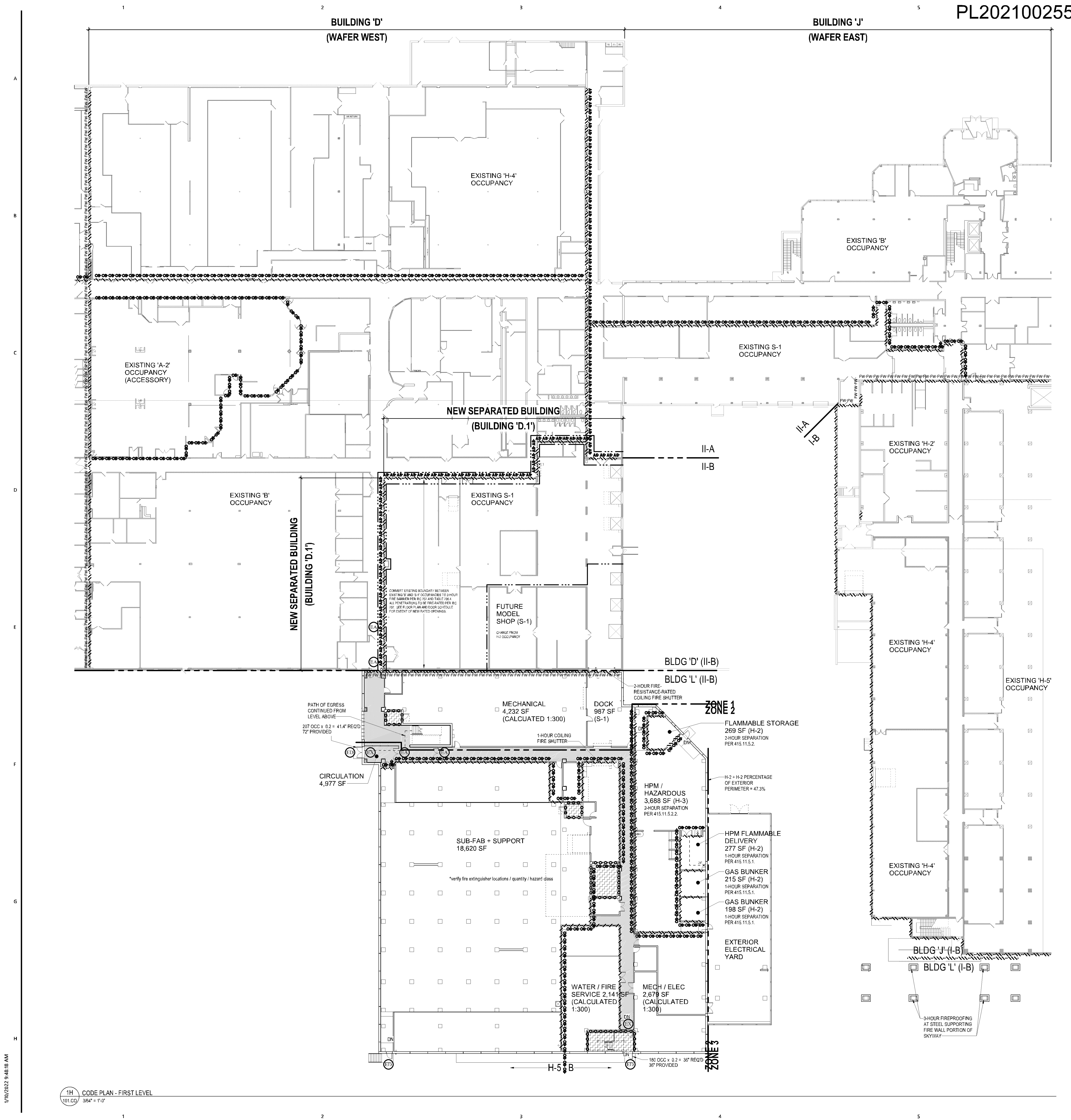




CODE SUMMARY		12/22/2020
PROJECT DESCRIPTION		
WAFER SOUTH FAB ADDITION (BUILDING L) TO THE EXISTING SEAGATE NORMANDALE CAMPUS, INCLUDING A SKYWAY CONNECTION TO THE EXISTING BUILDING J, AND PHYSICAL CONNECTION / MINOR REMODEL TO THE EXISTING BUILDING 'O'. ADDITION WILL BE SEPARATED INTO ITS OWN FIRE AREA.		
GENERAL TYPE OF PROJECT		
NEW BUILDING	YES	NO
ADDITION	YES	NO
REMODEL	YES	NO
AUTOMATIC SPRINKLER SYSTEM		
INSTALLED THROUGHOUT BUILDING?	YES	NO
AUTHORITIES HAVING JURISDICTION & APPLICABLE REGULATIONS		
CITY OF BLOOMINGTON, MN	YES	NO
STATE OF MINNESOTA	YES	NO
1305-2020 Minnesota State Building Code (MBC) 2018 IBC (plus amendments) 1307-2020 Minnesota State Elevator Code ASME A17.1-2015, ASME A17.3-2015, ASME A17.5-2014, ASME A17.7-2007, ASME A18.1-2017, ASME A80.1-2015, ASME B20.1-2015 1311-2020 Conservation Code for Existing Buildings 2018-ESBC (plus amendments) 1315-2020 National Electrical Code 1323-2020 Minnesota Commercial Energy Code ASHRAE 90.1-2018 7676-Energy Code, other buildings 1341-2020 Minnesota Accessibility Code 2018 IBC (Chapter 11) 2009 ICC/ANSI A117.1 (plus amendments) 1345-2020 Minnesota Mechanical Code and Fuel Gas Codes 2018 IMC and 2018 IFGC (plus amendments) 4714-2020 Minnesota State Plumbing Code 2018 Uniform Plumbing Code (plus amendments) 7511-2020 Minnesota State Fire Code 2018 IFBC (plus amendments) 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN		
OCCUPANCY AND MIXED USE		
OCCUPANCIES (BC CH 3 & 4)	B, S-1, H-2, H-3, H-5	YES
NONSEPARATED OCCUPANCIES? (IBC Section 508)		YES
SEPARATED OCCUPANCIES? (IBC Section 508)		YES
ACCESSORY OCCUPANCIES? (IBC Section 508)		YES
WORK IN EXISTING BUILDING		
COMPLIANCE METHOD (IBC Chapter 9)	WORK AREA	
CLASSIFICATION OF WORK (IBC Chapter 9)	ALTERATION	
WAFER SOUTH FAB ADDITION (BUILDING L) TO THE EXISTING SEAGATE NORMANDALE CAMPUS, INCLUDING A SKYWAY CONNECTION TO THE EXISTING BUILDING J, AND PHYSICAL CONNECTION / MINOR REMODEL TO THE EXISTING BUILDING 'O'. ADDITION WILL BE SEPARATED INTO ITS OWN FIRE AREA.	ALTERATION	
CHANGE OF OCCUPANCY CLASSIFICATION (WAFER WEST)		
HEIGHT & AREA	H-2	1
MEANS OF EGRESS	H-2	1
EXTERIOR WALLS	H-2	1
TYPE(S) OF CONSTRUCTION		
CONSTRUCTION TYPE(S)	IBC (Chapter 5)	B-B
AREA SEPARATIONS / FIRE WALLS		
SEE CODE PLANS		
ALLOWABLE AREA PER FLOOR (B)		
ALLOWABLE AREA FACTOR (from Table 505.2)	0.85	
FRONTAGE INCREASE	0.00	
TOTAL ALLOWABLE AREA/FLOOR	85,000	
ALLOWABLE AREA PER FLOOR (H2)		
ALLOWABLE AREA FACTOR (from Table 505.2 - H-2 not allowed, similar increase)	0.85	
FRONTAGE INCREASE	0.00	
TOTAL ALLOWABLE AREA/FLOOR	85,000	
ALLOWABLE AREA PER FLOOR (H3)		
ALLOWABLE AREA FACTOR (from Table 505.2 - H-3 not allowed, similar increase)	0.85	
FRONTAGE INCREASE	0.00	
TOTAL ALLOWABLE AREA/FLOOR	85,000	
ALLOWABLE AREA PER FLOOR (H4)		
ALLOWABLE AREA FACTOR (from Table 505.2)	0.85	
FRONTAGE INCREASE	0.00	
TOTAL ALLOWABLE AREA/FLOOR	85,000	
ALLOWABLE AREA PER FLOOR (S-1)		
ALLOWABLE AREA FACTOR (from Table 505.2)	0.85	
FRONTAGE INCREASE	0.00	
TOTAL ALLOWABLE AREA/FLOOR	85,000	
SEPARATED OCCUPANCIES - AREA RATIO/FLOOR		
ACTUAL / ALLOWABLE AREA - FIRST LEVEL (SF)	11,620 / 85,000	0.137
ACTUAL / ALLOWABLE AREA - SECOND LEVEL (SF)	11,620 / 85,000	0.137
BUILDING HEIGHT		
ACTUAL HEIGHT	55'-0"	
ALLOWABLE HEIGHT	55'-0"	
EGRESS		
AREAS OF REFUGE REQUIRED	YES	NO
ELEVATOR REQUIRED AS MEANS OF EGRESS	YES	NO
MISCELLANEOUS		
FIRE RESISTIVE CORRIDORS?	YES	NO
SMOKE TIGHT CORRIDORS (SMOKE PARTITIONS)?	YES	NO
INCIDENTAL USE AREA RATING(S)	SEE PLANS	
RECYCLING SPACE	SEE PLANS	
INTERIOR FINISHES CLASSIFICATION		
OCCUPANCY	EXIT	CORRIDOR
B	B	C
H	H	C
S	S	C

FIRE-RESISTIVE REQUIREMENTS		(TABLE 601.10.1.1.2)
STRUCTURAL FRAME	RATING (HRS)	TEST
COLUMNS	0	TABLE 721.1(1)
GIRDERS	0	TABLE 721.1(1)
TRUSSES	0	TABLE 721.1(1)
BEARING WALLS		
EXTERIOR BEARING WALLS	0	TABLE 721.1(1)
INTERIOR BEARING WALLS	0	TABLE 721.1(1)
NON-BEARING WALLS AND PARTITIONS		
INTERIOR	See Code Plans, RC Plans, & Spec	
FLOOR CONSTRUCTION		
FLOOR/CEILING ASSEMBLY	0	TABLE 721.1(1)
PRIME & SEC. FLOOR BEAMS, JOISTS	0	TABLE 721.1(1)
ROOF CONSTRUCTION		
ROOF/CEILING ASSEMBLY	0	TABLE 721.1(1)
PRIME & SEC. ROOF BEAMS, JOISTS	0	TABLE 721.1(1)
OTHER		
SHAFTS AND ELEVATOR ENCLOSURES	1	TABLE 721.1(1)
EXTERIOR DOORS AND WINDOWS	See Code Plans, RC Plans, & Spec	
OCCUPANT LOAD (ADDITION)		
AREA LOCATION	OCCUPANCY	FLOOR AREA / SF OCC.
FIRST LEVEL		
B	1,000	100
B (MEP)	1,000	100
H-2	1,000	100
H-3	1,000	100
H-5	1,000	100
S-1	1,000	100
SECOND LEVEL		
B	1,000	100
B (MEP)	1,000	100
H-5	1,000	100
TOTAL BUILDING (ADDITION) OCCUPANT LOAD:		
200		
PLUMBING FIXTURES (ENTIRE FACILITY)		
OCCUPANT LOAD (ACTUAL)	19 H-2, 13 H-3, 201 H-4, 115 H-5, 192 S-1	
TOILETS & URINALS		
A-2	6 M, 6 F	105
A-3	1 M, 2 F	105
B	29 M, 29 F	105
F-1, S-1	10 M, 10 F	105
LAVATORIES		
A-2	3 M, 3 F	100
B	1 M, 1 F	100
F-1, S-1	10 M, 10 F	100
DRINKING FOUNTAINS		
A-2	2	100
A-3	1	100
B	28	100
F-1	5	100
S-1	1	100
SERVICE SINKS		
11	5	100
ENERGY CONSERVATION		
ENERGY CODE	ASHRAE 90.1-2018	
CLIMATE ZONE	4	
COMPLIANCE PATH		
PREScriptive		
ADDITIONAL NOTES		

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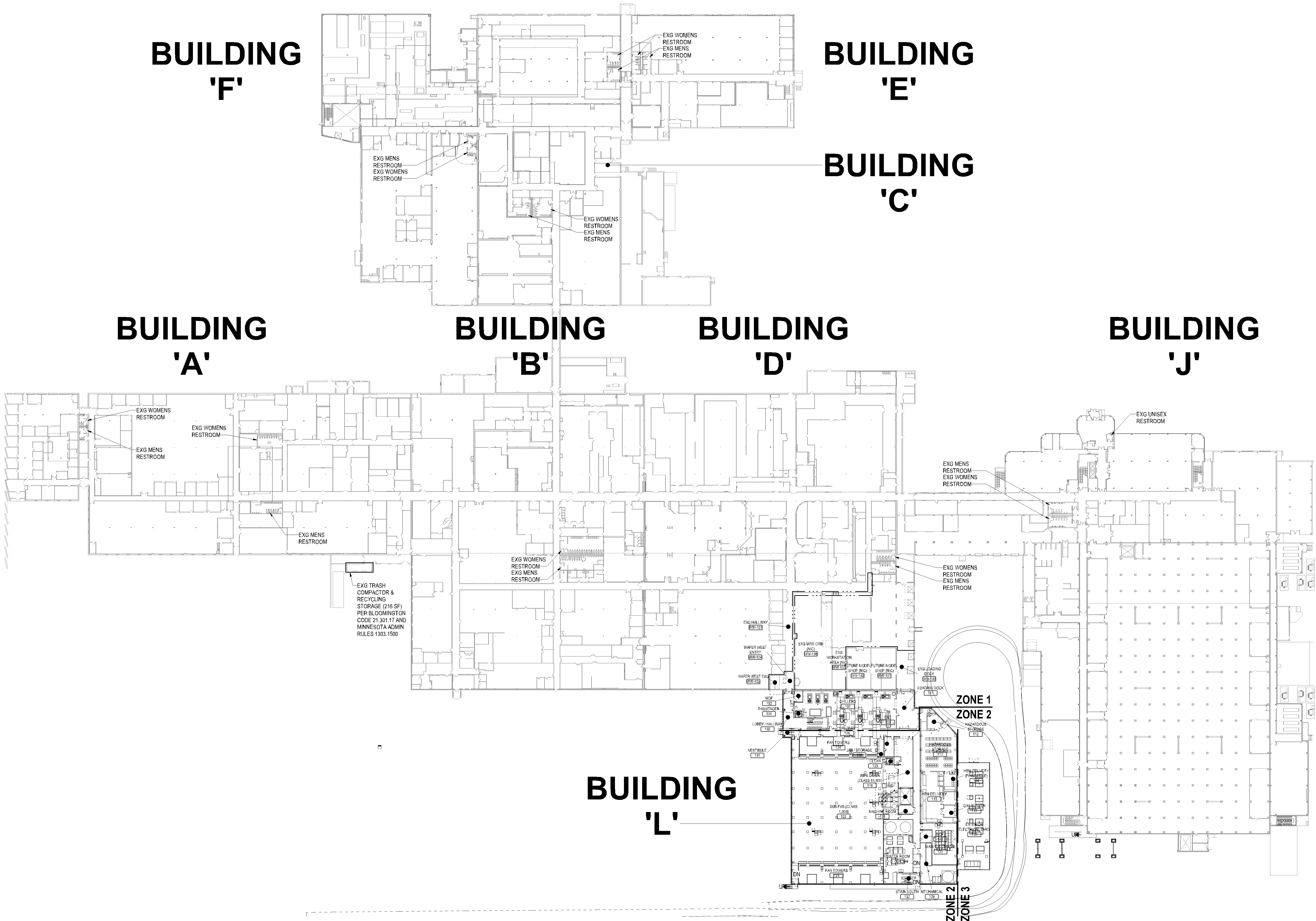
North

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Sheet Title
FIRST LEVEL - CODE
PLAN AND CODE
SUMMARY

Sheet No. 101.CO

SEE SHEET 102.CO FOR CODE
SYMBOLS LEGEND



1H FLOOR PLAN - FIRST LEVEL
101.RE 1" = 50'-0"



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Sheet Title
FIRST LEVEL -
REFERENCE PLAN

Sheet No.

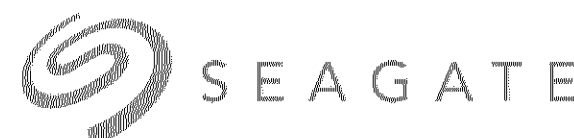
101.RE

FIRE RESISTANCE RATINGS		SMOKE PARTITION (BFC 710) EQUIV. OF CORRIDOR WALL (SC K1.1.3)
		FIRE PARTITION (BFC 708) CORRIDOR WALL (BFC 708)
		1 HR FIRE RATED ASSEMBLY (BFC 200) INCIDENTAL USE (BFC 200) PROTECTION OF HAZARDOUS (SC K1.2.2)
		1 HR FIRE RATED ASSEMBLY (BFC 200) INCIDENTAL USE (BFC 200) PROTECTION OF HAZARDOUS (SC K1.2.2)
		1 HR FIRE RATED ASSEMBLY (BFC 200) INCIDENTAL USE (BFC 200) PROTECTION OF HAZARDOUS (SC K1.2.2)
MEANS OF EGRESS		EXIT ACCESS
		EXIT
		EXIT DISCHARGE
		HORIZONTAL EXIT
		LOCKED - CARD READER ACCESS

MISCELLANEOUS		FIRE EXTINGUISHER
		FIRE EXTINGUISHER & CABINET
		HOSE VALVE
		HOSE VALVE & CABINET
		FE & VALVE CABINET LOCATIONS
WALL FUNCTION		MEANS OF EGRESS
		CONSTRUCTION LIMITS
		SMOKE BOUNDARY
		HORIZONTAL EXIT
		OCCUPANCY BOUNDARY

AREA CLASSIFICATION		EGRESS PATH ELECTRONIC SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
		EXIT PASSAGEWAY ELECTRONIC SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
		SHAFT ELECTRONIC SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
		INCIDENTAL USE ELECTRONIC SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS
		INCIDENTAL USE ELECTRONIC SYMBOLS INDICATE RATING AND DAMPER REQUIREMENTS

NOT ALL SYMBOLS MAY BE USED ON EACH PLAN.
REFERENCES TO LSC (LIFE SAFETY CODE) "XX" REFERS TO CH 12 - 42.



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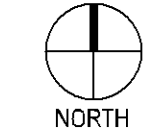
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Keyplan



NORTH

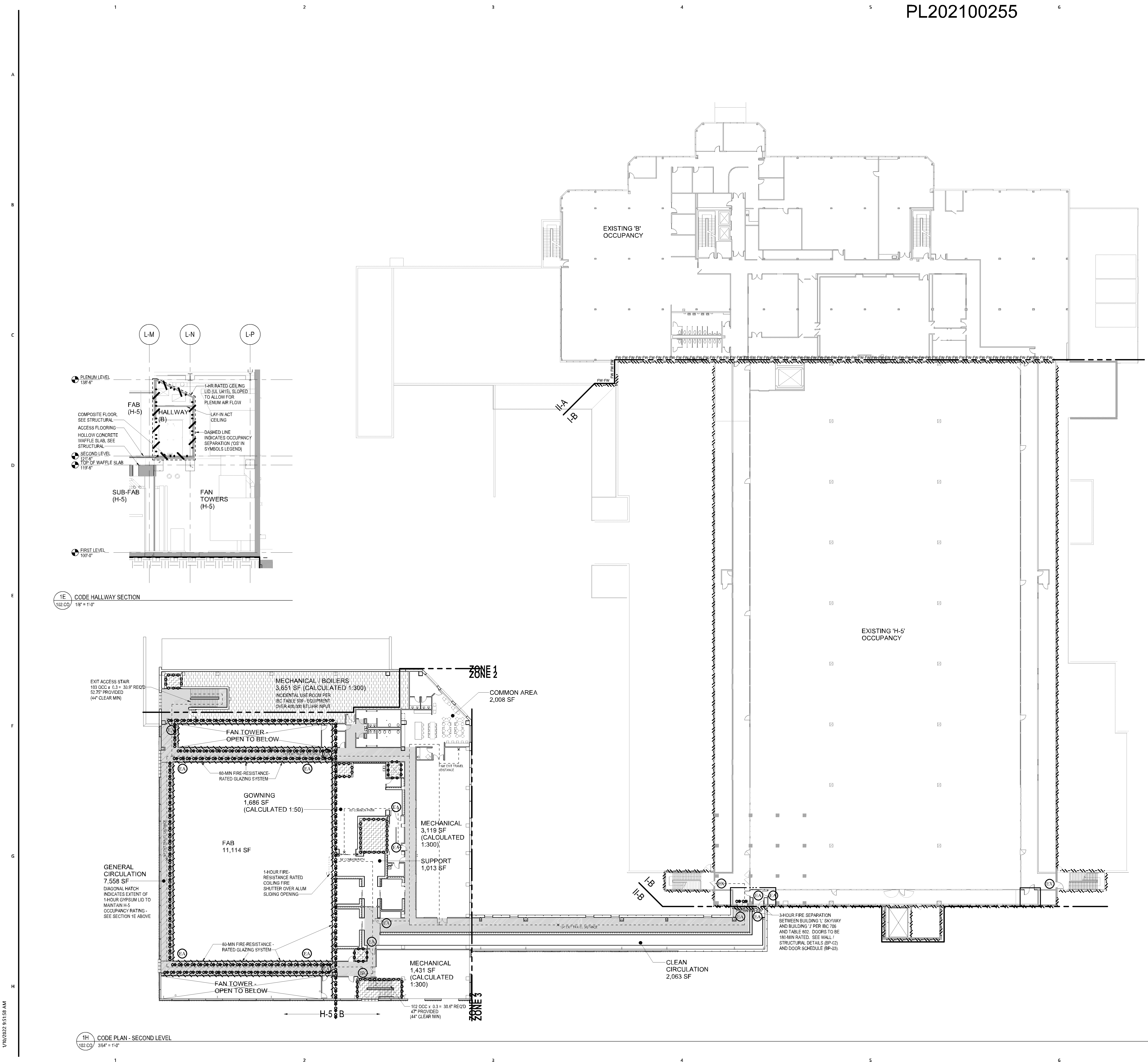
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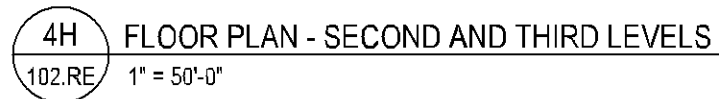
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SECOND LEVEL - CODE
PLAN AND CODE
SYMBOLS LEGEND

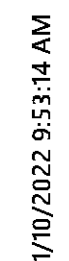
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SEE SHEET 101.CO FOR CODE
SUMMARY









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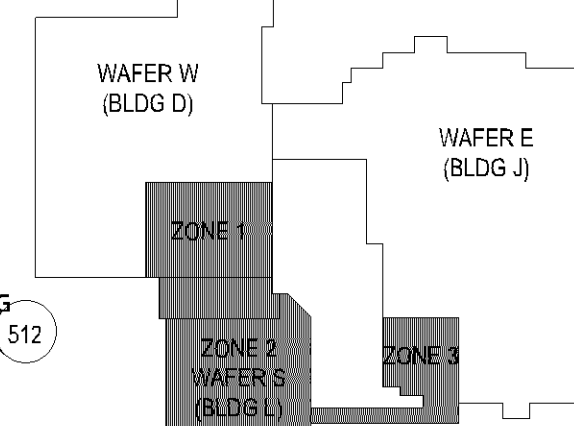
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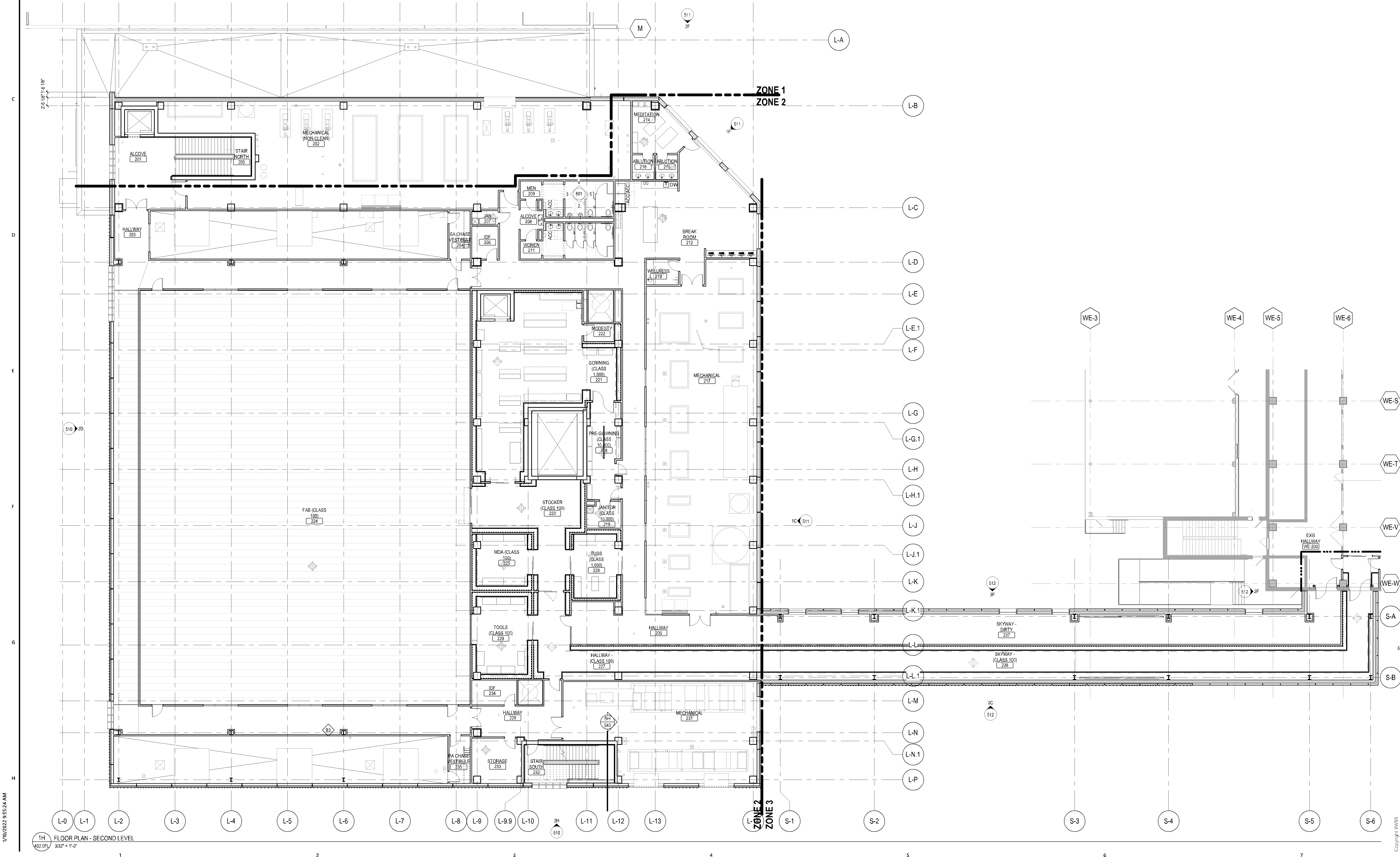
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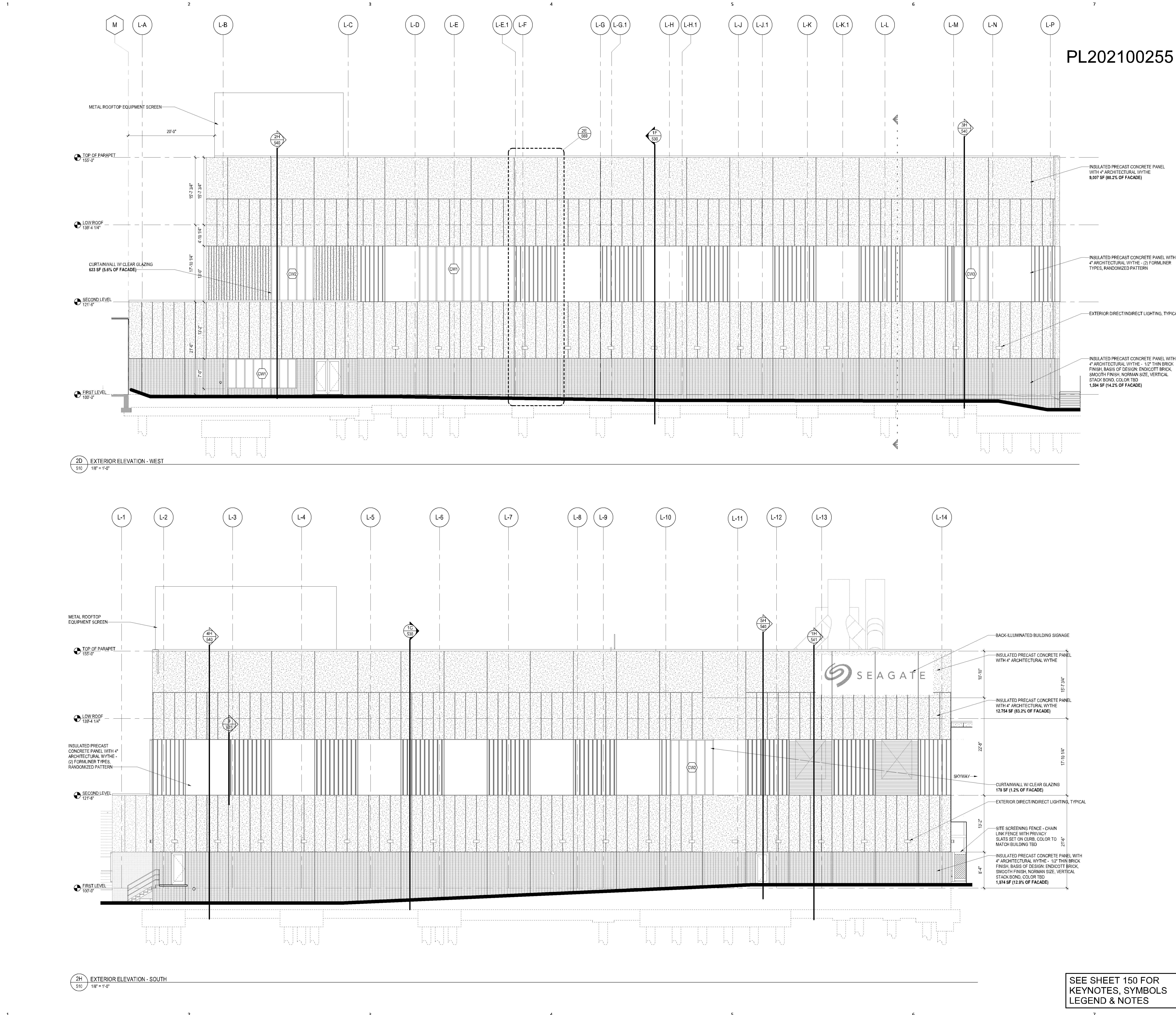
SECOND LEVEL -
OVERALL FLOOR PLAN

Sheet No.

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Sheet Title
EXTERIOR ELEVATIONS

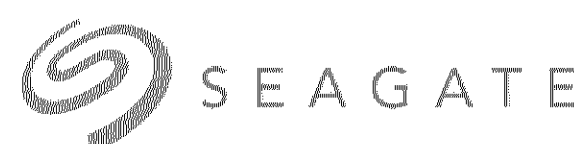
Sheet No.

510

SEE SHEET 150 FOR
KEYNOTES, SYMBOLS
LEGEND & NOTES

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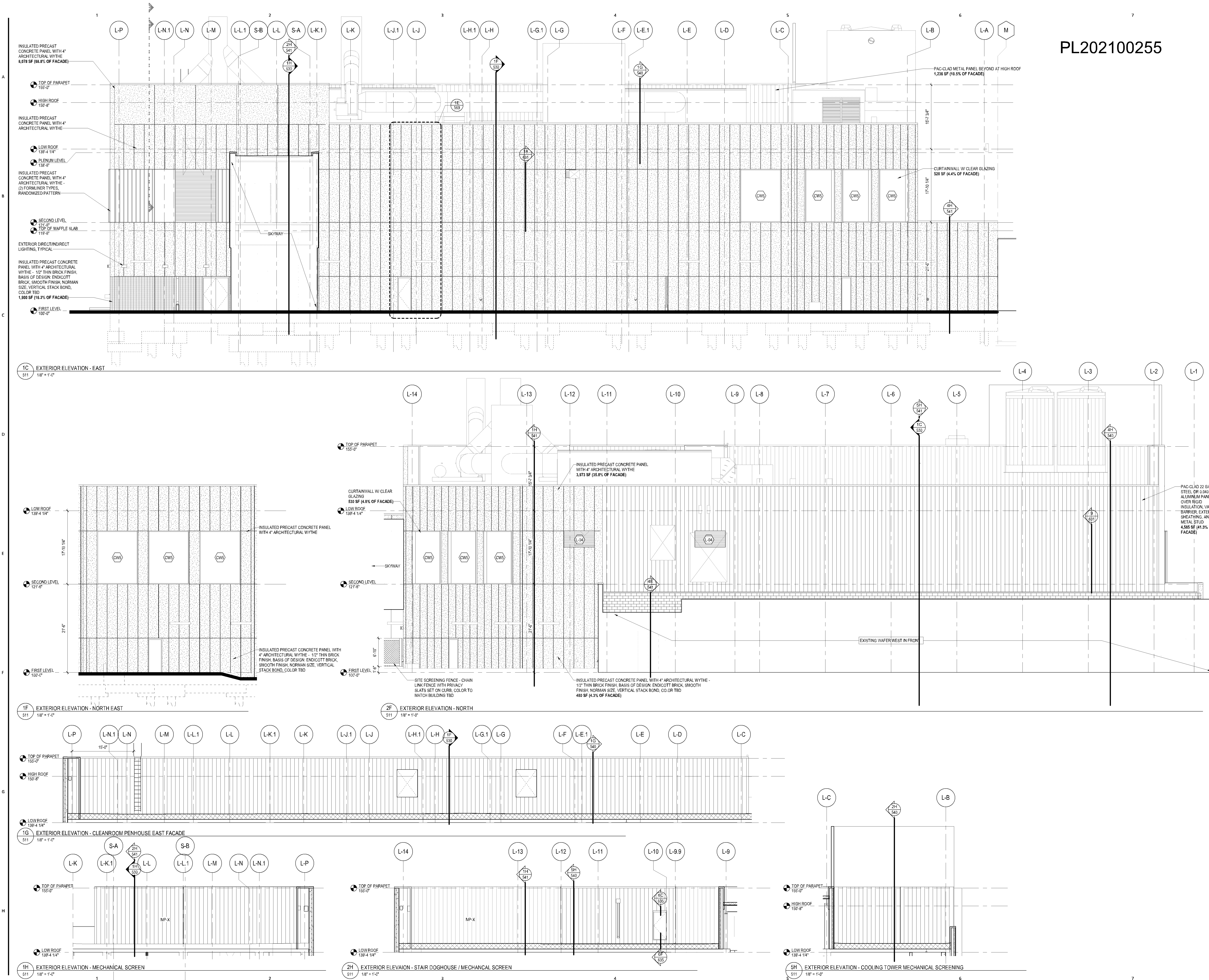
Sheet Title

EXTERIOR ELEVATIONS

Sheet No.

511

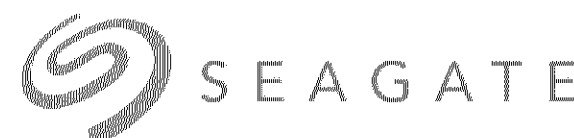
City



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SYMBOLS LEGEND - EXTERIOR ELEVATION			
	CURTAINWALL TAG		INSULATED PRECAST PANEL W/ THIN BRICK
	STOREFRONT TAG		INSULATED PRECAST PANEL
	LOUVER TAG		EXISTING BUILDING
	EXISTING BUILDING		GLASS SPANDREL PANEL
	GLASS SPANDREL PANEL		METAL PANEL
	METAL PANEL		OUTSIDE LIMITS
	OUTSIDE LIMITS		CONSTRUCTION LIMITS
	CONSTRUCTION LIMITS		ZONE 1
	ZONE 1		ZONE 2
	ZONE 2		MATCH LINE

KEYNOTES - EXTERIOR ELEVATION	
REV	NOTE: NOT ALL KEYNOTES MAY BE USED ON EACH DRAWING
EE01	EXISTING BUILDING
EE02	PRECAST PANEL JOINT
EE03	CONCRETE RAMP. SEE STRUCTURAL
EE04	PAINTED METAL COPING
EE05	INSULATED HOLLOW DOOR AND FRAME - PNT
EE06	GALVANIZED STAIR, GUARDRAIL AND LANDING - PNT
EE07	SITE EQUIPMENT SCREEN
EE08	ROOF EQUIPMENT SCREEN
EE09	MECHANICAL EQUIPMENT. SEE MECHANICAL EQUIPMENT SCREEN
EE10	BACK ILLUMINATED BUILDING SIGNAGE
EE11	STUMP. SEE STRUCTURAL
EE12	OVERFLOW DISCHARGE. SEE MECHANICAL
EE13	EXTERIOR DIRECT/INDIRECT LIGHTING. SEE ELECTRICAL
EE14	PRECOMPRESSED JOINT
EE15	ELEVATOR DOORHOUSE OVERRUN
EE16	EXTERIOR HOSE BIBB
EE17	ACCESS LADDER



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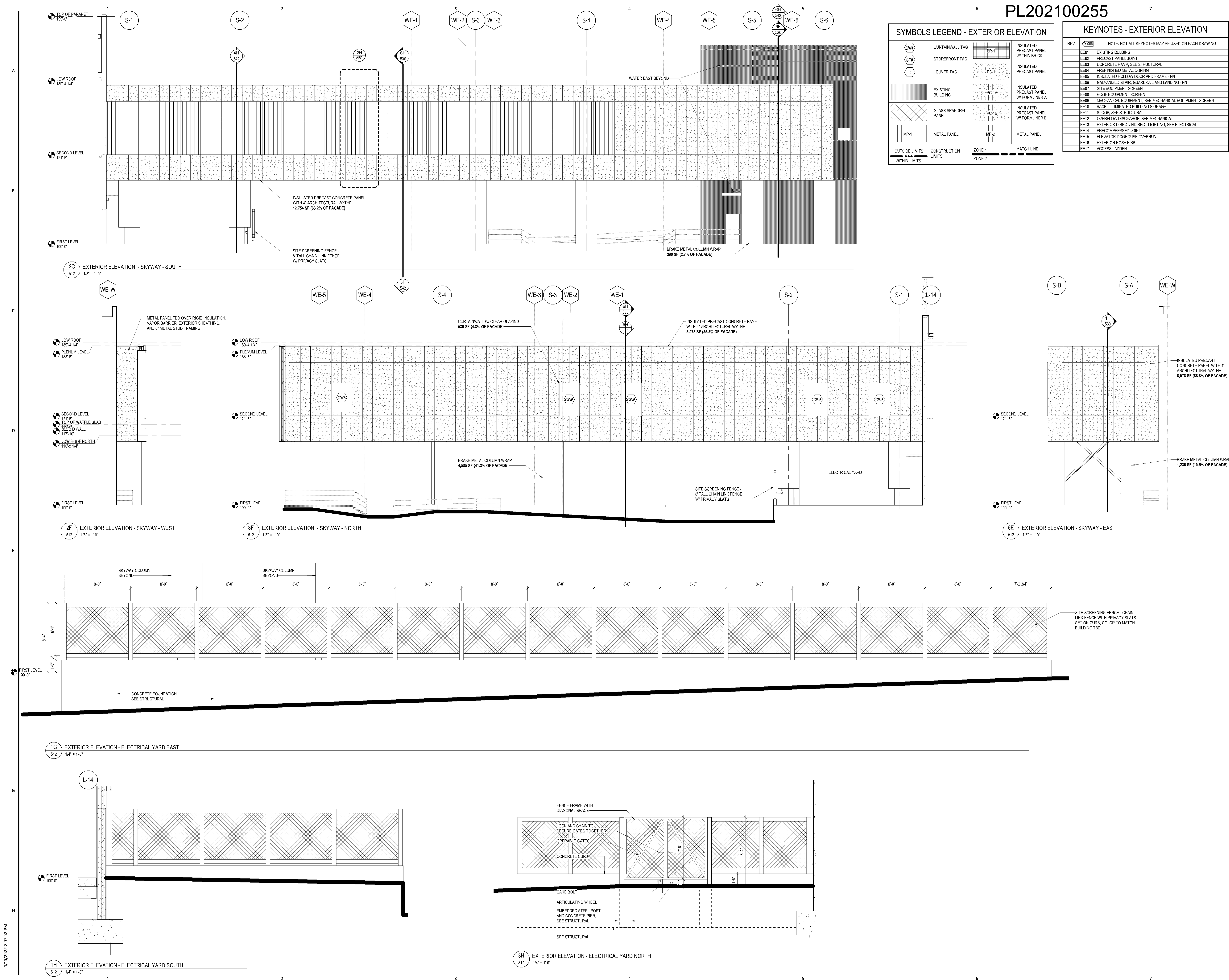
EXTERIOR ELEVATIONS

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512



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