Roof at a Glance

Public school building • multi-level low-slope roof

TOTAL ROOF AREA
54,825 sf
548.2 squares • 6 sections

ROOF LEVELS
+16 to +26 ft
height above adjacent grade (sloping sit

PERIMETER EDGE
1,321 lf
parapet rim detected on 387 lf

WALL TIE-INS
752 lf
low roof to higher wall, 2-8 ft rises

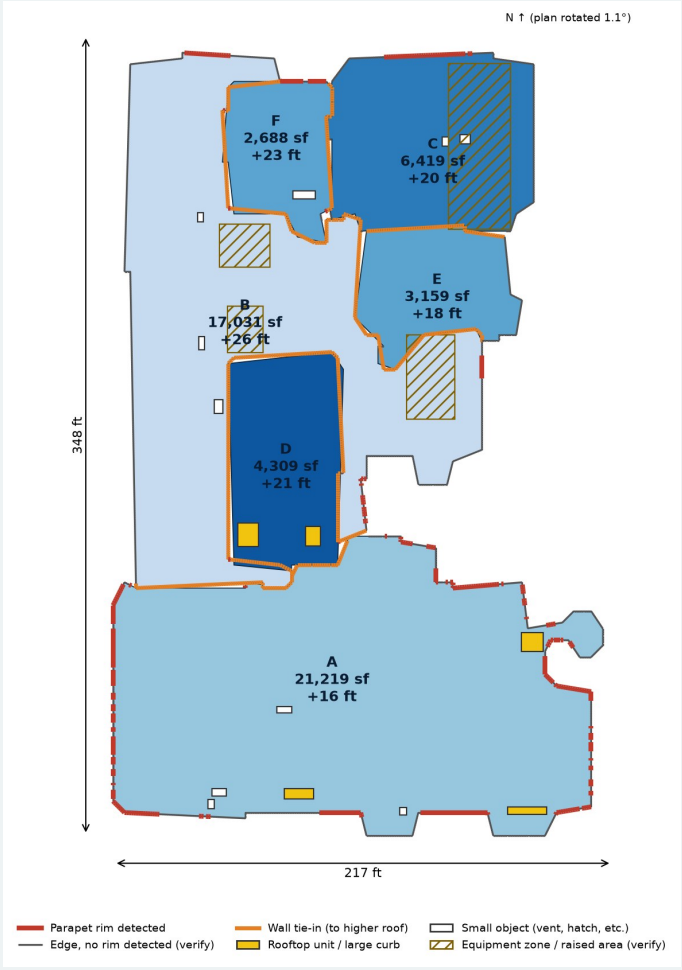
ROOFTOP UNITS / CURBS
5 + 10
large units + small objects (LiDAR)

EXTERIOR WALLS (GROSS)
31,277 sf
perimeter 1,321 lf • incl. 3,642 sf upper w

IMAGERY AGREEMENT
-0.6 to +2.1 %
13 aerials 2002-2025 vs LiDAR outline

ROOF CHANGE SEEN
2017 □ 2021
Sect. A dark → white (re-roof/coat?)

SECTION MAP • PLAN ROTATED TO BUILDING AXIS



AREA BY SECTION

A		21,219 sf
B		17,031 sf
C		6,419 sf
D		4,309 sf
E		3,159 sf
F		2,688 sf

Outline (incl. overhang)	**56,131 sf**
Perimeter edge	**1,321 lf**
Parapet rim / open edge	**387 / 934 lf**
Parapet height (mid 50%)	**1.6-2.0 ft**
Wall tie-ins	**752 lf**
Rooftop units / small objects	**5 + 10**
Exterior walls	**31,277 sf gross**
Imagery agreement	**-0.6 to +2.1%**
Hail within 3 mi	**11 reports, max 1.75 in**

Summary. Six low-slope roof sections totalling about **54,825 sf (548 squares)**, traced from 2015 statewide LiDAR and checked against 13 aerials from 2002-2025. The LiDAR outline still matches the 2025 imagery: no additions or removals since 2015. Section A (south classroom wing) is crowned and drains to its north and south edges; the other sections read close to flat, so internal drains are likely (not visible from above). Section A changed from a dark surface (2017) to a white surface (2021), which suggests a re-roof or coating in that window.

CROSSCHECK ROOF REPORTS

COMMERCIAL LOW-SLOPE ROOF TAKEOFF

SAMPLE

SITE
Durham, North Carolina
Public elementary school
Public data only

OWNER OF RECORD
Public school (owner withheld)

REPORT DATE
October 9, 2026

MEASUREMENT BASIS
2015 NC QL2 LiDAR
22 images, 2002-2025
cross-checked to LiDAR
No street-level photos

REPORT ID
CC-S-0001

SHEETS

CC-01 Roof at a Glance
CC-02 Roof Plan
CC-03 Section & Equipment
CC-04 Parapets & Edges
CC-05 Materials Takeoff
CC-06 Extended Metrics
CC-07 Height Profile & 3D
CC-08 Exterior Walls
CC-09 Imagery Cross-check
CC-10 Imagery Change Review
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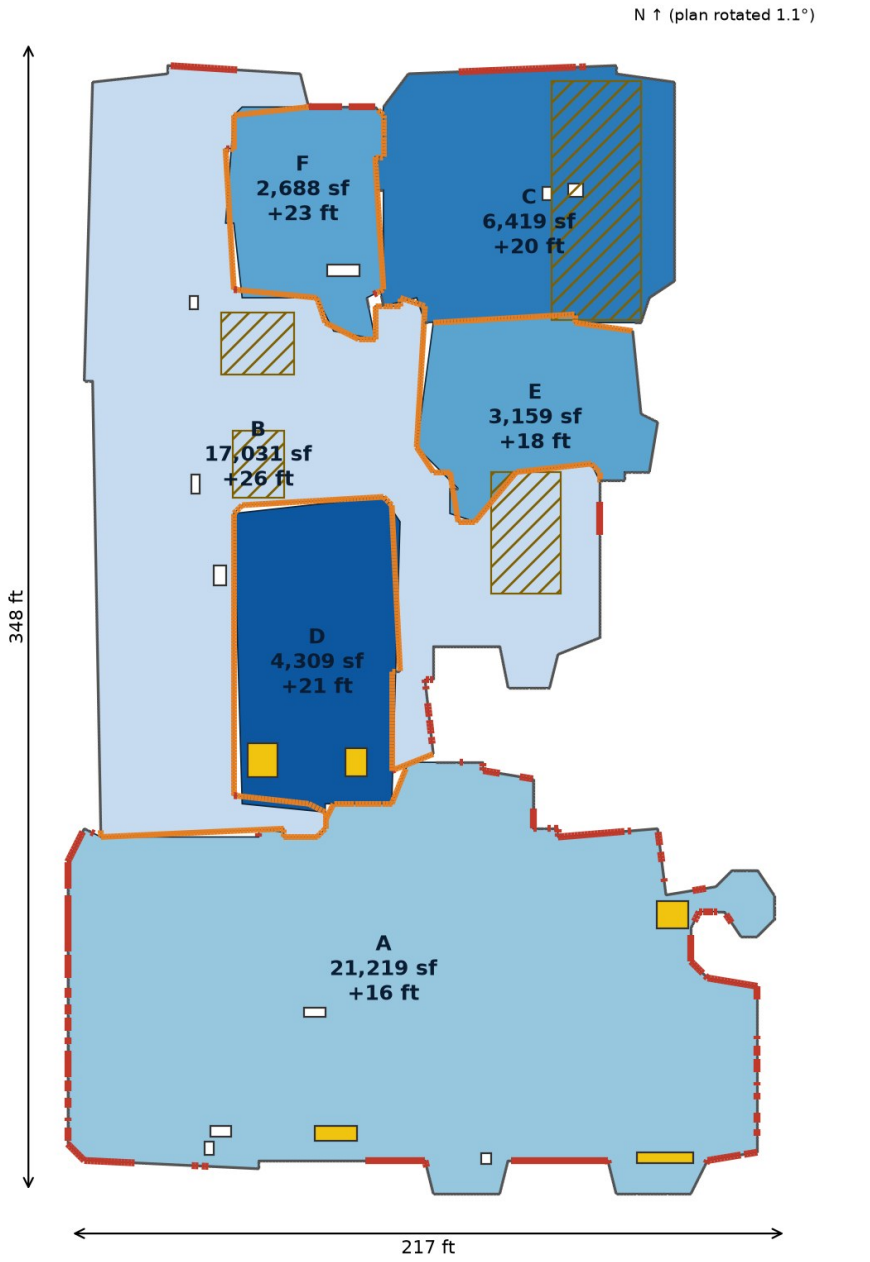
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Roof Plan

Roof fields, parapets, wall tie-ins and rooftop objects • lengths in feet



Line	Length lf
Perimeter edge (all)	1,321
with parapet rim	387
open edge (no rim)	934
Wall tie-ins (low roof to higher wall)	752
A → D	33 lf, rise ~6.0 ft
B → A	89 lf, rise ~1.9 ft
B → F	133 lf, rise ~3.9 ft
B → C	19 lf, rise ~6.1 ft
B → E	119 lf, rise ~3.9 ft
B → D	240 lf, rise ~7.9 ft
E → C	61 lf, rise ~2.2 ft
F → C	58 lf, rise ~2.2 ft

How to read this plan

Each fill is one roof level (darker = higher). Labels give the field area and the roof height above adjacent grade. Red edges are where LiDAR shows a parapet rim rising above the roof field; grey edges had no rim returns and may be open edges (gravel stop / drip edge) or low parapets that QL2 LiDAR missed. Orange lines are wall tie-ins where a roof meets a higher wall.

Parapet rims where detected read **1.6-2.0 ft** (middle 50%) above the roof field. QL2 LiDAR tends to read narrow copings low, so treat these as minimums.

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Section & Equipment Schedules

One row per roof section and per detected rooftop object

Sect.	Description	Field area	Squares	Roof elev.	Height	Slope	Edge lf	Parapet lf	Open lf	Tie-in lf	LiDAR pts
A	South classroom wing (crowned)	21,219 sf	212.2	352.9 ft	+16 ft	0.04 in/ft	604	282	322	33	3,986
B		17,031 sf	170.3	351.0 ft	+26 ft	0.02 in/ft	454	49	405	600	2,796
C		6,419 sf	64.2	357.2 ft	+20 ft	0.53 in/ft	176	37	139	0	1,045
D		4,309 sf	43.1	359.0 ft	+21 ft	0.02 in/ft	0	0	0	0	716
E		3,159 sf	31.6	354.9 ft	+18 ft	0.02 in/ft	62	0	62	61	486
F		2,688 sf	26.9	355.0 ft	+24 ft	0.01 in/ft	25	19	6	58	382
Total		**54,825 sf**	**548.2**				**1,321**	**387**	**934**	**752**	

ROOFTOP OBJECTS FROM LIDAR (UNITS, CURBS, EQUIPMENT ZONES)

#	Section	Size (ft)	Height	Class
1	C	3 x 4	2.1 ft	small unit / curb / vent
2	C	4 x 4	1.8 ft	small unit / curb / vent
3	C	27 x 72	2.7 ft	large unit / zone
4	D	9 x 10	4.4 ft	large unit / zone
5	D	6 x 8	3.7 ft	small unit / curb / vent
6	B	21 x 37	6.3 ft	large unit / zone
7	B	4 x 6	2.7 ft	small unit / curb / vent
8	B	3 x 6	3.3 ft	small unit / curb / vent
9	B	15 x 20	6.2 ft	large unit / zone
10	F	10 x 4	3.9 ft	small unit / curb / vent
11	B	3 x 4	4.5 ft	small unit / curb / vent
12	B	22 x 19	6.3 ft	large unit / zone
13	A	10 x 8	5.9 ft	large unit / zone
14	A	17 x 3	2.0 ft	small unit / curb / vent
15	A	3 x 3	1.9 ft	small unit / curb / vent
16	A	6 x 3	3.9 ft	small unit / curb / vent
17	A	3 x 4	1.8 ft	small unit / curb / vent
18	A	6 x 3	1.7 ft	small unit / curb / vent
19	A	13 x 4	1.8 ft	small unit / curb / vent

Notes

Footprints from LiDAR clusters; real curb sizes are usually smaller than the cluster. The 2021-2025 aerials show more small units on section C than QL2 LiDAR can separate.

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Parapets & Edges

Every roof-field edge, typed from LiDAR rim returns and section heights

Sect.	Edge type	Side	Adjacent	Length	Rim / rise
A	Open edge	S	—	116 lf	—
A	Open edge	E	—	100 lf	—
A	Open edge	W	—	53 lf	—
A	Open edge	N	—	53 lf	—
A	Parapet	S	—	92 lf	1.9 ft rim
A	Parapet	W	—	80 lf	1.7 ft rim
A	Parapet	N	—	60 lf	1.7 ft rim
A	Parapet	E	—	50 lf	1.9 ft rim
A	Step-down (to lower roof)	N	B	74 lf	1.9 ft rise
A	Step-down (to lower roof)	W	B	9 lf	1.9 ft rise
A	Wall tie-in (up to higher wall)	N	D	17 lf	6.0 ft rise
A	Wall tie-in (up to higher wall)	W	D	16 lf	6.0 ft rise
B	Open edge	W	—	239 lf	—
B	Open edge	E	—	76 lf	—
B	Open edge	S	—	47 lf	—
B	Open edge	N	—	43 lf	—
B	Parapet	E	—	23 lf	1.4 ft rim
B	Parapet	N	—	22 lf	1.8 ft rim
B	Parapet	S	—	4 lf	2.1 ft rim
B	Wall tie-in (up to higher wall)	E	D	88 lf	7.9 ft rise
B	Wall tie-in (up to higher wall)	W	D	80 lf	7.9 ft rise
B	Wall tie-in (up to higher wall)	S	A	77 lf	1.9 ft rise
B	Wall tie-in (up to higher wall)	E	E	65 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	E	F	59 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	S	D	45 lf	7.9 ft rise
B	Wall tie-in (up to higher wall)	N	F	41 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	N	E	35 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	N	D	27 lf	7.9 ft rise
B	Wall tie-in (up to higher wall)	S	F	23 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	W	E	19 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	N	C	13 lf	6.1 ft rise
B	Wall tie-in (up to higher wall)	W	F	10 lf	3.9 ft rise
B	Wall tie-in (up to higher wall)	E	A	8 lf	1.9 ft rise
B	Wall tie-in (up to higher wall)	W	A	4 lf	1.9 ft rise
B	Wall tie-in (up to higher wall)	E	C	4 lf	6.1 ft rise
C	Open edge	E	—	69 lf	—
C	Open edge	N	—	42 lf	—
C	Open edge	W	—	15 lf	—
C	Open edge	S	—	13 lf	—
C	Parapet	N	—	37 lf	1.4 ft rim
C	Step-down (to lower roof)	S	E	62 lf	2.2 ft rise
C	Step-down (to lower roof)	W	F	57 lf	2.2 ft rise
C	Step-down (to lower roof)	S	B	10 lf	6.1 ft rise
C	Step-down (to lower roof)	W	B	7 lf	6.1 ft rise
	other runs (23)			734 lf	

PARAPETS BY SECTION

Section	Parapet lf	Height (median)	Open edge lf
A	282	1.9 ft	322
B	49	1.8 ft	405
C	37	1.4 ft	139
D	0	—	0
E	0	—	62
F	19	3.1 ft	6

How parapets are found

At each 1 ft station along the roof-field edge, LiDAR returns 0-3 ft outside the edge are compared with the field height. A rim of 0.6 ft or more with at least 2 returns is typed Parapet; otherwise Open edge (gutter or edge metal likely). Tie-ins are edges that meet a higher section; step-downs are the same joints seen from the higher side (do not add both).

Limits

Parapet heights from QL2 LiDAR are minimums: narrow copings are often missed. Middle 50% of detected rims: 1.6-2.0 ft. Measure parapet height and coping width on site.

CROSSCHECK ROOF REPORTS

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Materials Takeoff

Low-slope quantities for estimating • guidance only, verify before ordering

Takeoff item	Quantity	Status	Basis
Roof field (all sections)	54,825 sf	Include	LiDAR fields traced inside edges
Perimeter edge metal / coping	1,321 lf	Include	Perimeter stations, 1 ft
of which parapet (coping)	387 lf	Estimate	Rim returns 0.6-8 ft above field
Parapet inside face	~709 sf	Estimate	lf x median rim height (min.)
Wall tie-in flashing	752 lf	Include	Section boundaries with >1 ft rise
Tie-in wall area (to 8 ft)	~3,624 sf	Estimate	lf x LiDAR level difference, capped
Rooftop units / large curbs	5	Estimate	LiDAR clusters 40-300 sf, >1.5 ft tall
Small objects (vents, hatches)	10+	Estimate	Clusters <40 sf; small pipes missed
Equipment zones	4	Verify	Dense or raised areas; count on site
Drains / scuppers	-	Exclude	Not visible in public data; verify
Membrane type / layers / insulation	-	Exclude	Not determinable from aerial data

MEMBRANE WASTE

Waste %	Squares
0%	548.2
5%	575.7
8%	592.1
10%	**603.1**
12%	614.0
15%	630.5

SUGGESTED ORDER

603.1 sq

membrane incl. ~10% waste

Suggested waste ~10%: 5% base + ~2% for 19 rooftop objects + 2.5% for 5 extra sections.
Parapet and tie-in wall areas are minimums (QL2 LiDAR reads narrow copings low). Count drains, scuppers and penetrations on site.

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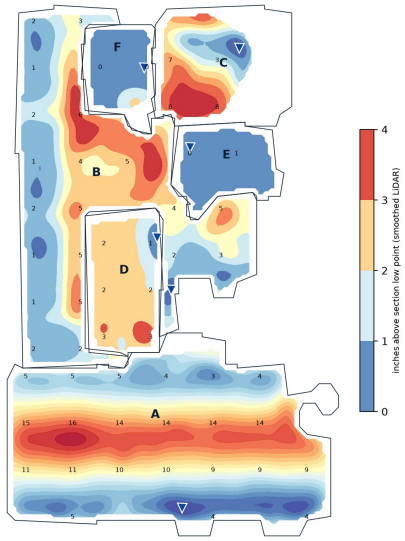
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Extended Metrics

Industry-report items beyond the low-slope takeoff • each tagged Include / Estimate / Exclude

Item	Value	Status	Basis
Outline area (LiDAR)	56,131 sf	Include	roof outline incl. edges and small attached roofs
Small attached roofs	~596 sf plan	Estimate	entry hip roof + north low roof; not in field area
Outline perimeter	1,367 lf	Include	LiDAR outline
Coping / parapet cap	387 lf	Estimate	= parapet rim length
Edge metal at open edges	934 lf	Estimate	= open edge length
Wall flashing at tie-ins	752 lf	Include	tie-in length
Upper walls at tie-ins	3,642 sf	Include	tie-in lf x rise
Roof heights	+16 to +26 ft	Include	section planes
Grade range	325-338 ft	Include	sloping site, NAVD88
Crown on A	~14-16 in	Estimate	smoothed LiDAR
Rooftop units / curbs	5 + 10	Estimate	LiDAR clusters
Equipment zones	4	Estimate	count on site
Gross leasable area	60,112 sf	Include	county record
Drains / scuppers	—	Exclude	not visible; verify
Skylights / hatches	—	Exclude	verify on site
Membrane type / layers	—	Exclude	core cut needed
Insulation / deck	—	Exclude	core cut needed

SLOPE-TO-DRAIN MAP (SMOOTHED LIDAR ROOF SURFACE)



Roof-field LiDAR returns for each section, smoothed and shown as inches above that section's lowest point. Triangles mark each section's lowest area. Numbers are spot elevations on a 30 ft grid (inches above the section low point) and can serve as a starting grid for a tapered insulation layout.

A has a clear crown along its long axis, about 14-16 in above its north and south edges over ~60 ft (≈1/4 in/ft). That fits a roof sloped to edge gutters or scuppers on both long sides.

B, D, E, F vary by 1-7 in across the section, which is close to the LiDAR noise for this data. These are likely dead-flat or slightly sloped to interior drains. Expect ponding risk; plan crickets and tapered insulation from a field survey.

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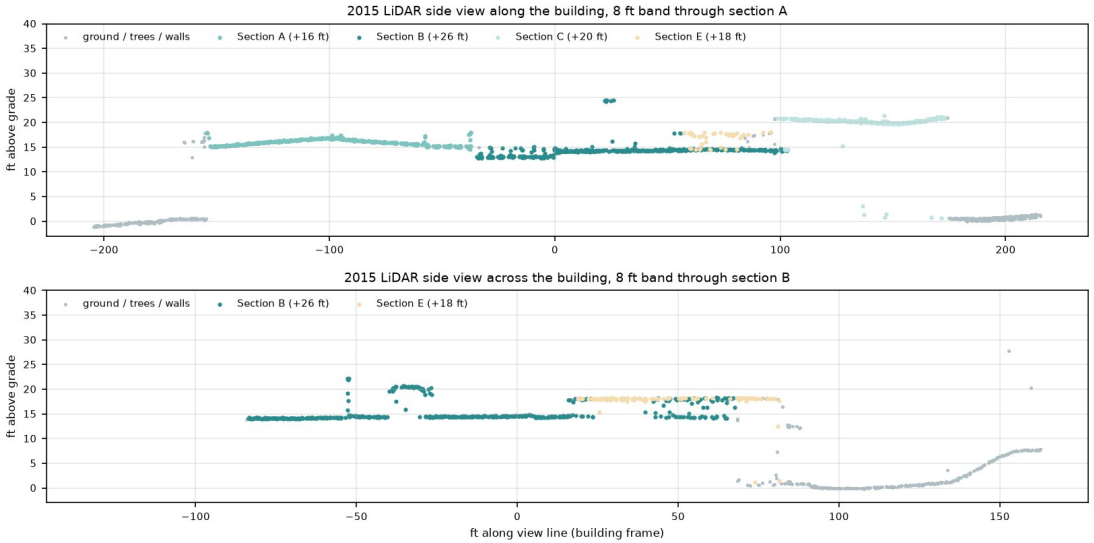
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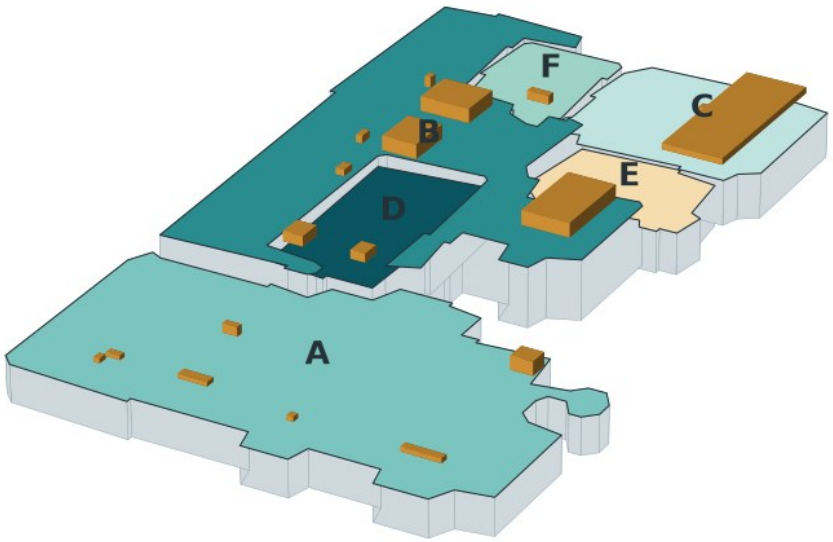
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Height Profile & 3D

2015 NC LiDAR side views through the building, and a 3D block model of the same data





Sect.	Height	Roof elev.	Grade	Slope
A	+16.1 ft	352.9	336.8	0.04 in/ft
B	+26.0 ft	351.0	325.0	0.02 in/ft
C	+19.8 ft	357.2	337.3	0.53 in/ft
D	+21.3 ft	359.0	337.7	0.02 in/ft
E	+18.1 ft	354.9	336.8	0.02 in/ft
F	+23.5 ft	355.0	331.5	0.01 in/ft

Heights are roof field (plane fit) minus the median ground return around each section; elevations are NAVD88 ft. The block model extrudes each traced section to its height; rooftop objects are shown in gold. Rises between levels are the wall tie-in heights on CC-04.

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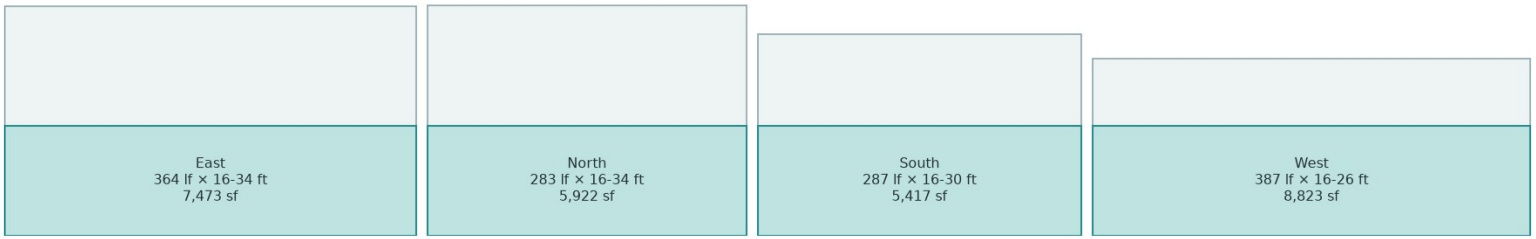
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Exterior Walls

Outer face, grade to roof edge (parapet top where detected) • LiDAR heights



Side	Length lf	Height range	Gross sf	Openings	Net sf	Material
East	364	16.1-33.7 ft	7,473	verify on site	—	verify on site
North	283	16.1-33.9 ft	5,922	verify on site	—	verify on site
South	287	16.1-29.6 ft	5,417	verify on site	—	verify on site
West	387	16.1-26.0 ft	8,823	verify on site	—	verify on site
Upper walls at tie-ins	752	rise per tie-in	3,642			
Total	**1,321**		**31,277**			

Walls were walked around the LiDAR roof outline at 1 ft steps (same method as the low-slope workflow). Height = roof field (plus parapet rim where detected) minus the median ground return around each section; the site slopes, so grade runs 325-338 ft. Upper walls where a low roof meets a higher wall add 3,642 sf over 752 lf. Confidence Medium (±8%).

No street-level photos were used (Mapillary token not set; no Google imagery), so openings (windows, doors, storefront) and wall materials are verify on site and net area is not given.

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Public data only

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Public school (owner withheld)

REPORT DATE
October 9, 2026

MEASUREMENT BASIS
2015 NC QL2 LiDAR
22 images, 2002-2025
cross-checked to LiDAR
No street-level photos

REPORT ID
CC-S-0001

SHEETS

CC-01 Roof at a Glance
CC-02 Roof Plan
CC-03 Section & Equipment
CC-04 Parapets & Edges
CC-05 Materials Takeoff
CC-06 Extended Metrics
CC-07 Height Profile & 3D
CC-08 Exterior Walls
CC-09 Imagery Cross-check
CC-10 Imagery Change Review
CC-11 Property, Weather & Code
CC-12 Metric Coverage
CC-13 Sources & Confidence

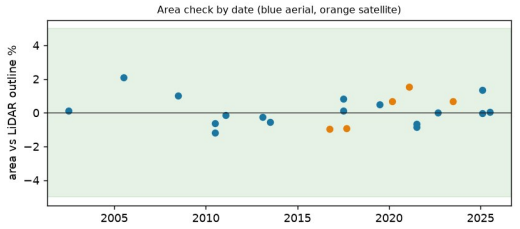
SHEET
CC-08
8 of 13
Estimate from public data. Verify on site.

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Imagery Cross-check

15 images, 3 programs, each registered to the LiDAR outline and re-traced

Source	Date	Kind	Shift ft	Edges res.	Med. off	Area Δ
Durham Co.	2002	aerial	5.9	77%	2.2 ft	+0.1%
Durham Co.	2005	aerial	3.6	100%	0.8 ft	+2.1%
Durham Co.	2008	aerial	2.3	69%	3.2 ft	+1.0%
Durham Co.	2010	aerial	5.0	82%	1.0 ft	-0.6%
Durham Co.	2013	aerial	3.5	99%	0.8 ft	-0.5%
Durham Co.	2017	aerial	2.4	100%	1.5 ft	+0.8%
Durham Co.	2019	aerial	3.3	100%	2.0 ft	+0.5%
Durham Co.	2021	aerial	0.5	100%	0.8 ft	-0.6%
Durham Co.	2025	aerial	1.0	100%	0.8 ft	+0.0%
NC OneMap	2010	aerial	5.0	96%	0.8 ft	-1.2%
NC OneMap	2013-02-01	aerial	3.5	99%	0.8 ft	-0.3%
NC OneMap	2017 (2016	aerial	0.6	99%	0.6 ft	+0.1%
NC OneMap	2021 (2020	aerial	0.5	100%	0.8 ft	-0.8%
NC OneMap	2025-02-14	aerial	1.0	100%	0.8 ft	-0.0%
NAIP	2022-09-14	aerial	1.8	68%	0.9 ft	+0.0%



How it is checked

Each image is shifted to best match the brightness step along the LiDAR outline, then every edge 10 ft or longer is re-traced at the strongest step within ±5 ft. Weak edges stay unresolved. Area Δ compares the re-traced outline with the LiDAR outline. Leaning satellite captures are kept out of the agreement range.

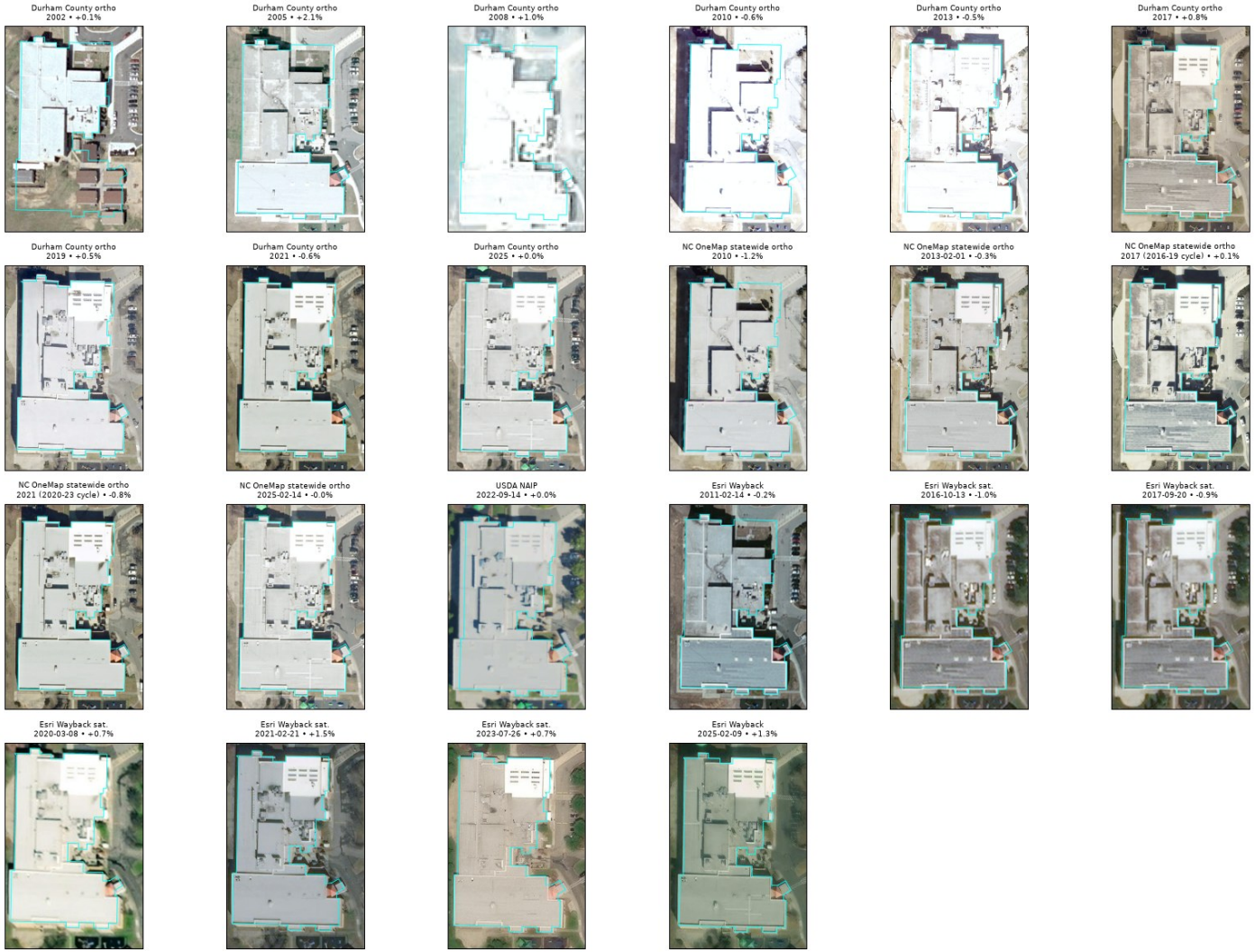
Result

13 independent aerials 2002-2025 (Durham County, NC OneMap, NAIP aerial captures) match the LiDAR outline within **-0.6% to +2.1%** by area. Satellite captures (leaning) fall within -1.0% to +1.5% and are kept out of the range. Duplicate statewide flights are counted once.

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Imagery Change Review

Same roof, every image date • cyan = LiDAR outline shifted onto each image



Building outline: the building is present in every image from 2002 to 2025, and the LiDAR outline fits each one. No additions or demolitions found.
Section A reads dark grey in 2017 and white in 2021 and 2025. That suggests a re-roof or reflective coating between 2017 and 2021. Ask the owner for records before relying on it.
The north sections already show a white surface in 2013. The equipment rows on C are visible from 2013 on.
Roof age is stated only when imagery shows a surface change.

CROSSCHECK ROOF REPORTS

COMMERCIAL LOW-SLOPE ROOF TAKEOFF

SAMPLE

SITE
Durham, North Carolina
Public elementary school
Public data only

OWNER OF RECORD
Public school (owner withheld)

REPORT DATE
October 9, 2026

MEASUREMENT BASIS
2015 NC QL2 LiDAR
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Property, Weather & Code

Public records for the site • storm reports are not damage findings

Item	Value
Address	Durham, North Carolina
Owner of record	Public school (owner withheld)
Land class / zoning	CMNTY SVC/ SCHOOL / RU-5,RU-5(2)
Gross leasable area	60,112 sf (county)
Building value	$6,909,282 assessed
FEMA flood zone	Zone X (area of minimal flood hazard), FIRM panel 3720083000K, effective 2018-10-19
Code	NC Building Code (commercial); confirm edition for any re-roof with Durham City-County Inspections
Design wind speed	~115 mph (ASCE 7, Risk Cat. II; schools may be Cat. III) - Estimate, confirm with ASCE Hazard Tool / AHJ

Reports 2006-2026	1 mi	3 mi	10 mi	max 3 mi
Hail	1	11	78	1.75 in
Damaging wind	1	45	213	50 kt

HAIL REPORTS WITHIN 3 MI

Date	Size	Distance
2008-03-04	0.75 in	2.4 mi
2008-05-20	0.75 in	2.1 mi
2008-05-31	1.75 in	2.1 mi
2008-07-04	0.88 in	2.9 mi
2011-05-14	1.00 in	2.1 mi
2011-05-14	1.00 in	2.7 mi
2011-05-27	1.00 in	2.0 mi
2011-05-27	1.25 in	2.7 mi
2012-03-24	1.25 in	1.9 mi
2016-06-29	1.00 in	0.7 mi
2022-10-17	0.75 in	2.9 mi

Hail of 1 in or larger within 3 mi: 2008-05-31 1.75 in at 2.1 mi; 2011-05-14 1.0 in at 2.1 mi; 2011-05-14 1.0 in at 2.7 mi; 2011-05-27 1.0 in at 2.0 mi; 2011-05-27 1.25 in at 2.7 mi; 2012-03-24 1.25 in at 1.9 mi; 2016-06-29 1.0 in at 0.7 mi.
Sources: NOAA SPC storm reports (2006-2025) and NCEI Storm Events (2026 to date). Storm reports are point observations and do not mean this roof was damaged.

CROSSCHECK ROOF REPORTS

COMMERCIAL LOW-SLOPE ROOF TAKEOFF

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Metric Coverage

Every metric a report could carry, and whether this report provides it from public data

Metric	Status	Value / reason
Roof field areas by section	Include	High: about ±3% where returns are dense
Section heights & level changes	Include	High: LiDAR, ±0.5 ft
Perimeter & tie-in lengths	Include	High: ±2%
Parapet heights	Estimate	Medium: QL2 reads low, verify
Rooftop units & curbs	Estimate	Medium: large units found; small pipes missed
Drainage pattern / low points	Estimate	Medium on A, Low on flat sections
Roof surface change / age	Estimate	Medium: from dated imagery only
Drains, scuppers, gutters	Exclude	Not visible in public data
Membrane type, layers, insulation, deck	Exclude	Not determinable from above
Moisture, seams, flashing condition	Exclude	Needs a site inspection
Structural capacity (e.g. solar)	Exclude	Needs an engineer

Metric	Status	Value / reason
Exterior wall areas by side	Include	31,277 sf gross, ±8%
Wall openings / materials	Exclude	no street-level photos
Imagery cross-check	Include	13 aerials, -0.6 to +2.1%
Hail / wind history	Include	NOAA SPC + NCEI
Flood zone	Include	FEMA via Durham GIS
Edge schedule / parapets by section	Include	CC-04
Height profile / 3D model	Include	CC-07
CSV, XML, DXF, GeoJSON	Include	sample data zip
Xactimate line-item CSV	Include	suggested selectors + quantities; not ESX
Gutters / downspouts	Exclude	only with photo confirmation
Xactimate ESX	Exclude	CSV offered

11 included • 4 estimated • 7 excluded (verify on site)

CrossCheck Roof Reports • Sample report • Estimates from public aerial imagery and LiDAR; no site visit. Not affiliated with the owner or any measurement vendor or manufacturer.

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Sources & Confidence

What the numbers rest on, and how far to trust each

Item	Confidence	Basis
Roof field areas	High	LiDAR fields, ±3%
Outline	High	13 aerials -0.6 to +2.1%
Section heights	High	±0.5 ft
Perimeter / tie-in lengths	High	±2%
Parapet heights	Medium	QL2 reads low
Rooftop units	Medium	small pipes missed
Drainage pattern	Medium	Low outside section A
Wall areas	Medium	±8%, no openings
Drains, membrane, deck	Low	not in public data

Files delivered with this report

CrossCheck-Sample-Report-Commercial.pdf (this report)
CrossCheck-Sample-Data-Commercial.zip (CSV, XML, DXF, GeoJSON, Xactimate-ready line-item CSV)

Sources

NOAA Digital Coast: 2015 NC Floodplain Mapping Program QL2 LiDAR (dataset 6209), EPT service. NC OneMap orthoimagery (NC 911 Board / NC CGIA). Durham County / City of Durham GIS orthophotos 2008-2025 and parcel data. All are public data. No Google imagery of any kind was used.

Method

Building returns were gridded at 2.5 ft, split into levels by region growing (0.8 ft step), and each level was fitted with a robust plane. Section outlines were traced from the gridded returns and squared to the building axis. Edges were walked in 1 ft stations and typed as perimeter or tie-in by what lies outside them. Parapet rims are returns 0.6-8 ft above the field within 2 ft of the edge. Rooftop objects are clusters more than 1.5 ft above the plane. The outline was then overlaid on each aerial to check fit and look for changes.

Disclaimer

This report is an estimate from public aerial imagery and LiDAR of the dates stated. It is not a survey, engineering, structural or code analysis, and it is not for ordering materials without field verification. Items marked Estimate are based on stated assumptions; items marked Exclude were not determinable. Membrane type, number of layers, insulation, moisture and deck condition cannot be determined from aerial data. Liability is limited to the report fee.

Added for this layout: captures (change review only), USDA NAIP 2022, NOAA SPC / NCEI storm reports, Durham County FEMA flood layer. Street-level photos: none.

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