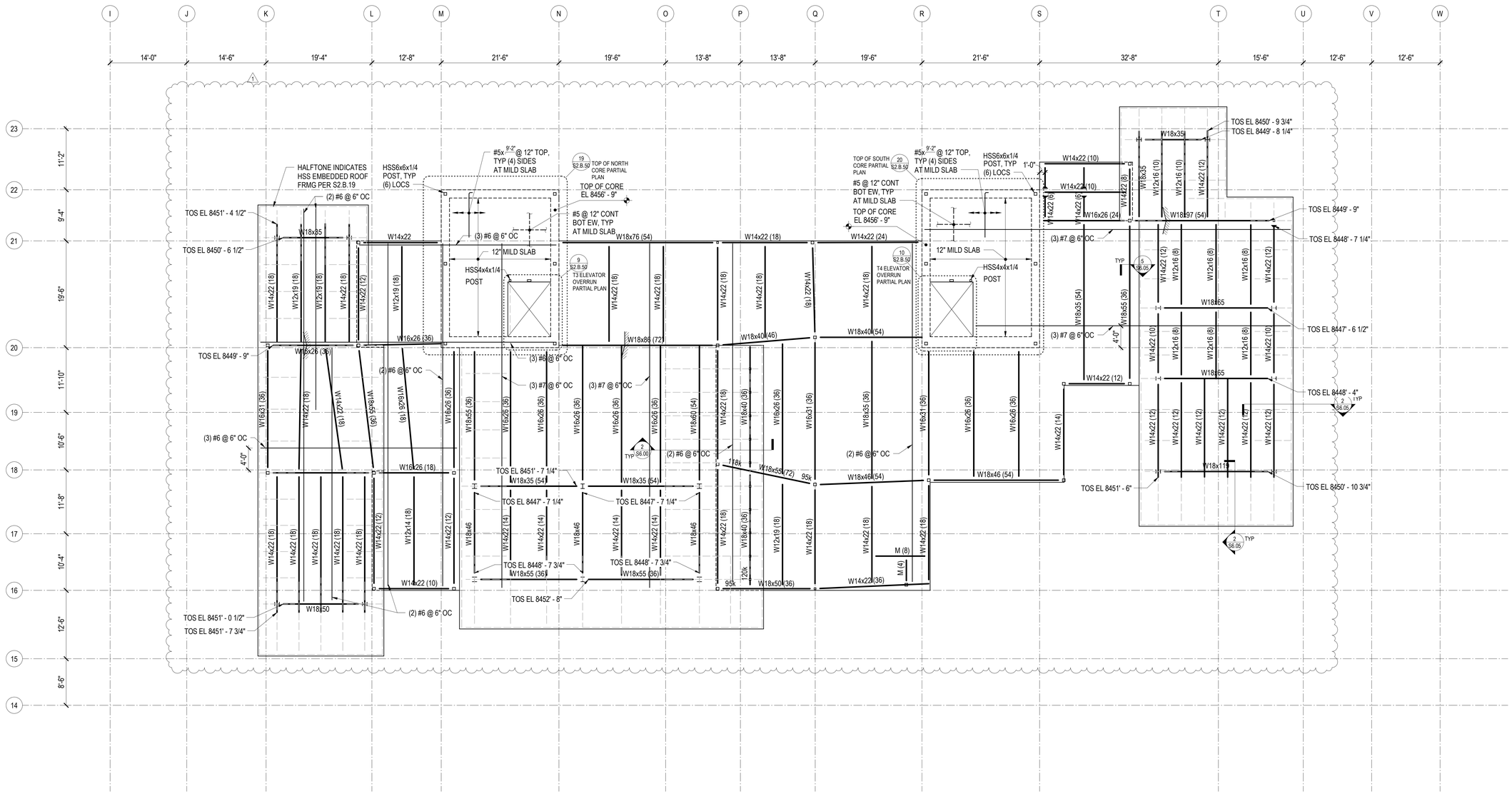
TOWER B LEVEL 7 REINFORCING PLAN

S2.B.17.R



1 TOWER B - ROOF FRAMING PLAN

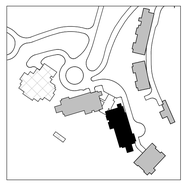
1/8" = 1'-0"

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 8448' - 9". TOP OF SLAB ON STEEL DECK IS AT THE REFERENCE ELEVATION UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR DRAINAGE SLOPES NOT SHOWN.
2. STRUCTURAL SLAB IS 3-INCHES OF LIGHTWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK UNLESS NOTED OTHERWISE. REINFORCE WITH WWR 6x6-W2.9xW2.9. SEE TYPICAL SLAB ON STEEL DECK DETAILS FOR REINFORCING AND OTHER INFORMATION. REINFORCING SHOWN ON THE PLAN AND IN THE TYPICAL DETAILS IS IN ADDITION TO THIS REINFORCING.
3. REFERENCE TOP OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK UNLESS NOTED OTHERWISE.
4. STEEL SLOPES UNIFORMLY BETWEEN GIVEN TOP OF STEEL ELEVATIONS. WHERE BEAMS OR BEAMS AND COLUMNS INTERSECT, MATCH TOP OF STEEL UNLESS NOTED OTHERWISE.
5. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING SLABS AND WALLS.
6. SEE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND OTHER DISCIPLINES DRAWINGS FOR OPENING SIZES AND LOCATIONS NOT SHOWN ON PLAN. SEE 'TYPICAL OPENINGS AND EMBEDMENTS IN CONCRETE,' 'TYPICAL ROOF DECK OPENINGS,' AND 'TYPICAL COMPOSITE DECK OPENINGS' DETAILS FOR OPENING PLACEMENT CRITERIA AND REINFORCING OR FRAMING REQUIREMENTS. NOTIFY STRUCTURAL ENGINEER OF ANY OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS FOR WHICH THE TYPICAL DETAILS DO NOT APPLY.
7. REFERENCE ALL CONSTRUCTION DOCUMENTS FOR SIZE, EXTENT, AND LOCATION OF CONCRETE CURBS, HOUSEKEEPING PADS, CMU WALLS, PLANTER WALLS, BOLLARDS, EDGE ANGLES, AND SLAB PENETRATIONS. REINFORCE PER TYPICAL DETAILS.



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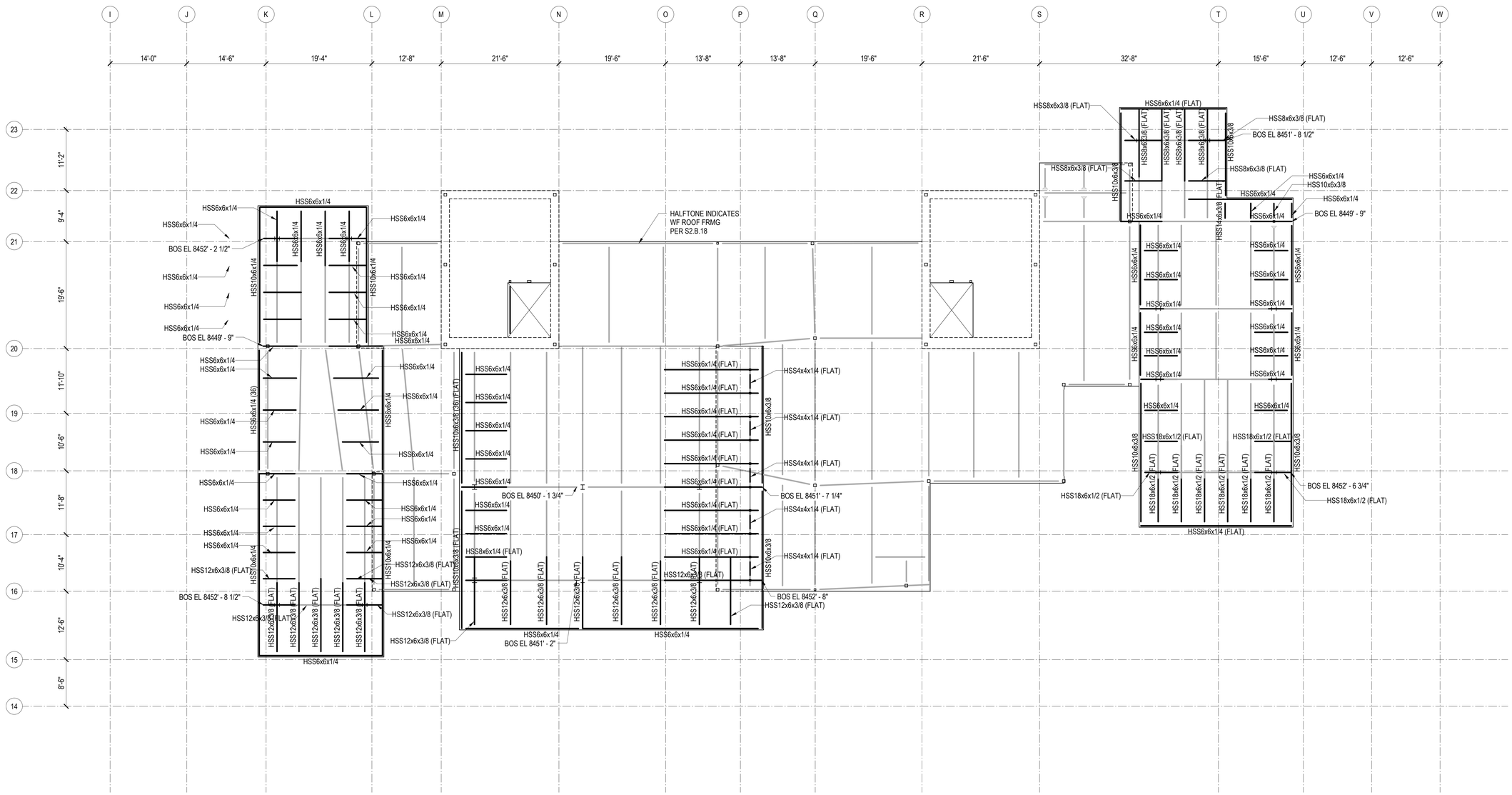
TOWER B ROOF FRAMING PLAN

S2.B.18



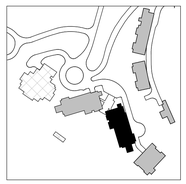
1 TOWER B - ROOF HSS EMBEDDED FRAMING PLAN
1/8" = 1'-0"

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. REFER TO CORRESPONDING ROOF FRAMING PLAN FOR ADDITIONAL SHEET NOTES.
2. FRAMING PLAN INDICATES HSS FRAMING THAT IS EMBEDDED WITHIN THE SLAB ON STEEL DECK THICKNESS.
3. BOTTOM OF STEEL IS AT THE BOTTOM OF SLAB ON STEEL DECK.



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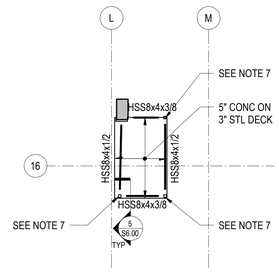
TOWER B EMBEDDED HSS ROOF FRAMING PLAN

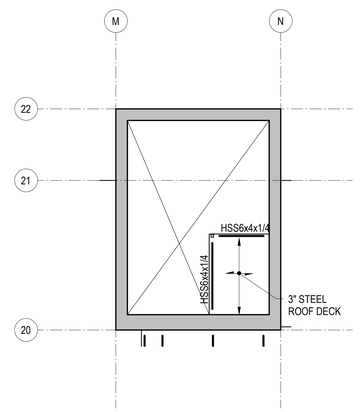
S2.B.19



NOTES:

1. REFERENCE FLOOR ELEVATION IS 8340'-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 5 INCHES OF NORMALWEIGHT CONCRETE ON 3-INCH COMPOSITE STEEL DECK UNLESS NOTED OTHERWISE. REINFORCE PER SECTION ON PLAN. 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. COORDINATE LOCATION OF ALL EMBEDS WITH MECHANICAL, ELECTRICAL, PLUMBING, AND EXTERIOR WALL SYSTEMS PRIOR TO CASTING SLABS AND WALLS.
5. 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.
6. 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.
7. WHERE NOTE APPLIES, HSS POST CONTINUES TO UNDERSIDE OF LEVEL P1 SLAB. PROVIDE "TYPICAL HSS POST TOP SLIP CONNECTION" AT UNDERSIDE OF SLAB ABOVE.

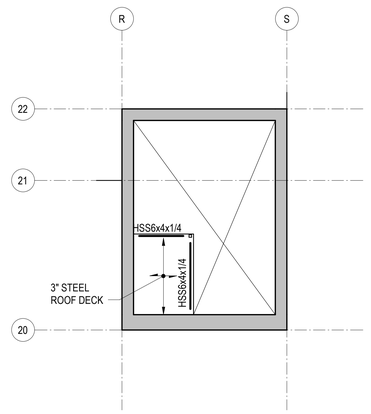
8 PARTIAL PLAN - LOBBY SHUTTLE ELEVATOR PIT
1/8" = 1'-0"



NOTES:

1. REFERENCE FLOOR ELEVATION IS 8452'-5". REFERENCE TOP OF STRUCTURAL STEEL IS 3-INCHES BELOW THE REFERENCE FLOOR ELEVATION, TYPICAL UNLESS NOTED OTHERWISE.
2. ROOF DECK IS MINIMUM 3-INCH x 20 GAUGE STEEL DECKING. DECKING IS TO BE INSTALLED IN MINIMUM THREE SPAN CONDITIONS WHERE POSSIBLE.

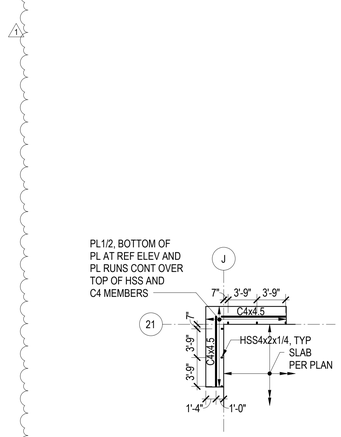
9 PARTIAL PLAN - NORTH CORE ELEV OVERRUN
1/8" = 1'-0"

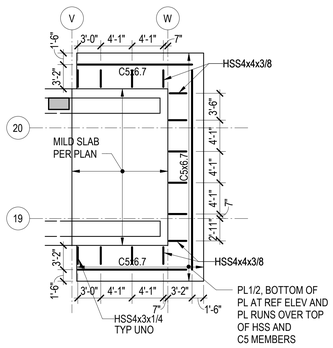


NOTES:

1. REFERENCE FLOOR ELEVATION IS 8452'-5". REFERENCE TOP OF STRUCTURAL STEEL IS 3-INCHES BELOW THE REFERENCE FLOOR ELEVATION, TYPICAL UNLESS NOTED OTHERWISE.
2. ROOF DECK IS MINIMUM 3-INCH x 20 GAUGE STEEL DECKING. DECKING IS TO BE INSTALLED IN MINIMUM THREE SPAN CONDITIONS WHERE POSSIBLE.

10 PARTIAL PLAN - SOUTH CORE ELEV OVERRUN
1/8" = 1'-0"





NOTES:

1. REFERENCE FLOOR ELEVATIONS ARE:

   TOWER B LEVEL 5: 8412'-0"
   TOWER B LEVEL 7: 8436'-6"

   TOP OF STEEL IS AT THE REFERENCE FLOOR ELEVATION UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.

17 PARTIAL PLAN - TOWER B NOTH SUNSHADES
1/8" = 1'-0"

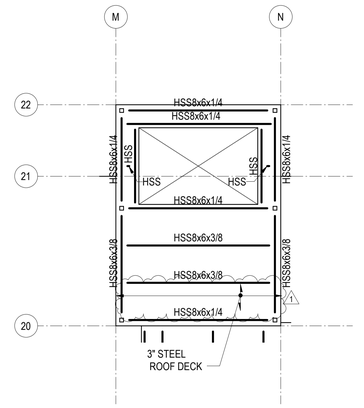
NOTES:

1. REFERENCE FLOOR ELEVATIONS ARE:

   TOWER B LEVEL 5: 8412'-0"
   TOWER B LEVEL 7: 8436'-6"

   TOP OF STEEL IS AT THE REFERENCE FLOOR ELEVATION UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION.

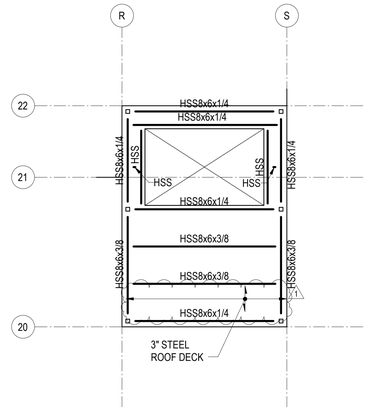
18 PARTIAL PLAN - TOWER B SUNSHADES
1/8" = 1'-0"



NOTES:

1. REFERENCE FLOOR ELEVATION IS 8458'-9". REFERENCE TOP OF STRUCTURAL STEEL IS 3-INCHES BELOW THE REFERENCE FLOOR ELEVATION, TYPICAL UNLESS NOTED OTHERWISE.
2. ROOF DECK IS MINIMUM 3-INCH x 20 GAUGE STEEL DECKING. DECKING IS TO BE INSTALLED IN MINIMUM THREE SPAN CONDITIONS WHERE POSSIBLE.

19 PARTIAL PLAN - TOP OF NORTH CORE
1/8" = 1'-0"



NOTES:

1. REFERENCE FLOOR ELEVATION IS 8458'-9". REFERENCE TOP OF STRUCTURAL STEEL IS 3-INCHES BELOW THE REFERENCE FLOOR ELEVATION, TYPICAL UNLESS NOTED OTHERWISE.
2. ROOF DECK IS MINIMUM 3-INCH x 20 GAUGE STEEL DECKING. DECKING IS TO BE INSTALLED IN MINIMUM THREE SPAN CONDITIONS WHERE POSSIBLE.

20 PARTIAL PLAN - TOP OF SOUTH CORE
1/8" = 1'-0"

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TOWER B PARTIAL PLANS

S2.B.50