



BIM – Building Information Modeling The New Technology Seminar 3

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Building Information Modeling (BIM)

信息化建筑模型

- 1 **Visualization**
- 2 **Production**
- 3 **Co-ordination/ Collaboration**
- 4 **Submission**
- 5 **Analysis**
- 6 **Supply Chain Integration**

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1 BIM in Town Planning?

2 BIM in Government Submission

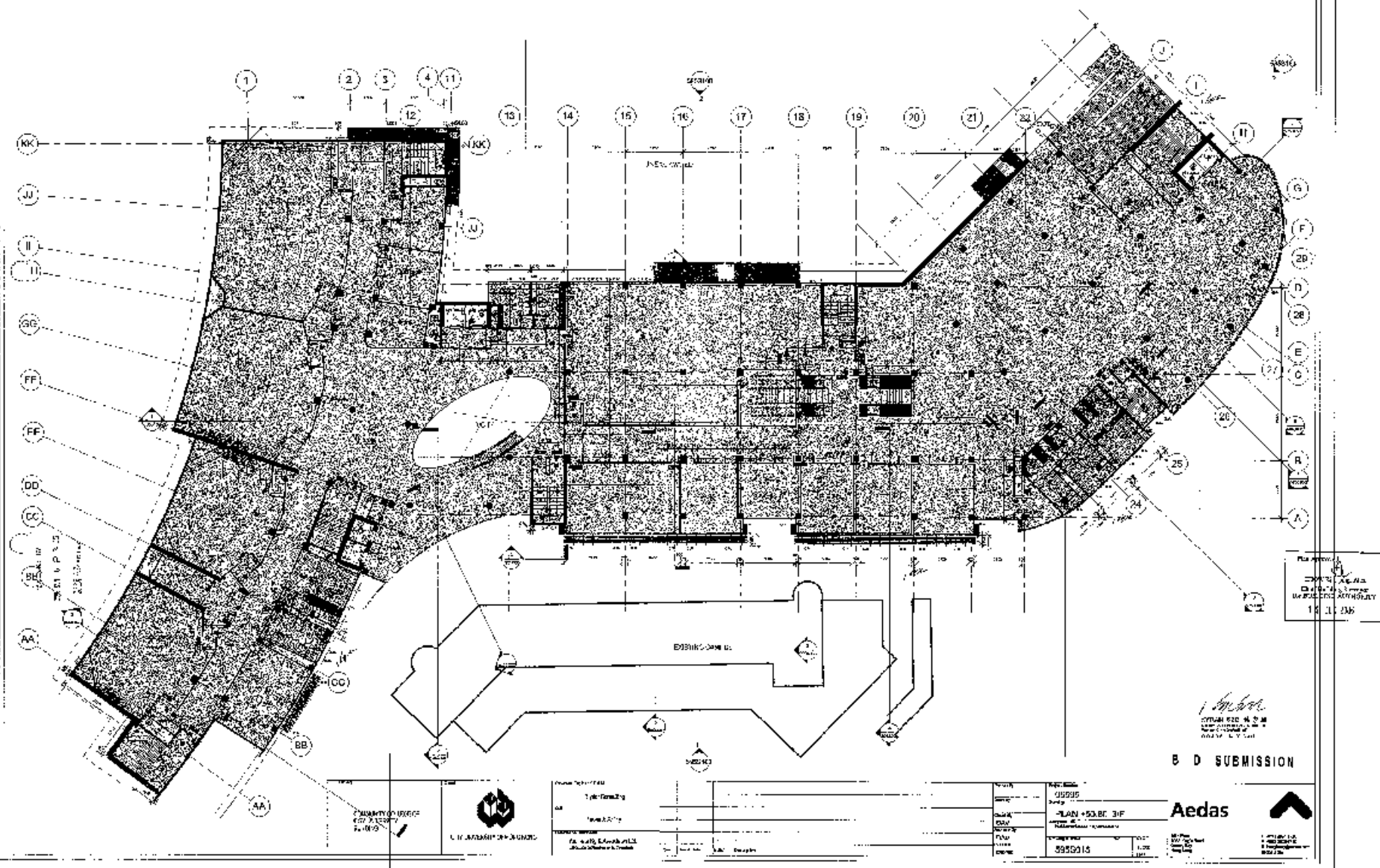
3 BIM in Specification and BQ Generation

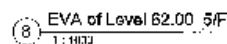
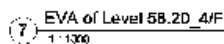
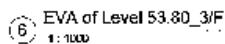
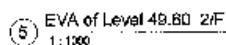
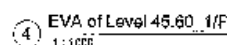
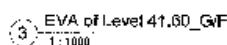
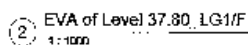


BIM in Town Planning?



BIM in Government Submission





B D SUBMISSION



CALCULATION ON TOTAL LENGTH OF BUILDING FACADE TO BE SERVED BY EVA AND PERCENTAGE OF SUCH LENGTH OVER THE TOTAL LENGTH OF ALL THE PERIMETER WALLS OF THE BUILDING



[illegible]

日期	星期	天气	温度	地点	活动内容	备注
1954.10.1	星期一	晴	15-25	学校	上课	
1954.10.2	星期二	晴	15-25	学校	上课	
1954.10.3	星期三	晴	15-25	学校	上课	
1954.10.4	星期四	晴	15-25	学校	上课	
1954.10.5	星期五	晴	15-25	学校	上课	
1954.10.6	星期六	晴	15-25	学校	上课	
1954.10.7	星期日	晴	15-25	学校	上课	
1954.10.8	星期一	晴	15-25	学校	上课	
1954.10.9	星期二	晴	15-25	学校	上课	
1954.10.10	星期三	晴	15-25	学校	上课	
1954.10.11	星期四	晴	15-25	学校	上课	
1954.10.12	星期五	晴	15-25	学校	上课	
1954.10.13	星期六	晴	15-25	学校	上课	
1954.10.14	星期日	晴	15-25	学校	上课	
1954.10.15	星期一	晴	15-25	学校	上课	
1954.10.16	星期二	晴	15-25	学校	上课	
1954.10.17	星期三	晴	15-25	学校	上课	
1954.10.18	星期四	晴	15-25	学校	上课	
1954.10.19	星期五	晴	15-25	学校	上课	
1954.10.20	星期六	晴	15-25	学校	上课	
1954.10.21	星期日	晴	15-25	学校	上课	
1954.10.22	星期一	晴	15-25	学校	上课	
1954.10.23	星期二	晴	15-25	学校	上课	
1954.10.24	星期三	晴	15-25	学校	上课	
1954.10.25	星期四	晴	15-25	学校	上课	
1954.10.26	星期五	晴	15-25	学校	上课	
1954.10.27	星期六	晴	15-25	学校	上课	
1954.10.28	星期日	晴	15-25	学校	上课	
1954.10.29	星期一	晴	15-25	学校	上课	
1954.10.30	星期二	晴	15-25	学校	上课	
1954.10.31	星期三	晴	15-25	学校	上课	

Year	Age	Sex	Height (cm)	Weight (kg)	Body Fat (%)	Heart Rate (b/min)	Max Heart Rate (b/min)	VO2 Max (ml/min)	VO2 Max (ml/kg/min)
1970	20.0	M	170.0	65.0	12.0	150.0	180.0	3.0	18.0
1971	20.5	M	172.0	68.0	12.5	155.0	185.0	3.2	18.5
1972	21.0	M	174.0	70.0	13.0	160.0	190.0	3.4	19.0
1973	21.5	M	176.0	72.0	13.5	165.0	195.0	3.6	19.5
1974	22.0	M	178.0	74.0	14.0	170.0	200.0	3.8	20.0
1975	22.5	M	180.0	76.0	14.5	175.0	205.0	4.0	20.5
1976	23.0	M	182.0	78.0	15.0	180.0	210.0	4.2	21.0
1977	23.5	M	184.0	80.0	15.5	185.0	215.0	4.4	21.5
1978	24.0	M	186.0	82.0	16.0	190.0	220.0	4.6	22.0
1979	24.5	M	188.0	84.0	16.5	195.0	225.0	4.8	22.5
1980	25.0	M	190.0	86.0	17.0	200.0	230.0	5.0	23.0

7000 Apparent
 CITY KINGDOM, INC.
 Chief Building Supervisor
 675 LINDEN AVENUE
 117 10TH AVE

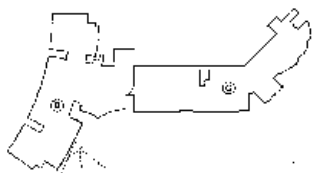
* Hatch area represents the total length of the building facade served by the EVA

 <p>UNIVERSITY OF ILLINOIS CHICAGO BUREAU</p>	 <p>UNIVERSITY OF ILLINOIS CHICAGO</p>	<p>Student Name: _____</p> <p>Room Number: _____</p> <p>Course: _____</p> <p>Section: _____</p> <p>Teacher: _____</p> <p>Classroom: _____</p> <p>Lab: _____</p> <p>Office: _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>Website: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____</p> <p>Zip: _____</p> <p>Country: _____</p>	<p>Student Name: _____</p> <p>Room Number: _____</p> <p>Course: _____</p> <p>Section: _____</p> <p>Teacher: _____</p> <p>Classroom: _____</p> <p>Lab: _____</p> <p>Office: _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>Website: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____</p> <p>Zip: _____</p> <p>Country: _____</p>	<p>Student Name: _____</p> <p>Room Number: _____</p> <p>Course: _____</p> <p>Section: _____</p> <p>Teacher: _____</p> <p>Classroom: _____</p> <p>Lab: _____</p> <p>Office: _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>Website: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____</p> <p>Zip: _____</p> <p>Country: _____</p>	<p>Student Name: _____</p> <p>Room Number: _____</p> <p>Course: _____</p> <p>Section: _____</p> <p>Teacher: _____</p> <p>Classroom: _____</p> <p>Lab: _____</p> <p>Office: _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>Website: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____</p> <p>Zip: _____</p> <p>Country: _____</p>	<p>Student Name: _____</p> <p>Room Number: _____</p> <p>Course: _____</p> <p>Section: _____</p> <p>Teacher: _____</p> <p>Classroom: _____</p> <p>Lab: _____</p> <p>Office: _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>Website: _____</p> <p>Address: _____</p> <p>City: _____</p> <p>State: _____</p> <p>Zip: _____</p> <p>Country: _____</p>
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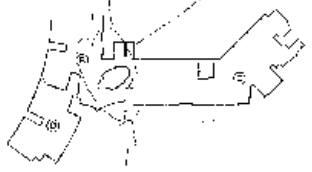
LG/F (+37.82) COMPARTMENT CALCULATION



G/F (+41.80) COMPARTMENT CALCULATION



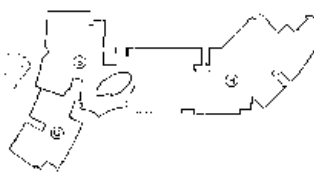
1/F (+45.80) COMPARTMENT CALCULATION



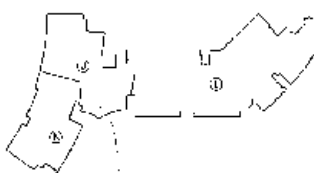
4/F (+53.80) COMPARTMENT CALCULATION



3/F (+53.80) COMPARTMENT CALCULATION



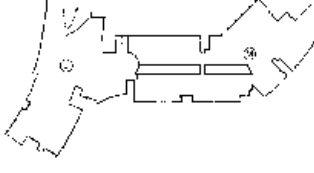
4/F (+53.80) COMPARTMENT CALCULATION



5/F (+52.00) COMPARTMENT CALCULATION



6/F (+55.80) COMPARTMENT CALCULATION



COMPARTMENT OF FLOOR									
FLOOR	TYPE OF ROOM	AREA (sq. m.)	PERMITTED OCCUPANCY	ACTUAL OCCUPANCY	PERMITTED OCCUPANCY	ACTUAL OCCUPANCY	PERMITTED OCCUPANCY	ACTUAL OCCUPANCY	PERMITTED OCCUPANCY
LG/F (+37.82)	Office	275.442	9	31	275.442	9	31	275.442	9
G/F (+41.80)	Shop	54.208	3	19	54.208	3	19	54.208	3
G/F (+41.80)	Office	472.433	9	41	472.433	9	41	472.433	9
3/F (+53.80)	Restaurant	1428.34	1	117	1428.34	1	117	1428.34	1
3/F (+53.80)	Kitchen	481.136	4.5	107	481.136	4.5	107	481.136	4.5
5/F (+52.00)	Office	2031.236	9	228	2031.236	9	228	2031.236	9
6/F (+55.80)	Restaurant	176.557	1	177	176.557	1	177	176.557	1
6/F (+55.80)	Kitchen	186.561	4.5	42	186.561	4.5	42	186.561	4.5
6/F (+55.80)	Exhibition hall	704.222	2	353	704.222	2	353	704.222	2
Total number of students									6000
Total									6000

Total Capacity of COCUB				
Location	Use	Area	Factor	Total Capacity
LG/F	Office	275.442	9	31
G/F	Shop	54.208	3	19
G/F	Office	472.433	9	41
3/F	Restaurant	1428.34	1	117
3/F	Kitchen	481.136	4.5	107
5/F	Office	2031.236	9	228
6/F	Restaurant	176.557	1	177
6/F	Kitchen	186.561	4.5	42
6/F	Exhibition hall	704.222	2	353
Total number of students				6000
Total				6000

SOCKET CIRCUMFERENCE NUMBER & WIDTH OF STAIRWAYS CONTAINED IN THEM FACILITIES

LOCATION	FLOOR	STAIRWAY	REQD	PROV	MIN. WIDTH (mm)		MIN. WIDTH (mm)		MIN. TOTAL WIDTH (mm)	
					REQD	PROV	REQD	PROV	REQD	PROV
LG/F (+37.82)	LG/F	1	1	1	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	2	2	2	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	3	3	3	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	4	4	4	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	5	5	5	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	6	6	6	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	7	7	7	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	8	8	8	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	9	9	9	750	750	1000	1000	1000	1000
LG/F (+37.82)	LG/F	10	10	10	750	750	1000	1000	1000	1000

1000 mm x 1000 mm
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1000 mm x 1000 mm

NOTED: SEE IN PLAN
FOR STAIRWAY DETAILS
ON THE OTHER SIDE

FIRE RESISTANCE REQUIREMENT FOR ELEMENTS OF CONSTRUCTION									
COMPARTMENT	CLASS	TOTAL WALL AREA (sq. m.)	FLOOR AREA (sq. m.)	THICK.	CONCRETE (mm)	THICK.	CONCRETE (mm)	THICK.	CONCRETE (mm)
1. OFFICE	1000	200	100	10	100	10	100	10	100
2. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
3. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
4. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
5. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
6. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
7. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
8. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
9. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100
10. PLACE OF ASSEMBLY	1000	200	100	10	100	10	100	10	100

11. APPROVED
12. APPROVED
13. APPROVED
14. APPROVED
15. APPROVED
16. APPROVED
17. APPROVED
18. APPROVED
19. APPROVED
20. APPROVED

B SUBMISSION

CITY UNIVERSITY COLLEGE
CITY UNIVERSITY
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Architectural floor plan of a building complex. The plan shows various rooms, corridors, and structural elements. Key features include:

- A large central hall or common area.
- Several smaller rooms, some numbered (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).
- A series of rooms along the right side, possibly a wing or a separate section.
- Structural elements like walls, doors, and windows.
- A north arrow pointing towards the top right.
- Labels: "FLOOR PLAN" at the bottom left and "SECTION 1" at the bottom right.

[illegible][illegible][illegible]

Mr. Applegate
L.H.W.E. Co. Inc.
Selling Manager
for ULLMANN CO. MOBILE
7-0-0-0-0-0

[illegible][illegible]

CONTACT: 7-801-502-2000
 WWW.MCGRAW-HILL.COM
 FALL 2000



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Lucy E. Bell

2. 4. 2. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839

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| 1 | 2 | 3 | 4 |
| 10 | 11 | 12 | 13 |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
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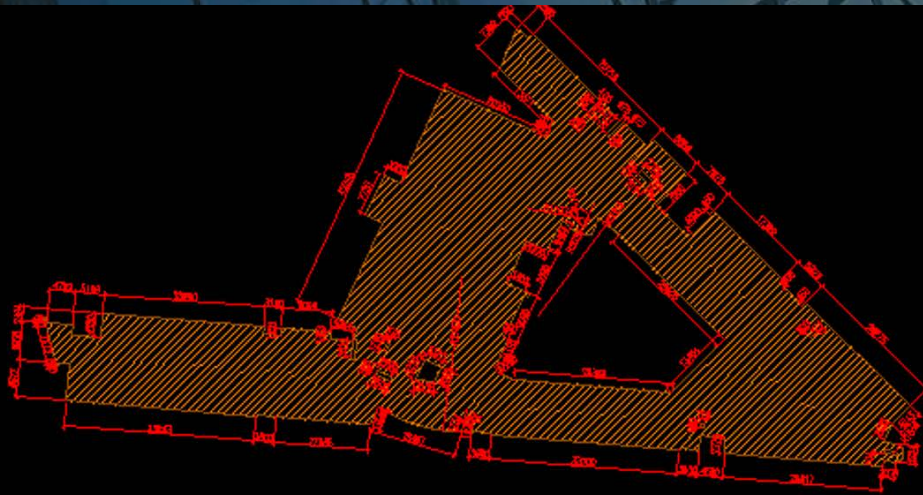
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RESEARCH



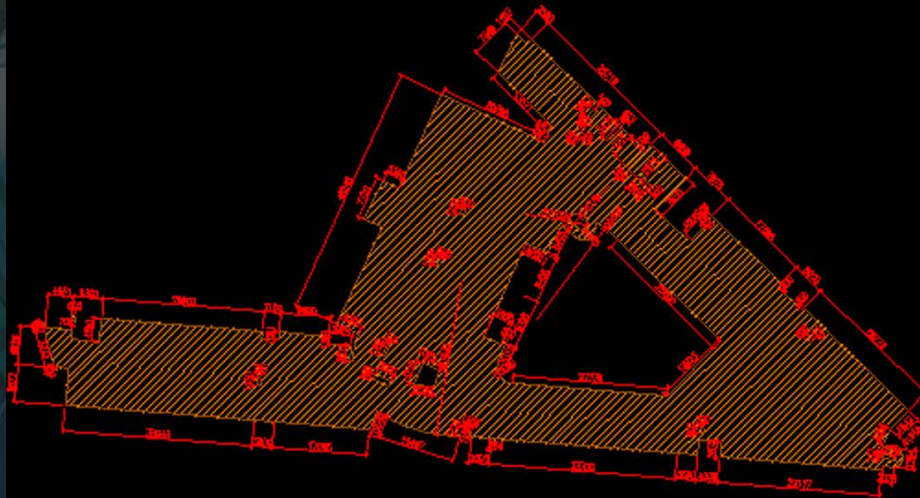
STATUTORY SUBMISSION



5/F (+40.40) GROSS FLOOR AREA DIAGRAM

5/F (+40.40) GROSS FLOOR AREA CALCULATION

| GFA PER FLOOR | | |
|---------------|------|-------------|
| LEVEL | ROOM | AREA (SQ.M) |
| LEVEL +40.40 | 1 | 4361.420 |
| | | 4361.420 |



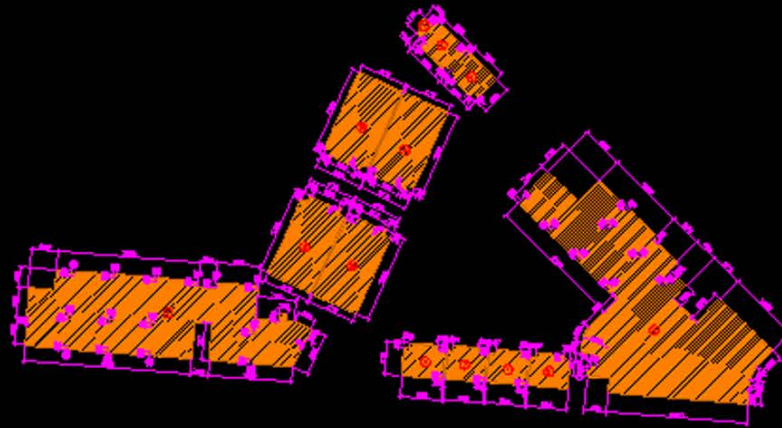
6/F (+44.25) GROSS FLOOR AREA DIAGRAM

6/F (+44.85) GROSS FLOOR AREA CALCULATION

| GFA PER FLOOR | | |
|---------------|------|-------------|
| LEVEL | ROOM | AREA (SQ.M) |
| LEVEL +44.85 | 1 | 4332.316 |
| | | 4332.316 |

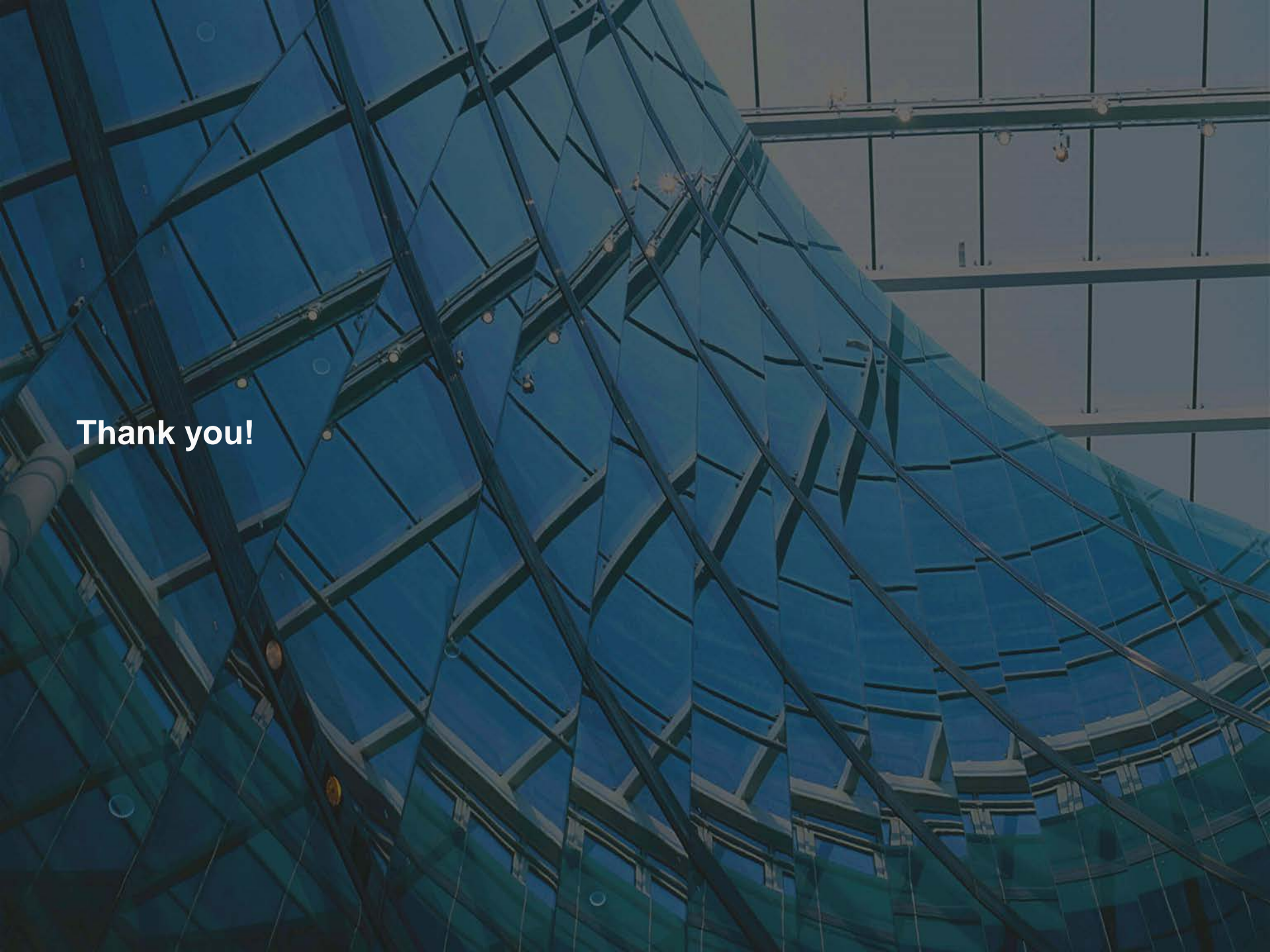
STATUTORY SUBMISSION – AREA CALCULATION

5/F (+40.40) USABLE FLOOR AREA DIAGRAM



| SCHEDULE OF PERSONS FOR MEANS OF ESCAPE | | | | | | | | | | | | | | |
|---|------|----------------|----------------------------|-----------------------|----------|---|--|-------------|------------|-------------|--------------------|------------|-----------|------------|
| LEVEL | ROOM | USE | USABLE FLOOR AREA (sq. m.) | FSD PERMITTED DENSITY | CAPACITY | MIN. NO. OF EXIT DOORS (FROM ROOM) OR EXIT ROUTES (FROM STOREY) | SCHEDULE MINIMUM NUMBER & WIDTH OF EXIT DOOR & EXIT ROUTE FROM EACH ROOM | | | | | | | |
| | | | | | | | MIN. TOTAL WIDTH OF | | | | MIN. WIDTH OF EACH | | | |
| | | | | | | | REQUIRED | | PROVIDED | | REQUIRED | | PROVIDED | |
| | | | | | | | EXIT DOORS | EXIT ROUTES | EXIT DOORS | EXIT ROUTES | EXIT DOOR | EXIT ROUTE | EXIT DOOR | EXIT ROUTE |
| LEVEL +40.40 | 1 | CLEANER'S ROOM | 6.049 | 30 | 1 | 1 | — | — | — | — | — | — | — | — |
| LEVEL +40.40 | 2 | STUDY ROOM | 49.138 | 2 | 25 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 3 | STUDY ROOM | 44.458 | 2 | 23 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 4 | LIBRARY | 1018.305 | 2 | 510 | 3 | 4500 | 4500 | 4500 | 4500 | 1200 | 1200 | 1200 | 1200 |
| LEVEL +40.40 | 5 | STUDY ROOM | 52.285 | 2 | 27 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 6 | STUDY ROOM | 52.296 | 2 | 27 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 7 | STUDY ROOM | 52.419 | 2 | 27 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 8 | STUDY ROOM | 54.764 | 2 | 28 | 2 | — | — | — | — | 750 | 1050 | 750 | 1050 |
| LEVEL +40.40 | 9 | LIBRARY | 756.991 | 2 | 380 | 2 | 3000 | 3000 | 3000 | 3000 | 1050 | 1050 | 1050 | 1050 |
| LEVEL +40.40 | 10 | LECTURE ROOM | 169.049 | 2 | 85 | 2 | 1750 | 2100 | 1750 | 2100 | 850 | 1050 | 850 | 1050 |
| LEVEL +40.40 | 11 | LECTURE ROOM | 168.813 | 2 | 85 | 2 | 1750 | 2100 | 1750 | 2100 | 850 | 1050 | 850 | 1050 |
| LEVEL +40.40 | 12 | LECTURE ROOM | 169.764 | 2 | 85 | 2 | 1750 | 2100 | 1750 | 2100 | 850 | 1050 | 850 | 1050 |
| LEVEL +40.40 | 13 | LECTURE ROOM | 170.707 | 2 | 86 | 2 | 1750 | 2100 | 1750 | 2100 | 850 | 1050 | 850 | 1050 |
| | | | 2767.018 | | 1389 | | | | | | | | | |

STATUTORY SUBMISSION –
MEANS OF ESCAPE CALCULATION



Thank you!