LOAD MAP KEY:

A 1

NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK

LETTER INDICATES LIVE LOAD MARK

INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

MARK	USE	LIVE LOAD (PSF)
A	RESIDENTIAL	40(R)
B	MECHANICAL / ELECTRICAL	125
C	PARKING	40(R) (20%)
D	LIGHT STORAGE	125
E	ASSEMBLY / CORRIDORS	100
F	BALCONY	60(R)
G	ROOF	20(R)
I	GROUND LOBBY	100
J	OFFICE	60 + 15 PARTITION LOAD
K	AMENITY	100
N	GROUND FLOOR TERRACE	100

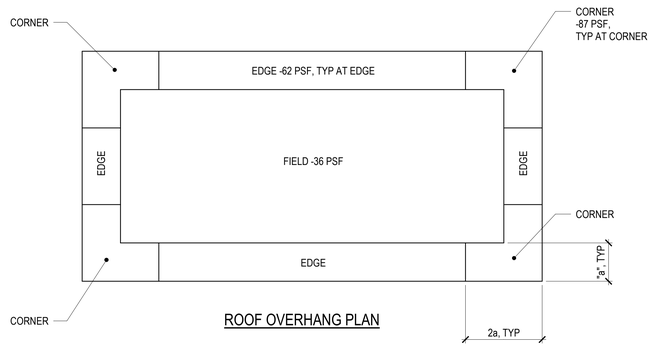
SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

MARK	TYPE	TOTAL SDL (PSF)	CEILING/MEP LOAD (PSF)	FLOOR FINISH LOAD (PSF)	PARTITION LOAD (PSF)	SPECIAL LOAD (PSF)	SPECIAL LOAD DESCRIPTION
1	RESIDENTIAL	30	5	5	20		
2	MECHANICAL / ELECTRICAL	15	10		5		
3	PARKING	5	5				
4	LIGHT STORAGE	15	10		5		
5	CORRIDORS	15	10		5		
6	BALCONY	75	10	15		50	INSULATION + TOPPING SLAB
7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

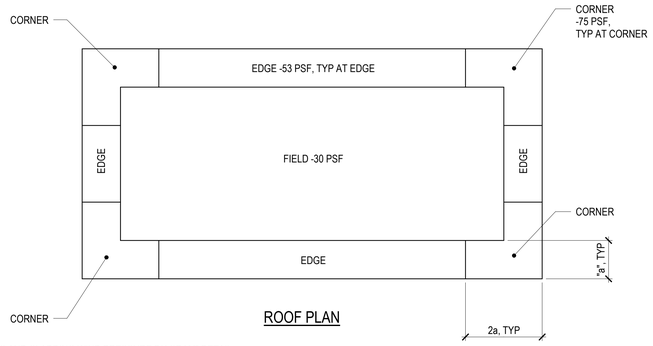
LOAD MAP NOTES:

1. LIVE LOADS MARKED (R) ARE REDUCIBLE IN ACCORDANCE WITH THE BUILDING CODE.
2. SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURE. BUILT-UP SLABS SHOWN ON PLAN ARE CONSIDERED TO BE PART OF THE SELF-WEIGHT OF THE STRUCTURE.
3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS



ROOF OVERHANG PLAN

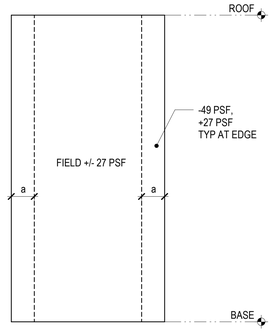


ROOF PLAN

NOTES:

1. SEE NOTES IN "COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM" DETAIL.
2. ROOF OVERHANG PLAN APPLIES TO PORTIONS OF ROOFS PROJECT HORIZONTALLY BEYOND THE WALL BELOW.

16 ROOF WIND UPLIFT PRESSURE DIAGRAM

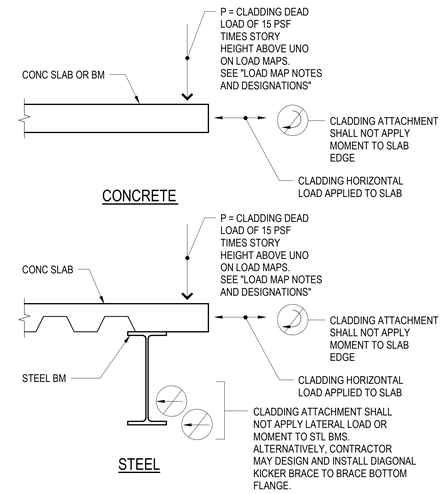


BUILDING ELEVATION

NOTES:

1. WIND LOADS FOR COMPONENTS AND CLADDING ARE DETERMINED IN ACCORDANCE WITH IBC 2018 SECTION 1609 / ASCE 7-16 SECTION 30, AND ARE STRENGTH LEVEL (Vult) PRESSURES. SCALING TO NOMINAL (Vasd) PRESSURES MAY BE ACCOMPLISHED BY MULTIPLYING THE INDICATED VALUES BY 0.60.
2. EXTERIOR COMPONENTS AND CLADDING SHALL BE DESIGNED TO ACCOMMODATE WORST CASE WIND LOADS SHOWN. ALTERNATIVELY, WIND LOADS MAY BE DETERMINED DIRECTLY FROM THE PROVISIONS OF IBC 2018 SECTION 1609 / ASCE 7-16 USING THE WIND LOAD CRITERIA NOTED IN THE "GENERAL NOTES."
3. METHOD OF APPLICATION AND MODIFICATION FACTORS APPLICABLE FOR CORNERS, OVERHANGS, ETC SHALL BE DETERMINED PER ASCE 7-16 BY THE CLADDING DESIGNER. REFER TO "GENERAL NOTES" FOR ADDITIONAL INFORMATION AFFECTING CLADDING DESIGN, AND CONNECTION TO THE STRUCTURE.
4. INWARD (POSITIVE) PRESSURE ACTS TOWARDS THE BUILDING SURFACE AND OUTWARD (NEGATIVE) PRESSURE ACTS AS SUCTION ON THE BUILDING SURFACE.
5. PRESSURES ARE CALCULATED USING THE MINIMUM EFFECTIVE WIND AREA (10 SQUARE FEET).
6. EDGE PRESSURES SHALL BE USED FOR A DISTANCE "a" FROM THE BUILDING'S CORNERS, WHERE "a" IS 10% OF THE LEAST HORIZONTAL DIMENSION, BUT NOT LESS THAN 3 FEET. "a" IS USED FOR OUTWARD PRESSURES ONLY.
7. NET PRESSURE TO ALL PARAPETS IS 104 PSF.

18 COMPONENTS AND CLADDING WIND PRESSURE DIAGRAM



CONCRETE

STEEL

NOTES:

1. REFER TO GENERAL NOTES, "EXTERIOR CLADDING" FOR ADDITIONAL INFORMATION.
2. STRUCTURE IS DESIGNED FOR THE EQUIVALENT UNIFORM LOAD CORRESPONDING TO THE ANTICIPATED WEIGHT OF THE CLADDING SYSTEM. CLADDING ATTACHMENTS WILL APPLY CONCENTRATED LOADS TO THE STRUCTURE. CONTRACTOR SHALL SUBMIT TYPICAL CLADDING ATTACHMENT DETAILS FOR REVIEW AND COMMENT PRIOR TO PREPARATION OF DETAILED CLADDING SUBMITTAL.

20 CLADDING LOAD NOTES

DAVID C. FIELDS
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project manager
drawn by
checked by
job no. 20052
date 11/18/2022

revisions:

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LOAD MAPS

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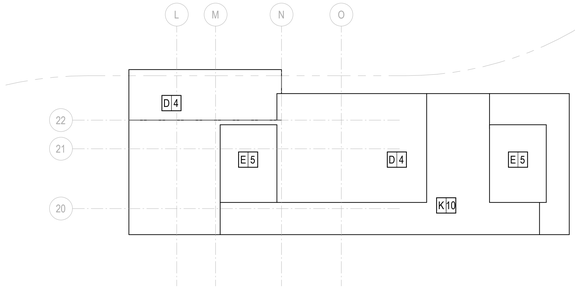
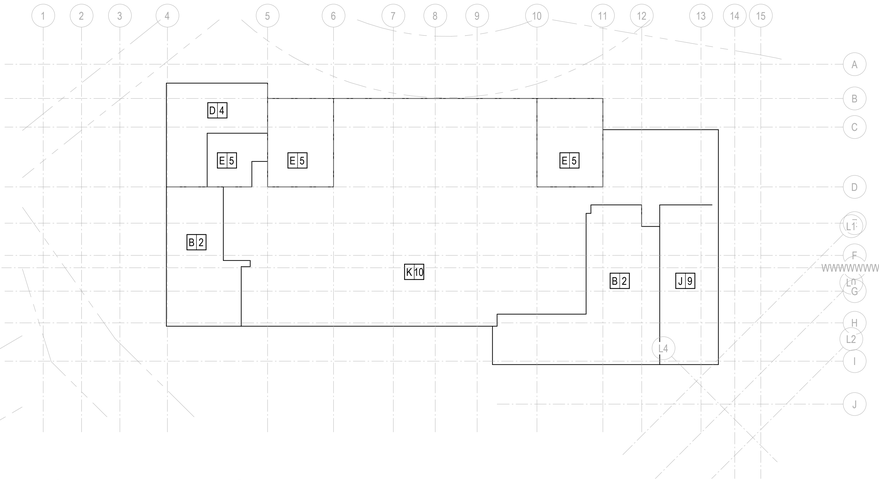
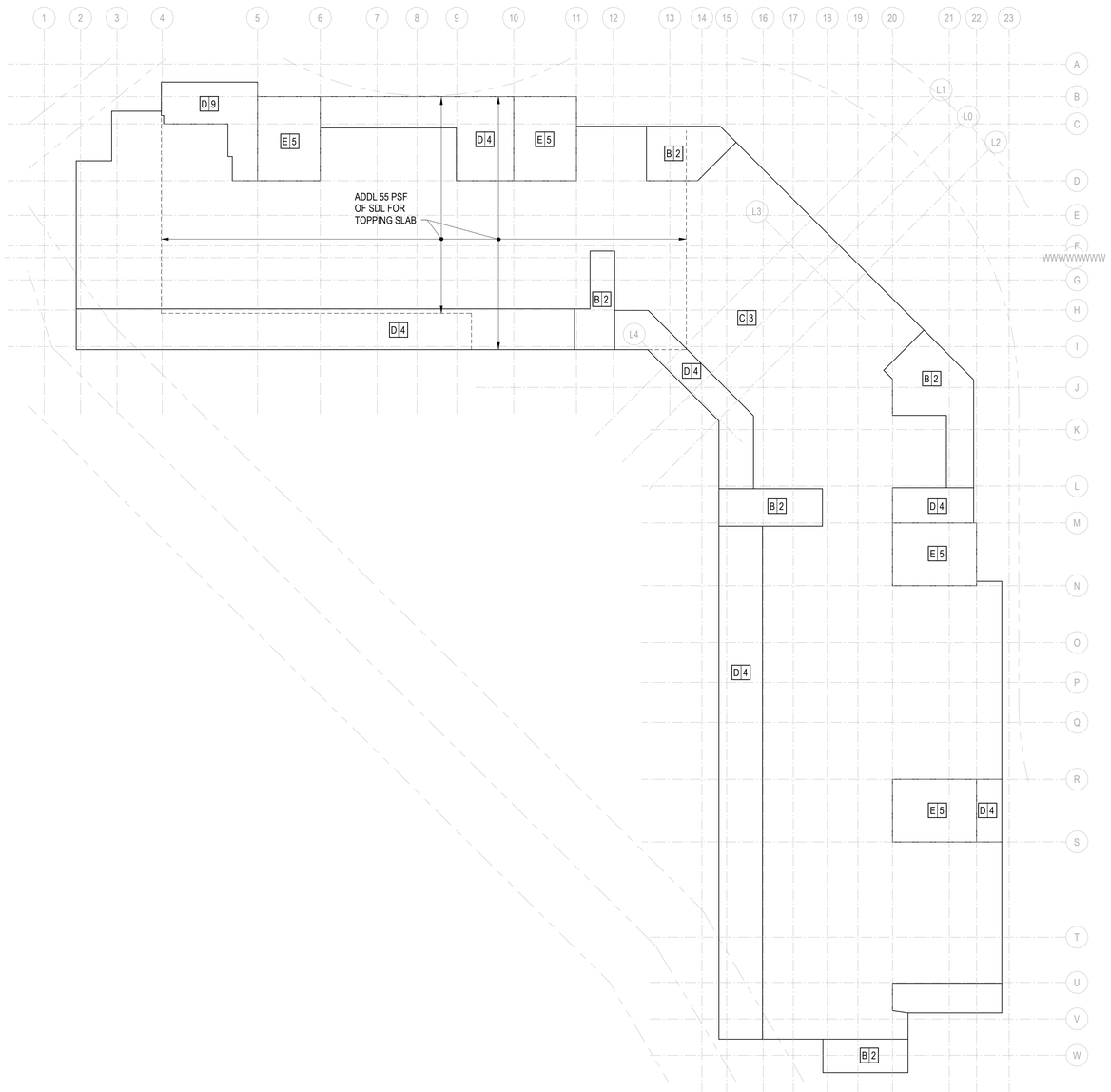




2 TOWER B - LEVEL B1 LOAD MAP

3 TOWER A - LEVEL B1 LOAD MAP



4 TOWER A & B - PARKING LEVEL 2 LOAD MAP

LOAD MAP KEY:

A 1

NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK

LETTER INDICATES LIVE LOAD MARK

INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

MARK	USE	LIVE LOAD (PSF)
A	RESIDENTIAL	40(R)
B	MECHANICAL / ELECTRICAL	125
C	PARKING	40(R) (20%)
D	LIGHT STORAGE	125
E	ASSEMBLY / CORRIDORS	100
F	BALCONY	60(R)
G	ROOF	20(R)
I	GROUND LOBBY	100
J	OFFICE	60 + 15 PARTITION LOAD
K	AMENITY	100
N	GROUND FLOOR TERRACE	100

SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

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5	CORRIDORS	15	10		5		
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7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

LOAD MAP NOTES:

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3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS

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LOAD MAPS

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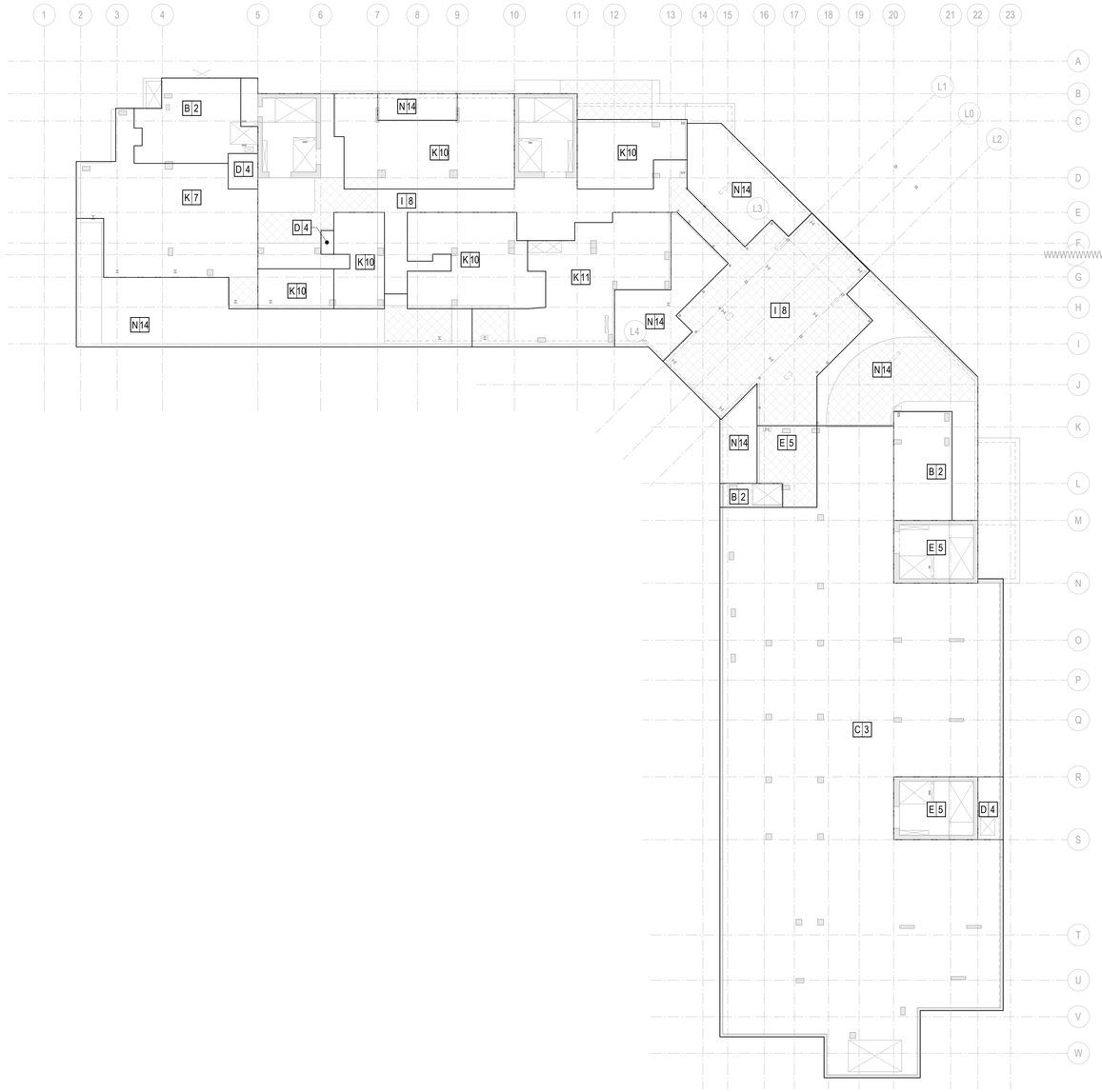

1 TOWER A - LEVEL 1 & TOWER B - LEVEL P1 LOAD MAP

LOAD MAP KEY:

A|1
- NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK
- LETTER INDICATES LIVE LOAD MARK

◇ INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

MARK	USE	LIVE LOAD (PSF)
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G	ROOF	20(R)
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SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

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LOAD MAP NOTES AND DESIGNATIONS

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LOAD MAPS

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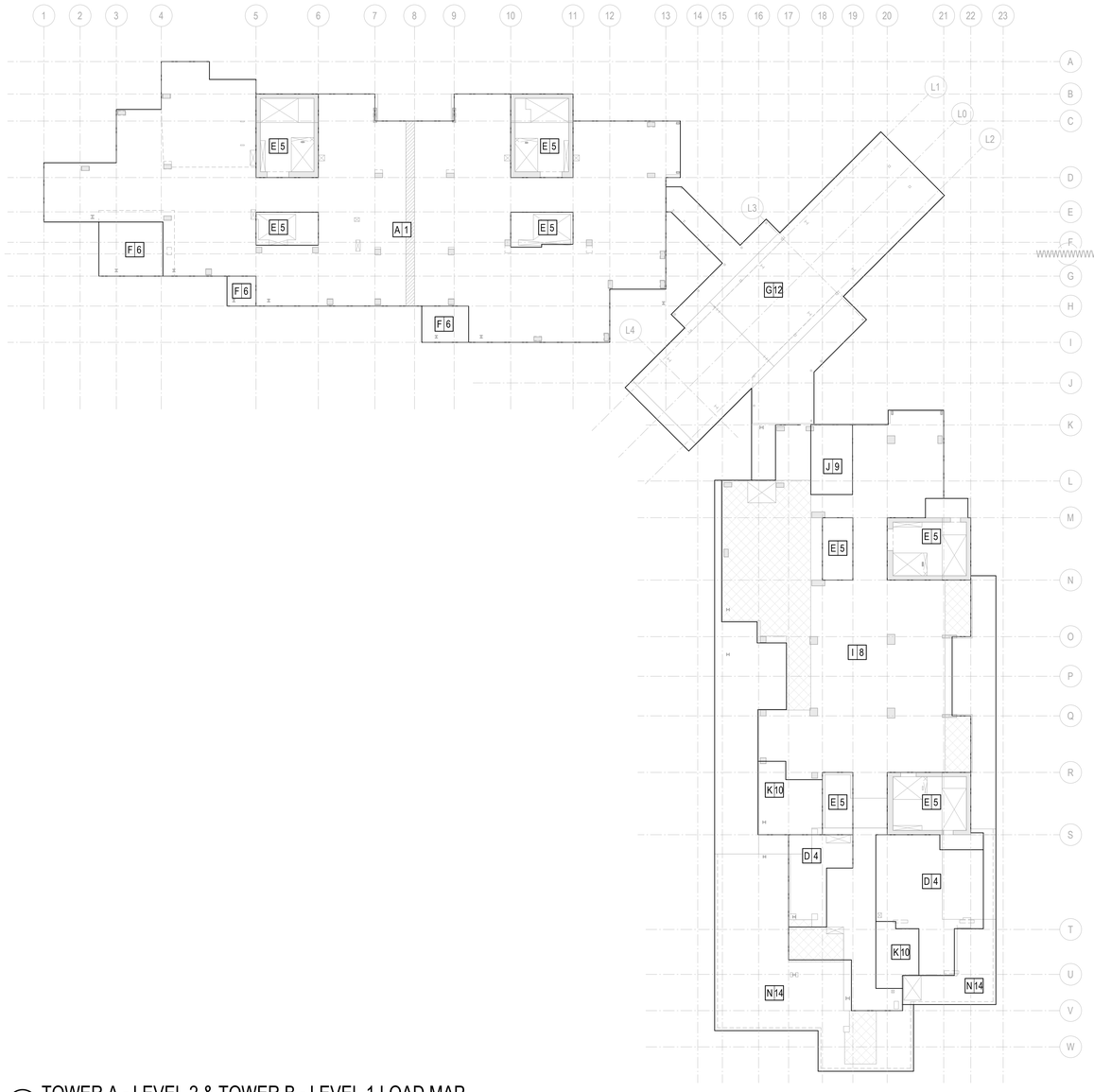
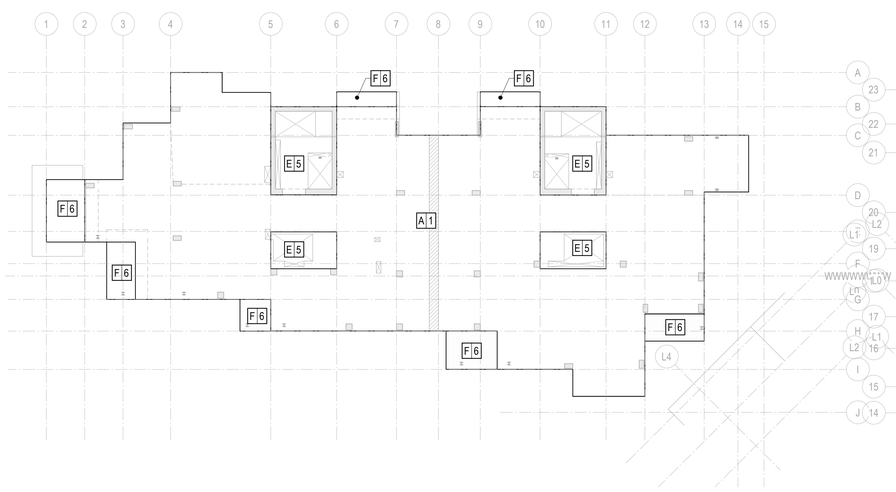


1 TOWER A - LEVEL 2 & TOWER B - LEVEL 1 LOAD MAP



2 TOWER A - LEVEL 3 LOAD MAP

3 TOWER B - LEVEL 2 LOAD MAP

LOAD MAP KEY:

A 1

NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK

LETTER INDICATES LIVE LOAD MARK

INDICATES A LOCAL LOAD IN KIPS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

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SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

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LOAD MAP NOTES AND DESIGNATIONS

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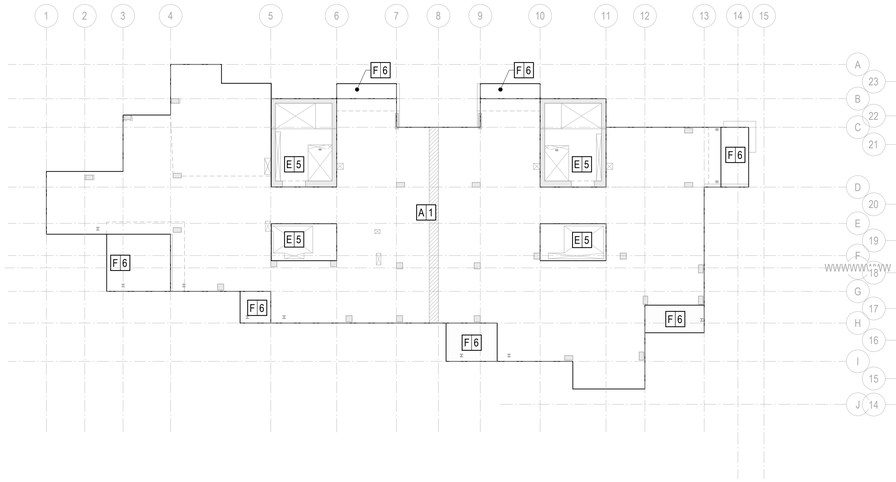
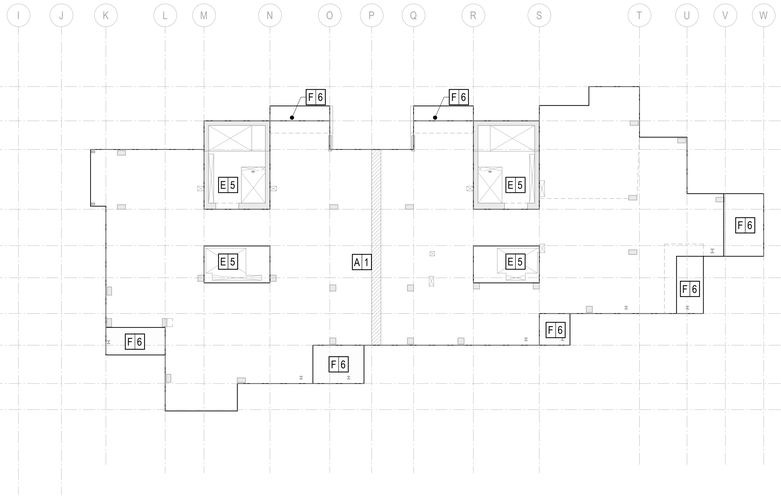


1 TOWER A - LEVEL 4 LOAD MAP



2 TOWER B - LEVEL 3 LOAD MAP

3 TOWER A - LEVEL 5 LOAD MAP

4 TOWER B - LEVEL 4 LOAD MAP

5 TOWER A - LEVEL 6 LOAD MAP

6 TOWER B - LEVEL 5 LOAD MAP

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A|1
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LOAD MAP NOTES AND DESIGNATIONS

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LOAD MAPS

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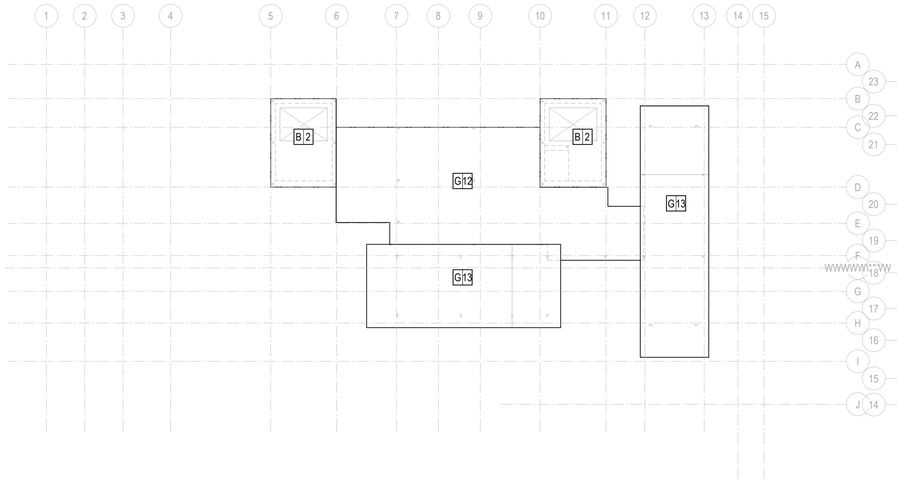
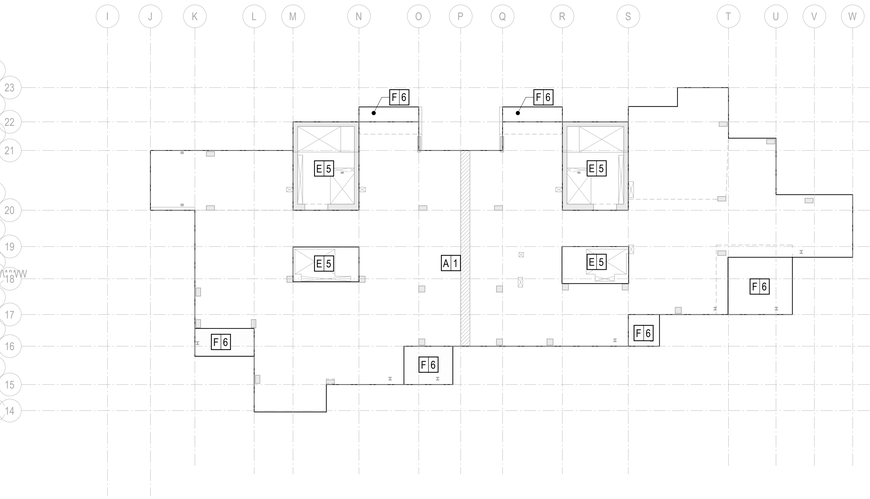


1 TOWER A - ROOF LOAD MAP



2 TOWER B - LEVEL 6 LOAD MAP

LOAD MAP KEY:

A 1
NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK
LETTER INDICATES LIVE LOAD MARK

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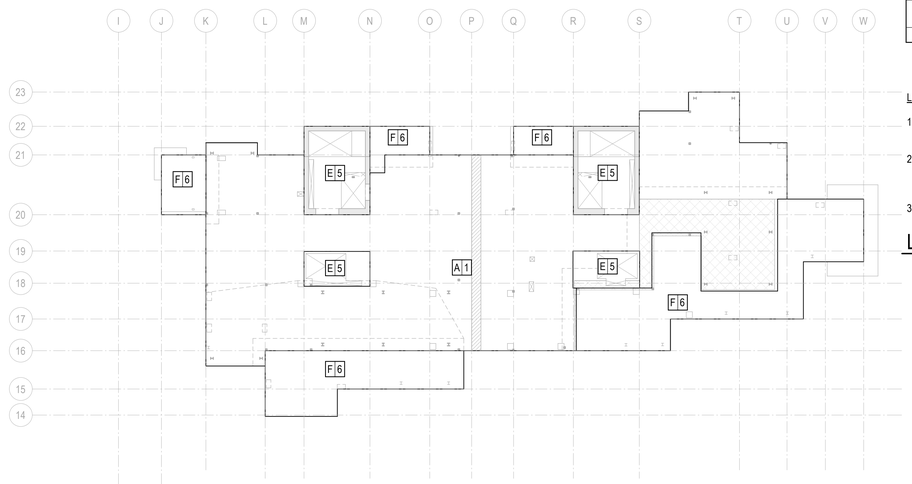
5	CORRIDORS	15	10		5		
6	BALCONY	75	10	15		50	INSULATION + TOPPING SLAB
7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

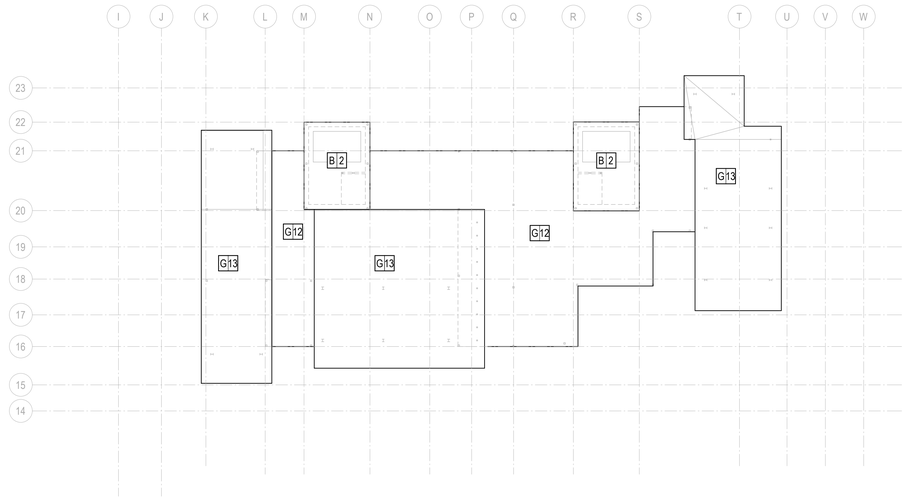
LOAD MAP NOTES:

1. LIVE LOADS MARKED (R) ARE REDUCIBLE IN ACCORDANCE WITH THE BUILDING CODE.
2. SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURE. BUILT-UP SLABS SHOWN ON PLAN ARE CONSIDERED TO BE PART OF THE SELF-WEIGHT OF THE STRUCTURE.
3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS



4 TOWER B - LEVEL 7 LOAD MAP



6 TOWER B - ROOF LOAD MAP

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project manager
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checked by
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CONSTRUCTION DOCUMENTS
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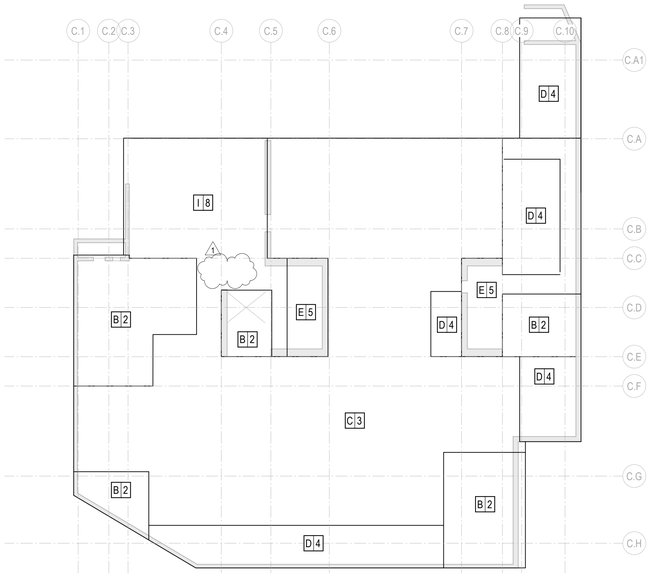
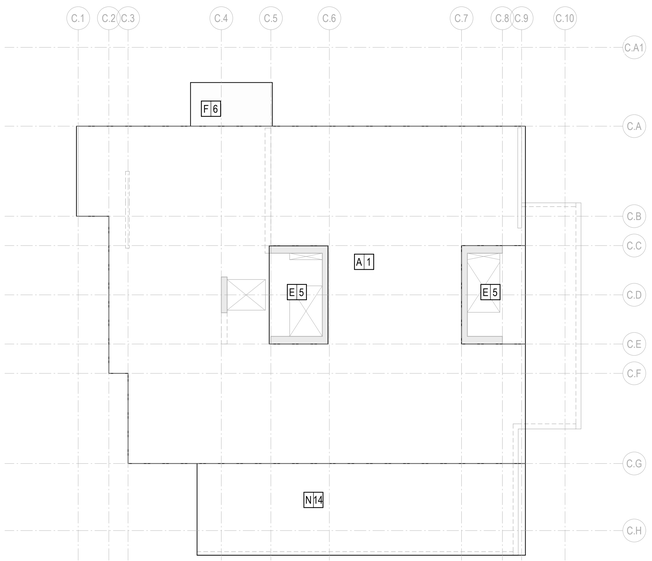
LOAD MAPS

S1.05

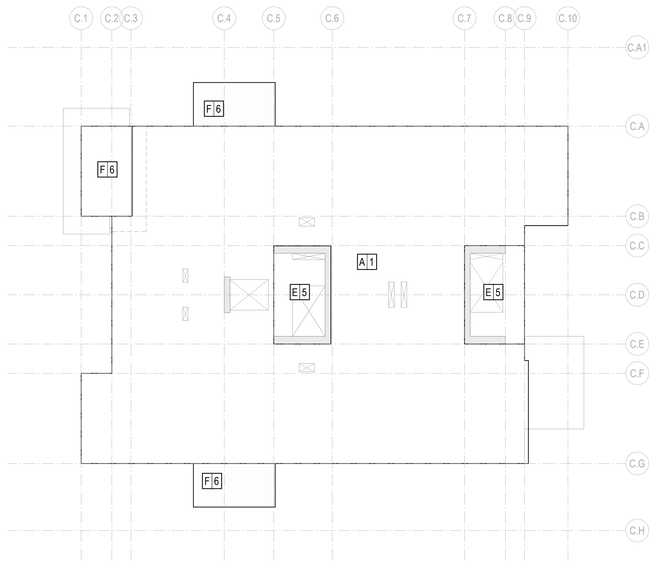


1 TOWER C PARKING LOAD MAP

2 TOWER C LEVEL 1 LOAD MAP



3 TOWER C LEVEL 2 LOAD MAP



4 TOWER C LEVEL 3 LOAD MAP

LOAD MAP KEY:

A|1
- NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK
- LETTER INDICATES LIVE LOAD MARK

◇ INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

MARK	USE	LIVE LOAD (PSF)
A	RESIDENTIAL	40(R)
B	MECHANICAL / ELECTRICAL	125
C	PARKING	40(R) (20%)
D	LIGHT STORAGE	125
E	ASSEMBLY / CORRIDORS	100
F	BALCONY	60(R)
G	ROOF	20(R)
I	GROUND LOBBY	100
J	OFFICE	60 + 15 PARTITION LOAD
K	AMENITY	100
N	GROUND FLOOR TERRACE	100

SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

MARK	TYPE	TOTAL SDL (PSF)	CEILING/MEP LOAD (PSF)	FLOOR FINISH LOAD (PSF)	PARTITION LOAD (PSF)	SPECIAL LOAD (PSF)	SPECIAL LOAD DESCRIPTION
1	RESIDENTIAL	30	5	5	20		
2	MECHANICAL / ELECTRICAL	15	10		5		
3	PARKING	5	5				
4	LIGHT STORAGE	15	10		5		
5	CORRIDORS	15	10		5		
6	BALCONY	75	10	15		50	INSULATION + TOPPING SLAB
7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

LOAD MAP NOTES:

1. LIVE LOADS MARKED (R) ARE REDUCIBLE IN ACCORDANCE WITH THE BUILDING CODE.
2. SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURE.
3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS

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checked by
job no. 20052
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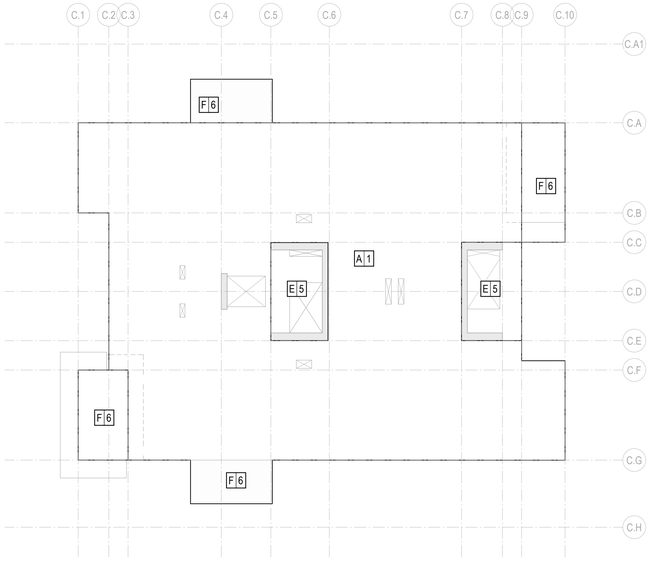
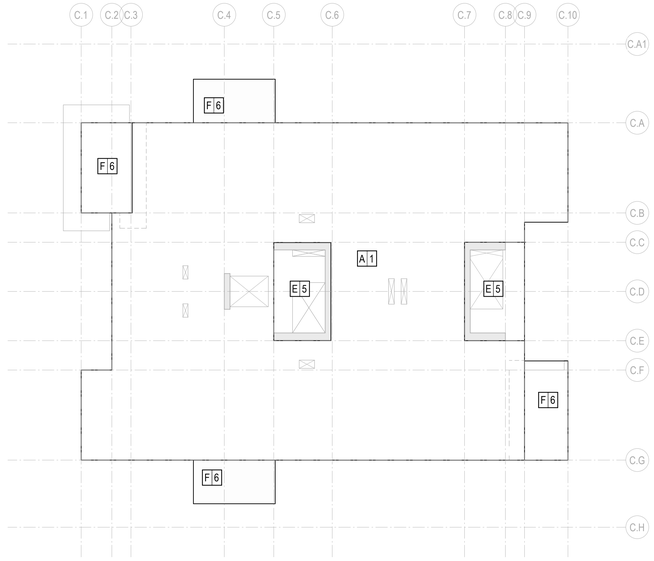
LOAD MAPS

S1.06



1 TOWER C LEVEL 4 LOAD MAP



2 TOWER C LEVEL 5 LOAD MAP

LOAD MAP KEY:

A 1

NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK

LETTER INDICATES LIVE LOAD MARK

INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS

MARK	USE	LIVE LOAD (PSF)
A	RESIDENTIAL	40(R)
B	MECHANICAL / ELECTRICAL	125
C	PARKING	40(R) (20%)
D	LIGHT STORAGE	125
E	ASSEMBLY / CORRIDORS	100
F	BALCONY	60(R)
G	ROOF	20(R)
I	GROUND LOBBY	100
J	OFFICE	60 + 15 PARTITION LOAD
K	AMENITY	100
N	GROUND FLOOR TERRACE	100

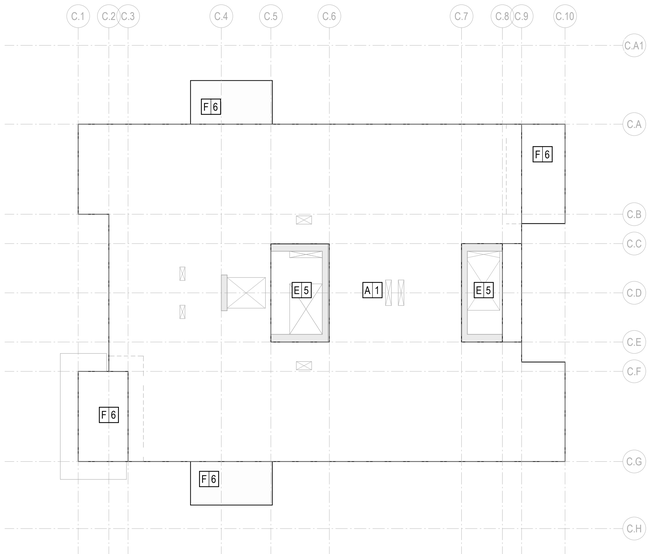
SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS

MARK	TYPE	TOTAL SDL (PSF)	CEILING/MEP LOAD (PSF)	FLOOR FINISH LOAD (PSF)	PARTITION LOAD (PSF)	SPECIAL LOAD (PSF)	SPECIAL LOAD DESCRIPTION
1	RESIDENTIAL	30	5	5	20		
2	MECHANICAL / ELECTRICAL	15	10		5		
3	PARKING	5	5				
4	LIGHT STORAGE	15	10		5		
5	CORRIDORS	15	10		5		
6	BALCONY	75	10	15		50	INSULATION + TOPPING SLAB
7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

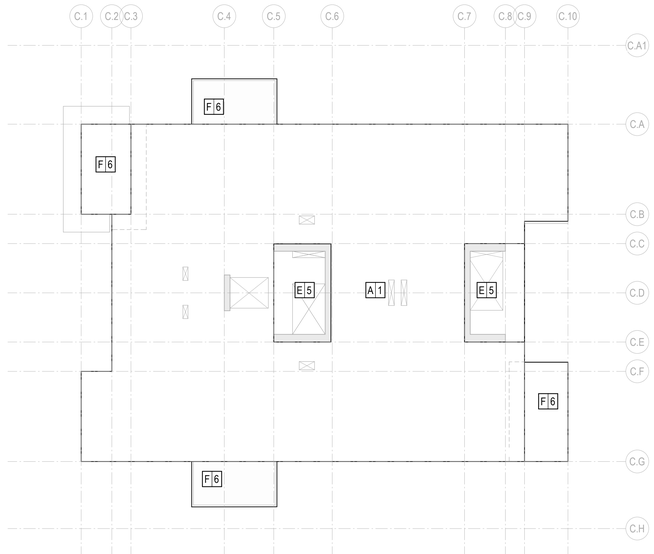
LOAD MAP NOTES:

1. LIVE LOADS MARKED (R) ARE REDUCIBLE IN ACCORDANCE WITH THE BUILDING CODE.
2. SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURE.
3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS



3 TOWER C LEVEL 6 LOAD MAP



4 TOWER C LEVEL 7 LOAD MAP

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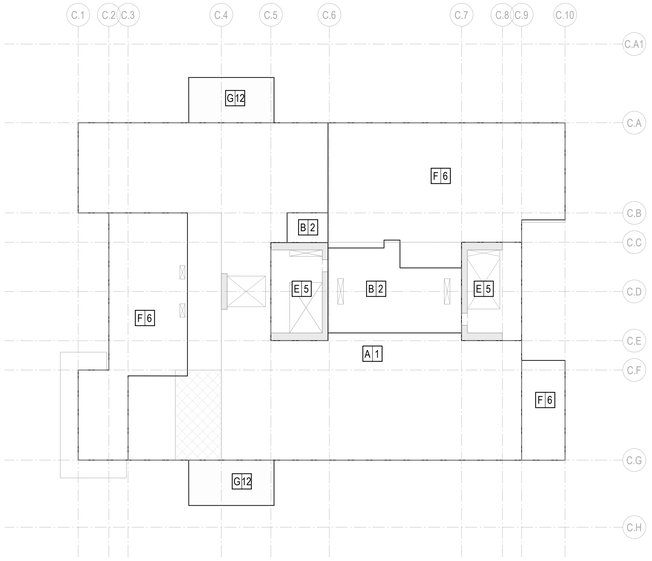
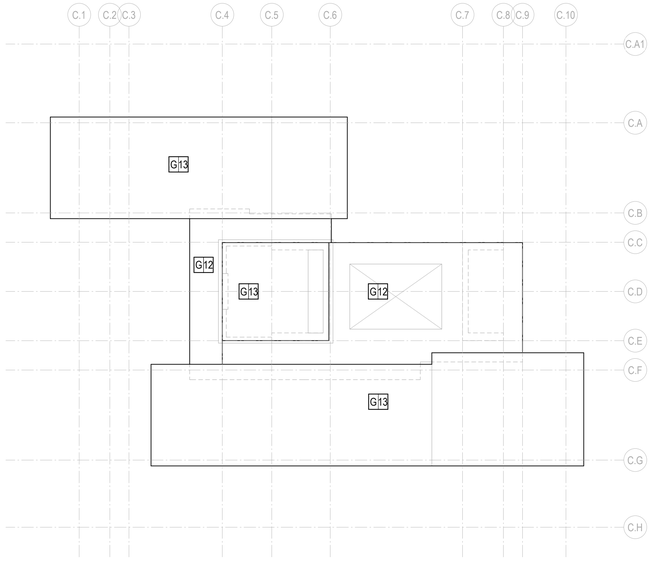
LOAD MAPS

S1.07



1 TOWER C LEVEL 8 LOAD MAP



2 TOWER C ROOF LOAD MAP

LOAD MAP KEY:

A 1
- NUMBER INDICATES SUPERIMPOSED DEAD LOAD MARK
- LETTER INDICATES LIVE LOAD MARK

INDICATES CLADDING LOAD IN POUNDS PER SQUARE FOOT OF SURFACE AREA. SEE "CLADDING LOAD NOTES" DETAIL AT THE END OF LOAD MAPS.

LIVE LOAD (LL) DESIGNATIONS		
MARK	**USE**	**LIVE LOAD (PSF)**
A	RESIDENTIAL	40(R)
B	MECHANICAL / ELECTRICAL	125
C	PARKING	40(R) (20%)
D	LIGHT STORAGE	125
E	ASSEMBLY / CORRIDORS	100
F	BALCONY	60(R)
G	ROOF	20(R)
I	GROUND LOBBY	100
J	OFFICE	60 + 15 PARTITION LOAD
K	AMENITY	100
N	GROUND FLOOR TERRACE	100

SUPERIMPOSED DEAD LOAD (SDL) DESIGNATIONS							
MARK	**TYPE**	**TOTAL SDL (PSF)**	**CEILING/MEP LOAD (PSF)**	**FLOOR FINISH LOAD (PSF)**	**PARTITION LOAD (PSF)**	**SPECIAL LOAD (PSF)**	**SPECIAL LOAD DESCRIPTION**
1	RESIDENTIAL	30	5	5	20		
2	MECHANICAL / ELECTRICAL	15	10		5		
3	PARKING	5	5				
4	LIGHT STORAGE	15	10		5		
5	CORRIDORS	15	10		5		
6	BALCONY	75	10	15		50	INSULATION + TOPPING SLAB
7	RETAIL	60	10			50	BUILT UP SLAB
8	GROUND LOBBY	60	10	40	10		
9	OFFICE	15	10	5			
10	AMENITY	30	10	15	5		
11	FITNESS	65	5	5	5	50	ISOLATION SLAB
12	GREEN ROOF	40	10	5		25	INSULATION + LIGHT GREEN ROOF
13	ROOF	25	10			15	INSULATION + ROOFING
14	DEEP SOIL	330	10			320	SOIL DEPTH TBC

LOAD MAP NOTES:

1. LIVE LOADS MARKED (R) ARE REDUCIBLE IN ACCORDANCE WITH THE BUILDING CODE.
2. SUPERIMPOSED DEAD LOADS ARE IN ADDITION TO THE SELF-WEIGHT OF THE STRUCTURE.
3. SEE FRAMING PLANS FOR DESIGN LOAD OF SPECIFIC ITEMS SUCH AS ELEVATORS, ESCALATORS, AND MECHANICAL / ELECTRICAL EQUIPMENT.

LOAD MAP NOTES AND DESIGNATIONS

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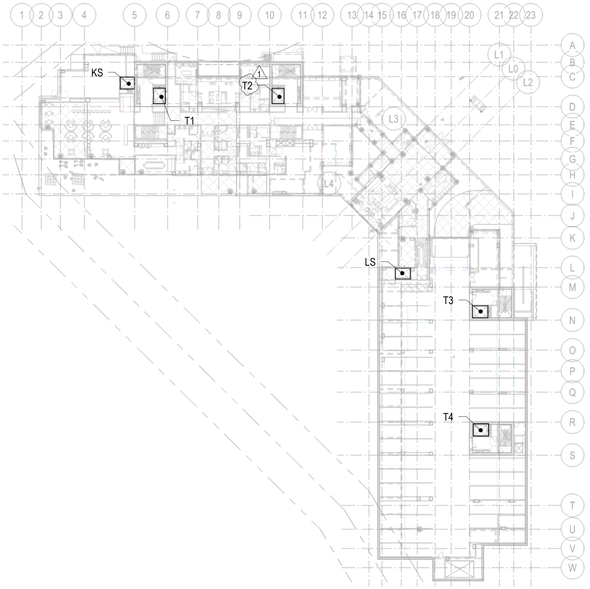
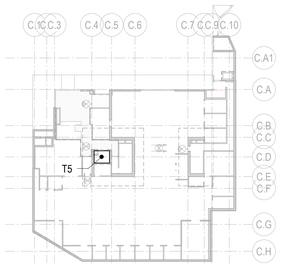
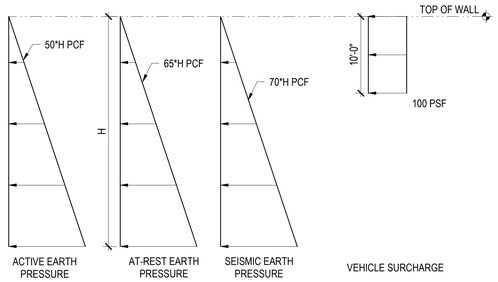
LOAD MAPS

S1.08





ELEVATOR KEY PLAN

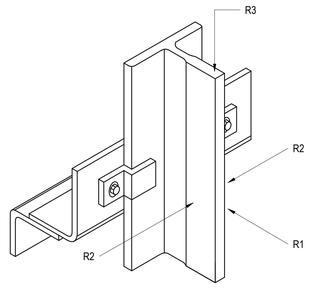


SOIL LOADS | LIVE LOADS

NOTES:

1. H = HEIGHT OF BASEMENT WALL, (FT)
2. DESIGN PRESSURES ARE BASED ON A "DRAINED" CONDITION PER THE GENERAL NOTES.
3. THE PRESSURE DIAGRAM IS APPROPRIATE FOR PERMANENT BASEMENT WALLS CONSTRUCTED IN FRONT OF TEMPORARY SHORING WALLS WITH TIEBACK OR SOIL NAIL ANCHORS. IF ADDITIONAL SURCHARGE LOADING (SUCH AS FROM SOIL STOCKPILES, EXCAVATORS, DUMP TRUCKS, CRANES, OR CONCRETE TRUCKS) IS ANTICIPATED, THE STRUCTURAL AND GEOTECHNICAL ENGINEERS SHALL BE NOTIFIED.

16 LATERAL PRESSURE ON SUBGRADE WALLS



ELEVATOR RAIL NORMAL REACTIONS		LS	KS	T1-4	T5
CAR	R1 (KIPS)	0.7	1.4	1.3	1.3
	R2 (KIPS)	0.4	1.9	0.7	0.7
	R3 (KIPS)	SEE ELEVATOR PIT PLANS			
CAR	R1 (KIPS)	0.8	1.1	1.1	1.1
	R2 (KIPS)	0.4	0.6	0.6	0.6
	R3 (KIPS)	SEE ELEVATOR PIT PLANS			

ELEVATOR RAIL NORMAL REACTIONS		LS	KS	T1-4	T5
CAR	R1 (KIPS)	0.7	1.1	1.1	1.1
	R2 (KIPS)	0.4	0.5	0.5	0.5
	R3 (KIPS)	SEE ELEVATOR PIT PLANS			
CAR	R1 (KIPS)	0.8	1.1	1.1	1.1
	R2 (KIPS)	0.4	0.6	0.6	0.6
	R3 (KIPS)	SEE ELEVATOR PIT PLANS			

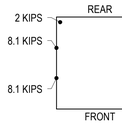
NOTES:

1.NOTES:
1. ELEVATOR RAIL SUPPORT BEAMS AND POST HAVE BEEN DESIGNED TO MEET DEFLECTION LIMITS OF 1/4" FOR NORMAL LOADS AND 1/4" FOR SEISMIC LOADS.

2. MAXIMUM ASSUMED UNSUPPORTED ELEVATOR RAIL SPAN IS 10'-6" FOR ELEVATORS "KS" and T1 THROUGH T5. MAXIMUM ASSUMED UNSUPPORTED ELEVATOR RAIL SPAN IS 14'-0" FOR ELEVATOR "LS". PROVIDE ELEVATOR RAIL SUPPORT POST PER THE TYPICAL DETAIL WHERE REQUIRED BY THE ELEVATOR SUPPLIER. COORDINATE QUANTITY AND LOCATION WITH ELEVATOR SUPPLIER.

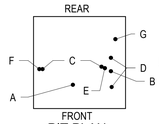
3. "CWT" = COUNTERWEIGHT.

14 ELEVATOR RAIL REACTIONS



OVER HEAD
(ABOVE TOWER B LEVEL 1)

REACTION POINT	REACTION TYPE	REACTION (KIPS)
A	CAR BUFFER	29.1
B	CAR BUFFER	26.4
C	CAR SAFETY	27.4
D	DRIVE MACHINE	23.4
E	CAR RAIL	25
F	CWT RAIL	17
G	CWT RAIL	9

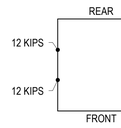


PIT PLAN
(ELEVATED PIT ABOVE LEVEL P2)

NOTES:

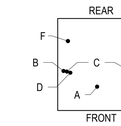
1. REACTIONS E-G ARE ALTERNATE REACTIONS IF A RAIL SUPPORTED MACHINE IS CHOSEN. LOADS E-F DO NOT OCCUR SIMULTANEOUSLY.
2. LOADS A & B DO NOT OCCUR SIMULTANEOUSLY.
3. LOADS HAVE BEEN DOUBLED FOR IMPACT.

17 LOBBY SHUTTLE (LS) ELEVATOR REACTIONS



OVER HEAD
(ABOVE TOWER A L1)

REACTION POINT	REACTION TYPE	REACTION (KIPS)
A	CAR BUFFER	52.3
B	CAR BUFFER	47.8
C	CAR SAFETY	31.2
D	DRIVE MACHINE	31
E	CAR RAIL	22
F	CWT RAIL	10.3

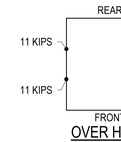


PIT PLAN
(LEVEL B1)

NOTES:

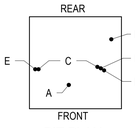
1. REACTIONS D-F ARE ALTERNATE REACTIONS IF A RAIL SUPPORTED MACHINE IS CHOSEN. LOADS E-F DO NOT OCCUR SIMULTANEOUSLY.
2. LOADS A & B DO NOT OCCUR SIMULTANEOUSLY.
3. LOADS HAVE BEEN DOUBLED FOR IMPACT.

18 KITCHEN SERVICE (KS) ELEVATOR REACTIONS



OVER HEAD
(T1 - TOWER A6; T2 - TOWER A ROOF; T3 & T4 - TOWER B ROOF)

REACTION POINT	REACTION TYPE	REACTION (KIPS)
A	CAR BUFFER	53.3
B	CAR BUFFER	48.8
C	CAR SAFETY	32.2
D	DRIVE MACHINE	32
E	CAR RAIL	23
F	CWT RAIL	11

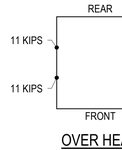


PIT PLAN
(LEVEL B1)

NOTES:

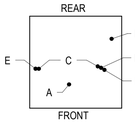
1. REACTIONS D-F ARE ALTERNATE REACTIONS IF A RAIL SUPPORTED MACHINE IS CHOSEN. LOADS E-F DO NOT OCCUR SIMULTANEOUSLY.
2. LOADS A & B DO NOT OCCUR SIMULTANEOUSLY.
3. LOADS HAVE BEEN DOUBLED FOR IMPACT.

19 ELEVATOR T1-T4 REACTIONS



OVER HEAD
(TOWER C ROOF)

REACTION POINT	REACTION TYPE	REACTION (KIPS)
A	CAR BUFFER	53.3
B	CAR BUFFER	48.8
C	CAR SAFETY	32.2
D	DRIVE MACHINE	32
E	CAR RAIL	23
F	CWT RAIL	11



PIT PLAN
(LEVEL P1)

NOTES:

1. REACTIONS D-F ARE ALTERNATE REACTIONS IF A RAIL SUPPORTED MACHINE IS CHOSEN. LOADS E-F DO NOT OCCUR SIMULTANEOUSLY.
2. LOADS A & B DO NOT OCCUR SIMULTANEOUSLY.
3. LOADS HAVE BEEN DOUBLED FOR IMPACT.

20 ELEVATOR T5 REACTIONS

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