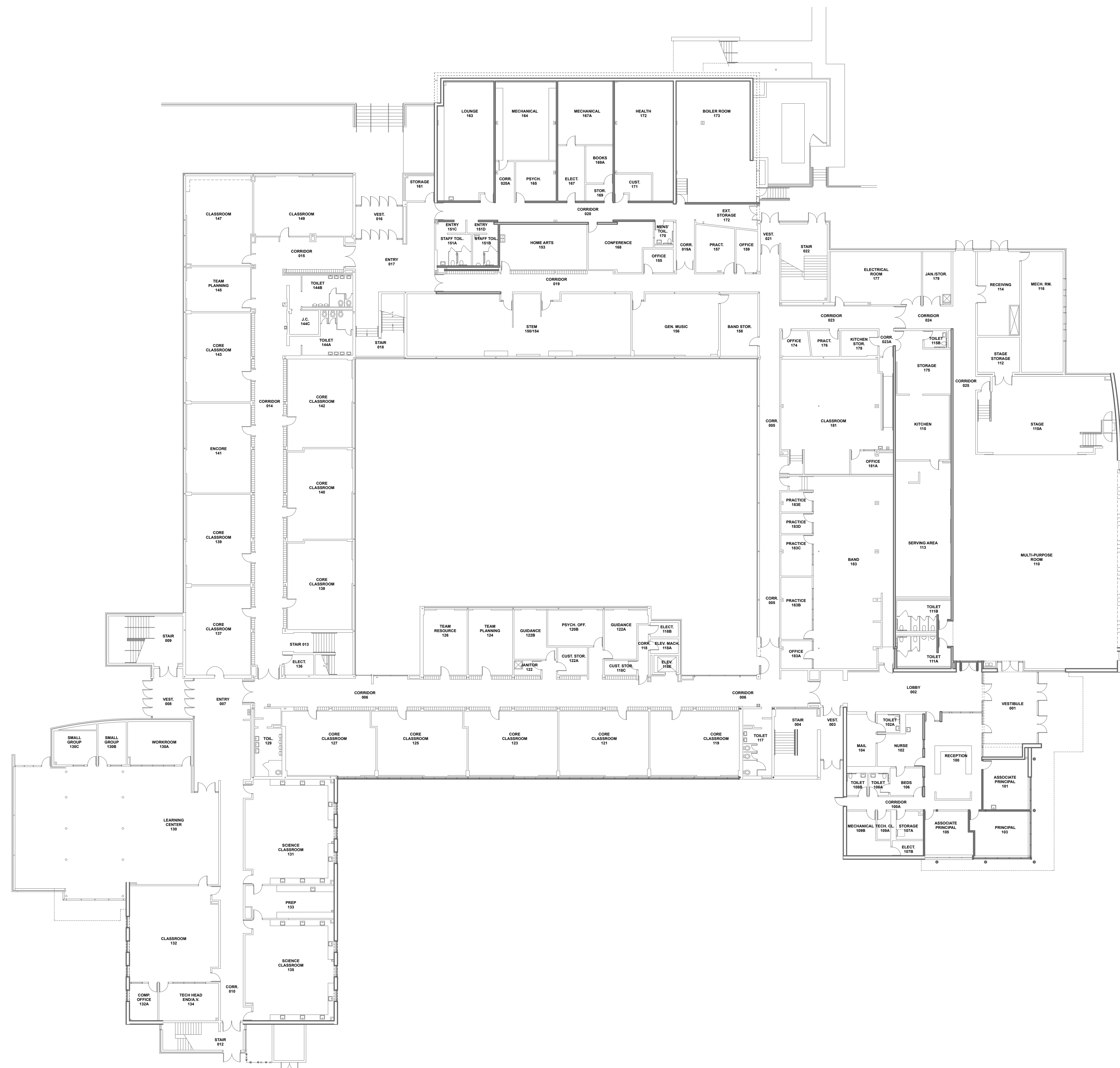




## EXISTING FIRST FLOOR PLAN

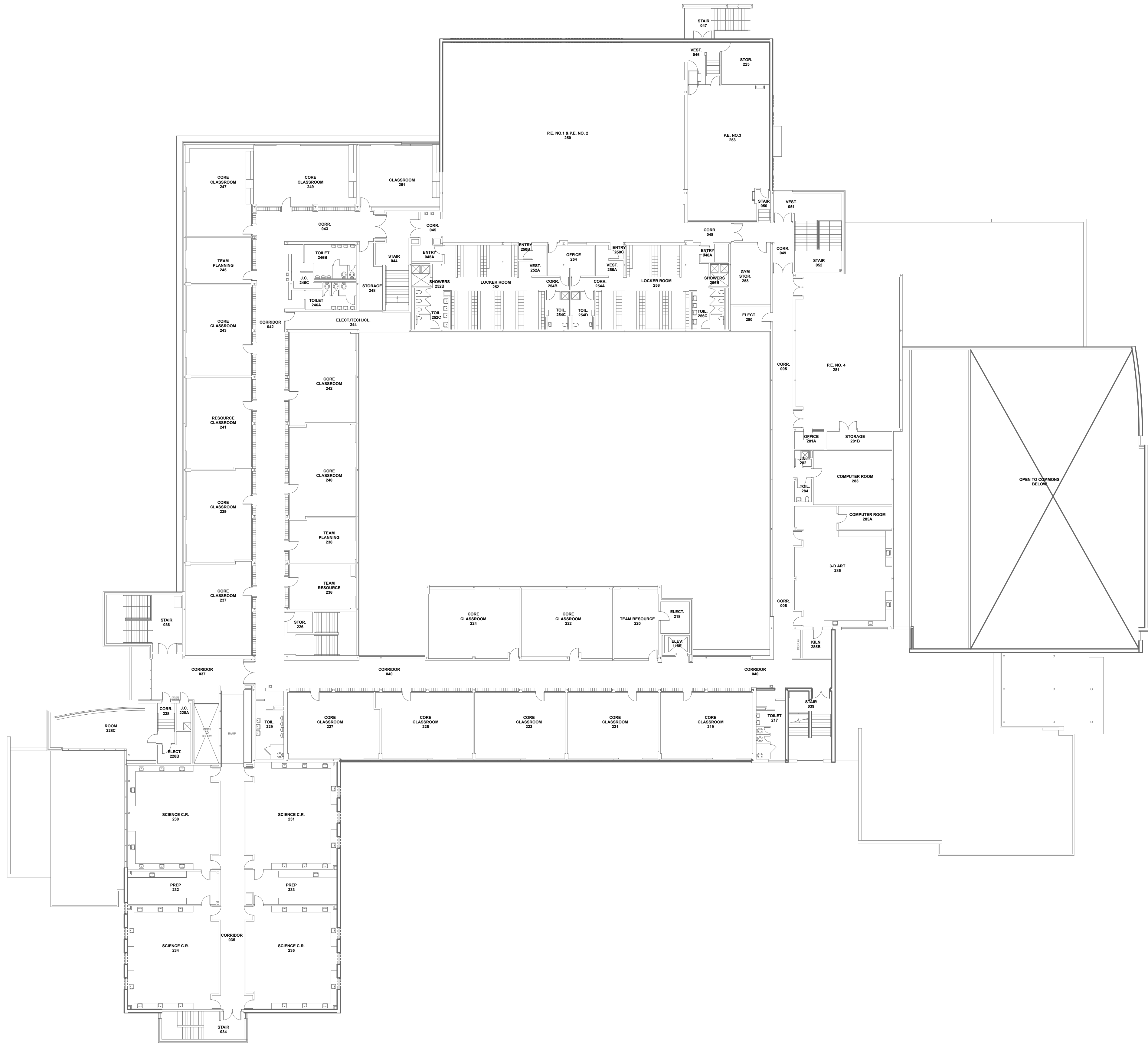


## THOMAS MIDDLE SCHOOL ADDITIONS AND RENOVATIONS

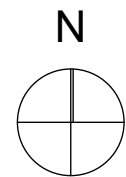
1430 N. Belmont Avenue, Arlington  
Heights, IL 60004

**ARLINGTON HEIGHTS SCHOOL DISTRICT 25**

/1/16



EXISTING SECOND FLOOR PLAN



PROJECT DATA: THOMAS MIDDLE SCHOOL

|                                                                                              |                                                       |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Construction Type</b>                                                                     |                                                       |
| Existing Building: Type 2 Unprotected<br>Proposed Addition: Type 2 Unprotected (28 2009 IBC) |                                                       |
| <b>Automatic Fire Suppression</b>                                                            |                                                       |
| Existing Building: Yes, throughout building<br>Proposed Addition: Yes, throughout addition   |                                                       |
| <b>Fire Alarm System</b>                                                                     |                                                       |
| Existing Building: Yes, throughout building<br>Proposed Addition: Yes, throughout addition   |                                                       |
| <b>Allowable Height per 2009 IBC</b>                                                         |                                                       |
| Allowable Tabular Stories and Height [Table 503]:                                            | 2 stories, 55 feet                                    |
| Stories/Height Increase due to Sprinklers:                                                   | 1 story, 20 feet                                      |
| Allowable Stories/Height:                                                                    | 3 stories, 75 feet                                    |
| Actual Stories/Height:                                                                       | 2 stories, 33'-8" (39'-4" to top of existing chimney) |
| <b>Allowable Building Area</b>                                                               |                                                       |
| <b>Building 1</b>                                                                            |                                                       |
| Allowable Tabular Area [Table 503]:                                                          | 14,500 SQ. FT.                                        |
| Area Increase due to Frontage: $[769/1303 - 0.25] \times 1 = 34\%$                           | 4,930 SQ. FT.                                         |
| Area Increase due to Sprinklers: 200%                                                        | 29,000 SQ. FT.                                        |
| ALLOWABLE AREA PER FLOOR:                                                                    | 48,430 SQ. FT.                                        |
| ALLOWABLE BUILDING AREA:                                                                     | 48,430 x 3 = 145,290 SQ. FT.                          |
| <b>ACTUAL Area of Building 1 – 1<sup>st</sup> Floor</b>                                      | <b>34,252 SQ. FT.</b> (18,334 SQ. FT. ADDITION)       |
|                                                                                              | (16,047 SQ. FT. EXISTING)                             |
| <b>ACTUAL Area of Building 1 – 2<sup>nd</sup> Floor</b>                                      | <b>1,936 SQ. FT.</b> (1,936 SQ. FT. ADDITION)         |
| <b>ACTUAL Building Area of Building 1</b>                                                    | <b>36,188 SQ. FT.</b>                                 |
| <b>Building 2</b>                                                                            |                                                       |
| Allowable Tabular Area [Table 503]:                                                          | 14,500 SQ. FT.                                        |
| Area Increase due to Frontage: $[496/1036 - 0.25] \times 1 = 22.88\%$                        | 3,318 SQ. FT.                                         |
| Area Increase due to Sprinklers: 200%                                                        | 29,000 SQ. FT.                                        |
| ALLOWABLE AREA PER FLOOR:                                                                    | 46,818 SQ. FT.                                        |
| ALLOWABLE BUILDING AREA:                                                                     | 46,818 x 3 = 140,454 SQ. FT.                          |
| <b>ACTUAL Area of Building 2 – 1<sup>st</sup> Floor</b>                                      | <b>43,900 SQ. FT.</b> (40,430 SQ. FT. EXISTING)       |
| <b>ACTUAL Area of Building 2 – 2<sup>nd</sup> Floor</b>                                      | <b>43,900 SQ. FT.</b> (47,240 SQ. FT. EXISTING)       |
| <b>ACTUAL Building Area of Building 2</b>                                                    | <b>87,800 SQ. FT.</b> (87,670 SQ. FT. EXISTING)       |
| <b>Building 3</b>                                                                            |                                                       |
| Allowable Tabular Area [Table 503]:                                                          | 14,500 SQ. FT.                                        |
| Area Increase due to Frontage: $[327/569 - 0.25] \times 1 = 32.47\%$                         | 4,708 SQ. FT.                                         |
| Area Increase due to Sprinklers: 200%                                                        | 29,000 SQ. FT.                                        |
| ALLOWABLE AREA PER FLOOR:                                                                    | 48,208 SQ. FT.                                        |
| ALLOWABLE BUILDING AREA:                                                                     | 48,208 x 3 = 144,624 SQ. FT.                          |
| <b>ACTUAL Area of Building 3 – 1<sup>st</sup> Floor</b>                                      | <b>11,032 SQ. FT.</b> (11,033 SQ. FT. EXISTING)       |
| <b>ACTUAL Area of Building 3 – 2<sup>nd</sup> Floor</b>                                      | <b>9,250 SQ. FT.</b> (9,250 SQ. FT. EXISTING)         |
| <b>ACTUAL Building Area of Building 3</b>                                                    | <b>20,282 SQ. FT.</b> (20,283 SQ. FT. EXISTING)       |
| <b>Exit Access Distance</b>                                                                  |                                                       |
| 250 feet (Table 1016.1) Fully Sprinkled                                                      |                                                       |



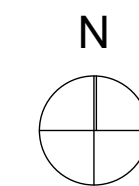
PROPOSED FIRST FLOOR PLAN

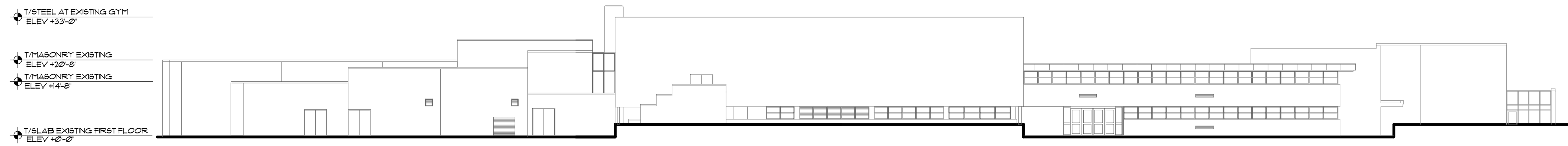
1 PROPOSED FIRST FLOOR PLAN  
SCALE: 1" = 20'



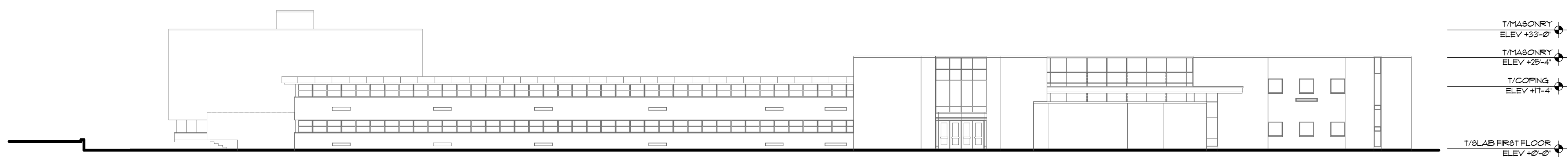
PROPOSED SECOND FLOOR PLAN

1 PROPOSED SECOND FLOOR PLAN  
SCALE: 1" = 20'

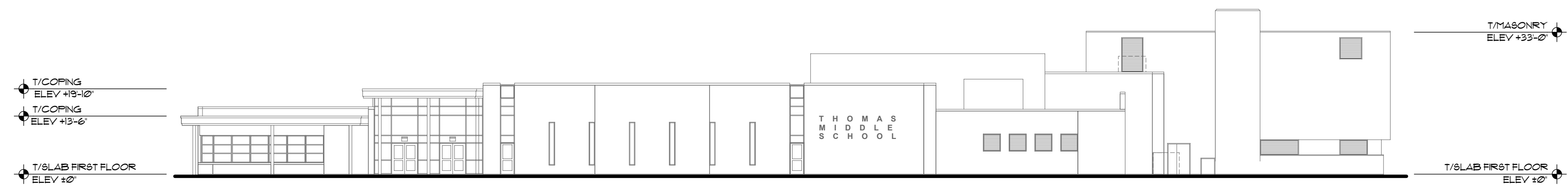




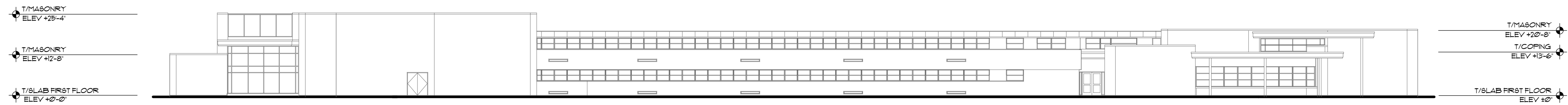
4 NORTH ELEVATION - THOMAS STREET  
SCALE: 1" = 20'



3 WEST ELEVATION - NORTH ARLINGTON HEIGHTS ROAD  
SCALE: 1" = 20'

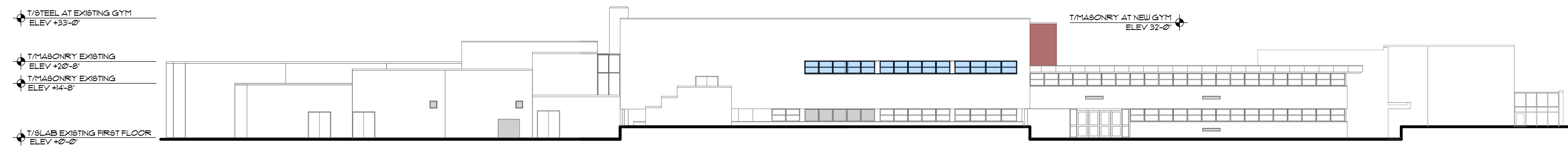


2 EAST ELEVATION - NORTH BELMONT STREET  
SCALE: 1" = 20'

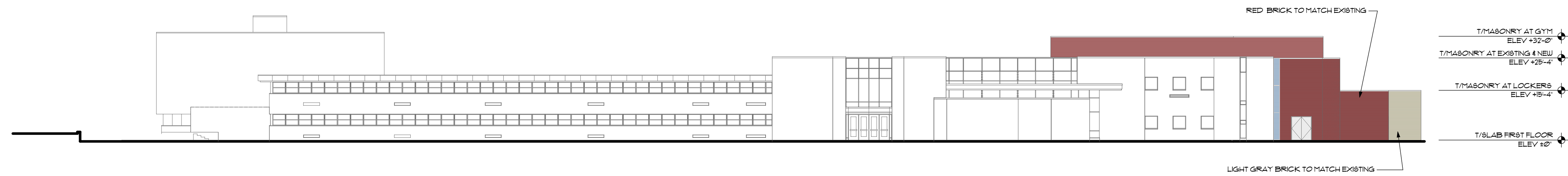


1 SOUTH ELEVATION  
SCALE: 1" = 20'

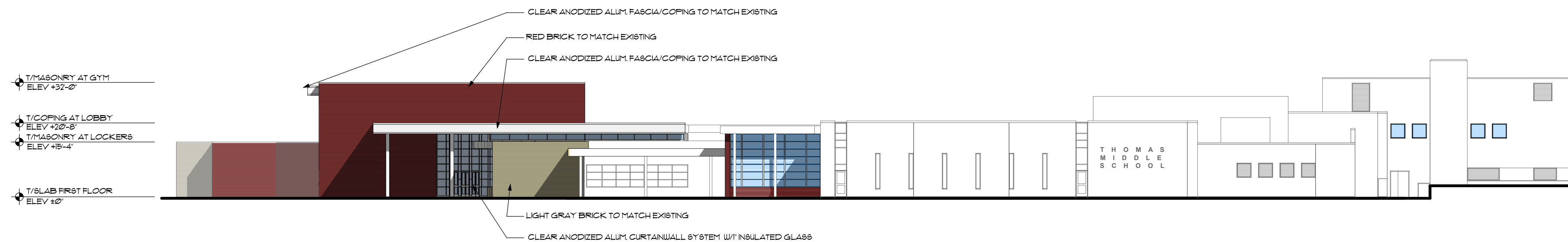
## EXISTING BUILDING ELEVATIONS



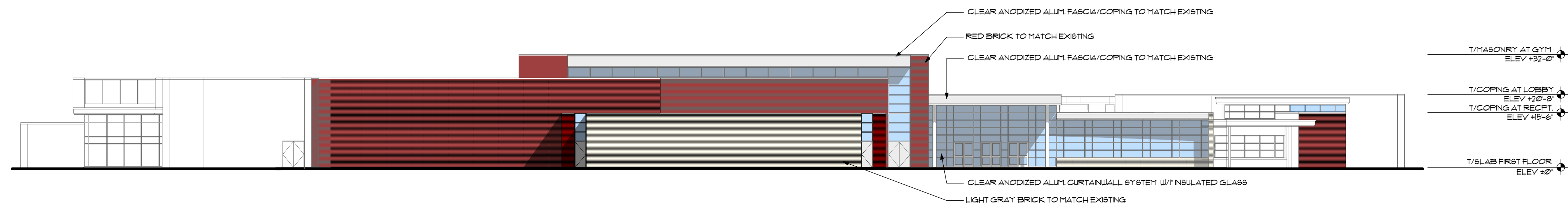
4 NORTH ELEVATION - THOMAS STREET  
SCALE: 1" = 20'



3 WEST ELEVATION - NORTH ARLINGTON HEIGHTS ROAD  
SCALE: 1" = 20'

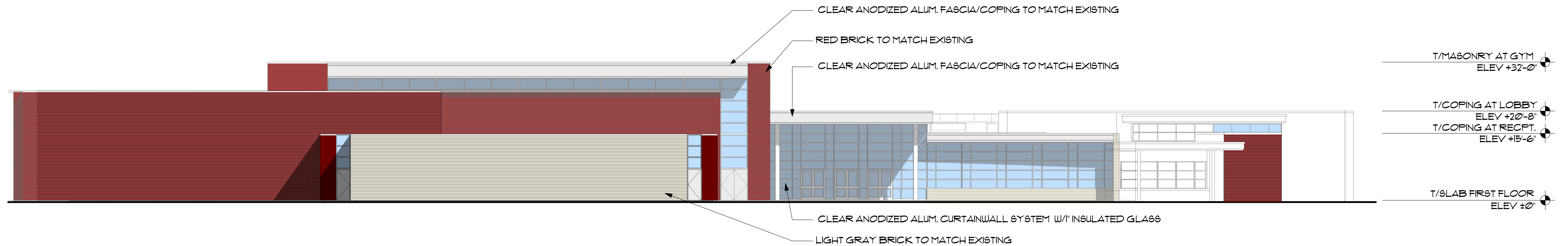


2 EAST ELEVATION - NORTH BELMONT STREET  
SCALE: 1" = 20'

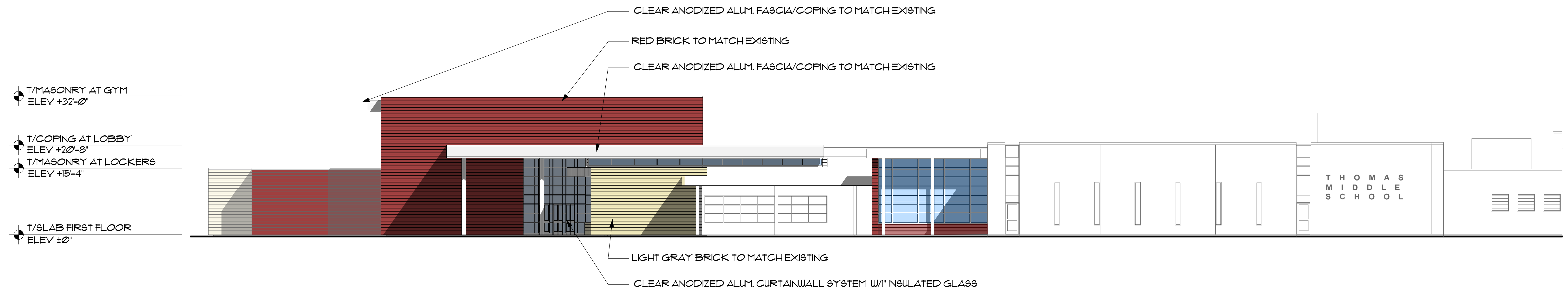


1 SOUTH ELEVATION  
SCALE: 1" = 20'

## PROPOSED BUILDING ELEVATIONS



1 SOUTH ELEVATION  
SCALE: 3/32" = 1'-0"



2 EAST ELEVATION - NORTH BELMONT STREET  
SCALE: 3/32" = 1'-0"

## COLOR RENDERING