

SEISMIC ASSESSMENTS FOR THE BEAVERTON SCHOOL DISTRICT

(VOLUME 4 OF 4)

KPFF PROJECT No. 10021800125

APRIL 12, 2019



SUBMITTED TO:

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SEISMIC ASSESSMENTS FOR THE BEAVERTON SCHOOL DISTRICT

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VOLUME 4 - APPENDIX F INDEX

This index of District facilities has been added for convenience. Click the facility name to jump to its risk zone plan.

ELEMENTARY SCHOOLS

Barnes
Beaver Acres
Bethany
Cedar Mill
Chehalem
Cooper Mountain
Elmonica
Errol Hassell
Findley
Fir Grove
Greenway
Hiteon
Jacob Wismer
Kinnaman
McKay
McKinley
Montclair
Nancy Ryles
Oak Hills
Raleigh Hills
Raleigh Park
Ridgewood
Rock Creek
Scholls Heights
Sexton Mountain
Terra Linda
West Tualatin View

MIDDLE SCHOOLS

Cedar Park
Conestoga
Five Oaks
Highland Park
Meadow Park
Mountain View
Stoller
Whitford

HIGH SCHOOLS

Aloha
Beaverton
Merle Davies
Southridge
Sunset
Westview

OPTION SCHOOLS

Capital Center
International School of Beaverton (ISB)
Merlo Station
Terra Nova

SUPPORT FACILITIES

Administration Center
Maintenance
Transportation & Support Center (TSC)
Transportation Allen
Transportation 5th St North
Transportation 5th St South

Appendix F






Campus Risk Zone Plans

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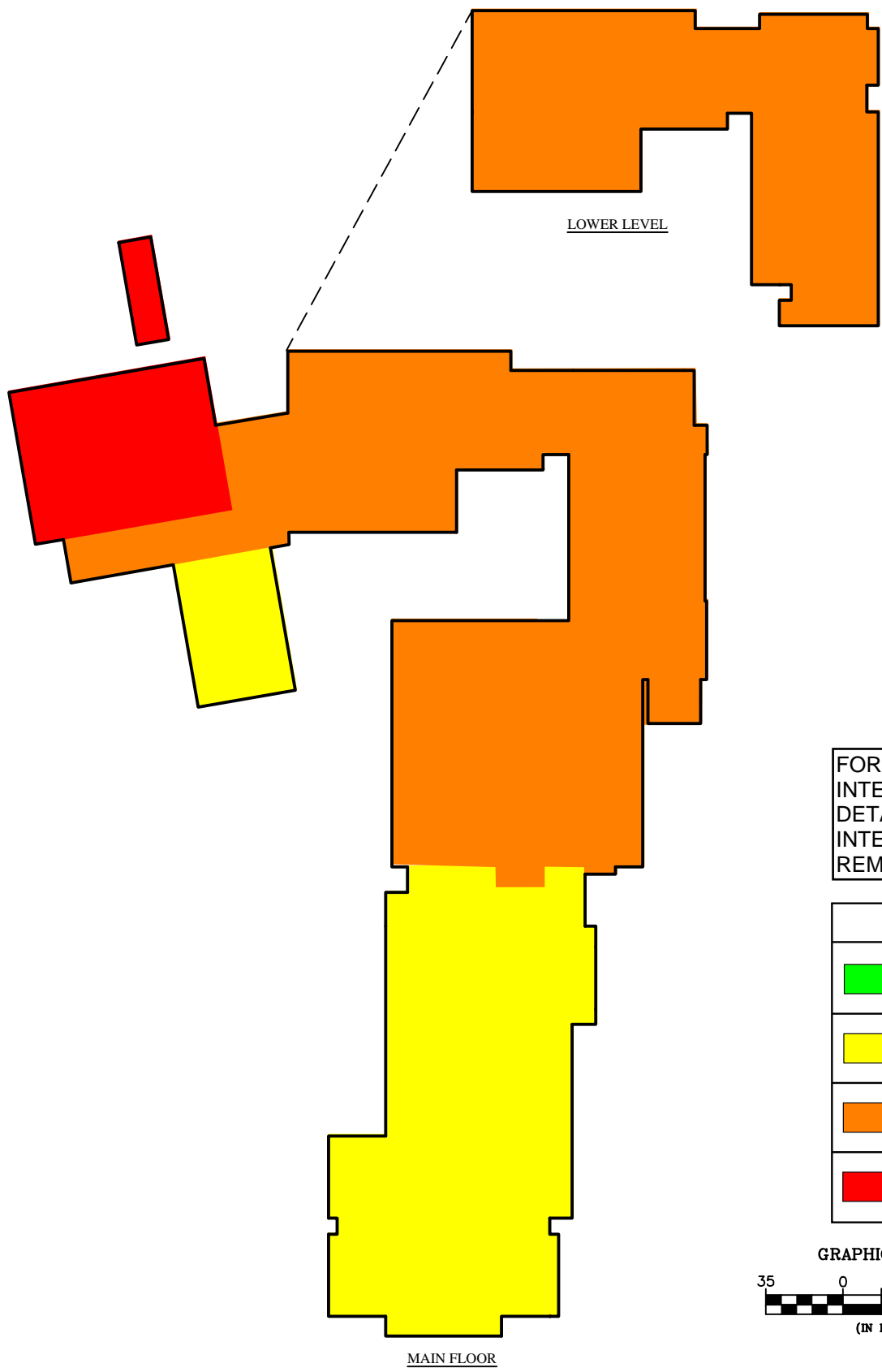
Risk Zone Plans

Appendix F consists of Risk Zone Plans for every campus building within the Beaverton School District that falls within the structural performance zones of ASCE 41-17: “Limited Safety (S-4)”, “Collapse Prevention (S-5)” and “less than Collapse Prevention (S-6)”. These risk plans are intended to show portions of the buildings that fall within the structural performance zones and the largest areas of concern for structural performance. Buildings that did not lie in the three above listed zones were not included in the risk zone plans as their entire structure meets either Life Safety or better structural performance level. The buildings with no risk zone plans consisted of: Aloha-Huber Park ES, Bonny Slope ES, Hazeldale ES, Sato ES, Springville ES, Vose ES, William Walker ES, Timberland MS, Mountainside HS, and the Arts & Communication ACMA. All risk zone plans were evaluated using only structural performance information, non-structural performance was not considered when creating these risk zones plans.





The Risk Zone Plan legend is shown below. The color coding is used to clearly illustrate the expected performance of each zone within each building. These colors are based on the colors used in Figure 3 of this report and match the structural performance criteria of each zone from that figure.

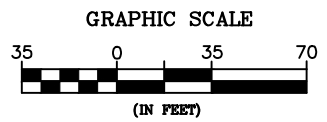
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	MEETS OR EXCEEDS DISTRICT GOAL
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

During or after a major seismic event, the zones shown in **Red** and **Orange** are expected to see the most structural damage, including the highest risk of collapse or partial collapse. Zones marked as **Yellow** meet the Life Safety performance criteria of ASCE 41-17. These zones of the building may see significant structural damage but partial or total collapse are both unlikely. **Green** zones represent zones of each building that were built to at least Risk Category III per recent codes and will see little to no structural damage. These zones typically only occur in a building or addition constructed after 2004. All zones should remain unoccupied after a major seismic event until they have been properly evaluated by a qualified engineer approved by the governing jurisdiction.







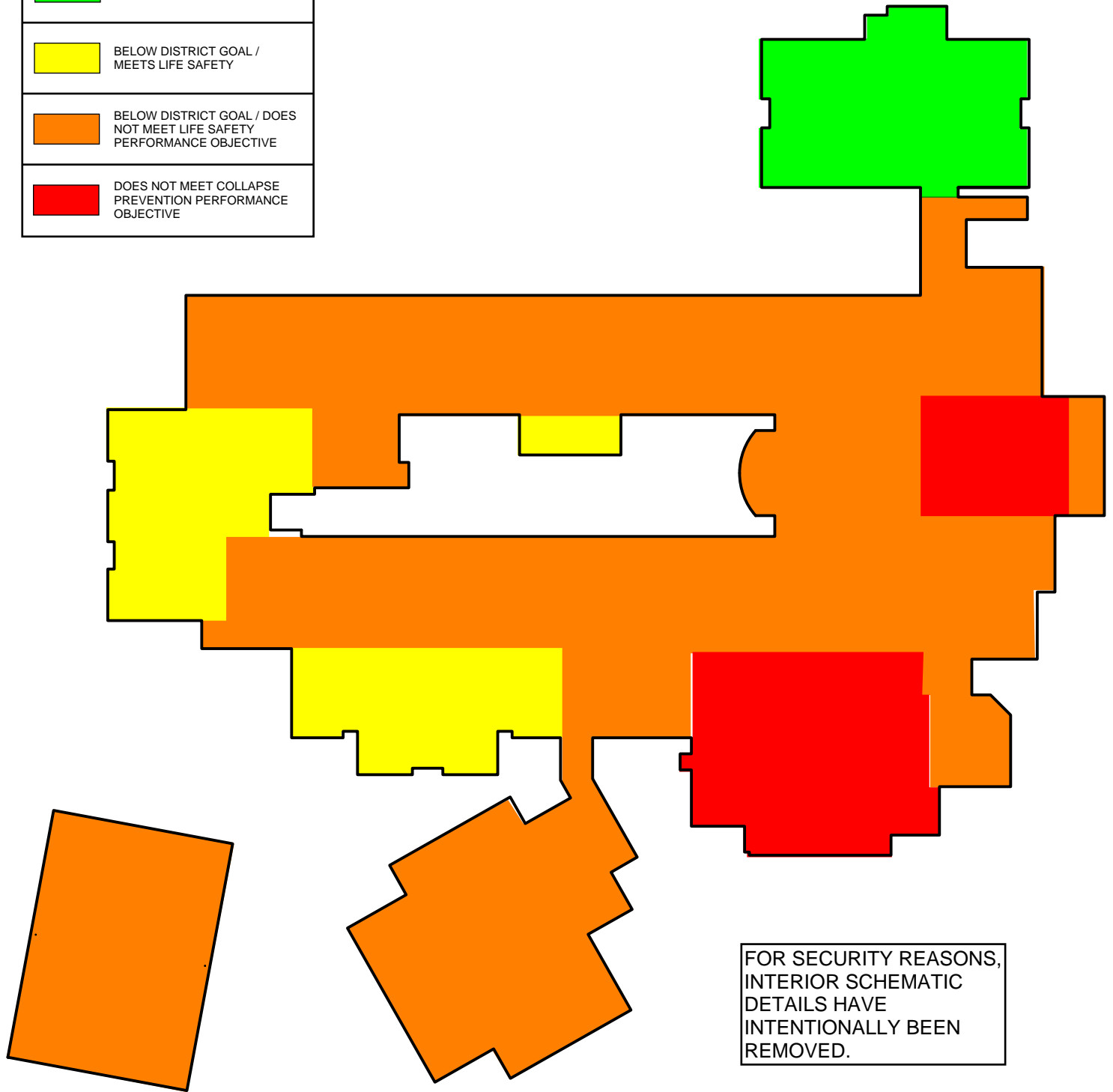
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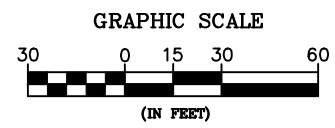


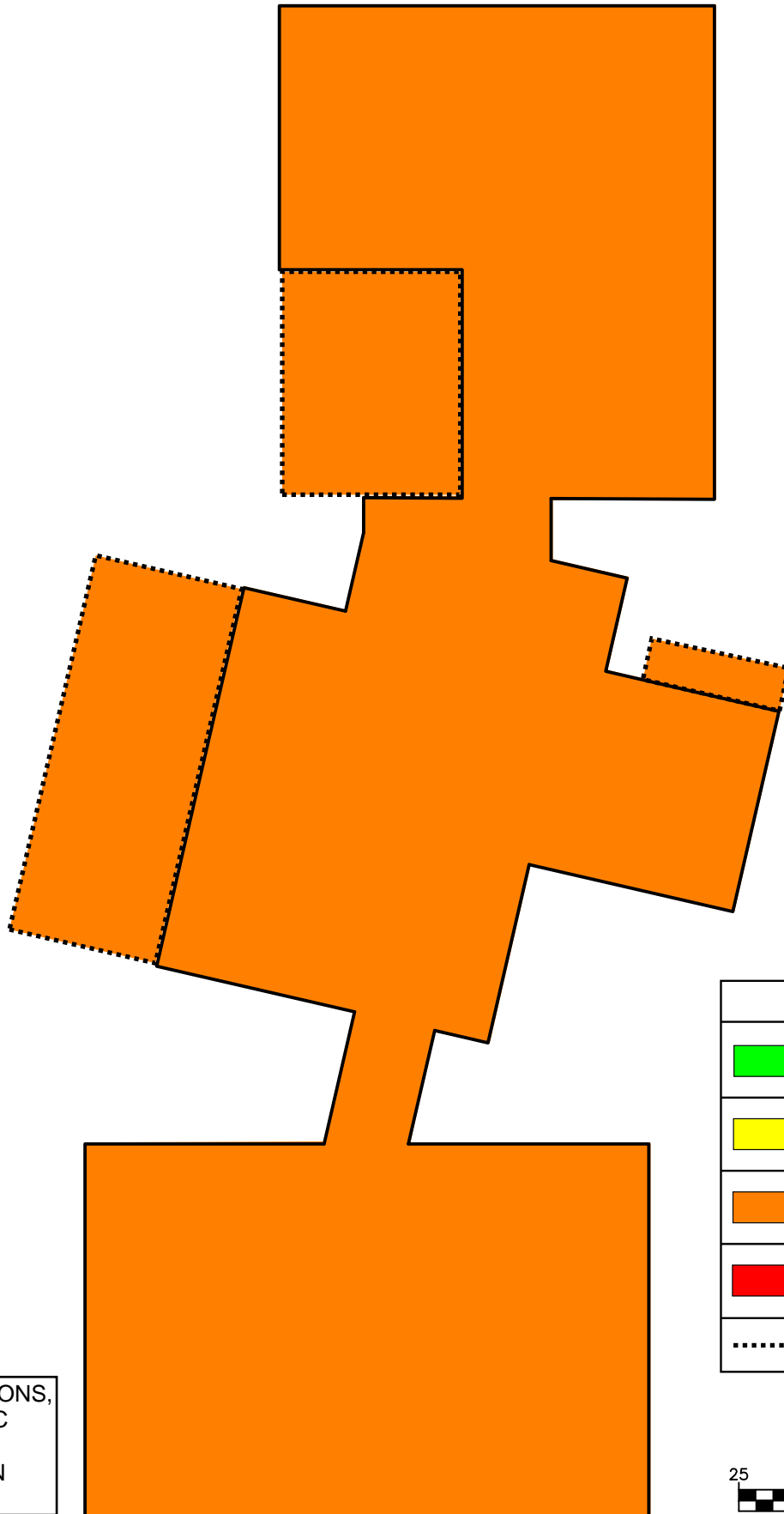
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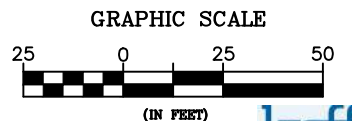
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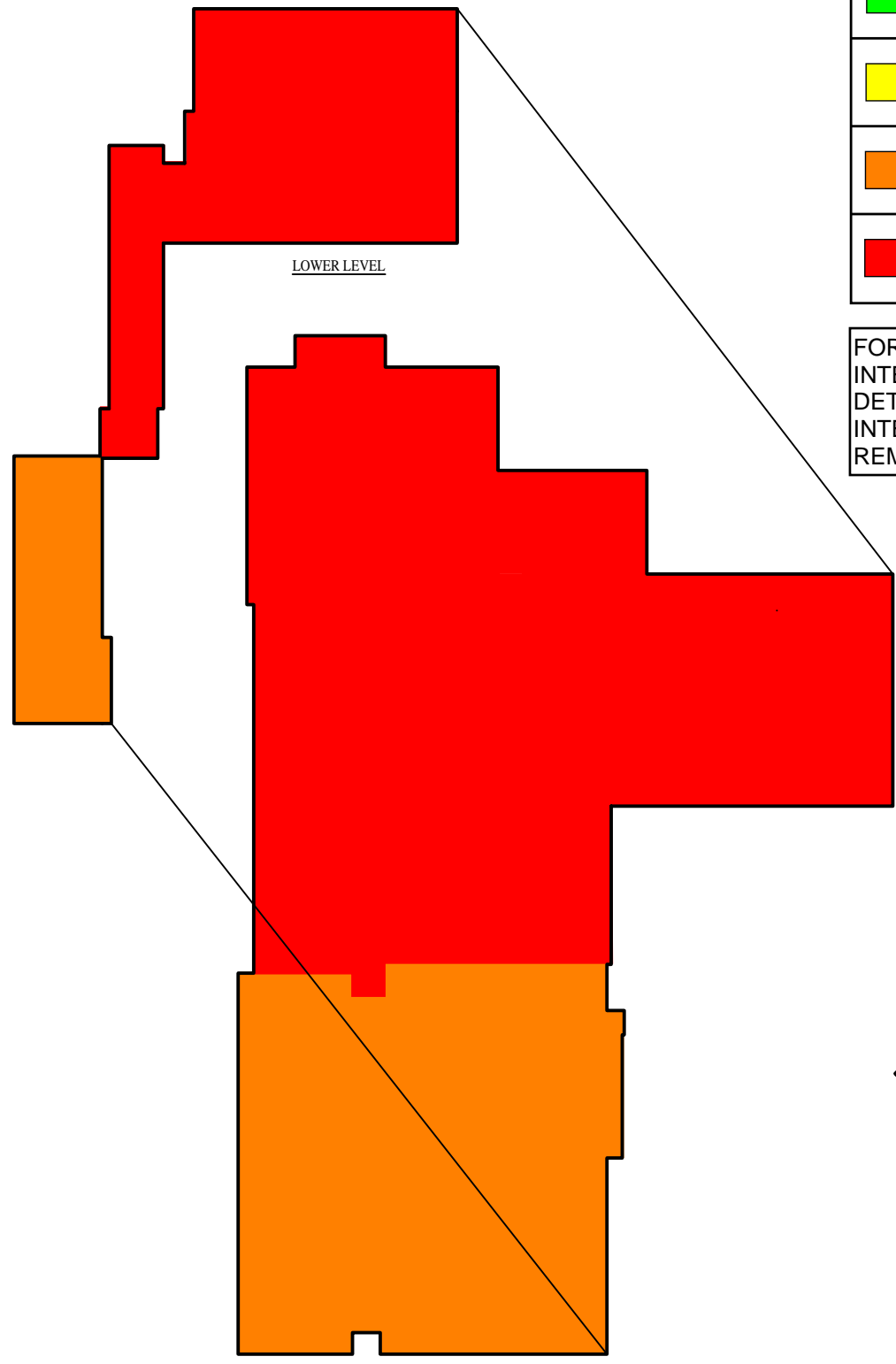
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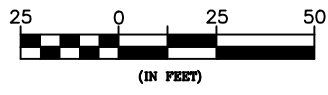
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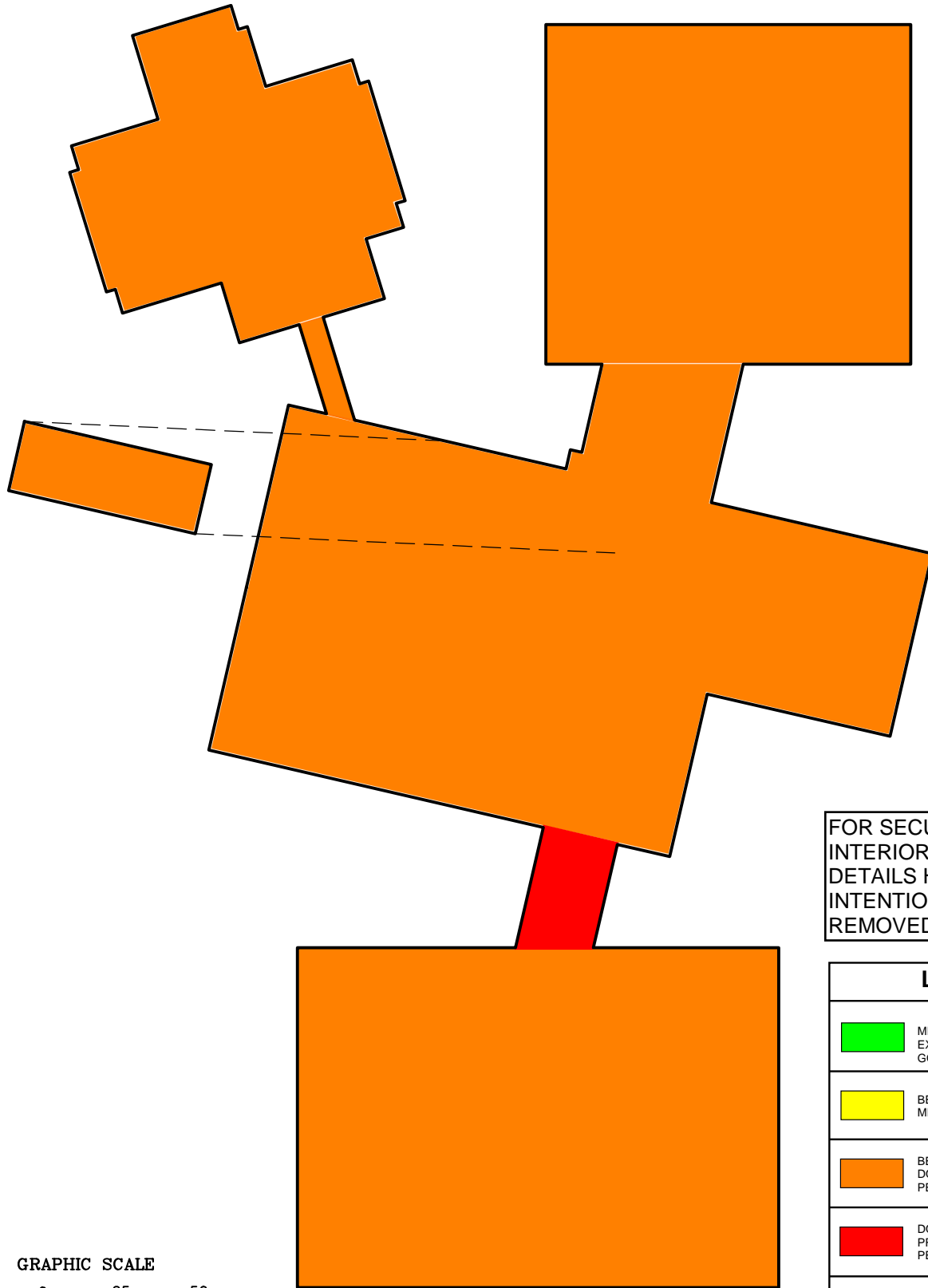


LOWER LEVEL






MAIN LEVEL

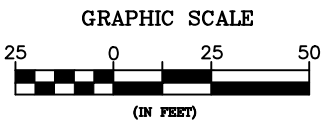
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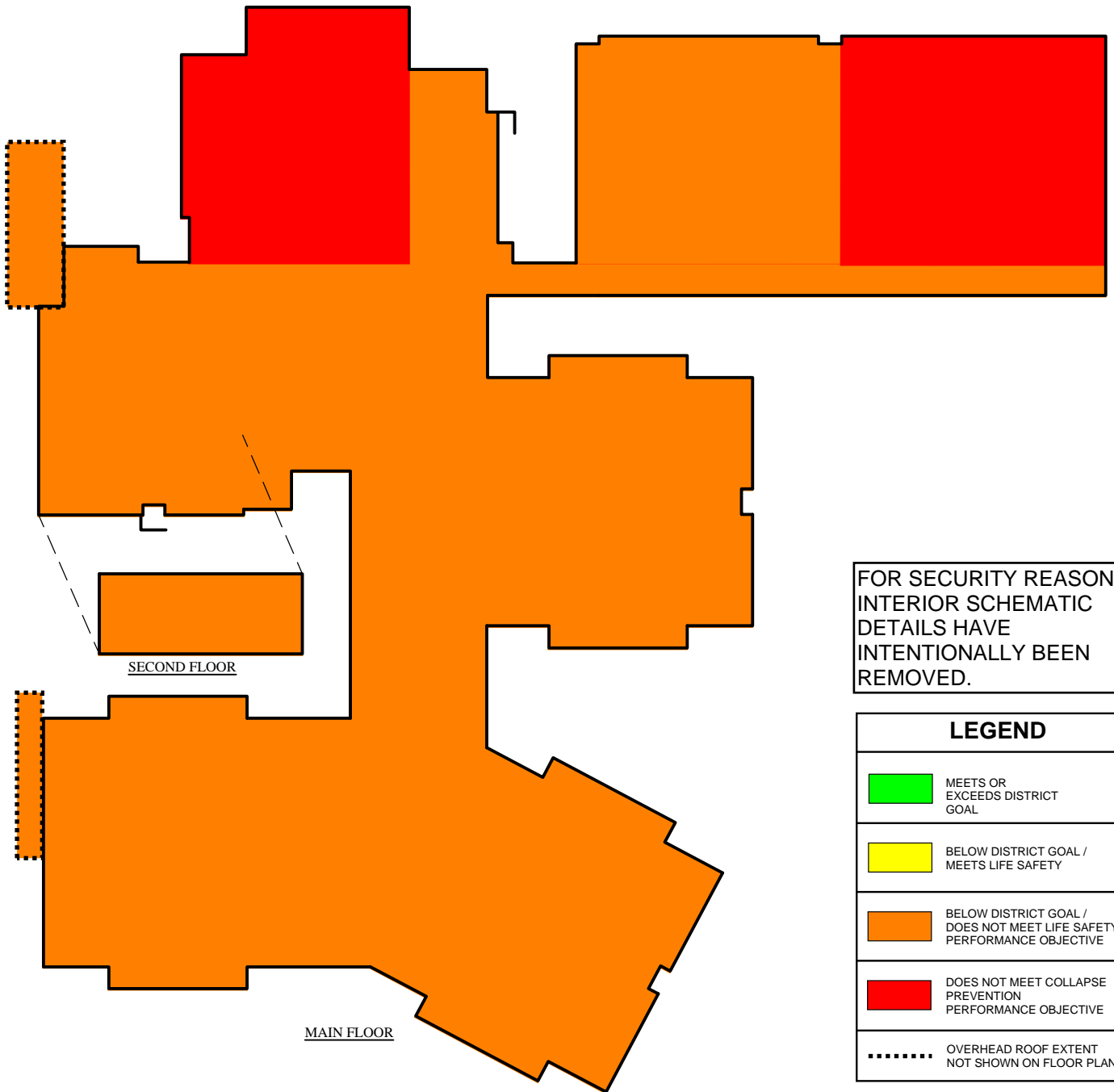









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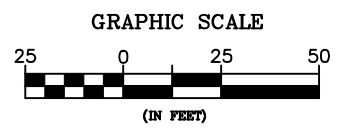
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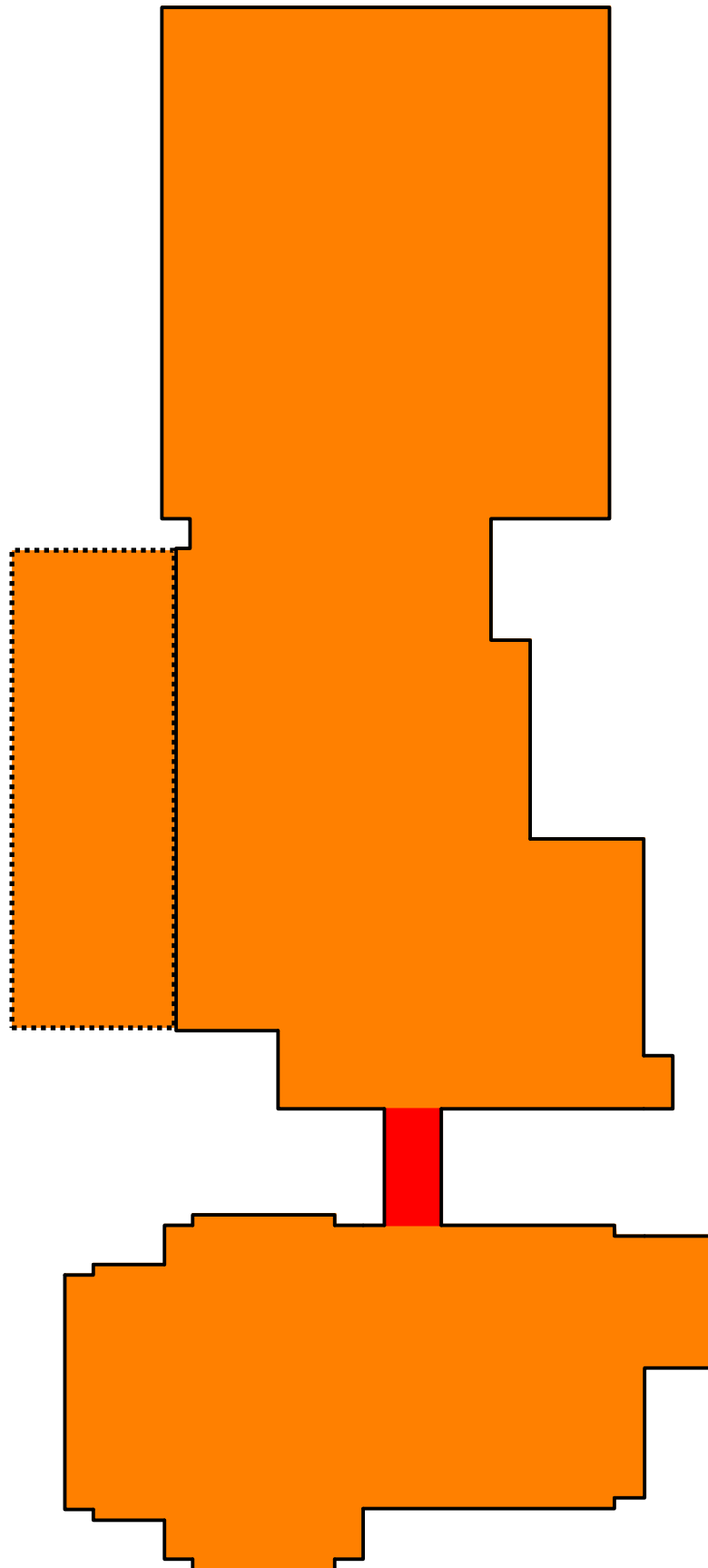









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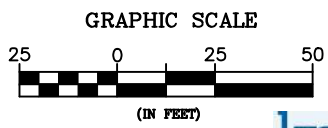
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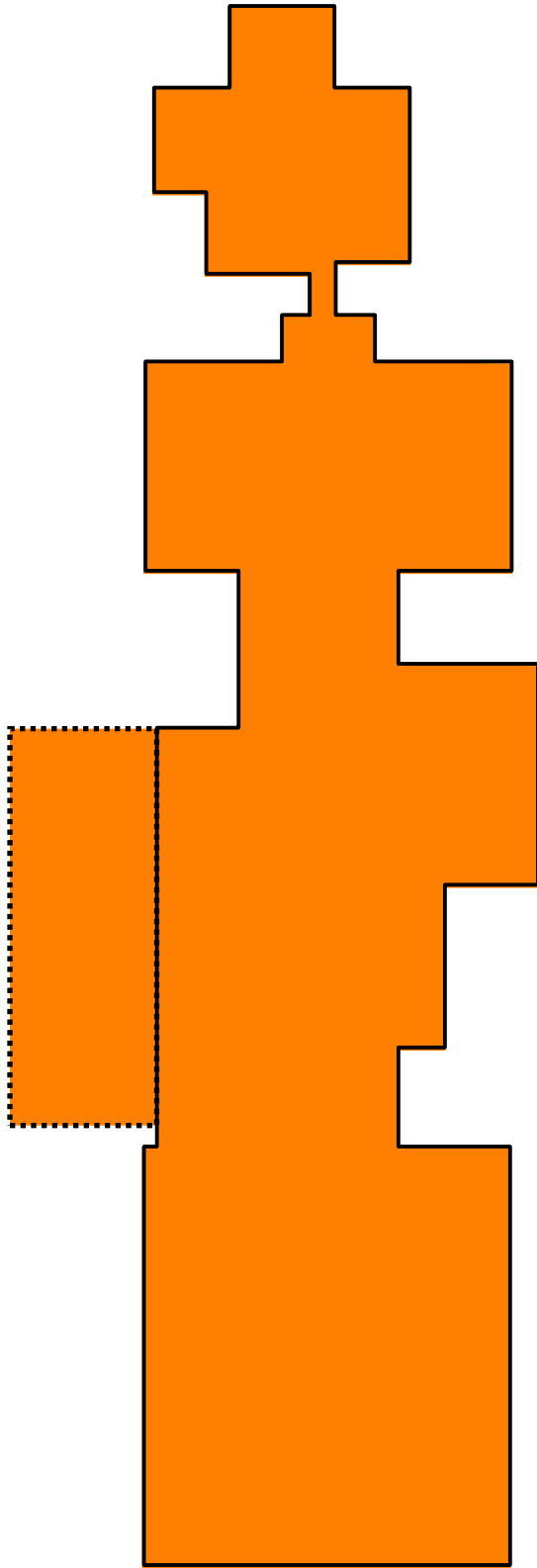









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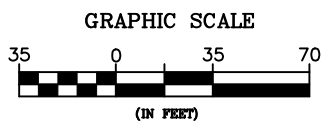
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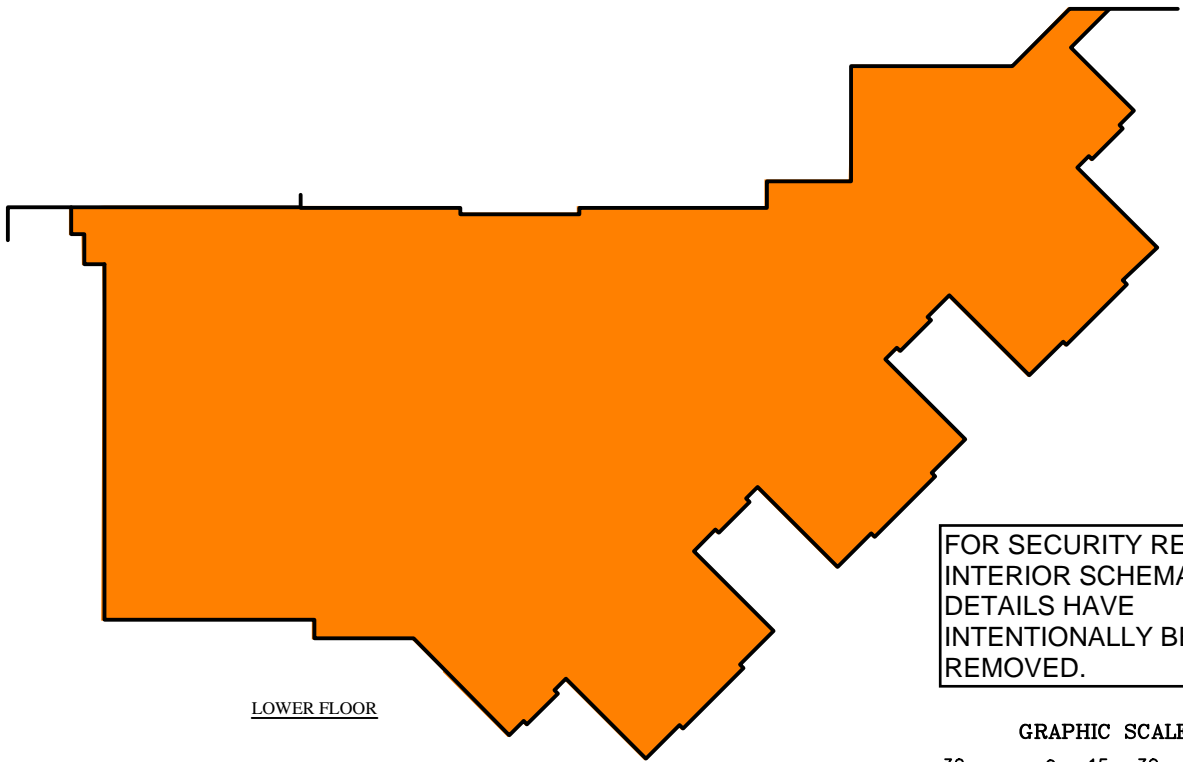
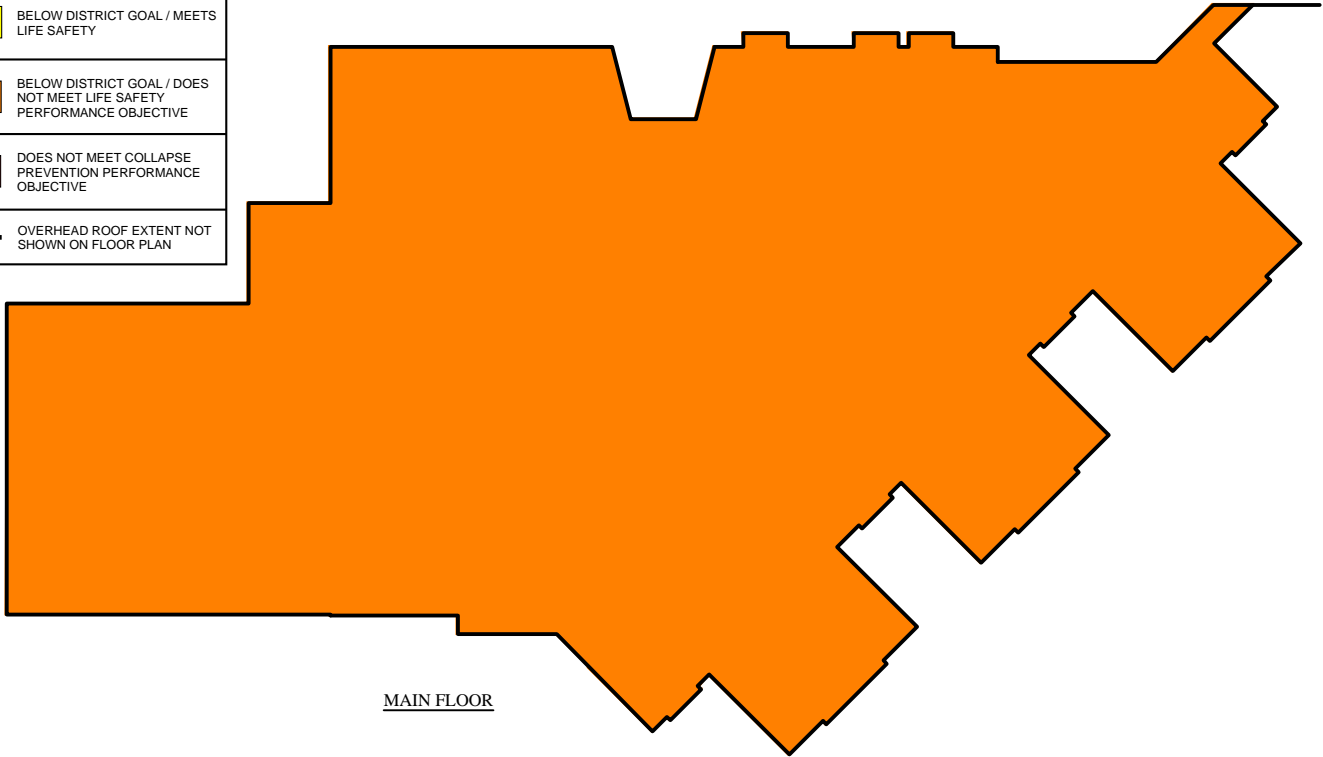
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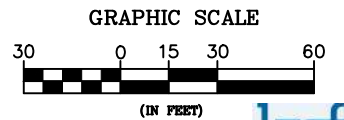


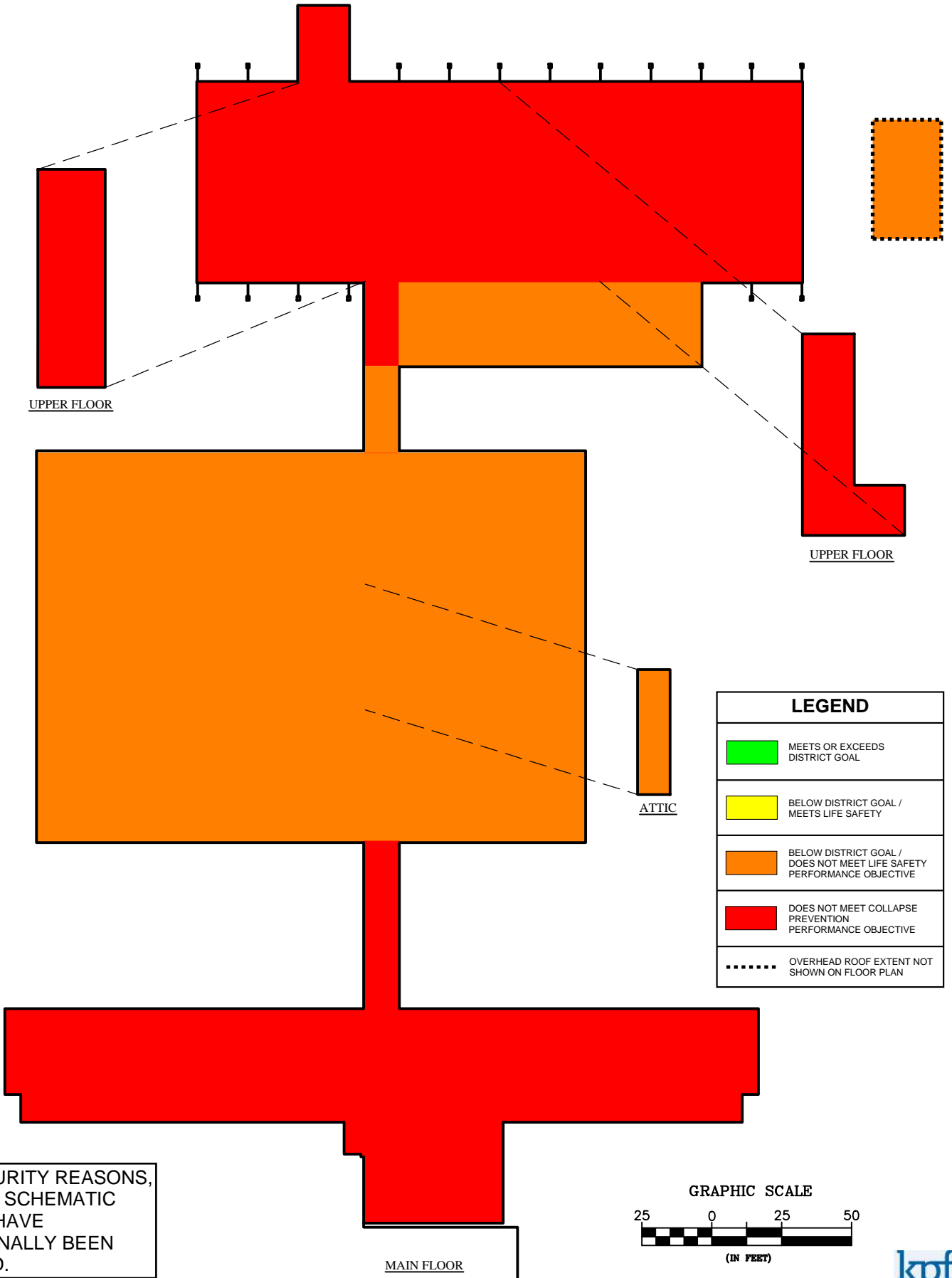
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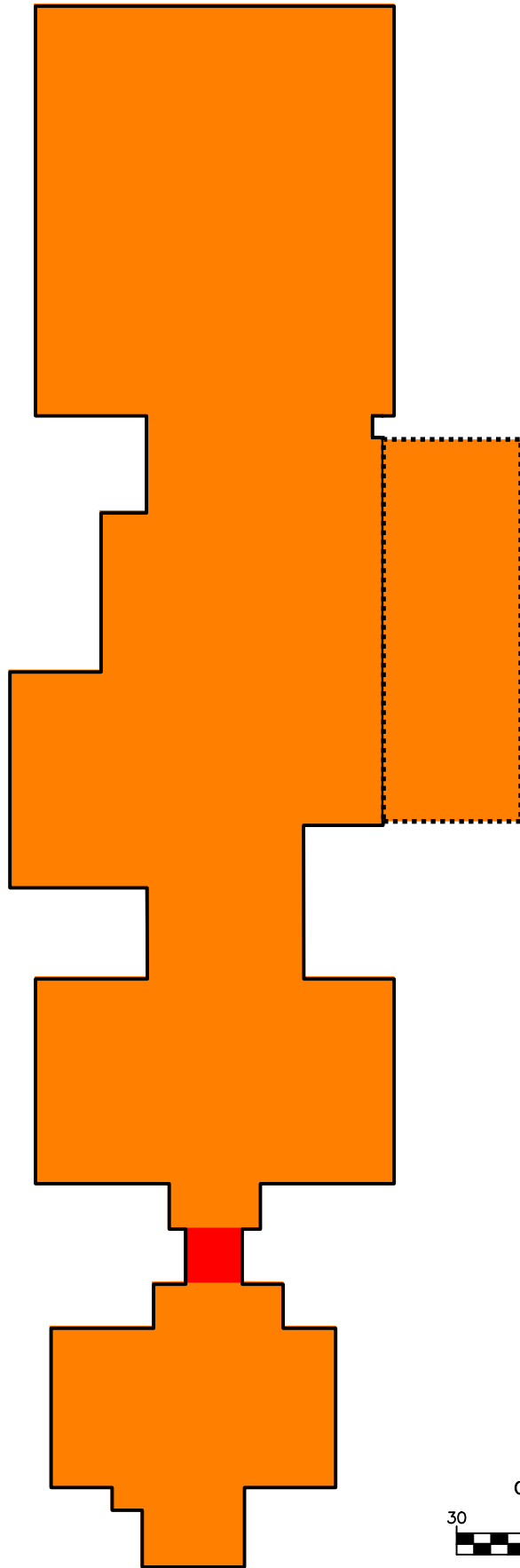
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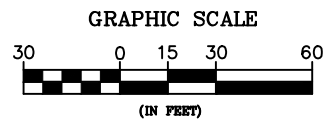
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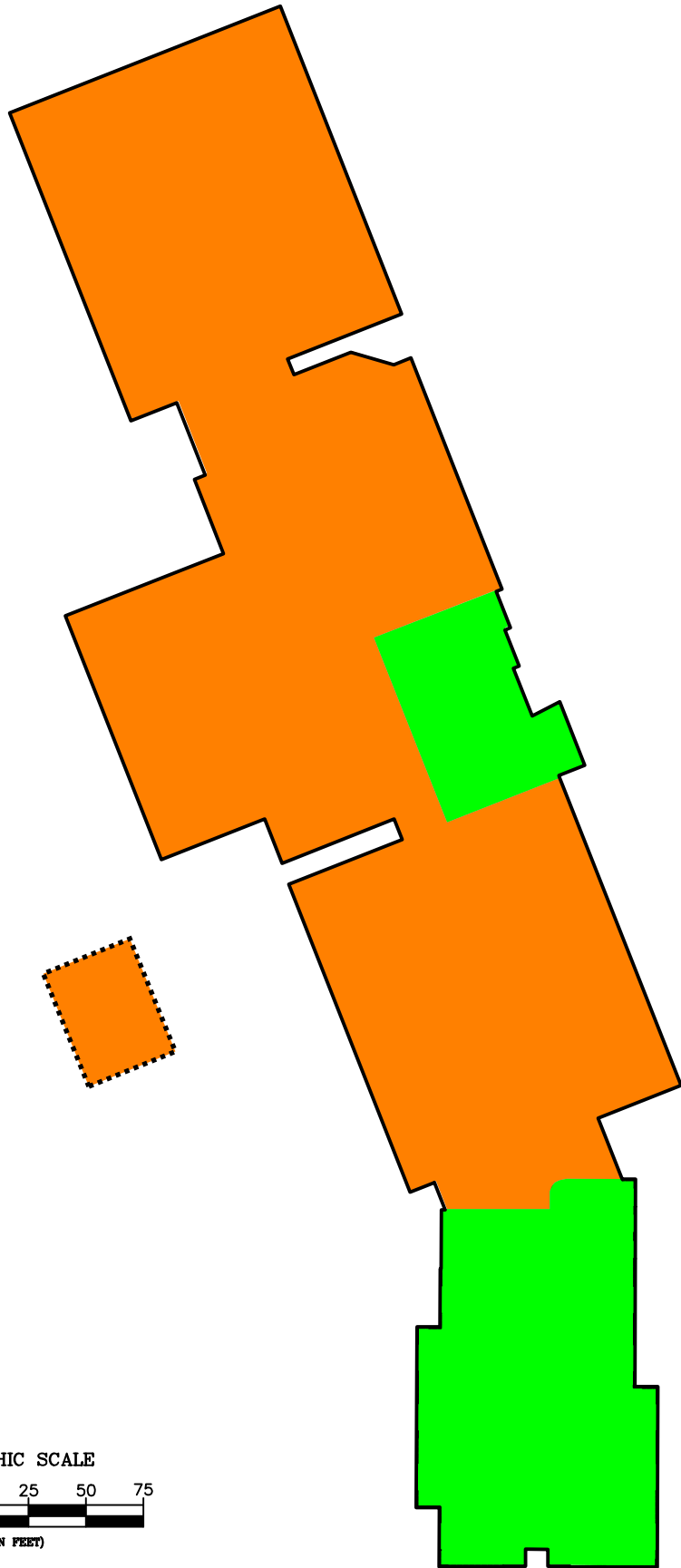




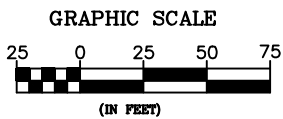
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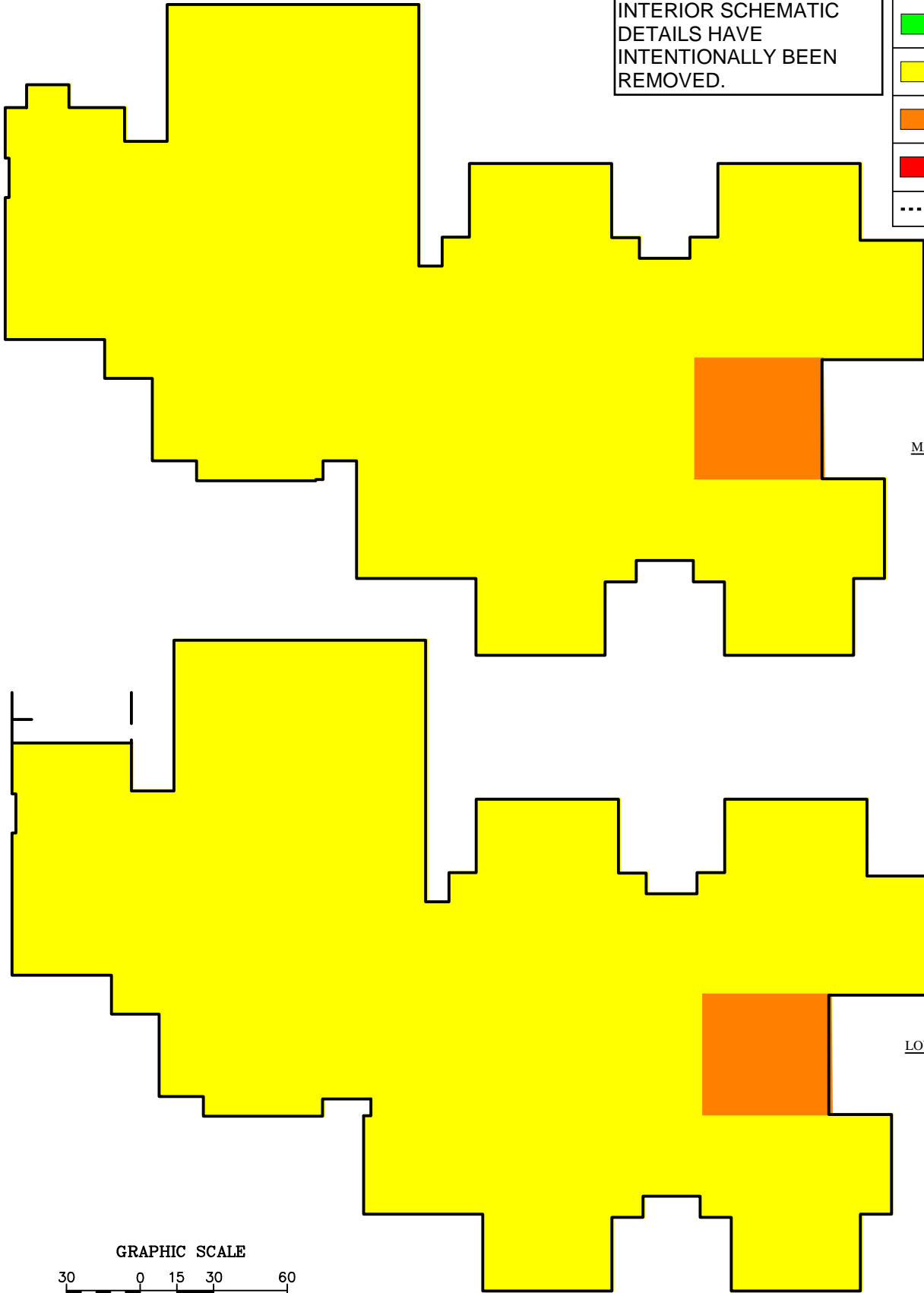


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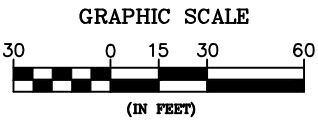
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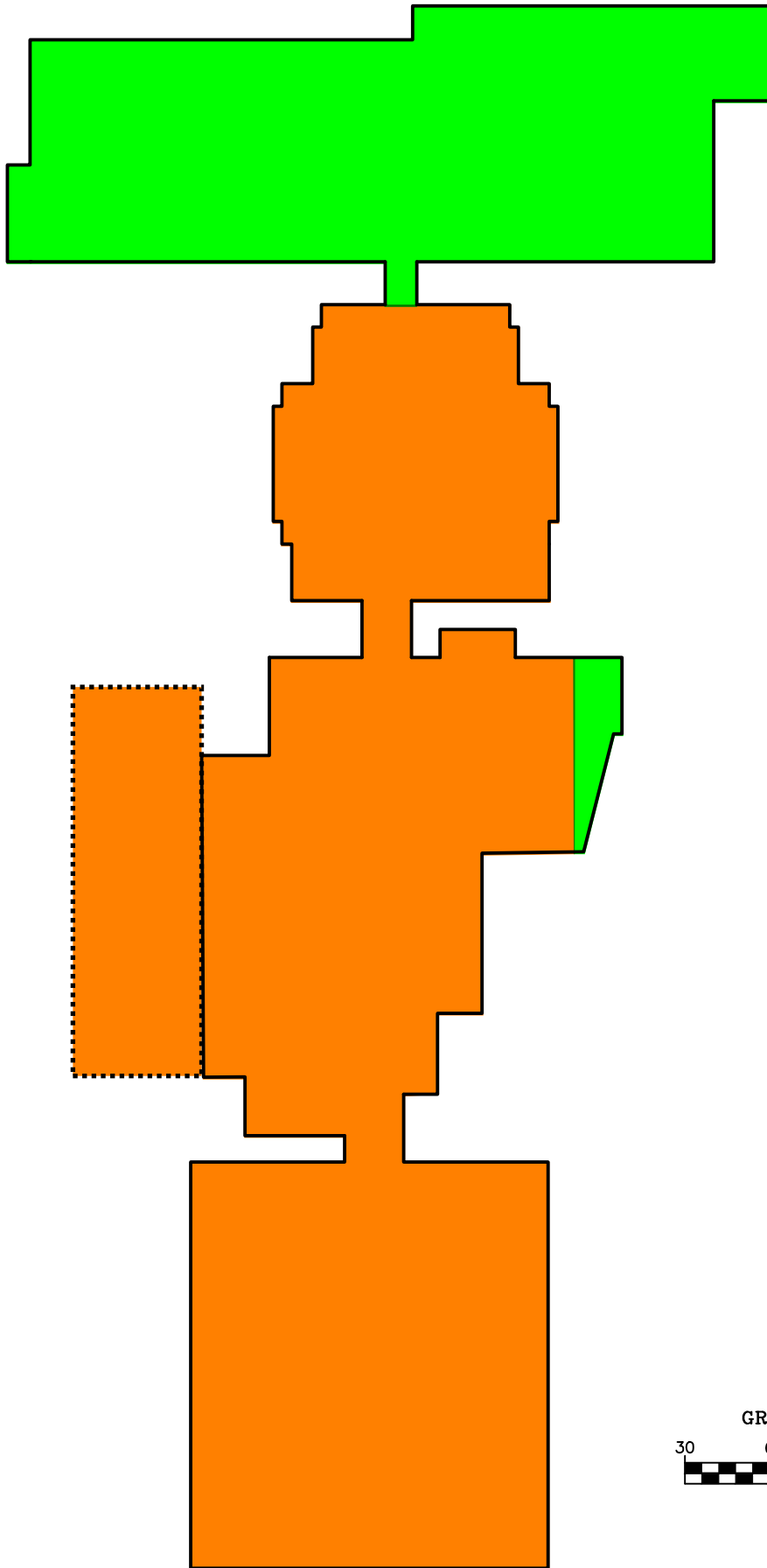
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MAIN FLOOR

LOWER FLOOR



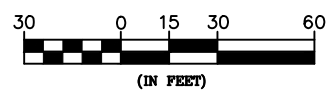


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GRAPHIC SCALE




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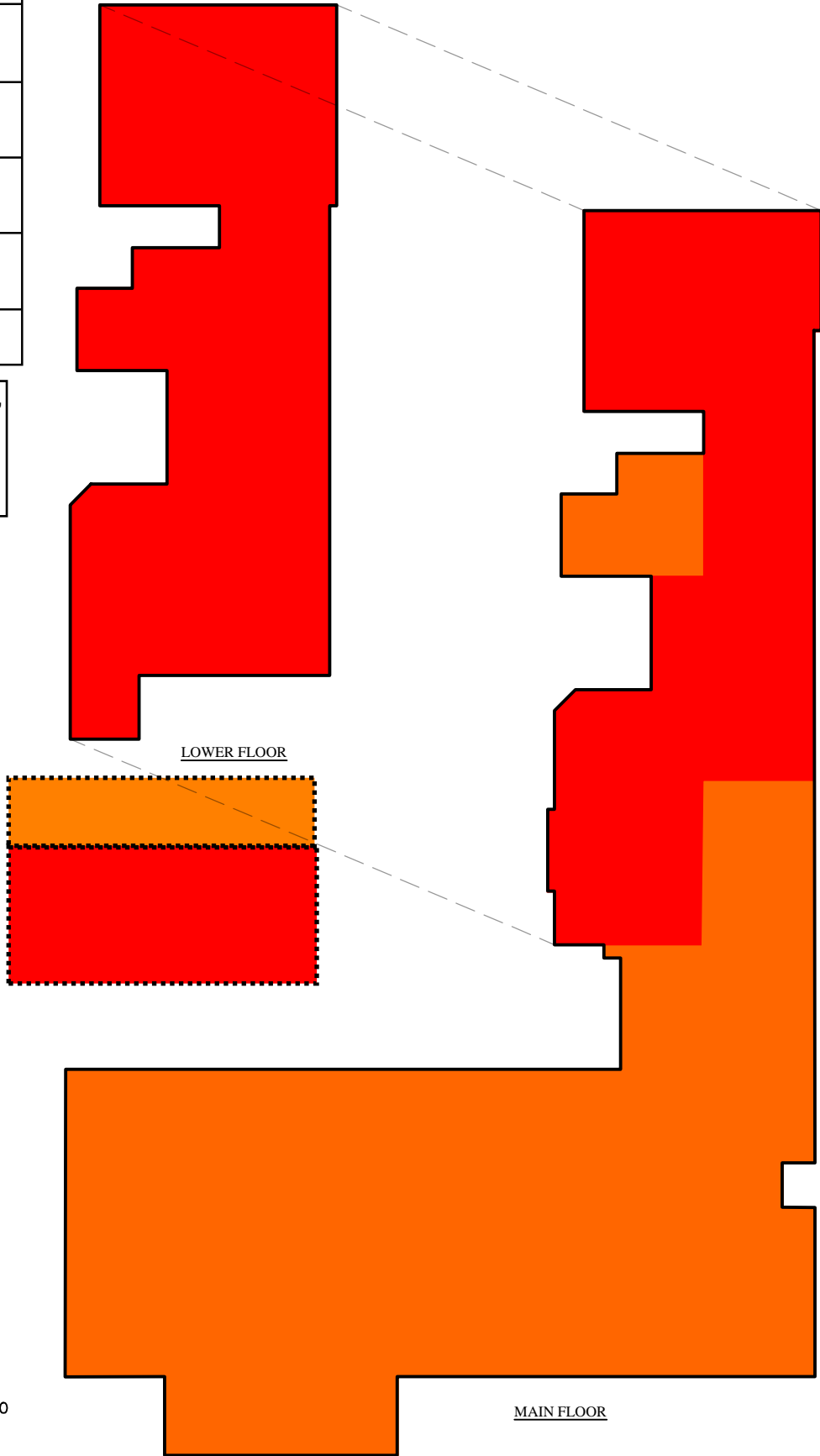
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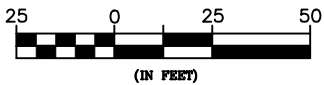
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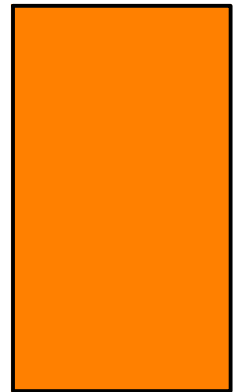
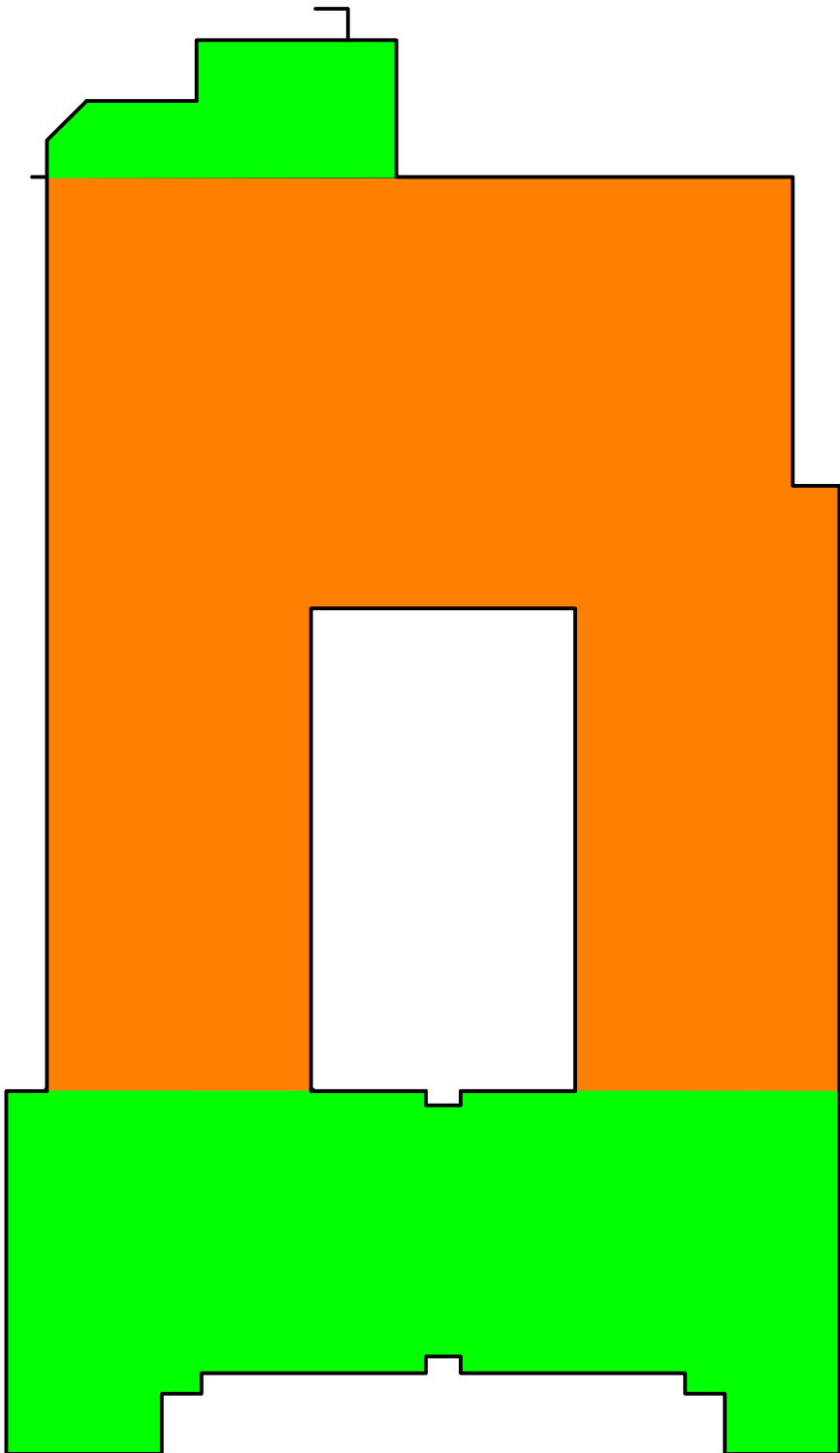
MAIN FLOOR






GRAPHIC SCALE

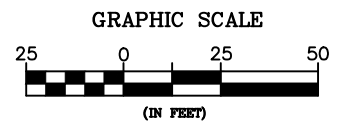


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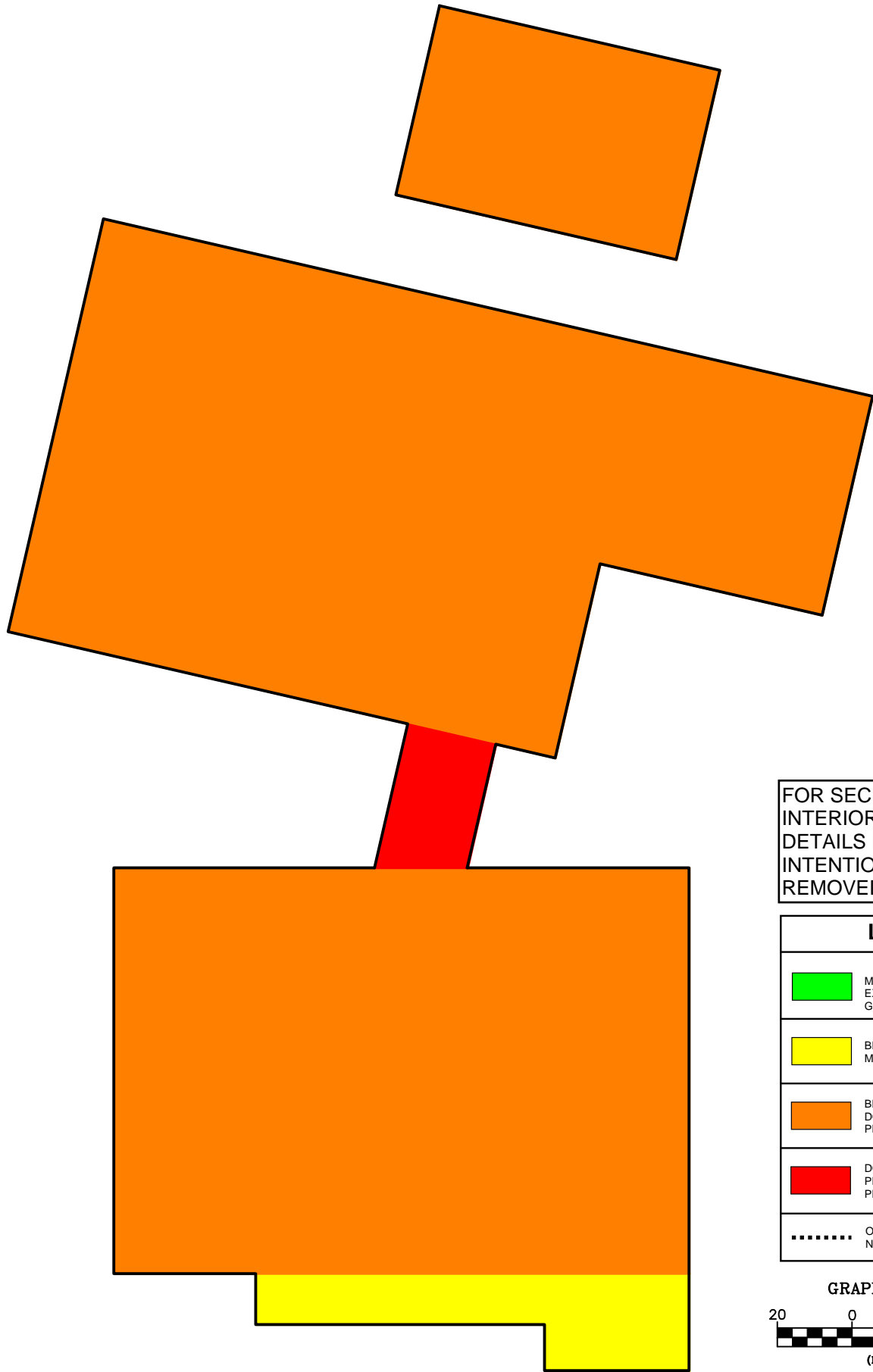


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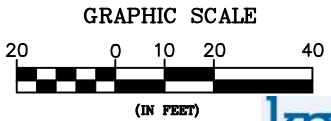
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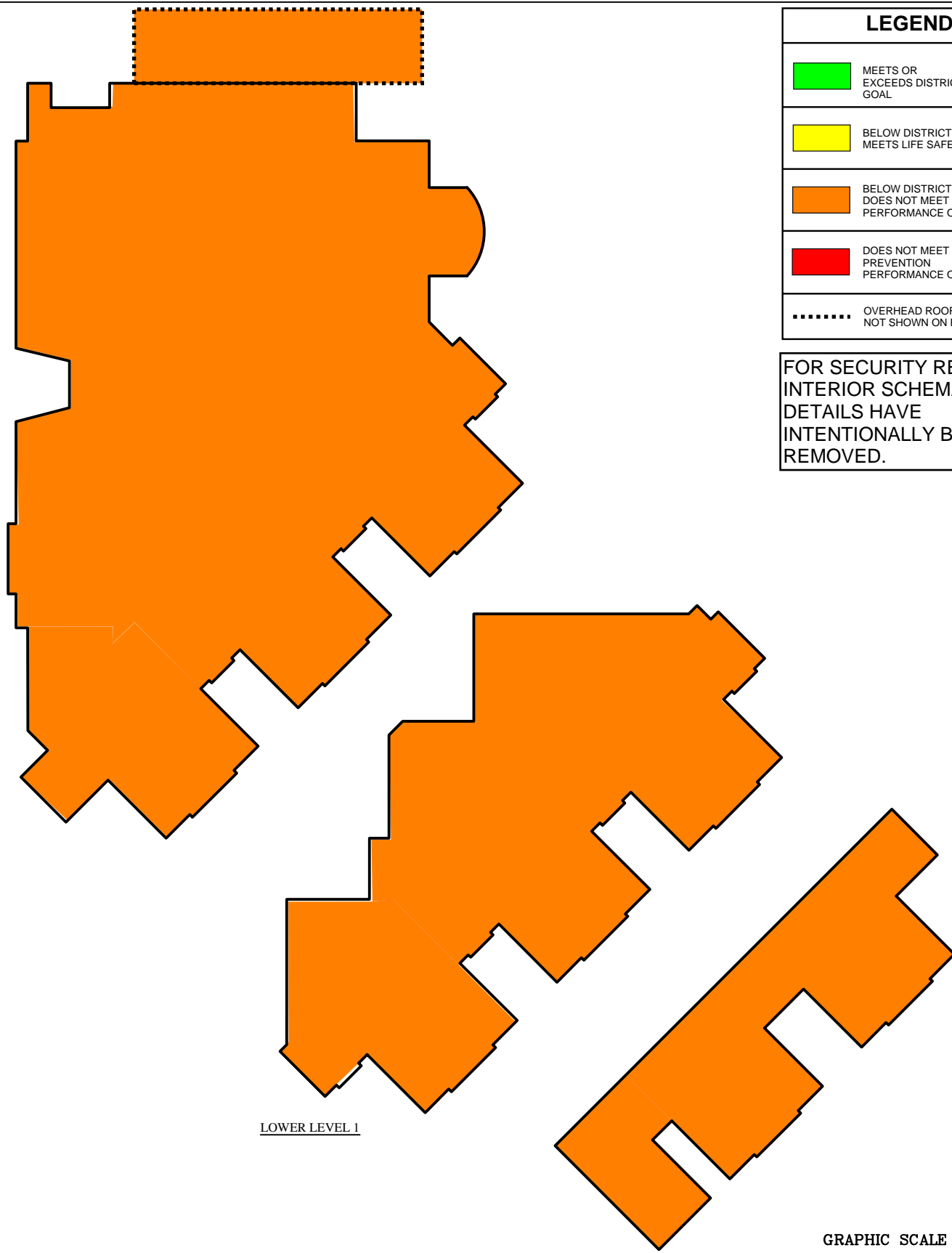
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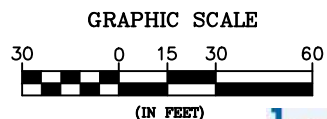
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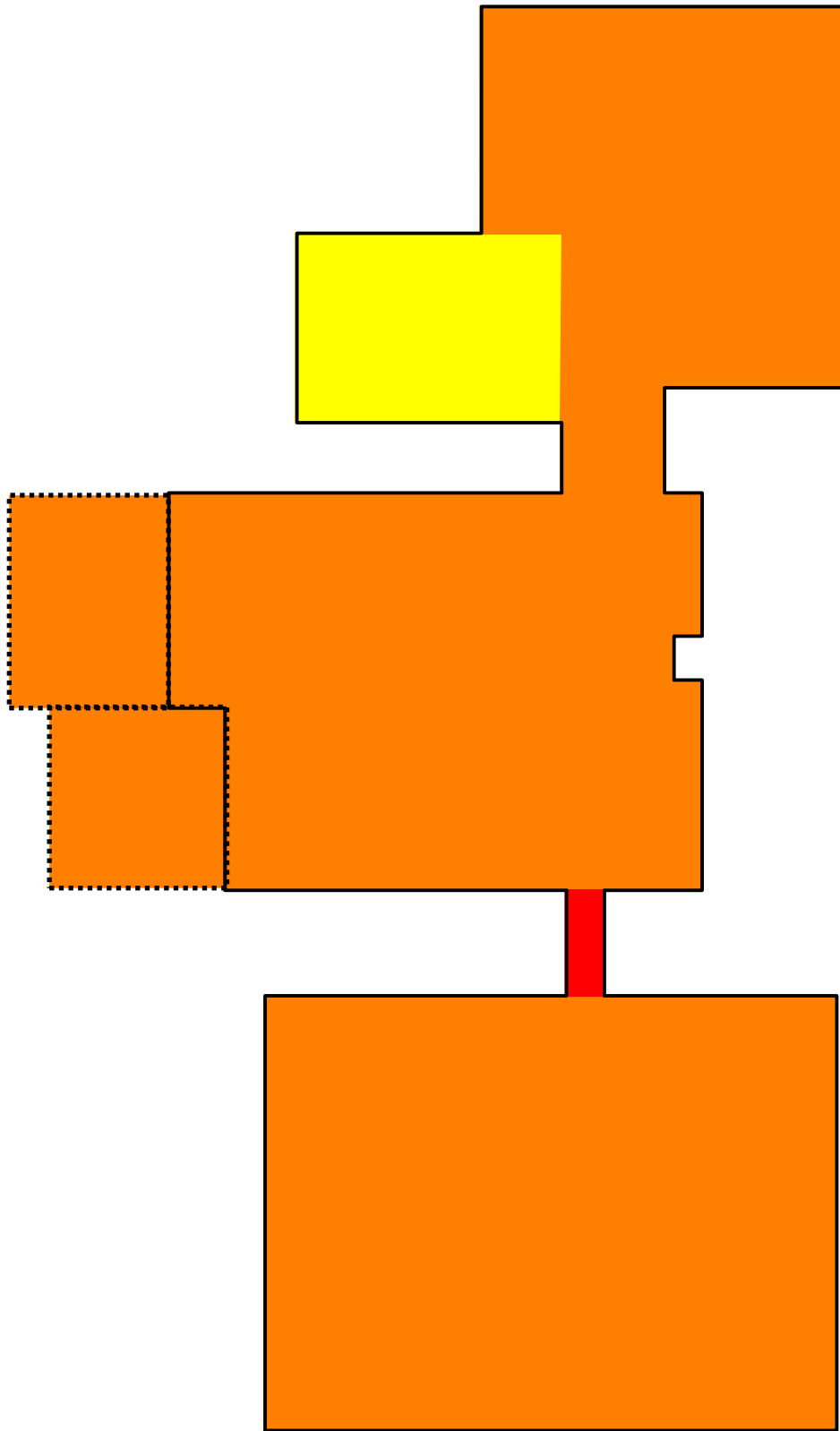
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LOWER LEVEL 1

LOWER LEVEL 2

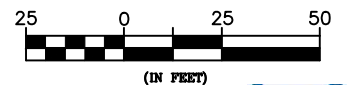




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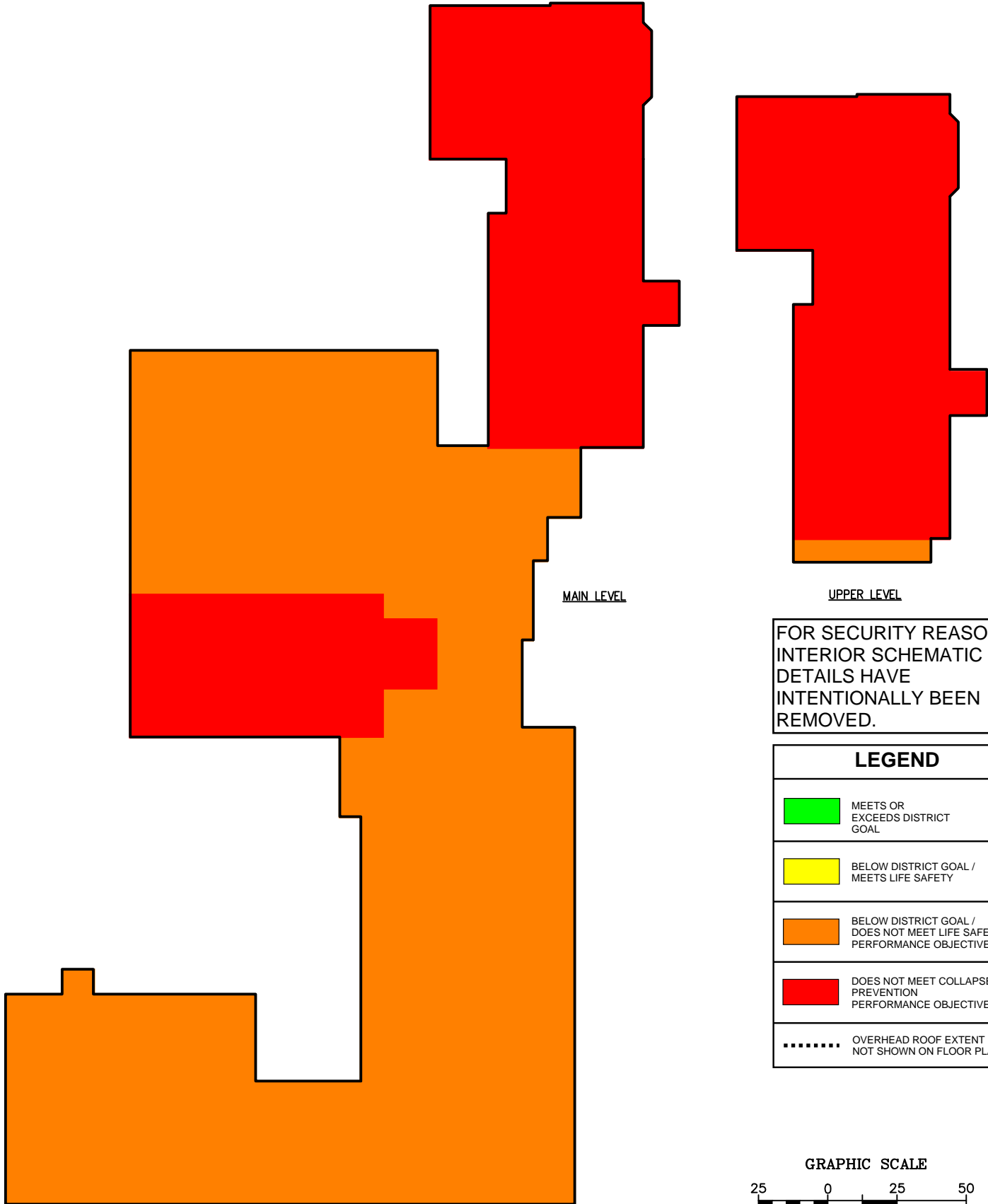
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GRAPHIC SCALE



(IN FEET)








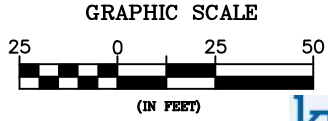


MAIN LEVEL


UPPER LEVEL


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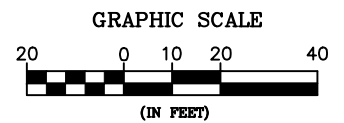
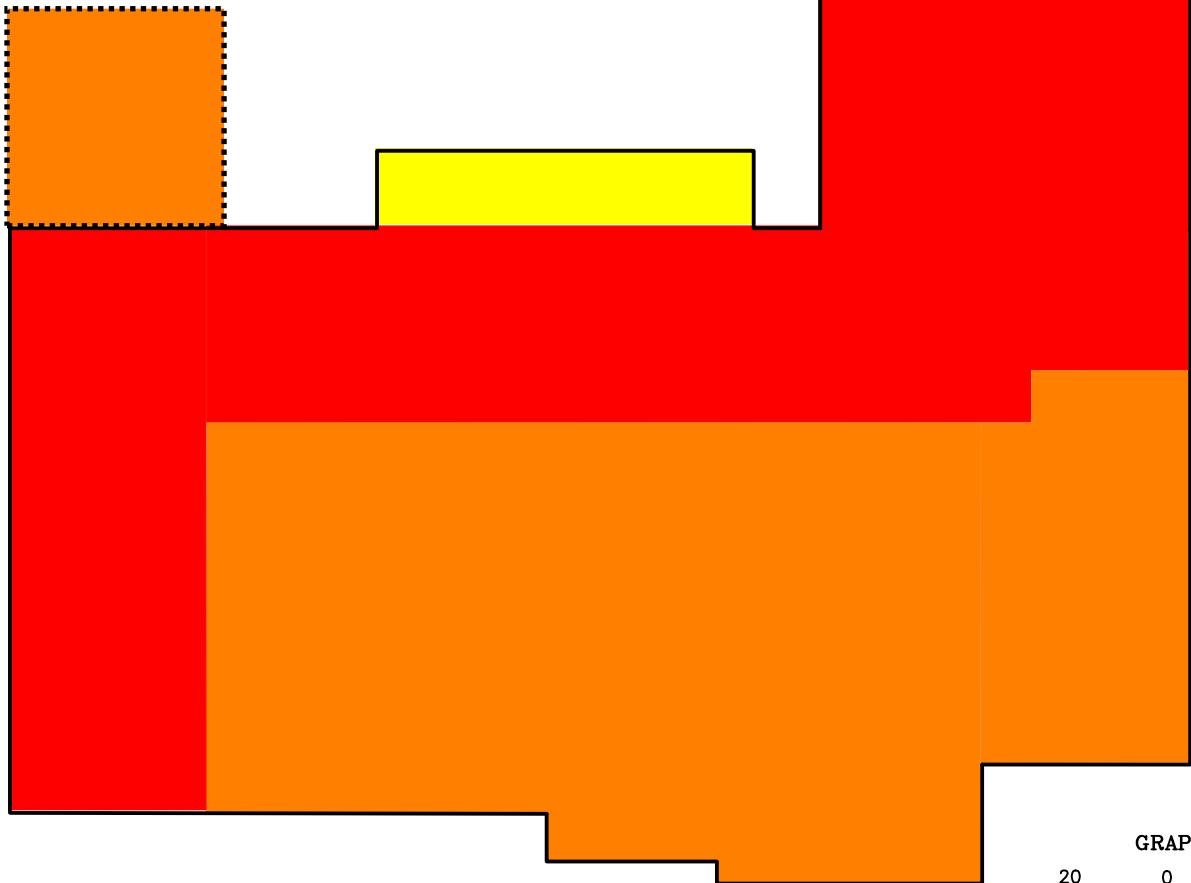
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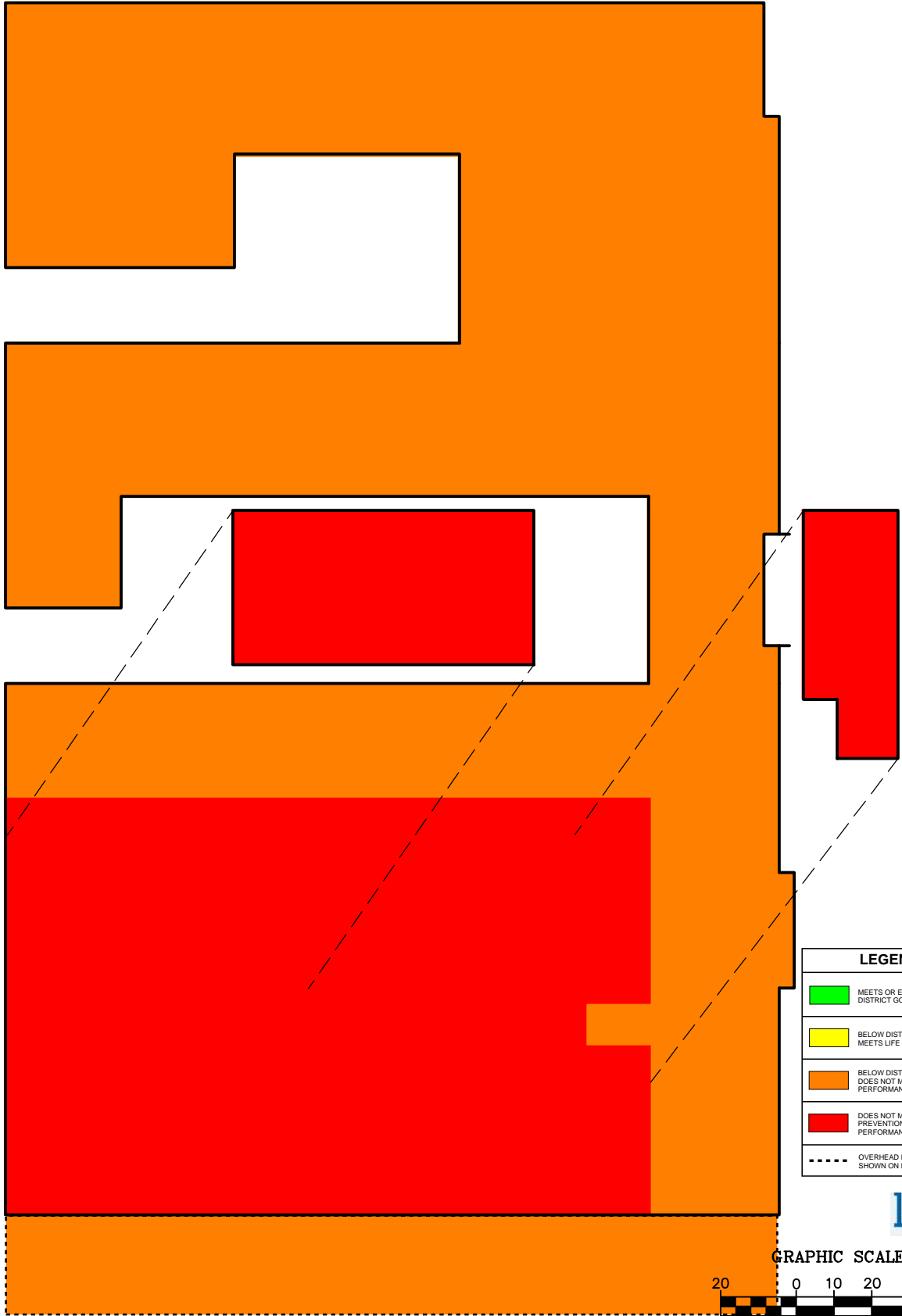
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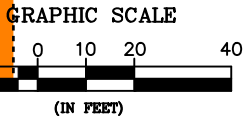
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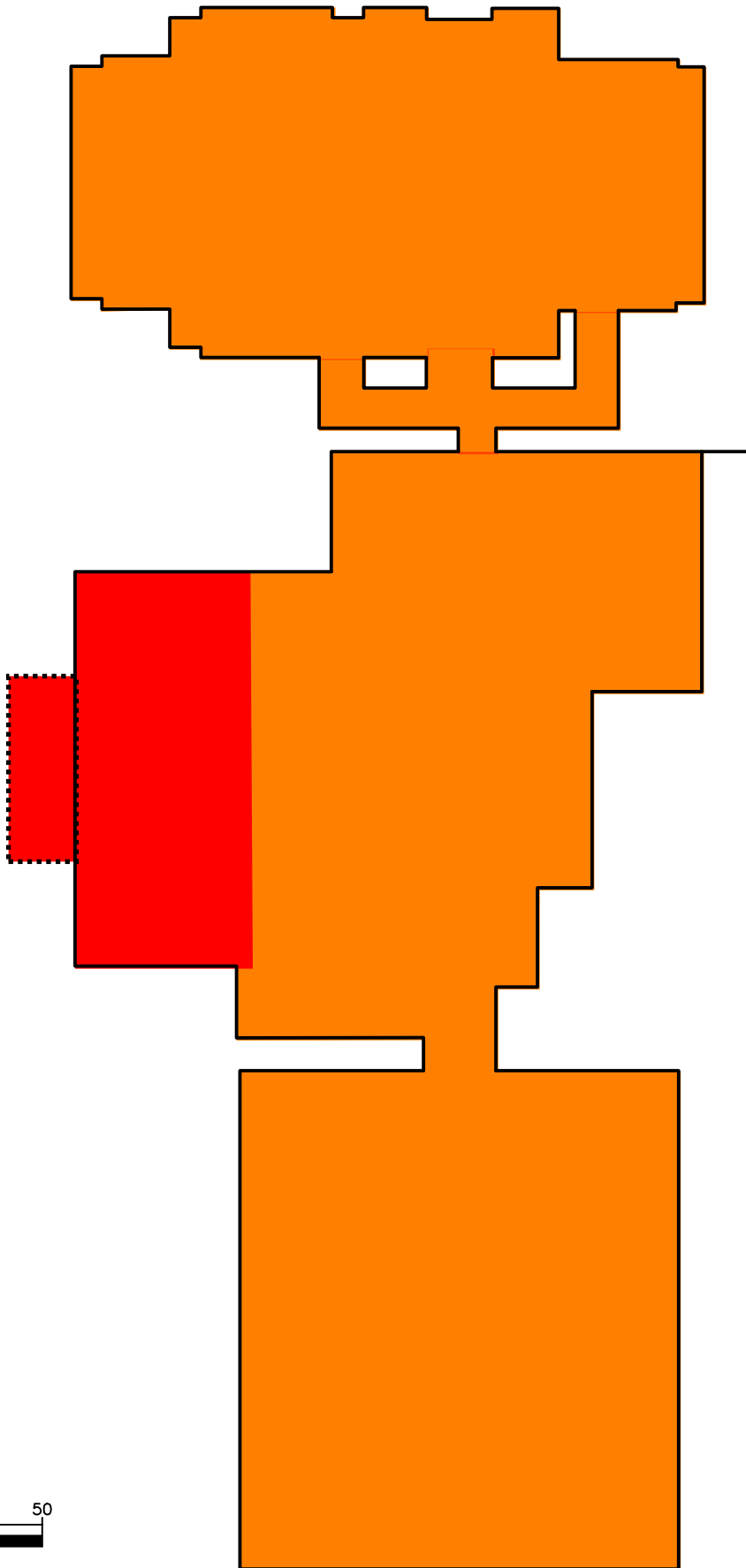









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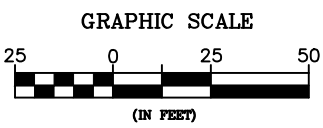
LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
	DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN





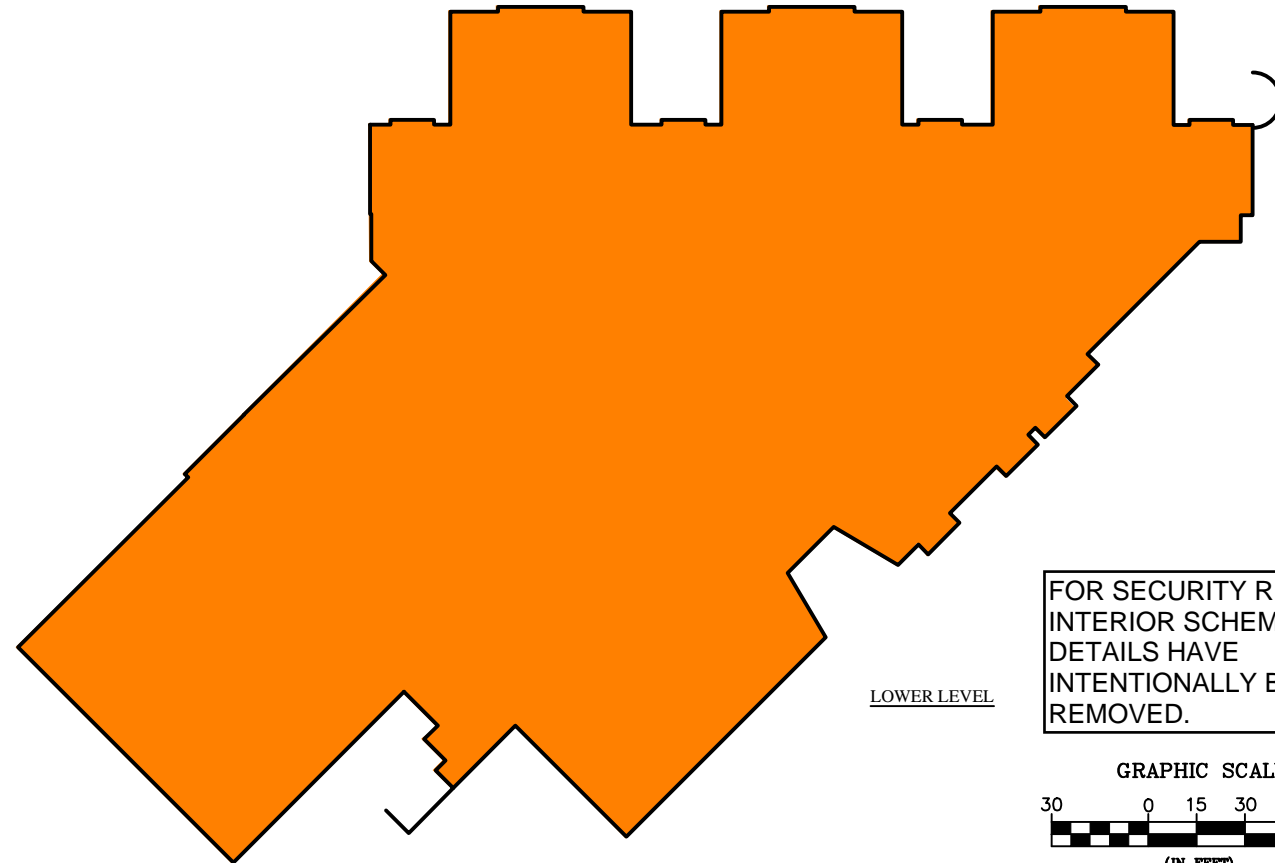
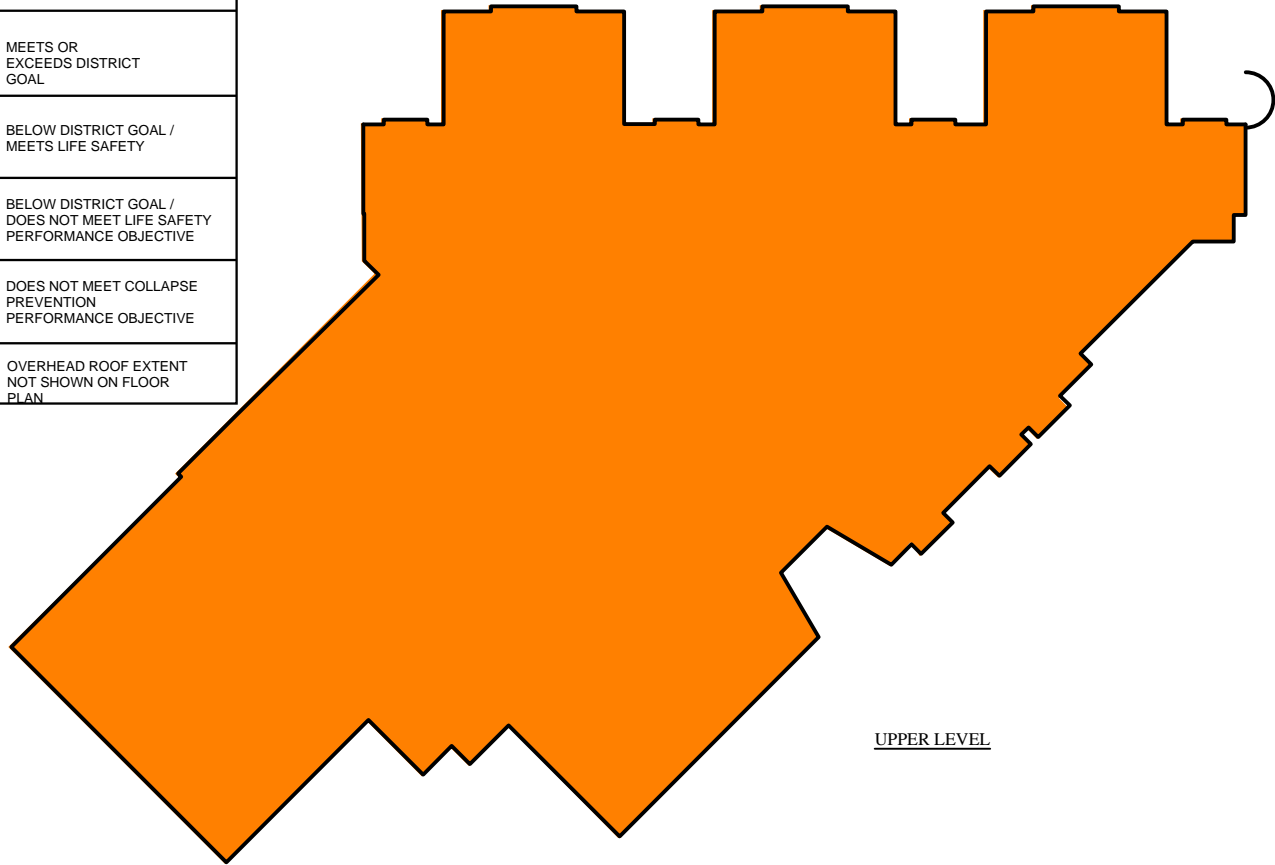
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LEGEND	
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	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

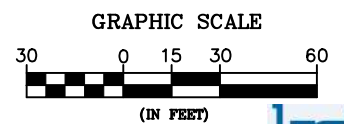


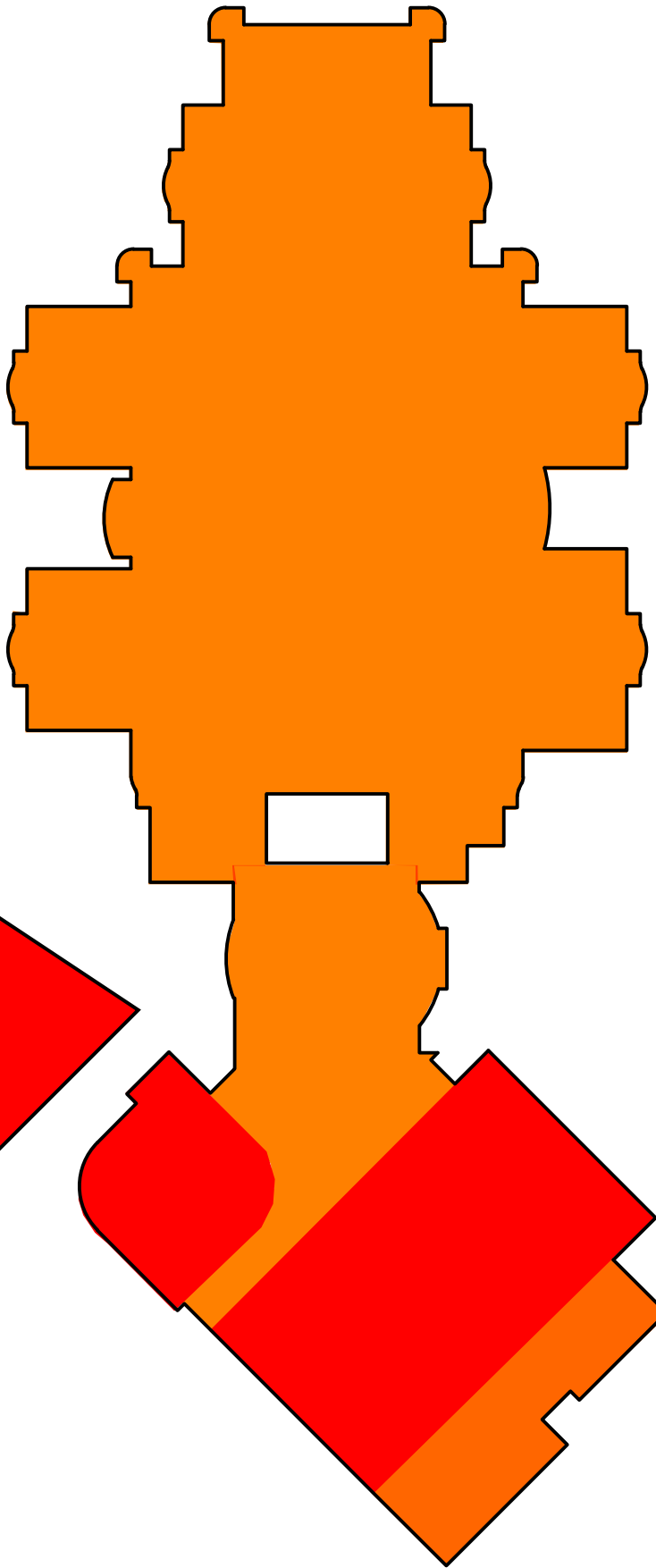
LEGEND

- MEETS OR EXCEEDS DISTRICT GOAL
- BELOW DISTRICT GOAL / MEETS LIFE SAFETY
- BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
- DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
- OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN



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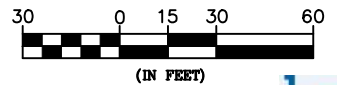


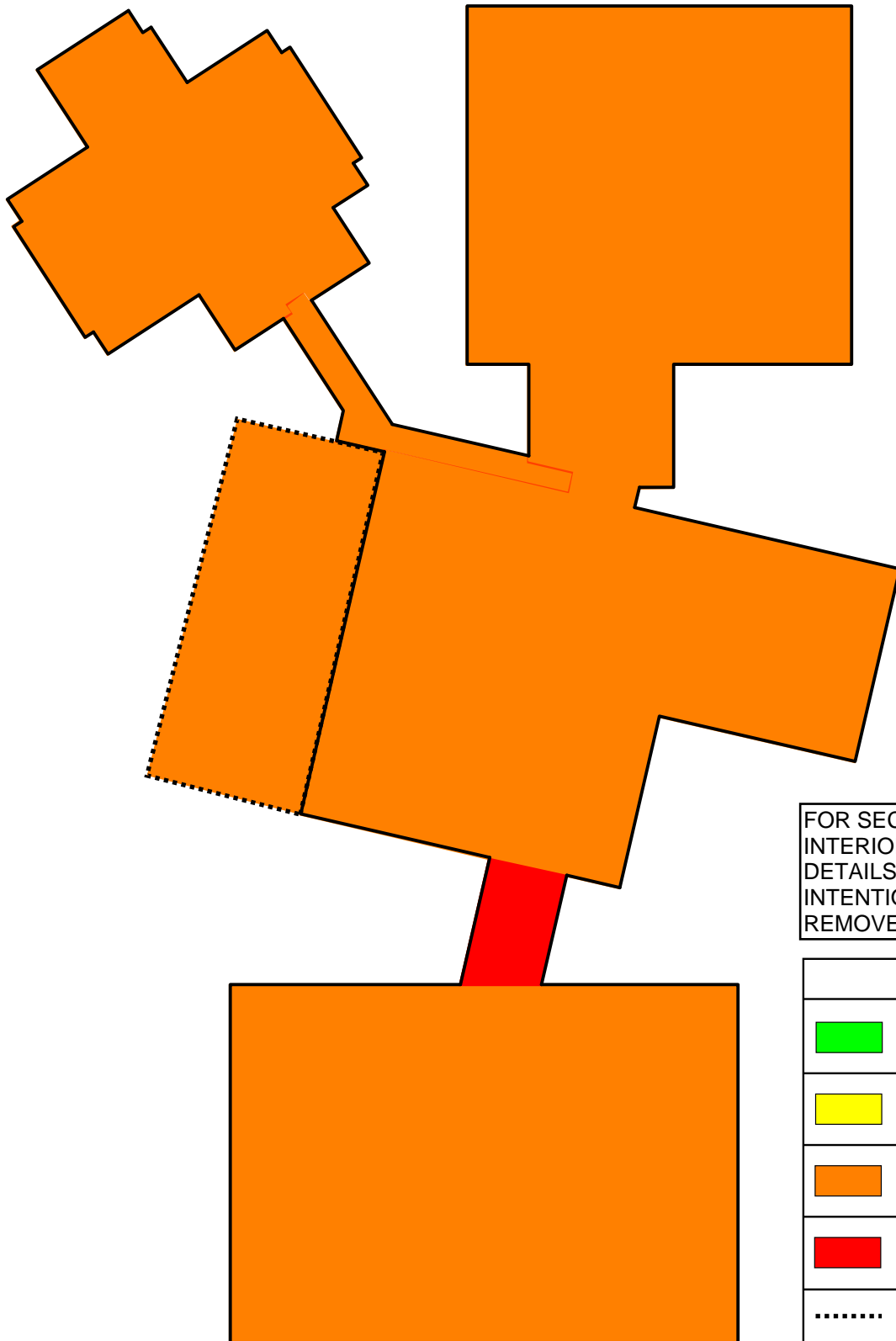
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LEGEND






- MEETS OR EXCEEDS DISTRICT GOAL
- BELOW DISTRICT GOAL / MEETS LIFE SAFETY
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- OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

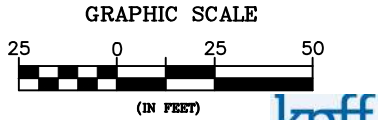
GRAPHIC SCALE





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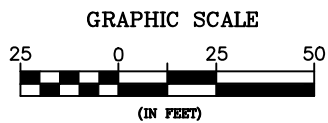
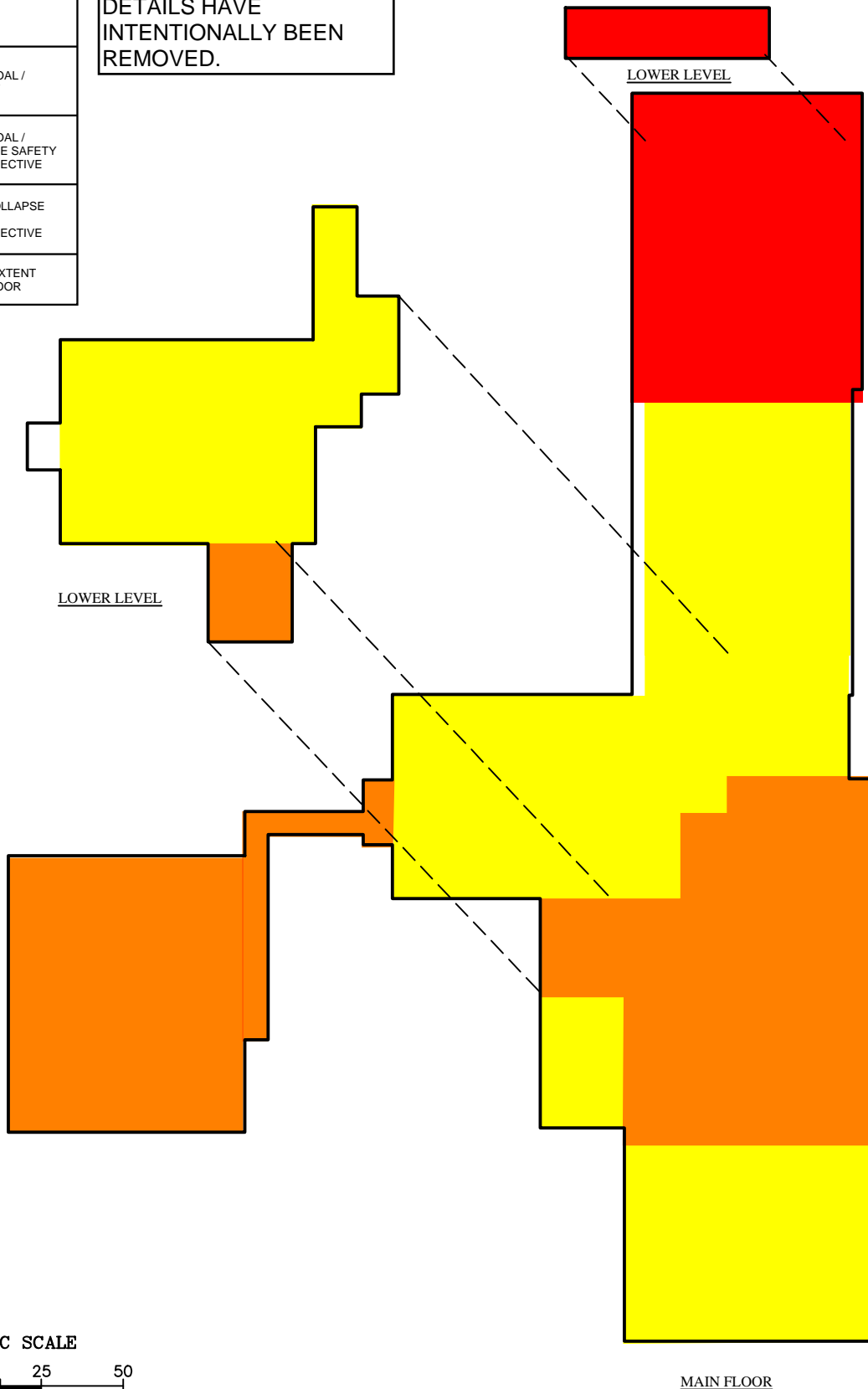
LEGEND	
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	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

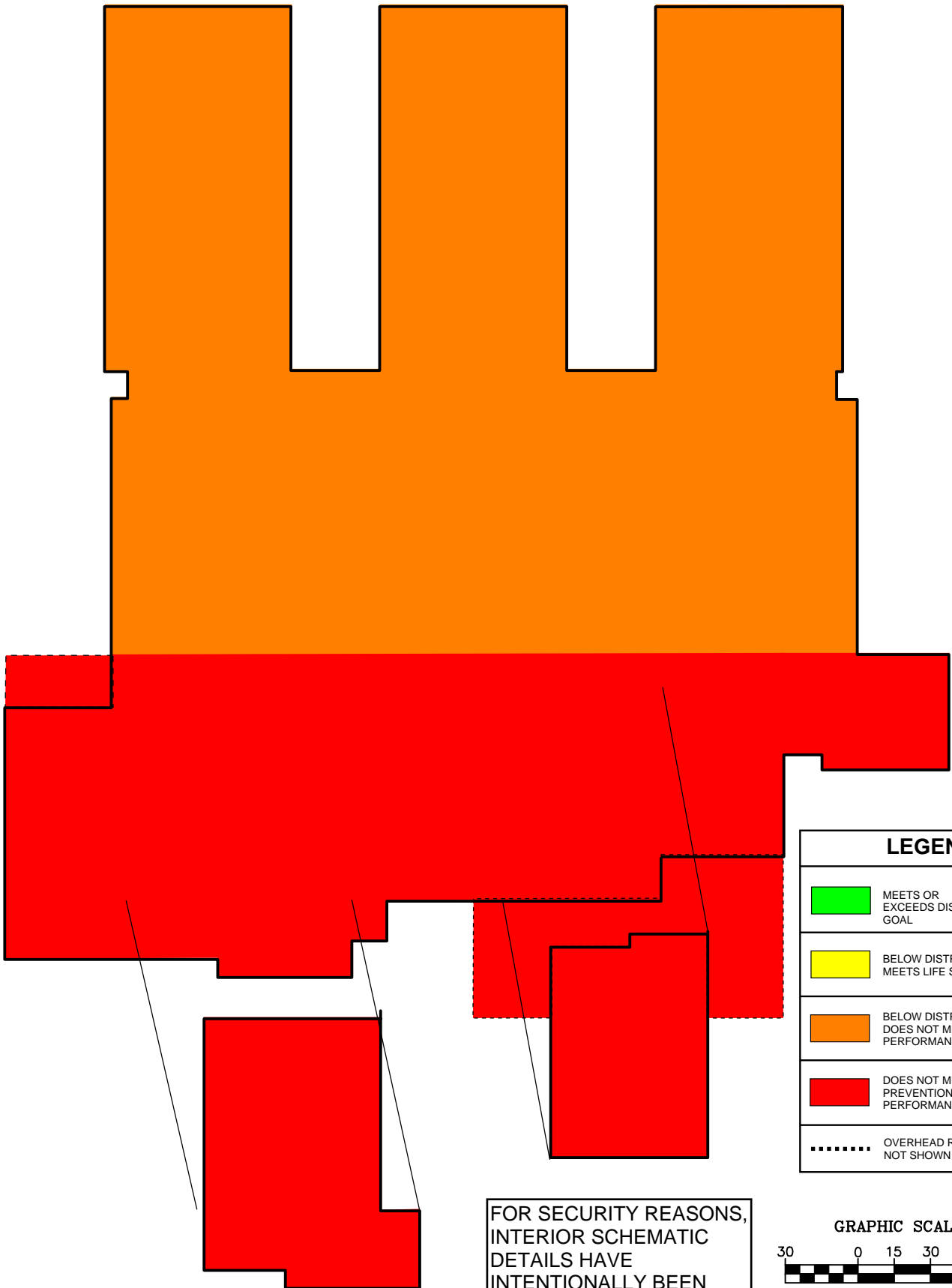







LEGEND

- MEETS OR EXCEEDS DISTRICT GOAL
- BELOW DISTRICT GOAL / MEETS LIFE SAFETY
- BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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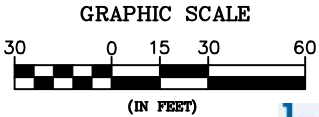
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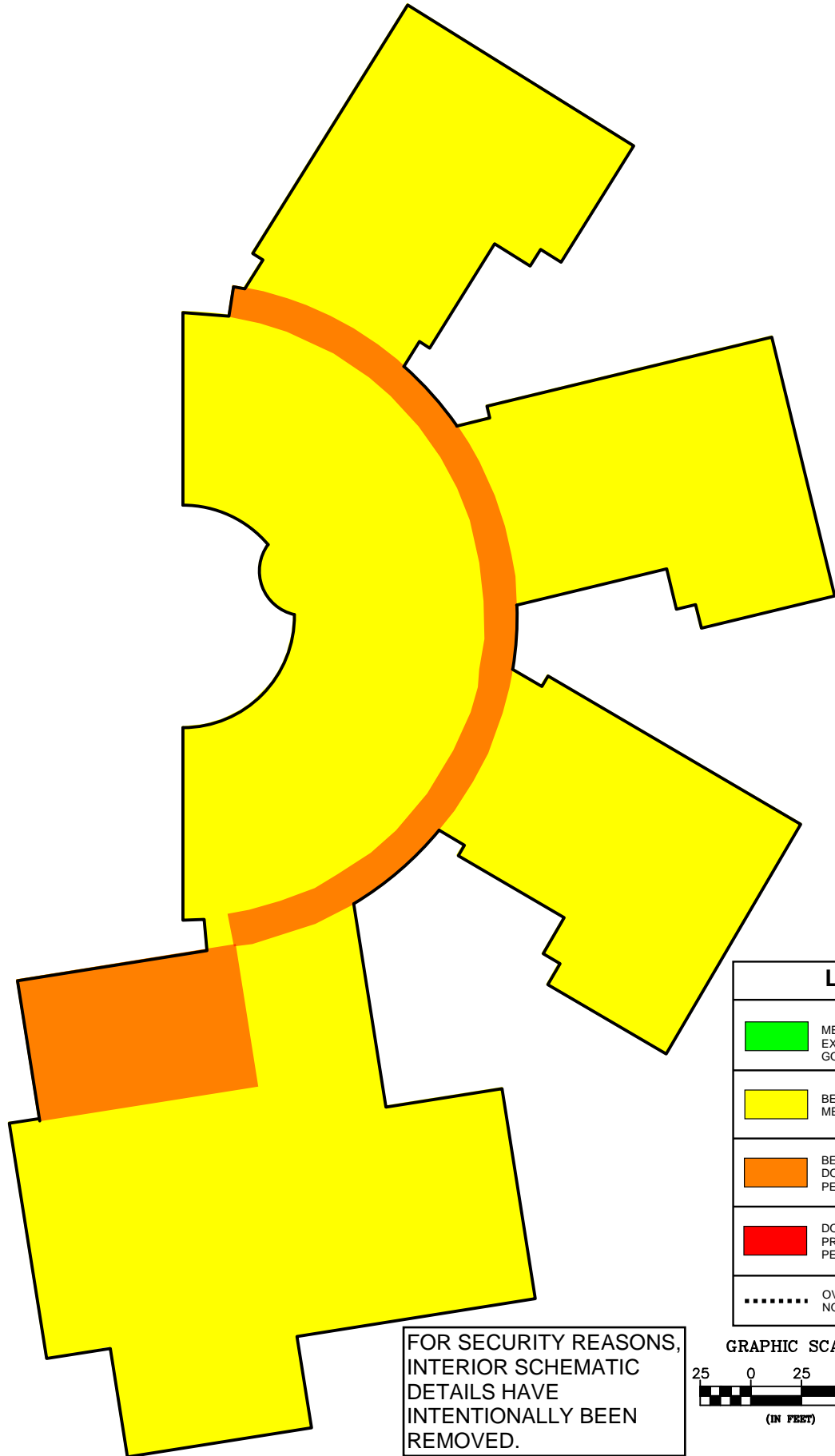









LEGEND	
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	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

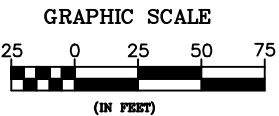
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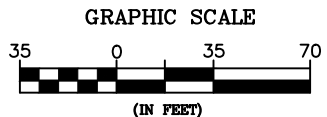
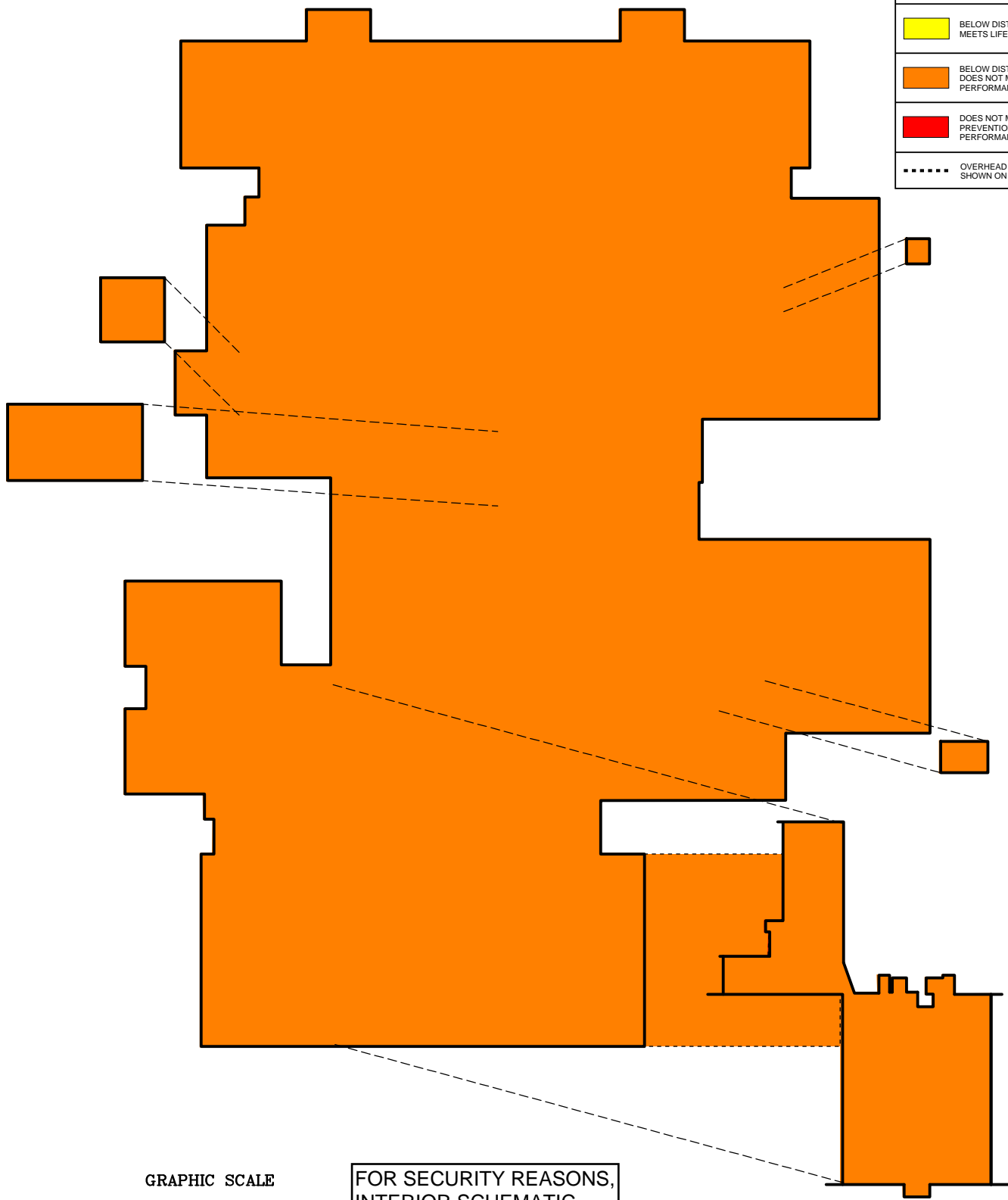
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	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.



LEGEND

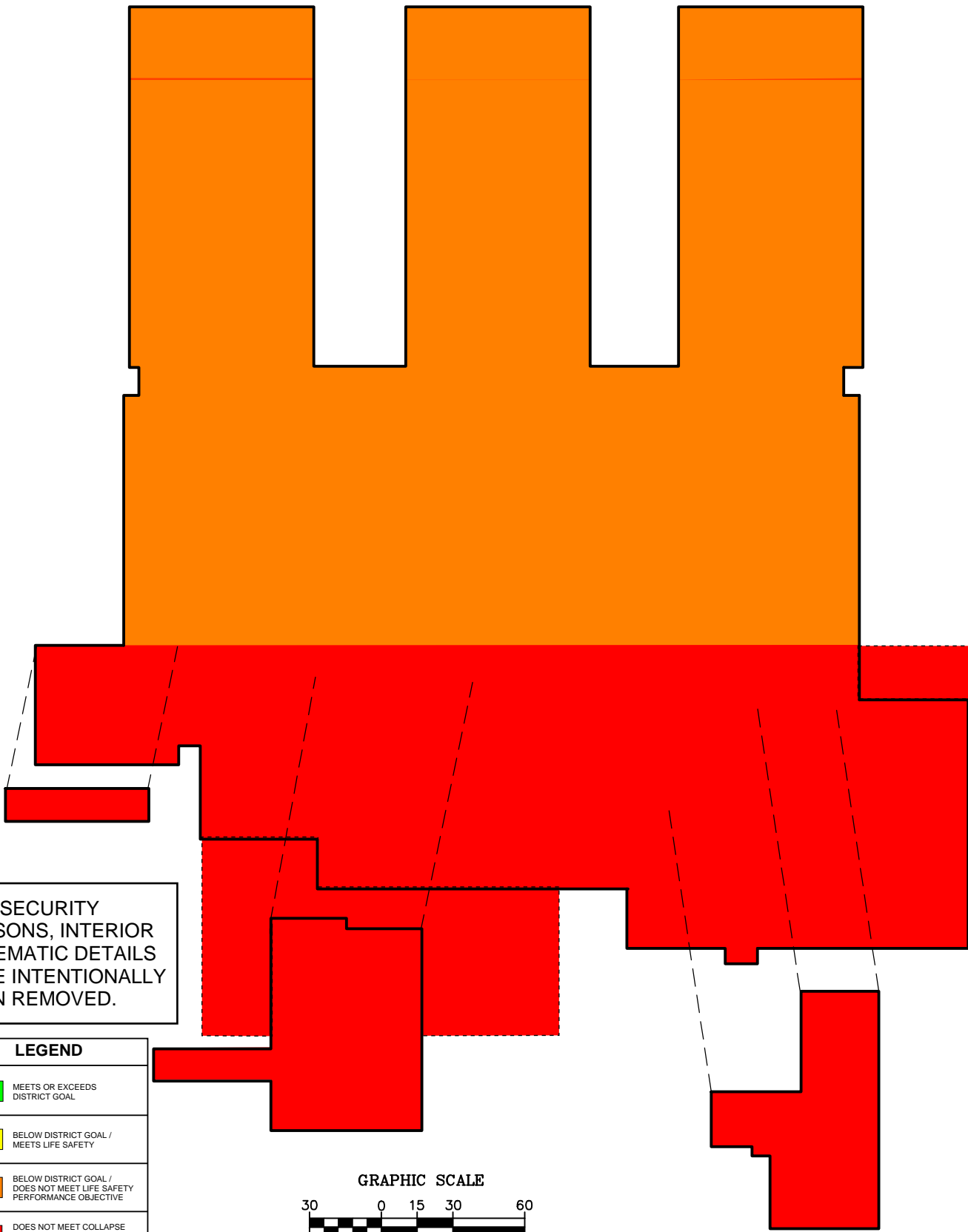
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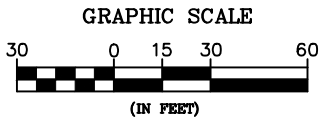
UPPER FLOOR

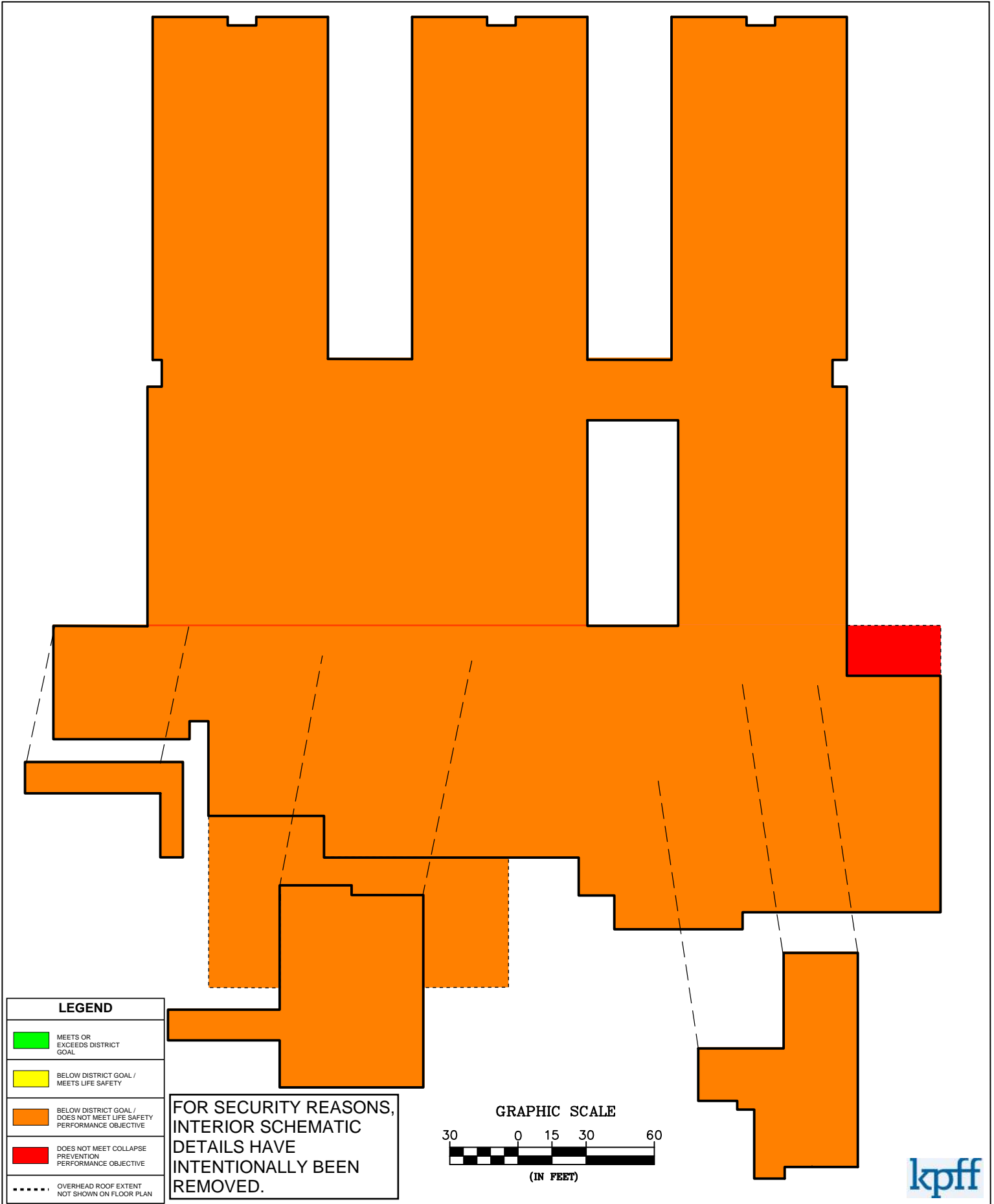









FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.

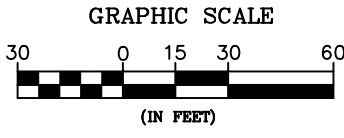
LEGEND	
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN










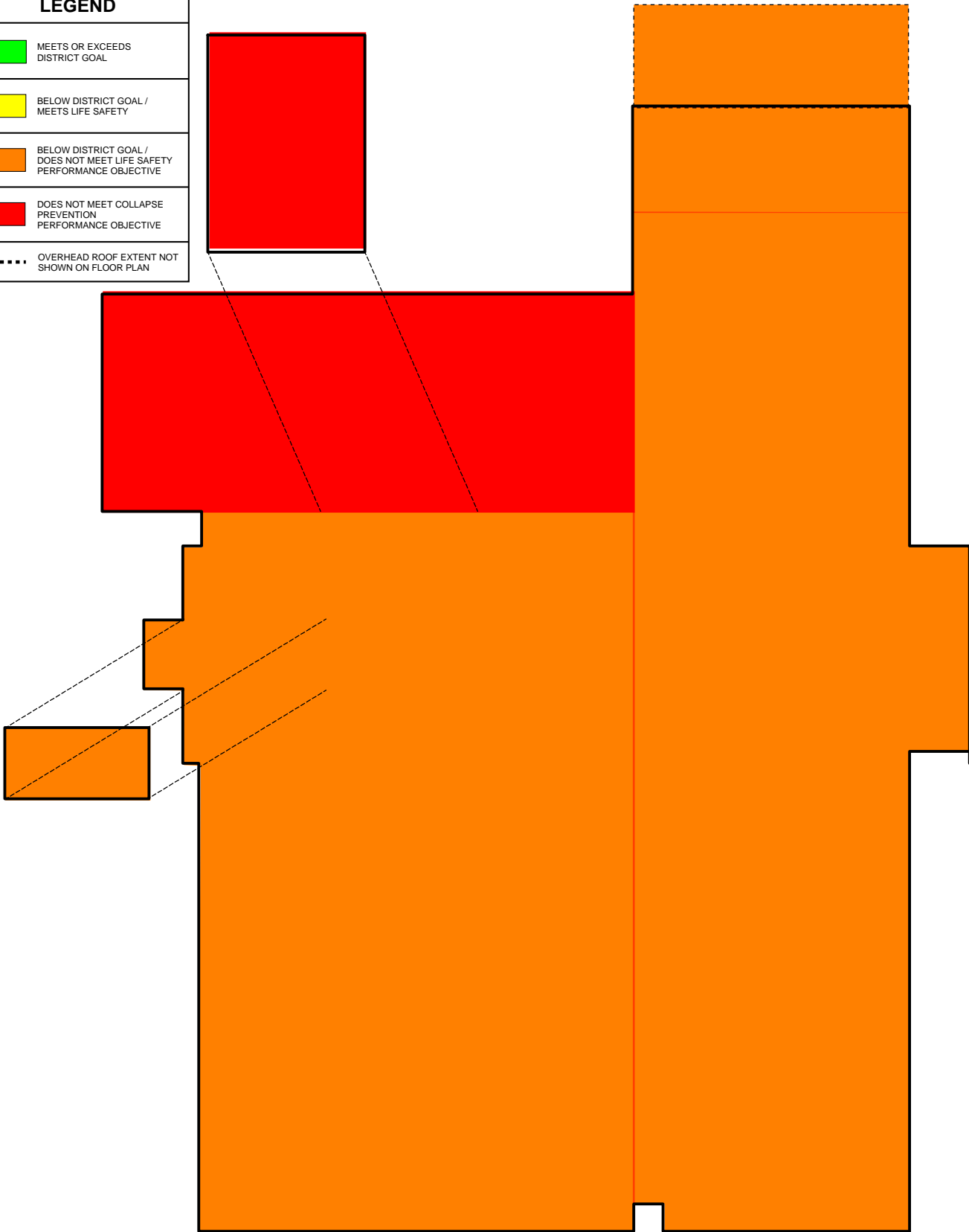
LEGEND	
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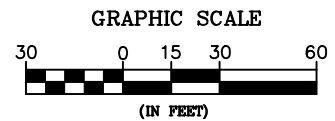


LEGEND






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-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
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-  OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN



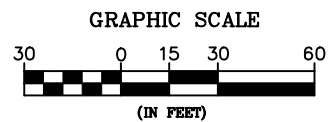
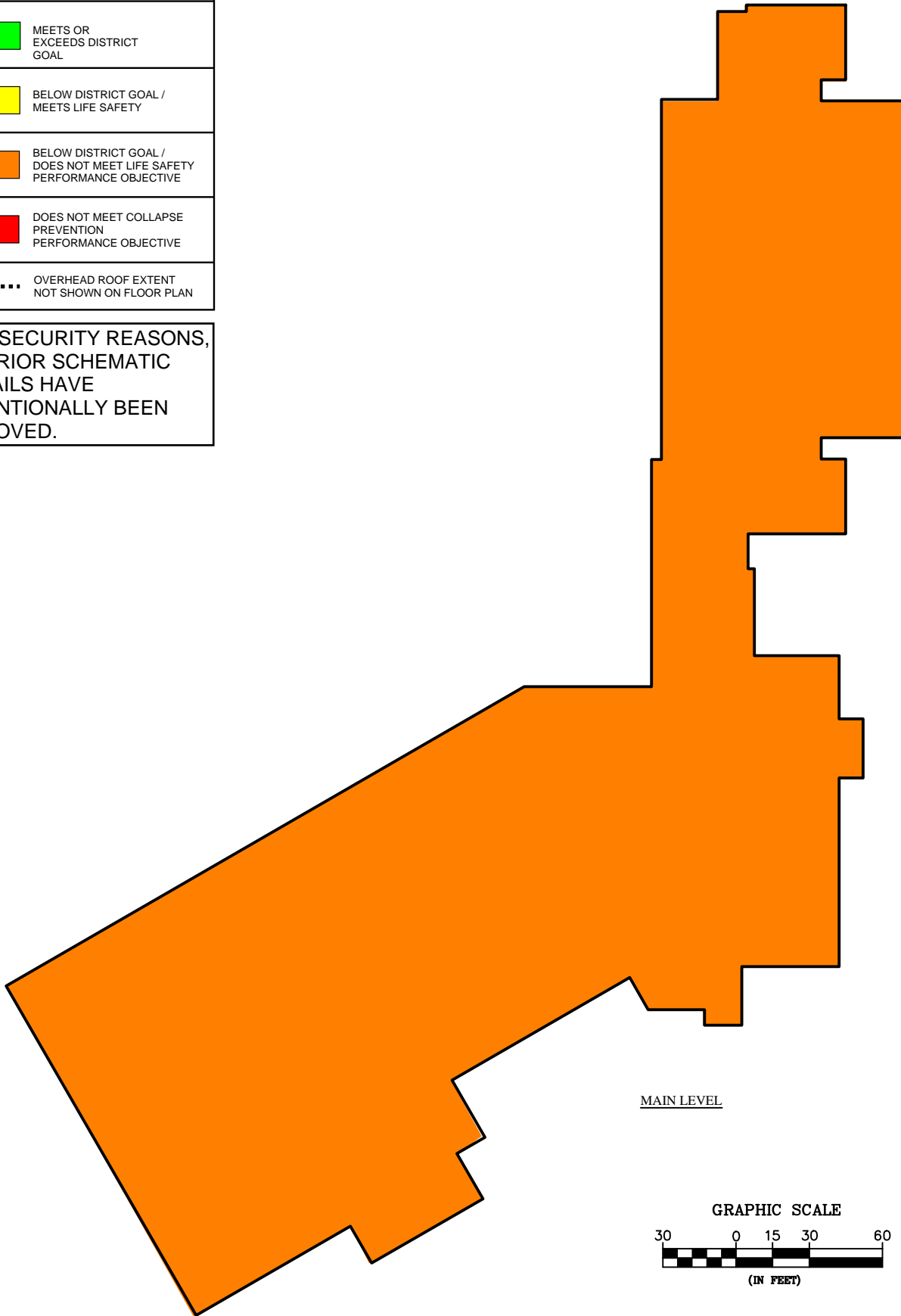
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LEGEND

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-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
-  BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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-  OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

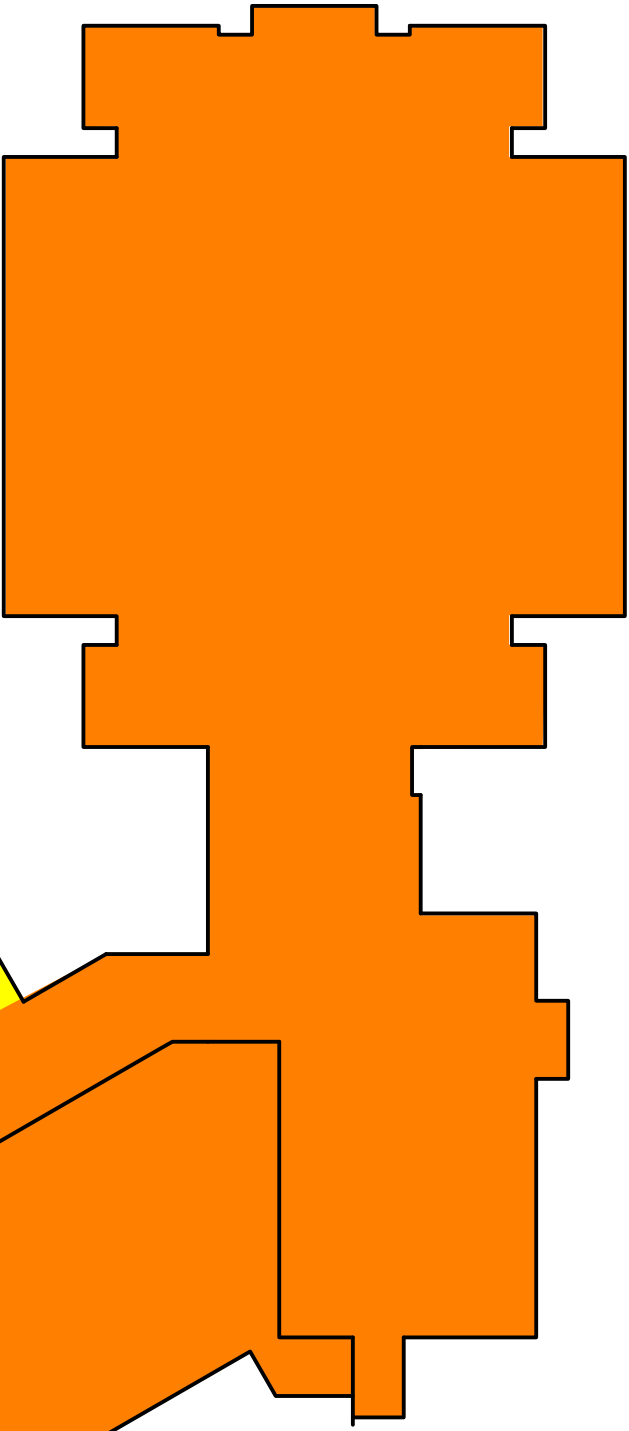
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LEGEND

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-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
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-  DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
-  OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

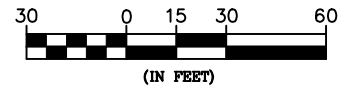
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UPPER LEVEL








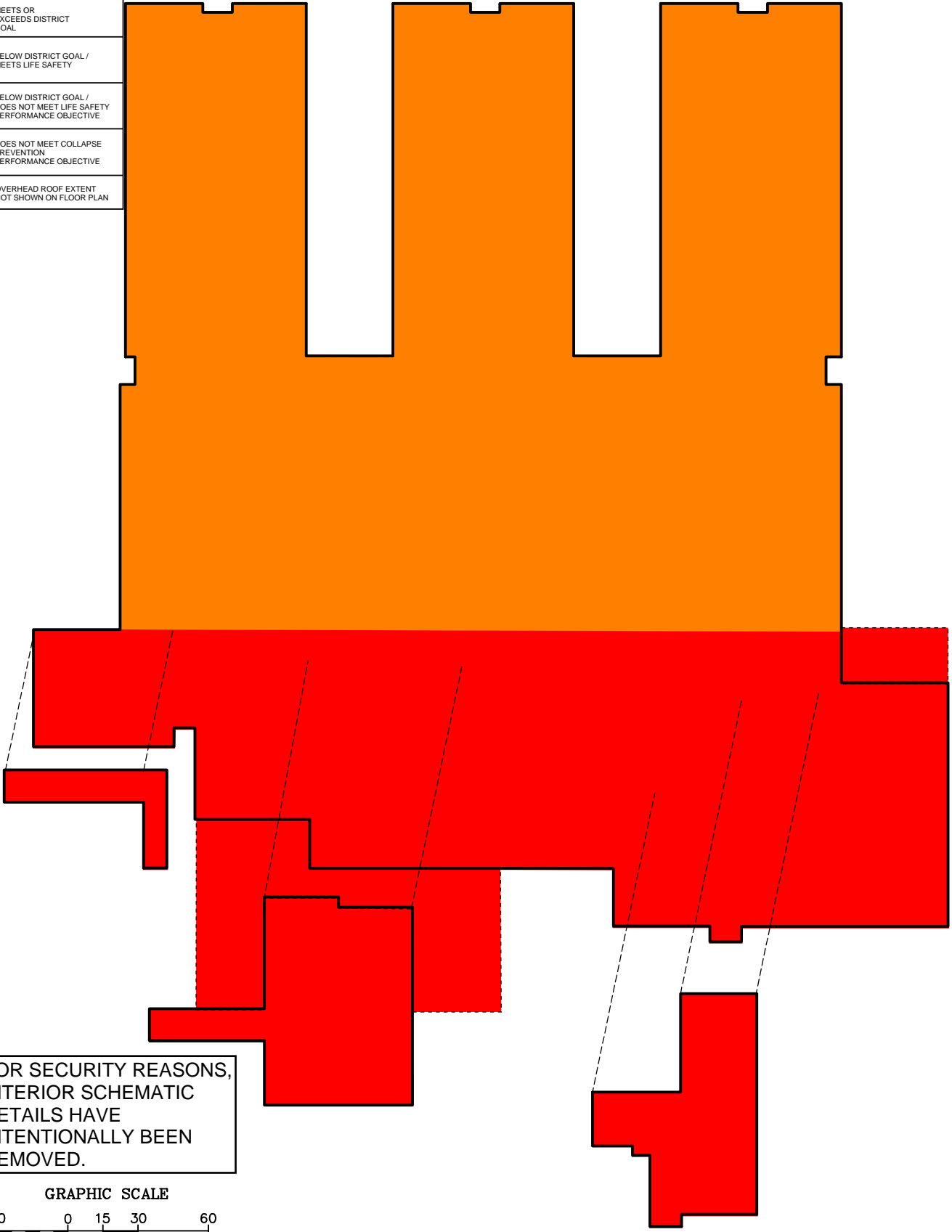
GRAPHIC SCALE



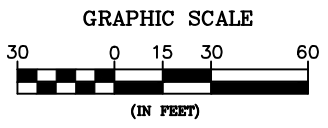
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LEGEND

-  MEETS OR EXCEEDS DISTRICT GOAL
-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
-  BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
-  DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
-  OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN








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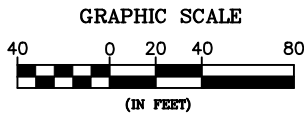




MAIN LEVEL

LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
	DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN


FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.





LEGEND

 MEETS OR EXCEEDS DISTRICT GOAL

 BELOW DISTRICT GOAL / MEETS LIFE SAFETY

 BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE

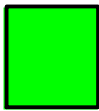
 DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE

 OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

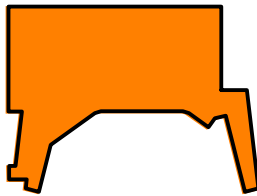
FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.



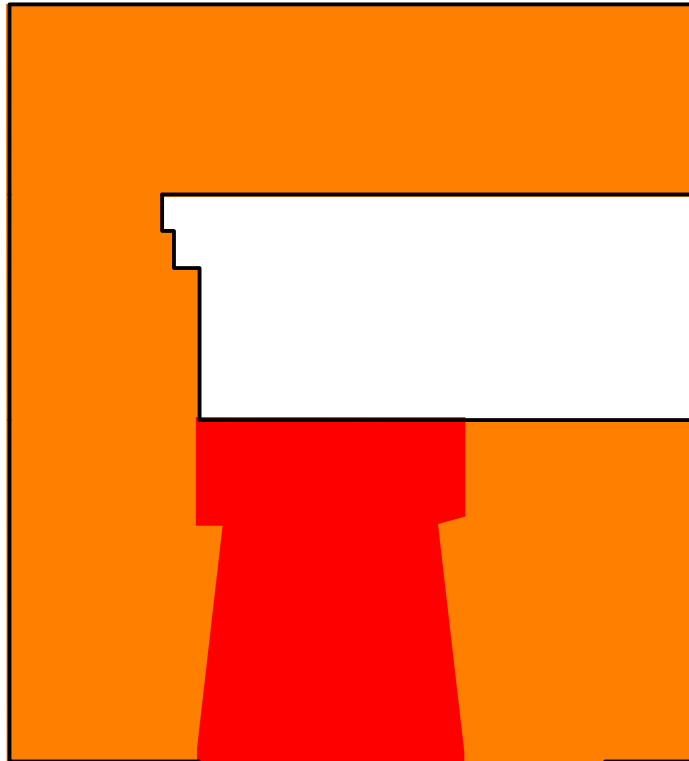
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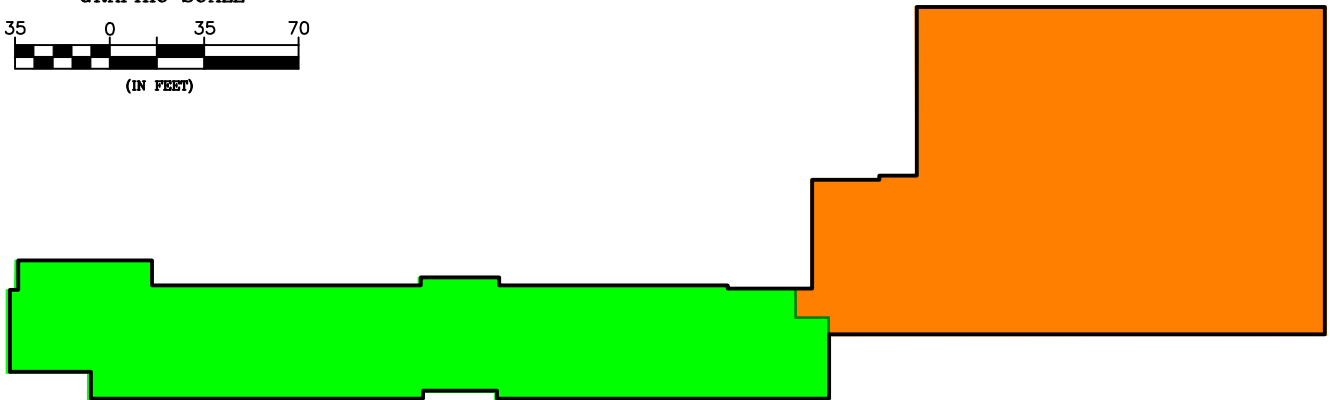
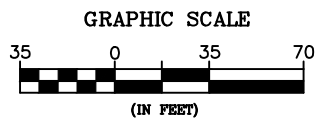
MEZZANINE



UNDER STAGE








ATTIC LEVEL



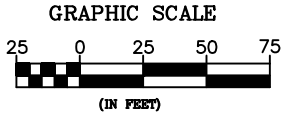
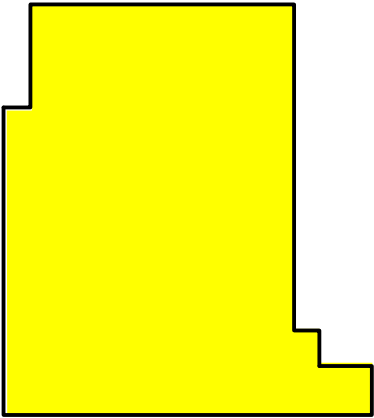
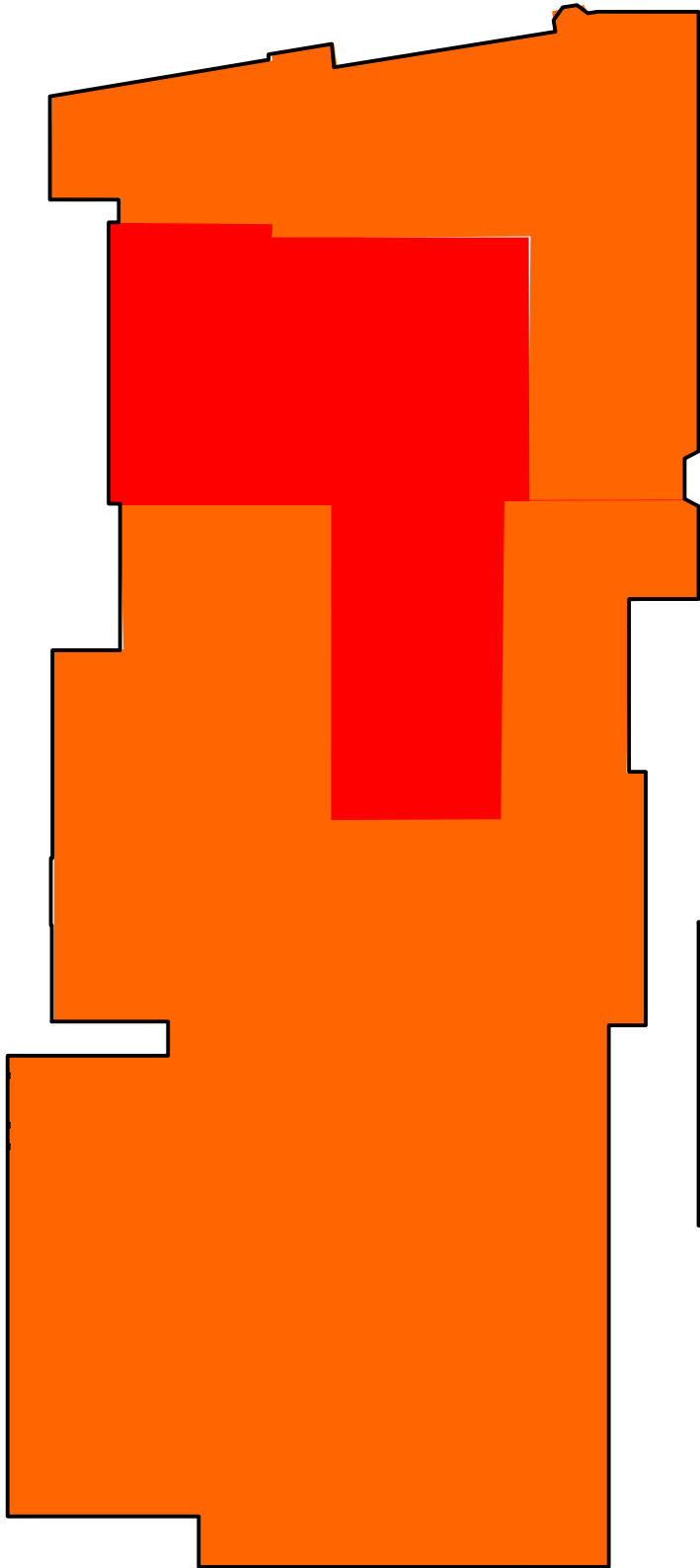
LOWER LEVEL



LEGEND

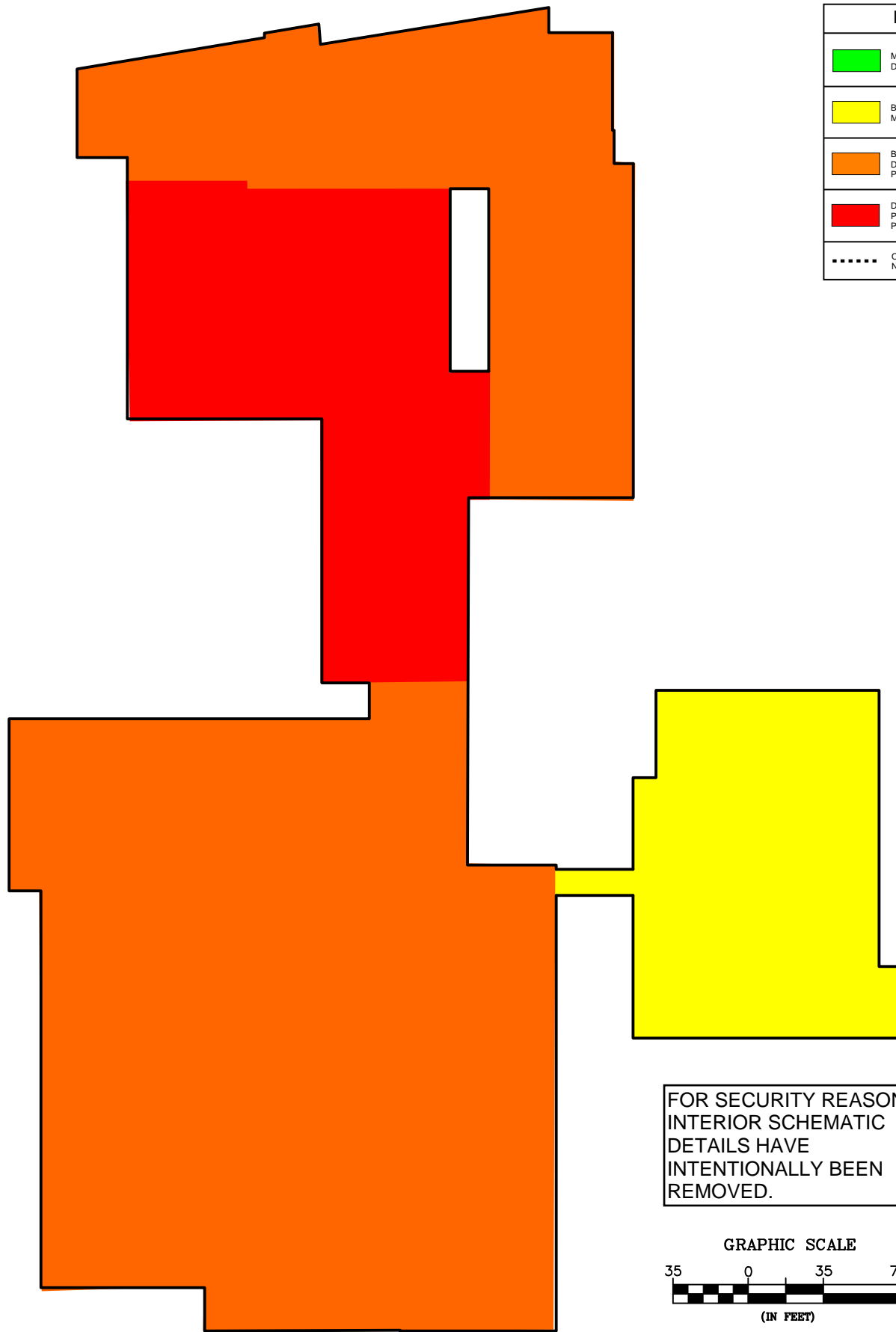
-  MEETS OR EXCEEDS DISTRICT GOAL
-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
-  BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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-  OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN






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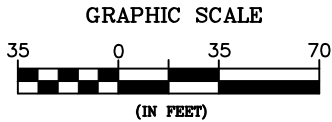
MAIN FLOOR





LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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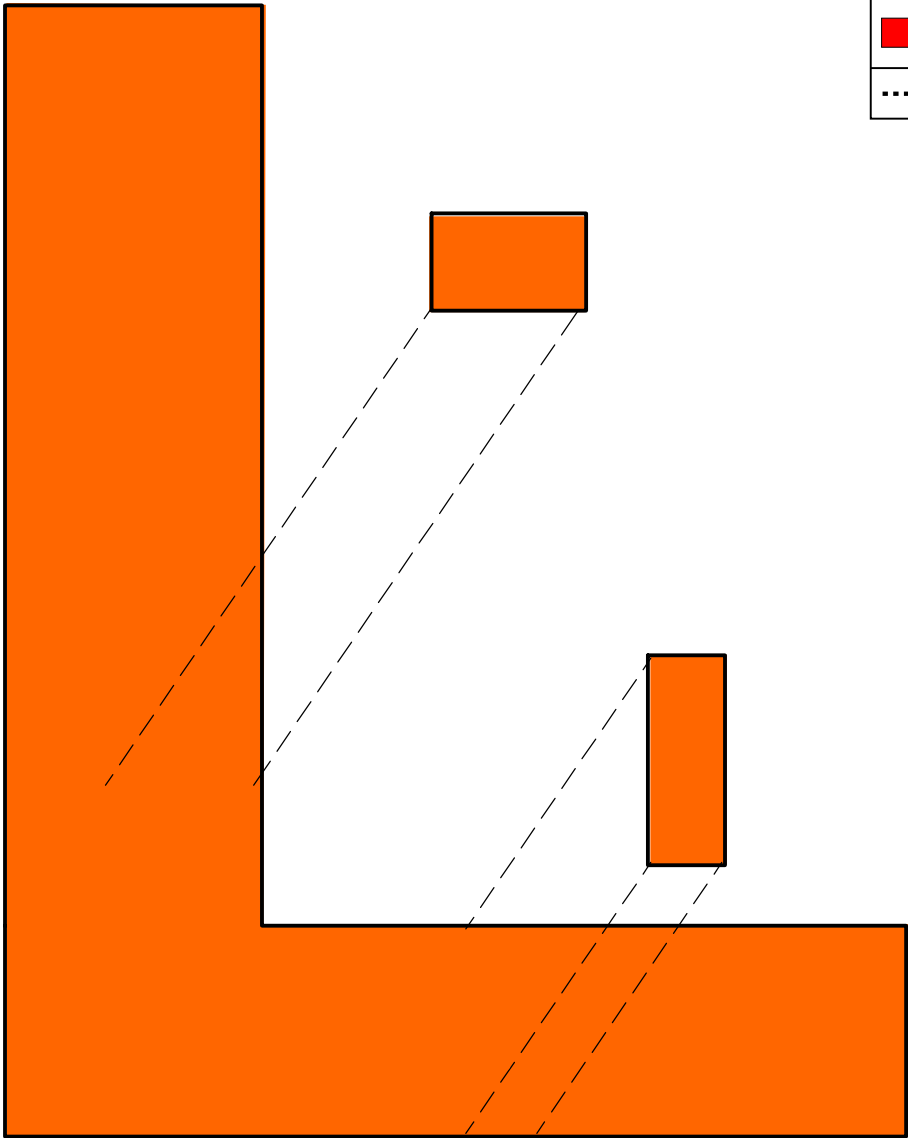


UPPER FLOOR



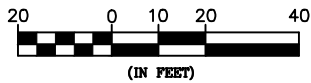
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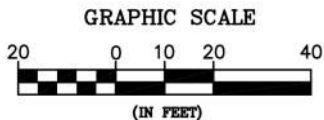
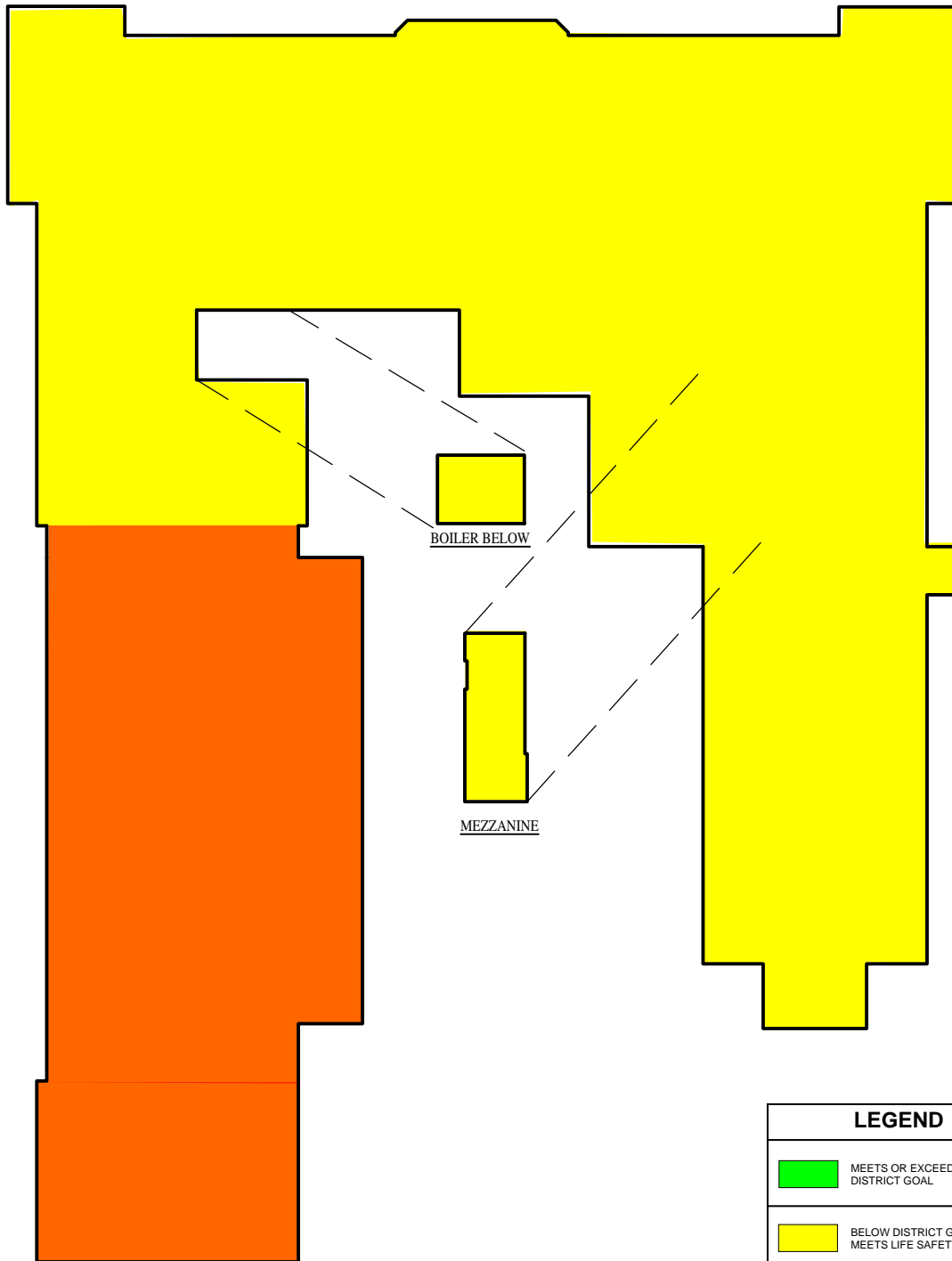
LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN



WEST ANNEX

GRAPHIC SCALE










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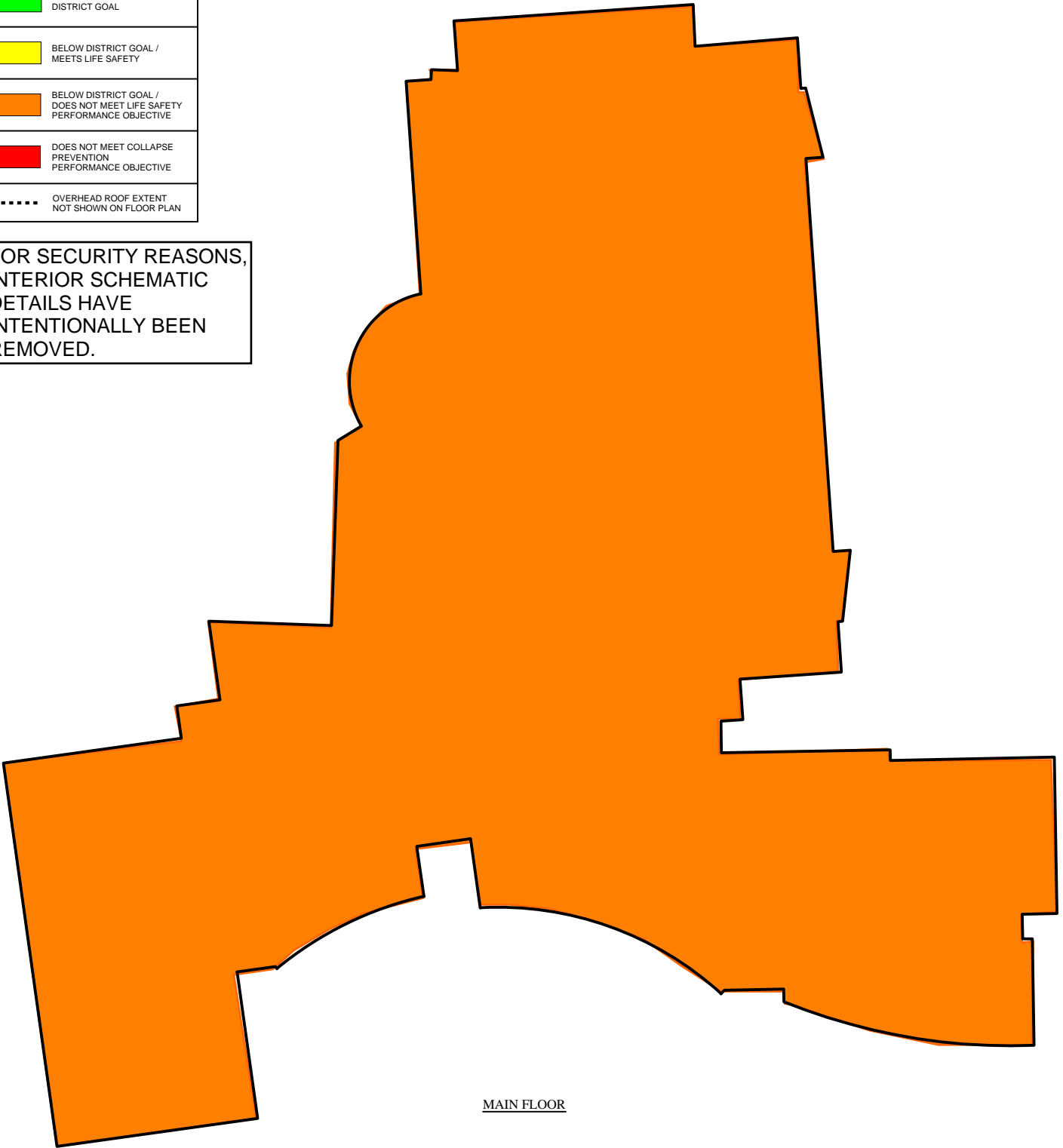
LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
	DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
	OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN



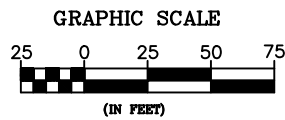
LEGEND

-  MEETS OR EXCEEDS DISTRICT GOAL
-  BELOW DISTRICT GOAL / MEETS LIFE SAFETY
-  BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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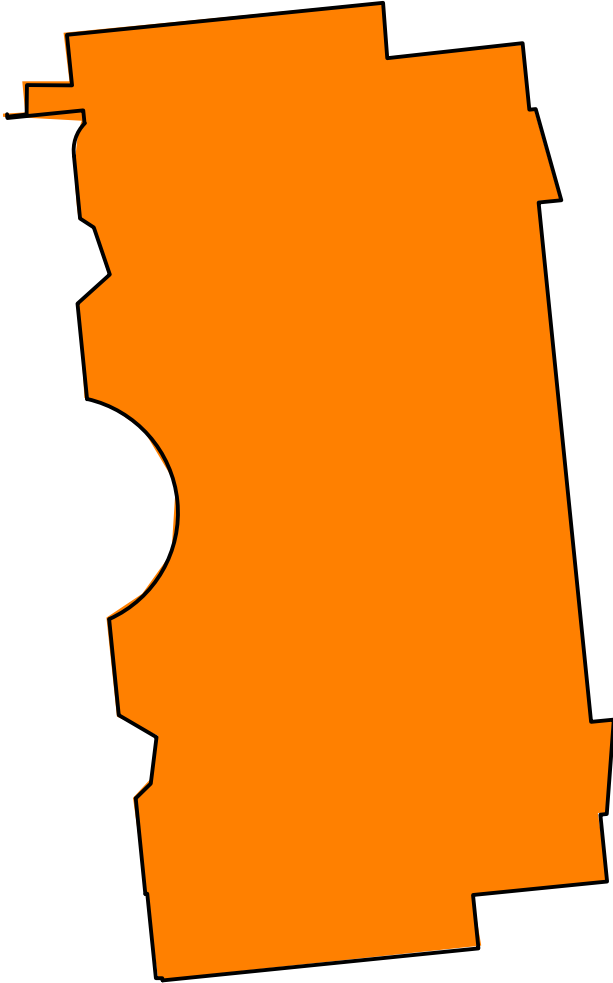
MAIN FLOOR



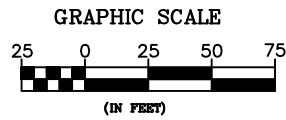
LEGEND

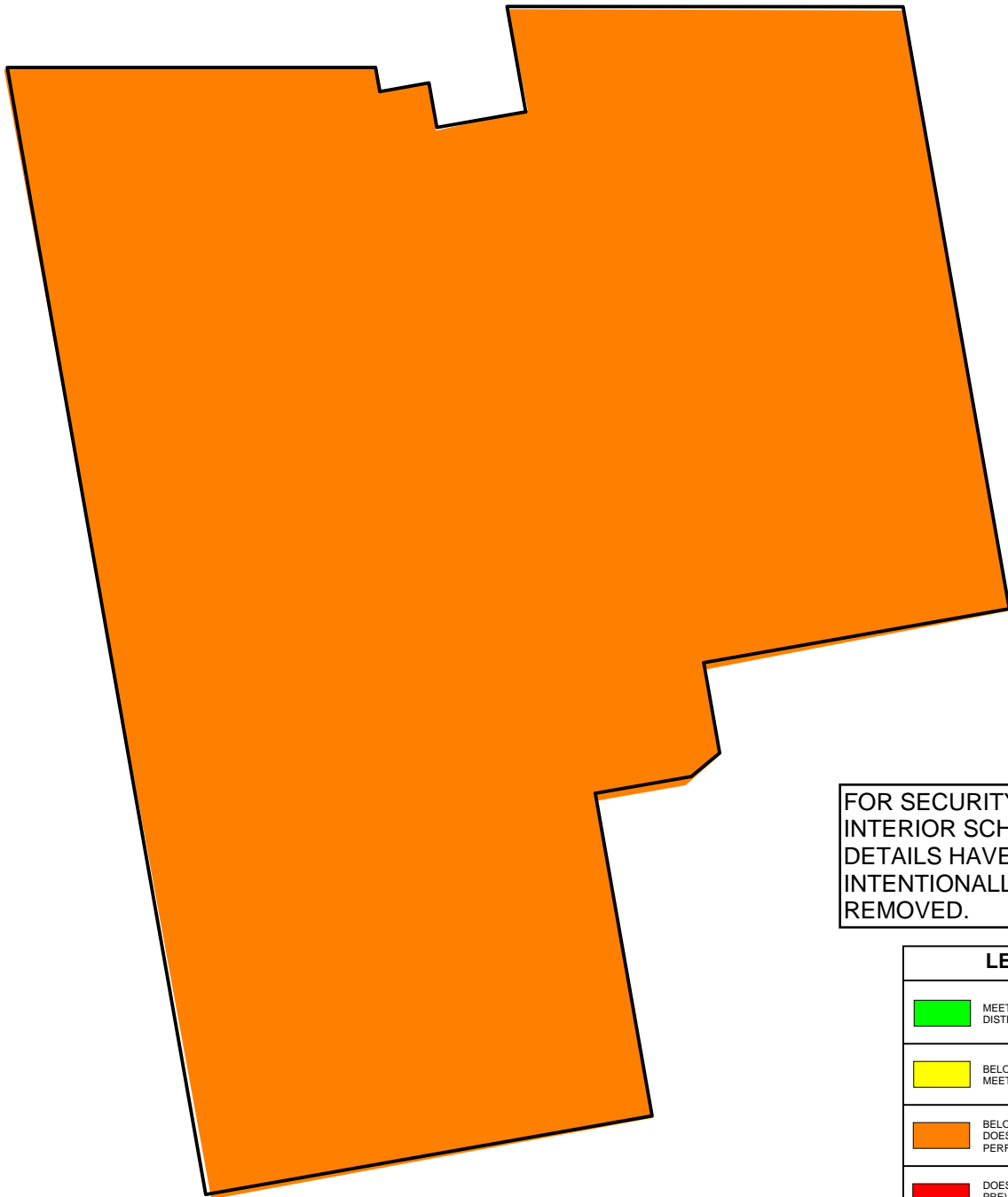
- MEETS OR EXCEEDS DISTRICT GOAL
- BELOW DISTRICT GOAL / MEETS LIFE SAFETY
- BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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- OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN

FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.








UPPER FLOOR



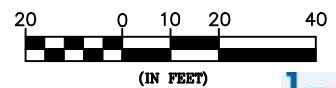


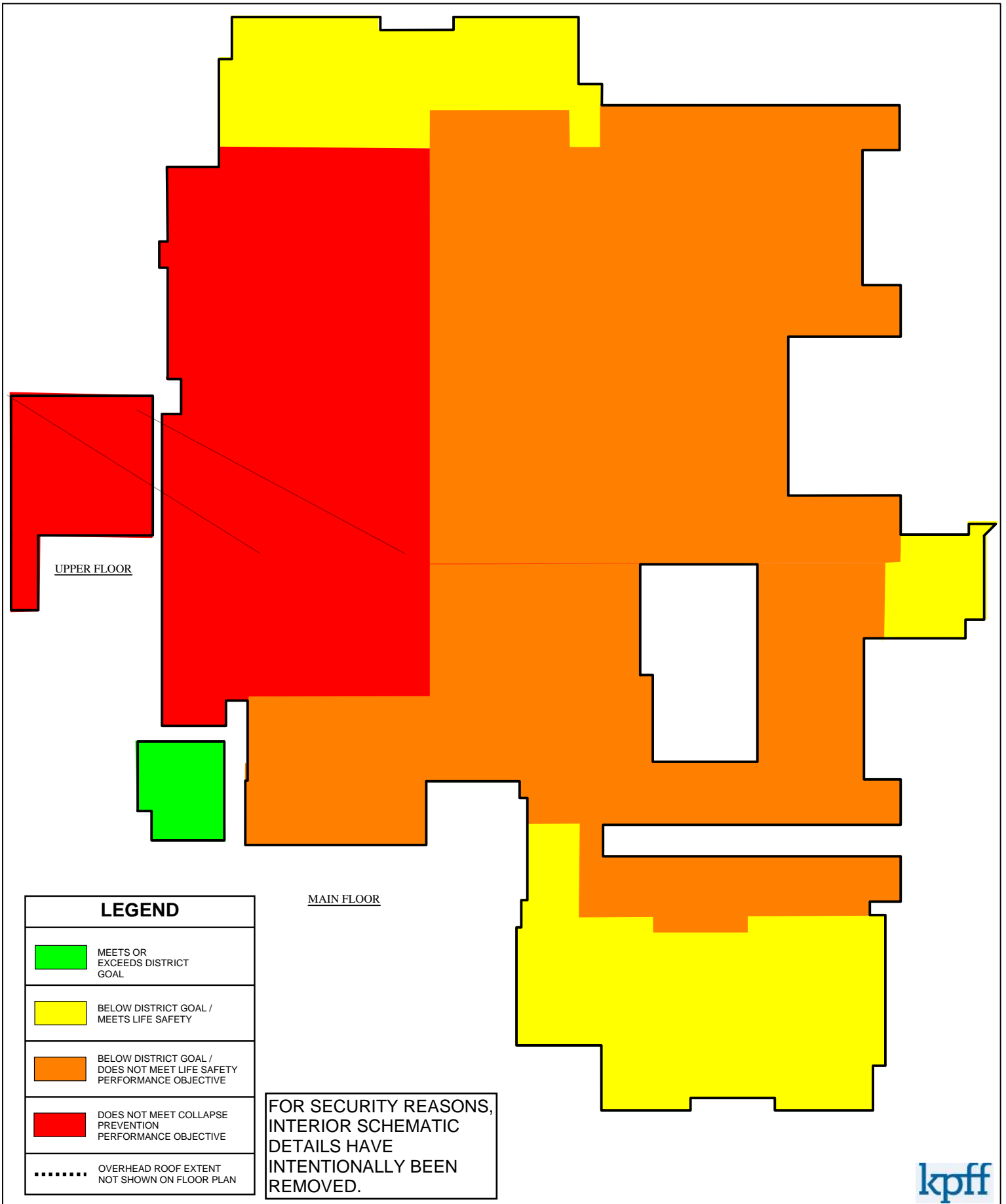
LOWER FLOOR

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LEGEND	
	MEETS OR EXCEEDS DISTRICT GOAL
	BELOW DISTRICT GOAL / MEETS LIFE SAFETY
	BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
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GRAPHIC SCALE



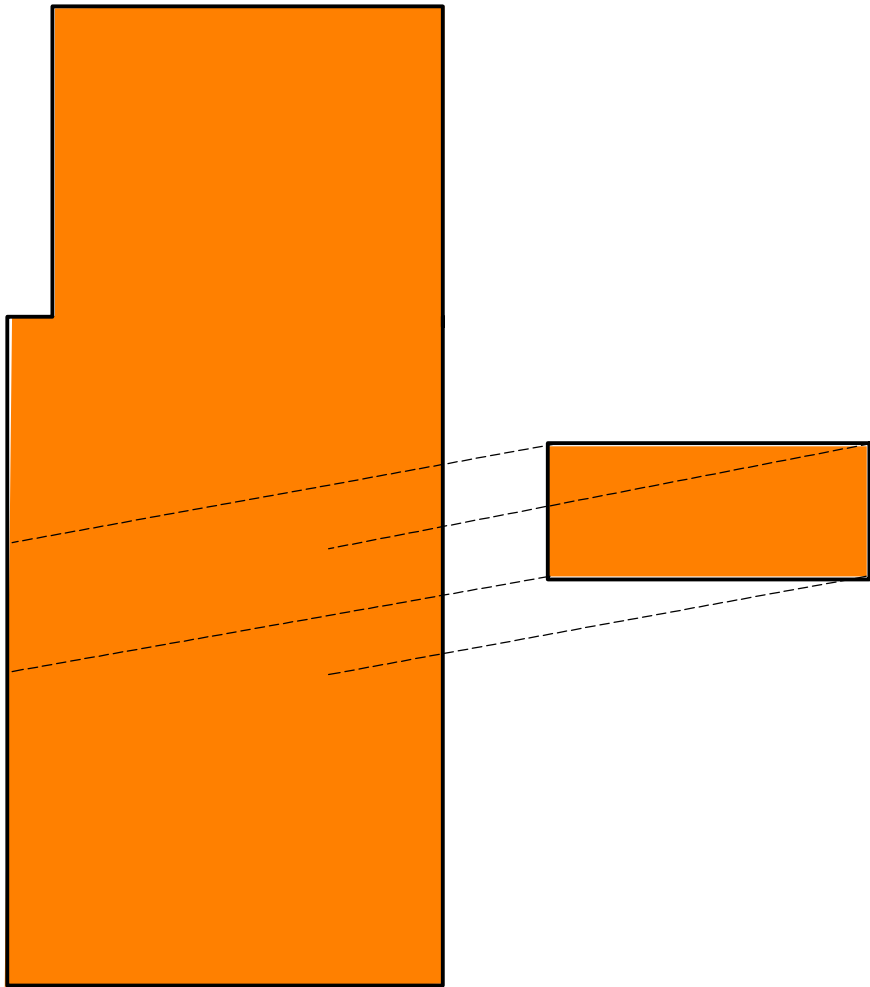


LEGEND

- MEETS OR EXCEEDS DISTRICT GOAL
- BELOW DISTRICT GOAL / MEETS LIFE SAFETY
- BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE
- DOES NOT MEET COLLAPSE PREVENTION PERFORMANCE OBJECTIVE
- OVERHEAD ROOF EXTENT NOT SHOWN ON FLOOR PLAN






FOR SECURITY REASONS, INTERIOR SCHEMATIC DETAILS HAVE INTENTIONALLY BEEN REMOVED.





T BUILDING

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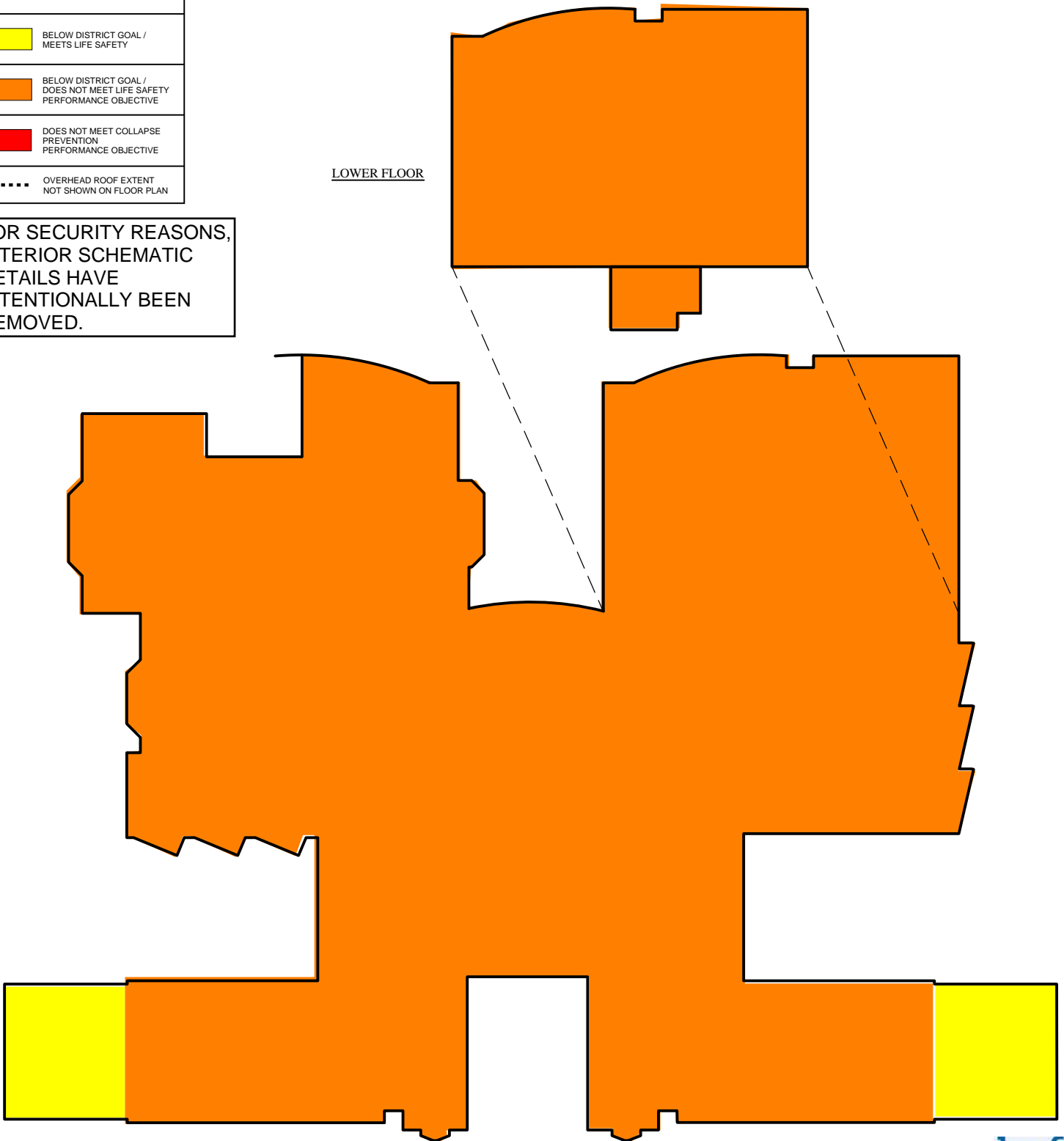
LEGEND	
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LEGEND

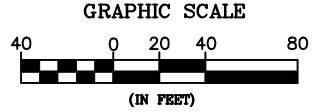
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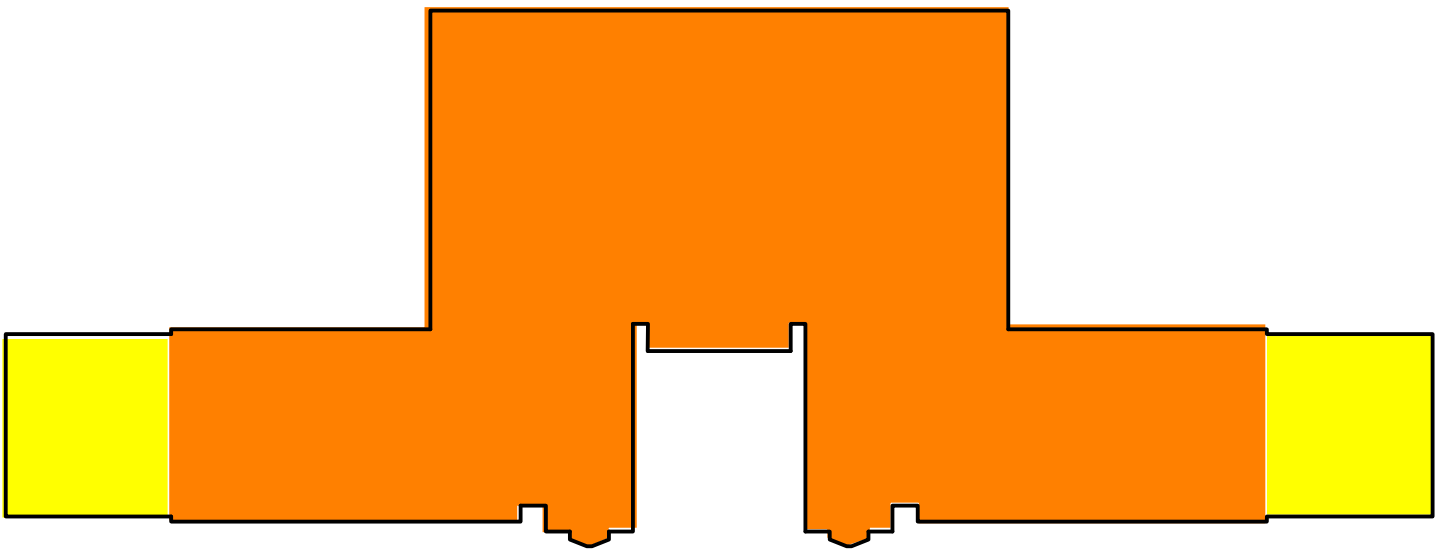
LOWER FLOOR

MAIN FLOOR



LEGEND

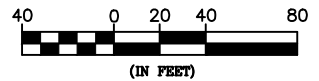
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UPPER FLOOR

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GRAPHIC SCALE



Sheet

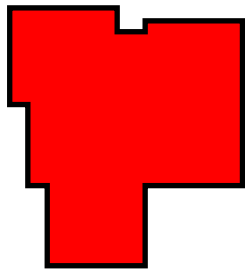
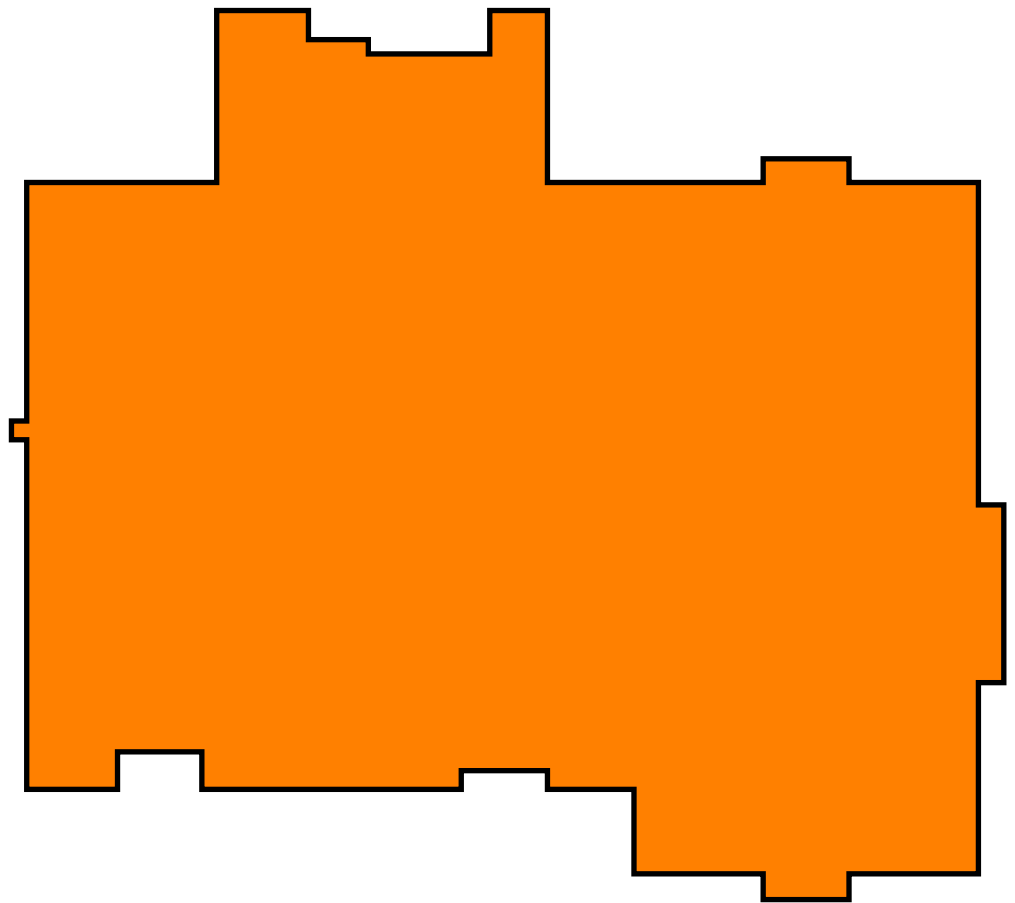


DISTRICT #48
FACILITIES DEPARTMENT
16550 SW Merlo Road
Beaverton, OR 97006-5152


**WESTVIEW
HIGH SCHOOL**
4200 NW 185th Avenue
Portland, OR 97229




6/30/2017




LEGEND

 MEETS OR EXCEEDS DISTRICT GOAL

 BELOW DISTRICT GOAL / MEETS LIFE SAFETY

 BELOW DISTRICT GOAL / DOES NOT MEET LIFE SAFETY PERFORMANCE OBJECTIVE

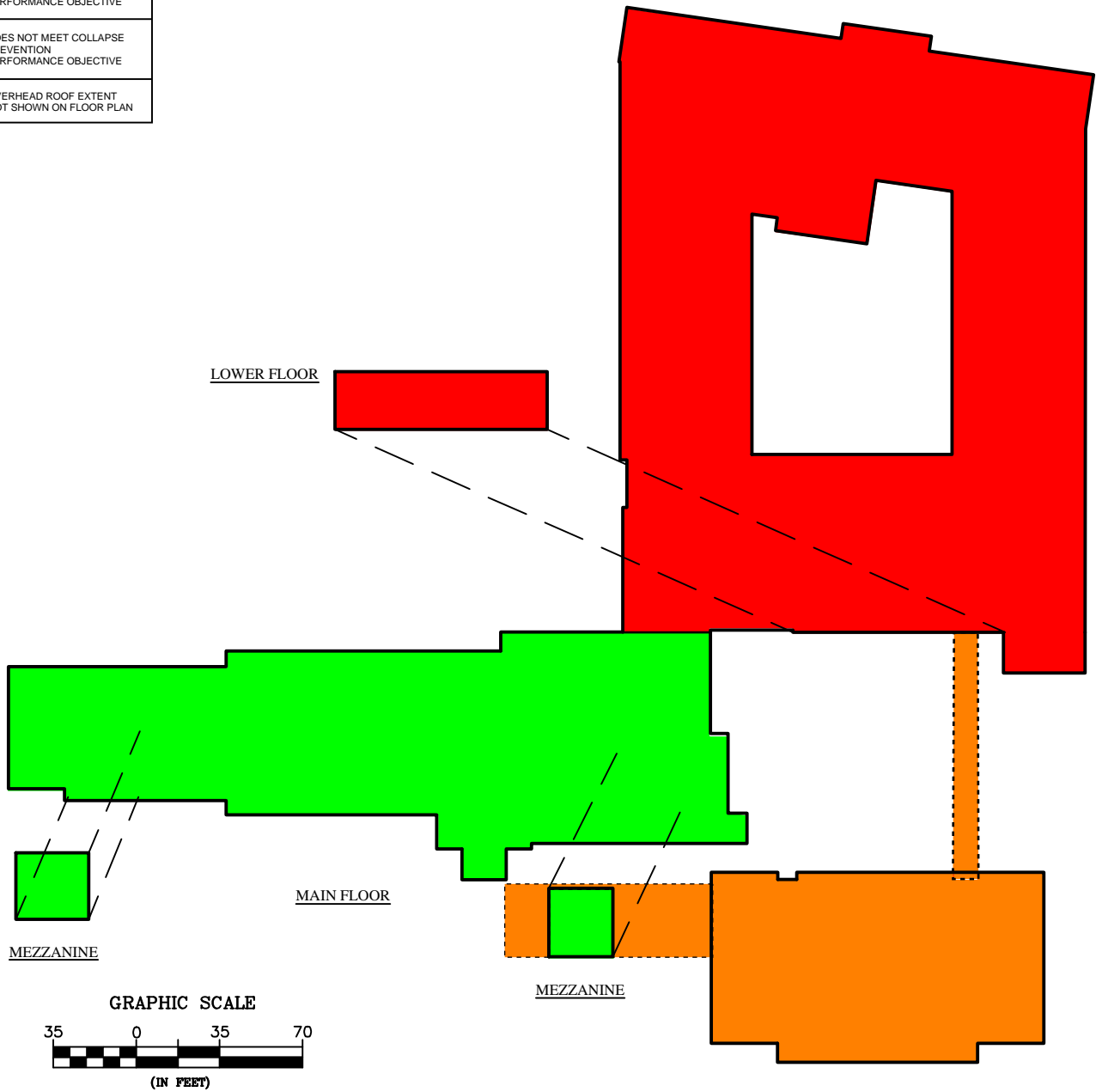
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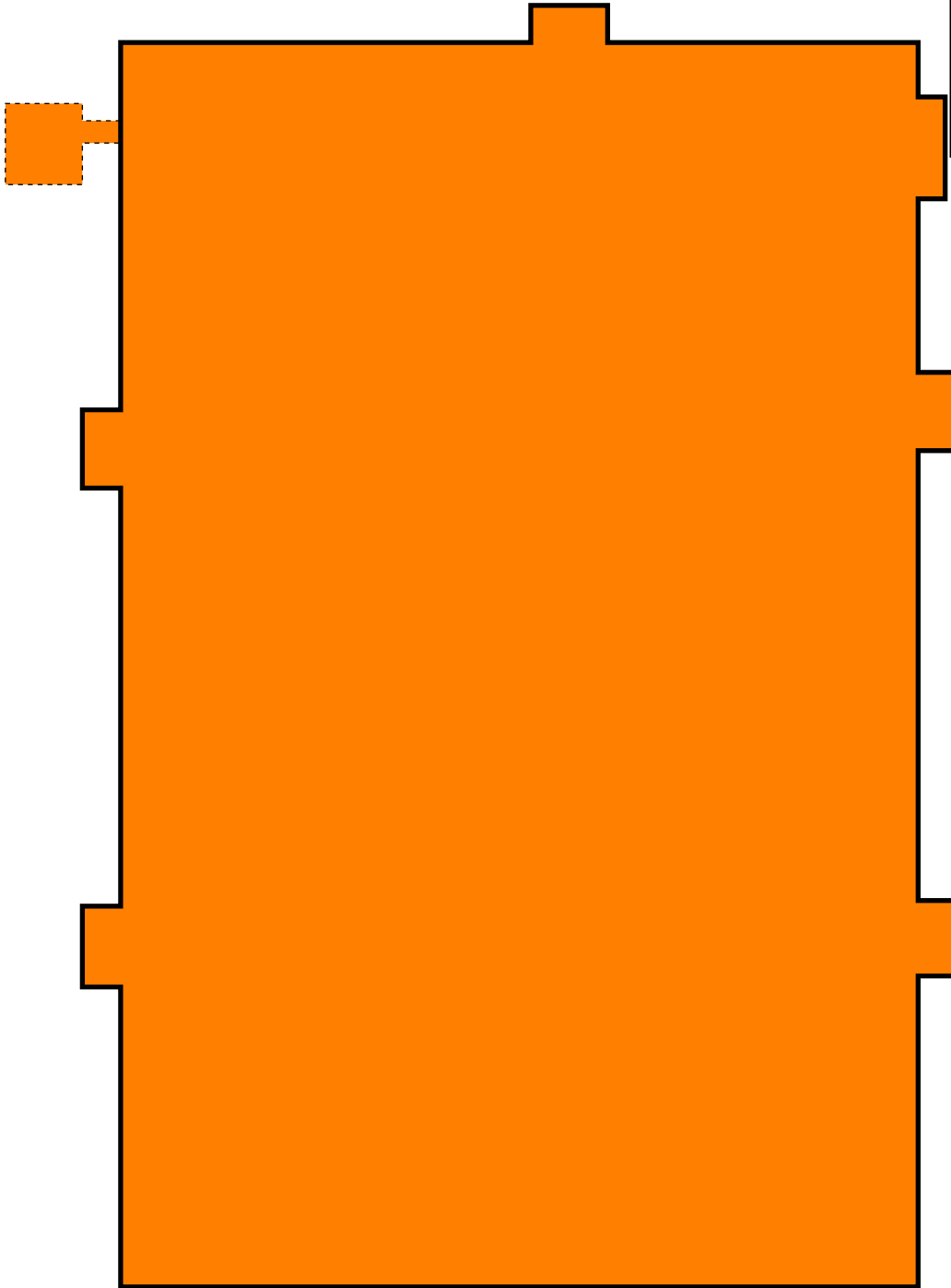


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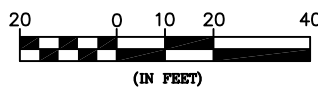


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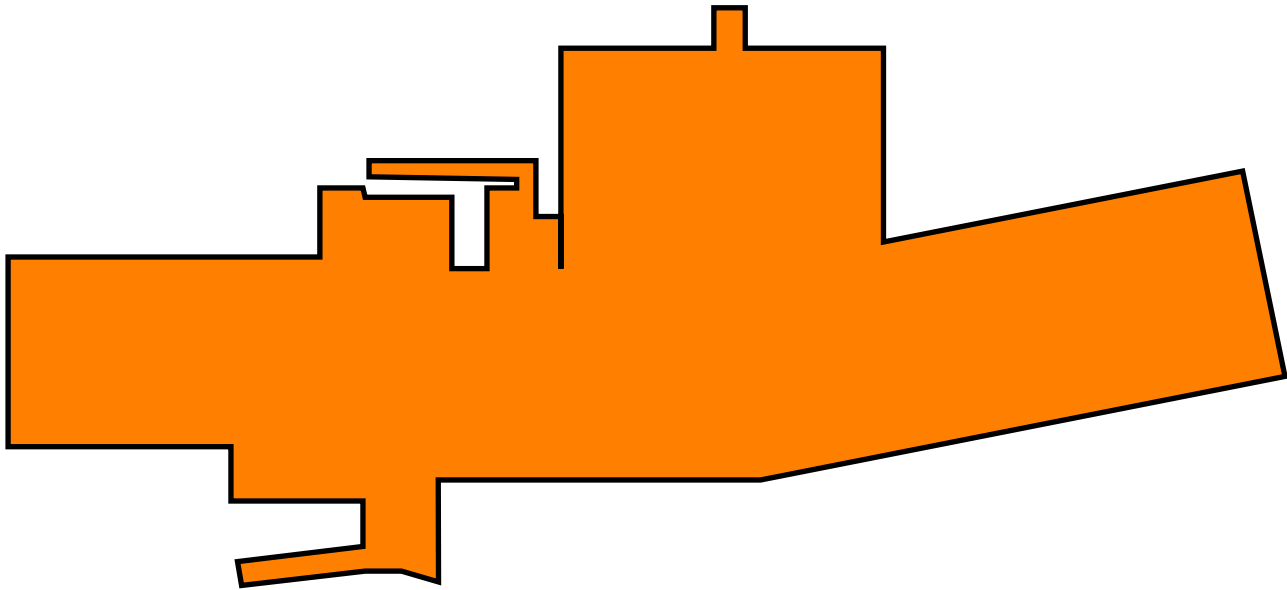







GRAPHIC SCALE



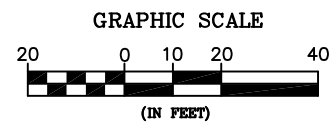
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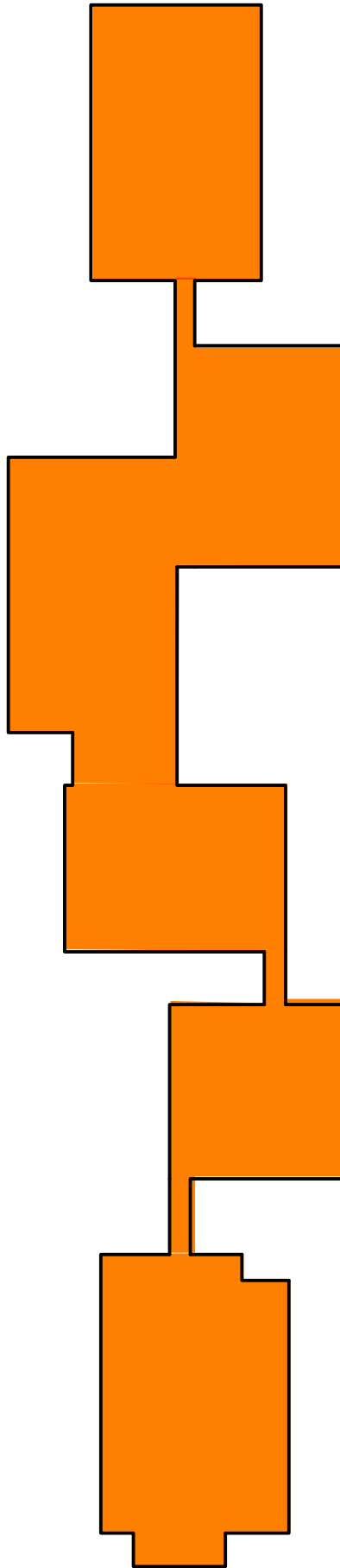









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UPPER LEVEL



LOWER LEVEL






MAINTENANCE BUILDING



MAINTENANCE
MODULAR






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LEGEND

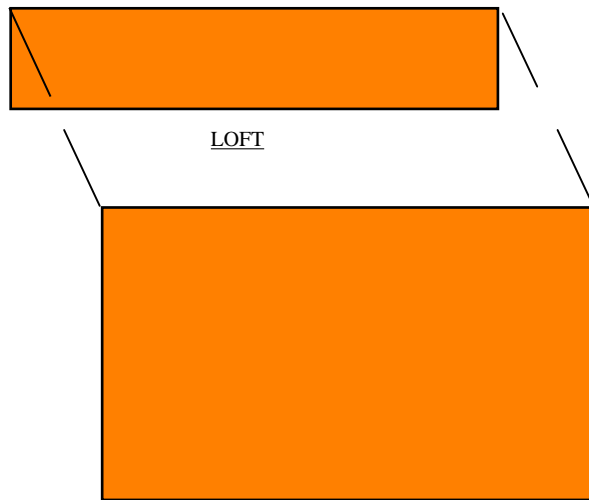
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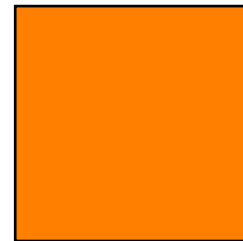
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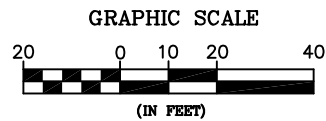


LOFT






PRINT SHOP

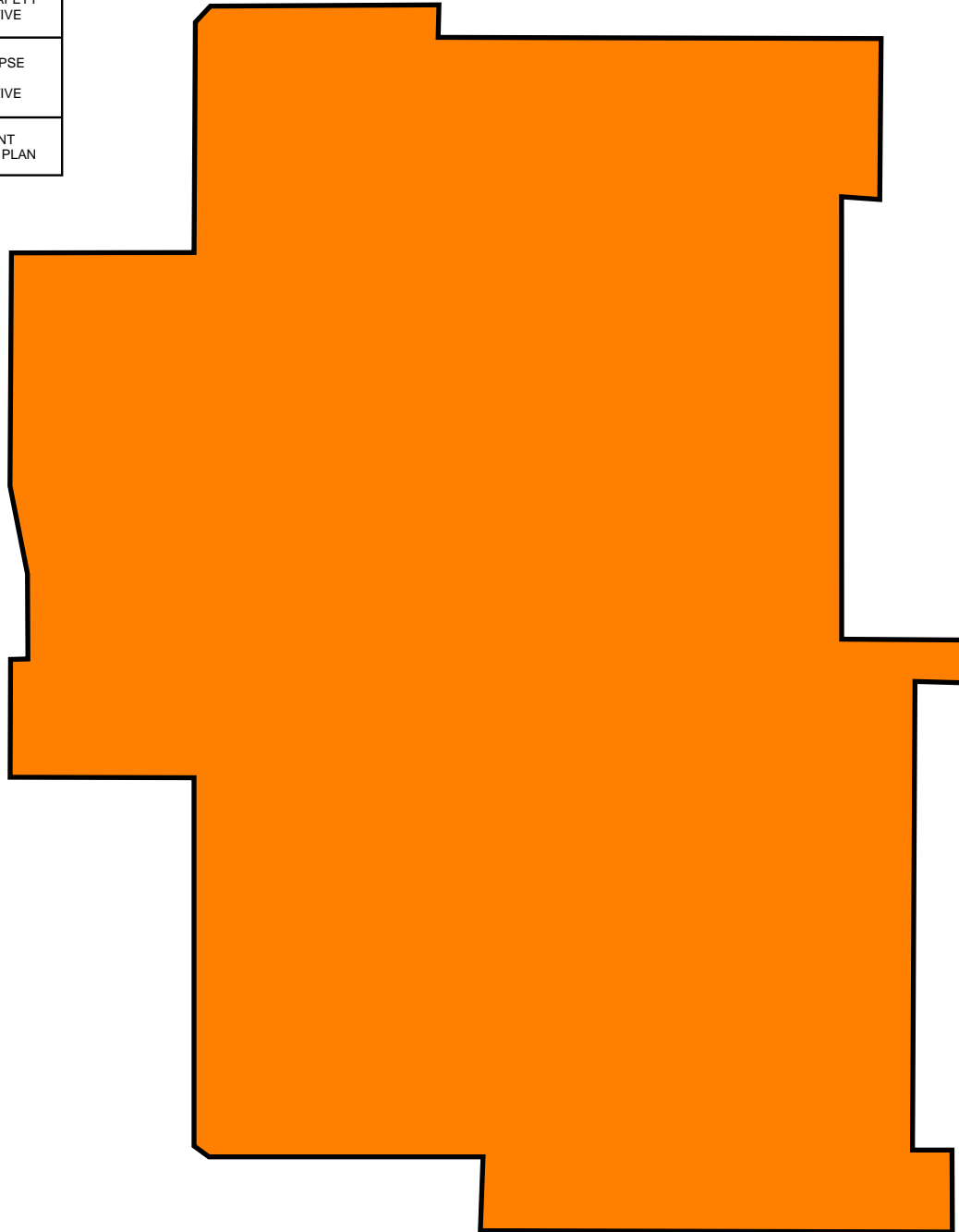


CARPENTRY SHOP

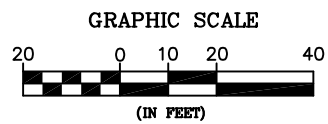


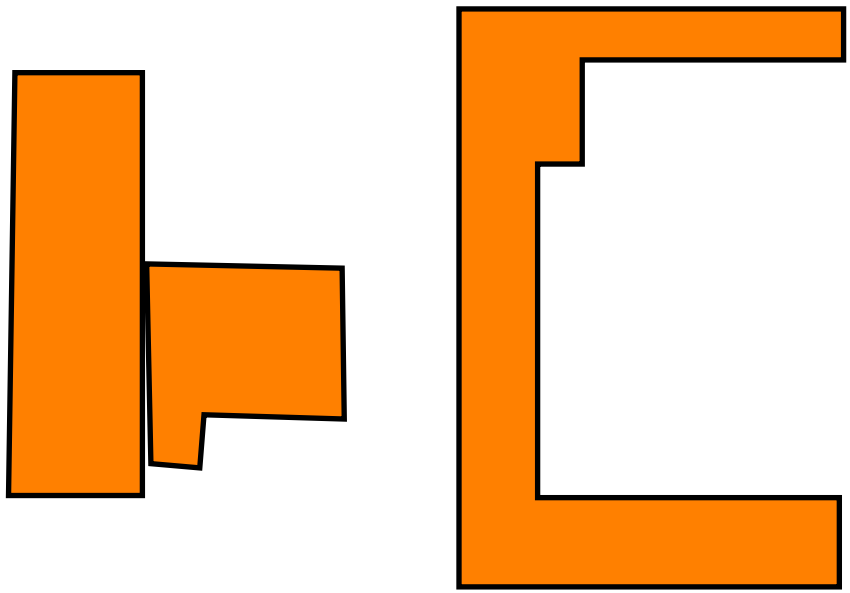
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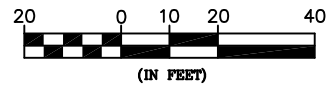
MEZZANINE

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GRAPHIC SCALE



LEGEND



MEETS OR EXCEEDS DISTRICT GOAL



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MAIN FLOOR



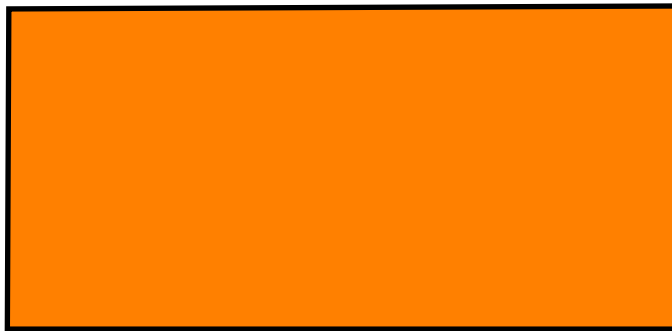
UPPER FLOOR

GRAPHIC SCALE

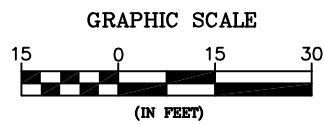







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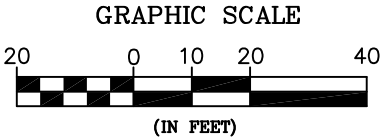
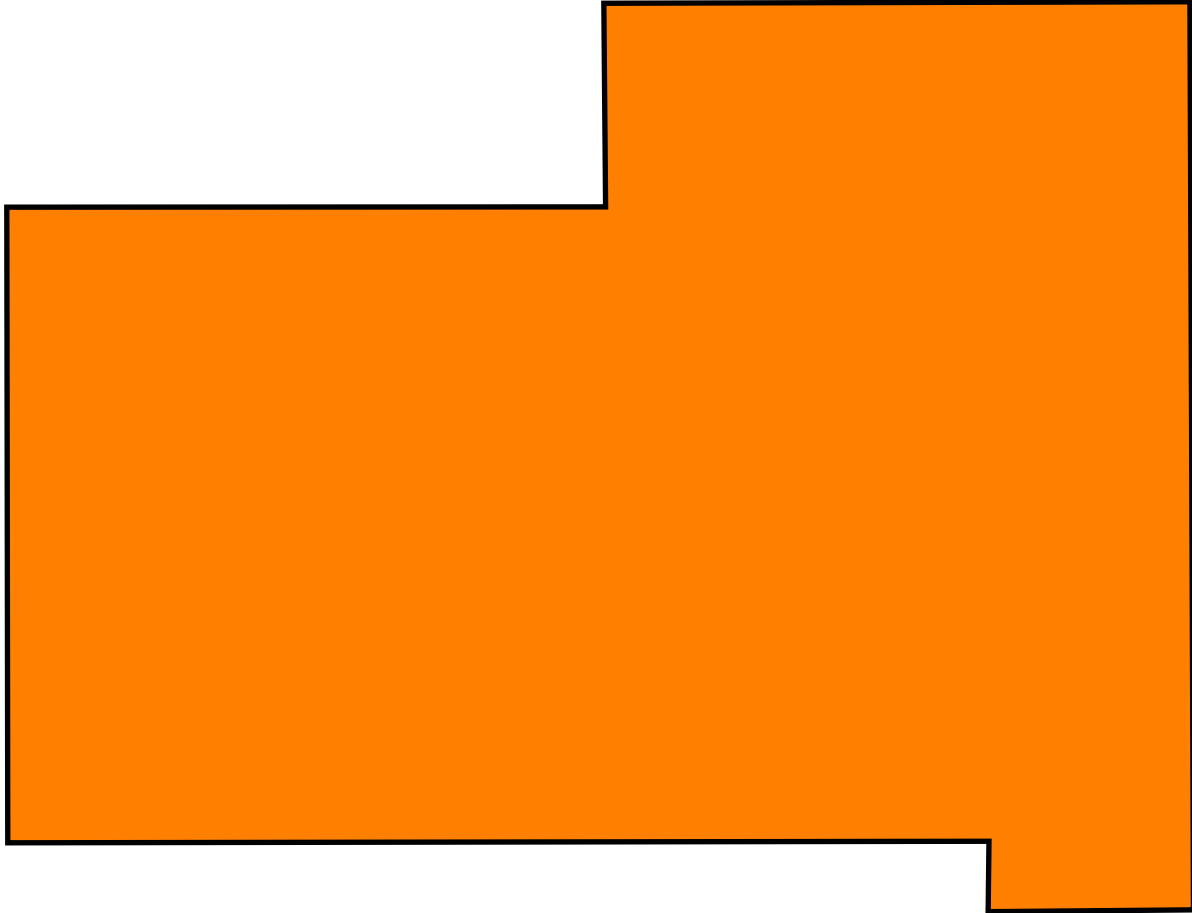


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