

TOWER A - LEVEL 1 - REINFORCEMENT PLAN

1/8" = 1'-0"

REINFORCING NOTES:

E-W TOP BARS

- 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
- 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"	

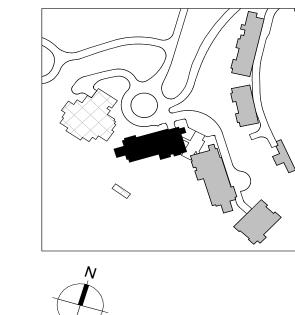
MILD	TOP REINFORCEMEN	IT SCHEDULE
MARK	REINFORCING	REMARKS
MT17	(11) #4x15'-0" @ 12"	STAGGER 3'-0"
MT18	(16) #8x20'-0" @ 8"	STAGGER 5'-0"
MT30	#5x20'-0" @ 12"	STAGGER 3'-0"
MT31	#5x20'-0" @ 10"	STAGGER 2'-0"
MT32	#5x15'-0" @ 12"	STAGGER 2'-0"
MT33	#5x12'-0" @ 12"	STAGGER 2'-0"
MT34	#5x20'-0" @ 12"	STAGGER 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"

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

REINFORCING	REMARKS	MARK	REINFORCING	REMAR
(6) #5x24'-2" @ 12"	HOOK AT END	MT65	(11) #4x6'-10" @ 12"	HOOK AT EN
(11) #5x6'-8" @ 12"	HOOK AT END	MT66	(16) #7x18'-10" @ 8"	HOOK AT EN
(11) #5x11'-2" @ 12"	HOOK AT END	MT80	#5 @ 12"	HOOK BOTH
(7) #6x11'-0" @ 12"	HOOK AT END	MT81	#5x14'-2" @ 12"	HOOK AT EN
(11) #5x14-2" @ 12"	HOOK AT END	MT82	#6x29'-0" @ 12"	HOOK AT EN
(16) #6x14'-0" @ 8"	HOOK AT END	MT83	#5x19'-2" @ 12"	HOOK AT EN
(6) #5x14'-2" @ 12"	HOOK AT END	MT84	#5x6'-8" @ 12"	HOOK AT EN
(6) #6x9'-0" @ 12"	HOOK AT END	MT85	#5x9'-2" @ 12"	HOOK AT EN
(11) #6x14'-0" @ 12"	HOOK AT END	MT86	#5x11'-2" @ 12"	HOOK AT EN
(16) #7x10'-10" @ 8"	HOOK AT END	MT87	#6x11'-0" @ 12"	HOOK AT EN
(11) #5x14'-2" @ 12"	HOOK AT END	MT88	#4x14'-4" @ 12"	HOOK AT EN
(11) #4x11'-4" @ 12"	HOOK AT END	MT89	#4x6'-10" @ 12"	HOOK AT EN
(11) #4x14'-4" @ 12"	HOOK AT END	MT90	#4 @ 12"	HOOK BOTH
(11) #4x19'-4" @ 12"	HOOK AT END	MT91	#4x9'-4" @ 12"	HOOK AT EN
		MT92	#6x14'-0" @ 12"	HOOK AT EN
		MT93	#5x19'-2" @ 10"	HOOK AT EN
		MT97	#7x10'-10" @ 12"	HOOK AT EN

MILD TOP 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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principal architect___ checked by job no. 20052 date 05/17/2024 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

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