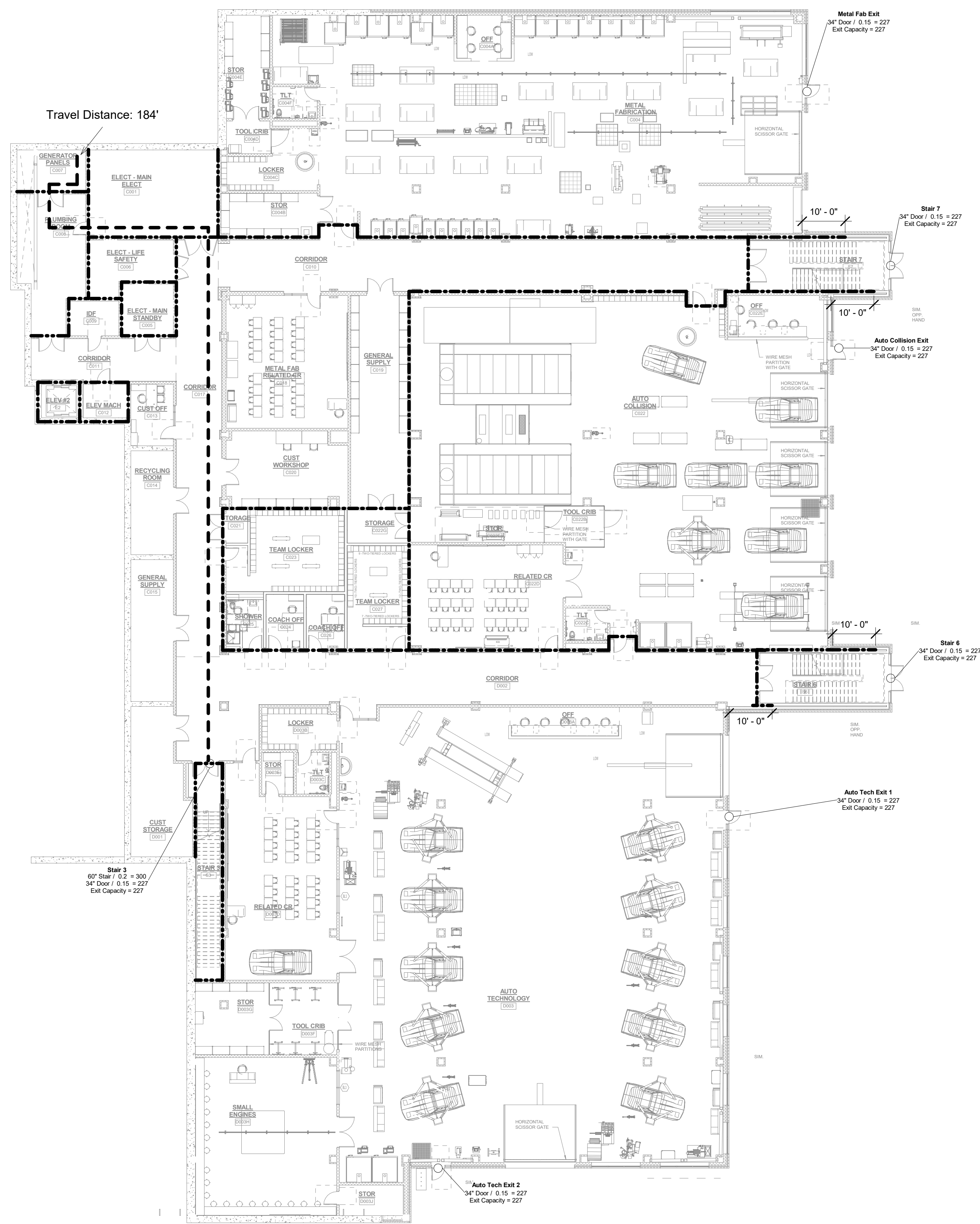


**NORTHEAST
METROPOLITAN
REGIONAL
VOCATIONAL
HIGH SCHOOL**
100 HEMLOCK RD,
WAKEFIELD, MA 01880



Occupant Load Lower Level			
Use	Floor Area	Floor Area Per Occupant (SF / OCC)	Occupant Load
Classroom	2888 SF	20	144.4
Lab / Vocational	23105 SF	50	462.1
Office	1289 SF	100	12.9
Storage / Mechanical	5957 SF	300	19.9
Weights	991 SF	50	19.8
	34230 SF		659.1

Exit Capacity Lower Level (780 CMR 1005.3)						
Exit	Stair Width	Stair Exit Allowance (in / person)	Stair Capacity (persons)	Door Width	Door Exit Allowance (in / person)	Door Capacity (persons)
Auto Collision Exit				34"	0.15	227
Auto Tech Exit 1				34"	0.15	227
Auto Tech Exit 2				34"	0.15	227
Metal Fab Exit				34"	0.15	227
Stair 3	60"	0.2	300	34"	0.15	227
Stair 6				34"	0.15	227
Stair 7				34"	0.15	227

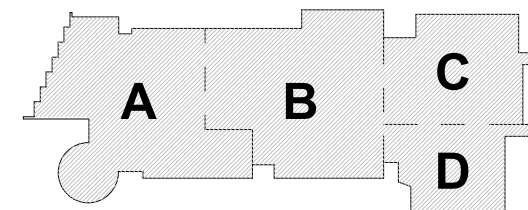
1587

LEGEND	
-----	2 HOUR WALL
-----	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
-----	1 HOUR WALL
-----	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

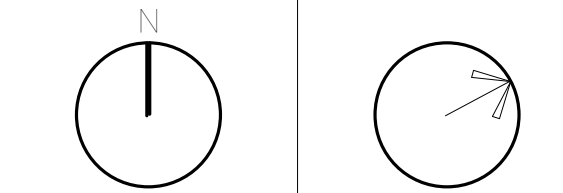
PROGRESS SET

1/5/2023



KEY PLAN

PROJECT NORTH MAGNETIC NORTH

**CODE ANALYSIS
LOWER LEVEL**

Scale: 1/16" = 1'-0"

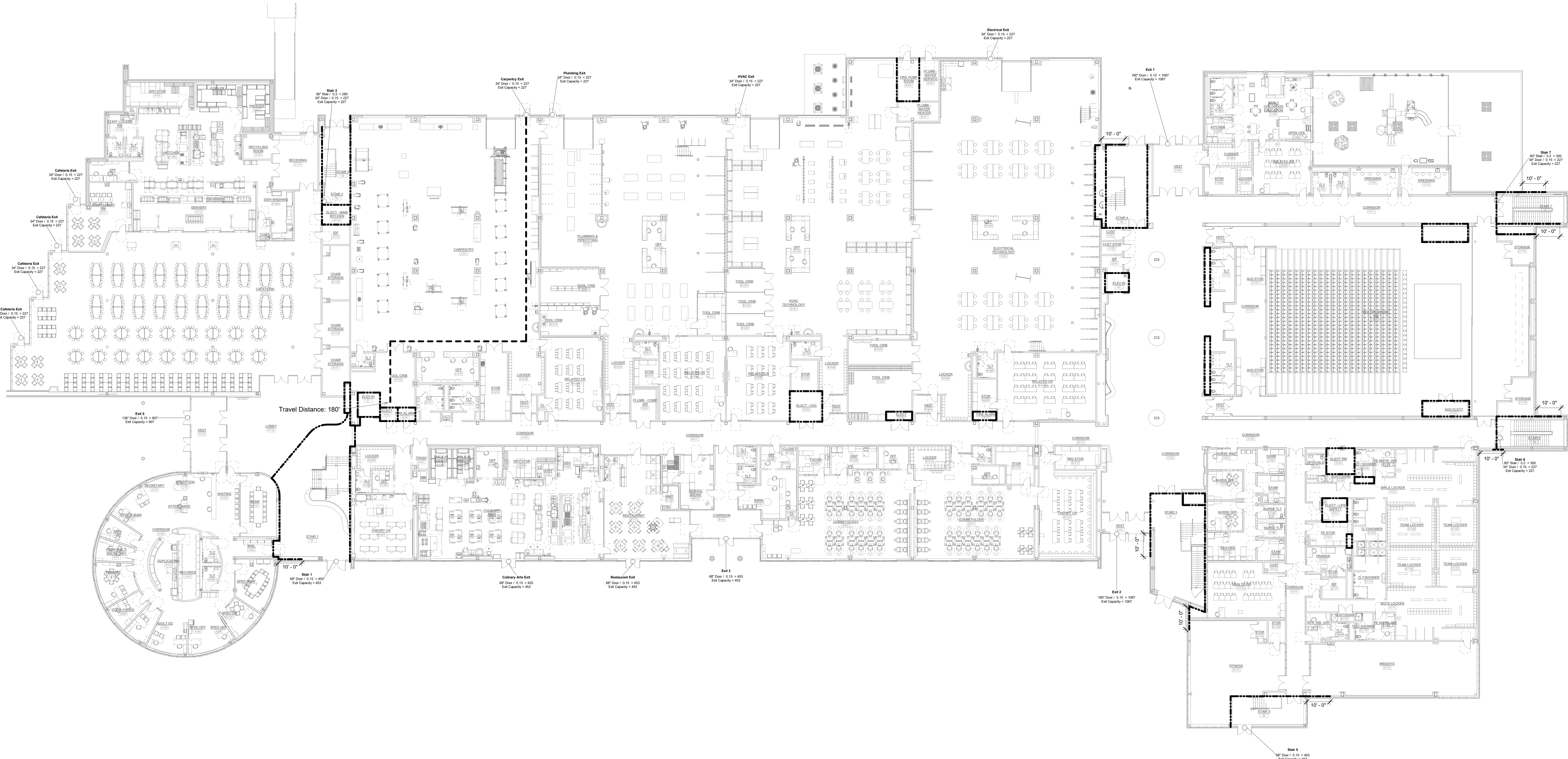
Job No.: 20202

Drawn By: DEC

Date: 1/5/2023

Volume

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**NORTHEAST
METROPOLITAN
REGIONAL
VOCATIONAL
HIGH SCHOOL**
100 HEMLOCK RD,
WAKEFIELD, MA 01880

Occupant Load First Floor			
Use	Floor Area	Floor Area Per Occupant (SF / OCC)	Occupant Load
Bank	534 SF	100	5.3
Cafeteria	7929 SF	15	528.6
Classroom	7128 SF	20	356.4
Conference	721 SF	15	48.0
Dressing	493 SF	15	32.8
Fitness	1532 SF	50	30.6
Kitchen	3143 SF	200	15.7
Lab / Vocational	43672 SF	50	873.4
Locker Room	6486 SF	50	129.7
Multipurpose Fixed Seating	3881 SF	7	555.0
Office	6949 SF	100	69.5
Performance / Practice	1154 SF	15	76.9
Playground	2242 SF	50	44.8
Restaurant	1409 SF	15	93.9
Staff Lunch	637 SF	15	42.4
Stage	638 SF	15	42.5
Storage / Mechanical	11541 SF	300	38.5
Store	358 SF	60	6.0
	100435 SF		3019.6

Exit Capacity First Floor (780 CMR 1005.3)						
Exit	Stair Width	Stair Exit Allowance (in / person)	Stair Capacity (persons)	Door Width	Door Exit Allowance (in / person)	Door Capacity (persons)
Cafeteria Exit				34"	0.15	227
Cafeteria Exit				34"	0.15	227
Cafeteria Exit				34"	0.15	227
Cafeteria Exit				34"	0.15	227
Carpentry Exit				34"	0.15	227
Culinary Arts Exit				68"	0.15	453
Electrical Exit				34"	0.15	227
Exit 1				160"	0.15	1067
Exit 2				160"	0.15	1067
Exit 3				68"	0.15	453
Exit 4				136"	0.15	907
HVAC Exit				34"	0.15	227
Plumbing Exit				34"	0.15	227
Restaurant Exit				68"	0.15	453
Stair 1				68"	0.15	453
Stair 2	56"	0.2	280	34"	0.15	227
Stair 5				68"	0.15	453
Stair 6	60"	0.2	300	34"	0.15	227
Stair 7	60"	0.2	300	34"	0.15	227
7800						

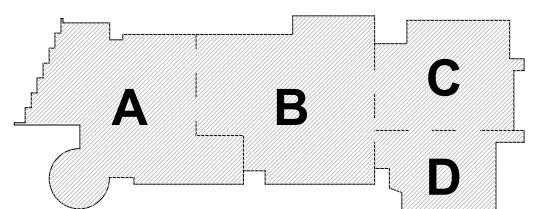
LEGEND	
-----	2 HOUR WALL
-----	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
-----	1 HOUR WALL
-----	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

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PROGRESS SET

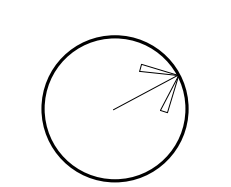
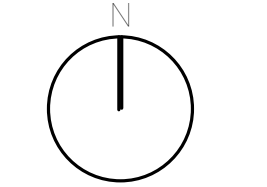
1/5/2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

**CODE ANALYSIS
FIRST FLOOR**

Scale: 1/16" = 1'-0"

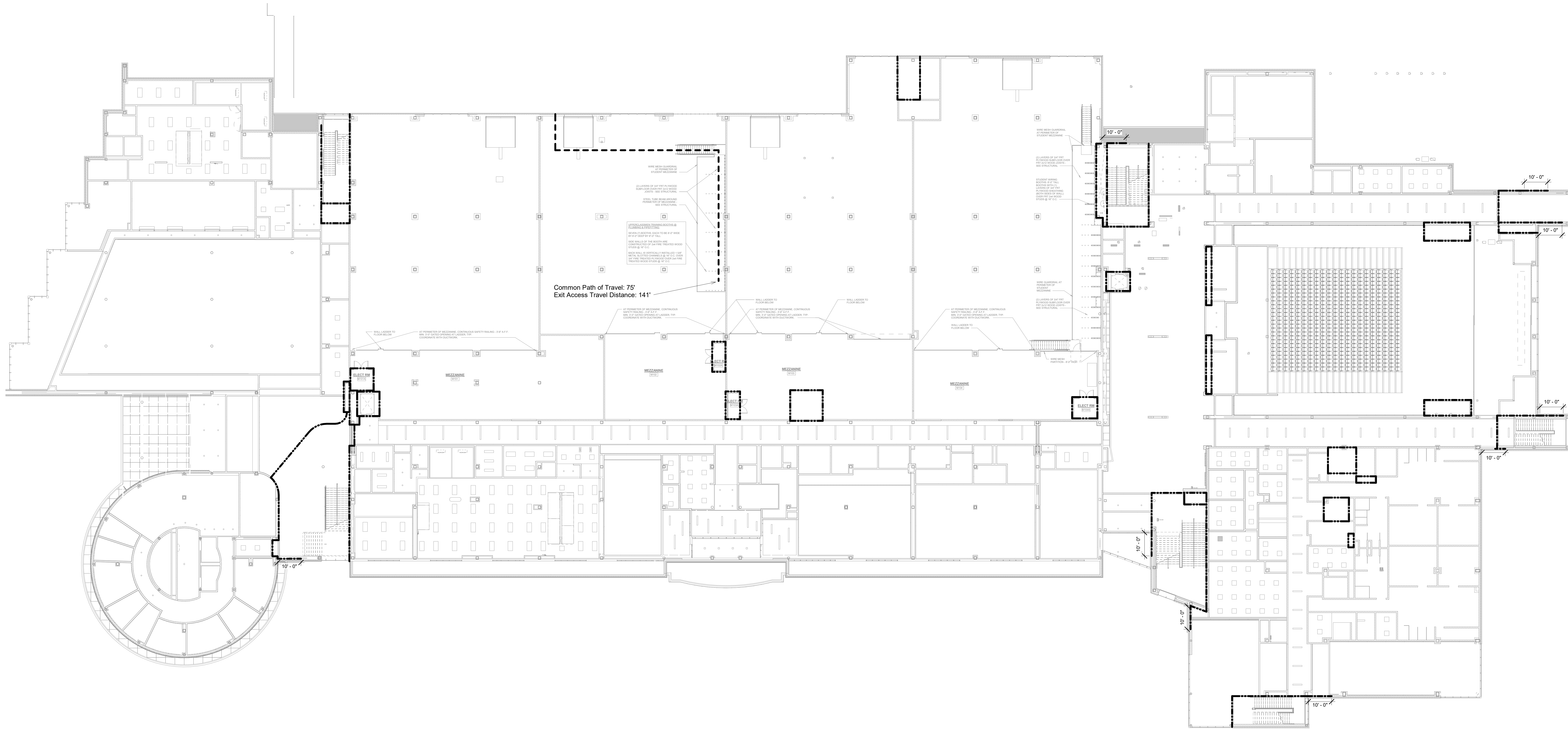
Job No.: 20202

Drawn By: DEC

Date: 1/5/2023

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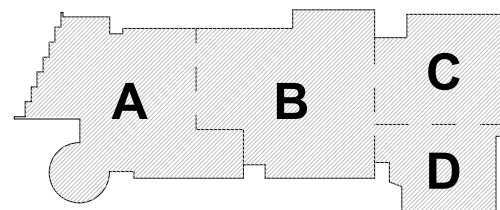
CD1-2



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PROGRESS SET

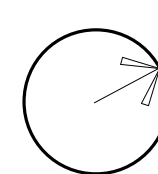
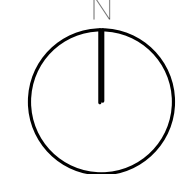
1/5/2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH



CODE ANALYSIS
FIRST FLOOR
MEZZ

Scale: 1/16" = 1'-0"

Job No.: 20202

Drawn By: DEC

Date: 1/5/2023

Volume

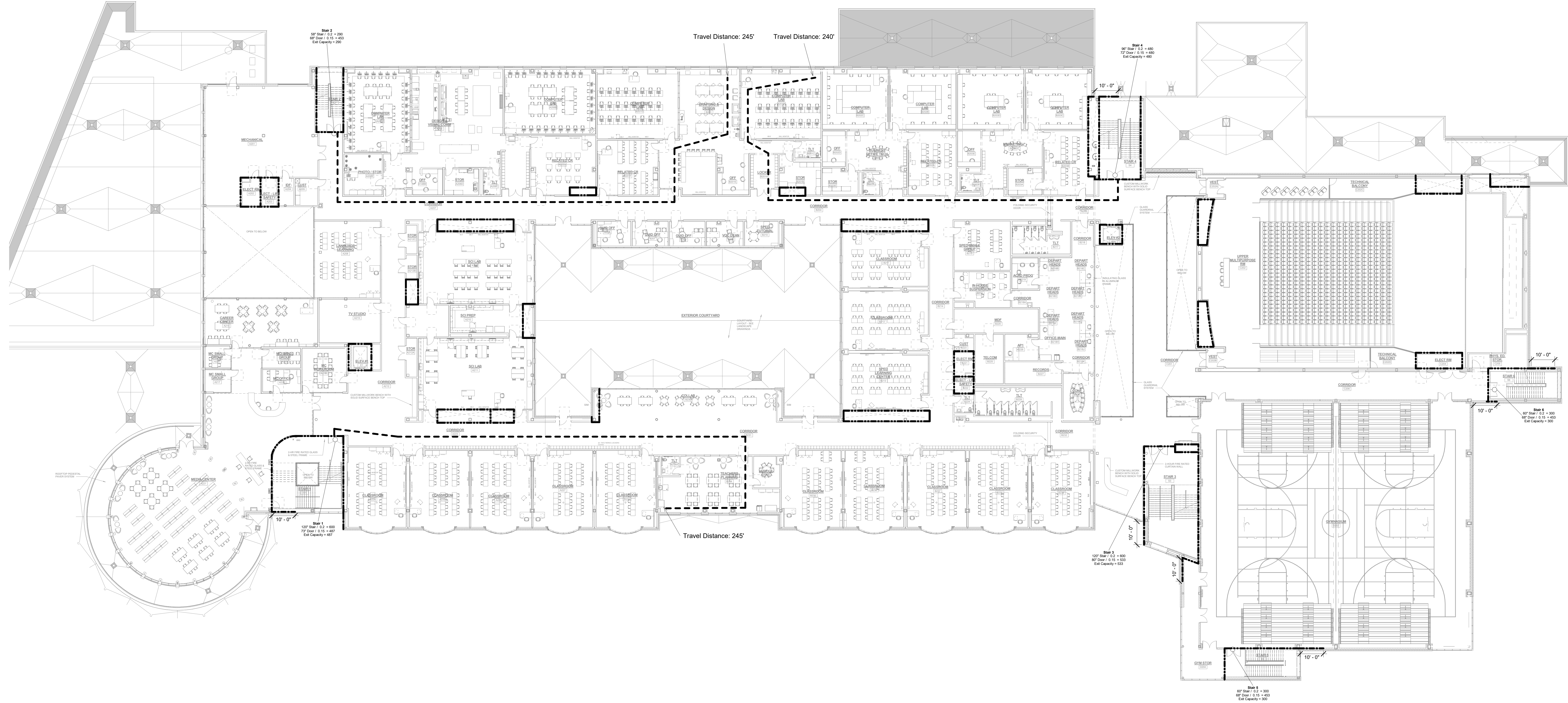
CD1-3

LEGEND

-----	2 HOUR WALL
-----	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
-----	1 HOUR WALL
-----	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

**NORTHEAST
METROPOLITAN
REGIONAL
VOCATIONAL
HIGH SCHOOL**
100 HEMLOCK RD.
WAKEFIELD, MA 01880



Occupant Load Second Floor			
Use	Floor Area	Floor Area Per Occupant (SF / OCC)	Occupant Load
Classroom	15102 SF	20	755.1
Collab	914 SF	20	45.7
Conference	258 SF	15	17.2
Courtyard (Requested Actual Posted)	8797 SF	180	49.0
Gym Seating	3141 SF		684.0
Gymnasium Floor	7020 SF	50	140.4
Lab / Vocational	15888 SF	50	317.8
Media Center	7909 SF	50	158.2
Multipurpose Seating	957 SF	7	136.7
Office	3465 SF	100	34.7
Prep	455 SF	100	4.5
Storage / Mechanical	6448 SF	300	21.5
Teacher Planning	1236 SF	100	12.4
	71591 SF		2377.2

Exit Capacity Second Floor (780 CMR 1005.3)							
Exit	Stair Width	Stair Exit Allowance (in / person)	Stair Capacity (persons)	Door Width	Door Exit Allowance (in / person)	Door Capacity (persons)	Exit Capacity (persons)
Stair 1	120"	0.2	600	73"	0.15	487	487
Stair 2	58"	0.2	290	68"	0.15	453	290
Stair 3	120"	0.2	600	80"	0.15	533	533
Stair 4	96"	0.2	480	72"	0.15	490	480
Stair 5	60"	0.2	300	68"	0.15	453	300
Stair 6	60"	0.2	300	68"	0.15	453	300
							2390

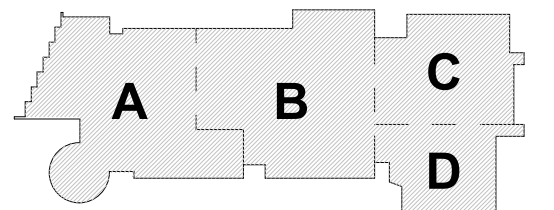
LEGEND	
-----	2 HOUR WALL
-----	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
-----	1 HOUR WALL
-----	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

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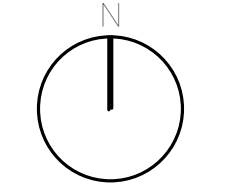
PROGRESS SET

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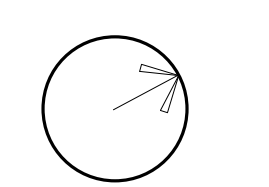


KEY PLAN

PROJECT NORTH



MAGNETIC NORTH



**CODE ANALYSIS
SECOND FLOOR**

Scale: 1/16" = 1'-0"

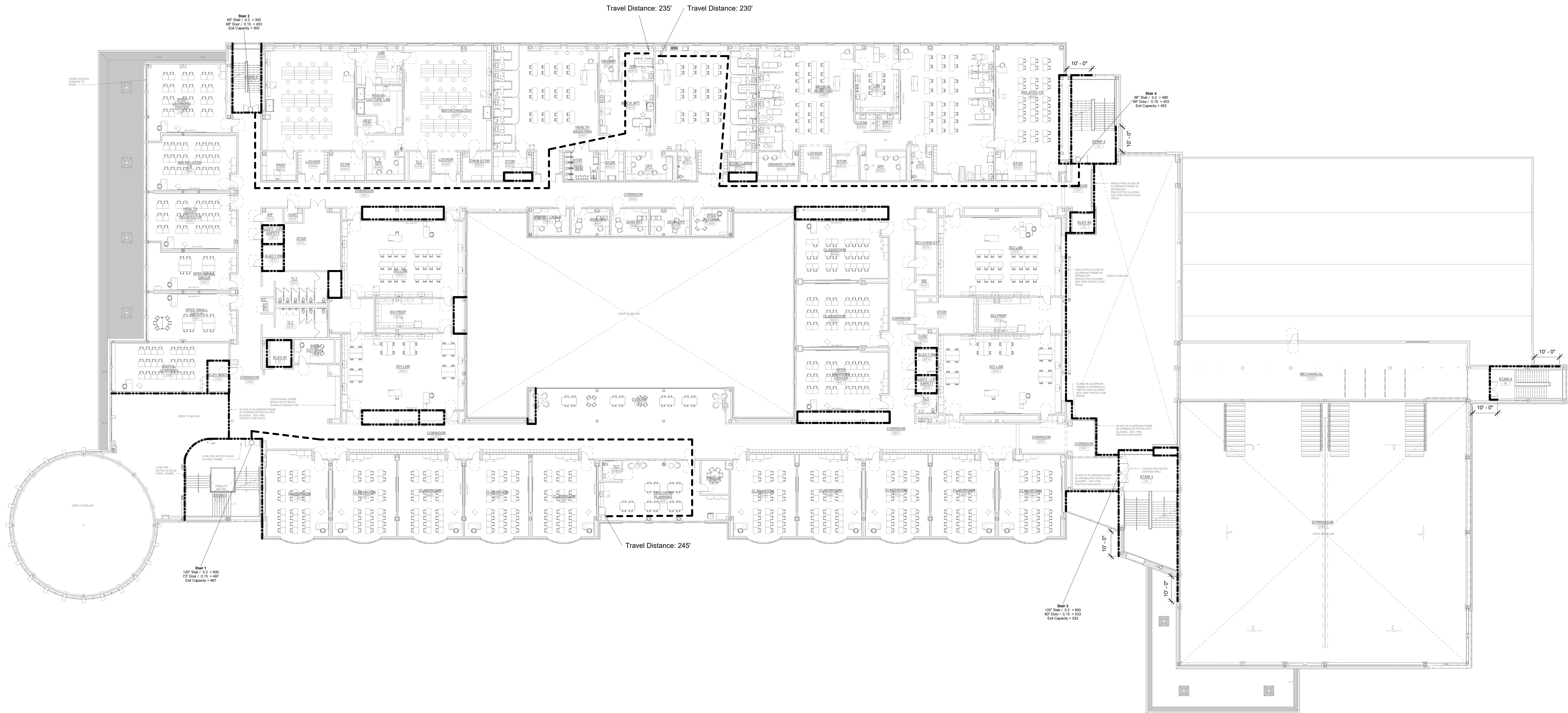
Job No.: 20202

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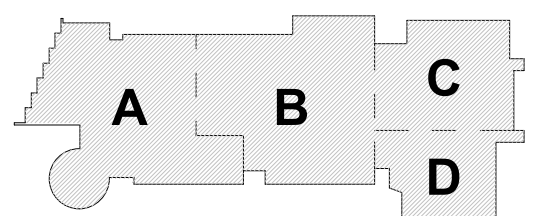
CD1-4

**NORTHEAST
METROPOLITAN
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HIGH SCHOOL**100 HEMLOCK RD,
WAKEFIELD, MA 01880

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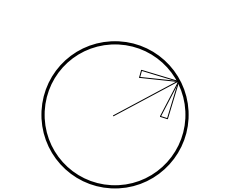
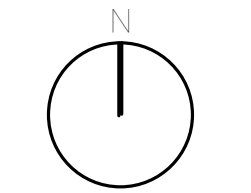
1/5/2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

**CODE ANALYSIS
THIRD FLOOR**

Scale: 1/16" = 1'-0"

Job No.: 20202

Drawn By: DEC

Date: 1/5/2023

Volume

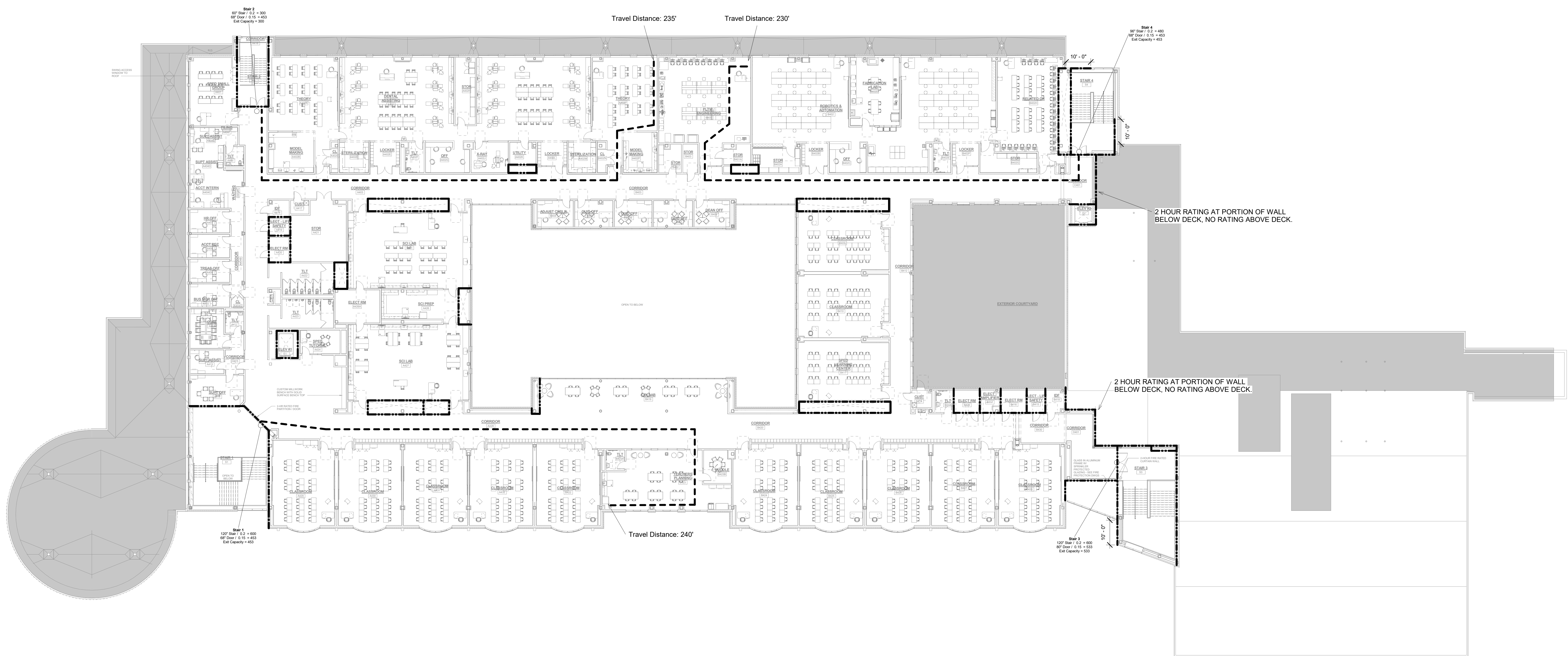
CD1-5

Occupant Load Third Floor			
Use	Floor Area	Floor Area Per Occupant (SF / OCC)	Occupant Load
Classroom	15710 SF	20	785.5
Collab	985 SF	20	49.2
Lab / Vocational	20554 SF	50	411.1
Office	1738 SF	100	17.4
Prep	1431 SF	100	14.3
Storage / Mechanical	2927 SF	300	9.8
Teacher Planning	1259 SF	100	12.6
	44604 SF		1299.8

Exit Capacity Third Floor (780 CMR 1005.3)							
Exit	Stair Width	Stair Exit Allowance (in / person)	Stair Capacity (persons)	Door Width	Door Exit Allowance (in / person)	Door Capacity (persons)	Exit Capacity (persons)
Stair 1	120"	0.2	600	73"	0.15	487	487
Stair 2	60"	0.2	300	68"	0.15	453	300
Stair 3	120"	0.2	600	80"	0.15	533	533
Stair 4	96"	0.2	480	68"	0.15	453	453
							1773

LEGEND	
	2 HOUR WALL
	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
	1 HOUR WALL
	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

**NORTHEAST
METROPOLITAN
REGIONAL
VOCATIONAL
HIGH SCHOOL**
100 HEMLOCK RD,
WAKEFIELD, MA 01880

Occupant Load Fourth Floor			
Use	Floor Area	Floor Area Per Occupant (SF / OCC)	Occupant Load
Classroom	14922 SF	20	746.1
Collab	985 SF	20	49.2
Conference	253 SF	15	16.9
Lab / Vocational	12432 SF	50	248.6
Office	3683 SF	100	36.8
Prep	449 SF	100	4.5
Storage / Mechanical	2905 SF	300	9.7
Teacher Planning	1253 SF	100	12.5
	36881 SF		1124.4

Exit Capacity Fourth Floor (780 CMR 1005.3)							
Exit	Stair Width	Stair Exit Allowance (in / person)	Stair Capacity (persons)	Door Width	Door Exit Allowance (in / person)	Door Capacity (persons)	Exit Capacity (persons)
Stair 1	120"	0.2	600	73"	0.15	487	487
Stair 2	60"	0.2	300	68"	0.15	453	300
Stair 3	120"	0.2	600	80"	0.15	533	533
Stair 4	96"	0.2	480	68"	0.15	453	453

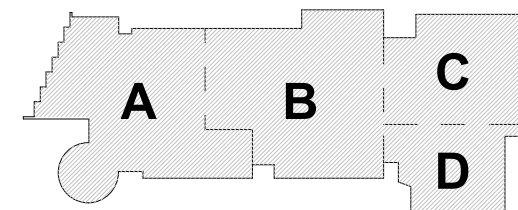
1773

LEGEND	
-----	2 HOUR WALL
-----	SPRINKLER PROTECTED GLAZING (ALT. DESIGN REQUEST)
-----	1 HOUR WALL
-----	TRAVEL DISTANCE

Note: Required smoke resistant walls are not shown for clarity but must be provided at Laboratories and Boiler Rooms as required by 780 CMR Table 508.2.5

PROGRESS SET

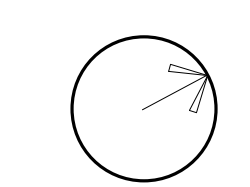
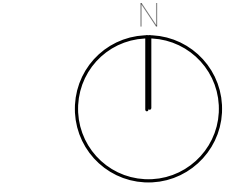
1/5/2023



KEY PLAN

PROJECT NORTH

MAGNETIC NORTH

**CODE ANALYSIS
FOURTH FLOOR**

Scale: 1/16" = 1'-0"

Job No.: 20202

Drawn By: DEC

Date: 1/5/2023

Volume

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