OWNER:

NCCU 1801 Fayetteville Street Durham, NC 27707 T. 919.530.7947 JOSHUA FREY

MECHANICAL AND ELECTRICAL ENGINEER:



ATLANTA • CHARLOTTE • GREENVILLE • RICHMOND 877.4.DEVITA • corp@devitainc.com DeVita & Associates, Inc. Project : 20200-04 NC Firm License # C-0819

ARCHITECT:

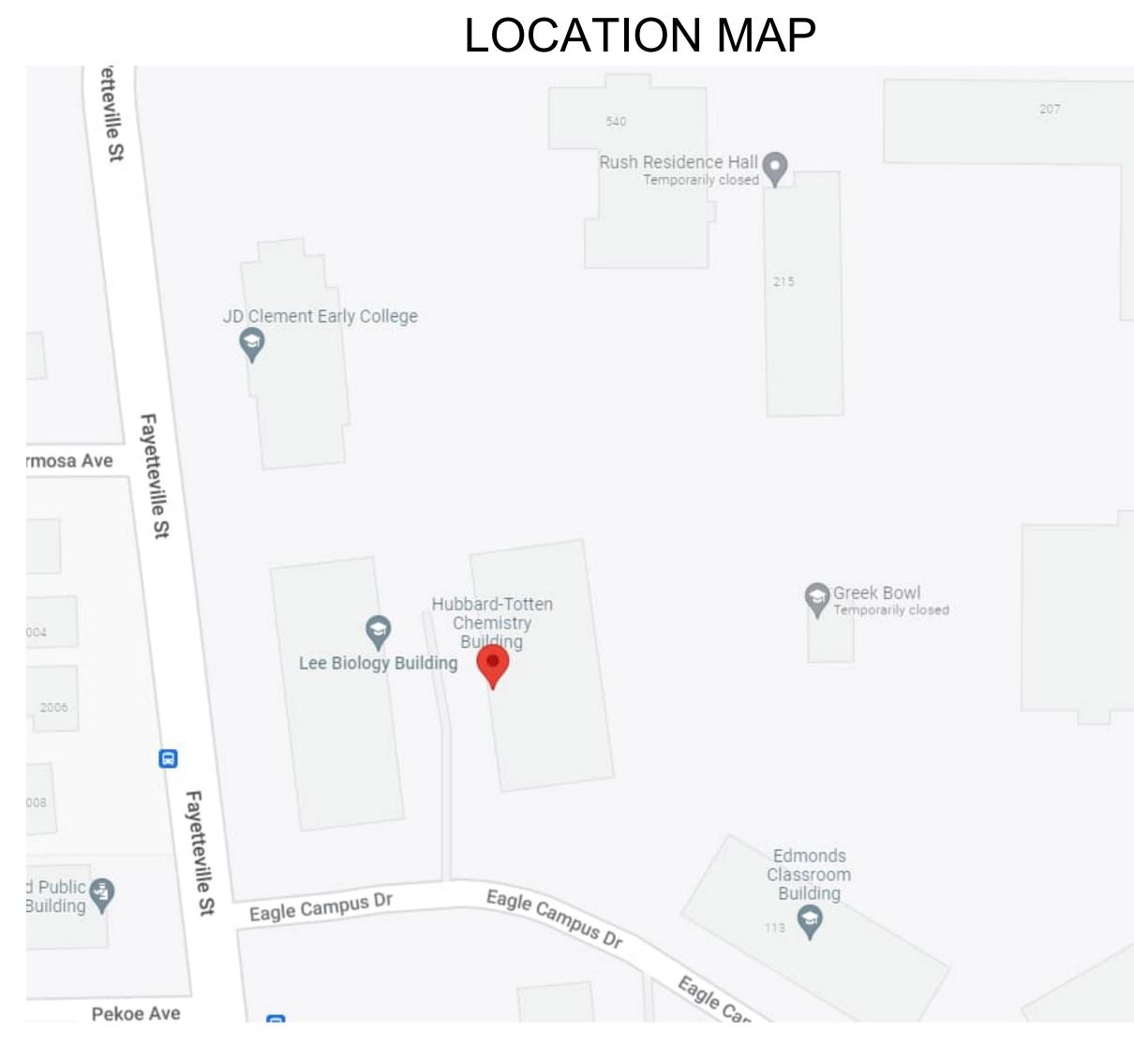


HUBBARD-TOTTEN CHEMISTRY BUILDING

ELEVATOR MODERNIZATION 1801 Fayetteville Street Durham, NC 27707

CONTRACT DOCUMENTS MAY 15, 2023 NC SCO PROJECT ID NO.: 22-25114-01A

DRAWING	INDEX		
			REVISIONS:
SHEET NUMBER	NAME	NO	DATE
G000	COVER SHEET AND DRAWING INDEX		
G001	BUILDING CODE SUMMARY, GENERAL AND ARCHITECTURAL SHEET INDEX	1	10/17/22
G002	MECHANICAL ROOM/CRAWL SPACE LEVEL LIFE SAFETY PLAN	1	10/17/22
G003	LEVEL 1 LIFE SAFETY PLAN	1	10/17/22
G004	LEVEL 2 LIFE SAFETY PLAN	1	10/17/22
G005	LEVEL 3 LIFE SAFETY PLAN	1	10/17/22
G006	ATTIC LEVEL LIFE SAFETY PLAN	1	10/17/22
G007	FIRE RESISTANCE ASSEMBLIES		
A001	GENERAL ARCHITECTURAL INFORMATION		
A002	GENERAL ADA INFORMATION	1	10/17/22
A100	OVERALL FLOOR PLANS	1	10/17/22
A410	ENLARGED PLANS - DEMOLITION		
A411	ENLARGED PLANS - NEW WORK	1	10/17/22
A601	ELEVATOR PLANS, SECTIONS & DETAILS	1	10/17/22
			•
E001	ELECTRICAL LEGEND AND NOTES	1	10/17/22
E002	ELECTRICAL DETAILS AND SCHEDULES		
E003	ELECTRICAL PANELS AND RISER DIAGRAM	1	10/17/22
E004	FIRE ALARM RISER AND NOTES		
E100	ELECTRICAL FLOOR PLANS	1	10/17/22
	•		
M001	MECHANICAL LEGEND, NOTES, AND DETAILS		
M100	MECHANICAL FLOOR PLAN		

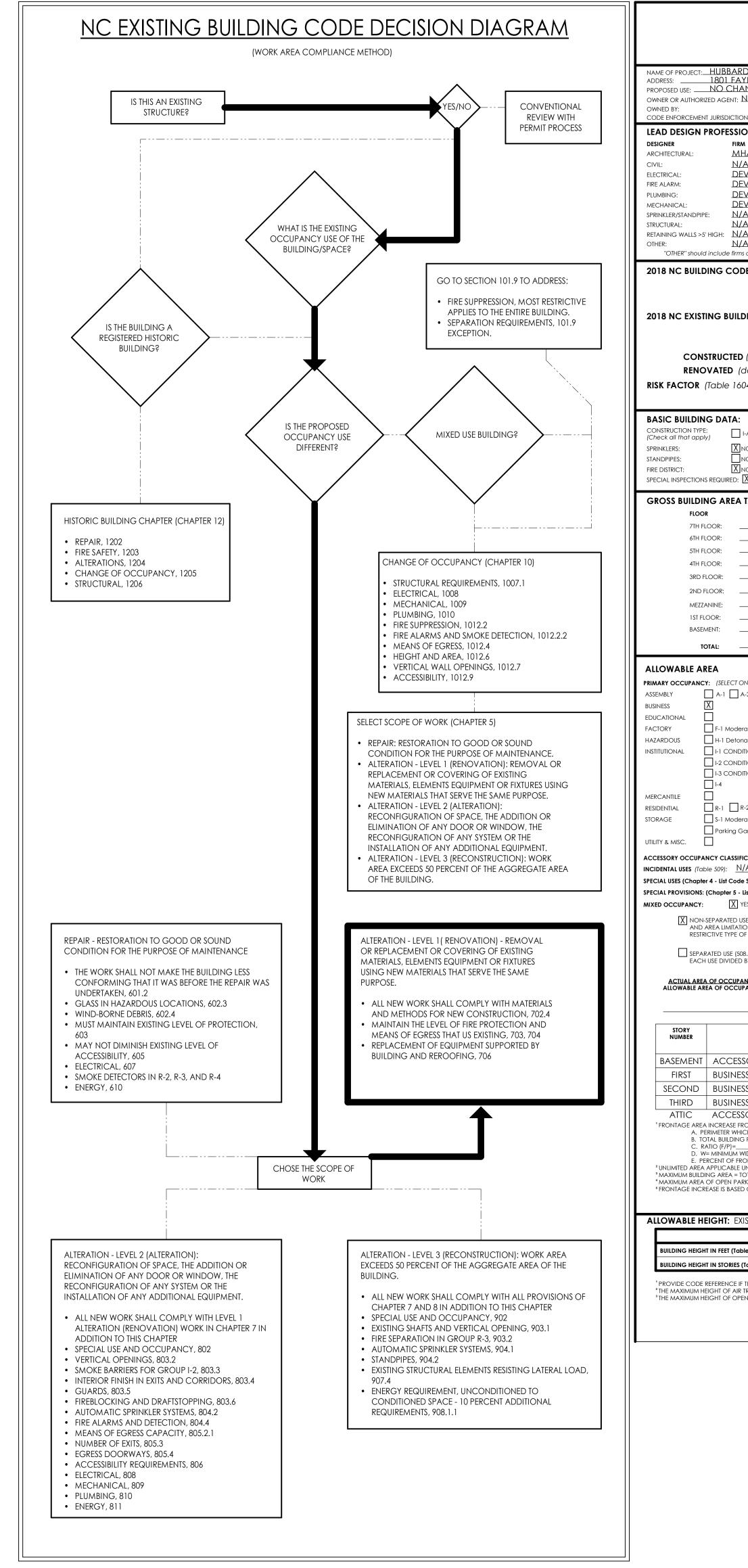




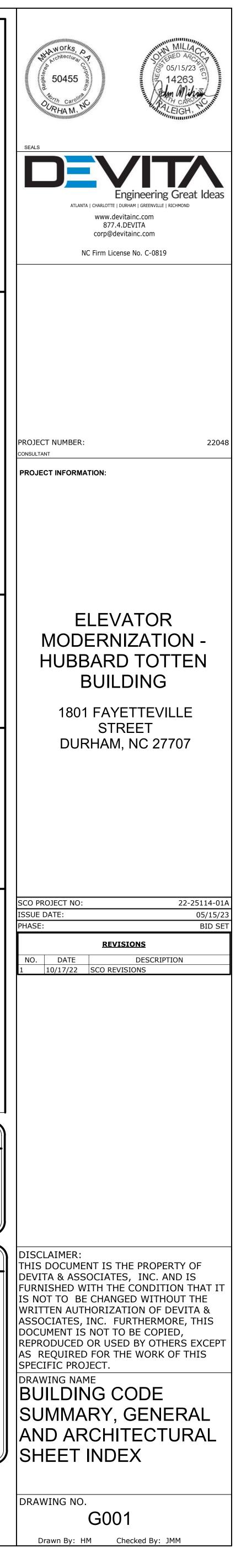
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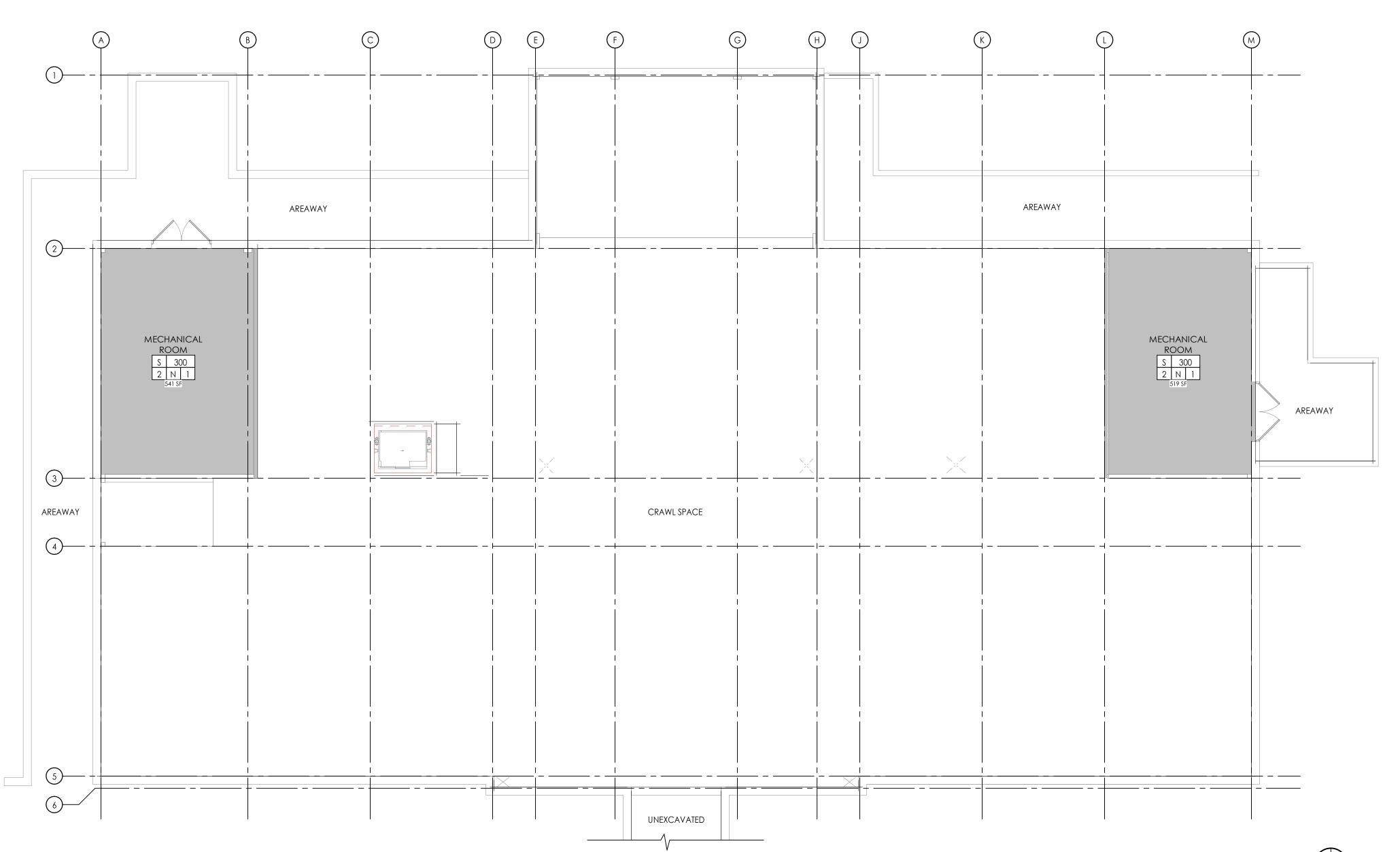




2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS	FIRE PROTECTION REQUIRE	MENTS:	RA	ATING		Notes:			ENERGY SUMMARY: EXISTING TO REMAIN UNCHANGED ENERGY REQUIREMENTS:
(EXCEPT 1 AND 2 - FAMILY DWELLINGS AND TOWNHOUSES) (REPRODUCE THE FOLLOWING DATA ON THE BUILDING PLAN SHEET 1 OR 2) RD-TOTTEN BUILDING ELEVATOR MODERNIZATION	BUILDING ELEMENT	SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/*) REDUCTION)	DETAIL # & SHEET #	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS	THE FOLLOWING DATA SHALL BE CONSIDERED MINIMUM AND ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE ENERGY CODE SHALL ALSO BE PROVIDED. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFORMATION FOR THE PLAN DATA SHEET. IF PERFORMANCE METHOD, STATE THE ANNUAL ENERGY COST FOR THE STANDARD REFERENCE DESIGN VS ANNUAL ENERGY COST FOR THE PROPOSED DESIGN.
AVETTEVILLE STREET, #125	COLUMNS, GIRDERS, TRUSSES BEARING WALLS EXTERIOR					NO	HAIT		EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO YES (THE REMAINDER OF THIS SECTION IS NOT APPLICABLE) CLIMATE ZONE 3A 4A 5A METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE PRESCRIPTIVE
CITY/COUNTY PRIVATE X STATE ON: CITY: DURHAM COUNTY: DURHAM STATE: NORTH CAROLINA IONAL JOHN MILIACCA, MHAWORKS, PA	NORTH EAST		N/A N/A	N/A N/A	N/A		N/A N/A	N/A N/A	ASHRAE 90.1
ICENSE# TELEPHONE E-Mail HAWORKS, PAJOHN MILIACCA14263(919)_682-2870_JMILIACCA@MHAWORKS.CO/ /AN/AN/AN/AN/AN/A	1 WEST		N/A		N/A N/ATT		N/A	N/A	THERMAL ENVELOPE walls below grade (each assembly) coof/ceiling assembly (each assembly) walls below grade (each assembly) description of assembly: description of assembly:
EVITA INC. KIM WOOTEN 19586 (984) 222-1551 KHUMISTON@DEVITAINC.CON EVITA INC. KIM WOOTEN 19586 (984) 222-1551 KHUMISTON@DEVITAINC.CON EVITA INC. MICHAEL ROGERS 18553 (980) 312-5305 MROGERS@DEVITAINC.COM	SOUTH INTERIOR NON-BEARING WALLS &	-	N/A 3-HR	n/a existing	existing	n/a existing	N/A EXISTING	N/A EXISTING	DESCRIPTION OF ASSEMBLY: DESCRIPTION OF ASSEMBLY: U-VALUE OF TOTAL ASSEMBLY: U-VALUE OF TOTAL ASSEMBLY: R-VALUE OF INSULATION: R-VALUE OF INSULATION: R-VALUE OF TOTAL INSULATION: R-VALUE OF TOTAL INSULATION: R-VALUE OF TOTAL ASSEMBLY
EVITA INC. MICHAEL ROGERS 18553 (980) 312-5305 MROGERS@DEVITAINC.COM /A N/A N/A N/A N/A /A N/A N/A N/A N/A	PARTITIONS EXTERIOR WALLS						GE		u-value of skylight:
/A N/A N/A N/A /A N/A N/A N/A /ns and individuals such as truss, precast, pre-engineering, interior designers, etc.) N/A N/A	EAST		0 HR 0 HR	existing existing	existing existing	EXSTING	EXISTING EXISTING	EXISTING EXISTING	DESCRIPTION OF ASSEMBLY:
DE: NEW BUILDING ADDITION RENOVATION 1 IST TIME INTERIOR COMPLETION SHELL/CORE - CONTACT THE LOCAL INSPECTION JURISDICTION FOR POSSIBLE ADDITIONAL PROCEDURES AND REQUIREMENTS	WEST SOUTH		0 HR 0 HR	existing existing	FXISTING	EXISTING EXISTING	existing existing	EXISTING EXISTING	OPENING (windows or doors with glazing) R-VALUE OF TOTAL ASSEMBL1. u-value of assembly: Horizontal / vertical requirement:
DING CODE: EXISTING: PRESCRIPTIVE REPAIR CHAPTER 14	INTERIOR WALLS AND PARTITIONS FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS & JOISTS	-	0 HR 2 HR	EXISTING	EXISTING	existing	existing	EXISTING	Solar heat gain coefficient:
LEVEL I LEVEL II LEVEL II LEVEL II HISTORIC PROPERTY CHANGE OF USE (date) 1968(ESTIMATED) CURRENT OCCUPANCY(S) (Ch. 3) GROUP B (SEE BELOW)	FLOOR CEILING ASSEMBLY		N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	STRUCTURAL DESIGN (PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE) EXISTING TO REMAIN UNCHANGED
(date) 2008 PROPOSED OCCUPANCY(S) (Ch. 3) NO CHANGE OF OCCUPANCY	ROOF CONSTRUCTION, INCLUDING BEAMS AND JOISTS ROOF CEILING ASSEMBLY	SUPPORTING	1 1/1-HR N/A	existing n/a	EXISTING N/A	EXISTING N/A	EXISTING N/A	EXISTING N/A	DESIGN LOADS: IMPORTANCE FACTORS: SNOW (b)
S04.5): Current: I III III III IV Proposed: I IIII IV : ALL LEVELS EXCEPT ATTIC / ATTIC LEVEL (MOST RESTRICTIVE GROUP)	COLUMNS SUPPORTING BEAMS SHAFT ENCLOSURES - EXIT		1-HR	1-HR	existing	existing	existing	EXISTING	LIVE LOADS: ROOF psf MEZZANINE psf
I-A XI-B II-A XII-B III-A III-B IV V-A V-B	SHAFT ENCLOSURES - OTHER CORRIDOR SEPARATION		1-HR 1-HR	2-HR 1-HR	G007	U906	U906	U906	FLOOR psf GROUND SNOW LOAD: psf WIND LOAD: ULTIMATE WIND SPEED mph (ASCE-7)
no Xyes class: I i III III wet Dry No Yes flood hazard area: Xno yes Xno yes contact the local inspection jurisdiction for additional procedures and requirements	OCCUPANCY/FIRE BARRIER SEPARA PARTY/FIRE WALL SEPARATION	TION	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	GROUND SNOW LOAD:
TABLE: EXISTING (SQ. FT.) NEW WORK AREA (SQ. FT.) SUB TOTAL	SMOKE BARRIER SEPARATION		N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A	PROVIDE THE FOLLOWING SEISMIC DESIGN PARAMETERS: RISK CATEGORY (TABLE 1604.5) I I II II II IV SPECTRAL RESPONSE ACCELERATION: Sds=%g Sd1=%g
	TENANT/DWELLING UNIT/SLEEPING UNIT SEPARATION		N/A	N/A	N/A	N/A	N/A	N/A	SPECIFICIL RESPONSE ACCELERATION: SGS
9,324 9,324 8,581 8,581	INCIDENTAL USE SEPARATION * INDICATE SECTION NUMBER PERM	TTING REDUCTI	N/A	N/A	N/A	N/A	N/A	N/A	BUILDING FRAME DUAL WITH INTERMEDIATE R/C OR SPECIAL STEEL
8,686 8,686									ANALYSIS PROCEDURE: SIMPLIFIED EQUIVALENT LATERAL FORCE DYNAMIC
8,285 8,285 1,060 1,060 35,936 ELEVATOR HOISTWAY SHAFT TABULATED 35,936	REQUIREMENTS:	emergency Li exit signs: fire alarm:			X yes X yes				
35,936 ELEVATOR HOISTWAY SHAFT TABULATED 35,936 AT ZERO (0) AREA PER 2018 NCSBC		SMOKE DETECT PANIC HARDW			X YES P X YES	artial			SOIL BEARING CAPACITIES: FIELD TEST (PROVIDE COPY OF TEST REPORT)psf
one) A-2 A-3 A-4 A-5 BASED ON GREATEST TOTAL AREA OF OCCUPANCY, SEE SHEETS G010 THROUGH G014	LIFE SAFETY PLAN REQUIRE		· 7)	LIFE SA		#:G010 THROUGH (separate schematic plan in uctore toprovided for purpo		floor/ceiling and/or roof	PRESUMPTIVE BEARING CAPACITY psf PILE SIZE, TYPE, AND CAPACITY psf
erate F-2 Low	Assumed and real property line lo Exterior wall opening area with re (705.8)				\mathbf{X}	cation of doors with delaye	ardware (1010.1.10)		MECHANICAL SUMMARY EXISTING TO REMAIN UNCHANGED
Image:	Ccupancy Use for each area a (Table 1004.1.2)	s it relates to oc	ccupant loa			cation of doors with electro	magnetic egress locks (10		MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT THERMAL ZONE WINTER DRY BULB:UNITARY
	Occupant loads for each area Exit access travel distances (1017 Common path of travel distance)		cation of doors equipped v cation of emergency escap e square footage of each f	be windows (1030)		SUMMER DRY BULB: DESCRIPTION OF UNIT INTERIOR DESIGN CONDITIONS HEATING EFFICIENCY WINTER DRY BULB: SIZE CATEGORY OF UNIT
R-2 R-3 R-4 erate S-2 Low High-piled Garage Open Enclosed Repair Garage	Dead end lengths (1020.4)	54/2) / , [*]		Ck	e square footage of each s assification I-2 (407.5)			SUMMER DRY BULB:
FICATION(S): <u>A-3, S</u>	X Maximum calculated occupant I accommodate based on egress exit door ELEVATOR HOISTV	width (1005.3)	Actual occu	pant load for eacl	h reg	ote any code exceptions or garding the items above ONENTS AND ASPECTS			BUILDING HEAT LOAD: LIST EQUIPMENT EFFICIENCIES
N/A Je Sections): N/A - List Code Sections): N/A		ITS (SECTIC	DN 1107)	: EXISTING TO	REMAIN UN	CHANGED			ELECTRICAL SUMMARY EXISTING TO REMAIN UNCHANGED
YES NO SEPARATION: HR. EXCEPTION: USE (508.3) - THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT TIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST	TOTAL UNITS ACCESS UNITS REQUIR		CCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	U	YPE A TYPE B NITS UNITS DVIDED REQUIRED	TYPE B UNITS PROVIDED	TOTAL # ACCESSIBLE UNITS PROVIDED	ELECTRICAL SYSTEM AND EQUIPMENT METHOD OF COMPLIANCE: ADDITIONAL PRESCRIPTIVE COMPLIANCE
OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING. (08.4) - SEE BELOW FOR AREA CALCULATIONS FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF D BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1.									ENERGY CODE PERFORMANCE PRESCRIPTIVE (When using the 2018 NCECC; not required for ASHRAE 90.1) ASHRAE 90.1 PERFORMANCE PRESCRIPTIVE C406.2 More Efficient Mechanical Equipment
ANCY A ACTUAL AREA OF OCCUPANCY B = < 1.00 = < 1.00									LIGHTING SCHEDULE (EACH FIXTURE TYPE) C406.3 Reduced Lighting Power Density LAMP TYPE REQUIRED IN FIXTURE C406.4 Enhanced Digital Lighting Controls NUMBER OF LAMPS IN FIXTURE C406.5 On-Site Supply of Renewable Energy
+ + $$	LOT OR PARKING TOTAL I AREA REQU	IUMBER OF PAR	PROVIDED		2 WITH 5'	CESSIBLE SPACES PROVIDED VAN SPACES 132" ACCESS AISLE	WITH 8' ACCESS AISLE	TOTAL # OF ACCESSIBLE PROVIDED	BALLAST TYPE USED IN THE FIXTURE NUMBER OF BALLASTS IN FIXTURE TOTAL WATTAGE PER FIXTURE
DESCRIPTION AND USE (A) BUILDING AREA PER STORY (ACTUAL) (A) BUILDING AREA PER STORY (ACTUAL) (A) AREA (B) TABLE 506.2 ⁴ AREA (C) AREA FOR FRONTAGE INCREASE ^{1,6} (C) AREA FOR FRONTAGE INCREASE ^{1,6} STORY OR UNLIMITED ^{2,3})	0	0)	0	0 0	0	TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED (WHOLE BUILDING OR SPACE BY SPACE) TOTAL EXTERIOR WATTAGE SPECIFIED VS ALLOWED
SSORY TO BUSINESS 1,060 37,500 NOT TAKEN 37,500 ESS AND ACCESSORY \$285 37,500 NOT TAKEN 37,500 ESS AND ACCESSORY \$686 37,500 NOT TAKEN 37,500	TOTAL: (0	0)	0	0	0	ELECTRICAL SYSTEM AND EQUIPMENT
ESS AND ACCESSORY 8,581 37,500 NOT TAKEN 37,500 SSORY TO BUSINESS 9,324 37,500 NOT TAKEN 37,500	PLUMBING FIXTURE REQUI								METHOD OF COMPLIANCE: ENERGY CODE: [x] PRESCRIPTIVE PERFORMANCE ASHRAE 90.1: PRESCRIPTIVE PERFORMANCE
FROM SECTION 506.3 ARE COMPUTED THUS: IICH FRONTS A PUBLIC WAY OR OPEN SPACE HAVING 20 FEET MINIMUM WIDTH =(F) G PERIMETER =(P) (F/P) WIDTH OF PUBLIC WAY=(W)	USE: 0 MALE	FEMAL	disets e unise	URINALS			OWERS/ TUBS 0 0		LIGHTING SCHEDULE LAMP TYPE REQUIRED IN FIXTURE SEE LIGHTING FIXTURE SCHEDULE ON E211. NUMBER OF LAMPS IN FIXTURE SEE LIGHTING FIXTURE SCHEDULE ON E211.
RONTAGE INCREASE 1 = 100 [F/P-0.25] x W/30 =(%) UNDER CONDITIONS OF SECTION 507. TOTAL NUMBER OF STORIES IN THE BUILDING x D (506.2). ARKING GARAGES MUST COMPLY WITH 406.5.4.	NEW 0 REQUIRED 0	0	0	-	0	0 0 0 0	0 0 0 0	0 0	BALLAST TYPE USED IN THE FIXTURE_ENERGY EFFICIENT, HIGH POWER FACTOR, ELECTRONIC NUMBER OF BALLASTS IN FIXTURE_1
ED ON THE UNSPRINKLERED AREA VALUE IN TABLE 506.2.	SPECIAL SPECIAL APPRO)VAL: (LOCAL J	URISDICTION	I, DEPARTMENT OF	INSURANCE, OSC	C, DPI, DHHS, ICC, ETC., DES(CRIBE BELOW)		TOTAL INTERIOR WATTAGE SPECIFIED VS. ALLOWED_USER OF ESTIMATED VS ENDINE VS ENDIN VS ENDINE VS E
XISTING TO REMAIN UNCHANGED ALLOWABLE SHOWN ON PLANS CODE REFERENCE ' table 504.3) ²									NUMBER OF PHASESN/A
(Table 504.4) ³									ADDITIONAL PRESCRIPTIVE COMPLIANCE
IF THE "SHOWN ON PLANS" QUANTITY IS NOT BASED ON TABLE 504.3 OR 504.4 R TRAFFIC CONTROL TOWERS MUST COMPLY WITH TABLE 412.3.1. PEN PARKING GARAGES MUST COMPLY WITH TABLE 406.5.5.									 □ 506.2.3 ENERGY RECOVERY VENTILATION SYSTEMS □ 506.2.4 HIGHER EFFICIENCY SERVICE WATER HEATING □ 506.2.5 ON-SITE SUPPLY OF RENEWABLE ENERGY
									□ 506.2.6 AUTOMATIC DAYLIGHTING CONTROL SYSTEMS [X] N/A
									CODE SUMMARY GENERAL NOTES
									 GOVERNING BUILDING CODE IS 2018 NORTH CAROLINA STATE EXISTING BUILDING CODE (NCSEBC). ORIGINAL BUILDING WAS DESIGNED IN 1967 AND CONSTRUCTED APPROXIMATELY BETWEEN 1967 AND 1969. IT IS ASSUMED THAT
									 PERMIT APPROVAL WAS GRANTED UNDER THE 1967 NCSBC CODE CYCLE, WITH AMENDMENTS THROUGH 1975. EXCERPTS TO THAT CODE ARE ACCESSIBLE ONLINE AT: https://www.ncosfm.gov/codes/codes-current-and-past#1967. 3. THIS PROJECT HAS BEEN DESIGNED FOR COMPLIANCE WITH 2018 NCSEBC CHAPTER 4, SECTION 403, CHAPTER 5, SECTION 503
									AND CHAPTER 7 FOR ALTERATIONS - LEVEL 1.
									GENERAL AND ARCHITECTURAL SHEET INDEX
									NO NAME ISSUED NO DATE G001 BUILDING CODE SUMMARY, GENERAL AND ARCHITECTURAL SHEET INDEX 05/15/23 1 10/17/22
									G002 MECHANICAL ROOM/CRAWL SPACE LEVEL LIFE SAFETY PLAN 05/15/23 1 10/17/22 G003 LEVEL 1 LIFE SAFETY PLAN 05/15/23 1 10/17/22 G004 LEVEL 2 LIFE SAFETY PLAN 05/15/23 1 10/17/22
									G005 LEVEL 3 LIFE SAFETY PLAN 05/15/23 1 10/17/22 G006 ATTIC LEVEL LIFE SAFETY PLAN 05/15/23 1 10/17/22
									G007 FIRE RESISTANCE ASSEMBLIES 05/15/23 A001 GENERAL ARCHITECTURAL INFORMATION 05/15/23
									A002 GENERAL ADA INFORMATION 05/15/23 1 10/17/22 A100 OVERALL FLOOR PLANS 05/15/23 1 10/17/22 A410 ENLARGED PLANS - DEMOLITION 05/15/23 1 10/17/22
									A410 ENLARGED PLANS - DEMOLITION 03/13/23 1 A411 ENLARGED PLANS - NEW WORK 05/15/23 1 10/17/22 A601 ELEVATOR PLANS, SECTIONS & DETAILS 05/15/23 1 10/17/22

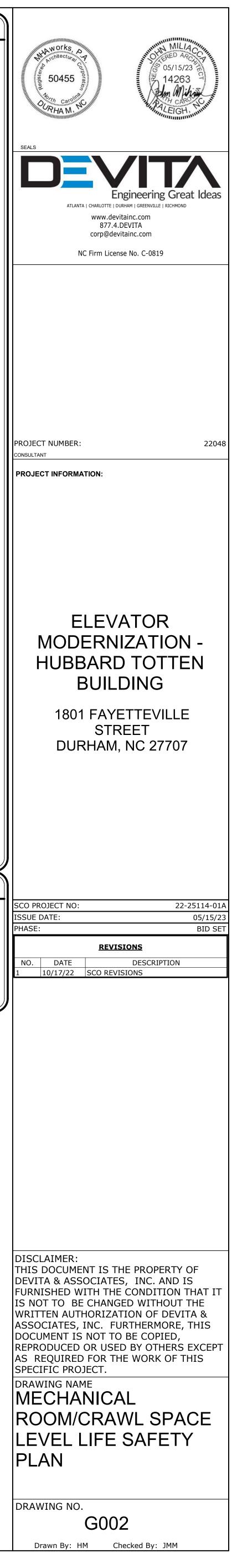


2018 NCSBC OCCU	PANCY	SCHEE	DULE - GROU	IND LEVEL		2018 NCSBC OCCU	IPANCY	SCHED	DULE - GROU	JND LEVEL	2018 NCSBC OCC	UPANCY	SCHED	ULE - GROU	JND LEVEL
AREA INFORMATION		OCCUP	OCCUP	ANCY		AREA INFORMATION		OCCUP	OCCUP	ANCY	AREA INFORMATIO	N	OCCUP	OCCUP	ANCY
			OCCUPANT	NO. OF				ANCY	OCCUPANT	NO. OF			ANCY	OCCUPANT	NO. OF
NAME	AREA	GROUP	LOAD FACTOR	OCCUPANTS	USE	NAME	AREA	GROUP	LOAD FACTOR	OCCUPANTS USE	NAME	AREA	GROUP	LOAD FACTOR	OCCUPANTS USE
	= (1.0=			1		0.551.05	100.05		100.07			100.05			
	541 SF	S	300 SF	1.803333	N	OFFICE	103 SF	В	100 SF	1 N	CORRIDOR	109 SF	B	0 SF	0 A
	519 SF	S	300 SF	1.73	N	OFFICE	111 SF	В	100 SF	1.11 N	CORRIDOR	269 SF	B	0 SF	0 A
	1060 SF			3.533333		OFFICE	100 SF	В	100 SF	1 N	CORRIDOR	237 SF	B	0 SF	0 A
SPACE LEVEL: 2	1501 05	A-3		102	_	OFFICE	98 SF	В	100 SF	1 N		284 SF	B	0 SF	0 A
	1581 SF	A-3		183	A	OFFICE	105 SF	В	100 SF	1 N	MEN'S TOILET	190 SF	В	100 SF	0 A
ALCOVE	59 SF	B	0 SF	0	A	OFFICE	157 SF	В	100 SF	2 N	OFFICE	188 SF	В	100 SF	1.88 N
ALCOVE	35 SF	B	0 SF	0	A	OFFICE	104 SF	В	100 SF	1 N	OFFICE	206 SF	В	100 SF	2.06 N
CONFERENCE	329 SF	В	100 SF	3.29	N	OFFICE	81 SF	В	100 SF	1 N	OFFICE	101 SF	В	100 SF	1.01 N
	422 SF	В	0 SF	0	A	OFFICE	112 SF	В	100 SF	1 N	OFFICE	100 SF	В	100 SF	1 N
	912 SF	В	0 SF	0	A	OFFICE	171 SF	В	100 SF	2 N	OFFICE	101 SF	В	100 SF	1.01 N
MEN'S TOILET	209 SF	B	0 SF	0	A	OFFICE	102 SF	В	100 SF	1 N	OFFICE	99 SF	В	100 SF	0.99 N
OFFICE	113 SF	В	100 SF	1.13	N	OFFICE	97 SF	В	100 SF	1 N	OFFICE	254 SF	В	100 SF	2.54 N
OFFICE	127 SF	В	100 SF	1.27	N	OFFICE	110 SF	В	100 SF	1 N	OFFICE	100 SF	В	100 SF	1 N
OFFICE	261 SF	В	100 SF	2.61	N	OFFICE	102 SF	В	100 SF	1 N	OFFICE	101 SF	В	100 SF	1.01 N
OFFICE	134 SF	В	100 SF	1.34	Ν	OFFICE	93 SF	В	100 SF	1 N	OFFICE	201 SF	В	100 SF	2.01 N
OFFICE	126 SF	В	100 SF	1.26	Ν	OFFICE	96 SF	В	100 SF	1 N	OFFICE	102 SF	В	100 SF	1.02 N
OFFICE	127 SF	В	100 SF	1.27	Ν	OFFICE	97 SF	В	100 SF	1 N	OFFICE	92 SF	В	100 SF	0.92 N
OFFICE	129 SF	В	100 SF	1.29	Ν	OFFICE	98 SF	В	100 SF	1 N	OFFICE	96 SF	В	100 SF	1 N
OFFICE	133 SF	В	100 SF	1.33	Ν	OFFICE	100 SF	В	100 SF	1 N	OFFICE	98 SF	В	100 SF	1 N
OFFICE	120 SF	В	100 SF	1.2	Ν	OFFICE	98 SF	В	100 SF	1 N	OFFICE	94 SF	В	100 SF	1 N
OFFICE	350 SF	В	100 SF	3.5	Ν	OFFICE	98 SF	В	100 SF	1 N	OFFICE	301 SF	В	100 SF	3.01 N
OFFICE	190 SF	В	100 SF	1.9	Ν	OFFICE	99 SF	В	100 SF	1 N	OFFICE	192 SF	В	100 SF	1.92 N
OFFICE	160 SF	В	100 SF	1.6	Ν	OFFICE	104 SF	В	100 SF	1 N	OFFICE	108 SF	В	100 SF	1.08 N
OFFICE	198 SF	В	100 SF	1.98	Ν	OFFICE	103 SF	В	100 SF	1 N	OFFICE	107 SF	В	100 SF	1.07 N
OFFICE	130 SF	В	100 SF	1.3	Ν	OFFICE	230 SF	В	100 SF	2.3 N	OFFICE	126 SF	В	100 SF	1.26 N
OFFICE	132 SF	В	100 SF	1.32	Ν	OFFICE	167 SF	В	100 SF	1.67 N	OFFICE	117 SF	В	100 SF	1.17 N
OFFICE	129 SF	В	100 SF	1.29	Ν	OFFICE	184 SF	В	100 SF	2 N	OFFICE	271 SF	В	100 SF	2.71 N
OFFICE	127 SF	В	100 SF	1.27	Ν	OFFICE	170 SF	В	100 SF	2 N	PASSAGE	112 SF	В	0 SF	0 A
Passage	221 SF	В	0 SF	0	А	OFFICE	244 SF	В	100 SF	2.44 N	RECEPTION	500 SF	В	0 SF	0 A
Passage	217 SF	В	0 SF	0	А	PASSAGE	213 SF	В	0 SF	0 A	RECEPTION	79 SF	В	0 SF	0 A
PLAN ROOM	748 SF	В	100 SF	7.48	Ν	PASSAGE	185 SF	B	0 SF	0 A	RECEPTION	75 SF	B	0 SF	0 A
VESTIBULE	37 SF	В	0 SF	0	А	PASSAGE	152 SF	B	0 SF	0 A	RECEPTION	80 SF	B	0 SF	0 A
VESTIBULE	76 SF	В	0 SF	0	А	SUITE	229 SF	B	0 SF	0 A	RECEPTION	109 SF	B	0 SF	0 A
WOMEN'S TOILET	199 SF	В	100 SF	0	А	SUITE	317 SF	B	0 SF	0 A	WOMEN'S TOILET	190 SF	B	100 SF	0 A
WORKROOM	195 SF	В	100 SF	1.95	Ν	SUITE	376 SF	B	0 SF	0 A	CLOSET	39 SF	S	300 SF	1 N
C.C	26 SF	S	300 SF	1	А	TEMP STAFF	126 SF	B	100 SF	1 N	CLOSET	46 SF	S S	300 SF	1 N
CLOSET	31 SF	S	300 SF	1	A	TRAINING ROOM	665 SF	B	100 SF	6.65 N	CLOSET	38 SF	5 S	300 SF	1 A
LT.	46 SF	S	300 SF	1	N	WOMEN'S TOILET	196 SF	B	100 SF	0.00 A	CLOSET	33 SF	5 5	300 SF	1 // A
STORAGE	82 SF	S	300 SF	1	A	CLOSET	51 SF	S	300 SF	1 A		137 SF	5 C	300 SF	1 A
STORAGE	74 SF	S	300 SF	1	N	CLOSET	81 SF	S S	300 SF	1 A	STORAGE	186 SF	5 C	300 SF	1 N
STORAGE	71 SF	S	300 SF	1	N		60 SF	 с	300 SF	1 N	STORAGE	66 SF	<u> </u>	300 SF	+
STORAGE	29 SF	S	300 SF	1	N	CLOSET		5 C					<u> </u>		1 A
LEVEL 1: 38	8285 SF	5	000 01	229.58		FILES	354 SF	S	300 SF	1.18 N	STORAGE	130 SF	<u> </u>	300 SF	1 N
ALCOVE	32 SF	B	0 SF	227.30	A		67 SF	5	300 SF	1 N	STORAGE	105 SF	5	300 SF	1 N
ALCOVE	36 SF		0 SF	0	~	LEVEL 2: 51	8590 SF		0.05	52.53	STORAGE	59 SF	5	300 SF	1 A
		D			<u> </u>	ALCOVE	32 SF	B	0 SF	0 A	STORAGE	71 SF	5	300 SF	
	76 SF		0 SF	0		CONFERENCE	405 SF	B	100 SF	4.05 N	LEVEL 3: 52	8467 SF		000.07	50.53
	218 SF		100 SF	2.18		CONFERENCE	203 SF	В	100 SF	2.03 N		73 SF	S	300 SF	1 N
	854 SF	В	0 SF	0	A 	CONFERENCE	178 SF	В	100 SF	1.78 N	MECHANICAL	9251 SF	S	300 SF	30.82 N
	556 SF	L B	0 SF	0	A	CORRIDOR	855 SF	В	0 SF	0 A	ATTIC LEVEL: 2	9324 SF			31.82
	22 SF	L B	300 SF		A	CORRIDOR	317 SF	В	0 SF	0 A	Total Occupants	35725 SF			367.993333
MEN'S TOILET	187 SF	B	100 SF	0	А	CORRIDOR	178 SF	В	0 SF	0 A					

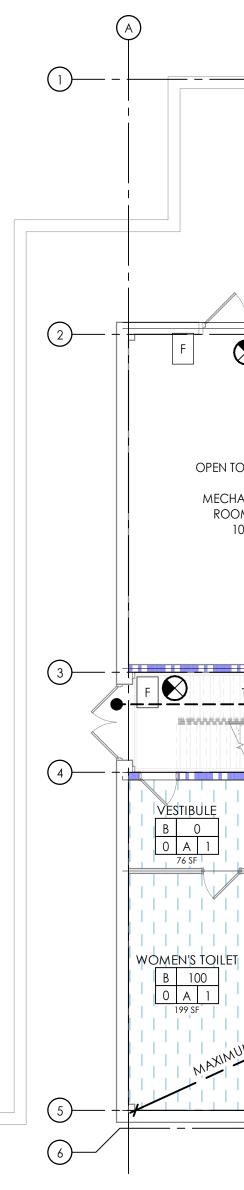


1 MECHANICAL ROOM/CRAWL SPACE LEVEL - LIFE SAFETY PLAN

OF DRAWINGS ARE FOR NOT REPRESENT THE ACTUAL NCLUDING THE LIFE SAFETY DRAWINGS, FOR ACTUAL TION REQUIREMENTS. EGEND OCCUPANT LOAD FACTOR PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
DRAWINGS, FOR ACTUAL TION REQUIREMENTS. DOL: OCCUPANT LOAD FACTOR PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
TION REQUIREMENTS. EGEND OCCUPANT LOAD FACTOR PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
OCCUPANT LOAD FACTOR PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
 OCCUPANT LOAD FACTOR PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
PER TABLE 1004.1.2 MIN # OF EXITS PER TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
TABLE 1006.2.1 ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
I - INCIDENTAL A - ACCESSORY N - NONE STAIR DESIGNATION CLEAR EXIT WIDTH
CLEAR EXIT WIDTH
CLEAR EXIT WIDTH
— MAXIMUM OCCUPANT LOA
OPERTY LINE
OPERTY LINE SUMED PROPERTY LINE
= XX' - X''
TANCE = XX' - X''
DISTANCE = XX' - X''
EEN EXITS = 33' - 0"
STANCE = 33' - 0''
LEGEND
03 FOR PARTITION SCHEDULE.
2
-
PE LEGEN

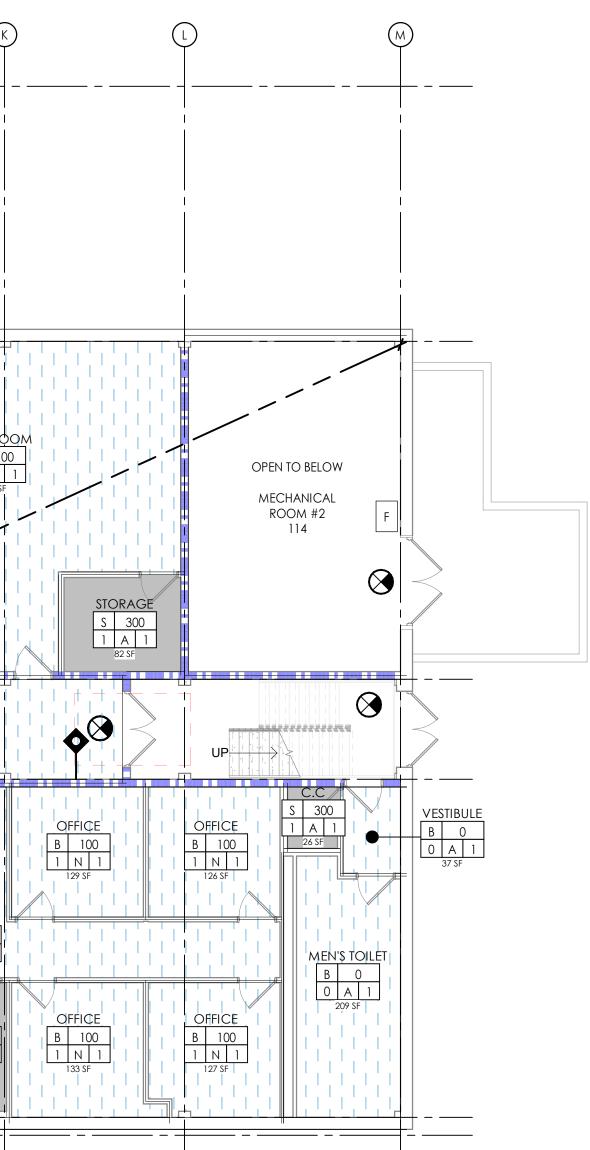


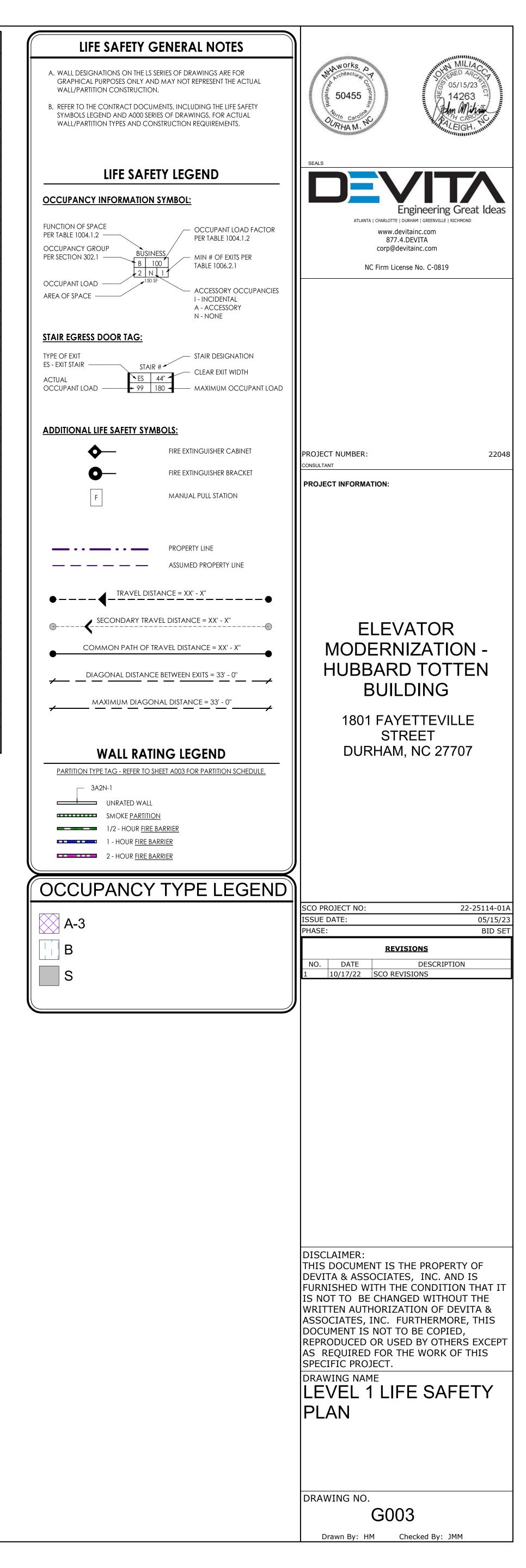
CHANICAL ROOM 519 s CHANICAL ROOM/CRAWL 1060 ACE LEVEL: 2 1060 CTURE HALL 1581 COVE 59 s COVE 35 s ONFERENCE 329 s ORRIDOR 422 s ORRIDOR 912 s N'S TOILET 209 s FICE 113 s FICE 127 s FICE 124 s FICE 127 s FICE 126 s FICE 127 s FICE 126 s FICE 127 s FICE 126 s FICE 120 s FICE 133 s FICE 120 s FICE 130 s FICE 130 s FICE 120 s FICE 190 s FICE 160 s FICE 160 s FICE 160 s	1 SF S 9 SF S 9 SF S 30 SF B 31 SF A-3 9 SF B 5 SF B 9 SF B 2 SF B 2 SF B 2 SF B 3 SF B 7 SF B 1 SF B 4 SF B 6 SF B 7 SF B 3 SF B 7 SF B 3 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B	OCCUP OCCUPANT LOAD FACTOR 300 SF 300 SF 300 SF 0 SF 0 SF 0 SF 0 SF 0 SF 0 SF 100 SF 0 SF 100 SF	NO. OF USE 1.803333 N 1.73 N 3.533333 N 183 A 0 A 0 A 0 A 0 A 0 A 1.13 N 1.13 N 1.27 N 1.13 N 1.27 N 1.27 N 1.27 N 1.27 N 1.26 N 1.27 N 1.26 N 1.27 N 1.34 N 1.27 N 1.27 N 1.27 N 1.27 N 1.27 N 1.29 N 1.33 N	AREA INFORM NAME OFFICE	AREA AN GR 103 SF 111 SF 100 SF 98 SF 105 SF 105 SF 105 SF 105 SF 104 SF 81 SF 112 SF 102 SF 102 SF 110 SF 102 SF 93 SF	CUP ICY OUP OCC OCCUPAN LOAD FACTO B 100 SF B 100 SF		AREA INFO NAME CORRIDOR CORRIDOR CORRIDOR CORRIDOR CORRIDOR MEN'S TOILET OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	AREA 109 SF 269 SF 237 SF 284 SF 190 SF 188 SF 206 SF 101 SF 100 SF 101 SF 101 SF 101 SF 100 SF 101 SF 100 SF 101 SF 101 SF 100 SF 101 SF 100 SF 100 SF	OCCUP ANCY GROUP	OCCUPANT OCCUPANT LOAD FACTOR 0 SF 0 SF 0 SF 100 SF	NO. OF
CHANICAL ROOM 541 state CCHANICAL ROOM/CRAWL 1060 ACE LEVEL: 2 1060 CTURE HALL 1581 COVE 59 state COVE 35 state ONFERENCE 329 state ORRIDOR 422 state ORRIDOR 912 state N'S TOILET 209 state FICE 113 state FICE 127 state FICE 126 state FICE 127 state FICE 126 state FICE 126 state FICE 126 state FICE 127 state FICE 128 state FICE 129 state FICE 120 state	1 SF S 9 SF S 9 SF S 30 SF B 31 SF A-3 9 SF B 5 SF B 9 SF B 2 SF B 2 SF B 2 SF B 3 SF B 7 SF B 1 SF B 4 SF B 6 SF B 7 SF B 3 SF B 7 SF B 3 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B	300 SF 300 SF 300 SF 0 SF 0 SF 0 SF 0 SF 0 SF 100 SF	1.803333 N 1.73 N 3.533333 A 0 A 0 A 0 A 3.29 N 0 A 0 A 0 A 1.13 N 1.27 N 1.34 N 1.27 N 1.26 N 1.27 N 1.26 N 1.27 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	103 SF 111 SF 100 SF 98 SF 105 SF 104 SF 81 SF 112 SF 171 SF 102 SF 97 SF 110 SF 102 SF 93 SF	B 100 SF	1 N 1.11 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N	CORRIDOR CORRIDOR CORRIDOR CORRIDOR MEN'S TOILET OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	109 SF 269 SF 237 SF 284 SF 190 SF 188 SF 206 SF 101 SF 100 SF 101 SF 254 SF 100 SF 100 SF	GROUP B <th>0 SF 0 SF 0 SF 0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF</th> <th>0 0 0 0 1.88 2.06 1.01 1 1.01 0.99</th>	0 SF 0 SF 0 SF 0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	0 0 0 0 1.88 2.06 1.01 1 1.01 0.99
CHANICAL ROOM 519 st CHANICAL ROOM/CRAWL 1060 CE LEVEL: 2 1060 TURE HALL 1581 COVE 59 st COVE 35 st SOVE 329 st RRIDOR 422 st RRIDOR 912 st ICE 113 st ICE 127 st ICE 126 st ICE 127 st ICE 126 st ICE 126 st ICE 127 st ICE 126 st ICE 126 st ICE 120 st ICE 133 st ICE 120 st	9 SF S 30 SF 31 SF A-3 31 SF A-3 9 SF B 5 SF B 9 SF B 2 SF B 2 SF B 3 SF B 3 SF B 3 SF B 4 SF B 6 SF B 7 SF B 3 SF B 6 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B	300 SF 0 SF 0 SF 0 SF 0 SF 0 SF 0 SF 100 SF	1.73 N 3.533333 A 0 A 0 A 0 A 0 A 3.29 N 0 A 0 A 0 A 1.13 N 1.27 N 1.34 N 1.26 N 1.27 N 1.26 N 1.27 N 1.26 N 1.27 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	111 SF 100 SF 98 SF 105 SF 105 SF 105 SF 104 SF 81 SF 112 SF 171 SF 102 SF 97 SF 110 SF 102 SF 97 SF 102 SF 97 SF 102 SF 97 SF 102 SF 97 SF 102 SF 93 SF	B 100 SF	1.11 N 1 N 1 N 1 N 2 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N	CORRIDOR CORRIDOR CORRIDOR MEN'S TOILET OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	269 SF 237 SF 284 SF 190 SF 188 SF 206 SF 101 SF 100 SF 101 SF 99 SF 254 SF 100 SF	B B B B B B B B B B B B B B B B B B	0 SF 0 SF 0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	0 0 0 1.88 2.06 1.01 1 1.01 0.99
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CE LEVEL: 2 1060 TURE HALL 1581 COVE 59 S COVE 35 S NFERENCE 329 S RRIDOR 422 S RRIDOR 912 S V'S TOILET 209 S ICE 113 S ICE 127 S ICE 124 S ICE 127 S ICE 127 S ICE 127 S ICE 127 S ICE 126 S ICE 127 S ICE 126 S ICE 126 S ICE 127 S ICE 120 S ICE 140 S ICE 160 S ICE 160 S ICE 160 S ICE 160 S <td>B1 SF A-3 P SF B 5 SF B 9 SF B 2 SF B 2 SF B 2 SF B 3 SF B 3 SF B 4 SF B 6 SF B 7 SF B 3 SF B 6 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B</td> <td>0 SF 100 SF 0 SF 0 SF 100 SF</td> <td>183 A 0 A 0 A 0 A 3.29 N 0 A 0 A 0 A 0 A 0 A 1.13 N 1.27 N 1.34 N 1.26 N 1.27 N 1.26 N 1.27 N</td> <td>OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE</td> <td>98 SF 105 SF 157 SF 104 SF 81 SF 112 SF 171 SF 102 SF 97 SF 110 SF 102 SF 93 SF</td> <td>B 100 SF B 100 SF</td> <td>2 N 1 N 1 N 1 N 1 N</td> <td>CORRIDOR MEN'S TOILET OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE</td> <td>284 SF 190 SF 188 SF 206 SF 101 SF 100 SF 101 SF 99 SF 254 SF 100 SF</td> <td>B B B B B B B B B B B B B</td> <td>0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF</td> <td>2.06 1.01 1 1.01 0.99</td>	B1 SF A-3 P SF B 5 SF B 9 SF B 2 SF B 2 SF B 2 SF B 3 SF B 3 SF B 4 SF B 6 SF B 7 SF B 3 SF B 6 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B	0 SF 100 SF 0 SF 0 SF 100 SF	183 A 0 A 0 A 0 A 3.29 N 0 A 0 A 0 A 0 A 0 A 1.13 N 1.27 N 1.34 N 1.26 N 1.27 N 1.26 N 1.27 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	98 SF 105 SF 157 SF 104 SF 81 SF 112 SF 171 SF 102 SF 97 SF 110 SF 102 SF 93 SF	B 100 SF	2 N 1 N 1 N 1 N 1 N	CORRIDOR MEN'S TOILET OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	284 SF 190 SF 188 SF 206 SF 101 SF 100 SF 101 SF 99 SF 254 SF 100 SF	B B B B B B B B B B B B B	0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	2.06 1.01 1 1.01 0.99
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.COVE 35 S ONFERENCE 329 S ORRIDOR 422 S ORRIDOR 912 S EN'S TOILET 209 S FFICE 113 S FFICE 127 S FFICE 134 S FFICE 126 S FFICE 127 S FFICE 126 S FFICE 126 S FFICE 126 S FFICE 127 S FFICE 120 S FFICE 120 S FFICE 133 S FFICE 130 S FFICE 120 S FFICE 130 S FFICE 130 S FFICE 120 S FFICE 190 S FFICE 160 S FFICE 198 S	5 SF B 9 SF B 2 SF B 2 SF B 2 SF B 3 SF B 3 SF B 7 SF B 4 SF B 6 SF B 7 SF B 3 SF B 0 SF B 0 SF B 0 SF B	0 SF 100 SF 0 SF 0 SF 100 SF	0 A 3.29 N 0 A 0 A 0 A 1.13 N 1.27 N 2.61 N 1.34 N 1.26 N 1.27 N 1.28 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	104 SF 81 SF 112 SF 171 SF 102 SF 97 SF 110 SF 102 SF 93 SF	B 100 SF	2 N 1 N 1 N 1 N 1 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	206 SF 101 SF 100 SF 101 SF 99 SF 254 SF 100 SF	B B B B B B B B B	100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	2.06 1.01 1 1.01 0.99
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ORRIDOR 912 S EN'S TOILET 209 S FFICE 113 S FFICE 127 S FFICE 261 S FFICE 134 S FFICE 126 S FFICE 126 S FFICE 127 S FFICE 126 S FFICE 127 S FFICE 127 S FFICE 126 S FFICE 127 S FFICE 120 S FFICE 133 S FFICE 120 S FFICE 190 S FFICE 160 S FFICE 198 S	2 SF B 9 SF B 3 SF B 7 SF B 1 SF B 4 SF B 6 SF B 7 SF B 3 SF B 0 SF B 0 SF B	0 SF 0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	0 A 0 A 1.13 N 1.27 N 2.61 N 1.34 N 1.26 N 1.27 N 1.26 N 1.27 N 1.28 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	171 SF 102 SF 97 SF 110 SF 102 SF 93 SF	B 100 SF	1 N 2 N 1 N 1 N 1 N 1 N 1 N 1 N	OFFICE OFFICE OFFICE OFFICE	101 SF 99 SF 254 SF 100 SF	B B B B B	100 SF 100 SF 100 SF	0.99
EN'S TOILET 209 S FFICE 113 S FFICE 127 S FFICE 261 S FFICE 134 S FFICE 126 S FFICE 126 S FFICE 127 S FFICE 126 S FFICE 127 S FFICE 120 S FFICE 133 S FFICE 130 S FFICE 190 S FFICE 160 S FFICE 198 S	9 SF B 3 SF B 7 SF B 1 SF B 4 SF B 6 SF B 7 SF B 9 SF B 3 SF B 0 SF B 0 SF B	0 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF 100 SF	0 A 1.13 N 1.27 N 2.61 N 1.34 N 1.26 N 1.27 N 1.28 N	OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE	102 SF 97 SF 110 SF 102 SF 93 SF	B 100 SF B 100 SF B 100 SF B 100 SF	2 N 1 N 1 N 1 N 1 N 1 N	OFFICE OFFICE OFFICE	99 SF 254 SF 100 SF	B B B B	100 SF 100 SF	0.99
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FFICE 129 S FFICE 133 S FFICE 120 S FFICE 350 S FFICE 190 S FFICE 160 S FFICE 198 S	9 SF B 3 SF B 0 SF B 0 SF B	100 SF 100 SF	1.29 N		96 SF	B 100 SF	1 N	OFFICE	102 SF	В	100 SF	1.02
FFICE 133 \$ FFICE 120 \$ FFICE 350 \$ FFICE 190 \$ FFICE 160 \$ FFICE 198 \$	3 SF B 0 SF B 0 SF B	100 SF			97 SF	B 100 SF	1 N	OFFICE	92 SF	В	100 SF	0.92
FFICE 120 \$ FFICE 350 \$ FFICE 190 \$ FFICE 160 \$ FFICE 198 \$	O SF B O SF B		1.33 N	OFFICE	98 SF	B 100 SF	1 N	OFFICE	96 SF	В	100 SF	1
FFICE 350 % FFICE 190 % FFICE 160 % FFICE 198 %	O SF B	100 SF		OFFICE	100 SF	B 100 SF	1 N	OFFICE	98 SF	В	100 SF	1
FFICE 190 S FFICE 160 S FFICE 198 S			1.2 N	OFFICE	98 SF	B 100 SF	1 N	OFFICE	94 SF	В	100 SF	1
FFICE 160 \$ FFICE 198 \$	OSF B	100 SF	3.5 N	OFFICE	98 SF	B 100 SF	1 N	OFFICE	301 SF	В	100 SF	3.01
FICE 1983		100 SF	1.9 N	OFFICE	99 SF	B 100 SF	1 N	OFFICE	192 SF	В	100 SF	1.92
	O SF B	100 SF	1.6 N	OFFICE	104 SF	B 100 SF	1 N	OFFICE	108 SF	В	100 SF	1.08
	8 SF B	100 SF	1.98 N	OFFICE	103 SF	B 100 SF	1 N	OFFICE	107 SF	В	100 SF	1.07
FICE 130 S	O SF B	100 SF	1.3 N	OFFICE	230 SF	B 100 SF	2.3 N	OFFICE	126 SF	В	100 SF	1.26
FFICE 132 S	2 SF B	100 SF	1.32 N	OFFICE		B 100 SF	1.67 N	OFFICE	117 SF	В	100 SF	1.17
FFICE 129 S	9 SF B	100 SF	1.29 N	OFFICE		B 100 SF	2 N	OFFICE	271 SF	В	100 SF	2.71
FFICE 127 S	7 SF B	100 SF	1.27 N	OFFICE		B 100 SF	2 N	PASSAGE	112 SF	В	0 SF	0
ASSAGE 221 S	1 SF B	0 SF	0 A	OFFICE		B 100 SF	2.44 N	RECEPTION	500 SF	В	0 SF	0
ASSAGE 217 S	7 SF B	0 SF	0 A	PASSAGE		B O SF	0 A	RECEPTION	79 SF	В	0 SF	0
AN ROOM 748 S	8 SF B	100 SF	7.48 N	PASSAGE		B O SF	0 A	RECEPTION	75 SF	В	0 SF	0
ESTIBULE 37 S	'SF B	0 SF	0 A	PASSAGE		B O SF	0 A	RECEPTION	80 SF	B	0 SF	0
ESTIBULE 76 S	SF B	0 SF	0 A	SUITE		B O SF	0 A	RECEPTION	109 SF	B	0 SF	0
OMEN'S TOILET 199 S	9 SF B	100 SF	0 A	SUITE		B O SF	0 A	WOMEN'S TOILET	190 SF	B	100 SF	0
ORKROOM 1953	5 SF B	100 SF	1.95 N	SUITE		B O SF	0 A	CLOSET	39 SF	S	300 SF	1
.C 26 S	SF S	300 SF	1 A	TEMP STAFF		B 100 SF	1 N	CLOSET	46 SF	S	300 SF	1
_OSET 31 S		300 SF	1 A	TRAINING ROOM	665 SF	B 100 SF	6.65 N	CLOSET	38 SF	S	300 SF	1
. 46 S		300 SF	1 N	WOMEN'S TOILET		B 100 SF	0 A	CLOSET	33 SF	S	300 SF	1
ORAGE 82 S		300 SF	1 A	CLOSET	51 SF	S 300 SF	1 A		137 SF	S S	300 SF	1
ORAGE 74 S		300 SF	1 N	CLOSET		S 300 SF	1 N	STORAGE	186 SF	S	300 SF	1
ORAGE 71 S		300 SF	1 N	CLOSET	60 SF	S 300 SF	1 N	STORAGE	66 SF	S	300 SF	1
ORAGE 29 S		300 SF	1 N	FILES	354 SF	S 300 SF	1.18 N	STORAGE	130 SF	S	300 SF	1
VEL 1: 38 8285			229.58		67 SF	S 300 SF	1.10 N	STORAGE	105 SF	5	300 SF	1
COVE 32 S		0 SF	0 A	LEVEL 2: 51	8590 SF	3 000 31	52.53	STORAGE	59 SF	5	300 SF	1
COVE 36 S		0 SF	0 A	ALCOVE	32 SF	B O SF	0 A	STORAGE	71 SF	5	300 SF	1
.COVE 76 S		0 SF		CONFERENCE	405 SF	B 100 SF	4.05 N	LEVEL 3: 52	8467 SF	ാ	JUU 3F	50.53
DNFERENCE 218 S		100 SF	2.18 N	CONFERENCE	203 SF	B 100 SF	2.03 N	ELEV EQUIP RM	73 SF	c	300 SF	1
ORRIDOR 854		0 SF	0 A	CONFERENCE	178 SF	B 100 SF		MECHANICAL	9251 SF	<u></u> с	300 SF 300 SF	30.82
ORRIDOR 556 S		0 SF	0 A				1.78 N			3	JUU 3F	
JSTODIAL CLOSET 22 S		300 SF			855 SF	B OSF	0 A	ATTIC LEVEL: 2	9324 SF			31.82
EN'S TOILET 187 S		100 SF	0 A		317 SF	B O SF	0 A 0 A	Total Occupants	35725 SF			367.99333
				CORRIDOR	178 SF	B O SF	UA					
	\bigcirc	В	¢		F	G	H J	K			M	



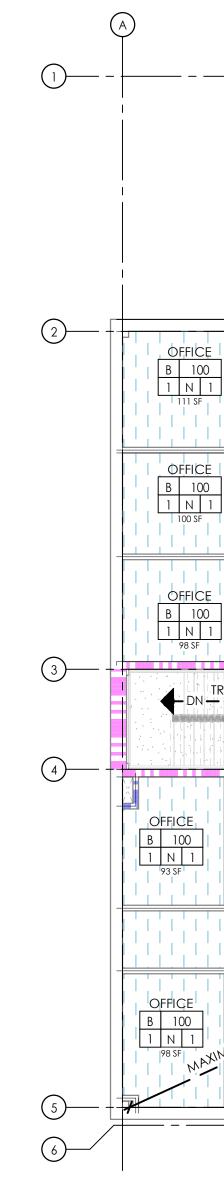


							-			
TRAVEL DISTANCE = 64-5" UP CORRIDOR B 0 0 1		B 100 2 N 1 195 SF 1.T. S 300 ALCOVE 1 N 1 B 0 0 A 1 -59 SF	B 100 1 N 1 N 1 N 1 N 1 N 1 N 1 N 1 N 0 FFICE B 100 3 N 261 SF 0 S 300 1 1 N 1 N 1 N 1 N 1 N 1 N 1 29 SF SF	B 0 0 A 1 35 SF	A-3 183 A 2 1581 SF			B 100 1 N 1 134 SF	B 100 7 N	
OFFICE PASSAGE B 00 1 N1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						CORRIDOR B 0 0 A 1				
	AIMUM DIA GONAL DI HILET HIL	B 100 1 N 1 129 SF SVANCE 15Å 6 OFFICE B 100 1 N 1 130 SF	B 0 0 A 217 SF OFFICE B 100 2 N 1 198 SF 1 198 SF 5 300 1 N 1 N	B 100 2 N 1 160 SF ¹		OFFICE	S 300 1 A 1 31 SF 	B 100 1 N 1	B 0 0 A 1 221 SF STORAGE S 300 1 N 1	
								<u>}</u>		



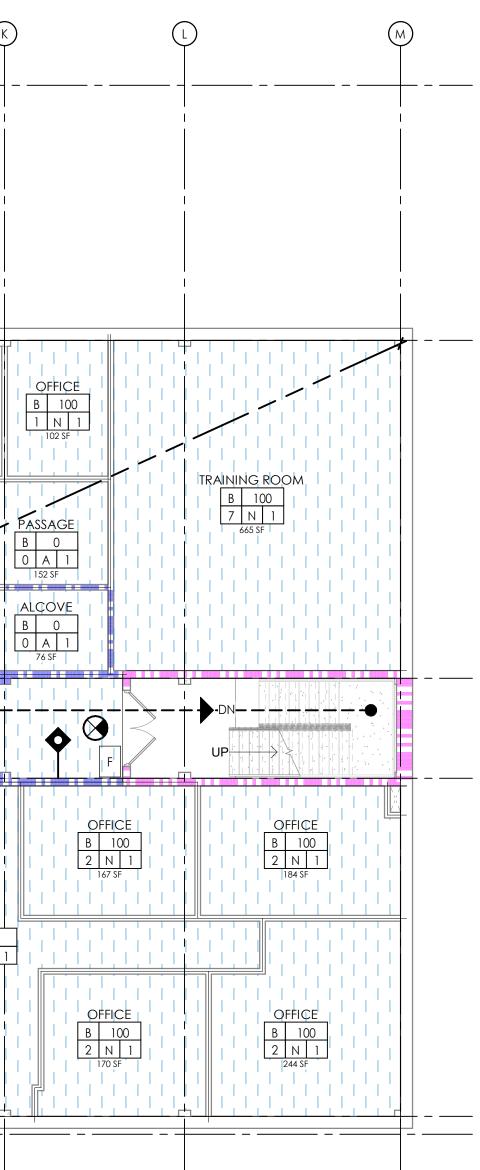


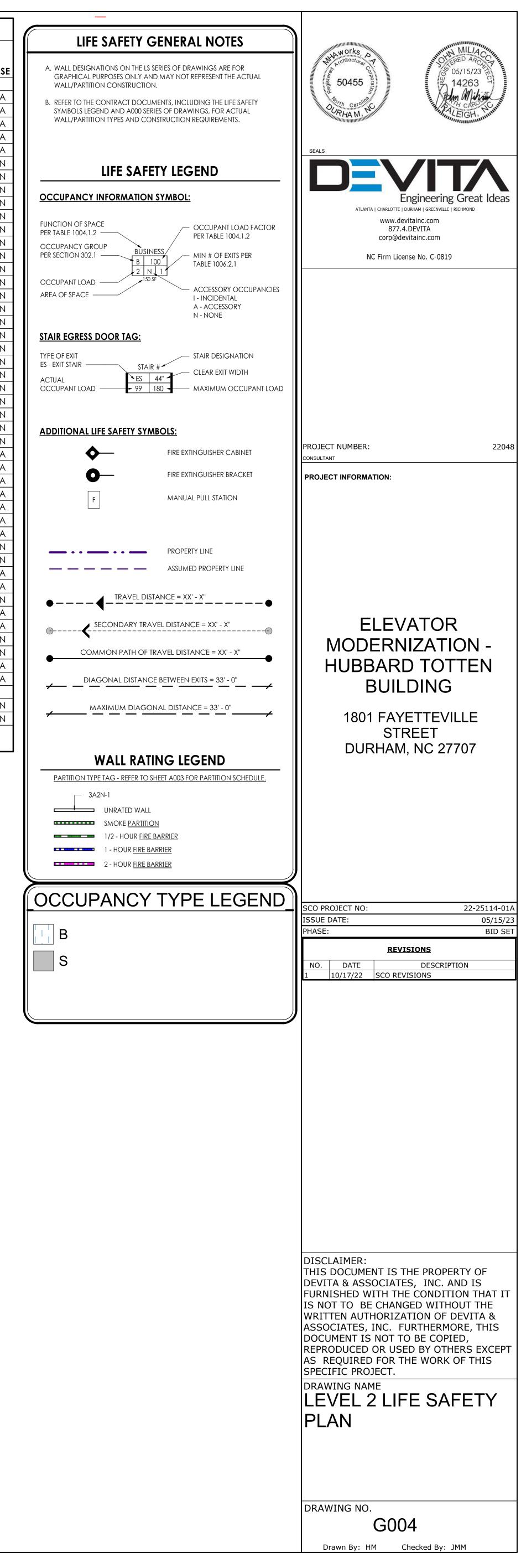
		-						OCCUP							AREA INFORMATION OCCUP OCCUPANCY		
NAME	AREA	ANCY GROUP	OCCUPANT LOAD FACTOR	NO. OF OCCUPANTS	USE	NAME	AREA	ANCY GROUP	OCCUPANT LOAD FACTOR	NO. OF OCCUPANTS	USE	NAME	AREA	ANCY GROUP	OCCUPANT LOAD FACTOR	NO. OF OCCUPANTS	
CHANICAL ROOM	541 SF	S	300 SF	1.803333	N	OFFICE	103 SF	В	100 SF	1	N	CORRIDOR	109 SF	В	0 SF	0	
CHANICAL ROOM	519 SF	S	300 SF	1.73	N	OFFICE	111 SF	B	100 SF	1.11	N	CORRIDOR	269 SF	B	0 SF	0	
CHANICAL ROOM/CRAWL		0	000 01			OFFICE	100 SF	B	100 SF	1	N	CORRIDOR	237 SF	B	0 SF	0	
ACE LEVEL: 2	1060 SF			3.533333		OFFICE	98 SF	B	100 SF	1	N	CORRIDOR	284 SF	B	0 SF	0	
CTURE HALL	1581 SF	A-3		183	А	OFFICE	105 SF	B	100 SF	1	N	MEN'S TOILET	190 SF	B	100 SF	0	
COVE	59 SF	B	0 SF	0	A	OFFICE	165 SF	B	100 SF	1 2	N	OFFICE	188 SF	B	100 SF	1.88	
COVE	35 SF	B	0 SF	0						<u> </u>				D			
DNFERENCE	329 SF	B	100 SF	3.29		OFFICE	104 SF	B	100 SF		N	OFFICE	206 SF	B	100 SF	2.06	
DRRIDOR	422 SF	B	0 SF	0		OFFICE	81 SF	B	100 SF	1	N	OFFICE	101 SF	B	100 SF	1.01	
DRRIDOR	912 SF	B	0 SF	0	<u> </u>	OFFICE	112 SF	B	100 SF		N	OFFICE	100 SF	B	100 SF	1 01	
		D			A	OFFICE	171 SF	В	100 SF	2	N	OFFICE	101 SF	В	100 SF	1.01	
	209 SF	B	0 SF	0	A	OFFICE	102 SF	В	100 SF	1	N	OFFICE	99 SF	В	100 SF	0.99	
FICE	113 SF	В	100 SF	1.13		OFFICE	97 SF	В	100 SF	1	N	OFFICE	254 SF	В	100 SF	2.54	
FICE	127 SF	В	100 SF	1.27	N	OFFICE	110 SF	В	100 SF	1	N	OFFICE	100 SF	В	100 SF	1	
FICE	261 SF	В	100 SF	2.61	N	OFFICE	102 SF	В	100 SF	1	N	OFFICE	101 SF	В	100 SF	1.01	
FICE	134 SF	В	100 SF	1.34	Ν	OFFICE	93 SF	В	100 SF	1	Ν	OFFICE	201 SF	В	100 SF	2.01	
FICE	126 SF	В	100 SF	1.26	Ν	OFFICE	96 SF	В	100 SF	1	Ν	OFFICE	102 SF	В	100 SF	1.02	
FICE	127 SF	В	100 SF	1.27	Ν	OFFICE	97 SF	В	100 SF	1	N	OFFICE	92 SF	В	100 SF	0.92	
FICE	129 SF	В	100 SF	1.29	Ν	OFFICE	98 SF	В	100 SF	1	Ν	OFFICE	96 SF	В	100 SF	1	
FICE	133 SF	В	100 SF	1.33	Ν	OFFICE	100 SF	В	100 SF	1	N	OFFICE	98 SF	В	100 SF	1	
FICE	120 SF	В	100 SF	1.2	Ν	OFFICE	98 SF	В	100 SF	1	Ν	OFFICE	94 SF	В	100 SF	1	
FICE	350 SF	В	100 SF	3.5	Ν	OFFICE	98 SF	В	100 SF	1	N	OFFICE	301 SF	В	100 SF	3.01	
FICE	190 SF	В	100 SF	1.9	Ν	OFFICE	99 SF	В	100 SF	1	N	OFFICE	192 SF	В	100 SF	1.92	
FICE	160 SF	В	100 SF	1.6	Ν	OFFICE	104 SF	В	100 SF	1	N	OFFICE	108 SF	В	100 SF	1.08	
FICE	198 SF	В	100 SF	1.98	Ν	OFFICE	103 SF	B	100 SF	1	N	OFFICE	107 SF	B	100 SF	1.07	
FICE	130 SF	В	100 SF	1.3	Ν	OFFICE	230 SF	B	100 SF	2.3	N	OFFICE	126 SF	B	100 SF	1.26	
FICE	132 SF	В	100 SF	1.32	N	OFFICE	167 SF	B	100 SF	1.67	N	OFFICE	117 SF	B	100 SF	1.17	
FICE	129 SF	B	100 SF	1.29	N									D		2.71	
FICE	127 SF	B	100 SF	1.27	N	OFFICE	184 SF	B	100 SF	2	N	OFFICE	271 SF	D	100 SF	_	
SSAGE	221 SF	B	0 SF	0		OFFICE	170 SF	B	100 SF	2	N	PASSAGE	112 SF	B	0 SF	0	
		D				OFFICE	244 SF	B	100 SF	2.44	N	RECEPTION	500 SF	B	0 SF	0	
SSAGE	217 SF	D	0 SF	0	A	PASSAGE	213 SF	В	O SF	0	A	RECEPTION	79 SF	В	0 SF	0	
	748 SF	B	100 SF	7.48	IN A	PASSAGE	185 SF	В	0 SF	0	A	RECEPTION	75 SF	В	0 SF	0	
STIBULE	37 SF	В	O SF	0	A	PASSAGE	152 SF	В	O SF	0	A	RECEPTION	80 SF	В	0 SF	0	
STIBULE	76 SF	В	0 SF	0	A	SUITE	229 SF	В	O SF	0	A	RECEPTION	109 SF	В	0 SF	0	
omen's toilet	199 SF	В	100 SF	0	A	SUITE	317 SF	В	O SF	0	А	WOMEN'S TOILET	190 SF	В	100 SF	0	
DRKROOM	195 SF	В	100 SF	1.95	Ν	SUITE	376 SF	В	0 SF	0	А	CLOSET	39 SF	S	300 SF	1	
<u> </u>	26 SF	S	300 SF	1	А	TEMP STAFF	126 SF	В	100 SF	1	Ν	CLOSET	46 SF	S	300 SF	1	
OSET	31 SF	S	300 SF	1	А	TRAINING ROOM	665 SF	В	100 SF	6.65	N	CLOSET	38 SF	S	300 SF	1	
	46 SF	S	300 SF	1	Ν	WOMEN'S TOILET	196 SF	В	100 SF	0	А	CLOSET	33 SF	S	300 SF	1	
DRAGE	82 SF	S	300 SF	1	А	CLOSET	51 SF	S	300 SF	1	Α	I.T.	137 SF	S	300 SF	1	
DRAGE	74 SF	S	300 SF	1	Ν	CLOSET	81 SF	S	300 SF	1	N	STORAGE	186 SF	S	300 SF	1	
DRAGE	71 SF	S	300 SF	1	Ν	CLOSET	60 SF	S	300 SF	1	N	STORAGE	66 SF	S	300 SF	1	
DRAGE	29 SF	S	300 SF	1	Ν	FILES	354 SF	S	300 SF	1.18	N	STORAGE	130 SF	S	300 SF	1	
/EL 1:38	8285 SF			229.58		I T	67 SF	S	300 SF	1	N	STORAGE	105 SF	٥ ۷	300 SF	1	
COVE	32 SF	В	0 SF	0	А	LEVEL 2: 51	8590 SF	5	000 01	52.53		STORAGE	59 SF	5 5	300 SF	1	
COVE	36 SF	B	0 SF	0	A	ALCOVE	32 SF	В	0 SF	0	Α	STORAGE	71 SF	5 C	300 SF	1	
COVE	76 SF	B	0 SF	0	A	CONFERENCE	405 SF	B	100 SF		N	LEVEL 3: 52	8467 SF	3	500 31	50.53	
DNFERENCE	218 SF	B	100 SF	2.18	N					4.05				6	200 65	1	
RRIDOR	854 SF	R	0 SF	0	Δ	CONFERENCE	203 SF	B	100 SF	2.03	N		73 SF	S	300 SF		
DRRIDOR	556 SF	R	0 SF	0	Δ	CONFERENCE	178 SF	B	100 SF	1.78	N		9251 SF	3	300 SF	30.82	
		D			~	CORRIDOR	855 SF	B	0 SF	0	A	ATTIC LEVEL: 2	9324 SF			31.82	
	22 SF	В	300 SF		A	CORRIDOR	317 SF	В	0 SF	0	A	Total Occupants	35725 SF			367.993333	
IN'S TOILET	187 SF	В	100 SF	0	A	CORRIDOR	178 SF	В	0 SF	0	Α						
	(A)		B	(0		DE	F		G			K L		(N	٨)		



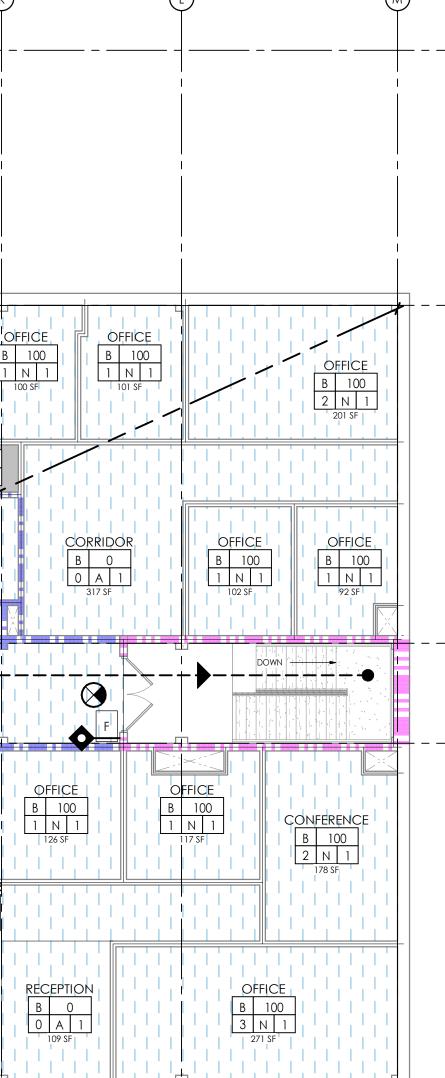
1 LEVEL 2 LIFE SAFETY PLAN

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D I I I I 1 I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	N 1 105 SF OFFICE B 100 2 N 157 SF CUSTODIAL CLOSET B 300 22 SF A 1 51 SF U	I.T. S 300 1 N 1 67 SF PA B C PA B C C C FFICE B 100 1 N 1 C PA B 0	OFFICE B 100 1 N 1 81 SF SSAGE 0 A 1 213 SF	CORRIDOR B 0 0 A 1 556 SF OFFICE B 100 1 N 1 112 SF	CONFERENCE B 100 2 N 1 218 SF B 100 1 N 1 103 SF	OFFICE B 100 2 N 1 171 SF 171 SF	
	34'-11" F		0 A				
OFFICE B 1 N 1 96 SF SUITE B 0 A 1 N 1 N 1 N 1 N 1 0 A 1 0	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	HILES 300 N 1 354 SF	854 SI CLOSET S 300 1 N 1 60 SF 0 SF 0 SF 0 SF 0 SF 0 SF	F ALCOVE B 0 1 36 SF 1 36 SF 1 36 SF 1 1 126 SF SWITE B 0 0 A 1 126 SF 0 A 0 A 1 317 SF	OFFICE OFFICE	196 SF 0 A 376 S	0

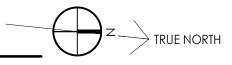


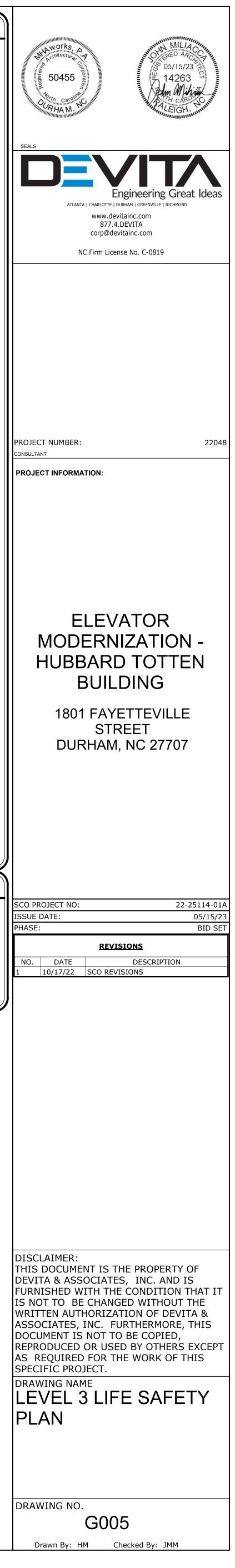


	A	CHEDULE - GRO CCUP OCCUI NCY OCCUPANT	PANCY NO. OF		2018 NCSBC C AREA INFORM	ATION O	CCUP OC NCY OCCUPAN	CUPANCY IT NO. OF		2018 NCSBC OCC	N	OCCUP ANCY	OCCUPANT	NCY NO. OF
NAME	AREA G		OCCUPANTS	USE	NAME	AREA G		OR OCCUPANTS	USE	NAME	AREA	GROUP	LOAD FACTOR	OCCUPANI
ECHANICAL ROOM	541 SF 519 SF	S 300 SF S 300 SF	1.803333		OFFICE OFFICE	103 SF 111 SF	B 100 SF B 100 SF	1	N N	CORRIDOR CORRIDOR	109 SF 269 SF	B	O SF O SF	0
CHANICAL ROOM/CRAWL	1060 SF		3.533333		OFFICE	100 SF	B 100 SF	1	N	CORRIDOR	237 SF	B	0 SF	0
ACE LEVEL: 2		A-3	183		OFFICE OFFICE	98 SF 105 SF	B 100 SF B 100 SF	1	N N	CORRIDOR MEN'S TOILET	284 SF 190 SF	B	0 SF 100 SF	0
COVE	59 SF	B O SF	0		OFFICE	157 SF	B 100 SF	2	N	OFFICE	190 SF 188 SF	B	100 SF	1.88
	35 SF	B O SF	0		OFFICE	104 SF	B 100 SF	1	Ν	OFFICE	206 SF	В	100 SF	2.06
NFERENCE RRIDOR	329 SF 422 SF	B 100 SF B 0 SF	<u> </u>		OFFICE OFFICE	81 SF 112 SF	B 100 SF B 100 SF	1	N N	OFFICE OFFICE	101 SF 100 SF	B	100 SF 100 SF	1.01
RRIDOR	912 SF	B O SF	0		OFFICE	171 SF	B 100 SF	2	N	OFFICE	100 SF	B	100 SF	1.01
N'S TOILET FICE	209 SF 113 SF	B 0 SF B 100 SF	0		OFFICE	102 SF	B 100 SF	1	N	OFFICE	99 SF	В	100 SF	0.99
iCE	127 SF	B 100 SF	1.13		OFFICE OFFICE	97 SF 110 SF	B 100 SF B 100 SF		N N	OFFICE OFFICE	254 SF 100 SF	B	100 SF 100 SF	2.54
ICE	261 SF	B 100 SF	2.61		OFFICE	102 SF	B 100 SF	1	N	OFFICE	101 SF	B	100 SF	1.01
ICE	134 SF 126 SF	B 100 SF B 100 SF	1.34		OFFICE	93 SF	B 100 SF	1	N	OFFICE	201 SF	B	100 SF	2.01
ICE	120 ST	B 100 SF	1.27		OFFICE OFFICE	96 SF 97 SF	B 100 SF B 100 SF	1	N N	OFFICE OFFICE	102 SF 92 SF	B	100 SF 100 SF	1.02 0.92
ICE	129 SF	B 100 SF	1.29	N	OFFICE	98 SF	B 100 SF	1	Ν	OFFICE	96 SF	В	100 SF	1
CE CE	133 SF 120 SF	B 100 SF B 100 SF	1.33		OFFICE OFFICE	100 SF 98 SF	B 100 SF B 100 SF		N N	OFFICE OFFICE	98 SF 94 SF	B B	100 SF 100 SF	1
ICE	350 SF	B 100 SF	3.5		OFFICE	98 SF	B 100 SF	1	N	OFFICE	301 SF	B	100 SF	3.01
CE	190 SF	B 100 SF	1.9		OFFICE	99 SF	B 100 SF	1	Ν	OFFICE	192 SF	В	100 SF	1.92
CE CE	160 SF 198 SF	B 100 SF B 100 SF	1.6		OFFICE OFFICE	104 SF 103 SF	B 100 SF B 100 SF	1	N N	OFFICE OFFICE	108 SF 107 SF	B B	100 SF 100 SF	1.08
ICE	130 SF	B 100 SF	1.3		OFFICE	230 SF	B 100 SF	2.3	N	OFFICE	107 SF 126 SF	B	100 SF	1.07
ICE	132 SF	B 100 SF	1.32		OFFICE	167 SF	B 100 SF	1.67	Ν	OFFICE	117 SF	В	100 SF	1.17
ICE ICE	129 SF 127 SF	B 100 SF B 100 SF	1.29		OFFICE OFFICE	184 SF 170 SF	B 100 SF B 100 SF	2	N N	OFFICE PASSAGE	271 SF 112 SF	B	100 SF 0 SF	<u>2.71</u> 0
SAGE	221 SF	B O SF	0		OFFICE		B 100 SF	2.44	N	RECEPTION	500 SF	B	0 SF	0
	217 SF	B 0 SF B 100 SF	0		PASSAGE		B O SF	0	A	RECEPTION	79 SF	В	0 SF	0
N ROOM TIBULE	748 SF 37 SF	B 100 SF B 0 SF	7.48 0		PASSAGE PASSAGE	185 SF 152 SF	B O SF B O SF	0	A	RECEPTION RECEPTION	75 SF 80 SF	B	0 SF 0 SF	0
TIBULE	76 SF	B O SF	0		SUITE	229 SF	B O SF	0	A	RECEPTION	109 SF	B	0 SF	0
men's toilet RKROOM	199 SF 195 SF	B 100 SF B 100 SF	0		SUITE		B O SF	0	A	WOMEN'S TOILET	190 SF	B	100 SF	0
	26 SF	S 300 SF	1.75	A	SUITE TEMP STAFF	376 SF 126 SF	B 0 SF B 100 SF	0	A N	CLOSET CLOSET	39 SF 46 SF	S S	300 SF 300 SF	1
DSET	31 SF	S 300 SF	1	A	TRAINING ROOM	665 SF	B 100 SF	6.65	Ν	CLOSET	38 SF	S	300 SF	1
RAGE	46 SF 82 SF	S 300 SF S 300 SF	1		WOMEN'S TOILET	196 SF 51 SF	B 100 SF S 300 SF	0	A	CLOSET	33 SF	S	300 SF	1
RAGE	74 SF	S 300 SF	1	N	CLOSET CLOSET	81 SF	S 300 SF	1	N	storage	137 SF 186 SF	S S	300 SF 300 SF	1
RAGE	71 SF	S 300 SF	1	N	CLOSET	60 SF	S 300 SF	1	Ν	STORAGE	66 SF	S	300 SF	1
RAGE	29 SF 8285 SF	S 300 SF	229.58		FILES	354 SF 67 SF	S 300 SF S 300 SF	1.18	N N	STORAGE STORAGE	130 SF 105 SF	S	300 SF 300 SF	1
COVE	32 SF	B O SF	0		I.I. LEVEL 2: 51	8590 SF	3 300 31	52.53		STORAGE	59 SF	S S	300 SF	1
COVE	36 SF 76 SF	B O SF B O SF	0		ALCOVE	32 SF	B O SF	0	A	STORAGE	71 SF	S	300 SF	1
NFERENCE	218 SF	B 100 SF	2.18		CONFERENCE CONFERENCE	405 SF 203 SF	B 100 SF B 100 SF	4.05	N	LEVEL 3: 52 ELEV EQUIP RM	8467 SF 73 SF	S	300 SF	50.53 1
DRRIDOR	854 SF	B O SF	0		CONFERENCE	178 SF	B 100 SF	1.78	N	MECHANICAL	9251 SF	S	300 SF	30.82
RRIDOR			<u>^</u>		CORRIDOR	855 SF	B O SF	0	Α	ATTIC LEVEL: 2	9324 SF			31.82 367.993333
	556 SF	B 0 SF	0	A						Total () oou in anta	25705 55			30/.773333
IODIAL CLOSET	22 SF 187 SF	B 0 SF B 300 SF B 100 SF	0 1 0		CORRIDOR	317 SF 178 SF	B O SF B O SF	0	A	Total Occupants	35725 SF			
odial closet	22 SF	B 300 SF	1 0		CORRIDOR	317 SF			A	Total Occupants	35725 SF	(M	
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
STODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(M) 	
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(M) 	
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF		0	AA		35725 SF	(
TODIAL CLOSET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR	317 SF 178 SF F 		0	A		35725 SF			
TODIAL CLOSET I'S TOILET	22 SF 187 SF	B 300 SF B 100 SF	1 0	A	CORRIDOR						35725 SF			
TODIAL CLOSET	22 SF 187 SF A 	B 300 SF B 100 SF	1 0											
TODIAL CLOSET	22 SF 187 SF A 	B 300 SF B 100 SF B 100 SF B 100 SF					B 0 SF G G H H H H H H H H H H H H H H H H H					OFFICE B 100 2 N 1		
TODIAL CLOSET J'S TOILET	22 SF 187 SF A 	B 300 SF B 100 SF B 		A C C C C C C C C C C C C C C C C C C C			B 0 SF G G H H H H H H H H H H H H H H H H H							
TODIAL CLOSET J'S TOILET	22 SF 187 SF A 	B 300 SF B 100 SF B 100 SF B 100 SF		A C C C C C C C C C C C C C C C C C C C	CORRIDOR CORRIDOR	317 SF 178 SF F F OFFICE B 100 I I I I CORRIDOR B 0	B 0 SF G G H H H H H H H H H H H H H H H H H					OFFICE B 100 2 N 1		
STODIAL CLOSET N'S TOILET	22 SF 187 SF A 	B 300 SF B 100 SF B 100 SF B 100 SF		A C C C C C C C C C C C C C C C C C C C	CORRIDOR CORRIDOR	317 SF 178 SF F I	B 0 SF G G H H H H H H H H H H H H H H H H H	0 H J I I I <t< td=""><td></td><td></td><td></td><td>OFFICE B 100 2 N 1</td><td></td><td></td></t<>				OFFICE B 100 2 N 1		
TODIAL CLOSET J'S TOILET	22 SF 187 SF A 	B 300 SF B 100 SF B 100 SF Image: Second		A C C C C C C C C C C C C C C C C C C C	CORRIDOR CORRIDOR	317 SF 178 SF F I	B 0 SF G G H H H H H H H H H H H H H H H H H	0 H I I I I I I I I I I I I I	DOR			OFFICE B 100 2 N 1 201 SF		
TODIAL CLOSET J'S TOILET	22 SF 187 SF A A B C C C C C C C C C C C C C	B 300 SF B 100 SF B 		A C C C C C C C C C C C C C C C C C C C	CORRIDOR CORRIDOR	317 SF 178 SF F I	B 0 SF G G H H H H H H H H H H H H H H H H H	0 H O H O O O O O O O O O O O O O	DOR			OFFICE		
TODIAL CLOSET J'S TOILET	22 SF 187 SF A A A A A A A A A A A A A	B 300 SF B 100 SF B 	1 0 ())))))))))))))))))		CORRIDOR CORRIDOR	317 SF 178 SF F F I	B 0 SF G C C C C C C C C C C C C C	0 H J H J H J H J H J H J H J H H H H H H H H H H H H H				OFFICE B 100 2 N 1 201 SF		
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TODIAL CLOSET J'S TOILET	22 SF 187 SF A A A A A A A A A A A A A	B 300 SF B 100 SF B 	1 0 0		CORRIDOR CORRIDOR	317 SF 178 SF F I	B 0 SF G G O D D D D D D D D D D D D D D D D D	0 H O H O FFICE B 100 3 N 1 CLOSET S 300 1 A 1 S 300 1 A 1 CLOSET S 300 1 A 1 CLOSET S 300 1 A 1 CORRI B 0 A 1785 CORRI B 0 A 1785 CORRI COR CORRI COR CORRI COR COR COR COR COR COR COR COR				OFFICE B 100 2 N 1 201 SF 		
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TODIAL CLOSET <u>v's TOILET</u> (] (] (] (]	22 SF 187 SF A A A A A A A A A A A A A	B 300 SF B 100 SF B CE 100 1 1 1 1 1 1 1 1 1 1 1 1 1			CORRIDOR CORRIDOR	317 SF 178 SF F F OFFICE INTRAVEL INTRAVEL DISTANCE INTRAVEL DISTANCE INTRAVEL INTRAVEL INTRAVEL INTRAVEL INTRAVEL	B 0 SF G G I I I I I I I I I I I I I	0 H O H O FICE D O FICE 1 O CLOSET S 300 1 A 1 CLOSET S 300 1 A 1 CLOSET S 300 1 A 1 C CORRI B 0 A 1 C CORRI B 0 A 1 C CORRI B 0 A 1 C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C CORRI C C CORRI C C C C C C C C C C C C C				OFFICE B 100 2 N 1 201 SF 0 FFICE B 100 1 N 1 92 SF 0 FFICE		
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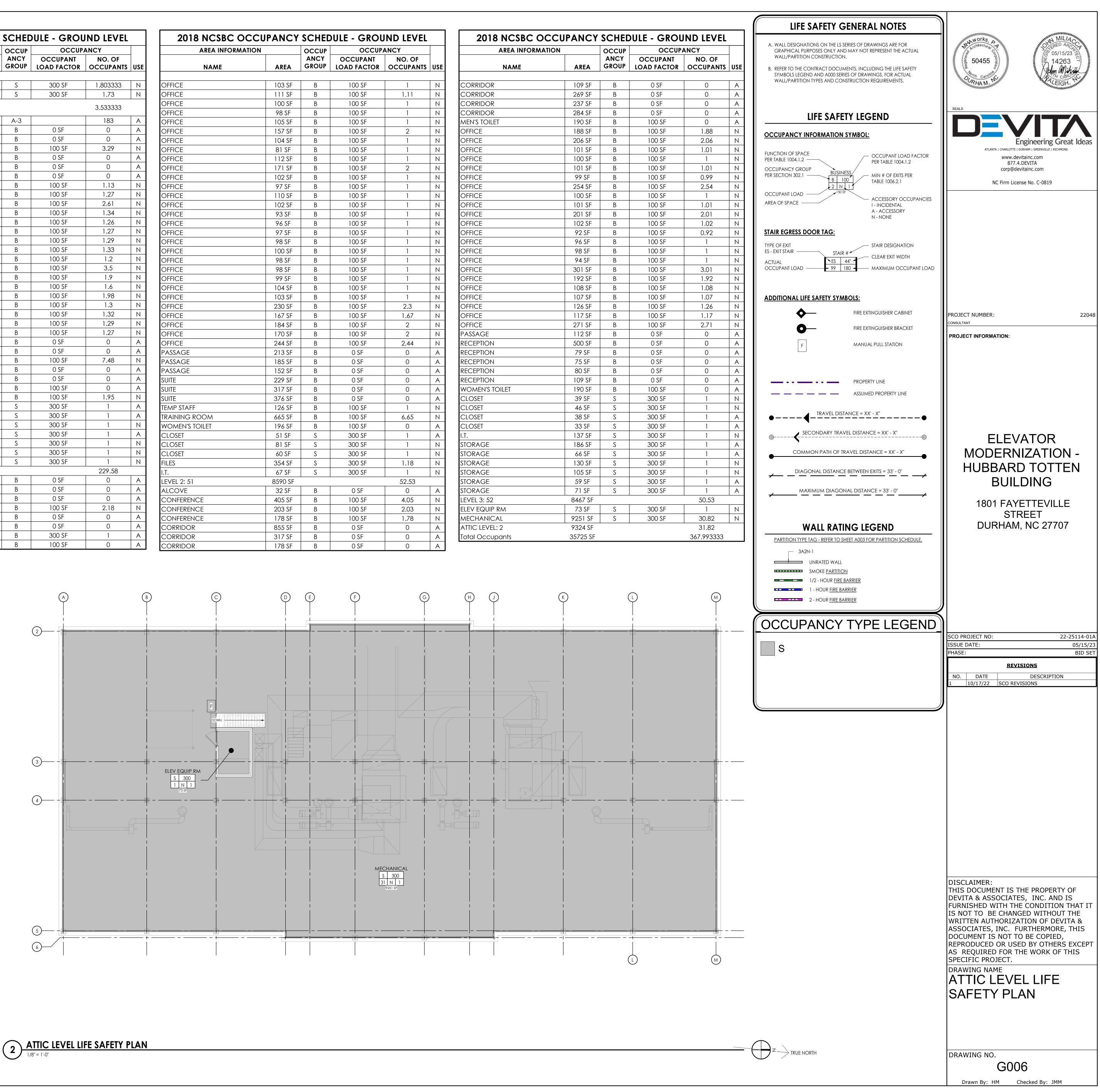


LIFE SAFETY GENERAL NOTES
A. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL
WALL/PARTITION CONSTRUCTION.
B. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A000 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
LIFE SAFETY LEGEND
OCCUPANCY INFORMATION SYMBOL:
FUNCTION OF SPACE PER TABLE 1004.1.2 — OCCUPANT LOAD FACTOR PER TABLE 1004.1.2
OCCUPANCY GROUP PER SECTION 302.1 B 100 MIN # OF EXITS PER TABLE 1006.2.1
OCCUPANT LOAD
AREA OF SPACE ACCESSORY OCCUPANCIES I - INCIDENTAL A - ACCESSORY N - NONE
STAIR EGRESS DOOR TAG:
TYPE OF EXIT ES - EXIT STAIR STAIR DESIGNATION
ACTUAL OCCUPANT LOAD CLEAR EXIT WIDTH CLEAR EXIT WIDTH MAXIMUM OCCUPANT LOAD
ADDITIONAL LIFE SAFETY SYMBOLS:
FIRE EXTINGUISHER CABINET
FIRE EXTINGUISHER BRACKET
F MANUAL PULL STATION
ASSUMED PROPERTY LINE
TRAVEL DISTANCE = XX' - X"
••
COMMON PATH OF TRAVEL DISTANCE = XX' - X''
DIAGONAL DISTANCE BETWEEN EXITS = 33' - 0"
MAXIMUM DIAGONAL DISTANCE = 33' - 0"
, ,
WALL RATING LEGEND
PARTITION TYPE TAG - REFER TO SHEET A003 FOR PARTITION SCHEDULE.
3A2N-1
UNRATED WALL SMOKE PARTITION
1/2 - HOUR <u>FIRE BARRIER</u>
1 - HOUR <u>FIRE BARRIER</u> 2 - HOUR <u>FIRE BARRIER</u>
OCCUPANCY TYPE LEGENE
B





2018 NCSBC OCC	CUPANCY	SCHEE	DULE - GROU	JND LEVEL		2018 NCSBC O	CCUPANCY	SCHED	ULE - GROU	JND LEVEL	
AREA INFORMATIO	N	OCCUP	OCCUP	ANCY		AREA INFORMA	TION	OCCUP	OCCUP	ANCY	
NAME	AREA	ANCY GROUP	OCCUPANT LOAD FACTOR	NO. OF OCCUPANTS	USE	NAME	AREA	ANCY GROUP	OCCUPANT LOAD FACTOR	NO. OF OCCUPANTS	USE
		-								- -	
IECHANICAL ROOM	541 SF	S	300 SF	1.803333	N	OFFICE	103 SF	В	100 SF	1	Ν
ECHANICAL ROOM	519 SF	S	300 SF	1.73	N	OFFICE	111 SF	В	100 SF	1.11	Ν
ECHANICAL ROOM/CRAWL	1060 SF			3.533333		OFFICE	100 SF	В	100 SF	1	Ν
PACE LEVEL: 2				1		OFFICE	98 SF	В	100 SF	1	N
	1581 SF	A-3	0.05	183	A	OFFICE	105 SF	В	100 SF	1	N
	59 SF	B	0 SF	0	A	OFFICE	157 SF	В	100 SF	2	N
	35 SF	B	0 SF	0	A	OFFICE	104 SF	В	100 SF	1	N
	329 SF	B	100 SF	3.29	N	OFFICE	81 SF	В	100 SF	1	N
ORRIDOR	422 SF	B	0 SF	0	A	OFFICE	112 SF	В	100 SF	1	N
	912 SF	B	O SF	0	A	OFFICE	171 SF	В	100 SF	2	Ν
EN'S TOILET	209 SF	B	0 SF	0	A	OFFICE	102 SF	В	100 SF	1	Ν
FFICE	113 SF	B	100 SF	1.13	N	OFFICE	97 SF	В	100 SF	1	Ν
FFICE	127 SF	B	100 SF	1.27	N	OFFICE	110 SF	В	100 SF	1	Ν
FFICE	261 SF	B	100 SF	2.61	N	OFFICE	102 SF	В	100 SF	1	Ν
FFICE	134 SF	B	100 SF	1.34	N	OFFICE	93 SF	В	100 SF	1	Ν
FFICE	126 SF	B	100 SF	1.26	N	OFFICE	96 SF	В	100 SF	1	Ν
FFICE	127 SF	В	100 SF	1.27	N	OFFICE	97 SF	В	100 SF	1	Ν
FFICE	129 SF	В	100 SF	1.29	N	OFFICE	98 SF	В	100 SF	1	Ν
FFICE	133 SF	В	100 SF	1.33	N	OFFICE	100 SF	В	100 SF	1	Ν
FICE	120 SF	В	100 SF	1.2	N	OFFICE	98 SF	В	100 SF	1	Ν
FICE	350 SF	В	100 SF	3.5	N	OFFICE	98 SF	В	100 SF	1	Ν
FICE	190 SF	В	100 SF	1.9	N	OFFICE	99 SF	В	100 SF	1	Ν
FICE	160 SF	В	100 SF	1.6	Ν	OFFICE	104 SF	В	100 SF	1	Ν
FICE	198 SF	В	100 SF	1.98	Ν	OFFICE	103 SF	В	100 SF	1	Ν
FICE	130 SF	В	100 SF	1.3	Ν	OFFICE	230 SF	В	100 SF	2.3	Ν
FFICE	132 SF	В	100 SF	1.32	Ν	OFFICE	167 SF	В	100 SF	1.67	Ν
FICE	129 SF	В	100 SF	1.29	Ν	OFFICE	184 SF	В	100 SF	2	Ν
FICE	127 SF	В	100 SF	1.27	Ν	OFFICE	170 SF	В	100 SF	2	Ν
ASSAGE	221 SF	В	O SF	0	Α	OFFICE	244 SF	В	100 SF	2.44	Ν
ASSAGE	217 SF	В	0 SF	0	Α	PASSAGE	213 SF	В	0 SF	0	Α
AN ROOM	748 SF	В	100 SF	7.48	Ν	PASSAGE	185 SF	В	0 SF	0	Α
STIBULE	37 SF	В	O SF	0	Α	PASSAGE	152 SF	В	0 SF	0	Α
STIBULE	76 SF	В	O SF	0	Α	SUITE	229 SF	В	0 SF	0	Α
Omen's toilet	199 SF	В	100 SF	0	Α	SUITE	317 SF	B	0 SF	0	A
ORKROOM	195 SF	В	100 SF	1.95	Ν	SUITE	376 SF	B	0 SF	0	A
С	26 SF	S	300 SF	1	Α	TEMP STAFF	126 SF	B	100 SF	1	N
OSET	31 SF	S	300 SF	1	Α	TRAINING ROOM	665 SF	B	100 SF	6.65	N
	46 SF	S	300 SF	1	N	WOMEN'S TOILET	196 SF	B	100 SF	0	A
ORAGE	82 SF	S	300 SF	1	Α	CLOSET	51 SF	S	300 SF	1	A
ORAGE	74 SF	S	300 SF	1	N	CLOSET	81 SF	S	300 SF	1	N
ORAGE	71 SF	S	300 SF	1	N	CLOSET	60 SF	S	300 SF	1	N
ORAGE	29 SF	S	300 SF	1	N	FILES	354 SF	S	300 SF	1.18	N
/EL 1: 38	8285 SF	-	1	229.58		I.T.	67 SF	S	300 SF	1	N
COVE	32 SF	В	0 SF	0	Α	LEVEL 2: 51	8590 SF	5	000 01	52.53	N
COVE	36 SF	B	0 SF	0	A	ALCOVE	32 SF	В	0 SF	0	Α
COVE	76 SF	B	0 SF	0	A	CONFERENCE	405 SF	B	100 SF	4.05	N
DNFERENCE	218 SF	B	100 SF	2.18	N						
ORRIDOR	854 SF	B	0 SF	0	A	CONFERENCE	203 SF	B	100 SF	2.03	N
ORRIDOR	556 SF	B	0 SF	0		CONFERENCE	178 SF	B	100 SF	1.78	N
JSTODIAL CLOSET				1	A		855 SF	B	0 SF	0	A
	22 SF	B	300 SF		A	CORRIDOR	317 SF	В	0 SF	0	A
EN'S TOILET	187 SF	В	100 SF	0	А	CORRIDOR	178 SF	В	0 SF	0	A



BXUV.U419 - Fire-resistance Ratings - ANSI/UL 263 2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC - StudRite Design/System/Construction/Assembly Usage Disclaimer Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials. 2N. Framing Members*— Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in length than assembly Authorities Having Jurisdiction should be consulted before construction. REGUPOL AMERICA — Type SonusClip • Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field. When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and RESCUE METAL FRAMING, L L C — AlphaSTUD each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction. Only products which bear UL's Mark are considered Certified. 20. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max. RONDO BUILDING SERVICES PTY LTD - Rondo Lipped Wall Stud Fire-resistance Ratings - ANSI/UL 263 BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States 2P. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max. BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada OEG BUILDING MATERIALS — OEG Stud See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada 2Q. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 10, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to Design Criteria and Allowable Variances CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper X Design No. U419 March 2, 2022 3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in, thick oriented strand board (OSB) or 15/32 in, thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. DC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in. Nonbearing Wall Ratings — 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J) 4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. screws, not more than each sixth course of brick. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. 4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies. 48. Fiber, Sprayed* — (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ) AMERICAN ROCKWOOL MANUFACTURING, LLC - Type Rockwool Premium Plus 4C. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. CARLISLE SPRAY FOAM INSULATION - Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO. 5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. orizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows: Gypsum Board Protection on Each Side of Wall 1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max. 2 layers, 3/4 in. thick 2-1/2 1A. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25TM Track THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX CRACO MFG INC — SmartTrack25™ UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25th Track USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE IMPERIAL MANUFACTURING GROUP INC — Viper25th Track USG MEXICO S A DE C V --- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE 1B. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 6. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20[™] Track 5A. Gypsum Board* - (As an alternate to Item 5) - 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6. MARINO/WARE, DIV OF WARE INDUSTRIES INC --- Viper20TM Track CGC INC — Type SHX. IMPERIAL MANUFACTURING GROUP INC — Viper20[™] Track UNITED STATES GYPSUM CO — Type FRX-G, SHX USG MEXICO S A DE C V — Type SHX. 1C. Framing Members* - Floor and Ceiling Runners - (Not Shown) - In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 5B. Gypsum Board* — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12). RAY-BAR ENGINEERING CORP - Type RB-LBG STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EOD and Type SUPREME D2 STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME D24/30EOD and Type SUPREME D20 TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20 5C. Gypsum Board* — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long rpe S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 6 UNITED METAL PRODUCTS INC - Type SUPREME D24/30EQD and Type SUPREME D20 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory. 1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC CGC INC — Type SCX, ULIX. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - Type SCX 1E. Framing Members* - Floor and Ceiling Runners - (Not Shown, As an alternate to Item 1) - For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC UNITED STATES GYPSUM CO — Type SCX, SGX, ULIX. CLARKDIETRICH BUILDING SYSTEMS - CD ProTRAK USG BORAL DRYWALL SFZ LLC — Type SCX DMFCWBS L L C - ProTRAK USG MEXICO S A DE C V — Type SCX MBA METAL FRAMING - ProTRAK RAM SALES L L C — Ram ProTRAK 5D. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only. CGC INC — Type USGX STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProTRAK UNITED STATES GYPSUM CO - Type USG USG BORAL DRYWALL SFZ LLC — Type USGX 1F. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1- 1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, USG MEXICO S A DE C V — Type USGX tached to floor and ceiling with fasteners spaced 24 in. OC max. SUPER STUD BUILDING PRODUCTS — The Edge 5E. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws 16. Framing Members* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max. spaced 8 in. OC at perimeter and 12 in. OC in the field. STUDCO BUILDING SYSTEMS - CROCSTUD Track NEW ENGLAND LEAD BURNING CO INC, DBA NELCO - Nelco 1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling 5F. Gypsum Board* — (As an alternate to Item 5) — For use with Items 1E and 1E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and with fasteners spaced max 24 in. Of bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in. MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20™ Track VT100 THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - Type SCX IMPERIAL MANUFACTURING GROUP INC - Viper20TM Track VT100 UNITED STATES GYPSUM CO - 5/8 in. thick Type SCX, SGX, ULIX USG BORAL DRYWALL SFZ LLC - 5/8 in. thick Type SCX, SGX 11. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max. TELLING INDUSTRIES L L C - TRUE-TRACK 56. Gypsum Board* — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as follows: 1J. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. Gypsum Board Protection on Each Side of Wall 1K. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC 1L. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min. 3-1/2 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. RESCUE METAL FRAMING, L L C — AlphaTRAK 1M. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 20, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. RONDO BUILDING SERVICES PTY LTD - Rondo Wall Trac 1N. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2P, proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. OEG BUILDING MATERIALS - OEG Track CGC INC — 1/2 in. thick Type C, IP-X2 or IPC-AR; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in. thick Types IP-X3 or ULTRACODE THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - 1/2 in. thick Types C and 5/8 in. thick SCX 10. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel shaped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper X Track USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick Types IP-X3 or ULTRACODE 2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. 5H. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on 2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC to 3/4 in. less than assembly height in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A). MAYCO INDUSTRIES INC - Type X-Ray Shielded Gypsum 28. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in. gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only. CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper25™ 51. Gypsum Board* — (As an alternate to Item 5) — Nom. 5/8 in, thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5. CRACO MFG INC - SmartStud25 CGC INC — Type ULIX, ULX MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25" UNITED STATES GYPSUM CO - Type ULIX, ULX IMPERIAL MANUFACTURING GROUP INC - Viper25" USG MEXICO S A DE C V — Type ULX 2C. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights. 5J. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsur CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20 panels with beveled, square or tapered edges, applied vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20™ 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with nstruction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C **RADIATION PROTECTION PRODUCTS INC** — Type RPP - Lead Lined Drywall 2D. Framing Members* — Steel Studs — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. ALLSTEEL & GYPSUM PRODUCTS INC - Type SUPREME D24/30EQD and Type SUPREME D20 5K. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME D24/30EQD and Type SUPREME D20 6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Single layer system with Type ULIX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20 TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20 systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 12 in. OC. Screws offset min in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Shird layer- 2-1/4 in. OR for 1/2 in., 1/2 in. UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. 7. Furring Channels — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel 2E. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 51, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a screws. Not for use with Item 5A. nax of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. CLARKDIETRICH BUILDING SYSTEMS - CD ProSTUD 7A. Framing Members* — (Optional on one or both sides, not shown, for single or double laver systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below; DMFCWBS L L C - ProSTUD a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item MBA METAL FRAMING - ProSTUD RAM SALES L L C - Ram ProSTUD b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in. OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V (2.75) clips STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProSTUD secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75). 2F. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. tess in lengths that assembly heights 7B. Framing Members* — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below: SUPER STUD BUILDING PRODUCTS — The Edge a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A. 2G. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped studs, minimum width indicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height. b. Steel Framing Members* — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into STUDCO BUILDING SYSTEMS - CROCSTUD KINETICS NOISE CONTROL INC - Type Isoman 2H. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. TELLING INDUSTRIES L L C - TRUE-STUD 7C. Framing Members* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A. 21. Framing Members* - Steel Studs b. Steel Framing Members* — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PLITEQ INC — Type GENIECLIP 2). Framing Members* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights 2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. 7D. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: EB METAL INC - NITROSTUD a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

2L. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. **OLMAR SUPPLY INC** — PRIMESTUD

JL Product iQ®

Rating, Hr	Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O	No. of Layers & Thkns of Panel	Min Thkns of Insulation (Item 4)
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
192			Sector Se

Rating, Hr	Min Stud Depth, in. Item 2E	No. of Layers & Thickness of Panel	Min Thkns of Insulation (Item 4)
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional

UNITED STATES GYPSUM CO — Type AS stud locations. Required behind vertical joints. backed gypsum wallboard and optional at remaining stud locations gypsum wallboard (Item 5E) and optional at remaining stud locations.

secured using 18 SWG wire ties spaced a maximum 12 in. on center. LARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clip

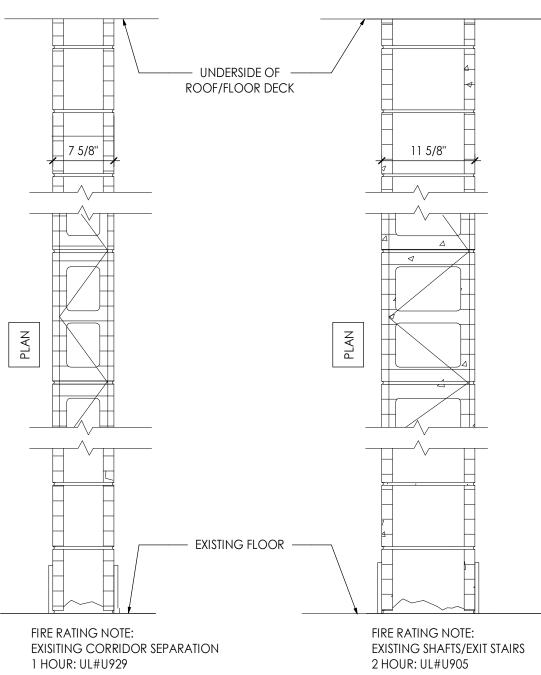
Mark on the product.

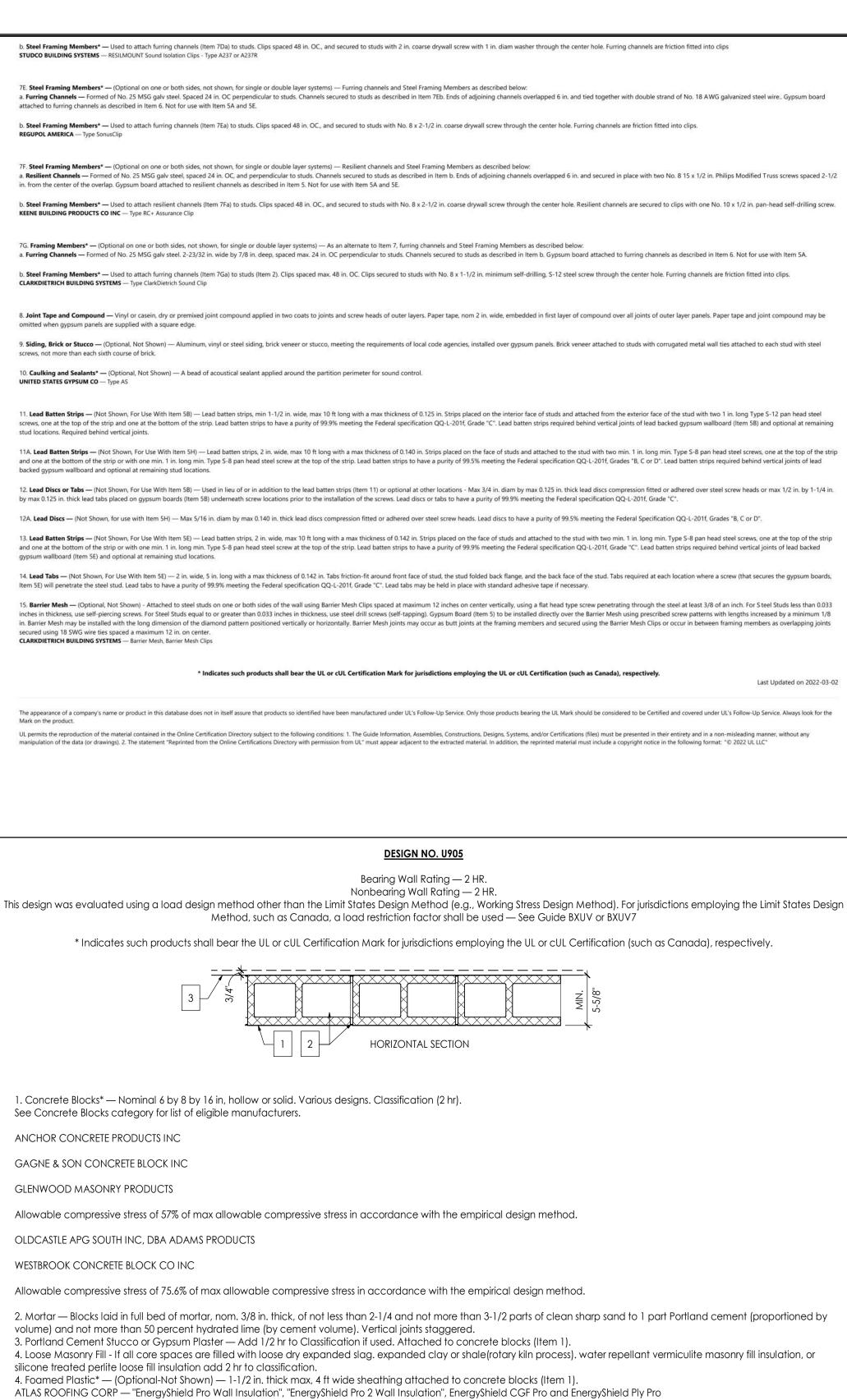
ANCHOR CONCRETE PRODUCTS INC

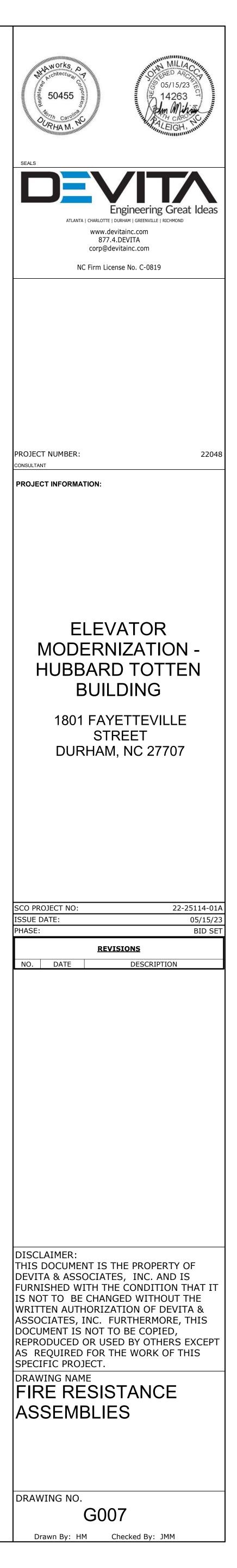
GAGNE & SON CONCRETE BLOCK INC

GLENWOOD MASONRY PRODUCTS

WESTBROOK CONCRETE BLOCK CO INC



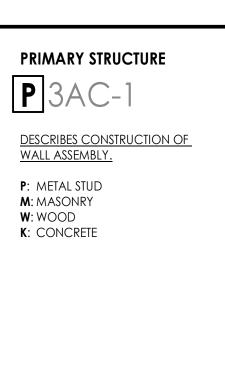




A-PT	ACCENT PAINT
ABS	AIR BARRIER SYSTEM
ABV	ABOVE
ACP ACT	ACOUSTICAL CEILING PANEL ACOUSTICAL CEILING TILE
ACW	ALUMINUM CLAD WINDOW
ADJ	ADJUSTABLE
AFF	
AHJ AHU	AUTHORITY HAVING JURISDICTION AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
AP APC	ACCESS PANEL ARCHITECTURAL PRECAST CONCRETE
ARC	ARCHITECTURAL FRECAST CONCRETE ABUSE RESISTANT COATING
AS	ALUMINUM STOREFRONT
AUTO	AUTOMATIC
AVG AW	AVERAGE ALUMINUM WINDOW
AWC	ACOUSTICAL WALL COVERING
AWP	ACOUSTICAL WALL PANEL
BD	BOARD
bf BLDG	BARRIER FREE (ADA or A117.1) BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BRG BTWN	BEARING BETWEEN
BUR	BUILT-UP ROOF
С	CARPET
C-TILE	CARPET TILE
CAB CB	CABINET CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CFSF-NS	
CFSF-S CG	COLD FORMED STEEL FRAMING, STRUCTURAL CORNER GUARD
CI	CONTINUOUS INSULATION
CIPC	CAST IN PLACE CONCRETE
CJ CL	CONTROL JOINT CLOSET
CLG	CEILING
CLR	CLEAR
CM	CENTIMETER
CMBD CMU	CEMENT BOARD CONCRETE MASONRY UNIT
	CONCRETE MASONRY UNIT - ACOUSTICAL
	CONCRETE MASONRY UNIT - GROUND FACE
	CONCRETE MASONRY UNIT - GLAZED CONCRETE MASONRY UNIT - SPLIT FACE
CO	CLEANOUT
COL	COLUMN
CONC	
CONC-P CONC-SLR	CONCRETE WITH PIGMENT CONCRETE WITH SEALER / HARDENER
	CONCRETE WITH STAIN
CONST	CONSTRUCTION
CONT	CONTINUOUS CONTRACTOR
CORR	CORRIDOR
CSMU	CAST STONE MASONRY UNIT
CIEK	
CTSK CU FT	COUNTERSINK, COUNTERSUNK CUBIC FEET / FOOT
CUST	CUSTODIAN / CUSTODIAL
CW	ALUMINUM CURTAIN WALL
CWFD D	CEMENTITIOUS WOOD FIBER DECK DEPTH/DEEP
DBL	DOUBLE
DEMO	DEMOLITION
DETE	
DF DG	DRINKING FOUNTAIN DOOR GRILLE
DHM	DETENTION HOLLOW METAL
DIA	DIAMETER
DIAG DIM	DIAGONAL DIMENSION
DIM	DIVISION
DL	DOOR LOUVER
DN DR	
DP DR	DAMPPROOFING DISPLAY RAIL
DS	DOWNSPOUT
DTL	DETAIL
DWG DWR	DRAWING DRAWER
	· · · · · · · · · · · · · · ·

ARCHITECTURAL ABBREVIATIONS

EA	EACH	LAB	LABORATORY	REINF
EF	EXHAUST FAN	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	REM
EFS	EXTERIOR FINISH SYSTEM	LAM	LAMINATE	REQ'D
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	LAV		RES
EJ EL	EXPANSION JOINT ELEVATION	LH LIN	LEFT HAND LINOLEUM	RFT RH
ELAS	ELASTOMERIC	LKR	LOCKER	RL
ELEC	ELECTRICAL	LMC	LINEAR METAL CEILING	RM
ELEV	ELEVATOR	LPS	LAMINATE PANEL SYSTEM	RO
EMER	EMERGENCY	LT	LIGHT	RSF
EPS	EXPANDED POLYSTYRENE	LVR	LOUVER	RSR
EPX	EPOXY	LVT		RST
EQ EQUIP	EQUAL EQUIPMENT	M MACH	METER MACHINE	RT RTU
ECCON	EXISTING TO REMAIN	MACH	MASONRY	SAB
EWC	ELECTRIC WATER COOLER	MATL	MATERIAL	SC-PLK
EX	EXISTING	MAX	MAXIMUM	SC-PNL
EXH	EXHAUST	MB	MARKERBOARD	SCH
EXP	EXPANSION	MCM	METAL COMPOSITE MATERIAL	SF
EXPC		MCP	METAL CEILING PANEL	SFRM
EXT FAAF	Exterior Fluid Applied Athletic Flooring	MDO MECH	MEDIUM DENSITY OVERLAY MECHANICAL	SHM SHTG
faaf FD	FLOOR DRAIN	MECH	MECHANICAL MEDIUM	SIM
FE	FIRE EXTINGUISHER	MEMB	MEMBRANE	SPEC
FEB	FIRE EXTINGUISHER BRACKET	MFR	MANUFACTURER	SPF
FEC	FIRE EXTINGUISHER CABINET	MIF	MULTICOLOR INTERIOR FINISHING	SPR
FF	FINISHED FLOOR	MIN	MINIMUM	SQ
FGL	FIBERGLASS	MIR	MIRROR	SQ FT
FH	FIRE HYDRANT	MISC	MISCELLANEOUS	SRD
FHC		MLDG	MOLDING	SS
FHVC	FIRE HOSE VALVE CABINET	MO	MASONRY OPENING	SSM
FIN FLR	FINISHED FLOOR	MPS MR	MANUAL PROJECTION SCREEN MAP RAIL	st stc
FLRG	FLOORING	MK	MOUNT	STD
FND	FOUNDATION	MTD	MOUNTED	STL
FO	FACE OF	MTL	METAL	STRUCT
FRM	FRAME	NA	NOT APPLICABLE	SUSP
FRP	FIBERGLASS REINFORCED PLASTIC	NIC	NOT IN CONTRACT	SV
FRT	FIRE RETARDANT TREATED	NO.	NUMBER	SWM
FT	FOOT, FEET	NOM	NOMINAL	SYM
FTG	FOOTING	NRC	NOISE REDUCTION COEFFICIENT	T
FURN		NTS OC	NOT TO SCALE	T&G
FVC FWC	FIRE VALVE CABINET FABRIC WALL COVERING	OD	ON CENTER OUTSIDE DIAMETER	t.o. TB
GA	GAUGE	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	TEL
GAL	GALLON	OPNG	OPENING	TERR-C
GALV	GALVANIZED	OPP HD	OPPOSITE HAND	TERR-E
GB	GYPSUM BOARD	OVHD	OVERHEAD	TERR-R
GB-AR	GYPSUM BOARD - ABUSE RESISTANT	P-TILE	PORCELAIN TILE	THHD
GB-IR	GYPSUM BOARD - IMPACT RESISTANT	PC	PRECAST	THK
GB-S	GYPSUM BOARD - SECURITY	PERF	PERFORATED, PERFORATION(S)	TOS
GFRC GFRG	GLASS FIBER REINFORCED CONCRETE GLASS FIBER REINFORCED GYPSUM	PERIM PIP	PERIMETER POURED IN PLACE	tow ts
GFRG GL	GLASS FIBER REINFORCED GTPSUM GLASS, GLAZING	PIP PLAM	POURED IN PLACE PLASTIC LAMINATE	TV
GL-BLK	GLASS BLOCK	PLAS	PLASTER	TYP
GPM	GALLONS PER MINUTE	PLWD	PLASTIC LAMINATE WOOD	UC
GRT	GROUT	PLYWD	PLYWOOD	UG
GSFT	GLAZED STRUCTURAL FACING TILE	PNL	PANEL, PANELING	UH
GT	GLASS TILE	POLY	POLYETHYLENE	UNO
GWT	GLAZED WALL TILE	PPS	POWER PROJECTION SCREEN	VAT
GYP	GYPSUM	PPT	PRESSURE- OR PRESERVATIVE-TREATED	VB
H HB	HIGH HOSE BIBB	PR PREFAB	PAIR PREFABRICATED	VCT VDB
hb HBD	hose bibb Hardboard	PREFAB	Prefabricated Prefinished	VDB VERT
HDC	HOLD DOWN CLIPS	PREP	PREPARE / PREPARATION	VEST
HDNR	HARDENER	PS	PROJECTION SCREEN	VFCT
HDWD	HARDWOOD	PSB	PENCIL SHARPENER BLOCK	VFWC
HDWR	HARDWARE	PSF	POUNDS PER SQUARE FOOT	VR
HM	HOLLOW METAL	PSI	POUNDS PER SQUARE INCH	VT
HORIZ	HORIZONTAL	PT	PAINT	VTR
HPC	HIGH PERFORMANCE COATINGS	PTN	PARTITION	VWC
HPFP	HIGH PERFORMANCE FLOOR PAINT	PTS PVC		W
HT HVAC	HEIGHT HEATING, VENTILATING, AIR CONDITIONING	PVC PVMT	POLYVINYL CHLORIDE PAVEMENT	W/ W/O
ID	INSIDE DIAMETER	PVWC	PERFORATED VINYL WALL COVERING	WC
IN	INCH, INCHES	QSM	QUARTZ SURFACING MATERIAL	WCP
INCL	INCLUDE, INCLUDING	QT	QUARRY TILE	WD
INFO	INFORMATION	QTY	QUANTITY	WDW
INST	INSTALLATION	R	RISER, RADIUS	WP
INSUL	INSULATION	R/W	RIGHT OF WAY	WPT
INT		RAD		WSCT
IRWC	IMPACT RESISTANT WALL COVERING	RAF RB	RESILIENT ATHLETIC FLOORING RESILIENT BASE	WSF
		КВ	KEJILIEINI DAJE	WT
IWB	INTERACTIVE WHITE BOARD		REFLECTED CEILING PLAN	\\/\//⊏
IWB JAN	JANITOR	RCP	REFLECTED CEILING PLAN ROOF DRAIN	WWF XPS
IWB			REFLECTED CEILING PLAN ROOF DRAIN REFRIGERATOR	WWF XPS



RECESSED ENTRY MAT

RESINOUS FLOORING

RUBBER FLOOR TILE

ROUGH OPENING

ROOFTOP UNIT

SCHEDULE

Sheathing

SPRINKLER

SQUARE

STREET

STEEL

STANDARD

STRUCTURAL

SUSPENDED SHEET VINYL

Symmetrical

TACKBOARD

TELEPHONE

THRESHOLD

TOP OF WALL TACK STRIP TELEVISION

TYPICAL UNDERCUT

UNDERGROUND

VINYL ASBESTOS TILE

VAPOR BARRIER

VERTICAL

VESTIBULE

VINYL TILE

WIDE, WIDTH WITH

WATER CLOSET

WATERPROOFING

WELDED WIRE FABRIC

WORKING POINT

WOOD CEILING PANEL

WITHOUT

WOOD

WINDOW

WAINSCOT

WEIGHT

VAPOR RETARDER

VENT THROUGH ROOF

UNIT HEATER

TERRAZZO EPOXY

THICKNESS, THICK top of steel

TERRAZZO RUBBERIZED

TONGUE & GROOVE

TREAD

TOP OF

Specification

SQUARE FEET / FOOT

STAINLESS STEEL

SIMILAR

RESILIENT STAIR RISER **RESILIENT STAIR TREAD**

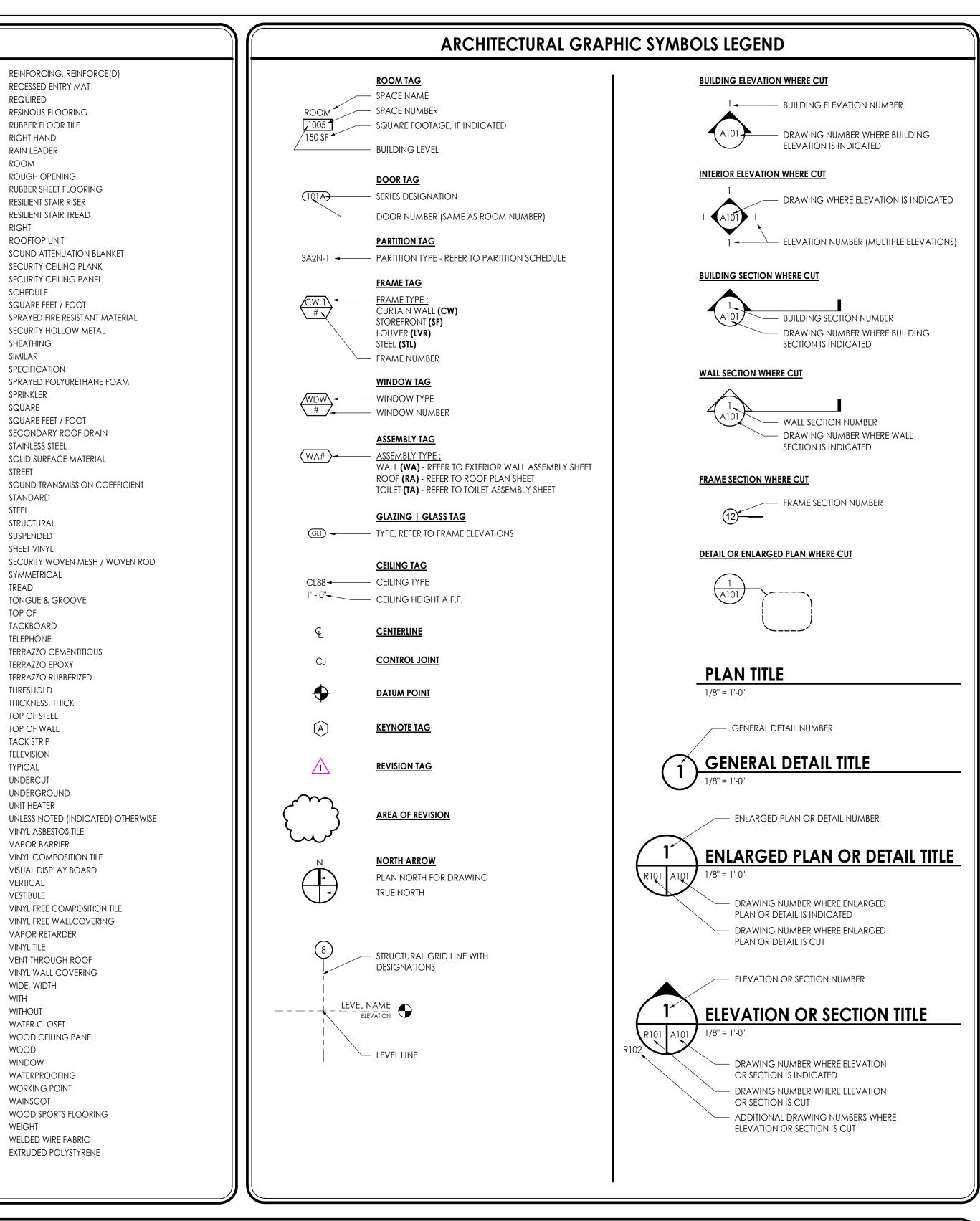
SQUARE FEET / FOOT

REQUIRED

RIGHT HAND

RAIN LEADER ROOM

RIGHT



WALL/PARTITION TYPE KEY

THICKNESS P**3**AC-1 DESCRIBES THICKNESS OF THE PRIMARY STRUCTURAL SYSTEM OF WALL ASSEMBLY.

DESCRIBES CONSTRUCTION OF WALL ASSEMBLY.

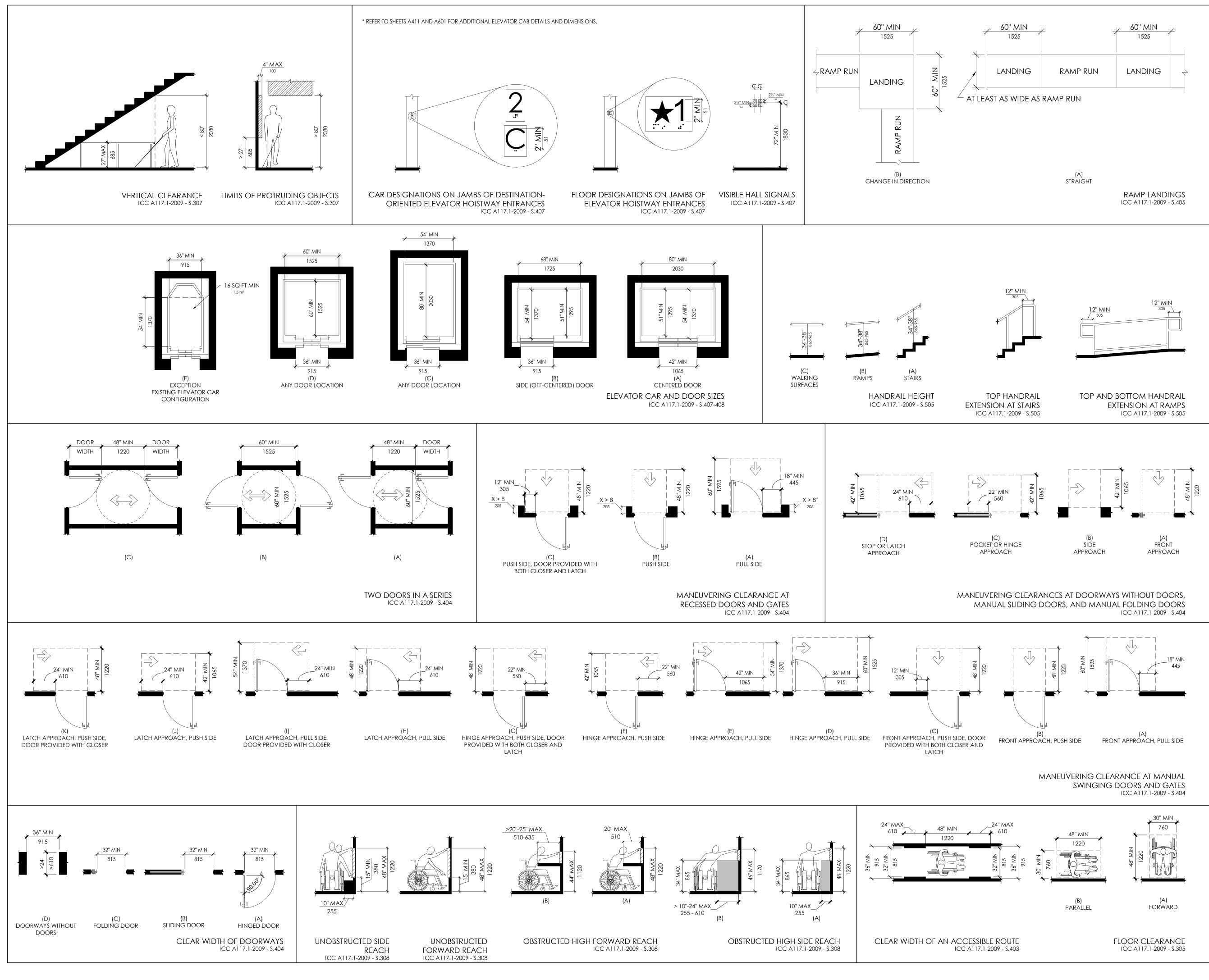
- A: SINGLE LAYER OF GYPSUM BOARD ON ONE SIDE B: SINGLE LAYER OF GYPSUM BOARD ON BOTH SIDES C: SINGLE LAYER OF GYPSUM BOARD ON ONE SIDE,
- DOUBLE LAYER ON OTHER SIDE D: DOUBLE LAYER OF GYPSUM BOARD ON BOTH SIDES
- E: DOUBLE LAYER OF GYPSUM BOARD ON SINGLE SIDE F: TRIPLE LAYER OF GYPSUM BOARD ON BOTH SIDES. K: CONCRETE
- M: MASONRY (CMU) R: MASONRY (BRICK) S: SHAFT WALL ASSEMBLY
- HEIGHT & STC P3AC-
- DESCRIBES VERTICAL EXTENT & ACOUSTICAL ATTRIBUTES OF WALL ASSEMBLY.
- P: PARTIAL HEIGHT WALL, REFERENCE ELEVATIONS C: 4-INCHES ABOVE CEILING D: TO DECK OR STRUCTURE ABOVE
- **R:** TO DECK OR STRUCTURE ABOVE WITH RESILIENT CHANNELS, ACOUSTICAL INSULATION & SEALANT S: TO DECK OR STRUCTURE ABOVE WITH
- ACOUSTICAL INSULATION/GROUT FILLED & SEALANT
- T: TO DECK OR STRUCTURE ABOVE WITH RESILIENT sound isolation clips, acoustical INSULATION & SEALANT



DESCRIBES FIRE RATING OF WALL ASSEMBLY.

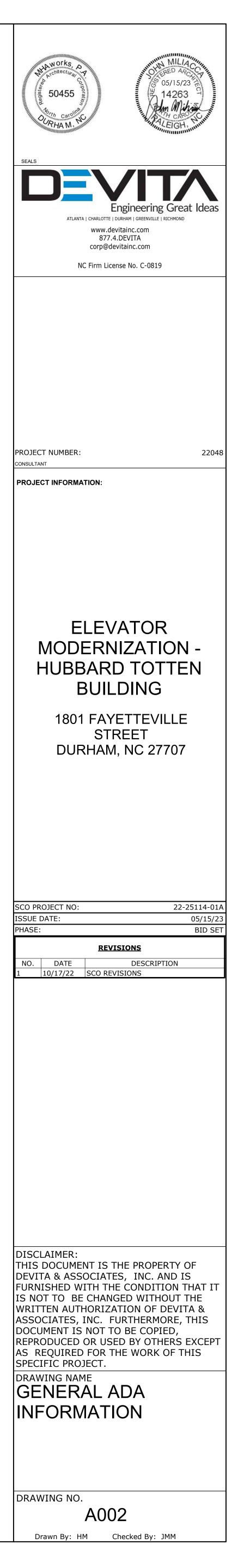




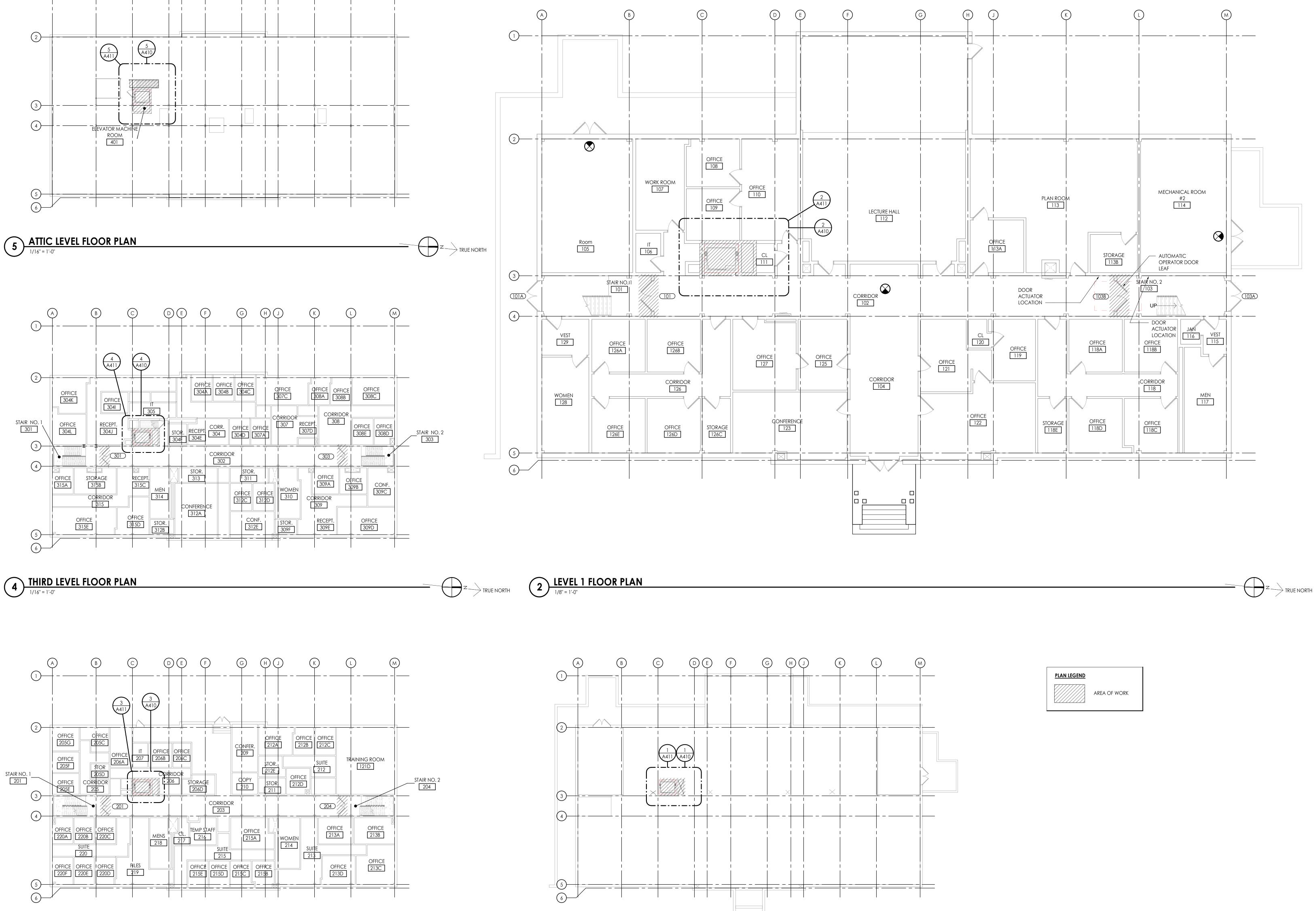






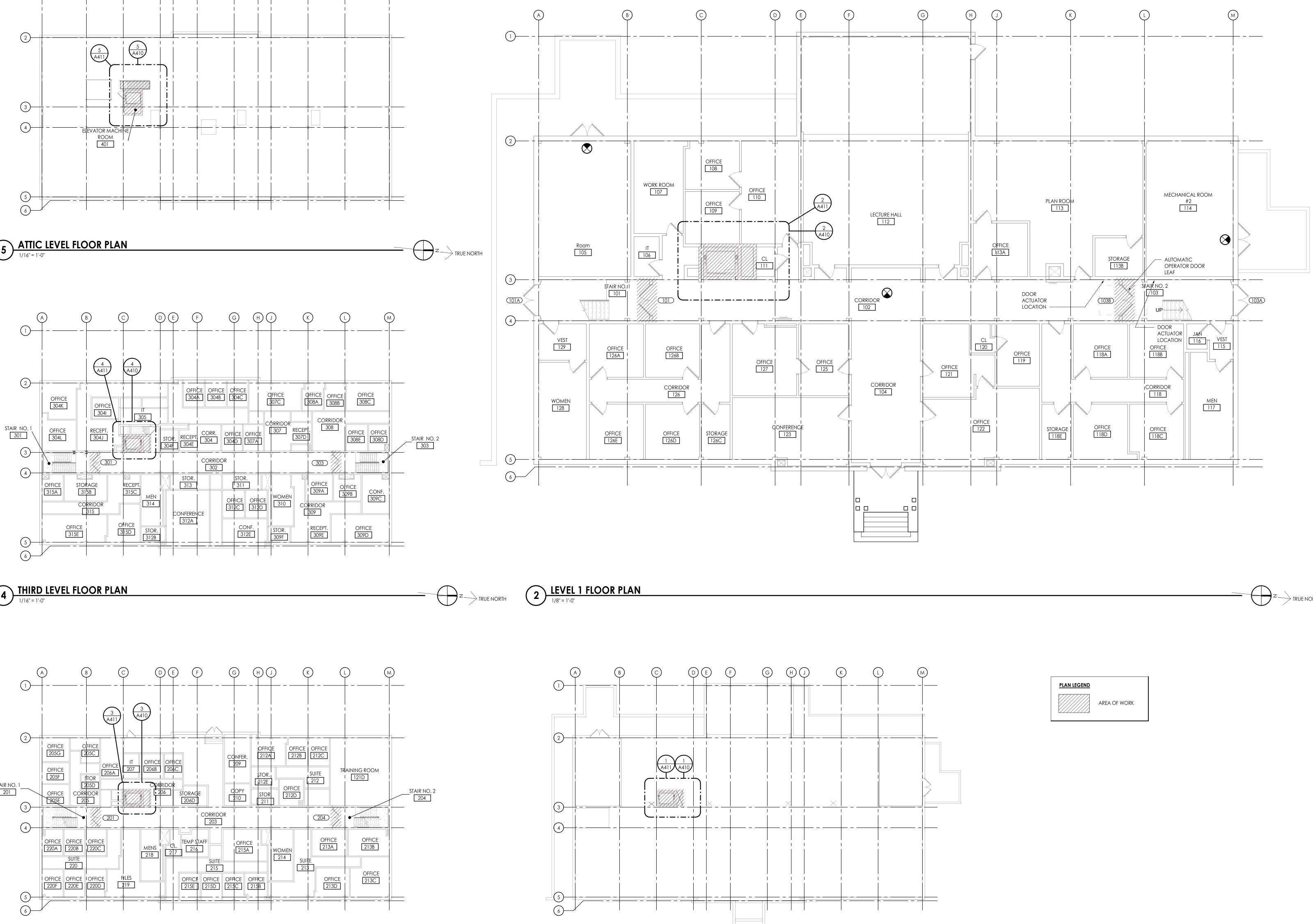


3 SECOND LEVEL FLOOR PLAN

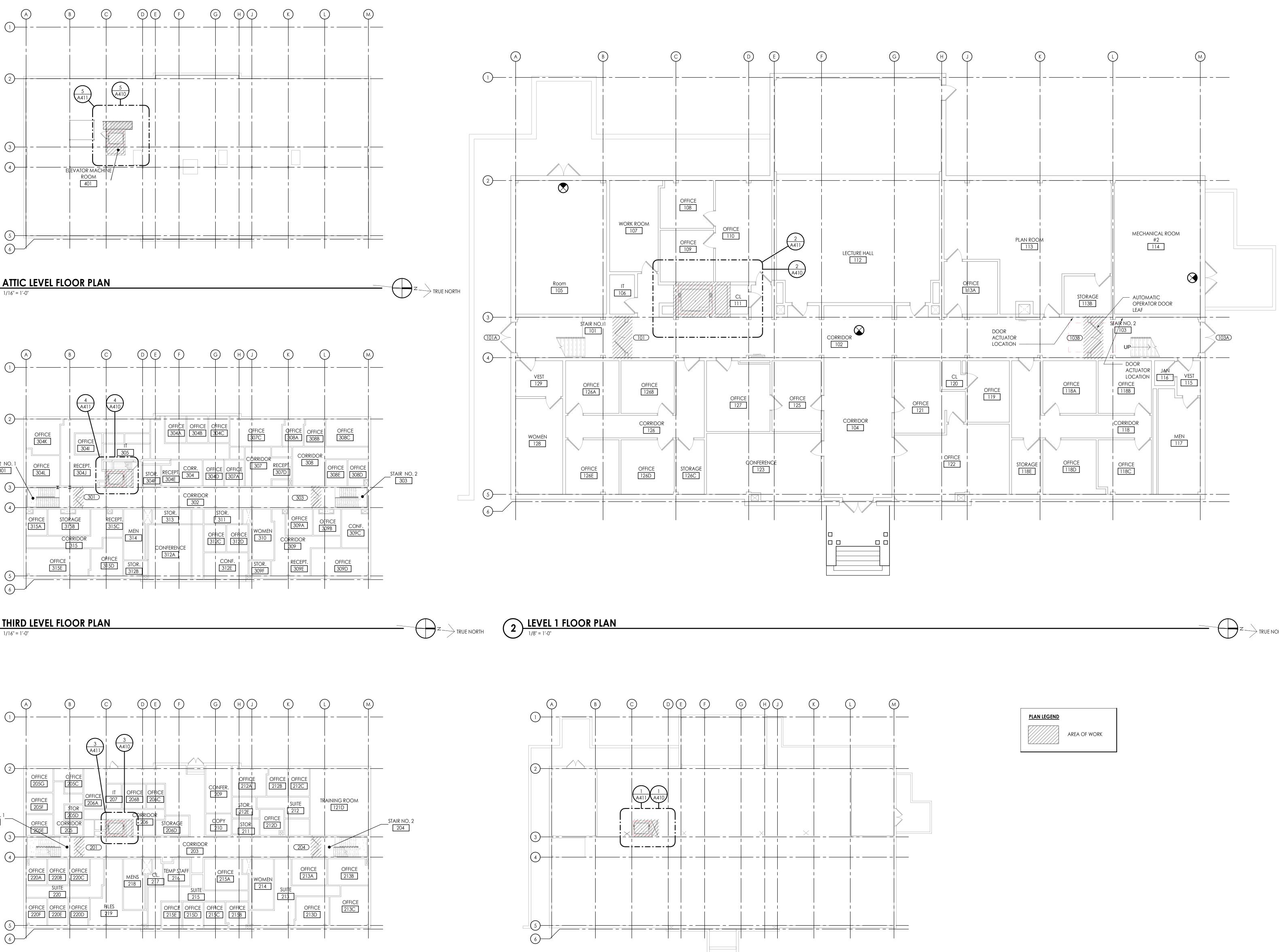


CRAWL SPACE/ ELEVATOR PIT LEVEL

1/16" = 1'-0"

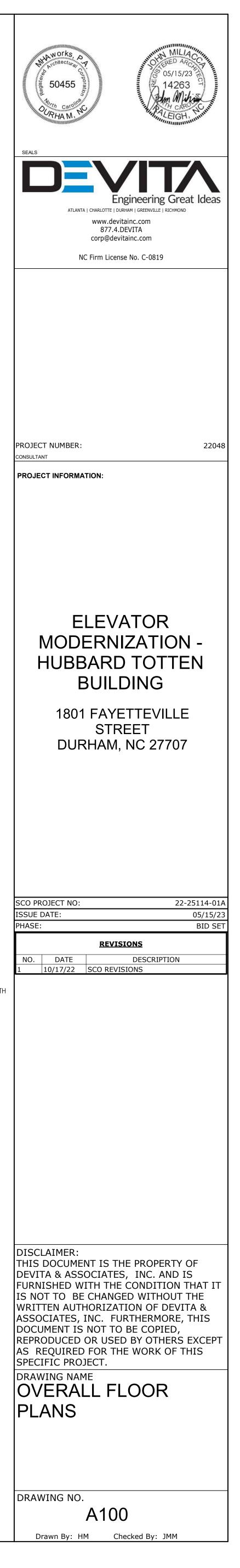


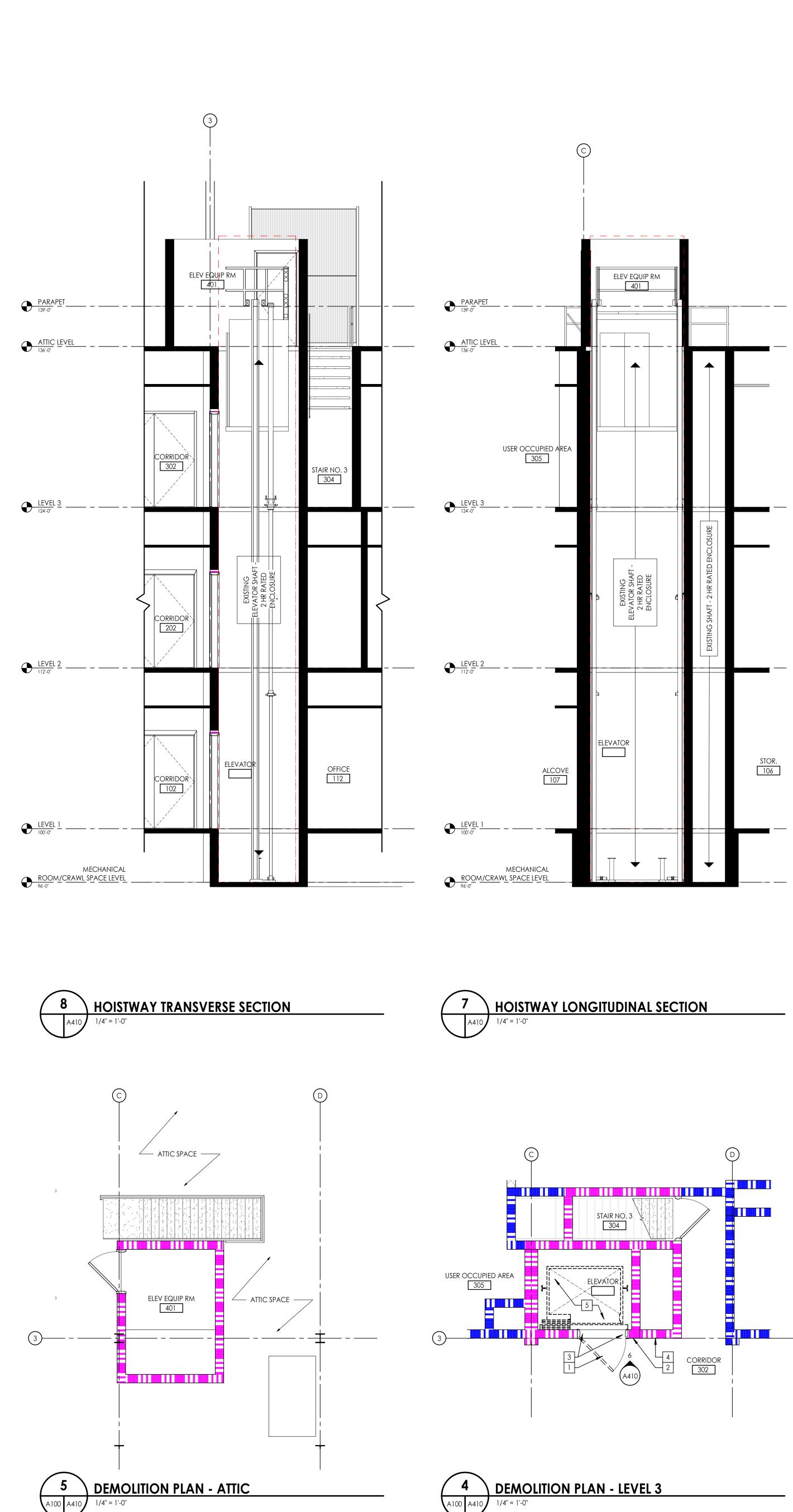




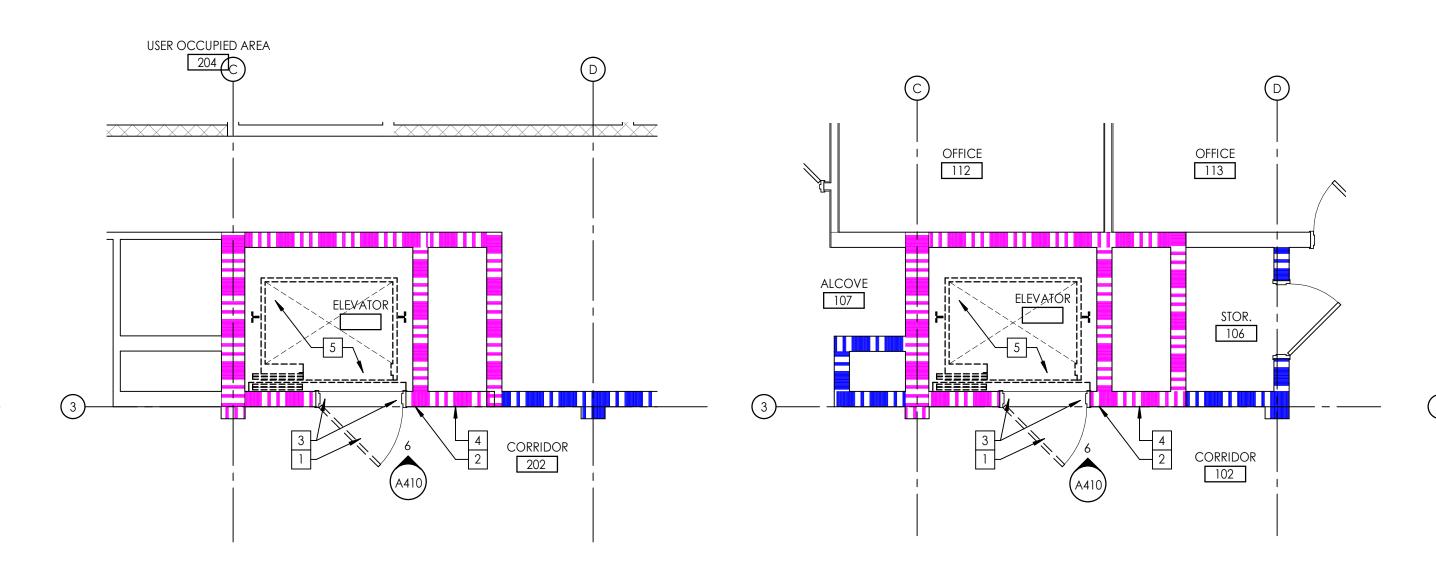
PLAN LEGEND	
	AREA OF WORK

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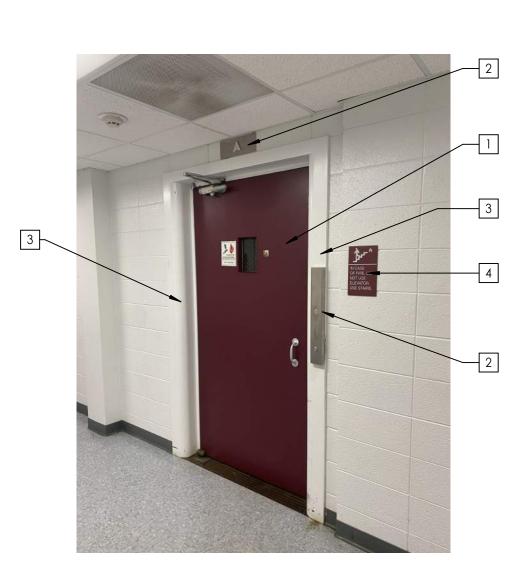




3 DEMOLITION PLAN - LEVEL 2 A100 A410 1/4" = 1'-0"

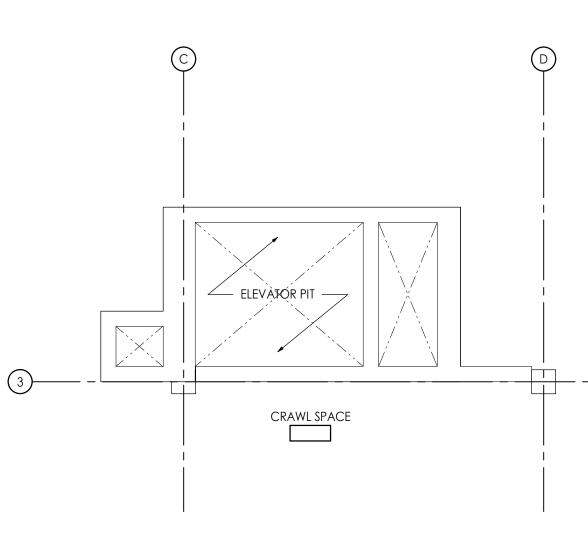


2

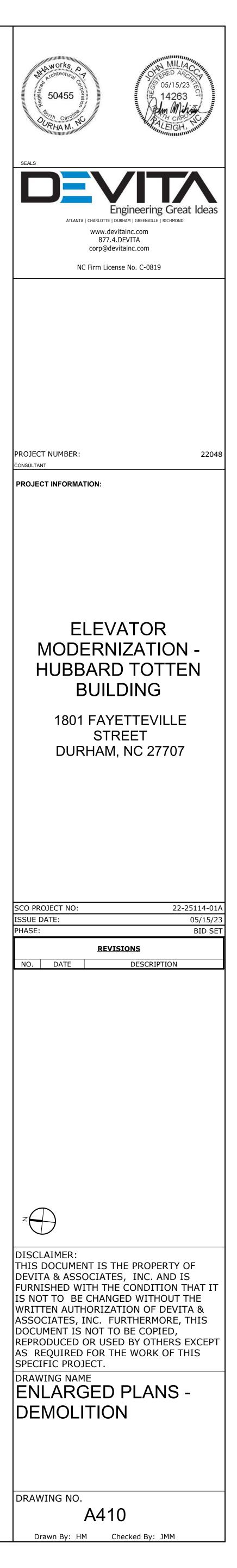


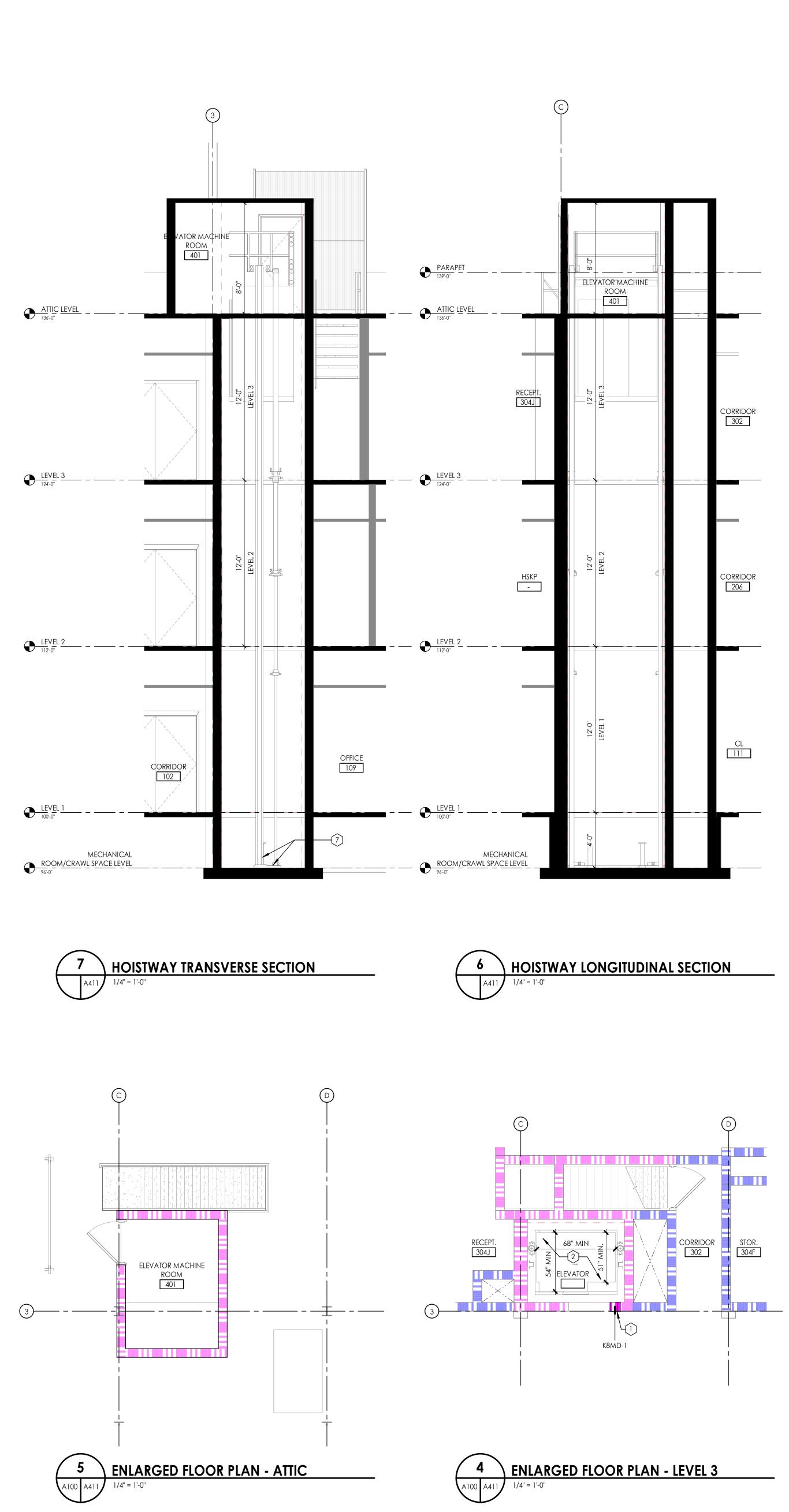
6 EXISTING ELEVATOR IMAGE (ALL FLOORS) A410 A410 3" = 1'-0"

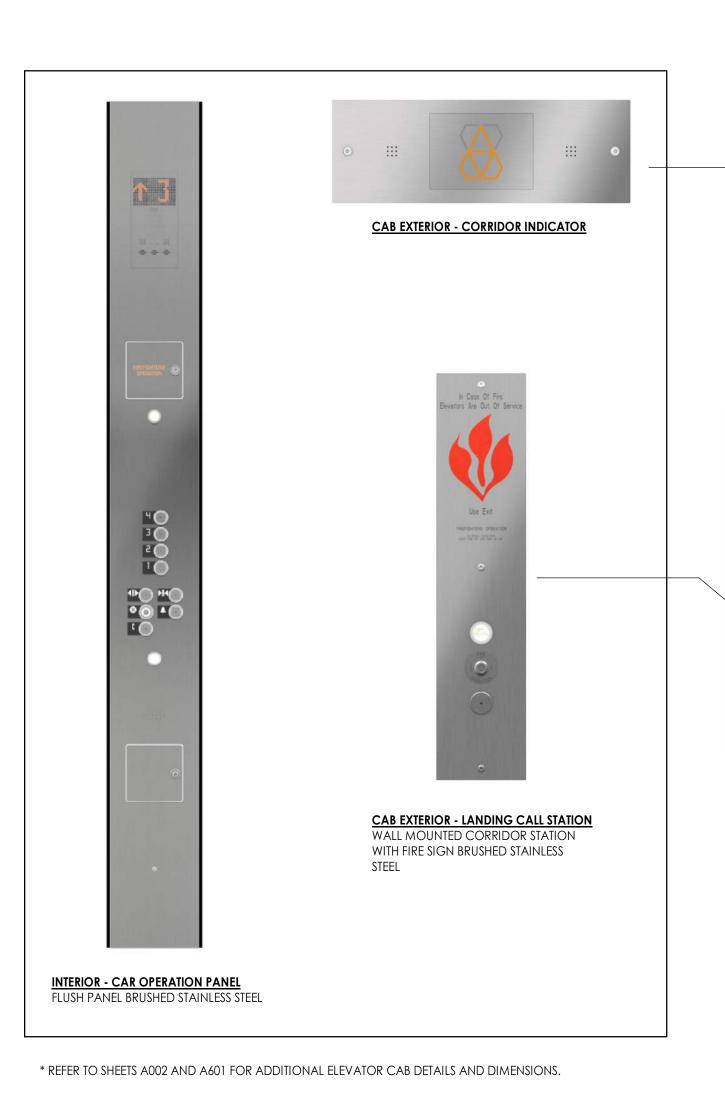
A.	GENERAL DEMOLITION NOTES: ALL NCCU STANDARD PRACTICES SHALL BE STRICTLY ADHERED TO BY THE
	G.C. FIELD VERIFY ALL EXISTING CONDITIONS AND FINISHES PRIOR TO
ь.	SUBMITTING A BID AND START OF ANY WORK. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND OWNER FOR EVALUATION BEFORE SUBMITTING A BID OR CONTINUING WITH WORK.
C.	FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF WORK. CONDITIONS THAT PROHIBIT THE WORK FROM BEING PERFORMED AS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR EVALUATION BEFORE CONTINUING WORK.
D.	VERIFY WITH THE OWNER PRIOR TO THE START OF WORK THE EXTENT OF DEMOLITION ITEMS TO BE SALVAGED. ALL DEMOLITION IS TO BE LIMITED TO THE EXTENT REQUIRED FOR NEW WORK. ALL UNUSED ITEMS SHALL BE DEMOLISHED AND REMOVED RATHER THAN ABANDONED IN PLACE. PROTECT ALL ITEMS AND EXISTING SURFACES TO REMAIN FROM DAMAGE AS REQUIRED.
E.	CONTRACTOR SHALL OFFER OWNER FIRST RIGHT OF REFUSAL FOR ALL SALVAGEABLE ITEMS NOT SCHEDULED FOR REUSE.
F.	ITEMS NOT BEING SALVAGED SHALL BE TRANSPORTED AND DISPOSED OF IN A LEGAL MANNER IN ACCORDANCE WITH ALL APPLICABLE CODES. CONTRACTORS SHALL RETAIN ALL DISPOSAL RECORDS.
G.	REFER TO SPECIFICATIONS FOR DEMOLITION REQUIREMENTS, UTILITY DISRUPTIONS, AND WORK HOURS.
Н.	G.C. SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING ITEMS TO REMAIN AS REQUIRED FOR THE DURATION OF CONSTRUCTION.
١.	CLEAN AND PREPARE EXISTING SURFACES/SUBSTRATES TO REMAIN AS REQUIRED FOR PROPER INSTALLATION OF NEW FINISHES PER MANUFACTURER'S RECOMMENDATIONS AND CONTRACT DOCUMENTS.
J.	PERFORM DEMOLITION WORK IN A MANNER SO AS TO MINIMIZE DAMAGE TO EXISTING SURROUNDING ITEMS TO REMAIN. ANY ADJACEN SURFACE THAT IS DISTURBED BY NEW CONSTRUCTION SHALL BE PATCHED REPAIRED, PRIMED, PAINTED, ETC. TO MATCH EXISTING ADJACENT SURFACES. ALL GYPSUM BOARD FINISH SURFACES SHALL HAVE A MINIMUM OF LEVEL 4 FINISH.
К.	SEAL ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES AS REQUIRED BY THE CURRENT NC BUILDING CODE. USE UL DETAILS INCLUDED IN THE CONTRACT DOCUMENTS. SHOULD THE G.C. DISCOVER CONCEALED CONDITIONS WHICH ARE NOT CORRECTLY ADDRESSED, THOSE ITEMS SHALL BE DOCUMENTED AND SEALED USING A UL LISTED METHOD APPROPRIATE TO THE RATING.
L.	SELECTED DEMOLITION IS TO INCLUDE (BUT NOT LIMITED TO) ITEMS DASHED ON DEMOLITION DRAWINGS AND AS NOTED IN KEYED DEMOLITION NOTES.
М.	CONTRACTORS ARE TO VERIFY THAT NEW OPENINGS, PENETRATIONS AND DEMOLITION DO NOT CONFLICT WITH EXISTING STRUCTURES TO REMAIN. NOTIFY ARCHITECT IMMEDIATELY OF ANY POTENTIAL CONFLICTS PRIOR TO COMMENCING DEMOLITION. ADJUST LOCATIONS OF NEW PENETRATIONS AND DEMOLITION AS AGREED UPON WITH ARCHITECT.
N.	RECENT PRIOR RENOVATIONS TO THE BUILDING INCLUDED ABATEMENT OF HAZARDOUS MATERIALS. IT IS ASSUMED THAT THERE WILL BE NO HAZARDOUS MATERIALS TO CONTEND WITH FOR THIS PROJECT. SHOULD THE G.C. ENCOUNTER A CONCEALED OR HIDDEN CONDITION THAT REQUIRES TESTING AND ABATEMENT, THE G.C. SHALL STOP WORK WITHIN THE AFFECTED AREA AND NOTIFY THE ARCHITECT AND OWNER IMMEDIATELY. SUCH CONCEALED OR HIDDEN CONDITIONS FOUND DURING CONSTRUCTION THAT REQUIRE TESTING AND ABATEMENT WILL BE THE RESPONSIBILITY OF THE G.G.
	DEMOLITION KEYNOTES:
2. 3.	DEMOLISH EXISITNG DOOR AND FRAME. REMOVE EXISTING ELEVATOR PANELS, SIGNALS AND BUTTONS. REMOVE EXISTING FRAME, PREP WALL TO RECEIVE NEW TRIM. REMOVE EXISTING ELEVATOR SIGNS. REMOVE EXISTING ELEVATOR IN IT ENITERTY. PREP SHAFT TO RECEIVE THE NEW ELEVATOR.

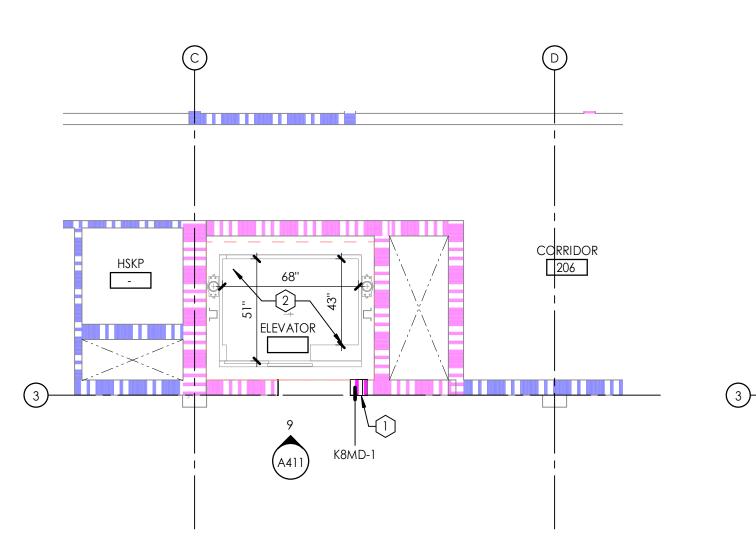


(1) **DEMOLITION PLAN - PIT** A100 A410) 1/4" = 1'-0"

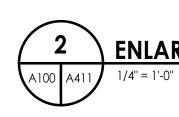


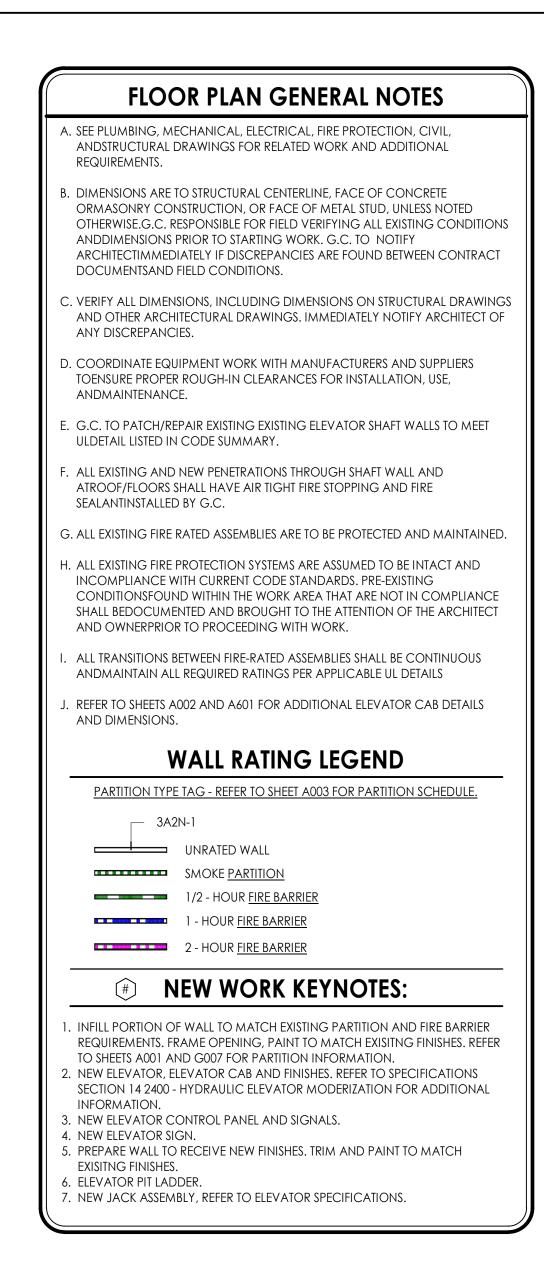






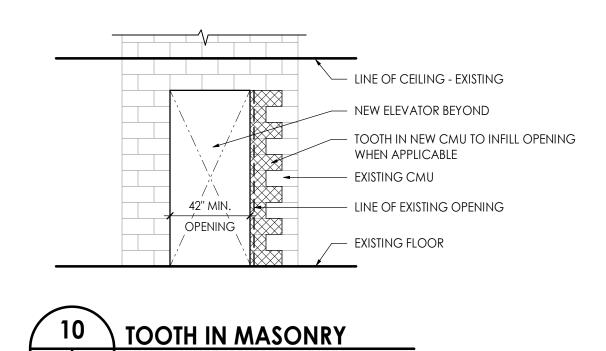
3 ENLARGED FLOOR PLAN - LEVEL 2 A100 A411 1/4" = 1'-0"



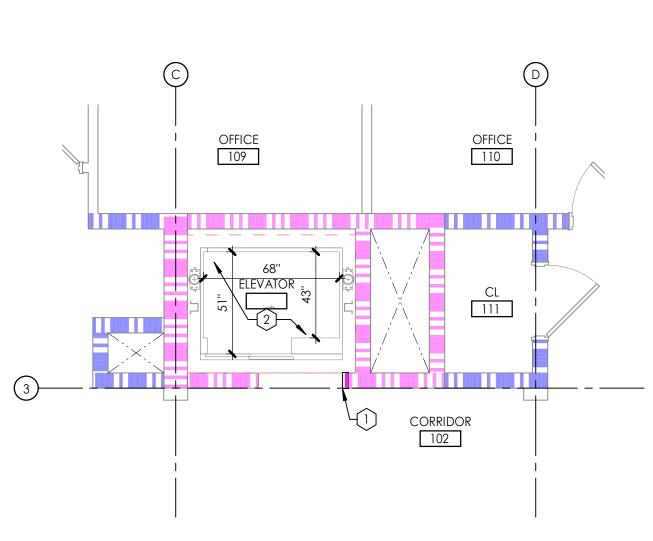


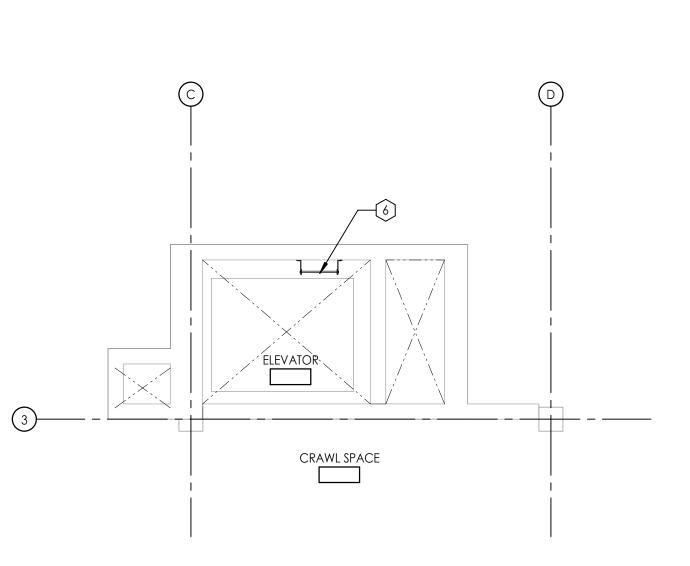


ELEVATOR ELEVATION 1



A411

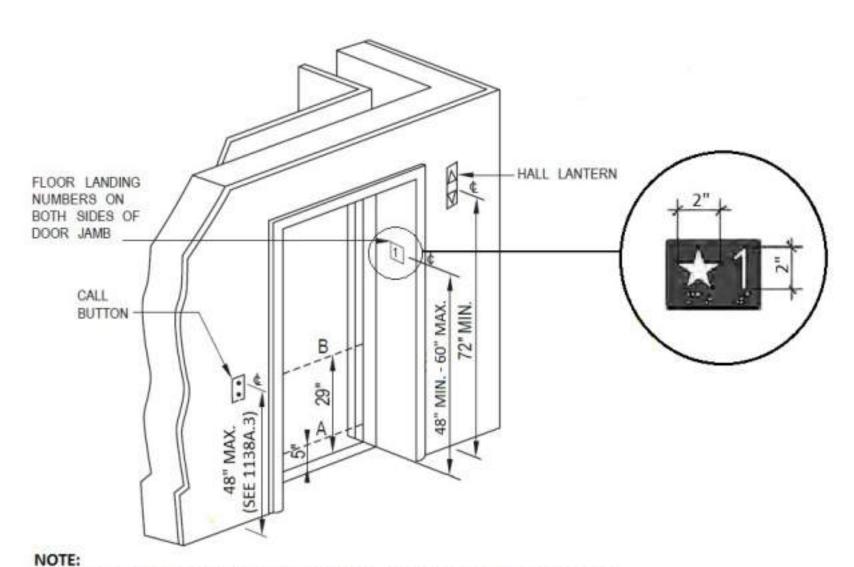




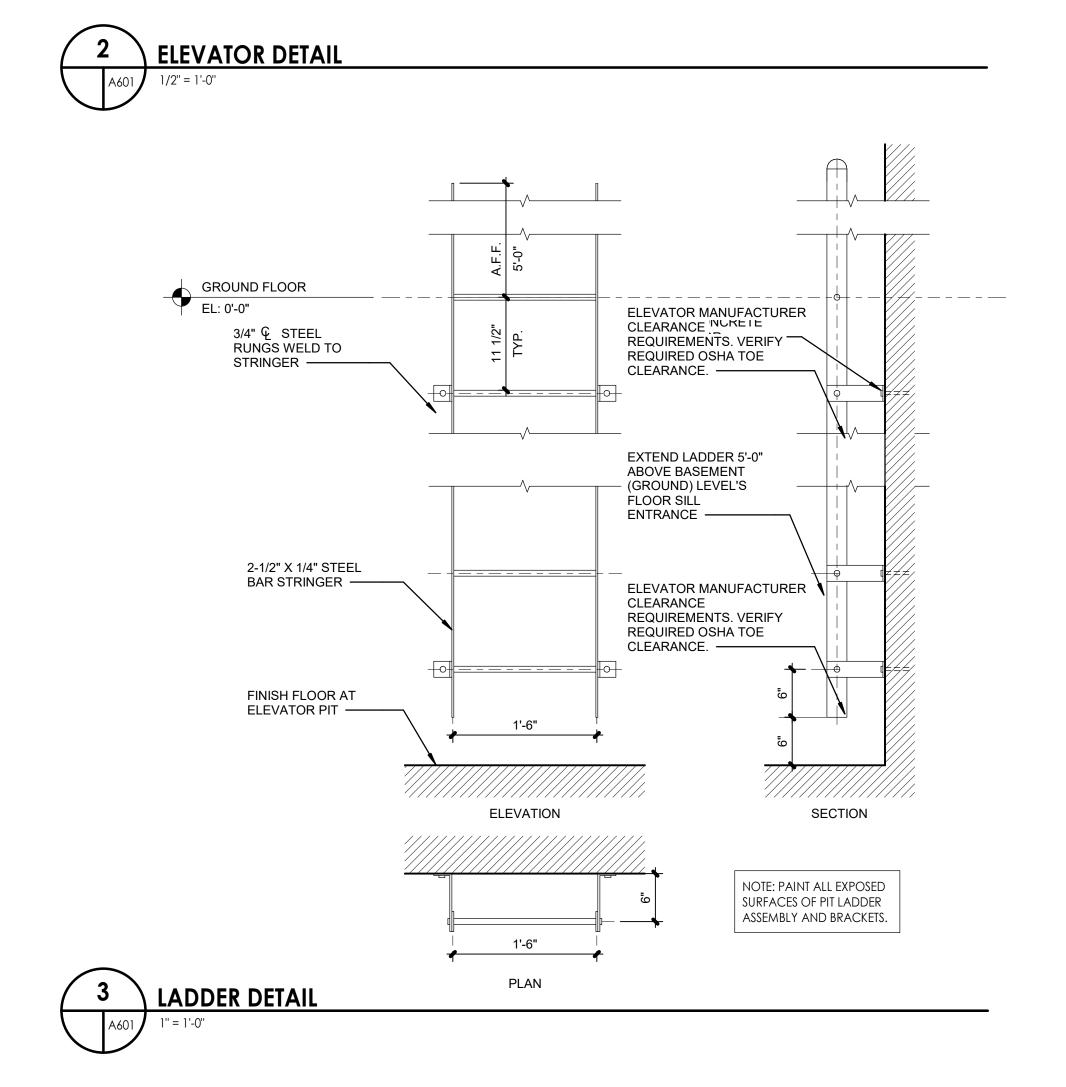
2 ENLARGED FLOOR PLAN - LEVEL 1

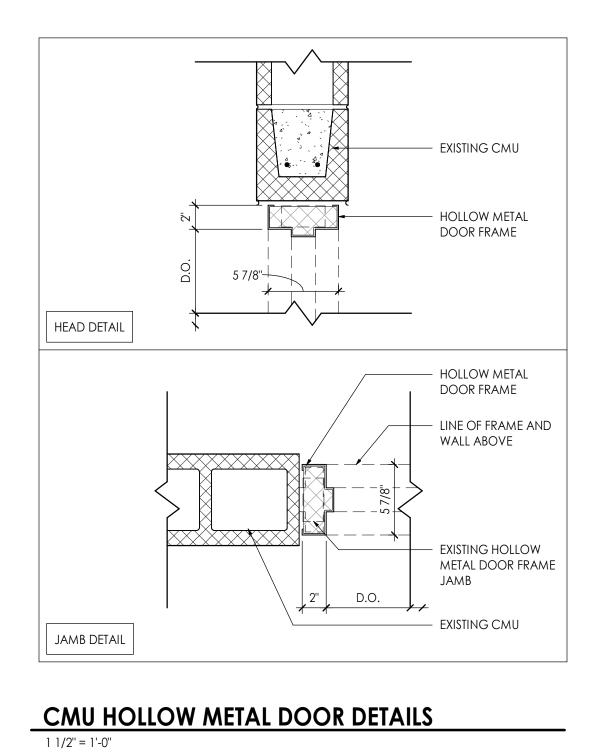
ENLARGED FLOOR PLAN - PIT 1/4" = 1'-0" A100 A411

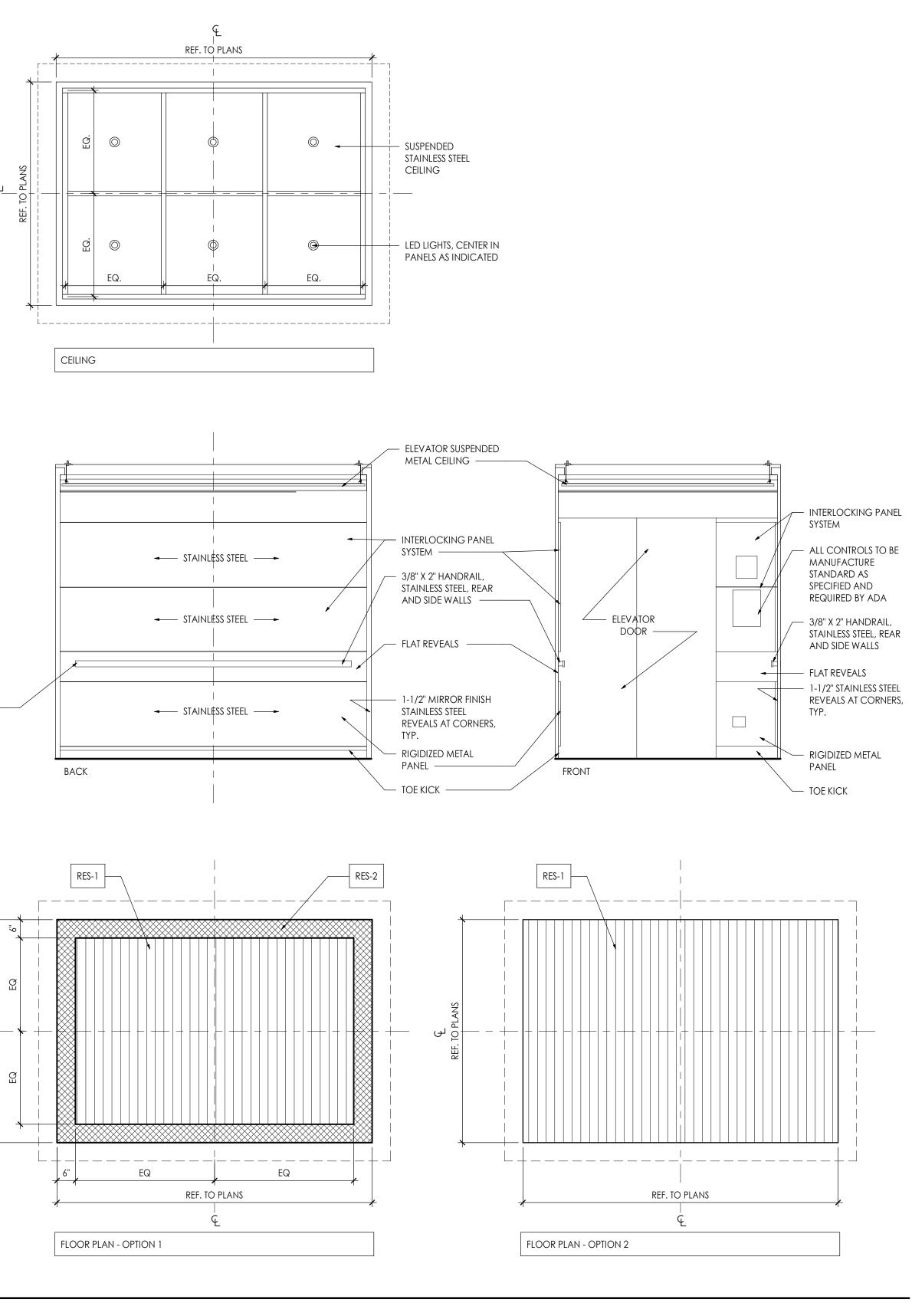


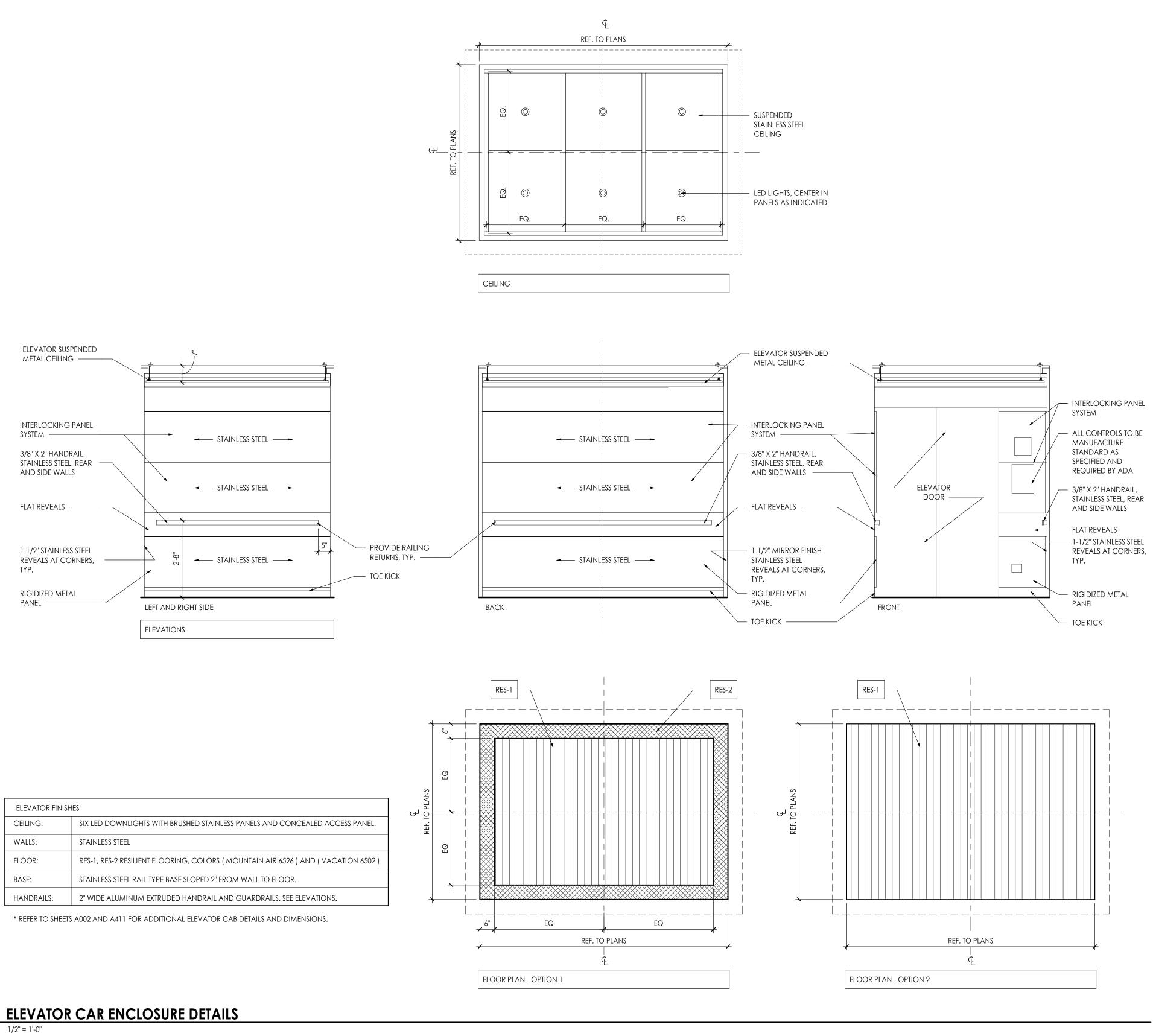


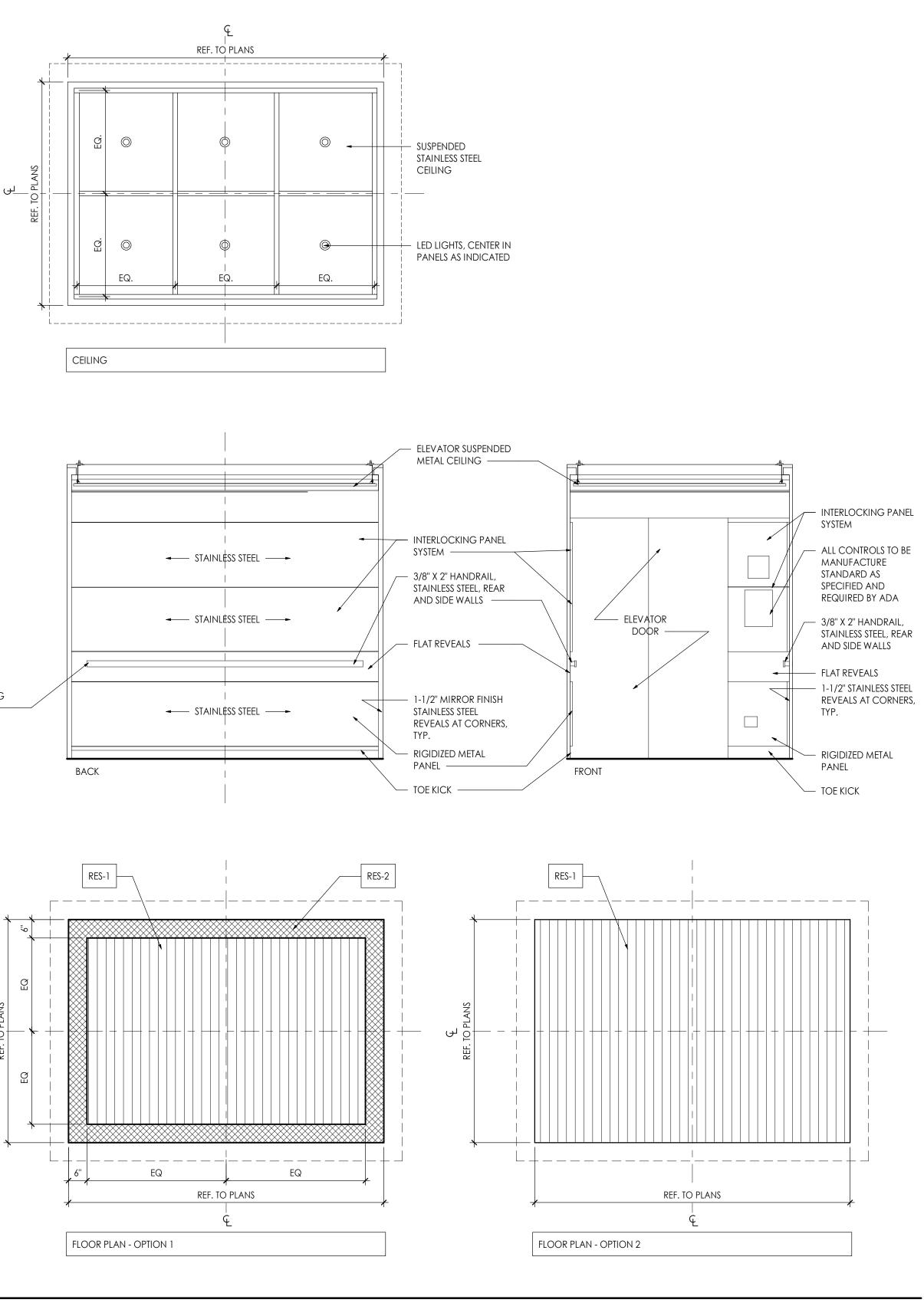
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATION OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT













DOOR & FRAME GENERAL NOTES:

DOOR AND FRAME SCHEDULE ABBREVIATIONS exist. existing HCWD HOLLOW CORE FLUSH WOOD

PFN PREFINISHED BY MANUFACTURER PTD PAINTED

SCWD SOLID CORE FLUSH WOOD HM HOLLOW METAL

3. DOORS ARE 1-3/4" THICK UNLESS OTHERWISE NOTED. 4. AN ASTERISK (*) CALLS ATTENTION TO THE REMARKS COLUMN OF THE SCHEDULE.

1. REFER TO SHEET <u>####</u> FOR DOOR AND HARDWARE SPECIFICATIONS AND MANUFACTURE INFORMATION.

2. OPENINGS NOT SCHEDULED ARE EXISTING TO REMAIN.

DOOR AND FRAME SCHEDULE GENERAL NOTES

U.L. LABEL DESIGNATIONS

U.L.** MINIMUM OPENING PROTECTION ASSEMBLY 20 1 HOUR FIRE-RESISTANCE RATING

** ALL FIRE-RESISTANCE RATED DOORS SHALL BE SMOKE AND DRAFT CONTROL LABELED IN ADDITION TO U.L. LABELS INDICATED.

FIRE DOOR ASSEMBLIES REQUIRED TO HAVE A MINIMUM FIRE PROTECTION RATING OF 20 MINUTES WHERE LOCATED IN 1 HOUR FIRE PARTITION ASSEMBLY.

Hardware Sets

Set: 1.0

Doors: 103 Description: Existing Door, Frame & Hardware - EAC Conversion & Added Low Energy Operator

1 Electric Latch Retraction Rail	68-3299 Match Rail Size	US32D	SA
1 Mortise Cylinder	21 41 GMK	US15	SA
1 Automatic Opener	6061	689	NO
2 Wall Switch	700		NO
1 Keyswitch	МК		SU
1 Door Cord	TSB-C		SU

1 Door Cord

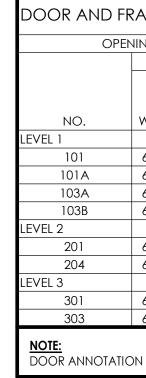
Notes: Replace existing mechanical rail with new electric latch-retraction rail.

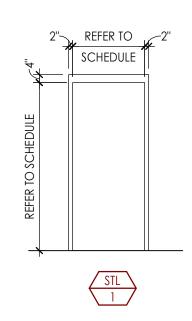
Prep door and hinge jamb for electronic device. Device is powered by 1-Amp output from automatic opener.

OPERATION: Touchless handicap actuator switch either side temporarily retract latchbolt at active leaf

and cycle operator. Key switch toggles outside actuator on & off to secure opening.

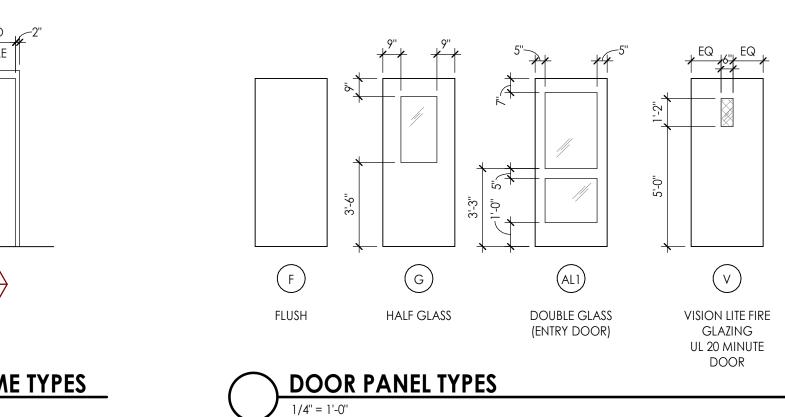
Inside pushbar always allows egress mechanically. Electronic replacement rail is fail secure with inside RX switch.

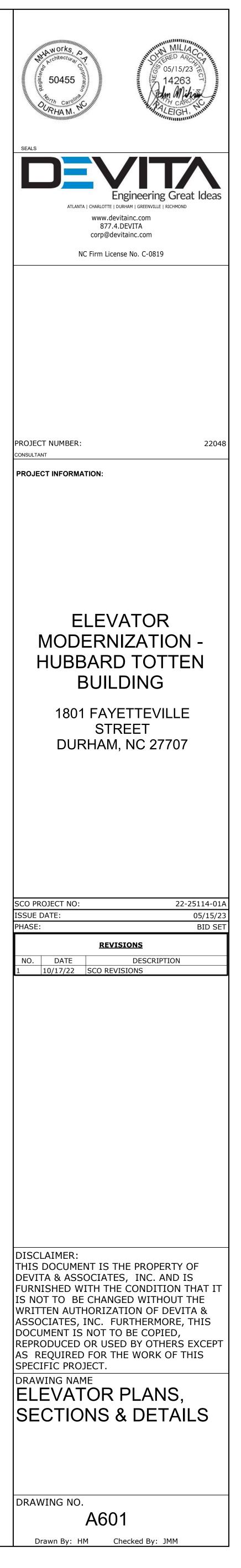






G			DOOR				FRAME						
S	ZE							DE	TAILS			Ш	
/IDTH	HEIGHT	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD	THRESH.	U.L. LABEL	HARDWARE	REMARKS
- 0''	7' - 0''	V	STL	EXISTING	STL-1	STL	existing	EXISTING	EXISTING	EXISTING		EXISTING	
' - 0''	7' - 0''	G	STL	EXISTING	STL-1	STL	existing	EXISTING	EXISTING	EXISTING		existing	
' - 0''	7' - 0''	AL1	STL	EXISTING	STL-1	STL	existing	EXISTING	existing	EXISTING		existing	
' - 0''	7' - 0''	V	STL	EXISTING	STL-1	STL	EXISTING	EXISTING	EXISTING	EXISTING		1	
- 0''	7' - 0''	G	STL	EXISTING	STL-1	STL	EXISTING	EXISTING	EXISTING	EXISTING		existing	
- 0''	7' - 0''	G	STL	EXISTING	STL-1	STL	EXISTING	EXISTING	EXISTING	EXISTING		existing	
- 0''	7' - 0''	G	STL	EXISTING	STL-1	STL	EXISTING	EXISTING	EXISTING	EXISTING		existing	
- 0''	7' - 0''	G	STL	EXISTING	STL-1	STL	EXISTING	EXISTING	EXISTING	EXISTING		EXISTING	





	WIRING DEVICE SYMBOL LEGEND	LIGHTING & CONTROL SYMBOL LEGEND		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	
A-1	HOMERUN TO LIGHTING/SERVICE PANEL. HOMERUN INDICATES PANEL NAME AND CIRCUIT NUMBER OR FEEDER TAG. CONDUCTORS SHALL BE #12 AWG IN 3/4" CONDUIT (1" UNDERGROUND) UNLESS NOTED OTHERWISE. HOMERUNS MAY BE COMBINED INTO A COMMON RACEWAY FOR 20A SINGLE PHASE CIRCUITS ONLY IF DEDICATED NEUTRALS ARE USED OR HANDLE TIES ARE PROVIDED ON CIRCUIT BREAKERS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE SAME TIME. MAXIMUM OF (6) #12 AWG CURRENT CARRYING CONDUCTORS SHALL BE PROVIDED IN RACEWAY. COMPLY WITH NEC FOR CONDUCTOR DERATING AND CONDUIT FILL CONDUIT STUB	\$ _x	20A SWITCH AT 44" CL AFF, UNO FOR SWTICH ABOVE, SUBSCRIPT DEFINITION AS FOLLOWS: a,b - SWITCHING SCHEME D - DIMMER m - MOTOR RATED P - PILOT LIGHT 3 - 3-WAY SWITCH 4 - 4-WAY SWITCH o - OCCUPANCY SENSOR v - VACANCY SENSOR	
•	CONDUIT TURNED DOWN	\$\$	TWO SWITCHES IN COMMON BOX - FOR MULTILEVEL CONTROL AT 44" CL AFF, UNO	
O	CONDUIT TURNED UP	©9	LIGHTING CONTROL OCCUPANCY SENSOR - CEILING MOUNTED	
	CONDUIT INSTALLED BELOW GRADE OR BELOW FINISHED FLOOR	PC	LIGHTING CONTROL PHOTOCELL	
E101	ELECTRICAL CONNECTION TO EQUIPMENT ITEM 'E101' (LETTER DESIGNATION AS APPLICABLE) - SEE CORRESPONDING EQUIPMENT CONNECTION SCHEDULE	0S	DAYLIGHT SENSOR	
₽ ₩	DUPLEX RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R. QUADRUPLEX RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R.		INTERIOR LIGHT FIXTURES AS SPECIFIED ON THE LIGHT FIXTURE SCHEDULE. REFER ALSO TO LIGHTING CIRCUITING GUIDE.	
♦	DUPLEX RECEPTACLE MOUNTED 8" ABOVE COUNTER, UNO. NEMA 5-20R. QUADRUPLEX RECEPTACLE MOUNTED 8" ABOVE COUNTER, UNO. NEMA 5-20R.		LIGHT FIXTURE, HALF SHADING INDICATES EMERGENCY BACKUP. "NL" INDICATES 24/7 OPERATION (UNSWITCHED).	
Φ	DUPLEX RECEPTACLE - CEILING MOUNTED. NEMA 5-20R.			
\square	DUPLEX RECEPTACLE - FLOOR MOUNTED. NEMA 5-20R.	₽₩₫₽₽₽	EXTERIOR LIGHT FIXTURES AS SPECIFIED ON THE LIGHT FIXTURE SCHEDULE. REFER ALSO TO LIGHTING CIRCUITING GUIDE.	
φ	SINGLE RECEPTACLE AT 18" AFF, UNO. NEMA 5-20R.	<u>←</u>	EMERGENCY LIGHTING FIXTURE, WITH BATTERY. REFER TO LIGHT FIXTURE SCHEDULE	
	FOR RECEPTACLES ABOVE, SUBSCRIPT DEFINITION AS FOLLOWS: GFI - GROUND FAULT DEVICE IG - ISOLATED GROUND USB - DEVICE WITH USB PORT WP - WEATHERPROOF CR - CORD REEL		EXIT SIGN CEILING FAN	
\bigcirc	SPECIAL PURPOSE RECEPTACLE - HEIGHT AND TYPE AS NOTED ON DRAWINGS	[
	SURFACE RACEWAY		TECHNOLOGY SYMBOL LEGEND	
J	JUNCTION BOX - MOUNTING HEIGHT AND SIZE AS REQUIRED BY CODE OR AS NOTED ON DRAWINGS	SYMBOL	DESCRIPTION	
J	JUNCTION BOX - FLOOR MOUNTED. SIZE AS REQUIRED BY CODE OR AS NOTED ON DRAWINGS	V	VOICE / DATA ROUGH-IN BOX, AT 18" AFF UNO. PROVIDE WITH 3/4" CONDUIT WITH PULL STRING TO ABOVE CEILING, 6" BUSH END.	
	VERTICAL SERVICE POLE		VOICE / DATA ROUGH-IN BOX, FLOOR-MOUNTED. PROVIDE WITH 3/4" CONDUIT WITH PULL STRING TO ABOVE CEILING, 6" BUSH END.	
$\Phi \mathbf{V}$	COMBINATION IN FLOOR POWER / DATA / A/V DEVICE.		TELEVISION OUTLET. SINGLE GANG BOX WITH SINGLE GANG PLASTER RING. PROVIDE	
•	PUSHBUTTON	HÈ	WITH 3/4" CONDUIT WITH PULL STRING TO ABOVE CEILING, 6" BUSH END. PROVIDE WITH	
\Diamond	MOTOR. SEE DRAWINGS FOR DESCRIPTION		ADJACENT DUPLEX RECEPTACLE.	
2 30A/3P/20/1	SAFETY DISCONNECT SWITCH. "30" INDICATES AMP RATING, "3P" INDICATES NUMBER OF POLES, "20" INDICATES FUSE SIZE, "1" INDICATES NEMA ENCLOSURE RATING (1, 3R, 4X, ETC). HEAVY DUTY SAFETY SWITCH UNLESS NOTED OTHERWISE. "NF" INDICATES NON-FUSED.		SECURITY CAMERA. COORDINATE REQUIREMENTS WITH OWNER.	
\boxtimes^{\downarrow}	COMBNATION MOTOR STARTER			
\boxtimes	MOTOR STARTER		ABBREVIATIONS	
Bo	DOOR BELL	AFG ABOVE	FINISHED FLOOR FINSHED GRADE COUNTER HEIGHT	

FIRE ALARM SYMBOL LEGEND

SYMBOL	DESCRIPTION			
FAAP	FIRE ALARM ANNUNCIATOR PANEL - WALL MOUNTED AT 60" AFF TO CENTER, UNO			
FACP	FIRE ALARM CONTROL PANEL - WALL MOUNTED AT 72" AFF TO TOP, UNO			
FATC	FIRE ALARM TERMINAL CABINET - WALL MOUNTED AT 72" AFF TO TOP, UNO			
	FIRE ALARM PULL STATION AT 44" AFF. UNO			
Ē _C	FIRE ALARM VISUAL DEVICE. ROUGH-IN SUCH THAT BOTTOM OF LENS IS NO LESS THAN 80" AFF. "C" SUBSCRIPT INDICATES CEILING MOUNTED.			
Ec	FIRE ALARM AUDIO/VISUAL DEVICE. ROUGH-IN SUCH THAT BOTTOM OF VISUAL LENS IS NO LESS THAN 80" AFF. "C" SUBSCRIPT INDICATES CEILING MOUNTED.			
Ec	FIRE ALARM HORN AUDIO DEVICE. ROUGH-IN SUCH THAT BOTTOM OF DEVICE IS NO LESS THAN 80"AFF. "C" SUBSCRIPT INDICATES CEILING MOUNTED.			
Ē	FIRE ALARM SYSTEM BELL			
\bigcirc	FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED, UNO			
	FIRE ALARM SMOKE DUCT DETECTOR			
RTS	REMOTE TEST STATION FOR FA DUCT DETECTOR			
TS	TAMPER SWITCH			
FS	FLOW SWITCH			
ΗD	HEAT DETECTOR			
\odot	CO DETECTOR			
D	MAGNETIC DOOR HOLDER, AT 72" AFF UNO			
├┼■	MOTORIZED SMOKE DAMPER			
	FA SMOKE DAMPER			
	DISTRIBUTION SYMBOL LEGEND			
SYMBOL	DESCRIPTION			

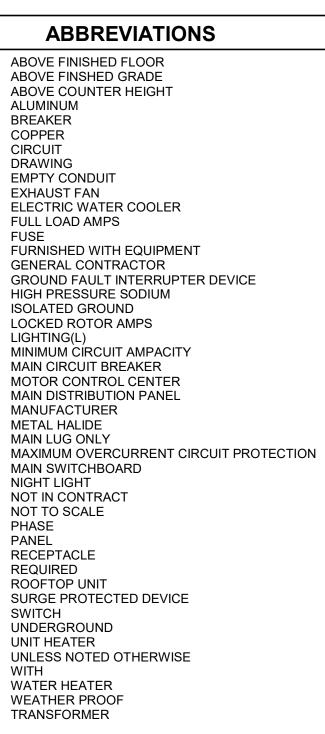


DISTRIBUTION SYMBOL LEGEND				
SYMBOL	DESCRIPTION			
	ELECTRICAL PANEL, SURFACE MOUNTED.			
	ELECTRICAL PANEL, FLUSH MOUNTED.			
T1	TRANSFORMER			
ATS	AUTOMATIC TRANSFER SWITCH			

LIGHTING CIRCUITING GUIDE					
SYMBOL	DESCRIPTION				
B / X-1 → (a)	LIGHTING TYPE AND CIRCUIT DESIGNATION X: REFER TO PANEL SCHEDULE, PER DRAWING 1: CIRCUIT NUMBER B: LIGHT FIXUTRE TYPE, REFER TO LIGHT FIXTURE SCHEDULE				

POWER CIRCUITING GUIDE

X-1 - POWER CIRCUITING DESIGNATION X: REFER TO PANEL SCHEDULE, PER DRAWING 1: CIRCUIT NUMBER DEVICE, JUNCTION BOX, FLOOR BOX, ETC EQUIPMENT ABBREVIATION, REFER TO LEGEND AND ABBREVIATION SCHEDULE FOR ADDITIONAL INFORMATION	SYMBOL	DESCRIPTION
EQUIPMENT ABBREVIATION, REFER TO LEGEND AND	xxx XXX XXX	X: REFER TO PANEL SCHEDULE, PER DRAWING
		——DEVICE, JUNCTION BOX, FLOOR BOX, ETC
		EQUIPMENT ABBREVIATION, REFER TO LEGEND AND ABBREVIATION SCHEDULE FOR ADDITIONAL INFORMATION



- 1. IT SHALL BE UNDERSTOOD THAT ALL WORK PERFORMED SHALL BE DONE BY A LICENSED ELECTRICAL CONTRACTOR AND IN A FIRST CLASS WORKMANLIKE MANNER. SAID CONTRACTOR SHALL MEET ALL REQUIREMENTS SET FORTH BY ANY LOCAL ORDINANCE AND/OR GOVERNING AUTHORITIES.
- 2. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2020 NATIONAL ELECTRICAL CODE WITH NORTH CAROLINA AMENDMENTS, THE LATEST EDITIONS OF ALL LOCAL CODES, RULES, AND ORDINANCES HAVING JURISDICTION, THE STATE CONSTRUCTION OFFICE REQUIREMENTS FOR STATE WORK, AND THE ELEVATOR DIVISION REQUIREMENTS OF THE NCDOL. 3. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR,
- MATERIALS, AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK SHOWN AND/OR NOTED ON THE DRAWINGS. 4. ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LIABILITY
- AND PROPERTY DAMAGE FOR THE DURATION OF THE WORK. 5. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID AND VERIFY ALL CONDITIONS, LOCATIONS, DIMENSIONS AND COUNTS AS SHOWN AND/OR NOTED ON THE DRAWINGS. THIS SHALL INCLUDE ANY AND ALL FABRICATIONS REQUIRED PRIOR TO INSTALLATION.
- 6. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE ADVANCED ORDERING OF LONG LEAD ITEMS SO AS NOT TO INTERFERE WITH THE PRODUCTION OF OTHER TRADES RESULTING IN ANY DOWN OR LAG TIME.
- 7. CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE, UNLESS INDICATED OR SPECIFIED OTHERWISE.
- 8. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- 9. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR TO ORIGINAL CONDITIONS ANY AND ALL DAMAGES TO BUILDING SURFACES, EQUIPMENT AND FURNISHINGS CAUSED DURING PERFORMANCE OF WORK.
- 10. ELECTRICAL CONTRACTOR SHALL NOT SCALE DRAWINGS. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT UNLESS NOTED OTHERWISE.
- 11. ALL ELECTRICAL EQUIPMENT, DEVICES, WIRE, ETC., SHALL BE LISTED FOR THE INTENDED USE, WITH UNDERWRITER'S LABORATORIES, INC. (UL) OR WITH THIRD PARTY AGENCIES WHICH SHALL BE AMONGST THOSE ACCREDITED BY THE NCBCC (NORTH CAROLINA BUILDING CODE COUNCIL) TO LABEL ELECTRICAL AND MECHANICAL EQUIPMENT. AS A MINIMUM, ALL EQUIPMENT SHALL MEET APPLICABLE STANDARDS FOR THE TYPE OF EQUIPMENT AND INTENDED USE OF THE FOLLOWING: A. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI). B. ILLUMINATING ENGINEERS SOCIETY (IES). C. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM). D. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
- NOTE: THESE STANDARDS ARE SUBORDINATE TO CODES AND STANDARDS SET BY UL, OR OTHER THIRD PARTY AGENCY ACCEPTABLE BY NORTH CAROLINA. 12. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- 13. THE ELECTRICAL CONTRACTOR SHALL KEEP ALL AREAS IN WHICH WORK IS BEING PERFORMED, FREE FROM DEBRIS AT ALL TIMES AND SAID AREAS SHALL BE LEFT BROOM CLEAN AT THE END OF EACH WORKING DAY.
- 15. ARCHITECTURAL AND/OR ENGINEERING EXPENSES THAT ARE INCURRED DUE TO REVISIONS OR SUBSTITUTIONS REQUESTED BY THE CONTRACTOR SHALL BE PAID FOR BY THAT CONTRACTOR.
- 16. ELECTRICAL CONTRACTOR SHALL SUBMIT ELECTRONIC COPIES OF EQUIPMENT LAYOUT FOR ALL ELECTRICAL SPACES, ROOMS, ETC. TO ENGINEER FOR APPROVAL PRIOR TO ORDERING EQUIPMENT OR INSTALLING CONDUITS, ETC. LAYOUT SHALL CONSIST OF PLAN VIEWS (SCALED AT 1/2" = 1'-0") AND ELEVATIONS (DIMENSIONED) FOR EACH SUCH SPACE, ROOM, ETC.
- 17. ELECTRICAL CONTRACTOR SHALL SUBMIT AT ONE TIME. ONE ELECTRONIC PDF COPY OF ALL PRODUCTS, MATERIALS, LIGHTING FIXTURES, LAMPS, WIRING DEVICES, SWITCHGEAR, ETC. ORGANIZED BY SPEC SECTION. ALL EQUIPMENT SHALL BE AS SPECIFIED ON PLANS. THE RESPONSIBILITY TO ACCEPT OR REJECT ANY PROPOSED SUBSTITUTION REMAINS WITH THE PROJECT ENGINEER. THE CONTRACTOR MAY AT HIS JUDGMENT USE ANY ARTICLE, DEVICE, PRODUCT, OR MATERIAL WHICH IN THE JUDGMENT OF THE ENGINEER EXPRESSED IN WRITING ARE EQUAL TO THAT SPECIFIED.
- 18. UNLESS NOTED AS EXISTING, ALL EQUIPMENT, WIRING, DEVICES, ETC., SHALL BE NEW AND AS SPECIFIED.
- 19. COORDINATE ALL ELECTRICAL SITE WORK WITH OWNER AND ENGINEER PRIOR TO INSTALLATION.
- 20. PROVIDE PROPOSED SCHEDULE OF WORK.



- 2. THIS IS AN OCCUPIED BU RESIDENTS. OUTAGES S
- 3. FOR ITEMS TO BE DEMOLI TO REMAINING ITEMS ON REQUIRED. PROPERLY TE
- 4. PATCH AND REPAIR ALL ADJACENT SURFACES.
- 5. ANY EXISTING ELECTRICA PRESENTLY SERVED. NO
- 6. IF OTHER AREAS OF THE THE OWNER TO MINIMIZ
- . EXISTING CONDUIT IN TH SPACES AND WALLS. EXI
- BELOW FLOOR, AND GROU

- 14. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS, AND TESTING.

- 21. ALL WIRING SHALL BE COPPER IN EMT OR IMC OR RIGID GRS. FITTINGS SHALL BE COMPRESSION TYPE. LFMC SHALL NOT BE USED WHERE SUBJECT TO PHYSICAL DAMAGE.
- 22. APPLY BITUMASTIC COATING TO ALL METALLIC CONDUITS IN SLABS OR UNDERGROUND. 23. NOTIFY OWNER 7 DAYS IN ADVANCE OF PROPOSED OUTAGES.
- 24. WIRE WAYS SHALL BE SIZED AS REQUIRED, PER NEC, UNLESS OTHERWISE NOTED.
- 25. ALL ELECTRICAL EQUIPMENT SHALL BE NEMA 3R AND RAINTIGHT WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUID-TIGHT.
- 26. OUTLET BOXES SHALL BE STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS AND SPECIAL ENCLOSURE FOR OTHER CLASSIFIED AREAS. PROPER PLASTER RINGS SHALL BE USED WITH OUTLET BOXES. PROPER COORDINATION BETWEEN ELECTRICAL SUBCONTRACTOR AND GENERAL CONTRACTOR FOR PLASTER RING INITIATION WILL BE REQUIRED. ALL OUTLET BOXES SHALL BE SET PROPERLY AT INSTALLATION AS NO "GOOF" RINGS WILL BE ALLOWED. ALL OUTLET BOXES SHALL BE SECURELY FASTENED. ALL DEVICES SHALL BE WHITE (DECORA TYPE) WITH STAINLESS STEEL PLATES (UON).
- 27. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, AS INDICATED OR REQUIRED, WITH CLASS 10 ELECTRICAL OVERLOAD RELAYS IN EACH HOT LEG.
- 28. CONTRACTOR SHALL PROVIDE ALL NECESSARY SCAFFOLDING, ETC. AS REQUIRED.
- 29. ALL DISCONNECT SWITCHES SHALL BE SIZED BY NEC TO ACCOMMODATE EQUIPMENT SERVED, INCLUDING REQUIRED FUSES, U.O.N., DISCONNECT SWITCHES SHALL BE HORSEPOWER RATED, HEAVY-DUTY TYPE.
- 30. ALL FUSES SHALL BE CURRENT LIMITING, PER U.L., RATED 600 VOLTS, UNLESS OTHERWISE NOTED. A. NONTIME DELAY FUSES IN MAIN SWITCHES AND SWITCHES FEEDING PANELS. B. TIME DELAY FUSES FOR MOTOR AND A/C CIRCUITS. ELECTRICAL CONTRACTOR SHALL VERIFY CIRCUIT PROTECTIVE DEVICE RATING FOR EQUIPMENT PRIOR TO CONSTRUCTION.
- 31. TWO AND THREE-POLE CIRCUIT BREAKERS SHALL HAVE COMMON TRIP. NO TIE HANDLES SHALL BE PERMITTED. ALL PANELBOARDS SHALL HAVE COPPER BUS. ALL CIRCUIT BREAKERS SHALL BE INVERSE TIME-TYPE (THERMAL-MAGNETIC).
- 32. WHERE CORE DRILLING OF FLOOR/WALLS IS REQUIRED, CONTRACTOR SHALL SEAL OPENINGS WATERTIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL BE COORDINATED WITH LOCATION OF EQUIPMENT IN A MANNER TO BE CLEAN AND FUNCTIONAL. THE CONTRACTOR SHALL INSTALL ONLY ONE CONDUIT PER HOLE AND SEAL THE OPENING AROUND THE CONDUIT AS SPECIFIED.
- 33. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS OF FIRE RATED PARTITIONS, WALLS, AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY, PRIOR TO SUBMITTING BID, LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS, AND STRUCTURAL SLABS.
- 34. ALL OPENINGS FOR LIGHT FIXTURES IN CEILING SHALL BE PROTECTED IN A MANNER (PER ALL GOVERNING CODES) THAT WILL PROVIDE THE SAME RATING AS THE CEILING. (THIS APPLIES TO ALL FIRE RATED CEILINGS).
- 35. ALL LED LUMINAIRES SHALL HAVE FIELD REPLACEABLE DIMMABLE DRIVERS. 36. ALL CONNECTIONS TO GROUND RODS & BUILDING STEEL SHALL BE MADE WITH UL
- APPROVED WELDED CONNECTIONS, UNLESS OTHERWISE NOTED. 37. THE ELECTRICAL CONTRACTOR SHALL FURNISH A COMPLETE SET OF AS-BUILT DRAWINGS,
- SHOWING ALL CHANGES AND DEVIATIONS TO THE ARCHITECT/ENGINEER PRIOR TO COMPLETION OF THE PROJECT. 38. PREPARE AND AFFIX A TYPEWRITTEN DIRECTORY TO THE INSIDE COVER OF EACH NEW AND
- OR EXISTING (REVISED) PANELBOARD INDICATING LOADS CONTROLLED BY EACH CIRCUIT. 39. EACH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR, NO SHARED NEUTRALS SHALL BE PERMITTED.
- 40. THE STATE CONSTRUCTION OFFICE IS THE AUTHORITY HAVING JURISDICTION (AHJ) FOR THE ELECTRICAL INSPECTIONS ON THIS PROJECT. THE ELEVATOR DIVISION OF THE NCOOL SHARES AUTHORITY WITH RESPECT TO ELEVATOR EQUIPMENT INSTALLATION. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO NOTIFY THE STATE PROPERTY ELECTRICAL INSPECTORS IN THE CONSTRUCTION ADMINISTRATION SECTION OF THE STATE CONSTRUCTION OFFICE AND THE ELEVATOR INSPECTORS OF THE NCDOL, TO SCHEDULE THE REQUIRED INSPECTIONS. SCHEDULING OF FIELD INSPECTORS SHALL BE LIMITED TO
- MONDAY THROUGH FRIDAY UNLESS APPROVED OTHERWISE. NO WORK WILL BE COVERED UP UNTIL AFTER THE INSPECTION HAS BEEN COMPLETED AND APPROVED BY AUTHORIZED NCDOL AND SCO INSPECTORS.

ELECTRICAL DEMOLITION NOTES
REFER TO DRAWINGS AND SPECIFICATIONS FOR DEMOLITION OF EXISTING ELECTRICAL EQUIPMENT AND COORDINATION AND ADDITIONAL REQUIRED WORK.
THIS IS AN OCCUPIED BUILDING AND ALL WORK SHALL BE COORDINATED WITH THE OWNER TO PROVIDE THE LEAST AMOUNT OF DISRUPTION TO THE RESIDENTS. OUTAGES SHALL BE SCHEDULED AT LEAST ONE WEEK IN ADVANCE.
FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING/CONDUIT BACK TO THE LAST ACTIVE DEVICE OR SOURCE PANELBOARD. MAINTAIN CIRCUIT CONTINUITY TO REMAINING ITEMS ON CIRCUITS REQUIRED TO REMAIN. RELOCATE ANY CIRCUITS TO REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
PATCH AND REPAIR ALL SURFACES CONTAINING DEMOLITION. COORDINATE WITH ARCHITECTURAL DRAWINGS. MATERIALS AND FINISHES SHALL MATCH ADJACENT SURFACES.
ANY EXISTING ELECTRICAL DEVICES LEFT WITHOUT POWER DUE TO THIS RENOVATION SHALL BE RECONNECTED TO SAME SIZE CIRCUIT(S) AS PRESENTLY SERVED. NO ELECTRICAL DEVICES SHALL BE LEFT WITHOUT POWER. PROVIDE BLANK COVER PLATES FOR UNUSED OUTLETS, IF ANY.
IF OTHER AREAS OF THE FACILITY ARE SERVED THROUGH THE REMODELED AREA, THEIR CIRCUITS SHALL BE REWORKED AT A TIME COORDINATED WITH THE OWNER TO MINIMIZE ANY AREA BEING WITHOUT POWER. ALL AREAS OF THE FACILITY SHALL MAINTAIN THEIR EXISTING ELECTRICAL SERVICES, REWORKED IF NECESSARY.
EXISTING CONDUIT IN THE RENOVATED AREA SHALL BE REMOVED. EXISTING CONDUIT NOT INTENDED TO BE REUSED SHALL BE REMOVED IN CEILING SPACES AND WALLS. EXISTING CONDUIT BELOW FLOOR SLABS MAY BE ABANDONED IN PLACE. REMOVE ALL WIRING, CUT OFF ABANDONED CONDUIT BELOW FLOOR SLABS MAY BE ABANDONED IN PLACE. REMOVE ALL WIRING, CUT OFF ABANDONED CONDUIT BELOW FLOOR.

8. CONDUCTORS IN RENOVATED AREA SHALL BE NEW. DO NOT REUSE EXISTING WIRING UNLESS NOTED OTHERWISE.

9. PROPERLY DISPOSE OF ALL ITEMS BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT TO RETAIN ANY ELECTRICAL ITEMS REMOVED FROM THE REMODELED AREA AND NOT INDICATED TO BE REUSED. IF THE OWNER DOES NOT WANT THE ITEMS, CONTRACTOR SHALL REMOVE ITEMS FROM THE SITE. COORDINATE ITEMS TO BE RETAINED WITH THE OWNER.

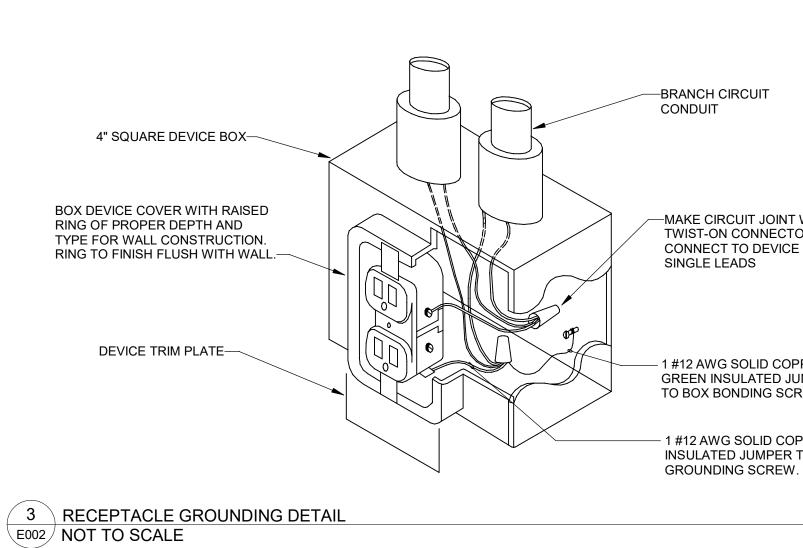
10. WHERE CIRCUIT BREAKERS ARE CHANGED IN EXISTING SWITCHBOARD OR PANELBOARDS, THEY SHALL MATCH EXISTING TYPE, MANUFACTURER, AND AIC RATING AND SHALL BE CURRENT LIMITING TYPE TO MAINTAIN FAULT CURRENT STUDY RATINGS. INFORM ENGINEER IF FAULT CURRENTS WILL BE INCREASED BY THE USE OF DIFFERENT CIRCUIT BREAKERS. UPDATE DIRECTORIES IN EXISTING SWITCHBOARD AND PANELBOARDS TO REFLECT CHANGES BY THIS RENOVATION. DIRECTORIES SHALL BE TYPEWRITTEN.



ELECTRICAL NOTES

- (1) EQUIPMENT OF TRADES OTHER THAN ELECTRICAL
- (2) CONDUIT & WIRING BY HVAC, PLUMBING CONTRACTOR, OR OTHER TRADES.
- (3) IF AN ADDITIONAL DISCONNECT IS REQUIRED BY NEC, IT SHALL BE PROVIDED AND INSTALLED BY THE EQUIPMENT CONTRACTOR.
- (4) A COMBINATION STARTER OR VFD MAY BE USED IN LIEU OF A SEPARATE DISCONNECT SWITCH AND STARTER. LOCATE ADJACENT TO EQUIPMENT.
- (5) FEEDER CIRCUIT WIRING AND CONDUIT IN ELECTRICAL WORK. SEE PANELBOARD SCHEDULES FOR WIRE AND BREAKER SIZES.
- (6) JUNCTION BOX MAY BE SHOWN ON ELECTRICAL PLANS FOR SOME EQUIPMENT. IF NO STARTER OR DISCONNECT SUPPLIED, A JUNCTION BOX SHALL BE INSTALLED ADJACENT TO EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LINE SIDE WIRING TO THE JUNCTION BOX. LOAD SIDE WIRING WILL BE PROVIDED BY MECHANICAL CONTRACTOR OR OTHER TRADES.
- (7) PROJECT UTILIZING ANY MCC, THE STARTER, CN, OR VFD IN THE MCC ARE PROVIDED BY THE ELECTRICAL CONTRACTOR.
- 8 IN ALL CASES THE EQUIPMENT CONTRACTOR SHALL MAKE FINAL CONNECTIONS, START UP, AND TEST EQUIPMENT.
- (9) IN THE ROOF TOP FAN IN NOT PROVIDED WITH BUILT IN SWITCH, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A DISCONNECT SWITCH.
- (10) IN A SINGLE CONTRACT, IT IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR TO COORDINATE BETWEEN THE ELECTRICAL AND THE OTHER TRADES.

1 SEPARATION OF WORK DETAIL E002 NOT TO SCALE



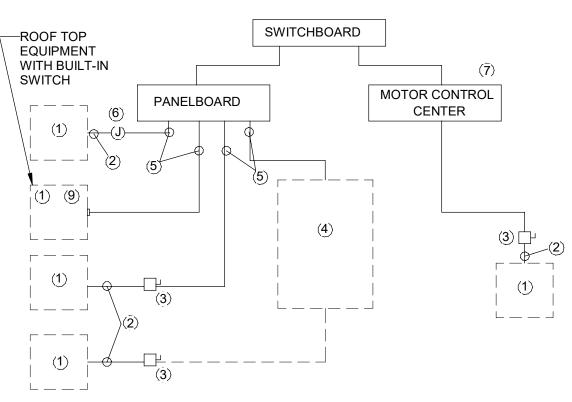


TABLE "A" - V	VORKING C	LEAF	RANCE	S					
VOLTAGE TO GROUND, NOMINALCONDITION:123									
		MIN	. CLEA	R DISTANC	E (FT)				
0-150 151-600			3 3	3 3 1/2	3 4				

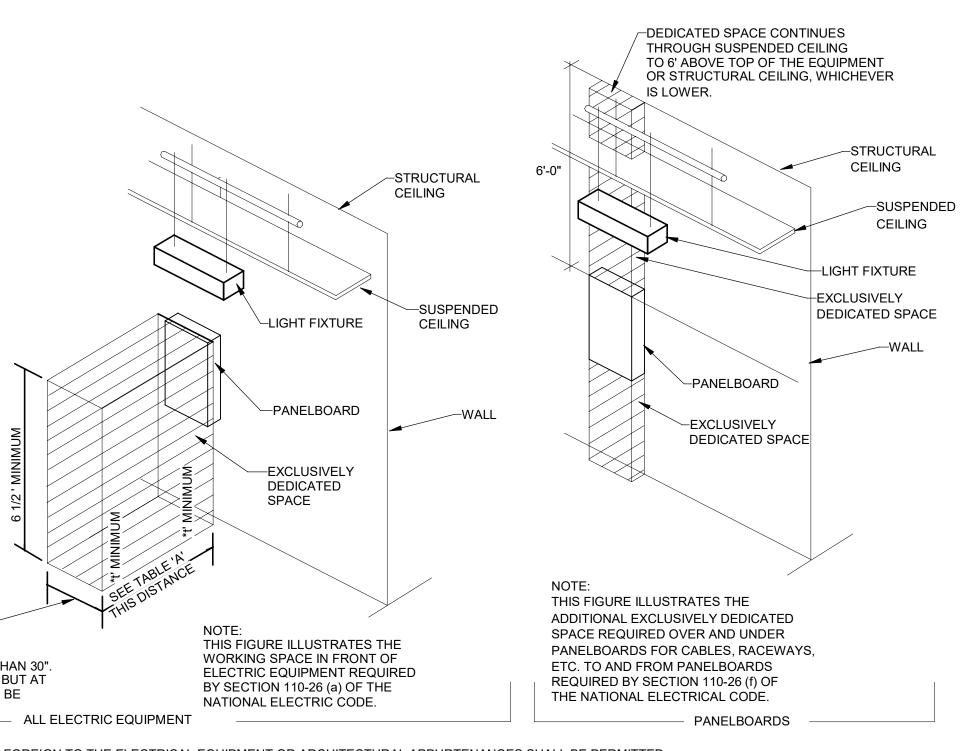
WHERE THE CONDITIONS ARE AS FOLLOWS:

1. EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR OTHER INSULATING MATERIALS. INSULATED WIRE OR INSULATED BUSBARS OPERATING AT NOT OVER 300 VOLTS SHALL NOT BE CONSIDERED LIVE PARTS.

2. EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE.

3. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

NOTE: THIS INCLUDES BUT IS NOT LIMITED TO PANELBOARDS, SAFETY SWITCHES, MOTOR STARTERS, JUNCTION BOXES AND OTHER ELECTRIC EQUIPMENT.



30" OR WIDTH OF EQUIPMENT IF EQUIPMENT IS WIDER THAN 30". DOES NOT HAVE TO BE CENTERED ON THE EQUIPMENT BUT AT LEAST EVEN WITH ONE EDGE. EQUIPMENT DOOR SHALL BE ABLE TO OPEN AT LEAST 90 DEG.

> NOTE: NO PIPING, DUCTS OR EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES SHALL BE PERMITTED TO BE INSTALLED IN, ENTER OR PASS THROUGH THE DEDICATED SPACES SHOWN ABOVE.

2 DEDICATED WORKING SPACE REQUIREMENTS FOR ELECTRICAL EQUIPMENT E002 NOT TO SCALE

-MAKE CIRCUIT JOINT WITH TWIST-ON CONNECTOR AND CONNECT TO DEVICE WITH

– 1 #12 AWG SOLID COPPER GREEN INSULATED JUMPER TO BOX BONDING SCREW.

- 1 #12 AWG SOLID COPPER GREEN INSULATED JUMPER TO DEVICE

LIC FIXTURE MARK FIXTURE DESCRIPTION LENSED LED STRIP LIGHT W/ 90 MIN BATTERY BACK UP AE 4' STRIP VAPOR TIGHT FIXTURE В LIGHTING FIXTURE SCHEDULE GENERAL NOTES: A. FINISHES SHALL BE CONFIRMED BY ARCHITECT OR OWNER PRIOR TO O B. LED DRIVERS SHALL CONFORM TO IEEE P1789 STANDARDS. ALTERNATIV WHICH DEMONSTRATES THIS PERFORMANCE. SYSTEMS THAT DO NOT C. LED DRIVERS SHALL BE MULTI-VOLT. IF MULTI-VOLT DRIVERS ARE NOT A D. CONTRACTOR SHALL ENSURE THAT LIGHTING CONTROL DEVICES ARE COMPATIBLE WITH FIXTURES AND LAMPS. E. CONTRACTOR SHALL PROVIDE ALL REQUIRED HARDWARE FOR PENDANT MOUNTED FIXTURES. VERIFY TYPE REQUIRED WITH ARCHITECT.

F. CONTRACTOR SHALL PROVIDE MOUNTING KITS AND/OR ACCESSORIES REQUIRED FOR INSTALLING FIXTURES IN VARIOUS CEILING TYPES. VERIFY CEILING TYPES WITH ARCHITECTURAL DRAWINGS.

	MECHANICAL EQUIPMENT SCHEDULE														
TAG	PHASE	LOAD			CONDUCTORS &	DISCONNECT	CIRCU	JIT	REMARKS						
TAG	VOLTAGE	FRAJE	kW	HP	FLA	CONDUIT	DISCONNECT	PANEL	NO.	REIVIARNO					
AHU-1	208	1			.43	2#12, 1#12G; 3/4"C	30A/2P/20AF/NEMA-1	В	16,18						
CU-1	208	1			6.8	2#12, 1#12G; 3/4"C	30A/2P/20AF/NEMA-3R	В	12,14						

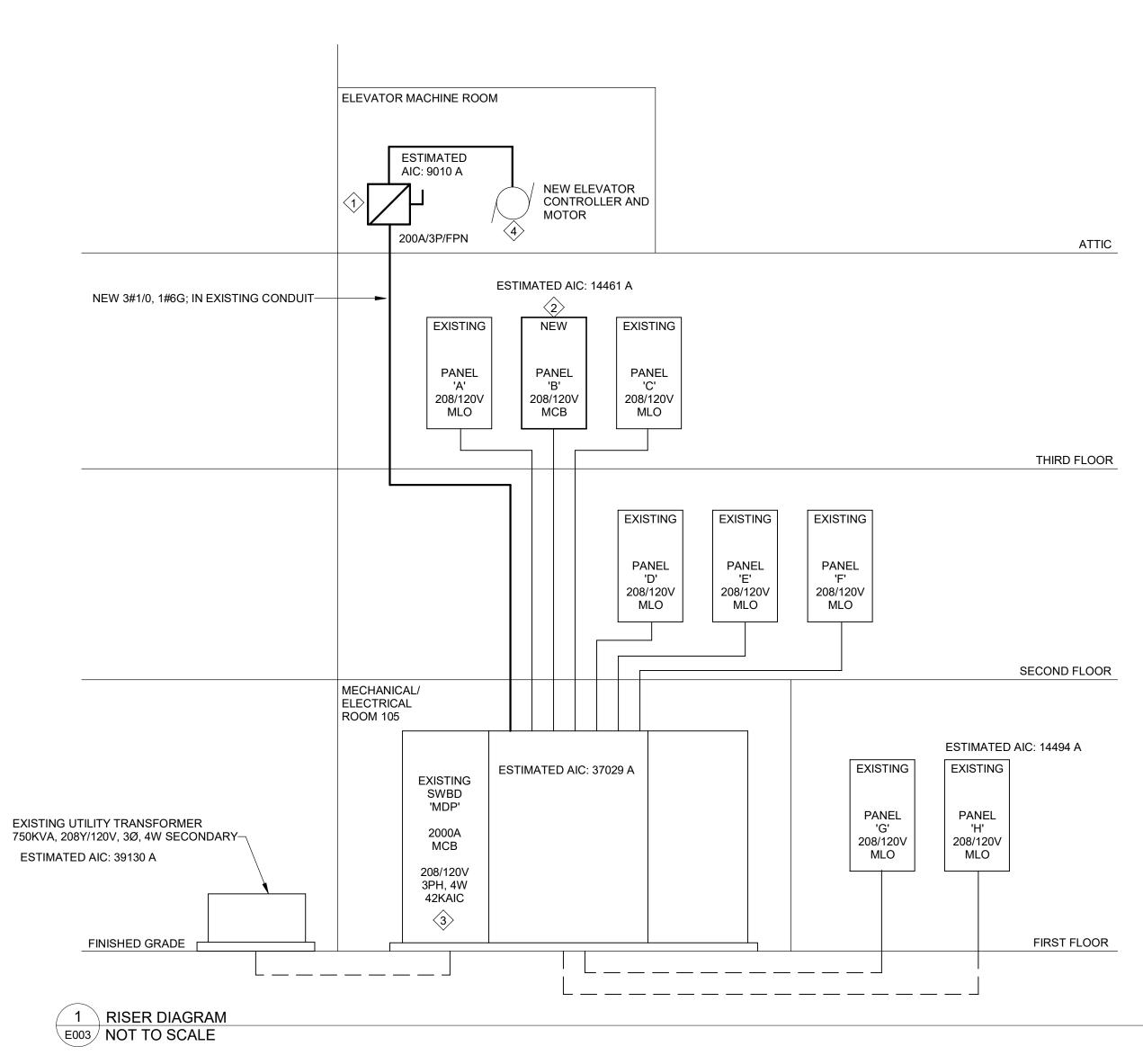
GHTING	FIXTU	RE SC	CHEDULE	Ē	
LAMP # TYPE AND WATTAGE	VOLTAGE	FIXTURE WATTS	MOUNTING METHOD AND HEIGHT	ACCEPTABLE MANUFACTURERS	REMARKS
LED 4000°K	120	30	CEILING MOUNTED	MANUF: LITHONIA LIGHTING PART # ZL1D L48 3000LM FST MVOLT 40K E7W, OR EQUIVALENT WITH COOPER BRANDS OR SIGNIFY	
LED 4000°K	120	42	SURFACE MOUNTED	MANUF: LITHONIA LIGHTING PART # CSVT L48 3000LM MVOLT 40K 80CRI, OR EQUIVALENT WITH COOPER BRANDS OR SIGNIFY	
ORDERING. IVELY, MANUFACTU MEET IEEE P1789 W			ONFORMANCE WITH F	PRODUCT LITERATURE AND TESTING	
			VERIFIED WITH ENGIN	EER PRIOR TO ORDERING.	
COMPATIBLE WITH	FIXTURES AND L	AMPS.			



	Panel: MDP					<u>.</u>		:	
	Location: Space 45 Supply From: Mounting: FLOOR Enclosure: EXISTING		Phas	olts: 120/20 ses: 3 res: 4	8 Wye		A.I.C. Rating: Mains Type: Mains Rating: MCB Rating:	MCB 2000 A	
СКТ	Circuit Description	# of Poles	Frame Size	Trip Rating	A	В	с	Remar	ks
1	CHILLER	3		700 A	58000 VA	58000 VA	58000 VA	EXISTI	NG LOAD
2	CHILLED WATER PUMP	3		125 A	7128 VA	7128 VA	7128 VA	EXISTI	NG LOAD
3	COOLING TOWER	3		125 A	7128 VA	7128 VA	7128 VA	EXISTI	NG LOAD
4	PANEL PPC	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
5	PANEL PPB	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
6	SPACE				0 VA				
7	SPACE				0 VA				
8	PANEL E	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
9	PANEL H	3		150 A	6000 VA	6000 VA	6000 VA	EXISTI	NG LOAD
10	PANEL A	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
11	PANEL B	3		200 A	8709 VA	5280 VA	11005 VA	REPLA	CEMENT PANELBOARD
12	PANEL C	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
13	PANEL D	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
14	AIR COMPRESSOR	3		30 A	1500 VA	1500 VA	1500 VA	EXISTI	NG LOAD
15	CHILLER PUMP 1	3		50 A	2900 VA	2900 VA	2900 VA	SEE N	OTE 3 ON RISER DIAGRAM
16	SPACE				0 VA				
17	PANEL PPD	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
18	PANEL F	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
19	PANEL PPA	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
20	PANEL G	3		200 A	9000 VA	9000 VA	9000 VA	EXISTI	NG LOAD
21	AC #2	3		70 A	5600 VA	5600 VA	5600 VA	EXISTI	NG LOAD
22	CHILLED WATER PUMP	3		125 A	7128 VA	7128 VA	7128 VA	EXISTI	NG LOAD
23	SPACE				0 VA				
24	SPACE				0 VA				
25	AC #3	3		125 A	7128 VA	7128 VA	7128 VA	EXISTI	NG LOAD
26	STILL 2P	3		125 A	7128 VA	7128 VA	7128 VA	EXISTI	NG LOAD
27	ELEVATOR	3		150 A	9000 VA	9000 VA	9000 VA	REPLA	CEMENT ELEVATOR
			Total C	onn. Load:	217349 VA	213920 VA	219645 VA		
Load Cla	assification	Connected Loa	d Deman	d Factor	Estimated De	mand		Panel	Totals
Spare		650914 VA	100	.00%	650914 V	A			
							Total Conn		
							Total Est. De	emand:	650914 VA
									1807 A
							Total Est. De	emand:	1807 A

	Pa	anel	: B										<u>Remarks:</u>				
						Voltage: 120/208 Wye Phases: 3 Wires: 4 Enclosure: TYPE 1					SCCR: ounting: Rating: Rating:	RECES 200 A	SSED NEW PANE EXISTING I PAINT WAI DOOR IN D Type: MCB	PANELBOA LL TO MAT(RD. PA	TCI OVI	H ANI DE
						LIICICSC				Bus	i tatiligi						
BRKI	र	Notes	Circuit [escription	скт	A	(VA)	В	(VA)	C (\	VA)	скт	Circuit Description		Notes	E	BRKR
20 A	1		REC 311, 313		1	720	500					2	ELEVATOR CAB LIGHTS/CO	NTROLS		1	20
20 A	1		REC 312A		3			720	180			4	REC ROOF			1	20
20 A	1		REC 312A, 312E	3, 315D, 315E	5					0	180	6	REC MACHINE ROOM			1	20
20 A	1		REC 314, 315C,		7	720	0					8	AC UNIT RM 306			2	20 /
20 A	1		REC 315C, 315E	3, 315A	9			720	0			10				2	201
20 A	1		REC 315A, 315,	315E	11					720	705	12	-CU-1			2	20
20 A	1		SPARE		13	0	705					14				2	20
20 A	1		SPARE		15			0	45			16	AHU-1			2	20
50 A	3		SPARE		17 19	0	84			0	45	18 20	LTG ELEVATOR SHAFT/PIT			2	20
50 A					21	0	04	0	60			20	LTG ELEVATOR MACHINE R	MOOM		1	20
					21			0	00	0	1400	24				-	20
50 A	3		SPARE		25	0	1400			0	1400	26	CAV 3-1			2	20
0071					20		1100	0	1400			28					
					29					2200	1400	30	CAV 3-4			2	20
30 A	2		VAV 3-1		31	2200	180					32	REC ELEVATOR PIT			1	20
20 A	1		SPARE		33			0	180			34	AUTOMATIC DOOR OPENER	र		1	20
					35					2200	0	36	SPARE			1	20
30 A	2		VAV 3-3		37	2200	0					38					
00 1					39			2200	0			40	SPARE			3	60 /
30 A	2		VAV 3-2		41					2200	0	42	-				
						870	9 VA	546	60 VA	1100	5 VA						
					Motors	Deser	toole D	fula	Vitabar	Mia -							
onneo	tod	Load	Lighting 324 VA	HVAC 1413 VA	Motors	540 VA	tacle Re	eirig	Kitchen	22400			PANEL 1	IUTALS:			
eman			125.00%	100.00%		NEC	•			22700	5 971		Total Conn. Load: 25	5174 VA			
eman			405 VA	1413 VA		540 VA				22400) VA		Total Est. Demand: 25				
													Total Conn. Current: 70				
													Total Est. Demand 70				

EXISTING LOADS ARE BASED ON SITE SURVEY AND EXISTING DRAWINGS AND ARE TO THE BEST OF THE DESIGNER'S KNOWLEDGE. TOTAL LOAD ADDED TO PANEL B: 2864 VA



PANEL NOTES:

- A AFCI BREAKER
- G GFI CIRCUIT BREAKER
- IG ISOLATED GROUND CIRCUIT
- C# ROUTE CIRCUIT HOMERUN VIA CONTACTOR INDICATED
- LF PROVIDE PAD-LOCK ATTACHMENT FOR MAINTENANCE LOCK-OUT OF CIRCUIT BREAKER
- LO PROVIDE LOCK-ON DEVICE FOR CIRCUIT BREAKER
- P PRE-WIRED INTERNAL CIRCUIT BY SWITCHGEAR MANUFACTURER ST - SHUNT TRIP CIRCUIT BREAKER
- SUB SUB-FEED CIRCUIT BREAKER
- E EXISTING LOAD. RECONNECT TO NEW PANEL.
- N NEW BREAKER INSTALLED IN EXISTING PANEL. REMOVE EXISTING SPARE BREAKER.
- R REUSE EXISTING BREAKER IN EXISITNG PANEL WITH NEW LOAD

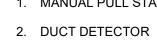
GENERAL NOTES:

A. ALL EQUIPMENT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

RISER NOTES:

- 1. NEW LOCKABLE FUSIBLE DISCONNECT. PROVIDE FUSE FOR 25HP MOTOR. VERIFY FUSE SIZE FOR DISCONNECT PER ELEVATOR MOTOR NAMEPLATE. CONNECT TO EXISTING 150A/3P CIRCUIT BREAKER FEEDING ELEVATOR.
- 2. REFER TO FLOOR PLANS FOR DIRECTION REGARDING DEMO OF EXISTING PANEL 'B' AND INSTALLATION OF NEW PANEL 'B'.
- 3. REFER TO FLOOR PLANS FOR DIRECTION REGARDING DEMO AND REPLACEMENT OF EXISTING 50A, 3 POLE CIRCUIT BREAKER FEEDING CHILLER PUMP 1.
- ELEVATOR CONTROLLER TO BE RATED AT LEAST 10KAIC.







-EXISTING FIRE ALARM CONTROL PANEL

1 EXISTING FIRE ALARM RISER E004 NOT TO SCALE

´ 6 ` **◄───** | R |-

PHONE LINES TO

MONITORING STATION

UL-APPROVED OFF-SITE 🔫

HVAC

FACP

FIRE ALARM RISER DIAGRAM NOTES: 🗇 1. MANUAL PULL STATION

3. PHOTOELECTRIC SMOKE DETECTOR.

4. COMMUNICATIONS WIRING LOOP. RETURN TO FACP (CLASS 'A' CIRCUIT). 5. TYPICAL SYSTEM INITIATION DEVICE. REFER TO

PLANS FOR EXACT TYPES AND QUANTITIES. 6. HVAC SHUT DOWN CIRCUIT. ROUTE TO SHUTDOWN RELAYS AT EACH UNIT.

7. STROBE UNIT, TYPICAL. MOUNTED AT 80" AFF TO MEET ADA REQUIREMENTS. 8. COMBINATION HORN/STROBE UNIT, TYPICAL.

MOUNTED AT 80" AFF TO MEET ADA REQUIREMENTS. 9. TO ADDITIONAL HORN/STROBE UNITS NOT INDICATED. RETURN TO FACP (CLASS 'A' CIRCUIT).

10. TAMPER AND FLOW SWITCH CONNECTION AT EXTERIOR STANDPIPE.

			FII	RE A	LARN	ЛSY	STEN	/I MA [·]	TRIX									_				,
ACTION						BL	JILDI	NG S	YSTE	EM O	UTPL	JTS							CENT	RAL	COM	M
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE GENERAL EVACUATION SIGNAL	DISPLAY CHANGE OF STATUS	ACTUATE EXTERNAL HORN / STROBE	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION	RETURN ELEVATOR TO 2ND FLOOR	RETURN ELEVATOR TO 1ST FLOOR	SHUNT TRIP AFTER ELEVATOR REACHES APPROPRIATE FLOOR	SHUT DOWN RESPECTIVE AIR HANDLER	DISCONNECT POWER TO FIRE DOOR AUTOMATIC DOOR OPENER	SHOW CHANGE OF STATUS ON ANNUNCIATOR	SHOW CHANGE OF STATUS ON CENTRAL PANEL	TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION	TRANSMIT SUPERVISROY SIGNAL TO CENTRAL STATION	TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION
MANUAL FIRE ALARM PULL BOXES	X	X					X	X	X	X							X	X	X	X		
BUILDING SMOKE DETECTOR	X	X					X	X	X	X							X	X	X	X		
DUCT SMOKE DETECTOR			X	X				X			X					X		X	X		X	
FIRE ALARM A/C POWER FAILURE					X	X		X				X						X	X			X
FIRE ALARM SYSTEM LOW BATTERY					X	X		X				X						X	X			X
OPEN CIRCUIT					X	X		X				X						X	X			X
GROUND FAULT					X	X		X				X						X	X			X
NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X		X				X						X	X			X
STANDPIPE WATER FLOW	X	X					X	X	X	X								X	X	X		
STANDPIPE TAMPER			X	X				X			X							X	X		X	
ELEV EQ RM/1ST FLR ELEV LOBBY SMOKE DETECTORS	X	X					X	X	X	X			X				X	X	X	X		1
UPPER FLOORS ELEV LOBBY SMOKE DETECTORS	X	X					X	X	X	X				X			X	X	X	X		

SEQUENCE OF OPERATION:

- A. ALARM DETECTION: WHEN A FIRE ALARM CONDITION IS DETECTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR: 1. SYSTEM ALARM INDICATOR SHALL FLASH CONTINUOUSLY.
- 2. A LOCAL SOUNDING DEVICE IN THE PANEL SHALL BE ACTIVATED. 3. CONTROL PANEL DISPLAY SHALL INDICATE ALL PERTINENT INFORMATION ASSOCIATED WITH THE ALARM AND ITS LOCATION IN THE ALARM MESSAGE QUEUE.
- 4. APPROPRIATE STATUS CHANGE MESSAGE SHALL BE DISPLAYED ON ALL PRINTERS SO PROGRAMMED. 5. ALL AUTOMATIC PROGRAMS ASSIGNED TO THE ALARM POINT SHALL BE EXECUTED AND THE
- ASSOCIATED NOTIFICATION APPLIANCE CIRCUITS AND CONTROL RELAYS ADDRESSED AND ACTIVATED.
- B. TROUBLE DETECTION: WHEN A TROUBLE CONDITION IS DETECTED BY ONE OF THE SYSTEM INITIATING DEVICES, THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR: 1. SYSTEM TROUBLE INDICATOR SHALL FLASH. 2. A LOCAL SOUNDING DEVICE IN THE PANEL SHALL SOUND. 3. CONTROL PANEL SHALL INDICATE ALL PERTINENT INFORMATION ASSOCIATED WITH THE TROUBLE CONDITION AND ITS LOCATION.
- 4. UNACKNOWLEDGED ALARM MESSAGES SHALL HAVE PRIORITY OVER TROUBLE MESSAGES, AND IF SUCH AN ALARM MUST ALSO BE DISPLAYED, THE TROUBLE MESSAGE WILL NOT BE DISPLAYED UNTIL THE OPERATOR HAS ACKNOWLEDGED ALL ALARM MESSAGES.
- C. ALARM SIGNALING: WHEN THE DETECTION OF SMOKE IN ANY ELEVATOR LOBBY THE FOLLOWING FUNCTIONS SHALL IMMEDIATELY OCCUR:
 1. THE FACP WILL SIGNAL THE ELEVATOR CONTROLLER TO ENTER PHASE 1 EMERGENCY RECALL.
- THE ELEVATOR CONTROLLER WILL RETURN THE CAR TO THE APPROPRIATE PRIMARY OR SECONDARY RECALL FLOOR, OPEN THE DOORS AND DEACTIVATE ELEVATOR. D. RE-ACTIVATING THE ELEVATOR: FIRE AND RESCUE PERSONNEL MAY RE-ACTIVATE THE ELEVATOR
- FOR EMERGENCY USE AND IF SMOKE IS DETECTED IN THE ELEVATOR SHAFT OR MACHINE ROOM THE FOLLOWING SHALL OCCUR: 1. THE FACP SIGNALS THE ELEVATOR TO GO INTO PHASE 2 RECALL AND ILLUMINATE THE FIREMAN'S HAT.
- 2. PHASE 1 AND PHASE 2 OPERATES BEFORE THE ACTIVATION OF THE HEAT DETECTORS CAUSES THE FACP TO DIRECTLY SHUNT-TRIP THE ELEVATOR POWER.

ANNUNCIATION:

A. BUILDING SMOKE DETECTORS SHALL CAUSE AN ALARM TO THE FIRE ALARM SYSTEM.

B. ALL VISUAL NOTIFICATION DEVICES SHALL BE SYNCHRONIZED.

C. ALL AUDIBLE NOTIFICATION DEVICES SHALL ALARM WITH THE STANDARD THREE-PULSE TEMPORAL PATTERN WHEN BUILDING EVACUATION IS REQUIRED.

D. ALL FIRE ALARM NOTIFICATION CIRCUITS SHALL BE ROUTED IN CONDUIT AND MEET NFPA REQUIREMENTS FOR SURVIVABILITY.

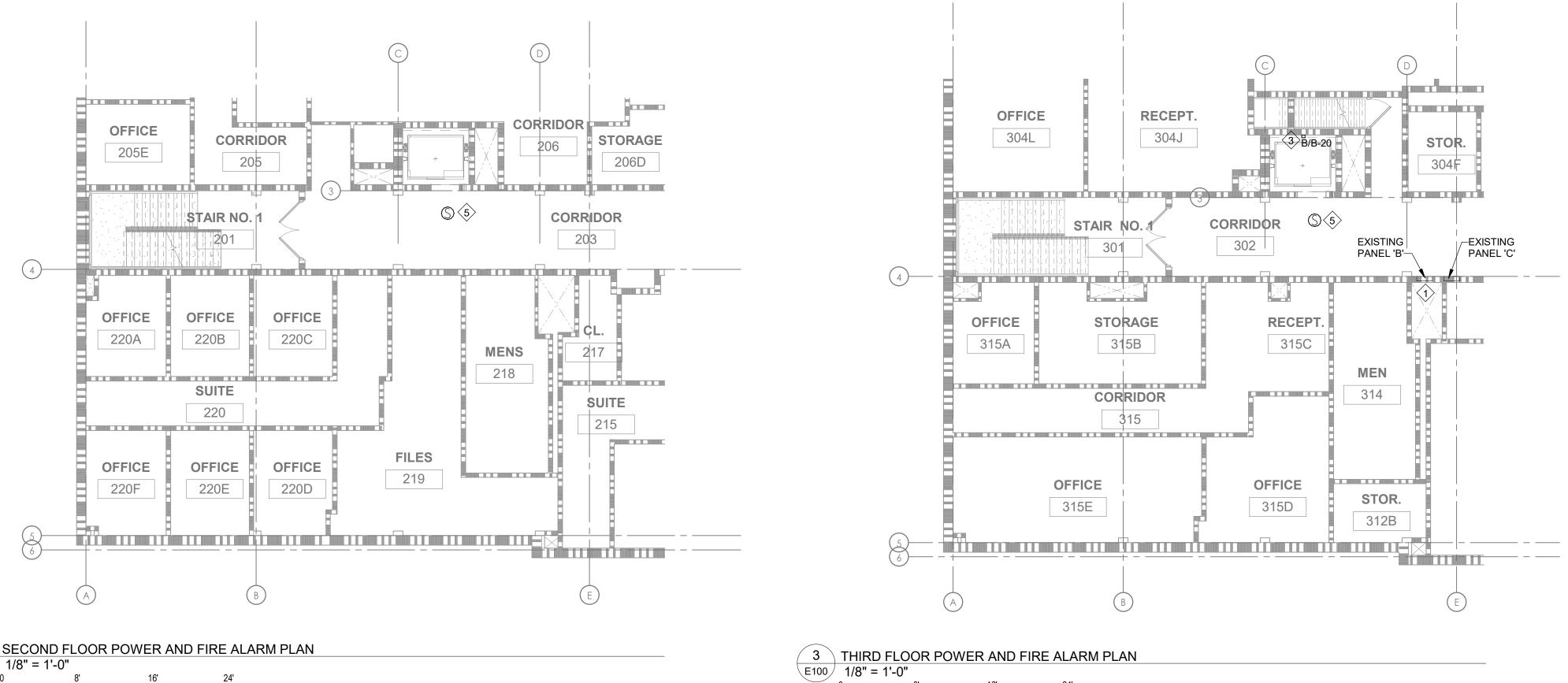
SYSTEM DEVICES:

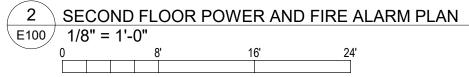
A. PROVIDE ADDRESSABLE DEVICES ONLY IN CONDITIONED SPACES. NO ADDRESSABLE DEVICES ARE ALLOWED IN UNCONDITIONED SPACES.











WALL RATING LEGEND

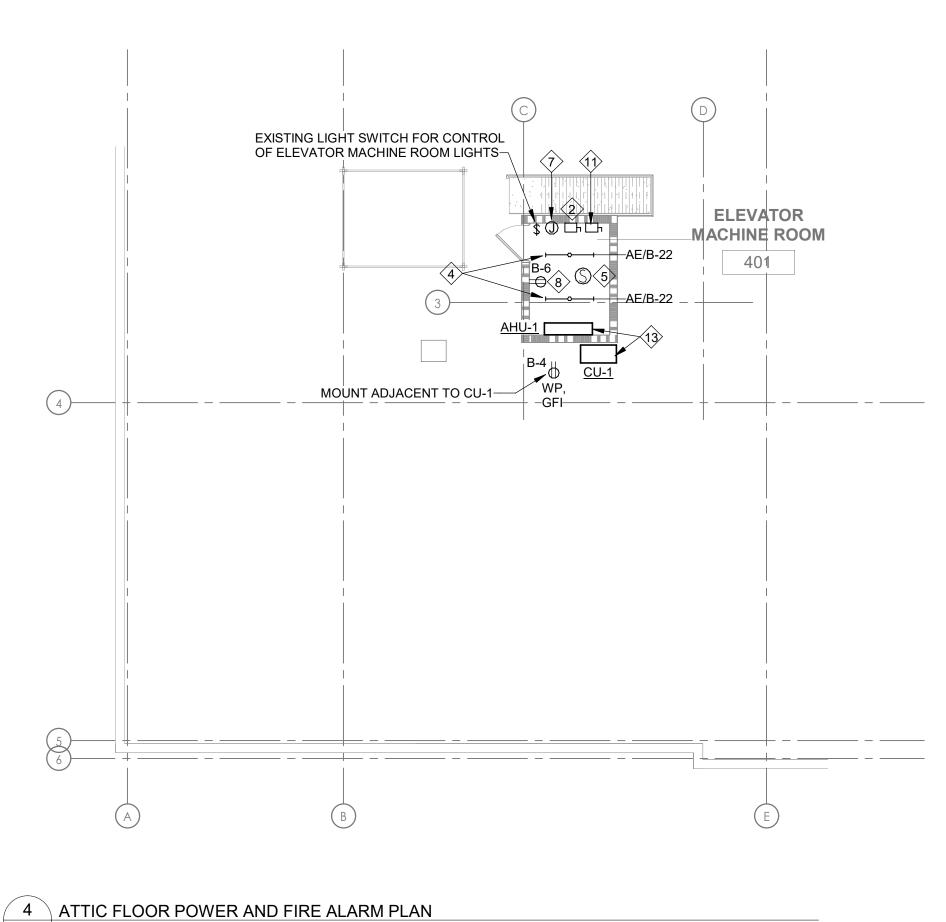
UNRATED WALL SMOKE PARTITION 1/2 - HOUR <u>FIRE BARRIER</u> 1 - HOUR <u>FIRE BARRIER</u> 2 - HOUR <u>FIRE BARRIER</u>

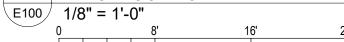
GENERAL NOTES:

- A. PROVIDE WORKING CLEARANCE AT ALL ELECTRICAL PANELS PER NEC. B. COORDINATE WITH LOW-VOLTAGE VENDOR FOR EXACT LOCATIONS AND REQUIREMENTS REGARDING ALL POS, SECURITY, IT, AND OTHER LOW-VOLTAGE ITEMS.
- C. EMERGENCY LIGHTS/EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED HOT CONDUCTOR OF CIRCUIT INDICATED.
- D. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND HEIGHTS OF ALL FIXTURES.
- E. REFER TO SHEET E002 FOR LIGHTING FIXTURE SCHEDULE.

PLAN NOTES: (#)

- 1. REMOVE EXISTING PANEL 'B'. PROVIDE AND INSTALL NEW PANELBOARD AND CIRCUIT BREAKERS RATED FOR CALCULATED SHORT CIRCUIT CURRENT SHOWN ON RISER DIAGRAM. SEE PANELBOARD SCHEDULES FOR MORE INFORMATION. RECONNECT EXISTING CIRCUITS. PANELBOARD SWITCH OVER SHALL OCCUR OVER WEEKEND, SEVEN DAY ADVANCE NOTICE SHALL BE GIVEN TO OWNER PRIOR TO SWITCH OVER.
- PROVIDE NEW LOCKABLE 30A/2P/20AF/1 DISCONNECT FOR ELEVATOR CAB LIGHTS AND CONTROLS.
- 3. PROVIDE VAPOR TIGHT LED LIGHT FIXTURE. CONNECT TO CIRCUIT INDICATED USING 2#12, 1#12G; 3/4"C.
- 4. REMOVE EXISTING CEILING MOUNTED LIGHTS AND ALL ASSOCIATED WIRING. PROVIDE NEW LED LIGHT FIXTURES AND CONNECT TO CIRCUIT INDICATED. PROVIDE NEW 2#12, 1#12G WIRING FOR CONNECTION. REUSE EXISTING CONDUIT IF POSSIBLE.
- 5. REMOVE EXISTING CEILING MOUNTED SMOKE DETECTOR AND PROVIDE NEW SMOKE DETECTOR INTERLOCKED WITH ELEVATOR EQUIPMENT FOR ELEVATOR RECALL.
- 6. POWER TO AUTOMATIC DOOR OPENER. INTERLOCK WITH FIRE ALARM SYSTEM TO DISCONNECT POWER TO AUTOMATIC DOOR OPENER IN THE EVENT OF A FIRE.
- 7. JBOX FOR ELEVATOR COMMUNICATION AND CCTV SYSTEMS. PROVIDE 1-1/4"C TO NEAREST IT CLOSET. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ROUGH-IN. COORDINATE WITH NCCU IT DEPARTMENT AND ELEVATOR CONTRACTOR.
- 8. DEMO EXISTING RECEPTACLE AND ALL ASSOCIATED WIRING BACK TO NEAREST SOURCE. PROVIDE AND INSTALL NEW 5-20R RECEPTACLE AND CONNECT TO CIRCUIT INDICATED. PROVIDE 2# 12, 1#12G; 3/4"C FOR CONNECTION. REUSE CONDUIT IF POSSIBLE.
- 9. PROVIDE NEW LIGHT SWITCH AT TOP OF PIT LADDER FOR CONTROL OF ELEVATOR SHAFT AND PIT LIGHTS.
- 10. PROVIDE AND INSTALL NEW 5-20R RECEPTACLE IN ELEVATOR PIT AND CONNECT TO CIRCUIT INDICATED. PROVIDE 2#12, 1#12G; 3/4"C FOR CONNECTION.
- 11. REMOVE EXISTING ELEVATOR DISCONNECT. REMOVE ALL ASSOCIATED WIRING BACK TO EXISTING SWITCHBOARD 'MDP'. PROVIDE NEW LOCKABLE FUSIBLE DISCONNECT. SEE RISER DIAGRAM FOR DISCONNECT AND FUSE SIZE.
- 12. REMOVE EXISTING 50A, 3 POLE CIRCUIT BREAKER FEEDING CHILLER PUMP 1. PROVIDE AND INSTALL NEW 50A, 3 POLE CIRCUIT BREAKER RATED FOR CALCULATED SHORT CIRCUIT CURRENT SHOWN ON RISER DIAGRAM. MATCH EXISTING FRAME SIZE. SEE PANELBOARD SCHEDULE FOR MORE INFORMATION. RECONNECT EXISTING CIRCUIT. CIRCUIT BREAKER SWITCH OVER SHALL OCCUR OVER WEEKEND. SEVEN DAY ADVANCE NOTICE SHALL BE GIVEN TO OWNER PRIOR TO SWITCH OVER.
- 13. REFER TO MECHANICAL EQUIPMENT SCHEDULE ON SHEET E002 FOR MORE INFORMATION.

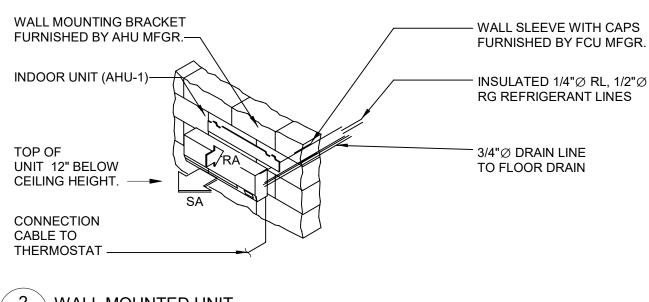




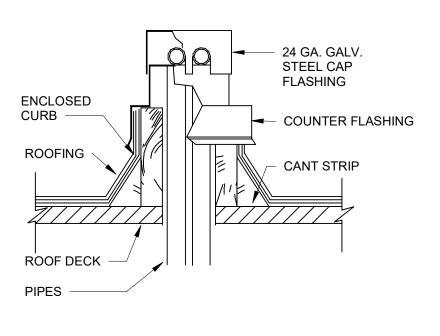


MECHAINCAL WELL WALL MINIMUM 4" FROM UNIT	
SPLIT-TYPE COOLING ONLY OUTDOOR UNIT FRONT FAN GRILLE	
REFRIGERANT PIPING TO INDOOR UNIT ANCHOR BOLTS	
PROVIDE MINIMUM 4" TALL EQUIPMENT PAD, DIVERSITEC PRODUCTS OR EQUAL. MINIMUM DIMENSIONS 4" WIDER AND LONGER THAN CONDENSING UNIT. 4" CONCRETE PAD AS ALTERNATE IS ACCEPTED.	
ROOF	

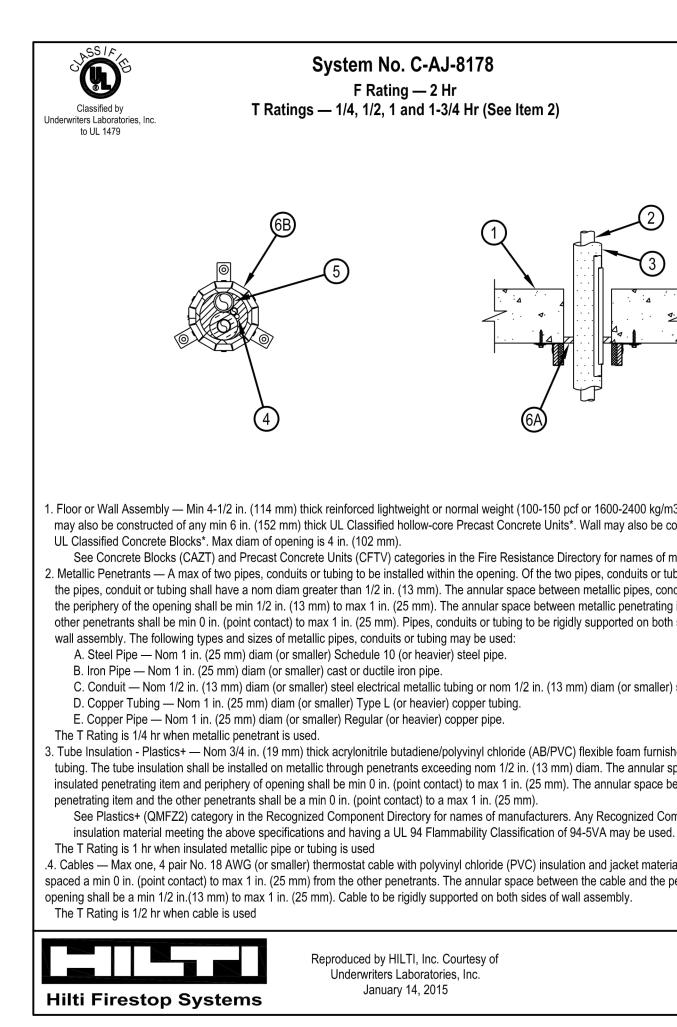
1 MINI SPLIT DETAIL M001 NOT TO SCALE



2 WALL MOUNTED UNIT M001 NOT TO SCALE



3 REFRIGERANT WALL PENETRATION M001 NOT TO SCALE



CAJ 8178		Systen	ו No. C-AJ-8178	periphery of 818
- V -	the opening shall be min 0 penetrants shall be min 0 ir wall assembly. The followin A. Polyvinyl Chloride (PV (drain, waste or vent) o B. Chlorinated Polyvinyl 0 or supply) piping syster The T Rating is 1-3/4 hr wher 6. Firestop System — The fire A. Fill, Void or Cavity Mat of concrete floor or both HILTI CONSTRUCTION B. Firestop Device* - Fire to be installed and latch provided with the collar 102 mm) devices.) The fasteners, 1-1/4 in. (32 utilizing a nom 15 mm (anchor, Hilti 1/4 in. (6 m actuated floor pin with i for size of device requir	in. (point contact) to max 1 in. (25 mm) n. (point contact) to max 1 in. (25 mm) ng types and sizes of metallic pipes, c (C) Pipe — Nom 1-1/4 in. (32 m) diam r closed (process or supply) piping sy Chloride (CPVC) Pipe — Nom 1-1/4 in ms. n nonmetallic pipe is used. estop system shall consist of the follor terial* - Sealant — Min 1/2 in. (13 mm h surfaces of wall assembly. Fill matel CHEMICALS, DIV OF HILTI INC — F estop Collar — Firestop collar shall be ned around the cable bundle and secu t. (Minimum 2 anchor hooks for 1-1/2 a anchor hooks are to be secured with mm) long concrete screw anchors, 0. (9/16 in.) diam steel washer, Hilti 1/4 in nm) diam by 1-3/4 in. (44 mm) long K' integral nom 9/16 in. (15 mm) diam wa red for the opening.	(or smaller) Schedule 40 solid or cellular core PVC pipe for use ir stems. a. (32 mm) diam (or smaller) SDR13.5 CPVC pipe for use in closed	he other f floor or n vented d (process ttom surface nt possible. ttons. Collar poks in. (76 and be masonry fasteners e screw vder ble below
		4 (102)	CP 643 110/4"N	
n3) concrete. Floor		3 (76)	CP 643 90/3"N	
constructed of any		2 (51)	CP 643 63/2"N	
manufacturers. ubing, only one of nduits or tubing and g items and the	* Indicates such products sha respectively.	1-1/2 (38) all bear the UL or cUL Certification Ma	CP 643 50/1.5"N rk for jurisdictions employing the UL or cUL Certification (such as	Canada),
n sides of floor or) steel conduit.	+Bearing the UL Recognized	Component Mark		
hed in the form of space between between insulated				
mponent tube I.				
ials. Cable to be periphery of the				
			by HILTI, Inc. Courtesy of	

					A	IR HANDL	ING UNIT S	CHEDULE				
						FAN	SELECTION		ELECT	RICAL		
		No.	CFM AIR (CFM) IN. WG W DRAWINGS FOR ELECTRICAL									
		AHU-1	DAIKIN FTK18N	MVJU	579	N/A	N/A	46	CUADACT		ALL	
		2. PRC 3. INST 4. COC 5. UNIT 6. CON	T SHALL BE U.L. LISTE DVIDE SET POINT THEF TALL PER MANUFACTU DLING CAPACITY AT 95 T SHALL HAVE BUILT II NNECT TO BUILDING B MPONENTS	RMOSTAT. JRER REC 5/75 °F DB/' N CONDEN	OMMENDATI WB ISATE PUMP	ONS BY MANU					₹Y	
					CONDEN	NSING UN	IT SCHEDU	LE				
		TAG	MANUFACTURER MODEL NO.	UNIT SERVED		MBH TOTAL S	MBH ENSIBLE	SEER	ELECTRICAL	WEIGHT LBS.	NOTES	
		CU-1	DAIKIN RK18NMVJU	AHU-1	1.5	18.0	13.5	18.0	SEE ELECTRICAL	115	ALL	
		6. COOLIN	NNECT SWITCH SHALL NG CAPACITY AT 95/75 CT TO BUILDING BMS	5 °F DB/WB 5, COORDIN		NIVERSIT	Y MAINTEN		AFF AND PROVIDE AL	LNECESSARY	COMPONENTS	
1.			HE 2018 NORTH CARC			DDE, 2018	NORTH CA	ROLINA P	LUMBING CODE, AND) THE 2018 NOR	TH CAROLINA	
	THE MECHANICAL CO	ONTRACTOF EPTANCE BY MPRESSOR	R APPLICABLE STATE A R SHALL PROVIDE A W Y THE OWNER. ANY B S SHALL HAVE A FIVE	RITTEN G	UARANTEE 1 /N OCCURRI	NG IN TH	E FIRST YE	AR SHALL	BE AT NO EXPENSE	TO THE OWNER	R. ALL	
			OT ALL RISES AND DRO WORK SHALL BE KEP				TO COORE	DINATE TH	IEIR WORK WITH ALL	OTHER TRADE	S TO AVOID	
	CONTRACTOR SHAL	L COORDINA	ATE ELECTRICAL CHA	RACTERIS	TICS AND RE	EQUIREM						
	AND STRUCTURAL C	ONDITIONS.	ATE THE INSTALLATIO . CUTTING OR OTHER TURAL ENGINEER OF I	WISE ALT								
6.	CONTRACTOR SHAL	L KEEP A SE	T OF MARKED UP PRI THE OWNER AT THE	INTS WITH				RING CON	STRUCTION TO CREA	TE AN "AS-BUIL	T" SET OF	
	PROVIDE ACCESS PA SIZE - 12"x12", UNLES	ANELS IN CE SS LIMITED E	EILINGS AND WALLS TO BY PHYSICAL CONSTR	O ALLOW A RAINTS.	ACCESS TO Y	VALVES, 1	FRAPS, DAN			_S, ETC. MINIM	UM ACCESS	
			L BE INSTALLED IN AC AL STEEL MEMBERS R							HE RESPONSIB	ILITY OF THE	
	D1785, WITH TYPE D FITTINGS SHALL BE	RAIN PIPING WV FITTING JOINED USIN	SHALL BE TYPE L HA S, ASTM D2672. COPF NG SOLVENT CEMENT CHANICAL EQUIPMEN	Per Drain . Provide	PIPE AND FI	TTINGS S	HALL BE JO	DINED USI	NG 95-5 SILVER SOLD	ER, AND PVC F	PIPE AND	
	THE MECHANICAL C TO HONEYWELL TH1		R SHALL PROVIDE TH	ERMOSTA	TS AND CON	TROLS W	IRING FOR	ALL MECH	HANICAL SYSTEMS. 1	HERMOSTAT S	HALL BE EQUAL	
	WALL-MOUNTED AR	CHITECTUR/ ALLED ON EX	A.F.F. UNLESS NOTEL AL AND ELECTRICAL E XTERIOR WALLS IF INT EXTERIOR WALL AN IN	EQUIPMEN TERIOR WA	T. FINAL LOO ALLS ARE AV	CATIONS AILABLE	MUST BE A WITHIN SPA	PPROVED ACE SERV	BY THE ARCHITECT ED BY THERMOSTAT	AND OWNER. 1 . SHOULD THE	THERMOSTATS	

REFRIGERANT PIPING NOTES

PROVIDE REFRIGERANT SPECIALTY COMPONENTS SUCH AS FILTER-DRYER AND/OR SIGHT GLASS AS

. REFRIGERANT PIPING SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, TAKING INTO ACCOUNT ALL PRESSURE LOSSES FROM FITTINGS, ELEVATION CHANGES,

. PURGE AND PRESSURE TEST REFRIGERANT PIPING SYSTEM. REPAIR LEAKS AS REQUIRED. CHARGE

PROVIDE PIPE SLEEVES AT ALL WALL AND FLOOR PENETRATIONS. FILL SLEEVE WITH A U.L. LISTED THROUGH PENETRATION FIRE STOP SYSTEM AT RATED WALLS AND/OR FLOORS. FILL SLEEVE WITH A

. PROVIDE PIPE SUPPORTS IN ACCORDANCE WITH MSS-SP-69, AND SPACED IN ACCORDANCE WITH THE

9. INSULATE REFRIGERANT SUCTION LINES WITH 3/4 " FLEXIBLE ELASTOMERIC INSULATION WITH SELF SEALING LONGITUDINAL SEAMS. TRANSVERSE (BUTT) SEAMS SHALL BE SEALED WITH AN APPROVED SEALER. INSULATION INSTALLED OUTDOORS SHALL BE COVERED WITH AN ALUMINUM COVER, SECURED

5. REAM PIPE ENDS AND REMOVE BURRS. APPLY FLUX TO JOINTS PRIOR TO APPLYING SOLDER.

SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

B280. FITTINGS SHALL BE WROUGHT COPPER SOLDER JOINT, ASTM B16.22.

2. SOLDER MATERIAL SHALL BE 95-5 TIN-ANTIMONY.

WATER PROOF SEALER AT EXTERIOR WALLS OR SLAB.

REQUIRED BY UNIT MANUFACTURER.

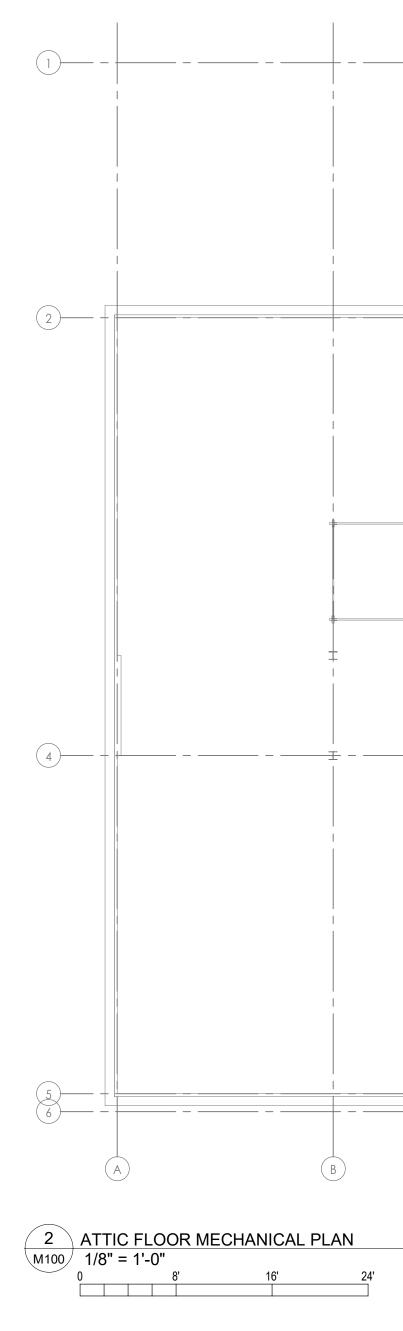
INTERNATIONAL PLUMBING CODE.

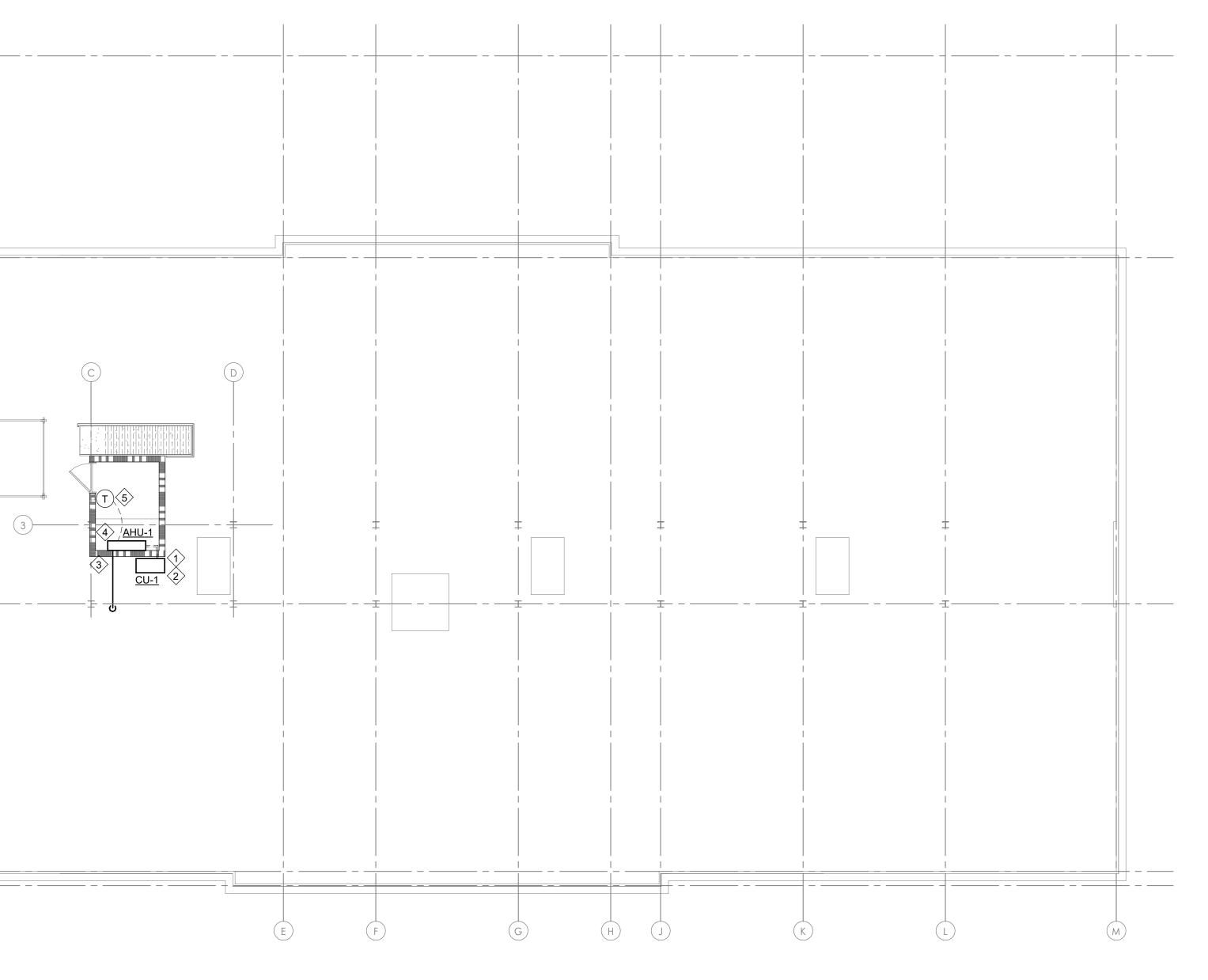
WITH METAL WIRE WRAP

ETC.

REFRIGERANT PIPING SHALL BE RIGID HARD DRAWN COPPER PIPE, TYPE L, ASTM B88, OR TYPE ACR, ASTM







KEY NOTES:

1. MOUNT CONDENSING UNIT TO ON RAILS IN MECHANICAL WELL OF ROOF.

 2. ROUTE REFRIGERANT PIPING THROUGH ROOF TO ELEVATOR EQUIPMENT ROOM.
 3. ROUTE FULL SIZE CONDENSATE DRAIN LINE

UP AND OVER TO NEAREST FLOOR DRAIN. MAXIMUM LIFT REQUIRED SHALL BE 20".

4. MOUNT AHU-1 WITH TOP 12" BELOW CEILING PER MANUFACTURER RECOMMENDATIONS.

5. MOUNT THERMOSTAT AT 48" AFF.

WALL RATING LEGEND Image: Strain St

2 - HOUR <u>FIRE BARRIER</u>

