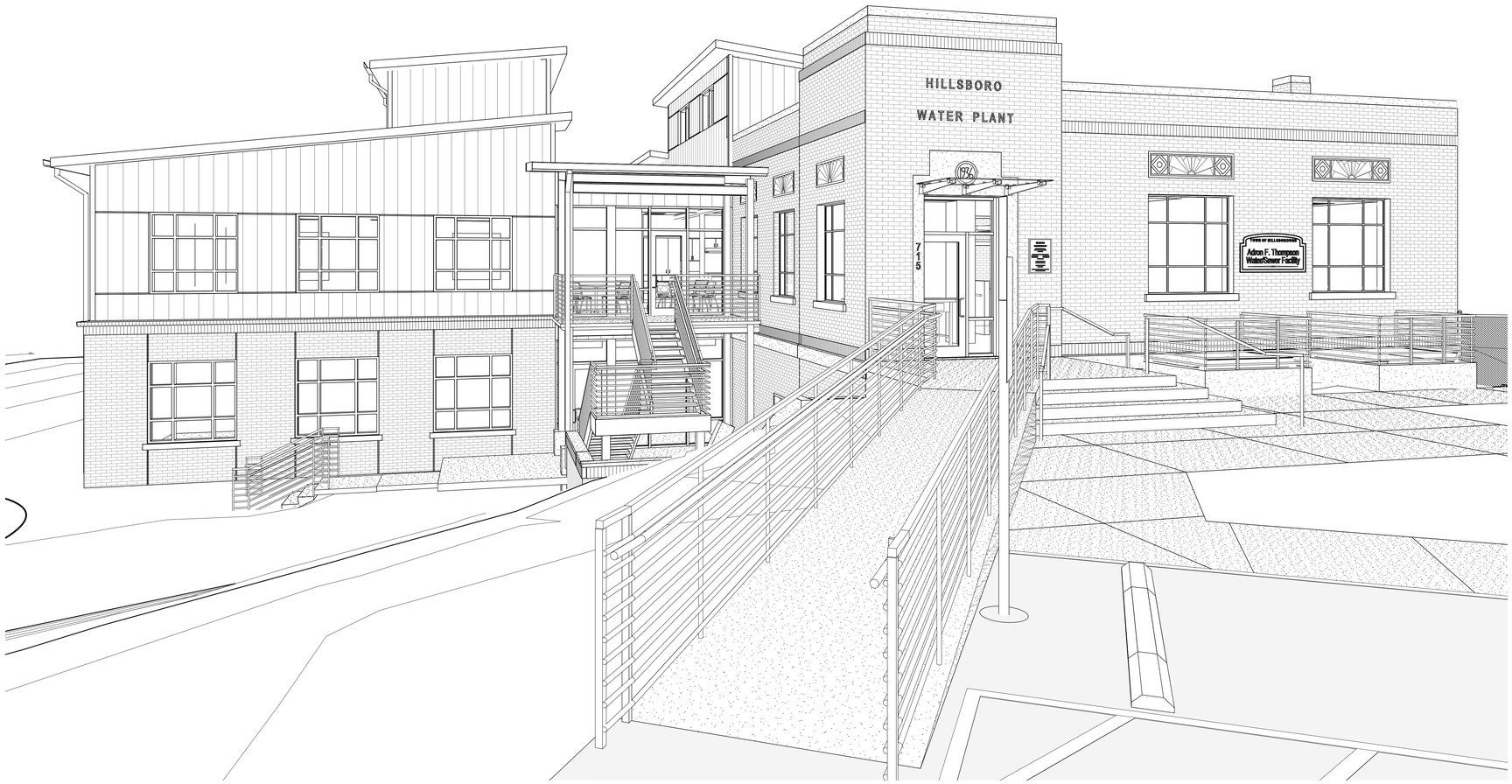
HILLSBOROUGH
NORTH CAROLINA

Town of Hillsborough Adron F. Thompson Addition & Renovation and Vehicle Storage Building

715 Dimmocks Mill Road, Hillsborough, NC 27278



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15	
Grand total: 141	



PROJECT SITE



VICINITY MAP

CONSTRUCTION DOCUMENTS

OWNER:

Town of Hillsborough
101 East Orange St. PO Box 429
Hillsborough, North Carolina 27278
Phone: 919.732.1270

CLIENT:

Town of Hillsborough Utilities Department
105 East Corbin St
Hillsborough, North Carolina 27278
Phone: 919.732.1270

ARCHITECT LEAD DESIGN PROFESSIONAL:

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Phone: 919.490.1266
David B Daniel, AIA
david@RNDarchitects.com

PME ENGINEER:

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1920 Highway 54
Durham, North Carolina 27713
Phone: 919.544.1936

STRUCTURAL ENGINEER:

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PO Box 50967
Durham, North Carolina 27717
Phone: 919.489.0926

CIVIL ENGINEER

Thomas and Hutton
2510 Meridian Pkwy Suite 100
Durham, North Carolina 27713
Phone: 919.682.0368

INTERIOR DESIGNER

Maria Lindqvist Design
380 Ferguson Rd
Siler City, North Carolina 27344
Phone: 919.906.8869

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IN ASSOCIATION WITH:

PROFESSIONAL SEALS:

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

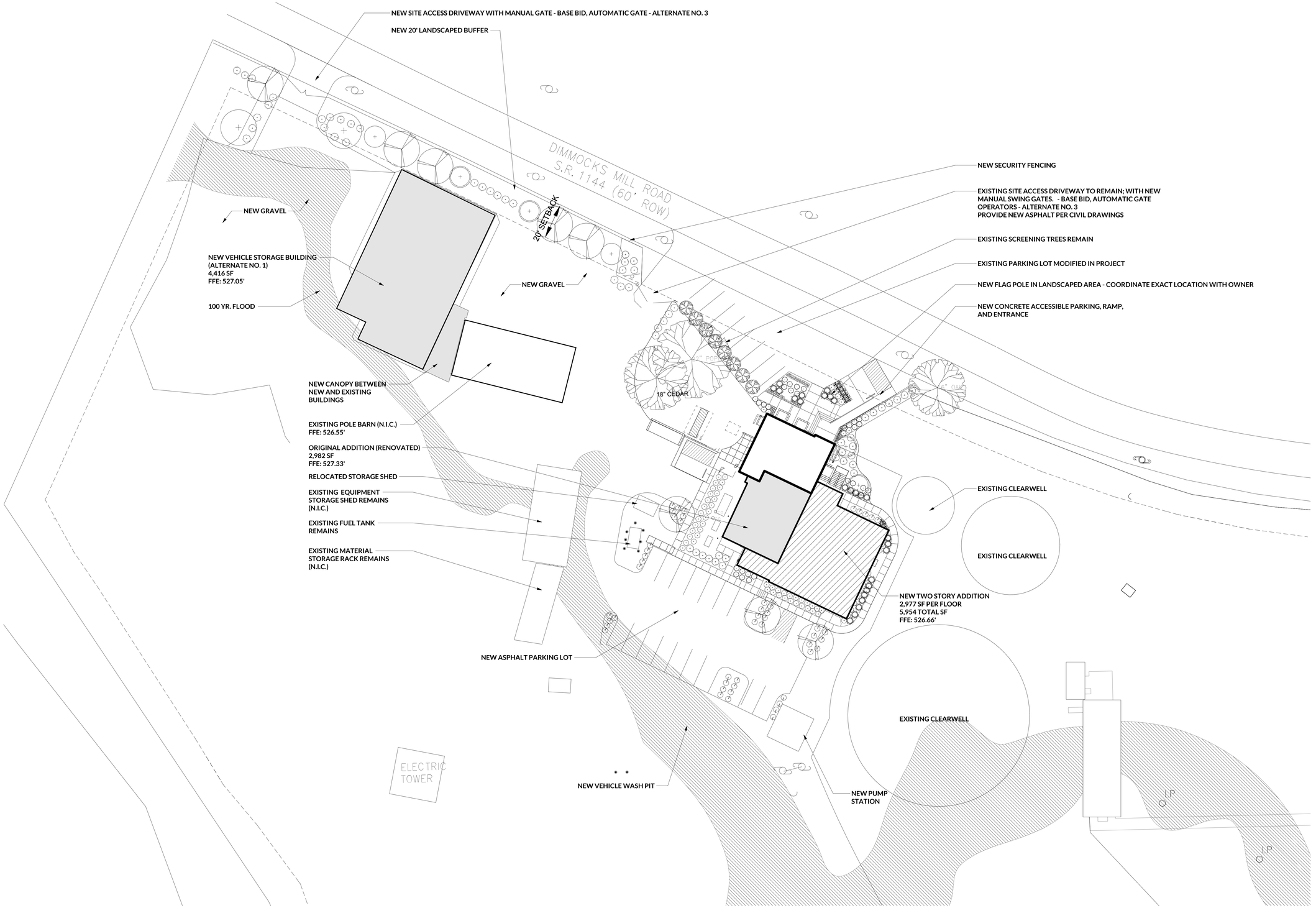
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

COVER SHEET

A001



1 A002 **ARCHITECTURAL REFERENCE SITE PLAN**
3/64" = 1'-0"

PROJECT SCOPE SUMMARY: THIS PROJECT INVOLVES THE RENOVATION AND EXPANSION OF THE EXISTING TOWN OF HILLSBOROUGH WATER TREATMENT FACILITY. THE ORIGINAL BUILDING AND ORIGINAL ADDITION WILL BE RENOVATED AND A NEW ADDITION WILL BE BUILT AS PART OF THE BASE BID . THIS PROJECT ALSO INVOLVES THE CONSTRUCTION OF A NEW STANDALONE METAL BUILDING ON-SITE FOR VEHICLE STORAGE AS AN ALTERNATE. THE SITE WORK OTHER THAN THAT REQUIRED TO CONSTRUCTION THE ALTERNATE VEHICLE STORAGE BUILDING IS ALL PART OF THE BASE BID AND INCLUDES, BUT IS NOT LIMITED TO, MODIFICATIONS TO THE EXISTING PARKING IN FRONT OF THE EXISTING BUILDING, NEW VEGETATIVE BUFFERS ALONG DIMMOCKS MILL RD, A NEW SITE ACCESS DRIVEWAY OFF DIMMOCKS MILL ROAD ON THE WESTERN EDGE OF THE SITE NEAR THE VEHICLE STORAGE BUILDING, NEW STAFF PARKING BEHIND THE WATER TREATMENT FACILITY AS WELL AS A WASTE WATER PUMP STATION AND VEHICLE WASH BASIN.

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CERT. NO. 400
DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North
Not to Scale

REVISIONS

No.	Date	Description

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Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

PROJECT SCOPE SUMMARY PLAN

A002

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Town of Hillsborough Utilities Department Adron F Thompson Improvements
Adron F. Thompson Building Addition and Renovation
Address: 715 Dimmocks Mill Road Zip Code 27278
Owner/Authorized Agent: Town of Hillsborough Utility Department / Bryant Green
Phone # (919) 296 - 9630 E-Mail: Bryant.Green@Hillsboroughnc.gov
Owned By: City
Code Enforcement Jurisdiction: County

CONTACT: David Daniel, AIA RND Architects (919) 490-1266 david@RNDPA.com

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	RND Architects, P.A.	David Daniel, AIA	11381	(919) 646-6925	david@RNDPA.com
Civil	Thomas and Hutton	Chuck Hill, PE	023461	(919) 457-5810	hill.chuck@tandh.com
Electrical	Edmondson Engineers	Dennis Hayes, PE	028869	(919) 544-1936	dennis@edmpa.com
Fire Alarm	Edmondson Engineers	Dennis Hayes, PE	028869	(919) 544-1936	dennis@edmpa.com
Plumbing	Edmondson Engineers	David Tucker, PE	029346	(919) 544-1936	david@edmpa.com
Mechanical	Edmondson Engineers	David Tucker, PE	029346	(919) 544-1936	david@edmpa.com
Sprinkler-Standpipe	N/A	( )		( )	
Structural	Gardner & McDaniel	William Easterling, PE	028335	(919) 489-0926	bill@gmengrs.com
Retaining Walls >5' High	N/A	( )		( )	
Other Interior Design	Maria Lindqvist Design	Maria Lindqvist		(919) 906-8869	maria@marialindqvist.com

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: Addition

2018 NC EXISTING BUILDING CODE: Select one Select one Select one
CONSTRUCTED: (date) 1936 **CURRENT OCCUPANCY(S)** (Ch. 3)**:** Business B / Storage S2
RENOVATED: (date) 2000 **PROPOSED OCCUPANCY(S)** (Ch. 3)**:** No Change

RISK CATEGORY (Table 1604.5)**: Current:** II **Proposed:** II

BASIC BUILDING DATA
Construction Type: V-B
Sprinklers: No N/A
Standpipes: No
Primary Fire District: No **Flood Hazard Area:** No
Special Inspections Required: Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ FT)	RENOVATION (SQ FT)	ADDITION* (SQ FT)	SUB-TOTAL
Level 2 MAIN LEVEL	2,515 SF	2,515 SF	2,797 SF	5,312 SF
Level 1 LOWER LEVEL	2,651 SF	2,160 SF	2,915 SF	5,075 SF
TOTAL	**5,166 SF**	**4,675 SF**	**5,712 SF**	**10,387 SF**

NOTE: TOTALS OF EXISTING + RENOVATION WILL NOT EQUAL AREA OF PROJECT AS SOME AREAS ARE DEMOLISHED AND ADDITION AREA IS LARGER.

***NOTE: INCLUDES COVERED PORCH AND STAIR AREAS**

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: No

Exempt Building: No Provide code or statutory reference:

Climate Zone: 4A

Method of Compliance: Energy Code - Prescriptive
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: Wood Truss Rafers with Roof Sheathing, Rigid Insulation Metal Standing Seam Roof
U-Value of total assembly: U 0.033
R-Value of insulation: R 30 Insulation entirely above roof deck per Table C402.1.3
Skylights in each assembly: N/A No Skylights
U-Value of skylight: N/A No Skylights
total square footage of skylights in each assembly: N/A No Skylights

Exterior Walls (each assembly)
Description of assembly: 2x6 wood stud wall assembly with ½" Wall Sheathing R 5.6, R23.1 Rockwool Batt Cavity insulation and 2" Continuous Rockwool R 8.4 Insulation Brick Veneer or Zinc Metal Panel Siding.
U-Value of total assembly: U 0.031
R-Value of insulation: R 31.5
Openings (windows or doors with glazing) Kawneer TriFab 601Storefront with SunGard SNX 51/23 Glazing
U-Value of assembly: .42
Solar heat gain coefficient: .23
projection factor: .2 for Main Level Windows in Addition
Door R-Values: R 2.0 Storefront Doors Assembly

Walls below grade (each assembly)
Description of assembly: N/A Project Scope does not have Windows Below Grade
U-Value of total assembly: N/A Project Scope does not have Windows Below Grade
R-Value of insulation: N/A Project Scope does not have Windows Below Grade

Floors over unconditioned space (each assembly)
Description of assembly: N/A Project Scope does not have Floors Over Unconditioned Space
U-Value of total assembly: N/A Project Scope does not have Floors Over Unconditioned Space
R-Value of insulation: N/A Project Scope does not have Floors Over Unconditioned Space

Floors slab on grade
Description of assembly: 4" Reinforced (Wire Mesh) Concrete R-0.6 with R-15 3" Perimeter Rigid Insulation
U-Value of total assembly: U 1.67 *(Concrete Slab Only)*
R-Value of insulation: R 15 3" Owens Corning NGX 250 @ foundation perimeter
Horizontal/vertical requirement: 24" Horizontal & Vertical
slab heated: No

ALLOWABLE AREA

Primary Occupancy Classification(s): Business Storage - S-2 N/A N/A N/A N/A
Accessory Occupancy Classification(s):
Incidental Uses (Table 509): N/A
Special Uses (Chapter 4 – List Code Sections):
Special Provisions: (Chapter 5 – List Code Sections):
Mixed Occupancy: Yes Separation: Select one Exception: Non-Separated Mixed Use

Select one
$\frac{\text{Actual Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Actual Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$
$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \ldots = \frac{\quad}{\quad} \leq 1.00$

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,2]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
Level 1	Business & Storage S-2	6,273	9,000	6,750	15,750
Level 2	Business	5,740	9,000	6,750	15,750

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 338 (F)
b. Total Building Perimeter = 338 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase $I_f = 100[F/P - 0.25] \times W/30 =$ 75 (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE[1]
Building Height in Feet (Table 504.3)[2]	40'	33'-8"	N/A
Building Height in Stories (Table 504.4)[3]	2	2	N/A

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1.
[3] The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ REDUCTION) *	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses	N/A	0	0				
Bearing Walls	30'+	0	0				
Exterior							
North	30' +	0	0				
East	30' +	0	0				
West	30' +	0	0				
South	30' +	0	0				
Interior							
Nonbearing Walls and Partitions							
Exterior walls							
North	N/A	0	0				
East	N/A	0	0				
West	N/A	0	0				
South	N/A	0	0				
Interior walls and partitions							
Floor Construction Including supporting beams and joists		0					
Floor Ceiling Assembly		0					
Columns Supporting Floors							
Roof Construction, including supporting beams and joists		0					
Roof/Ceiling Assembly		0					
Columns Supporting Roof		0					
Shaft Enclosures - Exit		N/A	N/A				
Shaft Enclosures - Other		0	0				
Corridor Separation		N/A	N/A				
Occupancy/Fire Barrier Separation		N/A	N/A				
Party/Fire Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Smoke Partition		N/A	N/A				
Tenant/Dwelling Unit/ Sleeping Unit Separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				

* Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North >30'	(UP, NS)	No Limit	20%
South >30'	(UP, NS)	No Limit	13%
East >30'	(UP, NS)	No Limit	14%
West >30'	(UP, NS)	No Limit	7%

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: Yes
Smoke Detection Systems: Yes
Carbon Monoxide Detection: No

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A004

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan) N/A
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8) N/A
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit sign locations (1013)
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☐ Dead end lengths (1020.4) N/A
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation N/A
- ☐ Location of doors with panic hardware (1010.1.10) N/A
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) N/A
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9) N/A
- ☐ Location of doors equipped with hold-open devices N/A
- ☐ Location of emergency escape windows (1030) N/A
- ☒ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) N/A
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

UNIT CLASSIFICATION	TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
		NOT APPLICABLE						

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	
TOTAL 3 LOTS	27	31	3	0	3

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX	/TUBS	REGULAR	ACCESSIBLE
LEVEL 1	EXIST'G	0	0	1	0	0	0	1	0	1	0
	NEW	1	1	0	0	1	1	0	0	0	0
	REQ'D	2	2			1	1				1
LEVEL 2	EXIST'G	0	0	1	0	0	0	1	1	0	0
	NEW	3	0	1	2	2	0	1	2	1	1
	REQ'D	2	2			2	2				1

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North Not to Scale

REVISIONS

No.	Date	Description

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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

BUILDING CODE SUMMARY - ADDITION & RENOVATION

A003

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Select one

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

ADRON F THOMPSON
ADDITION AND RENOVATION
ELECTRICAL SUMMARY
INFORMATION FOUND ON FIRST SHEET OF ELECTRICAL DISCIPLINE DRAWINGS

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☐ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone 4A
winter dry bulb: 17°F
summer dry bulb: 95°F

Interior design conditions
winter dry bulb: 72°F
summer dry bulb: 75°F
relative humidity: 50%

Building heating load: 177 MBH

Building cooling load: 190 MBH

Mechanical Spacing Conditioning System
Unitary
description of unit: VRF
heating efficiency: 24.7 SCHE
cooling efficiency: 20.2 IEER
size category of unit: 240 MBH

Boiler
Size category. If oversized, state reason.: N/A

Chiller
Size category. If oversized, state reason.: N/A

List equipment efficiencies: N/A

STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) 1.0
Seismic (I_E) 1.0

Live Loads: Roof 20 psf
Mezzanine N/A psf
Floor 100/80 psf

Ground Snow Load: 15 psf

Wind Load: Ultimate Wind Speed 115 mph (ASCE-7)
Exposure Category B

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) II
Spectral Response Acceleration S_S 15.3 %g S_1 7.7 %g
Site Classification (ASCE 7) D
Data Source: Field Test
Basic structural system Bearing Wall
Analysis Procedure: Equivalent Lateral Force
Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 3000 psf
Pile size, type, and capacity N/A

MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Town of Hillsborough Utilities Department Adron F Thompson Improvements
Vehicle Storage Building – New Building
Address: 715 Dimmocks Mill Road Zip Code 27278
Owner/Authorized Agent: Town of Hillsborough Utility Department / Bryant Green
Phone # (919) 296 - 9630 E-Mail: Bryant.Green@Hillsboroughnc.gov
Owned By: City
Code Enforcement Jurisdiction: County

CONTACT: David Daniel, AIA RND Architects (919) 490-1266 david@RNDPA.com

DESIGNER	FIRM	NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	RND Architects, P A	David Daniel, AIA	11381	(919) 646-6605	david@RNDPA.com
Civil	Thomas and Hutton	Chuck Hill, PE	023461	(919) 457-5810	hill.chuck@tandh.com
Electrical	Edmondson Engineers	Dennis Hayes, PE	028869	(919) 544-1936	dennis@edmpa.com
Fire Alarm	Edmondson Engineers	Dennis Hayes, PE	028869	(919) 544-1936	dennis@edmpa.com
Plumbing	Edmondson Engineers	David Tucker, PE	029346	(919) 544-1936	david@edmpa.com
Mechanical	Edmondson Engineers	David Tucker, PE	029346	(919) 544-1936	david@edmpa.com
Sprinkler-Standpipe	N/A	( )			
Structural	Gardner & McDaniel	William Easterling, PE	028335	(919) 489-0926	bill@gmengrs.com
Retaining Walls >5' High: N/A					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: New Building

2018 NC EXISTING BUILDING CODE: N/A N/A N/A
CONSTRUCTED: N/A **CURRENT OCCUPANCY(S)** (Ch. 3)**:** N/A
RENOVATED: N/A **PROPOSED OCCUPANCY(S)** (Ch. 3)**:** N/A

RISK CATEGORY (Table 1604.5)**: Current:** N/A **Proposed:** N/A

BASIC BUILDING DATA
Construction Type: II-B
Sprinklers: No N/A
Standpipes: No
Primary Fire District: No **Flood Hazard Area:** No
Special Inspections Required: No

Gross Building Area Table

FLOOR	NEW BUILDING (SQ FT)	SUB-TOTAL
Level 1	4,712 ENCLOSED AREA SF + (716 ROOF COVERED EXTERIOR AREA)	5,428 SF

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: Select one

Exempt Building: Select one Provide code or statutory reference:

Climate Zone: 4A

Method of Compliance: Select one
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ceiling Assembly (each assembly)
Description of assembly: Pre-Engineered Metal Building
U-Value of total assembly:
R-Value of insulation:
Skylights in each assembly: N/A No Skylights
U-Value of skylight: N/A No Skylights
total square footage of skylights in each assembly: N/A No Skylights

Exterior Walls (each assembly)
Description of assembly: 2x6 wood stud wall assembly with ½" Wall Sheathing R .56; R 21.0 Fiberglass Batt Cavity insulation with Brick Veneer Facing.
U-Value of total assembly: U 0.043
R-Value of insulation: R 21
Openings (windows or doors with glazing)
U-Value of assembly: .52
Solar heat gain coefficient: .23
projection factor: .03
Door R-Values: N/A - NO DOORS WIH GLAZING

Walls below grade (each assembly)
Description of assembly: N/A Project Scope does not have Windows Below Grade
U-Value of total assembly: N/A Project Scope does not have Windows Below Grade
R-Value of insulation: N/A Project Scope does not have Windows Below Grade

Floors over unconditioned space (each assembly)
Description of assembly: N/A Project Scope does not have Floors Over Unconditioned Space
U-Value of total assembly: N/A Project Scope does not have Floors Over Unconditioned Space
R-Value of insulation: N/A Project Scope does not have Floors Over Unconditioned Space

Floors slab on grade
Description of assembly: 6" Reinforced (Wire Mesh) Concrete R-0.6 with R-15 3" Perimeter Rigid Insulation
U-Value of total assembly: U 1.67 *(Concrete Slab Only)*
R-Value of insulation: R 15 3" Owens Corning NGX 250 @ foundation perimeter
Horizontal\vertical requirement: 24" Horizontal & Vertical (or to top of footing)
slab heated: No

ALLOWABLE AREA

Primary Occupancy Classification(s): Storage - S-1 N/A N/A N/A N/A N/A
Accessory Occupancy Classification(s):
Incidental Uses (Table 509):
Special Uses (Chapter 4 – List Code Sections):
Special Provisions: (Chapter 5 – List Code Sections):
Mixed Occupancy: No Separation: Select one Exception:
Select one

Actual Area of Occupancy A / *Allowable Area of Occupancy A* + *Actual Area of Occupancy B* / *Allowable Area of Occupancy B* ≤ 1
____ + ____ + ... = ____ ≤ 1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2[4] AREA	(C) AREA FOR FRONTAGE INCREASE[1,3]	(D) ALLOWABLE AREA PER STORY OR UNLIMITED[2,3]
Level 1	Storage S-1	5,782	17,500	9,800	27,300

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 242' (F)
b. Total Building Perimeter 297' = (P)
c. Ratio (F/P) = .81 (F/P)
d. W = Minimum width of public way = 30' (W)
e. Percent of frontage increase *I*ₓ = 100[*F*/*P* – 0.25] x *W*/30 = 56 (%)
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
Building Height in Feet (Table 504.3) [2]	55'	26'-6"	N/A
Building Height in Stories (Table 504.4) [3]	4	1	N/A

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with Table 412.3.1.
[3] The maximum height of open parking garages must comply with Table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ * = REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses		0	0				
Bearing Walls							
Exterior		0	N/A				
North		0	N/A				
East		0	N/A				
West		0	N/A				
South		0	N/A				
Interior		0	N/A				
Nonbearing Walls and Partitions							
Exterior walls							
North		0	0				
East		0	0				
West		0	0				
South		0	0				
Interior walls and partitions		0	0				
Floor Construction Including supporting beams and joists		0	N/A Slab on Grade				
Floor Ceiling Assembly		0	N/A Single Story				
Columns Supporting Floors		0	N/A Single Story				
Roof Construction, including supporting beams and joists		0	0				
Roof Ceiling Assembly		0	0				
Columns Supporting Roof		0	0				
Shaft Enclosures - Exit		N/A	N/A				
Shaft Enclosures - Other		N/A	N/A				
Corridor Separation		0	N/A				
Occupancy/Fire Barrier Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Smoke Partition			N/A				
Tenant/Dwelling Unit/ Sleeping Unit Separation			N/A				
Incidental Use Separation			N/A				

* Indicate section number permitting reduction

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
STRUCTURAL DESIGN
(PROVIDE ON THE STRUCTURAL SHEETS IF APPLICABLE)

DESIGN LOADS:

Importance Factors: Snow (I_S) 1.0
Seismic (I_E) 1.0

Live Loads: Roof 20 psf
Mezzanine N/A psf
Floor 100 psf

Ground Snow Load: 15 psf

Wind Load: Ultimate Wind Speed 115 mph (ASCE-7)
Exposure Category B

SEISMIC DESIGN CATEGORY: B
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) II
Spectral Response Acceleration S_S 15.3 %g S_1 7.7 %g
Site Classification (ASCE 7) D
Data Source: Field Test
Basic structural system Building Frame
Analysis Procedure: Equivalent Lateral Force
Architectural, Mechanical, Components anchored? No

LATERAL DESIGN CONTROL: Wind

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 3000 psf
Pile size, type, and capacity N/A

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
MECHANICAL DESIGN
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone **4A**
winter dry bulb: 17°F
summer dry bulb: 95°F

Interior design conditions
winter dry bulb: 72°F
summer dry bulb: 75°F
relative humidity: 50%

Building heating load: 18 MBH

Building cooling load: 36 MBH

Mechanical Spacing Conditioning System

Unitary	Welding Shop	Vehicle Storage
description of unit:	Ductless Split Heat Pump	Electric Duct Heater
heating efficiency:	15.1 SEER	100%
cooling efficiency:	15.1 SEER	N/A
size category of unit:	36 MBH	6 KW
Boiler		
Size category. If oversized, state reason.:	N/A	
Chiller		
Size category. If oversized, state reason.:	N/A	

List equipment efficiencies: N/A

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
North = >30'	(UP, NS)	NO LIMIT	15%
South = >30'	(UP, NS)	NO LIMIT	32%
East = 5' to less than 10'	(UP, NS)	10%	3% *FOR PORTION OF ELEVATION THAT IS ADJACENT TO EXISTING BUILDING*
East = > 30'		NO LIMIT	40%
West = >30'	(UP, NS)	NO LIMIT	27%

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: Yes
Exit Signs: Yes
Fire Alarm: No
Smoke Detection Systems: No
Carbon Monoxide Detection: Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan Sheet #: A004

- ☒ Fire and/or smoke rated wall locations (Chapter 7)
- ☐ Assumed and real property line locations (if not on the site plan) N/A
- ☐ Exterior wall opening area with respect to distance to assumed property lines (705.8) N/A
- ☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
- ☒ Occupant loads for each area
- ☒ Exit sign locations (1013)
- ☒ Exit access travel distances (1017)
- ☒ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
- ☐ Dead end lengths (1020.4) N/A
- ☒ Clear exit widths for each exit door
- ☒ Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3)
- ☒ Actual occupant load for each exit door
- ☐ A separate schematic plan indicating where fire rated floor/ceiling and/or roof structure is provided for purposes of occupancy separation N/A
- ☐ Location of doors with panic hardware (1010.1.10) N/A
- ☐ Location of doors with delayed egress locks and the amount of delay (1010.1.9.7) N/A
- ☐ Location of doors with electromagnetic egress locks (1010.1.9.9) N/A
- ☐ Location of doors equipped with hold-open devices N/A
- ☐ Location of emergency escape windows (1030) N/A
- ☒ The square footage of each fire area (202)
- ☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) N/A
- ☐ Note any code exceptions or table notes that may have been utilized regarding the items above

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
ELECTRICAL DESIGN
(PROVIDE ON THE ELECTRICAL SHEETS IF APPLICABLE)

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Select one

VEHICLE STORAGE BUILDING ELECTRICAL SUMMARY INFORMATION FOUND ON FIRST SHEET OF ELECTRICAL DISCIPLINE DRAWINGS

Lighting schedule (each fixture type)
lamp type required in fixture
number of lamps in fixture
ballast type used in the fixture
number of ballasts in fixture
total wattage per fixture
total interior wattage specified vs. allowed (whole building or space by space)
total exterior wattage specified vs. allowed

Additional Efficiency Package Options
(When using the 2018 NCECC; not required for ASHRAE 90.1)
- ☐ C406.2 More Efficient HVAC Equipment Performance
- ☐ C406.3 Reduced Lighting Power Density
- ☐ C406.4 Enhanced Digital Lighting Controls
- ☐ C406.5 On-Site Renewable Energy
- ☐ C406.6 Dedicated Outdoor Air System
- ☐ C406.7 Reduced Energy Use in Service Water Heating

ACCESSIBLE DWELLING UNITS
(SECTION 1107)

UNIT CLASSIFICATION	TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED
		NOT APPLICABLE						

ACCESSIBLE PARKING
(SECTION 1106)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED		TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	96" SPACES	132" SPACES	
	ACCESSIBLE PARKING PROVIDED AT OFFICES / ADRON F THOMPSON BUILDING				

PLUMBING FIXTURE REQUIREMENTS
(TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS /TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
	NEW REQ'D	SEE ADRON F THOMPSON BUILDING CODE SUMMARY									

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)

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DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North Not to Scale

REVISIONS

No.	Date	Description

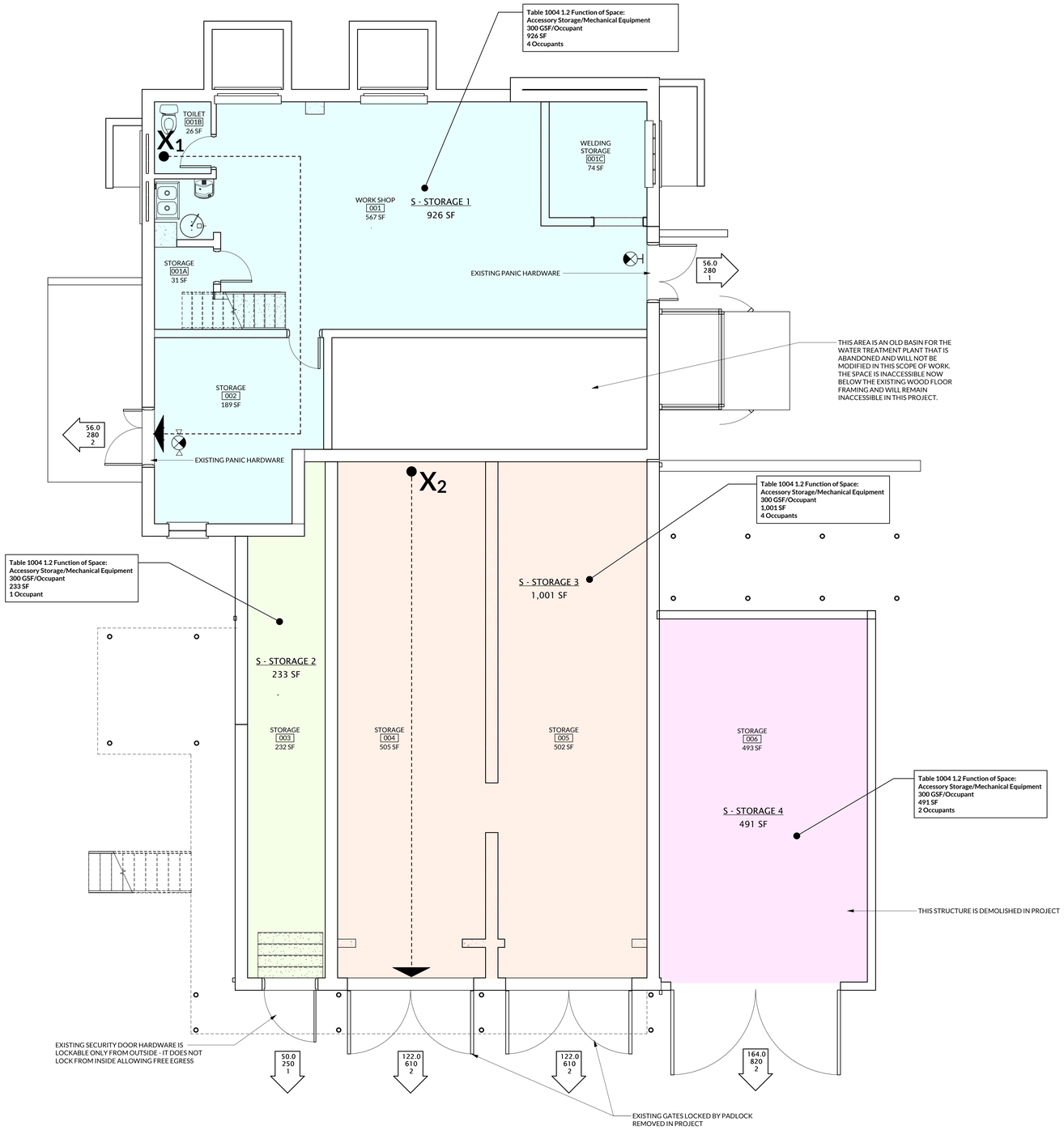
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

BUILDING CODE SUMMARY - VEHICLE STORAGE BUILDING

A004



1 / A005 LIFE SAFETY PLAN - EXISTING LOWER LEVEL
1/4" = 1'-0"

LIFE SAFETY LEGEND

- COMMON PATH OF TRAVEL SEC. 1014.3 — X - - - - - - - - - C
- MAXIMUM TRAVEL DISTANCE SEC. 1016 — X - - - - - - - - - - - ▶
- SEPARATION OF EXITS (SEC. 1015.2.1) — ⟵ —— ⟶
- TOTAL DIAGONAL DISTANCE (SEC. 1015.2.1) — ⟵ – – – – – ⟶
- MOST REMOTE POINT — X
- END OF COMMON PATH OF TRAVEL — C
- REQUIRED EXIT OR EXIT ACCESS / OCCUPANT LOAD AT EXITS: — CLEAR WIDTH (IN.): 34.0 / MAX CAPACITY: 170 / ACTUAL LOAD: 0
- CEILING MOUNTED ILLUMINATED EXIT SIGN
- WALL MOUNTED ILLUMINATED EXIT SIGN

NOTE: ARROWS ON EXIT SIGNS INDICATE DIRECTION OF EGRESS PATH TO EXIT

OCCUPANT LOAD - EXISTING

Name	Area	Area per Occupant	Occupant Load
EXISTING LOWER LEVEL FFE 525.36'			
S - STORAGE 1	926 SF	300 SF	4
S - STORAGE 2	233 SF	300 SF	1
S - STORAGE 3	1,001 SF	300 SF	4
S - STORAGE 4	491 SF	300 SF	2
	2,651 SF		11
EXIST MAIN LEVEL FFE 536.5'			
B - BUSINESS	1,246 SF	100 SF	13
S - STORAGE	758 SF	300 SF	4
	2,004 SF		17
Grand total	4,654 SF		28

EXIT DISTANCES - EXISTING

Path Name	Actual Travel Distance	Total Allowed Distance
LOWER LEVEL		
Maximum Travel Path X1 to Exit	45'	200'
Maximum Travel Path X2 to Exit	41'	200'
MAIN LEVEL		
Maximum Travel Path X to Exit	65'	200'

OCCUPANCY TYPE LEGEND

- S - STORAGE 1
- S - STORAGE 2
- S - STORAGE 3
- S - STORAGE 4

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PROFESSIONAL SEALS:

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA — 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

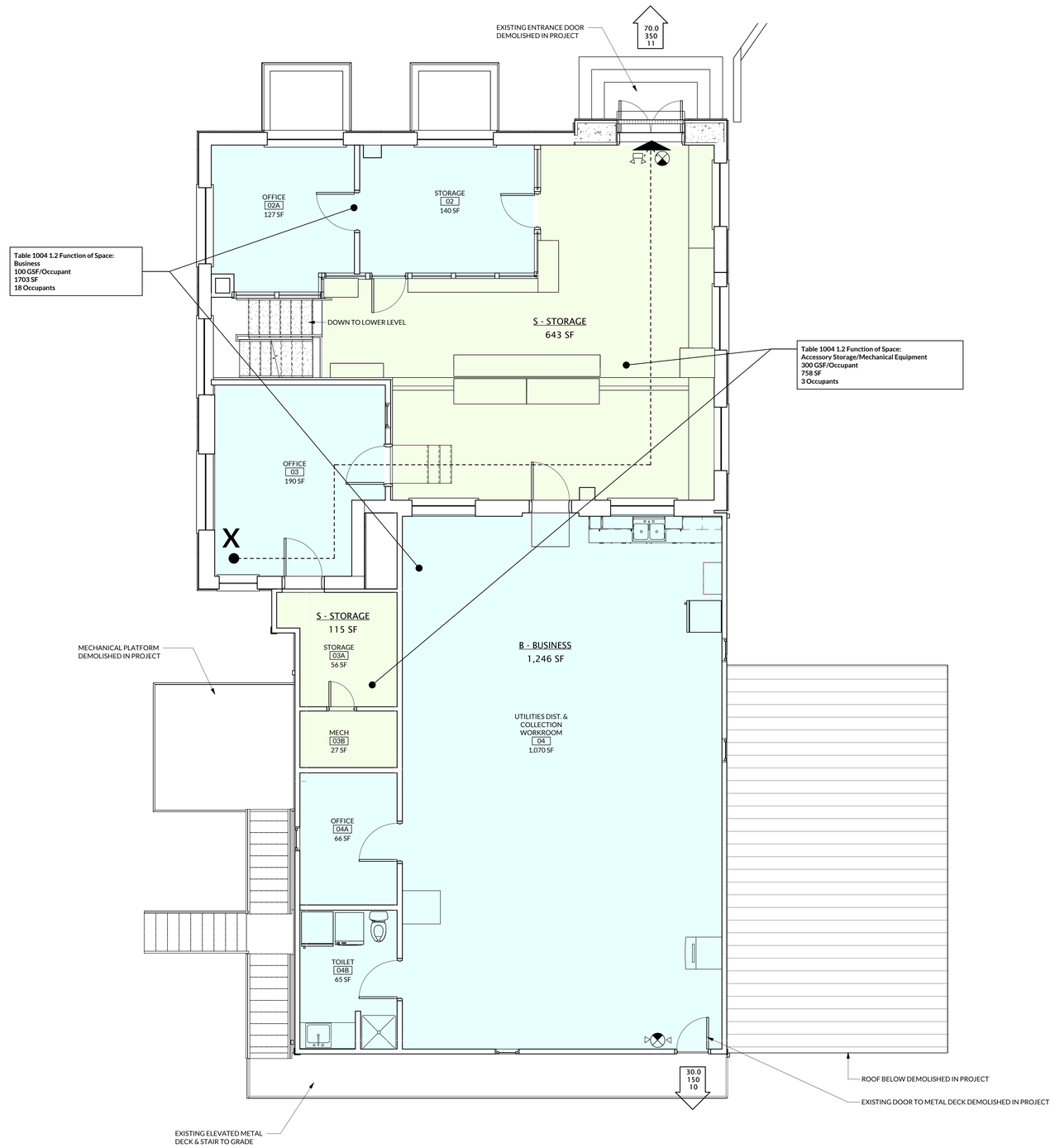
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

LIFE SAFETY PLANS - LOWER LEVEL - EXISTING

A005



1 A006 **LIFE SAFETY PLAN - EXISTING MAIN LEVEL**
1/4" = 1'-0"

LIFE SAFETY LEGEND

COMMON PATH OF TRAVEL SEC. 1014.3 — X · · · · · · · · · · C

MAXIMUM TRAVEL DISTANCE SEC. 1016 — X ————————— ▶

SEPARATION OF EXITS (SEC. 1015.2.1) — ⟵ —— ⟶

TOTAL DIAGONAL DISTANCE (SEC. 1015.2.1) — ⟵ – – – – ⟶

MOST REMOTE POINT — X

END OF COMMON PATH OF TRAVEL — C

REQUIRED EXIT OR EXIT ACCESS
OCCUPANT LOAD AT EXITS:
CLEAR WIDTH (IN.): 34.0
MAX CAPACITY: 170
ACTUAL LOAD: 0

CEILING MOUNTED ILLUMINATED EXIT SIGN

WALL MOUNTED ILLUMINATED EXIT SIGN

NOTE: ARROWS ON EXIT SIGNS INDICATE DIRECTION OF EGRESS PATH TO EXIT

OCCUPANT LOAD - EXISTING

Name	Area	Area per Occupant	Occupant Load
EXISTING LOWER LEVEL FFE 525.36'			
S - STORAGE 1	926 SF	300 SF	4
S - STORAGE 2	233 SF	300 SF	1
S - STORAGE 3	1,001 SF	300 SF	4
S - STORAGE 4	491 SF	300 SF	2
	2,651 SF		11
EXIST MAIN LEVEL FFE 536.5'			
B - BUSINESS	1,246 SF	100 SF	13
S - STORAGE	758 SF	300 SF	4
	2,004 SF		17
Grand total	4,654 SF		28

EXIT DISTANCES - EXISTING

Path Name	Actual Travel Distance	Total Allowed Distance
LOWER LEVEL		
Maximum Travel Path X1 to Exit	45'	200'
Maximum Travel Path X2 to Exit	41'	200'
MAIN LEVEL		
Maximum Travel Path X to Exit	65'	200'

OCCUPANCY TYPE LEGEND

B - BUSINESS

S - STORAGE

RND architects
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PROFESSIONAL SEALS:

RND ARCHITECTS, PA — REGISTERED ARCHITECTURAL CORPORATION — NORTH CAROLINA — DURHAM, N.C. — CERT. NO. 400

DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

LIFE SAFETY PLAN - MAIN LEVEL - EXISTING

A006

EXIT DISTANCES - RENOVATION

Path Name	Actual Travel Distance	Total Allowed Distance
LOWER LEVEL		
Common Travel Path X3 to C	24'	75'
Maximum Travel Path X1 to Exit	45'	200'
Maximum Travel Path X2 to Exit	44'	200'
Maximum Travel Path X3 to Exit	61'	200'
Maximum Travel Path X4 to Exit	34'	200'
MAIN LEVEL		
Common Travel Path X to C	59'	75'
Maximum Travel Path X to Exit	87'	200'

OCCUPANCY LOAD - RENOVATION

Name	Area	Area per Occupant	Occupant Load
EX LOWER LEVEL FFE 527.33			
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	1,038 SF	300 SF	4
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	925 SF	300 SF	4
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	233 SF	300 SF	1
BUSINESS	2,460 SF	100 SF	25
			34
EXIST MAIN LEVEL FFE 536.5'			
B BUSINESS	4,966 SF	100 SF	50
MECHANICAL	134 SF	300 SF	1
			51

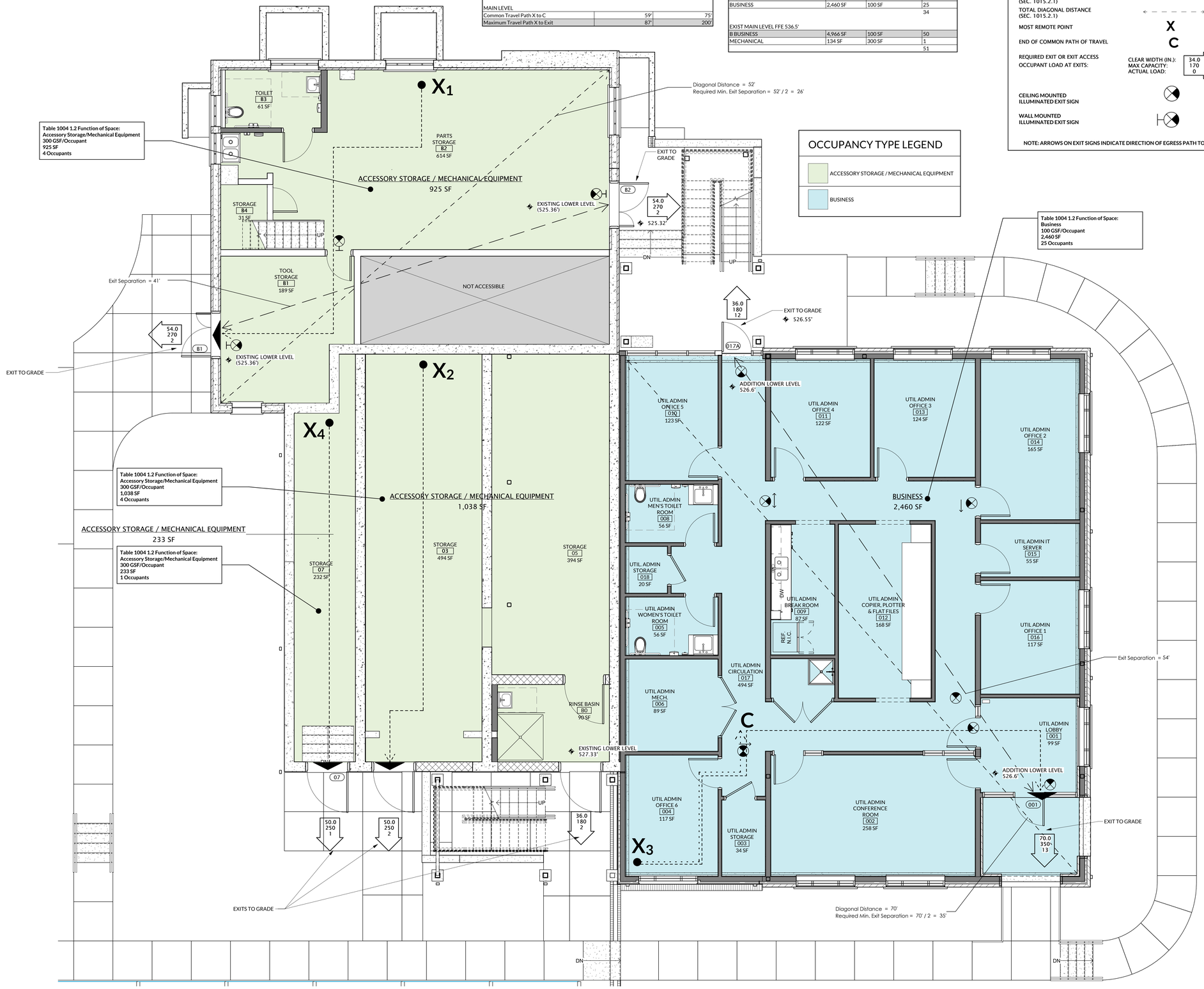
LIFE SAFETY LEGEND

- COMMON PATH OF TRAVEL SEC. 1014.3 — X to C
- MAXIMUM TRAVEL DISTANCE SEC. 1016 — X
- SEPARATION OF EXITS (SEC. 1015.2.1)
- TOTAL DIAGONAL DISTANCE (SEC. 1015.2.1)
- MOST REMOTE POINT — X
- END OF COMMON PATH OF TRAVEL — C
- REQUIRED EXIT OR EXIT ACCESS
- OCCUPANT LOAD AT EXITS: — CLEAR WIDTH (IN.): 34.0, MAX CAPACITY: 170, ACTUAL LOAD: 0
- CEILING MOUNTED ILLUMINATED EXIT SIGN
- WALL MOUNTED ILLUMINATED EXIT SIGN

NOTE: ARROWS ON EXIT SIGNS INDICATE DIRECTION OF EGRESS PATH TO EXIT

OCCUPANCY TYPE LEGEND

- ACCESSORY STORAGE / MECHANICAL EQUIPMENT
- BUSINESS



1 A007 **LOWER LEVEL LIFE SAFETY PLAN**
1/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA DURHAM, N.C.
12.19.2025

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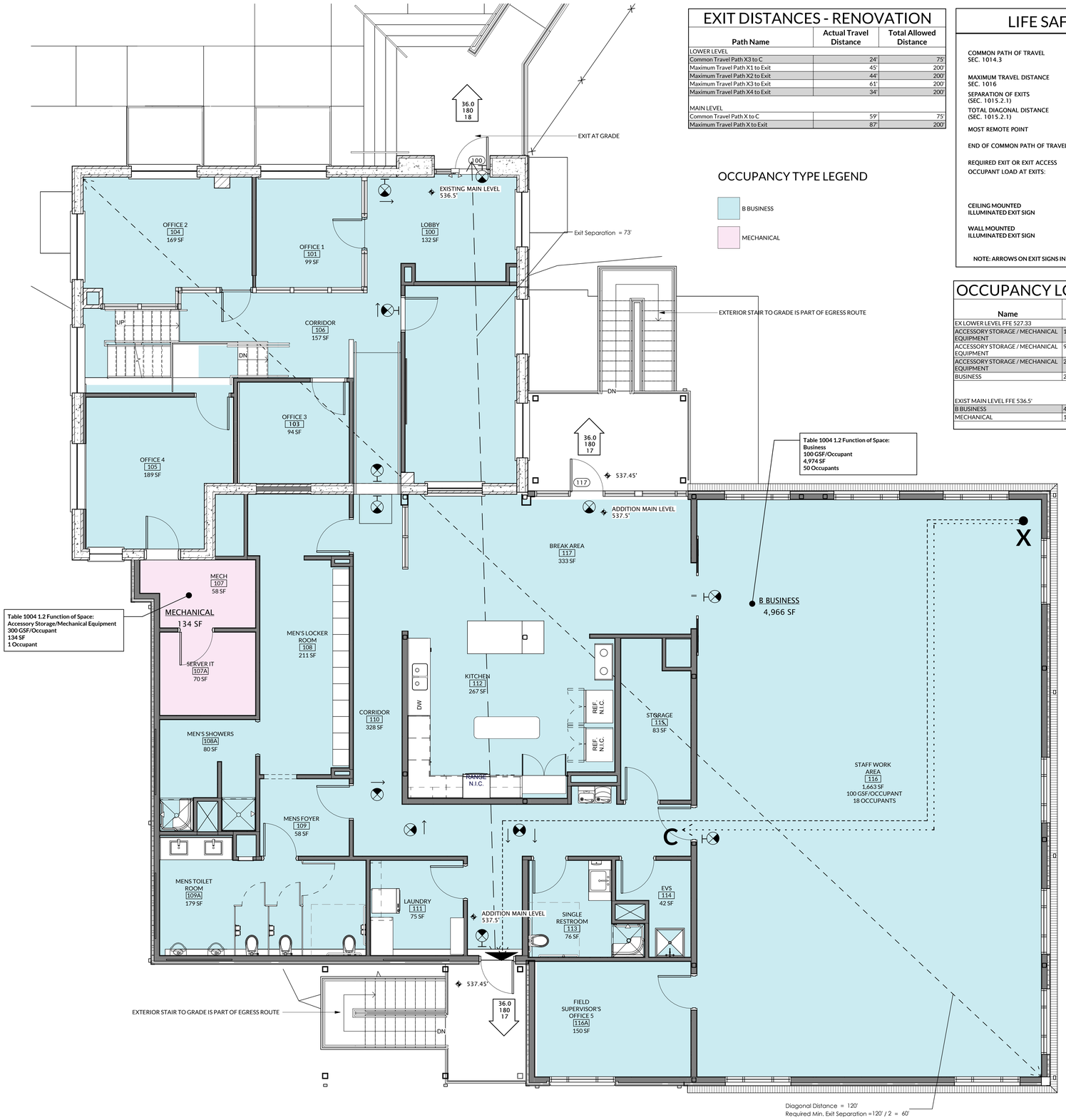
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SHEET NAME:

LIFE SAFETY PLAN LOWER LEVEL - RENOVATION

A007



1 A008 **MAIN LEVEL LIFE SAFETY PLAN**
1/4" = 1'-0"

EXIT DISTANCES - RENOVATION

Path Name	Actual Travel Distance	Total Allowed Distance
LOWER LEVEL		
Common Travel Path X3 to C	24'	75'
Maximum Travel Path X1 to Exit	45'	200'
Maximum Travel Path X2 to Exit	44'	200'
Maximum Travel Path X3 to Exit	61'	200'
Maximum Travel Path X4 to Exit	34'	200'
MAIN LEVEL		
Common Travel Path X to C	59'	75'
Maximum Travel Path X to Exit	87'	200'

OCCUPANCY TYPE LEGEND

B BUSINESS

MECHANICAL

LIFE SAFETY LEGEND

COMMON PATH OF TRAVEL
SEC. 1014.3 — X to C

MAXIMUM TRAVEL DISTANCE
SEC. 1016 — X

SEPARATION OF EXITS
(SEC. 1015.2.1)

TOTAL DIAGONAL DISTANCE
(SEC. 1015.2.1)

MOST REMOTE POINT — X

END OF COMMON PATH OF TRAVEL — C

REQUIRED EXIT OR EXIT ACCESS
OCCUPANT LOAD AT EXITS:
CLEAR WIDTH (IN.): 34.0
MAX CAPACITY: 170
ACTUAL LOAD: 0

CEILING MOUNTED
ILLUMINATED EXIT SIGN

WALL MOUNTED
ILLUMINATED EXIT SIGN

NOTE: ARROWS ON EXIT SIGNS INDICATE DIRECTION OF EGRESS PATH TO EXIT

OCCUPANCY LOAD - RENOVATION

Name	Area	Area per Occupant	Occupant Load
EX LOWER LEVEL FFE 527.33			
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	1,038 SF	300 SF	4
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	925 SF	300 SF	4
ACCESSORY STORAGE / MECHANICAL EQUIPMENT	233 SF	300 SF	1
BUSINESS	2,460 SF	100 SF	25
			34
EXIST MAIN LEVEL FFE 536.5'			
B BUSINESS	4,966 SF	100 SF	50
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			51

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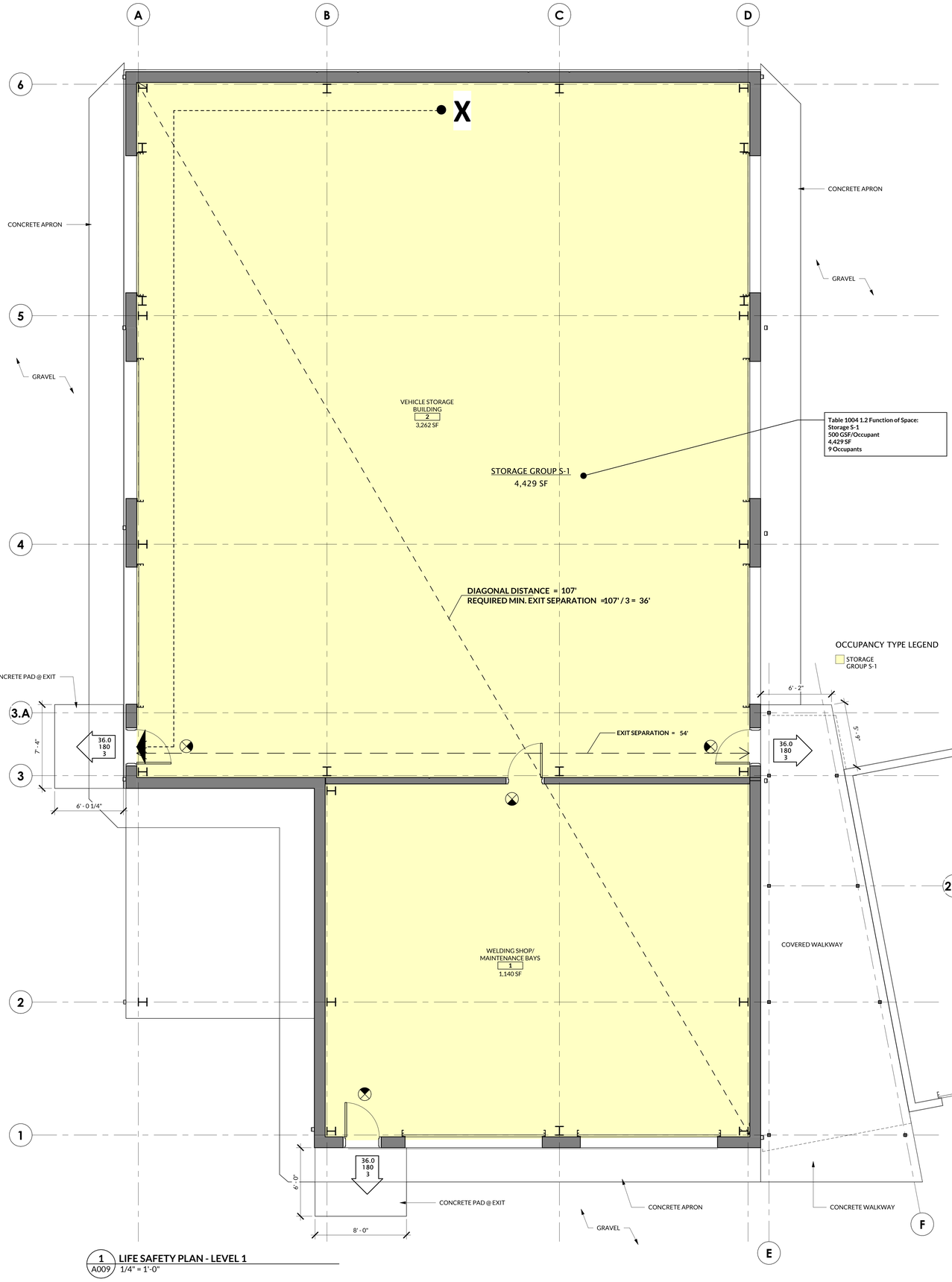
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SHEET NAME:

LIFE SAFETY PLAN - MAIN LEVEL - RENOVATION

A008



1 / A009 **LIFE SAFETY PLAN - LEVEL 1**
1/4" = 1'-0"

LIFE SAFETY LEGEND

COMMON PATH OF TRAVEL
SEC. 1014.3 — X - - - - - - - - - C

MAXIMUM TRAVEL DISTANCE
SEC. 1016 — X - - - - - - - - - →

SEPARATION OF EXITS
(SEC. 1015.2.1)

TOTAL DIAGONAL DISTANCE
(SEC. 1015.2.1)

MOST REMOTE POINT — X

END OF COMMON PATH OF TRAVEL — C

REQUIRED EXIT OR EXIT ACCESS
OCCUPANT LOAD AT EXITS:
CLEAR WIDTH (IN.): 34.0
MAX CAPACITY: 170
ACTUAL LOAD: 0

CEILING MOUNTED
ILLUMINATED EXIT SIGN

WALL MOUNTED
ILLUMINATED EXIT SIGN

NOTE: ARROWS ON EXIT SIGNS INDICATE DIRECTION OF EGRESS PATH TO EXIT

EXIT DISTANCES

Path Name	Actual Travel Distance	Total Allowed Distance
Level 1		
Maximum Travel Path X to Exit 1	82'	200'

OCCUPANT LOAD

Name	Area	Gross Area per Occupant	No. Occupants
VEH. STOR. BLDG FFE 527.05'			
STORAGE GROUP S-1	4,433 SF	500 SF	9
	4,433 SF		9

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12.19.2025

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2231.01	JSM	DBD	12.19.2025

SHEET NAME:

LIFE SAFETY PLAN - VEHICLE STORAGE BUILDING

A009

PLAN LEGEND

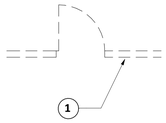
Scope of Work Boundary

Existing Partition to Remain

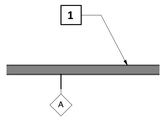
Existing Brick Exterior Wall to Remain

Existing partitions, doors or other items to be demolished

Demolition Note keynoted to plan (Note: Not all items keynoted to plan)



Renovation Note keynoted to plan



New Interior Partition

Partition ID Tag, see Wall Types

New Metal Panel Exterior Wall

New Brick Facade Exterior Wall

Masonry Partition/Wall

Line of Soffit Above

ADA Clearance Area

Room Name, Number, and Area



Door I.D., see Door & Frame Schedule



Window/Storefront ID, see Elevations

Spot Elevation AFF



Section Mark

Detail No.

Sheet No.



Elevation Mark

Sheet No.

Detail No.



REFLECTED CEILING PLAN LEGEND

Ceiling Height AFF



Acoustical Ceiling Grid and Tile 2'x2'



Existing Acoustical Ceiling Grid and Tile to be Demolished



Gypsum Board Soffit, Ceiling, or Bulkhead



P,M,E, & FP LEGEND

See Plumbing, Mechanical, Electrical, and Fire Protection Engineering Drawings for Device, Fixture Quantities and Types. Architectural plans show devices for reference only.

Sprinkler Head

Can Light

Strip or Pendant Light Fixture

1x4 Lay-in Light Fixture

2 x 2 Lay-in Light Fixture

2 x4 Lay-in Light Fixture

Supply Air Diffuser

Return Air Diffuser

Ceiling Mounted Exit Light

Wall Mounted Exit Light

Emergency Light

Smoke Detector

Occupancy Sensor

Speaker

Wireless Access Point

ABBREVIATIONS

Acoustical Ceiling Tile	ACT
Above Finished Floor	AFF
Aluminum	ALUM
Below Finished Floor	BFF
Concrete Masonry Unit	CMU
Continuous	CONT.
Control Joint	CJ
Electric Water Cooler	EWC
Electrical Panel	EP
Equal	EQ
Existing	EX
Existing to Remain	ETR
Expansion Joint	EJ
Field Verify/Field Measure	FV
Finished Floor Elevation	FFE
Fire Extinguisher Cabinet	FEC
Floor Drain	FD
Furniture	FURN
General Contractor	GC
Gypsum Board	GYP. BD.
Identification	ID
Metal	MTL
Not in Contract	NIC
On Center	OC
Opposite Hand	OH
Reflected Ceiling Plan	RCP
Roof Drain	RD
Room Finish Schedule	RFS
Similar	SIM
Solid Core Wood Door	SCW
Specifications	SPECS
Steel	STL
To be determined	TBD
Typical	TYP
Unless Noted Otherwise	UNO
With	W/
Wood	WD

GENERAL NOTES

A. GENERAL CONTRACTOR SHALL FIELD VERIFY/FIELD MEASURE ALL DIMENSIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD DIMENSIONS PRIOR TO START OF WORK. OWNER/ARCHITECT CANNOT GUARANTEE THE ACCURACY OF THESE DRAWINGS OF EXISTING CONDITIONS. FAILURE OF THE GENERAL CONTRACTOR TO VERIFY EXISTING DIMENSIONS PRIOR TO START OF WORK OR FABRICATION OF CONTRACT MATERIALS SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ANY SPECIAL PROBLEMS, COSTS, OR DELAYS THAT MIGHT HAVE BEEN AVOIDED HAD THE CONTRACTOR DONE SO.

B. CONTRACT DRAWINGS: THE CONTRACT DRAWINGS CONTAIN INFORMATION TO A DEGREE OF DETAIL WHICH IS CONSIDERED TO BE BOTH CONSISTENT WITH THEIR SCALES AND ADEQUATE TO ACCOMPLISH THEIR PURPOSE. BEYOND THIS POINT, THEY ARE DIAGRAMMATIC. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS MATERIALS REQUIRED TO COMPLETELY INSTALL THE WORK IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS AND THE SPECIFIED FUNCTIONS. ANY OMISSIONS FROM EITHER THE DRAWINGS OR THE SPECIFICATIONS ARE UNINTENTIONAL AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL TO THE ATTENTION OF THE DESIGNER ANY PERTINENT OMISSIONS PRIOR TO SUBMISSION OF A BID.

C. SITE VISITATION: THE CONTRACTOR SHALL EXAMINE THE SITE BEFORE BIDDING THE PROJECT AND SHALL FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. FAILURE OF THE CONTRACTOR TO VISIT THE SITE BEFORE SUBMISSION OF A BID SHALL NOT RELIEVE HIM OF ANY SPECIAL PROBLEMS OR COSTS WHICH MIGHT HAVE BEEN AVOIDED HAD THE CONTRACTOR EXAMINED THE EXISTING SITE CONDITIONS.

D. ALL WORK SHALL BE COMPLETED IN COMPLIANCE WITH APPLICABLE CODES AND TO THE SATISFACTION OF LOCAL BUILDING INSPECTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING AND SECURING ALL NECESSARY PERMITS, APPROVALS, ETC. FOR ALL TRADES.

E. SPECIFICATIONS MUST BE READ IN CONJUNCTION WITH THE DRAWINGS TO FULLY DETERMINE THE SCOPE OF WORK REQUIRED. DO NOT ATTEMPT TO DETERMINE THE SCOPE OF WORK WITHOUT READING THE SPECIFICATIONS.

F. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND FIRE STOPPING ALL FLOOR AND ROOF OPENINGS LEFT BY THE REMOVAL OF P, M, AND E DUCTS, PIPES, AND CONDUITS.

G. ALL ITEMS SCHEDULED TO BE REMOVED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. THE OWNER RESERVES THE RIGHT TO CLAIM ANY ITEMS REMOVED DURING DEMOLITION.

H. OWNER WILL ABATE THE HAZARDOUS MATERIALS PRIOR TO THE CONTRACTOR TAKING POSSESSION OF SITE FOR THE WORK. IF CONTRACTOR ENCOUNTERS WHAT HE SUSPECTS TO BE ASBESTOS CONTAINING MATERIALS (ACM), THEY SHOULD NOT DISTURB THE SUSPECT MATERIALS AND NOTIFY THE OWNER IMMEDIATELY. THE OWNER SHALL BE RESPONSIBLE FOR REMOVING HAZARDOUS MATERIALS DISCOVERED IN PROJECT AREA UPON NOTIFICATION BY CONTRACTOR.

I. NOTED CEILING HEIGHTS FOR NEW CEILINGS SHALL NOT BE CHANGED DUE TO FIELD CONDITIONS WITHOUT EXPRESS DIRECTION FROM THE ARCHITECT. COORDINATE TRADES CAREFULLY.

J. NOTIFY ARCHITECT OF BUILDING EXPANSION JOINT LOCATIONS.

K. THE GC SHALL PROVIDE SIGNAGE ON ALL DOORS INTO THE PROJECT AREA STATING, "CONSTRUCTION SITE - NO ADMITTANCE". SIGN SHALL BE PROFESSIONALLY MADE WITH EASILY VISIBLE LETTERS ON BACKGROUND INDICATING WARNING TO STAFF AND PUBLIC. THE GC SHALL PROVIDE WALK-OFF MATS AS SPECIFIED AT EACH DOOR LEADING FROM THE CONSTRUCTION AREA INTO OTHER PARTS OF THE BUILDING

L. SEE PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR FURTHER INFORMATION.

M. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR:
1. PROVIDING ALL NECESSARY ACCESS PANELS, WITH CORRECT FIRE PROTECTION RATINGS, WHETHER INDICATED OR NOT ON THE DRAWINGS.
2. ACCESS PANELS REQUIRED SHALL INCLUDE, BUT NOT LIMITED TO DAMPERS, PLUMBING VALVES, JUNCTIONS BOXES AND CLEANOUTS
3. PATCHING AND FIRE STOPPING ALL FLOOR AND ROOF OPENINGS LEFT BY THE REMOVAL OF P, M, AND E DUCTS, PIPES, AND CONDUITS.
4. WHERE EXISTING WALLS ARE REMOVED, REPAIR FLOOR SUBSTRATES TO RECEIVE NEW FINISHES. IF AREA IS TO RECEIVE NEW TILE, PROVIDE MORTAR BED AS REQUIRED.
5. COORDINATE AND PROVIDE BLOCKING/BACKING IN PARTITIONS BEHIND ALL WALL MOUNTED ITEMS (MILLWORK SHELVING, FILES, ACCESSIBLE GRAB BARS, ETC.). ALL CONCEALED WOOD TO BE FIRE-RETARDANT LUMBER.

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Plan North

Not to Scale

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2231.01	JSM	DBD	12.19.2025

SHEET NAME:

ARCHITECTURAL LEGENDS & GENERAL NOTES

A010

SPECIAL USE PERMIT MODIFICATION SUBMITTAL
CASE BA - 04 - 2025

ADRON THOMPSON SITE IMPROVEMENTS
2025
HILLSBOROUGH, NORTH CAROLINA

GENERAL INFORMATION

COUNTY	ORANGE
TOWN	HILLSBOROUGH
PIN	9864237369
ADDRESS	719 DIMMOCKS MILL ROAD
ZONING	OI

OWNER:
TOWN OF HILLSBOROUGH
101 EAST ORANGE STREET, PO BOX 429,
HILLSBOROUGH, NC 27278
TEL: 919-732-1270

APPLICANT
TOWN OF HILLSBOROUGH-UTILITY DEPARTMENT
c/o BRYANT GREEN
105 EAST CORBIN STREET, HILLSBOROUGH, NC 27278
919-296-9630

ENGINEER:
THOMAS & HUTTON
2510 MERIDIAN PARKWAY, SUITE 100
DURHAM, NC 27719
919.682.0368

SURVEYOR:
THOMAS & HUTTON
2510 MERIDIAN PARKWAY, SUITE 100
DURHAM, NC 27719
919.682.0368

UTILITY:
TOWN OF HILLSBOROUGH-UTILITY DEPARTMENT
c/o BRYANT GREEN
105 EAST CORBIN STREET, HILLSBOROUGH, NC 27278
919-296-9630

PREPARED FOR:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

FEBRUARY 26, 2025

J-30833.0000

PREPARED BY:

THOMAS & HUTTON

A-A1	ARCHITECTURAL ELEVATIONS EXHIBIT A & E – BLDG HEIGHT & ROOF PITCH
A-A2	ARCHITECTURAL ELEVATIONS EXHIBIT A & E – BLDG HEIGHT & ROOF PITCH
A-B1	ARCHITECTURAL ELEVATIONS EXHIBIT B - BUILDING MATERIALS
A-B2	ARCHITECTURAL ELEVATIONS EXHIBIT B - BUILDING MATERIALS
A-C1	ARCHITECTURAL ELEVATIONS EXHIBITS C&D - OPENING & GLAZING INFO
A-C2	ARCHITECTURAL ELEVATIONS EXHIBITS C&D - OPENING & GLAZING INFO
A-D1	VEHICLE STORAGE BUILDING EXTERIOR ELEVATIONS - NORTH & SOUTH
A-D2	VEHICLE STORAGE BUILDING EXTERIOR ELEVATIONS - EAST & WEST
ES-101	SITE ELECTRICAL PLAN – OVERVIEW
ES-102	SITE ELECTRICAL PLAN – PROJECT AREA
ES-201	SITE ELECTRICAL – FIXTURE DETAILS
ES-202	SITE ELECTRICAL – FIXTURE DETAILS
ES-301	SITE LIGHTING CLACULATIONS – OVERVIEW
ES-302	SITE LIGHTING CLACULATIONS – PROJECT AREA
ES-303	SITE LIGHTING CLACULATIONS – PROJECT AREA

A VESTED RIGHT PURSUANT TO NCGS 160D-108 AND SECTION 1.8 OF THE UNIFIED DEVELOPMENT ORDINANCE IS ESTABLISHED AS OF THE DATE HEREOF. UNLESS TERMINATED AT AN EARLIER DATE, THE VESTED RIGHT OF THE APPROVAL SHALL BE VALID UNTIL

_____.

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL 12.19.2025

NORTH CAROLINA THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

SHEET NO.: C-0.0



VICINITY MAP
SCALE: 1" = 500'

ADRON THOMPSON SITE IMPROVEMENTS
2025
J-30833
11/21/2025

Sheet List Table	
Sheet Number	Sheet Title
C-0.0	COVER
C-0.1	NOTES
C-0.2	AREA MAP
C-1.0	EX CONDITIONS-DEMO
C-2.0	SITE LAYOUT
C-2.1	LANDSCAPE PLAN
C-2.2	LANDSCAPE TREE COVERAGE
C-2.3	LANDSCAPE DETAILS
C-5.0	GRADING-UTILITY
C-5.1	Force Main Profile
C-6.0	DETAILS
C-6.1	DETAILS
C-6.2	DETAILS
C-6.3	DETAILS

REVISION HISTORY

REV. NO.	REVISION	BY	DATE
6	BID SET	CH	12.19.2025
5	FLOOD PROTECTION REVISIONS	CH	11/21/2025
4	ADD ROOF LEADERS	T&H	7/24/2025
3	RESPONSE TO COMMENTS	T&H	6/3/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

SUBMITTAL HISTORY

SUBMITTED TO	DATE
SUBMITTAL	2/26/2025

811 Know what's below. Call before you dig.

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713
p.919.682.0368
www.thomasandhutton.com

I:\2025\01-RDU\01-ORANGE\ADRON PARK\CIVIL\CONSTRUCTION\ Dec 19, 2025 - 7:44 AM

DRAINAGE LEGEND

	EXISTING	PROPOSED
PIPE		
DITCH		
CURB INLET (CI) CATCH BASIN (CB)		
CURB INLET - RIGHT (CI) OR CATCH BASIN - RIGHT (CB)	OR	OR
CURB INLET - LEFT (CI) OR CATCH BASIN - LEFT (CB)	OR	OR
CURB INLET - BOTH (CI) OR CATCH BASIN - BOTH (CB)	OR	OR
CONTROL STRUCTURE (CS)		
DITCH INLET (DI)		
GRATE INLET (GI)		
HOODED INLET (HI)	OR	OR
JUNCTION BOX (JB)		
MANHOLE (SDMH)		
ROLL CURB INLET (RC)		
ROOF INLET (RI)		
VALLEY INLET (VI)		
YARD INLET (YI)		
BEVELED END SECTION (BES)		
END SECTION (ES)		
FLARED END SECTION (FES)		
11.25° BEND - HORIZONTAL		
22.5° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
90° BEND - HORIZONTAL		
CLEANOUT		
PLUG		
TEE		
WYE		

ABBREVIATIONS

DBL	DOUBLE		FM	FORCE MAIN (SANITARY SEWER)		OC	ON CENTER		SS	SANITARY SEWER
BOT	BOTTOM		FP	FINISH PAD		PC	POINT OF CURVE		TC	TOP OF CURB
CB	CATCH BASIN		FPW	FIRE PROTECTION		PH	POST HYDRANT		TH	THROAT ELEVATION
CI	CURB INLET		FR	FRAME		PT	POINT OF TANGENT		TG	TOP OF GUTTER
CO	CLEAN OUT		GI	GRATE INLET		PVC	POLYVINYL CHLORIDE		TP	TOP OF PAVEMENT
CPP	CORRUGATED PLASTIC PIPE		GV	GATE VALVE		RCP	REINFORCED CONCRETE PIPE		TW	TOP OF WALK
DBL	DOUBLE		HDPE	HIGH DENSITY POLYETHYLENE		RC	ROLL CURB INLET		TYP	TYPICAL
DI	DITCH INLET		HI	HOODED INLET		RCP	REINFORCED CONCRETE PIPE		VI	VALLEY INLET
DIP	DUCTILE IRON PIPE		INV	INVERT ELEVATION		RI	ROOF INLET		W	WATER
EL	ELEVATION		JB	JUNCTION BOX		RJP	RESTRAINED JOINT PIPE		W/	WITH
ES	END SECTION		LF	LINEAR FEET		R/W	RIGHT-OF-WAY		WV	WATER VALVE
FES	FLARED END SECTION		MAX	MAXIMUM		SD	STORM DRAINAGE		YI	YARD INLET
FG	FINISH GRADE		MIN	MINIMUM		SDMH	STORM DRAINAGE MANHOLE			
FH	FIRE HYDRANT		MH	MANHOLE		SF	SQUARE FEET			

SEWER LEGEND

	EXISTING	PROPOSED
GRAVITY PIPE	SS	
SINGLE SERVICE LATERAL		
DOUBLE SERVICE LATERAL		
DROP MANHOLE (DMH)		
MANHOLE (MH)		
CLEANOUT (CO)		
FORCEMAIN	10"FM	10"FM
AIR RELEASE VALVE (ARV)		
CHECK VALVE (CV)		
PLUG VALVE AND BOX (PV)		
FLUSH HYDRANT		
PUMP CONNECTION (PC)		
REDUCER		
TRACER WIRE ACCESS BOX (TWAB)		
CROSS		
TEE		
TAPPING SLEEVE (TS)		
90° BEND HORIZONTAL		
45° BEND HORIZONTAL		
22.5° BEND HORIZONTAL		
11.25° BEND HORIZONTAL		
BEND VERTICAL		
PLUG \ CAP		

WATER LEGEND

	EXISTING	PROPOSED
FIRE PROTECTION	10"FPW	10"FPW
WATER MAIN	10"W	10"W
SINGLE SERVICE LATERAL		
DOUBLE SERVICE LATERAL		
BUTTERFLY VALVE (BV)		
DOUBLE CHECK DETECTOR ASSEMBLY (DCDA)		
GATE VALVE AND BOX (GV)		
POST INDICATOR VALVE (PIV)		
TAPPING SLEEVE AND VALVE (TSV)		
REDUCED PRESSURE ZONE BACKFLOW (RPZ)		

WATER LEGEND

	EXISTING	PROPOSED
WATER METER (WM)		
TRACER WIRE ACCESS BOX (TWAB)		
FIRE HYDRANT W/TEE, VALVE & BOX (FHA)		
POST HYDRANT (PH)		
REDUCER		
CROSS		
TEE		
90° BEND - HORIZONTAL		
45° BEND - HORIZONTAL		
22.5° BEND - HORIZONTAL		
11.25° BEND - HORIZONTAL		
BEND - VERTICAL		
CAP		

OTHER UTILITIES LEGEND

	EXISTING
NATURAL GAS	UGG
TELEPHONE	OHT
UNDERGROUND TELEPHONE	UTL
ELECTRICITY	OHP
UNDERGROUND ELECTRICITY	UGP

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN MINIMUM COVER OVER THE WATER MAIN PIPE BARREL OF 3'-0" UNLESS OTHERWISE INDICATED. TOP OF PIPE ELEVATIONS ARE SHOWN FOR CASES WHERE FUTURE STORM SEWERS ARE TO BE INSTALLED. IN NO CASE SHALL THE WATER MAIN BE INSTALLED AT A LOWER ELEVATION THAN THAT SHOWN.
2. SHOULD PIPE, FITTINGS, AND OTHER MATERIALS BE NEEDED IN ADDITION TO THAT SHOWN ON THE DRAWINGS BECAUSE PIPELINE WAS NOT INSTALLED TO THE ALIGNMENT AND PROFILE SHOWN, THEN THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THOSE NECESSARY MATERIALS AND PROVIDING THE EQUIPMENT AND LABOR TO INSTALL THEM TO MEET THE DESIGN INTENT OF THE WATERMAIN AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER 48 HOURS IN ADVANCE OF ALL REQUIRED TESTS AND INSPECTIONS.
4. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
5. ALL WATERMAINS SHALL BE POLYVINYL CHLORIDE (PVC C900) UNLESS OTHERWISE INDICATED.
6. ALL GRAVITY SEWER MAIN SHALL BE POLYVINYL CHLORIDE (PVC SDR35) UNLESS OTHERWISE INDICATED.
7. SURVEYING AND BOUNDARY INFORMATION BY THOMAS AND HUTTON
8. ALL ELEVATIONS SHOWN ARE BASED ON NAVD88.
9. TOPOGRAPHIC SURVEY BY THOMAS AND HUTTON.
10. CONTRACTOR IS TO VERIFY ACCURACY OF ANY TEMPORARY BENCHMARKS SHOWN PRIOR TO UTILIZING THEM FOR CONSTRUCTION.
11. THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES OTHER THAN THOSE SHOWN ARE ENCOUNTERED DURING CONSTRUCTION , THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY AND TAKE STEPS TO PROTECT THE LINE(S) AND ENSURE CONTINUED SERVICE. DAMAGE CAUSED TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.
12. IF WORK IS SUSPENDED OR DELAYED FOR 14 DAYS, THE CONTRACTOR SHALL TEMPORARILY STABILIZE THE DISTURBED AREA AT NO ADDITIONAL COST TO THE OWNER.
13. THE CONTRACTOR SHALL INSTALL ANY BARRICADES PRIOR TO BEGINNING CONSTRUCTION
    a. MANAGEMENT. THIS IS TO PROVIDE FOR ONE FOOT OF SILT BUILDUP DURING CONSTRUCTION OF ANY AREA OF ANY POND WHICH SILTS MORE THAN ONE FOOT ABOVE DESIGNED BOTTOM ELEVATION SHALL BE RESTORED TO THE MINIMUM ACCEPTABLE DEPTH OF ONE FOOT LESS THAN ORIGINAL CONSTRUCTED DEPTH.
    b. ALL ABOVE GROUND UTILITIES ARE TO BE OUTSIDE OF THE R/W AND ALL AT GRADE UTILITIES ARE TO BE OUT OF THE CURB LINE.
16. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF UNSUITABLE MATERIAL IS DISCOVERED PRIOR TO BEGINNING ANY REMOVAL OPERATION.
17. CONTRACTOR WILL BE REQUIRED TO ADJUST MANHOLE FRAMES TO MATCH FINAL GRADE AT NO ADDITIONAL COST.
20. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE DISTURBANCE OF THE LAND AND SHALL REMAIN FUNCTIONAL UNTIL THE CONTRIBUTING DISTURBED AREAS ARE STABILIZED. SILT BARRIERS WILL BE INSTALLED AS NECESSARY TO PREVENT EXCESSIVE SEDIMENTATION OF DOWNSTREAM AREAS. DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF "EROSION AND SEDIMENT CONTROL PRACTICES FOR DEVELOPING AREAS" BY THE S.C. LAND RESOURCES CONSERVATION COMMISSION.
21. CONTRACTOR SHALL GRADE AREAS TO DRAIN FOR POSITIVE FLOW PRIOR TO FINAL APPROVAL.
22. ALL TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND "NORTH CAROLINA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BOTH CURRENT EDITIONS.
23. ALL AREAS DISTURBED WILL BE GRASSED IMMEDIATELY AFTER THE INSTALLATION. GRASSING SHALL BE IN ACCORDANCE WITH SECTION 810 OF THE NCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION CURRENT EDITION. PAYMENT SHALL BE AS SHOWN IN THE BID FORM AND SHALL BE COMPENSATION FOR ALL NECESSARY WORK AND MATERIALS TO COMPLETE THE SEEDING IN ACCORDANCE WITH THESE SPECIFICATIONS. (SEE SPECIFICATIONS BELOW)
24. ALL DRAINAGE WILL BE MADE FUNCTIONAL DAILY AS WORK PROGRESSES.
25. NEW PAVEMENT TO BE FLUSH WITH EDGE OF EXISTING PAVEMENT.
26. ALL STORM DRAIN PIPE INVERTS IN AND OUT ARE THE SAME AS THE BOX INVERT UNLESS OTHERWISE NOTED ON THE PLAN SHEETS AND/OR PROFILES.

ORANGE COUNTY SOLID WASTE CONSTRUCTION WASTE REQUIREMENTS

A. ALL EXISTING STRUCTURES 500 SF AND LARGER SHALL BE ASSESSED PRIOR TO THE ISSUANCE OF A DEMOLITION PERMIT TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DECONSTRUCTION AND/OR THE REUSE OF SALVAGEABLE MATERIALS. CONTACT THE ORANGE COUNTY SOLID WASTE ENFORCEMENT OFFICER AT 919-968-2788 TO ARRANGE FOR THE ASSESSMENT.
B. PURSUANT TO THE COUNTY'S RRMO, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
C. PURSUANT TO THE COUNTY'S RRMO, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE WHICH INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE CAOUNTY.
D. PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE, THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS.
E. THE PRESENSE OF ANY ASBESTOS CONTAINING MATERIALS (ACM) AND/OR OTHER HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND GUIDELINES.

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	CH	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL, JR
12.19.2025

NORTH CAROLINA THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

NOTES

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

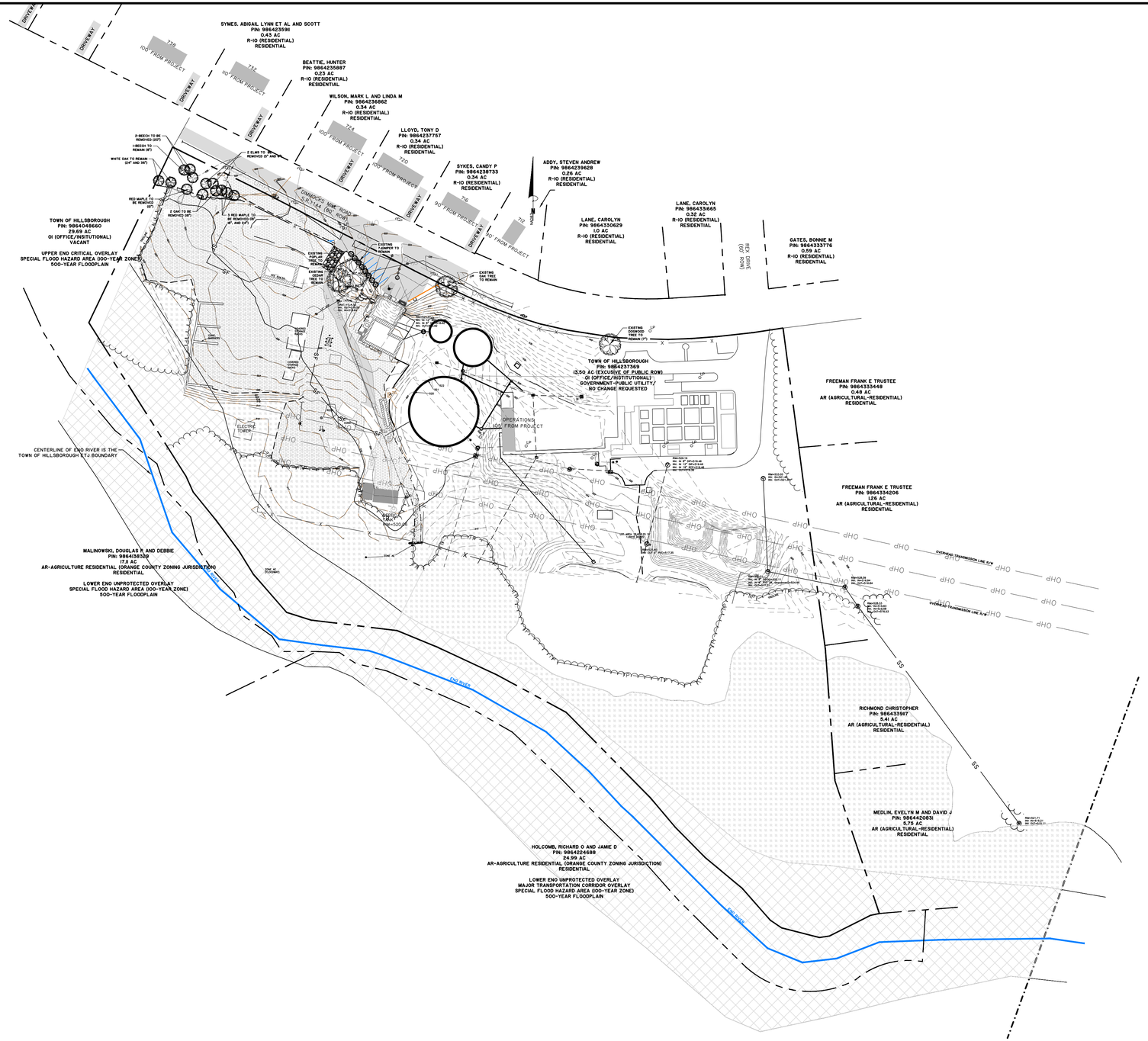
276.3807 0 138.1903 276.3807
GRAPHIC SCALE:
1 INCH = 276.3807 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	

C-0.1

Z:\30833\30833.000\ENGINEERING\DRAWINGS\SITE PLAN\C-0.2 AREA MAP.DWG - Dec 16, 2025 - 9:43 AM



BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	CH	11/21/2025
3	RESPONSE TO COMMENTS	T&H	6/3/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

NORTH CAROLINA PROFESSIONAL SEAL 023461 ENGINEER CHARLES N HILL, JR

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AREA MAP

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

GRAPHIC SCALE: 1 INCH = 80 FEET (80 0 40 80)

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	1"=80'

C-0.2

J:\30833\30833-2000\ENGINEERING\DRAWINGS\SITE PLANS\C1.0 EXISTING CONDITIONS.DWG - Dec 19, 2025 - 3:16 PM

2-BEECH TO BE REMOVED (20")
1-BEECH TO REMAIN (8")
WHITE OAK TO REMAIN (24" AND 36")
TREE PROTECTION FENCE (TYP)
RED MAPLE TO BE REMOVED (12")
2 OAK TO BE REMOVED (18")
2 ELMS TO BE REMOVED (5" AND 6")
TREELINE TO BE REMOVED
3 RED MAPLE TO BE REMOVED (18", 18", AND 24")
DEMO GRAVEL (TYP)
DEMO EX FENCE
BUILDING - PUBLIC UTILITY
SIGN TO REMAIN
LP-TO REMAIN
CONSTRUCTION ENTRANCE
NOTE-
CONTRACTOR IS REQUIRED TO MAINTAIN CONTINUOUS ACCESS TO THE OWNER FOR OWNER'S OPERATIONS.
NCDOT SIGHT TRIANGLE (EXISTING DRIVE)-TYP
8" GV AND CI WATER
20" DI RAW WATER MAIN
ON-SITE FIRE HYDRANT-ADDITIONAL HYDRANTS 220' WEST OF SITE AND 990' EAST OF SITE
DEMO PORTION OF BUILDING (SEE ARCH DRAWINGS)
BUILDING - PUBLIC UTILITY
DEMO PAVEMENT FOR NEW FACILITIES (TYP)
DEMO OH POWER TO FRONT OF BUILDING
8" CI WATER MAIN
DEMO EX 12" WATER AND MANHOLE
DEMO EX FENCE
EX 24" WATER
EX 15" RCP
EX 24" WATER
EX 24" WATER
EX MH APPROX 20' DEEP
EX PUMP STATION
EX WATER VALVE
EX 18" RCP
EX 24" WATER
LP-TO REMAIN
LP-TO REMAIN
LP-TO REMAIN
LP-TO REMAIN
LP-TO REMAIN
LP-TO REMAIN
EX 1" CHLORINE (X2) APPROX 12" DEEP
EX 15" RCP
EX 18" RCP
ALUM DRAIN LINE-TO REMAIN
EX POWER
EX 2" FORCE MAIN
EX 18" RCP
EX POWER IN 68' EASEMENT
EX SANITARY SEWER
EX SANITARY SEWER
PUBLIC UTILITY-BASINS (3)
BUILDING - PUBLIC UTILITY
BUILDING - PUBLIC UTILITY
PUBLIC UTILITY-BASINS
EXISTING DOGWOOD TREE TO REMAIN (7")
EXISTING SOLID WASTE AND RECYCLING CARTS STORAGE (12 TOTAL)
EXISTING POPLAR TREE TO REMAIN
EXISTING CEDAR TREE TO REMAIN
EXISTING OAK TREE TO REMAIN
EXISTING 7 JUNIPER TO REMAIN
APPROX HIGH WATER LIMITS FROM T.S.CHANTEL (JULY 2025)
EX 100-YEAR FLOODPLAIN (AS PUBLISHED)
EX GENERATOR TO BE REPLACED IN SAME LOCATION WITH NEW GENERATOR
SILT FENCE (TYP)
EX 4" SEWER SERVICE TO BE ABANDONED (DEMO AS NEEDED FOR NEW IMPROVEMENTS)
EX FLOODWAY
EX MOBILE OFFICE AND OVERHEAD POWER TO BE REMOVED
EX. 100-YEAR FLOODPLAIN BASE FLOOD ELEV ESTIMATED AT 516.8 (APPROX 60% FROM CROSS SECTION 69 AT 518.4 AND CROSS SECTION 71 AT 519.1)
EX BUILDING AND SHED AND OH ELECTRIC TO BE REMOVED (NOT IN THIS PROJECT)
ABANDON SEPTIC TANK PER COUNTY REQUIREMENTS
ZONE AE
ZONE AE (FLOODWAY)
ENO RIVER
ENO RIVER
DIMMOCKS MILL ROAD S.R.1144 (60' ROW)
REX DRIVE (60' ROW)
NADB3
N
COVERED STORAGE RACKS
CONC. BARRIERS
ELECTRIC TOWER
SEPTIC TANK RIM=520.06
GRATE=524.55 INV. OUT=519.50 INV. IN=518.64
RIM=524.33 INV. IN 12" RCP=518.62 INV. IN 15" RCP=518.62 INV. OUT=518.62
RIM=526.16 INV. IN 8" DIP=519.46 INV. IN 12" DIP=519.46 INV. IN 18" RCP=519.46 INV. OUT=519.36
RIM=533.05 INV. IN=521.40 INV. OUT=521.30
RIM=525.60 INV OUT 6" PVC=517.35
LOT AREA 73,698.25 SF 1.6910 ACRES
RIM=524.04 INV. IN 8" DIP(N)=520.11 INV. IN 8" PVC (W, abandoned)=524.46 INV. OUT=517.31
RIM=528.09 INV. IN=516.94 INV. OUT=516.84
RIM=528.33 INV. IN=516.63 INV. IN=516.58 INV. OUT=516.53
FFE 526.55
FFE 526.00
FFE 526.35
FFE 527.80
FFE 527.30
FFE 527.25
523.00

DISTURBED AREA=39,450 SF

IMPERVIOUS DATA
WEST SITE AREA
IMPERVIOUS (EXISTING)=843,820 SF
IMPERVIOUS DEMO=6,515 SF
(INCLUDES PLANNED REMOVAL OF EXISTING BUILDING AND SHED BY OWNER) (NOT IN THIS PROJECT)
IMPERVIOUS ADDED=6,130 SF
IMPERVIOUS (PROPOSED)=843,435 SF
IMPERVIOUS NET CHANGE=385 SF REDUCTION
EAST SITE AREA
IMPERVIOUS (EXISTING)=45,475 SF
IMPERVIOUS (PROPOSED)=45,475 SF
TOTAL SITE AREA
IMPERVIOUS (EXISTING)=889,295
IMPERVIOUS (PROPOSED)=888,910 SF
IMPERVIOUS NET CHANGE=385 SF

PARKING	
EXISTING (AF THOMPSON)	11(5S)/0(HC)
EXISTING (WATER TREATMENT)	4(S)/0(HC)
PROPOSED	
AF THOMPSON	23(S)/3(HC)
WATER TREATMENT	4(S)/0(HC)

MAX ALLOWED/PROPOSED=26 SPACES (AF THOMPSON)

BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	CH	11/21/2025
3	RESPONSE TO COMMENTS	T&H	8/3/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL, JR 12.19.2025

NORTH CAROLINA THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

EX CONDITIONS-DEMO

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

40 0 20 40
GRAPHIC SCALE:
1 INCH = 40 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	1" = 40'

C-1.0

Z:\30833\30833.0000\ENGINEERING\DRAWINGS\SITE & UTILITY\C-2.0 SITE.DWG - Dec 16, 2025 - 9:43 AM

PROPOSED ENTRANCE (GRAVEL AND ASPHALT) 24' WIDE WITH 20'RADII
PROPOSED TREELINE
20' SETBACK LINE
15" RCP @ 1% GRADE
NCDOT SIGHT TRIANGLE-TYP
PROPOSED RETAINING WALL
PROPOSED EQUIPMENT BUILDING (ALT NO. 1)
NEW LIGHT
PROPOSED CHAIN LINK FENCE
COVERED STORAGE
EXISTING GRAVEL
DIMMOCKS MILL ROAD S.R.1744 (60' ROW)
NEW ROOF
CONCRETE PAD
ROOFLINE
100' PUBLIC UTILITY BUILDING SETBACK LINE
PROPERTY LINE
NEW LIGHT
GREENSPACE
EXISTING BUILDING
PROPOSED HANDICAP PARKING AND RAMP
PROPOSED CHAIN LINK FENCE
PROPOSED BUILDING ADDITION
PROPOSED 4' SIDEWALK
NEW ELECTRICAL SERVICE FROM STREET (600 AMP-ROUTING TO BE DETERMINED)
PROPOSED CONCRETE PAD (HD CONCRETE) AND ENCLOSURE FOR TRASH RECEPTACLES (12 ROLL-OUT CARTS)
PROPOSED CONCRETE PAD (HD CONCRETE) FOR NEW EMERGENCY GENERATOR TO REPLACE EXISTING (GENERATOR DESIGN BY OTHERS)
20' SETBACK AND LANDSCAPE BUFFER LINE (A VARIANCE FROM THE REQUIRED 100' PUBLIC UTILITY SETBACK REQUIREMENT WAS ISSUED BY THE HILLSBOROUGH BOARD OF ADJUSTMENT ON 11/14/2024)
NOTE-TREE PROTECTION- NO DISTURBANCE PAST TREE PROTECTION FENCING (TYP)
EXISTING DOGWOOD TREE TO REMAIN
PROPOSED PARKING
NEW LIGHT
RELOCATED STORAGE SHED
EXISTING FUEL TANK TO REMAIN
OFF-STREET LOADING AREA
EXISTING CLEARWELLS TO REMAIN
100' PUBLIC UTILITY BUILDING SETBACK LINE
PROPOSED PARKING 9'X18' STANDARD SPACES 8'X18'ADA SPACES (STANDARD ASPHALT IN PARKING SPACES, HD ASPHALT IN DRIVE AISLES)
PROPOSED DRIVE-THROUGH WASH PIT (HD CONCRETE)
WASTEWATER PUMP STATION
EXISTING CLEARWELL TO REMAIN
20' SETBACK LINE
PROPERTY LINE
EX. 100-YEAR FLOODPLAIN BASE FLOOD ELEV ESTIMATED AT 518.8 (APPROX 60% FROM CROSS SECTION 69 AT 518.4 AND CROSS SECTION 71 AT 519.1)
NOTE-TREE PROTECTION- NO DISTURBANCE PAST TREE PROTECTION FENCING (TYP)
EX. FLOODWAY
EX OH POWER
EX 2" FORCE MAIN
EX 18" RCP
EX 8" PVC SANITARY SEWER
EX. FLOODWAY
ENO RIVER
NOTE-TREE PROTECTION- NO DISTURBANCE PAST TREE PROTECTION FENCING (TYP)
NOTE-TREE PROTECTION- NO DISTURBANCE PAST TREE PROTECTION FENCING (TYP)
EX POWER IN 68' EASEMENT
EX 8" PVC SANITARY SEWER
EX 100-YEAR FLOODPLAIN
REX DRIVE (60' ROW)
NADB3
N

DISTURBED AREA=39,450 SF

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PARKING	
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EXISTING (WATER TREATMENT)	4(S)/0(HC)
PROPOSED	
AF THOMPSON	23(S)/3(HC)
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MAX ALLOWED/PROPOSED=26 SPACES (AF THOMPSON)

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	CH	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL JR SEAL
12.19.2025

THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
111 W. MAIN STREET
DURHAM, NC 27701
919.682.0368
www.thomasandhutton.com

SITE LAYOUT

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

40 0 20 40
GRAPHIC SCALE:
1 INCH = 40 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	1" = 40'

C-2.0



LANDSCAPE NOTES

1. LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLIANCE.
2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, DEPTHS, QUANTITIES, DISTANCES, ANGLES AND SLOPES PRIOR TO ORDERING MATERIALS OR INSTALLING PROJECT. TOWN OF HILLSBOROUGH STAFF TO THE INVITEES TO THE PRE-CONSTRUCTION CONFERENCE. TOWN OF HILLSBOROUGH PLANNING STAFF WILL SET UP THE PRE-CONSTRUCTION CONFERENCE MEETING.
3. IN AREAS OF GROUND COVER, MAINTAIN A 12" MINIMUM DISTANCE BETWEEN PLANTS AND HARD IMPROVEMENTS.
4. BED LINES SHALL CONFORM TO CONFIGURATION SHOWN ON THE PLANS. BED LINES SHALL MEET CURBS, WALKS, BUILDINGS, ETC. AT RIGHT ANGLES UNLESS SHOWN OTHERWISE. A TREE PROTECTION FENCE INSPECTION BY TOWN STAFF MUST OCCUR BEFORE LAND DISTURBANCE MAY BEGIN.
5. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELF WITH ACTUAL CONDITIONS AND VERIFY EXISTING CONDITIONS IN THE FIELD. CONTRACTOR SHALL REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT.
6. CONTRACTOR SHALL ACCEPT ACTUAL CONDITIONS AT SITE AND PERFORM THE WORK SPECIFIED INCLUDING FINE GRADING AND INCORPORATION OF TOP SOIL INTO PLANTING AREAS, WITHOUT ADDITIONAL COMPENSATION FOR POSSIBLE VARIATION FROM GRADES AND CONDITIONS SHOWN, WHETHER SURFACE OR SUBSURFACE, EXCEPT AS PROVIDED FOR IN CONTRACT DOCUMENTS.
7. IN LAWN AREAS, 2" TOPSOIL SHALL BE TILLED INTO THE TOP 5" OF GROUND PRIOR TO SEEDING.
8. CONTRACTOR WILL OBTAIN WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT FOR ANY PLANT SUBSTITUTIONS OF SPECIES, SIZE, OR TYPE OF CONTAINER. TOWN OF HILLSBOROUGH PLANNING AS AN APPROVAL PARTY FOR ANY LANDSCAPE PLANTING SUBSTITUTIONS.
9. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THESE UTILITIES DURING INSTALLATION, AND SHALL PROMPTLY REPAIR AND RESTORE SERVICES AT NO ADDITIONAL COST TO THE OWNER IF DAMAGE OCCURS DURING INSTALLATION.
CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH THE FULL SET OF CONSTRUCTION DRAWINGS AND SPECIFICATIONS FOR COORDINATION WITH UTILITIES, ARCHITECTURAL FEATURES, ETC.
10. CONTRACTOR WILL LEAVE DISTURBED AREAS LEVEL AND RAKED SMOOTH, REMOVING ALL ROCKS AND DEBRIS.
11. MULCH IS TO BE A 3" LAYER OF TRIPLE SHREDDED HARDWOOD MULCH. MULCH IS TO BE KEPT AWAY FROM TREE TRUNKS.
12. ANY DAMAGE TO EXISTING CONDITIONS OUTSIDE THE CONTRACT LIMITS, INCLUDING CURBS, SIDEWALKS, TURF AREAS AND PAVING, SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR WITHOUT EXTRA COST TO THE OWNER.
13. IN CASE OF DISCREPANCY BETWEEN THE QUANTITY OF PLANTS ON THE PLANS COMPARED TO THE PLANT LIST, THE CONTRACTOR SHALL SUPPLY QUANTITIES AS SHOWN ON THE PLANS.
14. ALL UNPAVED SURFACES ARE TO BE COVERED IN PLANTS, MULCH, OR GRASS.
15. ALL UNTREATED PERVIOUS AREAS THE SOIL SHALL BE AMENDED TO PROVIDE SUFFICIENT ORGANIC MATTER FOR LONG-TERM VEGETATION GROWTH AND INFILTRATION. IF SOILS ARE NOT AMENDED, PROVIDE JUSTIFICATION (i.e. SOIL TEST RESULTS) FOR WHY THE AMENDMENT IS NOT NECESSARY. USE ADDITIONAL AMENDMENTS AS NECESSARY TO ENSURE THAT THE PERVIOUS SURFACE IS INFILTRATING STORMWATER AT PRE-DEVELOPMENT RATES.

PARKING LOT LANDSCAPING CALCULATIONS

PARKING LOTS SHALL CONTAIN AT LEAST 1 SHADE TREE FOR EVERY SEVEN PARKING SPACES REQUIRED FOR THE SITE.

REQUIRED SPACES = 21

21 SPACES / 7 = 3 TREES REQUIRED / 4 PROVIDED

BUFFER PLANTINGS

NORTH BUFFER = 20' TYPE "B2" BUFFER PER 5.2.40.1.a IN UDO (240 LF)
PER TABLE 6.5.4.2 IN UDO
240LF TOTAL NORTH BUFFER/ PLANT MATERIAL REQUIRED PER 100 LF = 2.40 PLANTS
2.40 x 2 LARGE TREE = 4.8 PROPOSED LARGE TREE
2.40 x 4 SMALL TREE/LARGE SHRUB = 9.6 PROPOSED SMALL TREE OR LARGE SHRUB
4.8 AGA LARGE TREE
+ 9.6 MCS/ICN LARGE SHRUBS OR MVS/AGA SMALL TREE
= TOTAL 14.4

Table 6.5.4.2: Standards for Type B Buffers

Buffer Type	Required Buffer Width	Minimum # Plantings Required Per 100 Linear Feet of Buffer		Structure Type & Height Required
B1	15 Feet	Large Trees	3	8-foot Fence
		Small Trees or Large Shrubs	0	
		Mid-size or Small Shrubs	0	
B2	20 Feet	Large Trees	2	6-foot Fence
		Small Trees or Large Shrubs	4	
		Mid-size or Small Shrubs	0	
B3	25 Feet	Large Trees	3	Not Required
		Small Trees or Large Shrubs	4	
		Mid-size or Small Shrubs	0	
B4	30 Feet	Large Trees	3	Not Required
		Small Trees or Large Shrubs	0	
		Mid-size or Small Shrubs	16	
B5	40 Feet	Large Trees	2	Not Required
		Small Trees or Large Shrubs	2	
		Mid-size or Small Shrubs	10	

Fences in the Type B buffer shall be wood, metal, brick, masonry, or stone and are not required to be opaque. Acceptable styles include picket, post and rail, alternating board, stockade, and pierced or open block. The use of chain link with vinyl slats, vinyl, galvanized or sheet metal are not acceptable.

At least 50% of the shrubs for Type B buffers shall be evergreen, based on the number of plants required in the table

PLANT SCHEDULE

TREES

QUANTITY	ABBREVIATION	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	ESTIMATED MATURE HEIGHT	SPACING	MISCELLANEOUS / REMARKS
4	AGA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn BrillianceServiceberry	B & B OR CONT. ; 6' - 8' HT.	15-25'HT	AS SHOWN	Full, Specimen, Buffer
2	MVS	Magnolia virginiana	Sweet Bay Magnolia	B & B OR CONT. ; 6' - 8' HT.	10-20'HT	AS SHOWN	Full, Specimen, Buffer
9	UA	Ulmus americana'Princeton'	American Elm	B & B ; 8' - 10' HT. 3"CAL.	60-80' HT	AS SHOWN	Full, Specimen, Buffer
2	QLO	Quercus lyrata	Overcup Oak	B & B ; 8' - 10' HT. 3"CAL.	60-80' HT	AS SHOWN	Full, Specimen, Replacement

SHRUBS

QUANTITY	ABBREVIATION	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	ESTIMATED MATURE HEIGHT	SPACING	MISCELLANEOUS / REMARKS
49	AGR	Abelia grandiflora 'Radiance'	Glossy Abelia	3 GAL. ; 30" X 24"	3-5' HT	4'	Full
9	BSD	Buxus sempervirens 'Dee Runk'	Dee Runk Boxwood	3 GAL. ; 30" X 24"	5-15' HT	4'	Full
35	ICN	Ilex cornuta 'Needlepoint'	Needlepoint Holly	3 GAL. ; 30" X 24"	10-15'HT	4'	Full Buffer
34	IVN	Ilex vomitoria 'Nana'	Dwarf Youpon Holly	3 GAL. ; 18" SPD.	3-5' HT	4'	Full
26	JCB	Juniperus conferta 'Blue Pacific'	Blue Pacific Juniper	3 GAL. ; 12" X 10"	10-18"HT	4'	Full
30	LCD	Loropetalum chinense 'Daruma'	Daruma Chinese Fringe Flower	3 GAL. ; 30" X 24"	3-4' HT	4'	Full
24	MCS	Myrica cerifera	Southern Wax Myrtle	3 GAL. ; 30" X 24"	10-15'HT	4'	Full, Buffer
25	NDO	Nandina domestica 'Obsession'	Obsession Nandina	3 GAL. ; 18" SPD.	3-4' HT	4'	Full

ORNAMENTAL GRASSES AND GROUNDCOVERS

QUANTITY	ABBREVIATION	SCIENTIFIC NAME	COMMON NAME	PLANTING SIZE	ESTIMATED MATURE HEIGHT	SPACING	MISCELLANEOUS / REMARKS
17	CKF	Calamagrostis x acutiflora 'Karl Foerster'	Karl Forester Grass	1 GAL 18"	3-6' HT	18"	Full
46	ECHP	Echinacea purpurea	Purple Coneflower	1 GAL. 12" SPD.	2-4' HT	6"	Full
48	LMB	Liriope muscari 'big blue'	Big Blue Lily Turf	4" POT 6" SPD.	12-18"HT	6"	Full - 32 Flat

BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	WR	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

NORTH CAROLINA LANDSCAPE ARCHITECT 1268 REGISTERED JEREMY S. ANDERSON
12/19/2025

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

LANDSCAPE PLAN

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
715 DIMMOCKS MILL ROAD
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

30 0 15 30
GRAPHIC SCALE:
1 INCH = 30 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833.0000
DATE:	02/26/2025
DRAWN:	PJS
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	1" = 30'

C-2.1



TREE COVERAGE

PARCEL = 588,060 SF / 13.5 AC

PRE DEVELOPMENT TREE COVERAGE (BASED ON AERIAL PHOTOGRAPH AND TREE SURVEY)
= 312,897 SF / 50.26%

POST DEVELOPMENT TREE COVERAGE (UNDISTURBED AREA) = 306,350 SF / 49.21%

CANOPY TREES REMOVED = 7 CANOPY REMOVED <24" (2 BEECH, 2 OAK, 3 RED MAPLE)
1 RED MAPLE @ >24" = 2 @ 3" TREE REPLACEMENTS PROVIDED (QLO)
TOTAL=8 CANOPY REMOVED

CANOPY TREES TO REMAIN = 5 (2 WHITE OAK (IN LEFT HAND NW CORNER), 1 POPLAR, 1 CEDAR (IN THE NORTH), 1 OAK)

TREES HAVE BEEN SAVED TO THE MOST PRACTICAL EXTENT POSSIBLE BY LIMITING THE AMOUNT OF GRADING BEING PERFORMED WHILE STILL PROVIDING A SITE THAT WILL FUNCTION FOR THE PROPOSED DEVELOPMENT.

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	WR	11/21/2025
3	RESPONSE TO COMMENTS	T&H	6/3/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA
LANDSCAPE ARCHITECT
1268
JEREMY S. ANDERSON
12/19/2025

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Durham, NC 27713 • 919.682.0368
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LANDSCAPE TREE COVERAGE

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

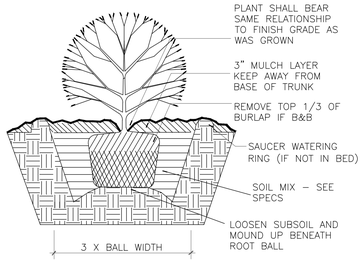
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1 INCH = 60 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

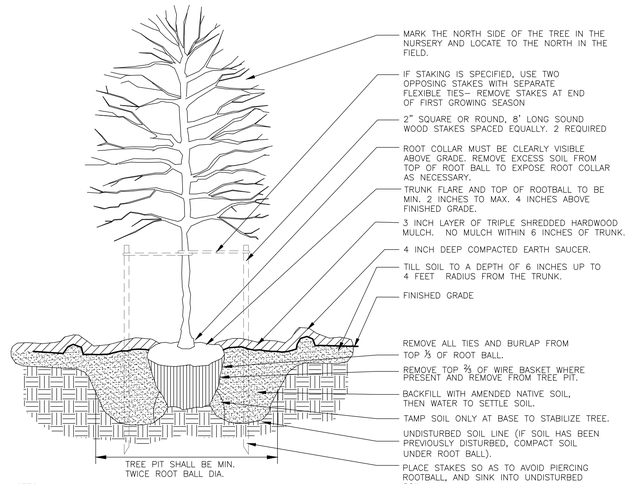
JOB NO:	30833
DATE:	4/16/2025
DRAWN:	PJS
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	1" = 60'

C-2.2

Z:\30833\30833.000\ENGINEERING\DRAWINGS\SITE PLAN\C-2.1 LANDSCAPE.DWG - Dec 19, 2025 - 8:51 AM



1 C-2.3 SHRUB PLANTING
SCALE: 1/2" = 1'-0"



NOTES:
1. THIS STANDARD APPLIES TO SINGLE AND MULTI–STEM TREES.
2. NO SYNTHETIC FABRIC IS ALLOWED ON ROOT BALL.
3. REMOVE ALL BALL TIES OR STRAPPING FROM ROOT BALL.
4. DO NOT INSTALL TREES DURING PERIODS OF WET OR FROZEN SOIL CONDITIONS.
5. SOAK ROOT BALL AND PLANT PIT IMMEDIATELY AFTER INSTALLATION.
6. SET TREE PLUMB IN ALL DIRECTIONS.
7. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE TREE UPRIGHT AND PLUMB IN ALL DIRECTIONS. DO NOT STAKE TREES EXCEPT WHERE SPECIFIED OR DIRECTED BY LANDSCAPE ARCHITECT. IF STAKED, STAKE ONLY AS SHOWN.
8. TREES PLANTED ON STEEP SLOPES SHALL BE STAKED.

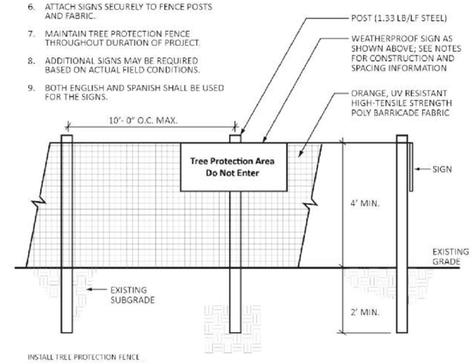
STANDARD PLANTING

2 C-2.3 TREE PLANTING
SCALE: 1/2" = 1'-0"

NOTES:
1. WARNING SIGNS SHALL BE MADE OF DURABLE WEATHERPROOF MATERIAL.
2. LETTERS SHALL BE 3" HIGH MINIMUM, CLEARLY LEGIBLE, AND SPACED AS SHOWN.
3. SIGNS ARE TO BE PLACED NO GREATER THAN 100 FT. ON CENTER.
4. PLACE SIGN AT EACH END OF LINEAR TREE PROTECTION AREAS AND 100 FT. ON-CENTER THEREAFTER.
5. FORE TREE PROTECTION AREAS LESS THAN 100 FT. IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER AREA.
6. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
7. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
8. ADDITIONAL SIGNS MAY BE REQUIRED BASED ON ACTUAL FIELD CONDITIONS.
9. BOTH ENGLISH AND SPANISH SHALL BE USED FOR THE SIGNS.



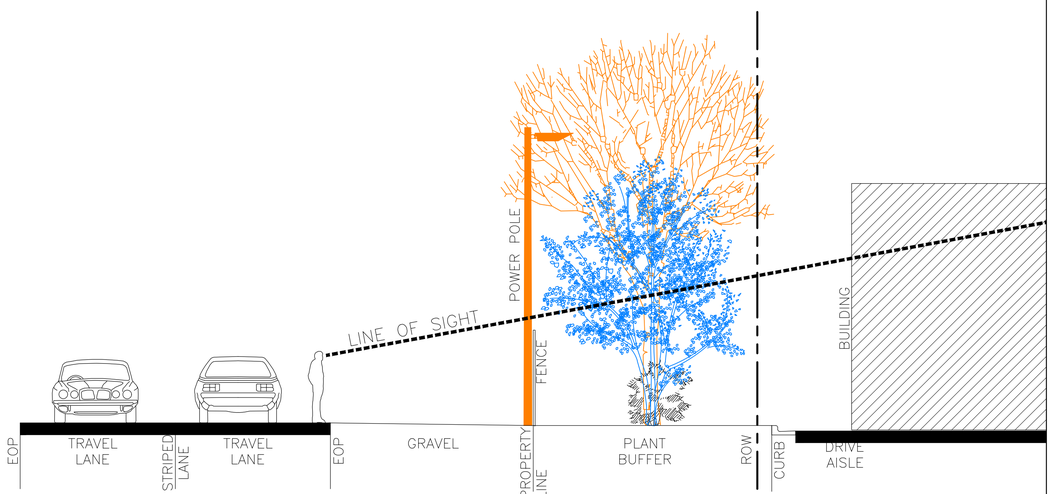
SIGN DETAIL
NO SCALE



INSTALL TREE PROTECTION FENCE & SIGNAGE PRIOR TO CALLING FOR THE INITIAL ON-SITE INSPECTION

TREE PROTECTION FENCE

3 C-2.3 TREE PROTECTION FENCING
SCALE: N.T.S.



4 C-2.3 PLANT BUFFER CROSS SECTION
SCALE: NTS

5 C-2.3 XXXX
SCALE: NTS

BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	WR	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

NORTH CAROLINA LANDSCAPE ARCHITECT 1268 JEREMY S. ANDERSON
12/19/2025

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Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

LANDSCAPE DETAILS

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

GRAPHIC SCALE:
1 INCH = 6 FEET
6 0 3 6

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	4/16/2025
DRAWN:	PJS
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	1" = 6'

C-2.3

Z:\30833\300\01\ENGINEERING\DRAWINGS\SITE PLANS\C-5.0 GRADING.DWG - Dec 18, 2025 - 3:39 PM

2-BEECH TO BE REMOVED (20")
1-BEECH TO REMAIN (8")
WHITE OAK TO REMAIN (24" AND 36")
2 ELMS TO BE REMOVED (5" AND 6")
RED MAPLE TO BE REMOVED (12")
2 OAK TO BE REMOVED (18")
3 RED MAPLE TO BE REMOVED (18", 18", AND 24")
EX 100-YEAR FLOODPLAIN (AS PUBLISHED)
APPROX HIGH WATER LIMITS FROM T.S.CHANTEL (JULY 2025)
6" PVC ROOF LEADER @ 1%
8" PVC ROOF LEADER @ 1% TO EXISTING DRAIN
DIMMOCKS MILL ROAD S.R.1144 (60' ROW)
EXISTING GRATED INLET TO REMAIN
PROPOSED YARD INLET AND 12" PVC GRATE 525.0 INV OUT 518.3
EXISTING 7JUNIPER TO REMAIN
EXISTING POPLAR TREE TO REMAIN
EXISTING CEDAR TREE TO REMAIN
RAMP FROM PORCH LANDING TO PARKING LANDING 28.2' @ 8.2% (536.3 AT TOP,534.0 AT BOTTOM)
EXISTING OAK TREE TO REMAIN
PROPOSED 6" PVC DRAIN UNDER RAMP @ 1% GRADE - SET UPPER END AT PARKING GRADE, LOWER END FLUSH WITH RAMP WALL
PROPOSED YARD INLET AND 15" RCP GRATE 523.5 INV OUT 518.0
EXISTING GRATED INLET TO REMAIN
PROPOSED YARD INLET AND 12" PVC GRATE 524.5 INV OUT 521.0
6" PVC ROOF LEADER @ 1%
COVERED STORAGE RACKS
CONC. BARRIERS
COVERED STORAGE RACKS
RETAINING WALL TOW 526
SEWER SERVICE
TRUCK WASH DRAIN
YARD HYDRANTS AT TRUCK WASH AND PUMP STATION
2" PVC WATER TO TRUCK WASH AND PUMP STATION
PROPOSED DRIVE-THROUGH TRUCK WASH
TRUCK WASH GREASE TRAP
WASTEWATER PUMP STATION 4' MH/12' DEEP
ELECTRIC TOWER
20' SETBACK LINE
PROPERTY LINE
8" PVC ROOF LEADER @ 1% TO EXISTING DRAIN
8" PVC ROOF LEADER @ 1%
EXISTING DOGWOOD TREE TO REMAIN (7")
REX DRIVE (60' ROW)
NAD83
N
DISTURBED AREA=39,450 SF
IMPERVIOUS DATA
WEST SITE AREA
IMPERVIOUS (EXISTING)=843,820 SF
IMPERVIOUS DEMO=6,515 SF
(INCLUDES PLANNED REMOVAL OF EXISTING BUILDING AND SHED BY OWNER) (NOT IN THIS PROJECT)
IMPERVIOUS ADDED=6,130 SF
IMPERVIOUS (PROPOSED)=843,435 SF
IMPERVIOUS NET CHANGE=385 SF REDUCTION
EAST SITE AREA
IMPERVIOUS (EXISTING)=45,475 SF
IMPERVIOUS (PROPOSED)=45,475 SF
TOTAL SITE AREA
IMPERVIOUS (EXISTING)=889,295
IMPERVIOUS (PROPOSED)=888,910 SF
IMPERVIOUS NET CHANGE=385 SF
PARKING
EXISTING (AF THOMPSON) 11(S)/0(HC)
EXISTING (WATER TREATMENT) 4(S)/0(HC)
PROPOSED
AF THOMPSON 23(S)/3(HC)
WATER TREATMENT 4(S)/0(HC)
MAX ALLOWED/PROPOSED=26 SPACES (AF THOMPSON)
ALUM DRAIN LINE-TO REMAIN
PROPOSED 2" PVC SEWER FORCE MAIN
EX POWER
EX 2" FORCE MAIN
EX 18" RCP
LOT AREA 73,668.25 SF
ZONE AE
EX. FLOODWAY
ZONE AE (FLOODWAY)
ENO RIVER
EX POWER IN 68' EASEMENT
CONNECT SEWER FORCE MAIN TO EXISTING MANHOLE
EX 8" PVC SANITARY SEWER
TREELINE

BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	CH	11/21/2025
3	ADD ROOF LEADERS	T&H	7/24/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL, JR 12.19.2025

NORTH CAROLINA THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

GRADING-UTILITY

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

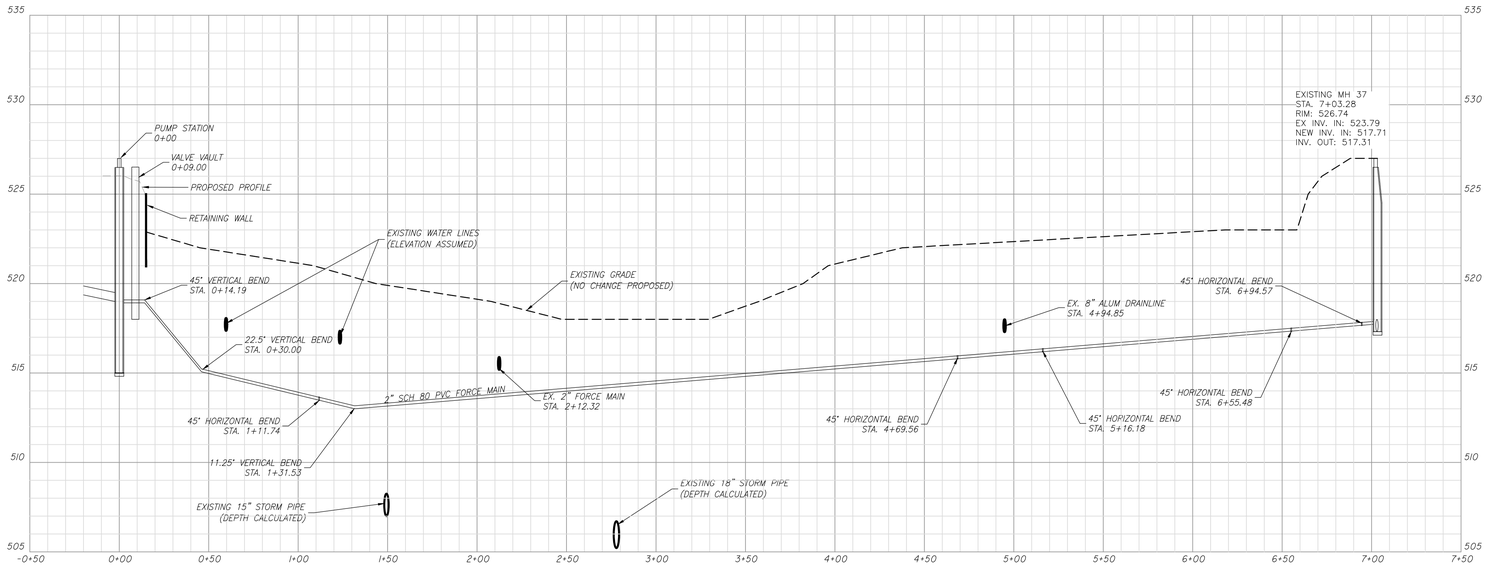
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1 INCH = 40 FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	
REVIEWED:	
APPROVED:	
SCALE:	1" = 40'

C-5.0

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FORCE MAIN PROFILE
STATIONS: -0+50 - 5+00
SCALE: HORIZ: 1" = 40'
VERT.: 1" = 4'

BID SET
NOT FOR CONSTRUCTION

NO.	REVISIONS	BY	DATE
2	BID SET	CH	12.19.2025
1	FLOOD PROTECTION REVISIONS	CH	11/21/2025

NORTH CAROLINA PROFESSIONAL SEAL 049761 ENGINEER CHARLES N HILL, JR
12.19.2025

NORTH CAROLINA THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

FORCE MAIN PROFILE

2025
ADRON THOMPSON SITE IMPROVEMENTS

PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

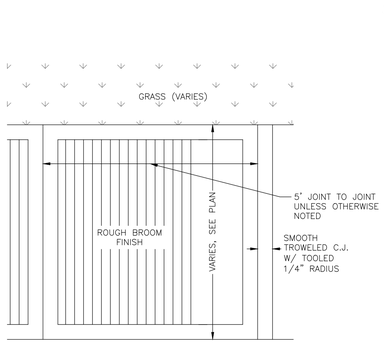
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GRAPHIC SCALE:
1 INCH = 40FEET

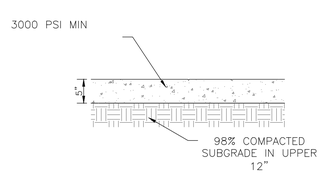
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GRAPHIC SCALE:
1 INCH = ##FEET

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	6/30/2025
DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	1" = 40'

C-5.1



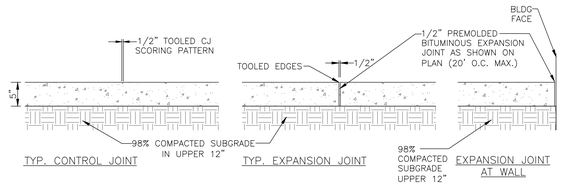


NOTES:

1) 5" THICK CONC., 3000 PSI MIN.
2) ALL SIDEWALKS ARE TO HAVE MAXIMUM 1.8% CROSS SLOPE
3) ALL SIDEWALKS SHALL BE CONSTRUCTED WITH TOOLED 1/4" EDGE RADIUS.

1 CONCRETE SIDEWALK

no scale



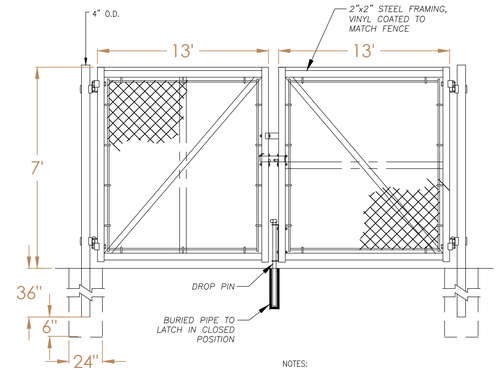
NOTES:

1) 5" THICK CONC., 3000 PSI MIN.
2) ALL SIDEWALK ARE TO HAVE MAXIMUM 1.8% CROSS SLOPE
3) USE 1/2" BITUMINOUS EXPANSION JOINT A MAX. OF 20' O.C. AND WHENEVER CONCRETE WALK MEETS FIXED OBJECTS (IE. CURBS, BLDG. ETC.). EXPANSION JOINTS THAT ABUT BUILDINGS WALL SHALL BE SEALED WITH A FOAM BACKER ROD AND ELASTOMERIC SEALANT.

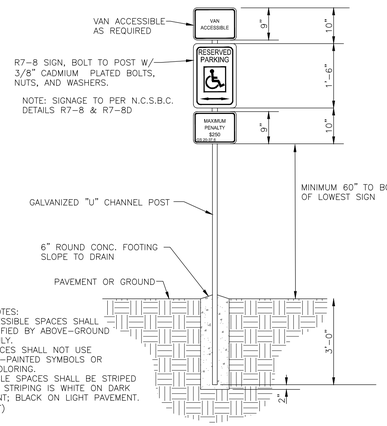
   ALL CONSTRUCTION JOINTS AND EXPANSION JOINTS IN NCDOT RIGHT-OF-WAY SHALL BE SEALED PER NCDOT STANDARDS AND SPECIFICATION.
4) ALL SIDEWALKS SHALL BE CONSTRUCTED WITH TOOLED 1/4" EDGE RADIUS.

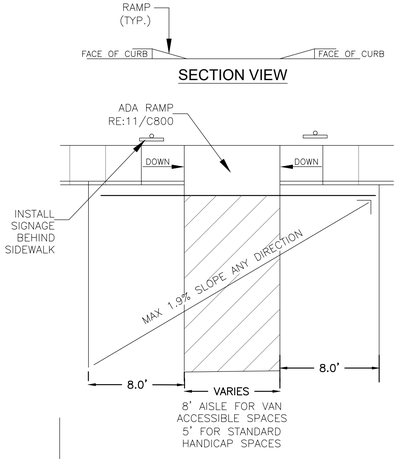
2 CONCRETE SIDEWALK JOINTS

no scale



NOTES:
9 GA. FENCE WIRE, VINYL COATED TO MATCH FENCE



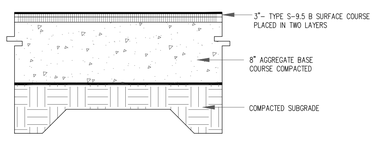


3 ADA PARKING LAYOUT AND SIGNAGE

no scale

6 HEAVY DUTY ASPHALT PAVING

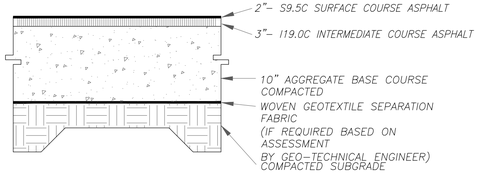
no scale



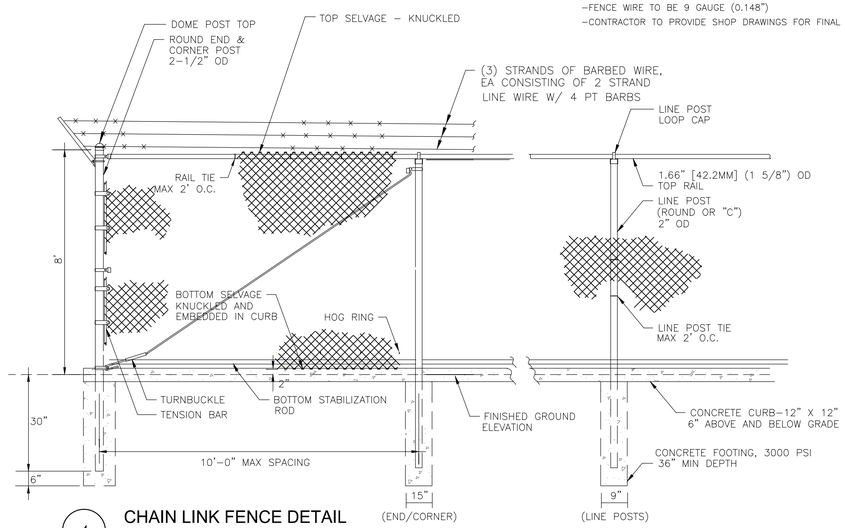
FINAL PAVEMENT SECTION IS PROVIDED BY GEO-TECHNICAL ENGINEER BASED SITE SPECIFIC GEO-TECHNICAL REPORT

5 STANDARD ASPHALT PAVING

no scale



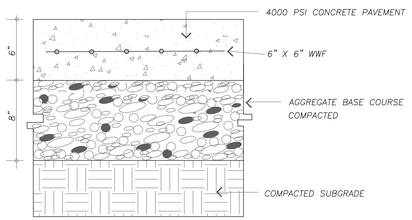
FINAL PAVEMENT SECTION IS PROVIDED BY GEO-TECHNICAL ENGINEER BASED SITE SPECIFIC GEO-TECHNICAL REPORT



4 CHAIN LINK FENCE DETAIL

no scale

- FENCE ALIGNMENT TO FOLLOW GRADE; TOP RAIL TO BE PARALLEL TO FINISHED GRADE
- POSTS. FABRIC, CAPS AND TENSION WIRE FENCE COMPONENTS TO BE COATED WITH A COLOR OF GREEN. FINAL COLOR CHOICE BY OWNER, FROM MANUFACTURER'S STANDARD COLORS.
- FENCE WIRE TO BE 9 GAUGE (0.148")
- CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FINAL APPROVAL BY OWNER



NOTES:

1. *ALL CONCRETE TO 4000 PSI, PROPERLY AIR ENTRAINED FOR EXTERIOR GRADE CONCRETE MIXES.*
2. *CABC BASE AND SOIL SUBGRADE TO BE COMPACTED TO 98% OF THE ASTM D-698 STD. PROCTOR MDD IN ACCORDANCE WITH THE REPORT BY THE GEOTECHNICAL ENGINEER AND PROOFROLLED AND APPROVED BY GEOTECHNICAL PERSONNEL.*
3. *CONTRACTOR SHALL INSTALL CONTRACTION AND EXPANSION JOINTS AS NECESSARY TO MINIMIZE CRACKING. CONTRACTION JOINTS SHALL BE SPACED AT 10' MAXIMUM EACH WAY WITH ACTUAL PATTERN BASED ON FIELD CONDITIONS. JOINTS SHALL BE TOOLED OR SAW CUT TO A MINIMUM DEPTH OF 2". EXPANSION JOINTS SHALL BE INSTALLED BETWEEN PAVEMENT AND ANY RIGID OBJECTS AND SPACED AS SPECIFIED IN LATEST VERSION OF ACI STANDARDS.*
4. *ALL PAVEMENT CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST VERSION OF ACI STANDARDS AND THE REPORT BY THE GEOTECHNICAL ENGINEER.*

7 HEAVY DUTY CONCRETE PAVING

no scale

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	CH	11/21/2025
3	FENCE COATING REVISION		6/13/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL SEAL 5891 ENGINEER CHARLES N HILL, JR.
THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION
12.19.2025

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

DETAILS

2025
ADRON THOMPSON SITE IMPROVEMENTS

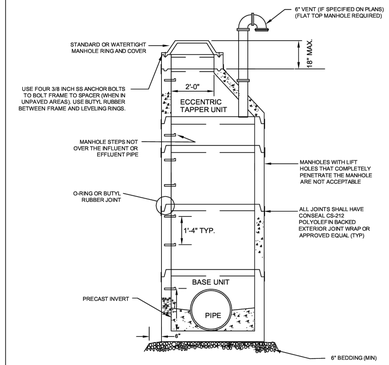
PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	N/A

C-6.0



NOTES:

1. ALL VENT OPENINGS SHALL BE TWO FEET ABOVE HUNDRED YEAR FLOOD ELEVATION
2. VENT SHALL BE DIP WITH SS INSECT SCREEN
3. VENT SHALL BE ANGLED OR GOOSE-NECKED.
4. PIPING DEEPER THAN 16 FT SHALL REQUIRE A 5 FOOT DIAMETER MANHOLE WHILE MANHOLES 20 FOOT OR DEEPER SHALL BE 6 FOOT IN DIAMETER

rev	description		KPK app'd	KPK date

Town of Hillsborough

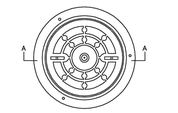
PRECAST CONCRETE MANHOLE

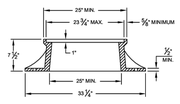
PO Box 429
101 East Orange Street
Hillsborough, North Carolina 27278
919.732.1270

scale | NTS
date | JUNE 2012
approved | Kenneth P. Keel, P.E., Town Engineer

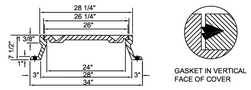
drawing no. | **S-08**

6 C2.10 SANITARY SEWER MANHOLE
NTS





SECTION A-A
STANDARD MANHOLE COVER & FRAME



SECTION A-A
WATERTIGHT MANHOLE COVER & FRAME

NOTES:

1. CASTINGS SHALL BE MADE-IN-USA CONFORMING TO ASTM A48, CLASS 35B GRAY CAST IRON
2. MANHOLE FRAME & COVER TO BE H-20 LOAD RATED IN PAVED AREAS

rev	description		KPK app'd	KPK date

Town of Hillsborough

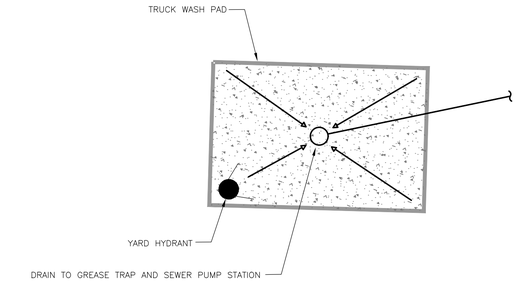
FRAMES AND COVER

PO Box 429
101 East Orange Street
Hillsborough, North Carolina 27278
919.732.1270

scale | NTS
date | JUNE 2012
approved | Kenneth P. Keel, P.E., Town Engineer

drawing no. | **S-09**

7 C2.10 SANITARY SEWER FRAME AND COVER
NTS



NOTES:

1. WASH PAD SHALL BE 8" THICK REINFORCED CONCRETE, 4,000 PSI.
2. WASH PAD SHALL DRAIN TO CENTER DRAIN TO COLLECT ALL WASH WATER FOR TREATMENT.
3. GRADING NEAR WASH PAD SHALL BE PERFORMED TO PREVENT OTHER SURFACE WATER FROM ENTERING WASH PAD.

8 C2.10 TRUCK WASH PAD
NTS

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	CH	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER CHARLES N HILL, JR
12.19.2025

THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

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DETAILS

2025
ADRON THOMPSON SITE IMPROVEMENTS

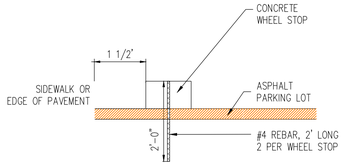
PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

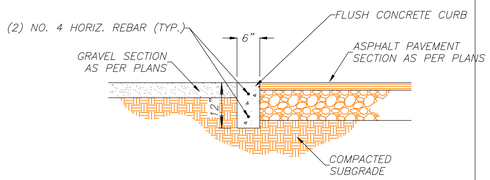
DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	N/A

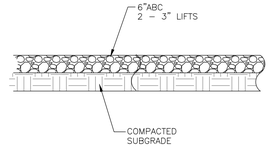
C-6.1



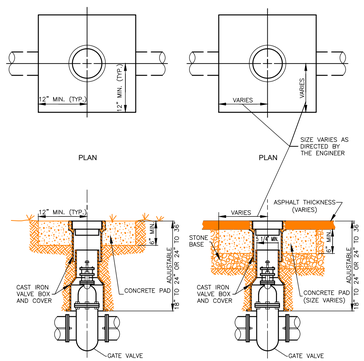
1 C800 WHEEL STOP
NTS



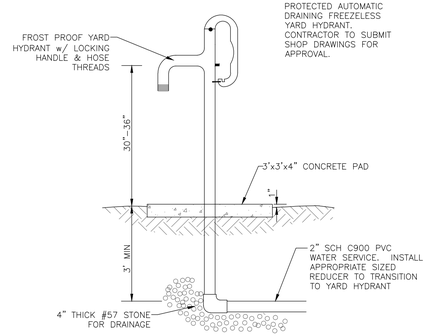
7A C800 ASPHALT TO GRAVEL TRANSITION - FLUSH CURB
NTS



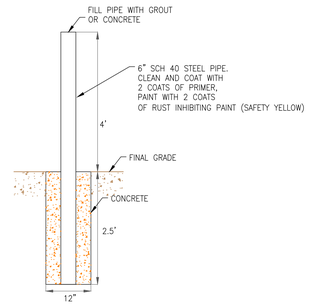
1 SD-8.0 GRAVEL STORAGE AREA CROSS SECTION



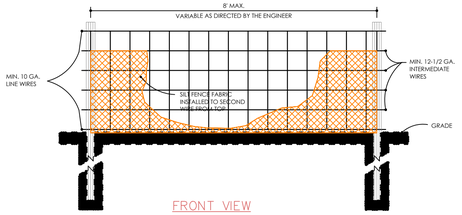
4 C-504 VALVE BOX
NTS



6 C-504 YARD HYDRANT
NTS



2 C801 6" BOLLARD
NTS

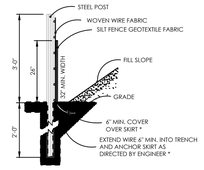


FRONT VIEW

NOTE:

-USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW

-END OF SILT FENCE NEEDS TO BE TURNED UPHILL.



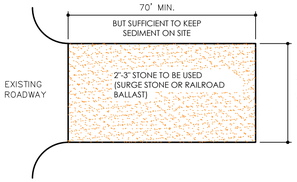
SIDE VIEW

* FOR REPAIR OF SILT FENCE FAILURES, USE No. 57 WASHED STONE. FOR ANCHOR WHEN SILT FENCE IS PROTECTING CATCH BASIN.

REVISIONS	
DATE	DESCRIPTION
12-5-00	SIDE VIEW WIRE TRENCH

STANDARD TEMPORARY SILT FENCE

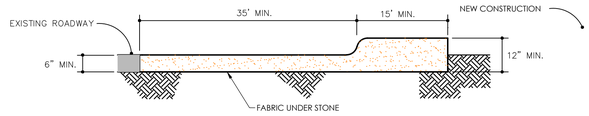
1



PLAN

NOTES:

1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
3. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.

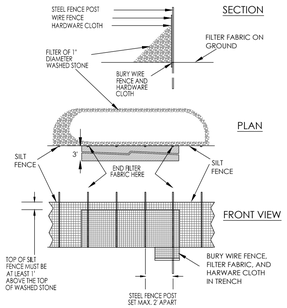


CROSS SECTION

REVISIONS	
DATE	DESCRIPTION

CONSTRUCTION ENTRANCE

7



MAINTENANCE:
INSPECT AT LEAST WEEKLY AND AFTER ½" RAIN OR MORE. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE FOR THE NEXT RAIN.

SILT FENCE OUTLET

CONSTRUCTION SEQUENCE

Pre Construction

1. Verify that all approvals and permits necessary to begin and complete the project are in hand. Approval and permits must be obtained prior to disturbance so that work will not be interrupted or delayed due to the lack of approved plans.

2. Schedule and hold a preconstruction conference before starting demolition, clearing or grading with the owner, contractor responsible for grading and erosion control, person responsible for supervising implementation of the erosion control plan, Town of Hillsborough staff, and the NCDEQ Erosion Control Inspector. Town staff will set up this meeting with all required parties if contact information for said parties is made available.

3. Install a rural type mailbox on the site to hold a copy of the approved erosion control plan and to provide a place for the inspector(s) to leave inspection reports, compliance notices, etc. Place the mailbox in a convenient location, such as at the entrance to the site or next to the construction trailer. Erosion control personnel will leave correspondence in the box and raise the red flag if personnel responsible for erosion control cannot be located on the site. Site personnel should check the box daily.

Construction

4. Install silt fence and tree protection fence. Tree protection fence must be inspected and approved by Town staff prior to beginning land disturbance. Clear and demo areas shown inside of the limits of disturbance as necessary to begin construction. Limit disturbance to areas necessary for construction activities at that time. Stabilize disturbed areas as soon as possible.

5. Demo existing utilities as shown and construct new storm drainage. Install inlet protection around new inlets immediately after construction. Seal all junction boxes from stormwater intake from surface. Seal any inlets to stormwater structures not protected by inlet projection.

6. Minimize the amount of area disturbed at any one time.

7. During construction, some temporary measures will be removed to allow construction of permanent facilities.

8. If it is determined during the course of construction that significant sediment is leaving the site despite proper implementation and maintenance of the approved erosion control plan, the person responsible for the land disturbing activity is obligated to take additional protective action.

9. Inspect and maintain the erosion control devices so they continue to function properly. Refer to the instructions in the erosion control plan for specific instructions for each device. The person responsible for erosion control is also responsible for taking the initiative in inspecting and maintaining these devices. Do not wait for erosion control personnel to point out the need for repairs and maintenance. Keep mud and debris off the public street at all times. If mud or debris is tracked from the site, use a shovel and broom to remove it immediately. IF MUD AND DEBRIS ARE NOT KEPT OFF THE STREET, ENFORCEMENT ACTION (REVOKING THE GRADING PERMIT AND/OR A STOP WORK ORDER) MAY BE TAKEN!!

10. Permanently stabilize all disturbed areas. Refer to seeding schedule for types of stabilization to be used.

11. When construction is completed, remove all temporary erosion control devices after the drainage area above has been sufficiently been stabilized to restrain erosion. Remove and properly dispose of accumulated sediment and the debris from the devices, and stabilize the location.

12. Arrange a final inspection with the erosion control inspector to confirm that all requirements of the approved erosion control plan have been completed.

5 / 8.3 CONSTRUCTION SEQUENCE
NTS

FALL/WINTER/SPRING TEMPORARY COVER	AUGUST 15 – MAY 1
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	25 lbs/1000 sf
Oat Seed	2 lbs/1000 sf
Rye Grain Seed	1 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf
SUMMER TEMPORARY COVER	MAY 1 – AUGUST 15
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	15 lbs/1000 sf
Browntop Millet Seed	1 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf
SPRING/FALL PERMANENT COVER	MARCH 1 – APRIL 30
	AUGUST 16 – OCTOBER 31
Lime	100 lbs/1000 sf
10-10-10 Fertilizer	25 lbs/1000 sf
Improved Turf Type Fine Fescue Seed	8 lbs/1000 sf
Straw Mulch *	100 lbs/1000 sf
SUMMER PERMANENT COVER	APRIL1 – AUGUST 15

GRASS	PLANTING DATE [1]	SEEDS [2]	SPRIGS [3]	STOLONS
BERMUDAGRASS	APRL–JULY	1–2	.75	3–5
BERMUDAGRASS(HYBRID)	APRL–JULY	–	.75	3–5
CENTIPDEGRASS	MARCH–JULY	.25–.50	.75	–
ST.AUGISTINEGRASS	APRIL–JULY	–	1.0	–
TALL FESCUE	SEPT.–OCT.15	6	–	–
ZOYSIAGRASS	MAY–JULY	.50–1.0	.25	3–5

1. OPTIMUM DATE OF PLANTING. SEEDING BEYOND THESE DATES INCREASES THE CHANCE OF FAILURE.
2. POUNDS PER 1000 SQ.FT.
3. BUSHELS PER 1000 SQ.FT.

Seedbed Preparation: Remove rocks, stumps, roots, etc. Apply lime and fertilizer then rip the soil 4 to 6 inches to mix the nutrients into the soil and to loosen and roughen it to recieve seed.

Seed Temporary cover to stabilize temporary sedimentation control measures and other accomplished. If planting season is not suitable for installation of permanent cover. Contractor shall install temporary cover suitable for that season and reseed with permanent grass at earliest possible date.

* Anchor straw mulch by applying an asphalt binder emulsion at a rate of 10 gallons per 1000 SF, or install jute, paper or twine netting or excelsior mats staked to ground according to the manufacturer's instructions.

2 / CD-8.1
SEEDING SCHEDULE
NTS

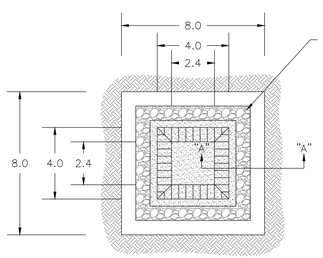
STABILIZATION TIME TABLE
Ongoing Activity. Land left exposed shall be planted or otherwise provided with temporary ground cover, devices, or structures sufficient to restrain erosion within the applicable time period after completion of any phase of grading or period of inactivity as follows:
- seven days for a steep slope;
- ten days for a moderate slope;
- 14 days for land with no slope or inclination.

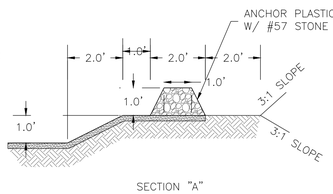
For purposes of this section, a moderate slope means an inclined area, the inclination of which is less than or equal to three units of horizontal distance to one unit of vertical distance; and a steep slope means an inclined area, the inclination of which is greater than three units of horizontal distance to one unit of vertical distance.

Completed Activity. For any area of land-disturbing activity where grading activities have been completed, temporary or permanent ground cover sufficient to restrain erosion shall be provided as soon as practicable, but in no case later than seven days after completion of grading.

"EXPOSED" AREAS INCLUDE, BUT ARE NOT LIMITED TO:
- AREAS CLEARED FOR ROADWAY CONSTRUCTION.
- AREAS CLEARED ON RESIDENTIAL BUILDING LOTS.
- DRAINAGE EASEMENTS AND OPEN DRAINAGE CHANNELS.
- SEDIMENT AND EROSION CONTROL MEASURES (SEDIMENT TRAPS, DIVERSION DITCHES, ETC.) AND THE AREAS ADJECENT TO SUCH MEASURES.

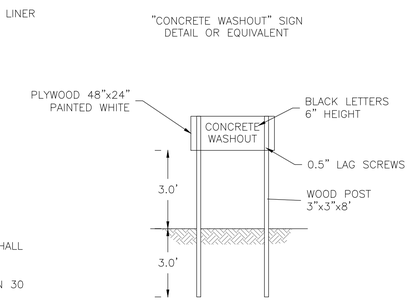
NOTE: BASE BID TO INCLUDE ANY TEMPORARY SEEDING REQUIRED





SECTION "A"

NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN FIELD – LOCATION SHALL BE AT LEAST 50' FROM ANY STORM DRAIN, OPEN DITCH, OR WATERBODY
2. THE "CONCRETE WASHOUT" SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY
3. PIT CAPACITY IS MINIMUM OF 8 CU FT PER 10 CU YD OF CONCRETE
4. CONCRETE WILL BE REMOVED FROM THE PIT ONCE IT REACHES HALF FULL.
5. CONTRACTOR TO COORDINATE WITH USAGE CONTRACTING OFFICER FOR PROPER DISPOSAL OF CONCRETE



2 / 8.3 CONCRETE WASHOUT
NTS

NO.	REVISIONS	BY	DATE
5	BID SET	CH	12.19.2025
4	FLOOD PROTECTION REVISIONS	CH	11/21/2025
3	RESPONSE TO COMMENTS	T&H	6/3/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

BID SET
NOT FOR CONSTRUCTION

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049871 CHARLES N HILL, JR
12.19.2025

THOMAS & HUTTON ENGINEERING CO. No. F-0871 CERTIFICATE OF AUTHORIZATION

THOMAS & HUTTON
2510 Meridian Parkway • Suite 100
Durham, NC 27713 • 919.682.0368
www.thomasandhutton.com

DETAILS

2025
ADRON THOMPSON SITE IMPROVEMENTS

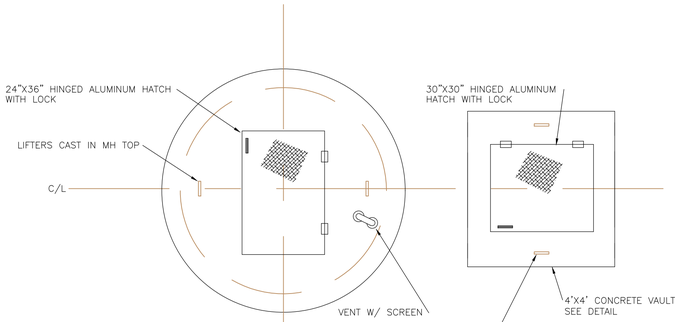
PROJECT LOCATION:
HILLSBOROUGH, NORTH CAROLINA

CLIENT/OWNER:
TOWN OF HILLSBOROUGH
NORTH CAROLINA

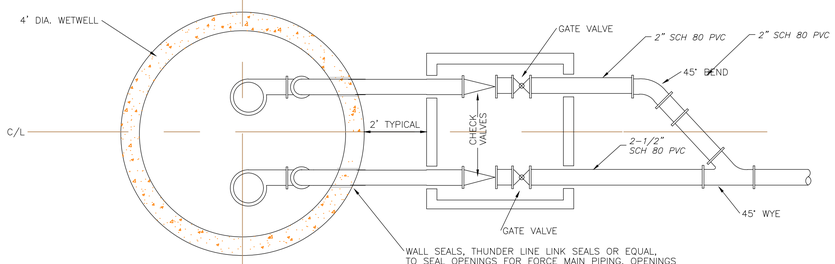
DATUM: HORIZ.: NAD83 VERT.: NAVD88

JOB NO:	30833
DATE:	02/26/2025
DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	N/A

C-6.2



TOP PLAN



PLAN VIEW – TOP REMOVED

PROVIDE CONDUITS FROM CONTROL PANEL TO WETWELL FOR FLOAT CABLES AND POWER TO PUMPS

PUMP STATION ACCESSORIES

* PUMP MANUFACTURER WILL SUPPLY A GUIDE RAIL ASSEMBLY WITH TWO INCH DIAMETER SCHEDULE 40 HOT DIPPED GALVANIZED PIPES FOR EACH PUMP. A 316 STAINLESS STEEL LIFT CHAIN WILL BE PROVIDED FOR EACH PUMP. THE TOP RAIL SUPPORT WILL BE BOLTED TO THE ACCESS HATCH FRAME AND FLAT TOP COVER.
* FOUR MERCURY FLOAT SWITCHES WILL BE PROVIDED AND INSTALLED AS SHOWN ON THE DRAWINGS. FLOATS WILL BE A CHEMICAL RESISTANT POLYPROPYLENE AIR FILLED CASING WITH A SINGLE POLE MERCURY SWITCH AND ELECTRICAL CABLE PERMANENTLY ENCAPSULATED INTO THE FLOAT. CORD LENGTHS WILL BE PROVIDED AS NECESSARY FOR THE APPLICATION.
* A 1-1/2" X 1/4" ALUMINUM FLAT BAR WITH INCORPORATED PVC CABLE GLAND WILL BE ATTACHED TO THE WET WELL WALL AND USED TO SUPORT THE FLOATS.

THE CONTRACTOR WILL FURNISH TO THE ENGINEER FOR REVIEW A MINIMUM OF THREE (3) SETS OF SHOP DRAWINGS FOR ITEMS TO BE USED IN THE CONSTRUCTION OF THIS PROJECT.

PIPING AND ACCESSORIES

* ALL 2" FORCE MAIN PIPE WILL BE OF PVC MATERIAL, SCHEDULE 80 WITH SOLVENT-CEMENT JOINTS. PVC PIPING WILL MEET ASTM D-1785 SPECIFICATION AND CONFORM TO APPLICABLE AWWA STANDARDS FOR THE MATERIAL BEING USED. FITTINGS WILL BE OF THE SAME CLASS AND CONFORM TO THE SAME REQUIREMENTS AS THE PIPE.
* 6" BUILDING DRAIN WILL BE PVC SCH. 80
* 2" CHECK VALVES AND 2" BALL VALVES WILL BE SCHEDULE 80 PVC AND SUITABLE FOR USE WITH WASTE WATER

DRAWDOWN TEST

AFTER INSTALLATION OF THE PUMP STATION AND COMPLETION OF FORCE MAIN TESTING, A DRAWDOWN TEST WILL BE PERFORMED ON EACH PUMP TO ENSURE THAT THE PUMPS ARE OPERATING AT OR NEAR THEIR DESIGN POINT. THE TEST WILL BE WITNESSED BY THE ENGINEER OR HIS REPRESENATIVE.

THE PUMP STATION WILL BE PUT IN SERVICE BY A FACTORY SERVICE REPRESENTATIVE OF THE PUMP SUPPLIER. THE SERVICE REPRESENTATIVE WILL PROVIDE A CERTIFICATION THAT THE STATION IS OPERATING CORRECTLY.

TESTING OF FORCE MAIN

AFTER INSTALLATION OF THE FORCE MAIN, THE LINE WILL BE FILLED WITH WATER AND ALL AIR WILL BE REMOVED THEREFROM. A SUITABLE PUMP WILL BE CONNECTED AND THE PRESSURE IN THE PIPE RAISED TO NOT LESS THAN 100 PSI, MEASURED AT THE HIGHEST POINT ON THE SYSTEM INSTALLED OR BEING TESTED. THIS PRESSURE WILL BE MAINTAINED FOR NOT LESS THAN THREE (3) HOURS AND ANY ADDITIONAL WATER REQUIRED TO MAINTAIN THIS PRESSURE MEASURED BY AN APPROVED METER INSTALLED IN THE TESTING APPARATUS. THE LEAKAGE FOR THE THREE HOUR TEST PERIOD WILL NOT EXCEED THAT ALLOWED BY AWWA STANDARD C600, LATEST REVISION. IF LEAKAGE EXCEEDS THIS FIGURE, THE LEAK(S) WILL BE LOCATED, REPAIRED AND THE TESTING REPEATED UNTIL THE TEST IS PASSED.

THE AMOUNT OF WATER IN GALLONS PER HOUR NECESSARY TO MAINTAIN THE TEST PRESSURE DURING THE THREE HOUR PERIOD WILL NOT EXCEED THE AMOUNT CALCULATED FROM THE FOLLOWING FORMULA:

$$L = \frac{(SD)\ SQ.\ ROOT\ P}{133,200}$$

WHERE:

L = LEAKAGE IN G.P.H.
S = LENGTH OF LINE TO BE TESTED IN FEET
P = AVERAGE PRESSURE IN PSI, AT MID ELEVATION MAINTAINED DURING THE TEST
D = INTERNAL DIAMETER OF PIPE IN INCHES

ALL TESTS WILL BE MADE IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.

FORCE MAIN INSTALLATION

PIPE WILL BE LAID ON A REASONABLE UNIFORM GRADE. PIPE WILL NOT REST ON ROCK. WASHED STONE BEDDING WILL BE PROVIDED IF ROCK OR UNSUITABLE SOILS ARE ENCOUNTERED. PIPE LAYING WILL BE IN ACCORDANCE WITH ASTM C12-72. JOINTS WILL BE MADE UP AS RECOMMENDED BY THE PIPE MANUFACTURER.

BACKFILLING TO 12" ABOVE THE PIPE WILL BE DONE CAREFULLY BY HAND WITH SELECT MATERIAL IN 6" LIFTS. LIFTS WILL BE COMPACTED TO 95% STANDARD PROCTOR. UNDESIRABLE MATERIAL, INCLUDING ROCK, WILL NOT BE USED AS BACKFILL MATERIAL.

CONTRACTOR WILL INSTALL A LOCATING TAPE IN THE BACKFILL TRENCH 1.5' BELOW GRADE.

GRINDER PUMP REQUIREMENTS

TWO GRINDER PUMPS WILL BE INSTALLED AS A DUPLEX SYSTEM. THE PUMPS WILL BE SINGLE PHASE, 240 V, 1 HP, 1725 RPM. ACCEPTABLE PUMPS ARE E-ONE OR APPROVED EQUAL.

CONTRACTOR SHALL SUBMIT PUMP DATA FOR APPROVAL BY ENGINEER PRIOR TO PURCHASE OF PUMPS.

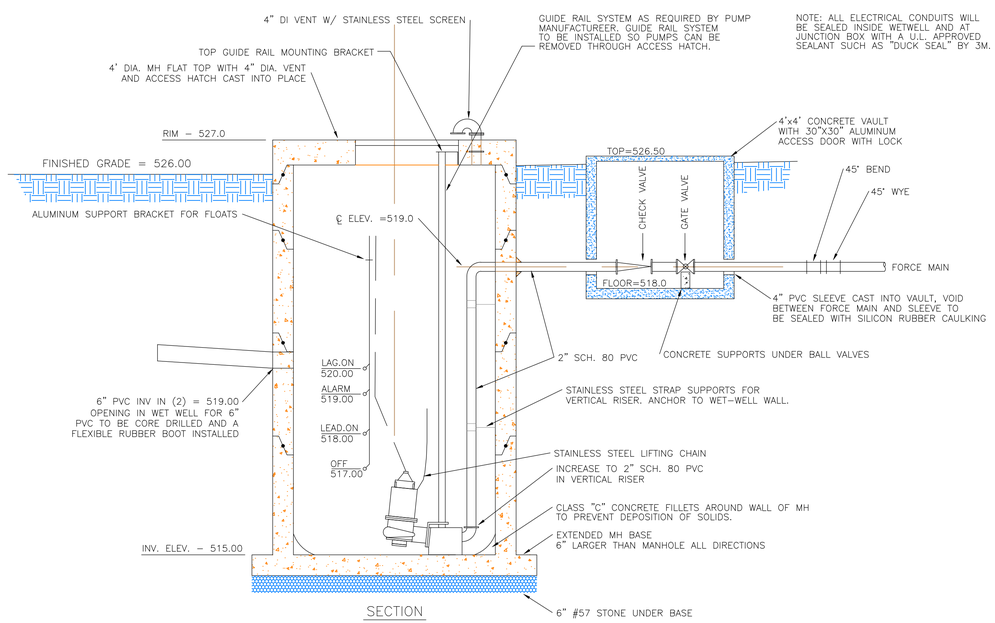
ACCESS DOOR REQUIREMENTS

BOTH ACCESS DOORS WILL BE CAST INTO THEIR RESPECTIVE CONCRETE TOP. THE DOORS WILL BE ALUMINUM AND DESIGNED FOR A MINIMUM LIVE LOAD OF 300 POUNDS PER SQUARE FOOT. THE DOORS WILL OPEN 90 DEGREES AND LOCK IN THE OPEN POSITION. THE ACCESS DOOR OVER THE WET WELL WILL BE INSTALLED IN A MANNER TO ALLOW THE PUMPS TO BE REMOVED THROUGH THE DOOR. EACH DOOR WILL HAVE A RETRACTABLE HANDLE AND A LOCKING HASP. THE HINGES AND ATTACHING HARDWARE WILL BE STAINLESS STEEL

CONTROL PANEL REQUIREMENTS

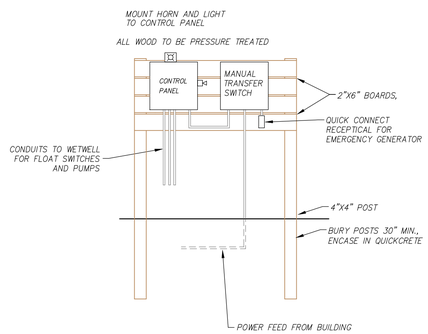
* NEMA 4X FIBERGLASS ENCLOSURE FOR DUPLEX OPERATION
* ALUMINUM INNER FRONT
* LOCKABLE HASP ON THE OUTER DOOR
* OUTER DOOR WILL BE A DEAD FRONT TO THE CONTROL PANEL
* THERMAL MAGNETIC CIRCUIT BREAKERS FOR EACH PUMP
* IEC RATED CONTACTOR, AMBIENT COMPENSATED THERMAL OVERLOAD RELAY FOR EACH PUMP
* INTERNAL MOTOR THERMAL PROTECTION
* HAND-OFF-AUTO SELECTOR SWITCHES
* GREEN PUMP ON INDICATOR LIGHTS
* RED SEAL FAILURE INDICATOR LIGHTS
* SOLID STATE SEALMINDER WATER SENSING RELAYS
* ALTERNATING RELAY FOR DUPLEX OPERATION
* TWO PUMP ALTERNATOR WITH 3 POSITION SWITCH FOR SELECTING LEAD PUMP
* FLASHING HIGH LEVEL ALARM BEACON AND ALARM HORN WITH SILENCE PUSH BUTTON
* FUSE PROTECTION ON 120 vac CONTROL CIRCUIT
* HIGH LEVEL ALARM INDICATION LIGHT
* RUN TIME METER FOR EACH PUMP

SEE ELECTRICAL DRAWINGS FOR ALL POWER, WIRING, AND CONDUIT REQUIREMENTS. ELECTRICAL CONTRACTOR WILL PROVIDE AN AUTOMATIC TRANSFER SWITCH FOR EMERGENCY GENERATOR OPERATION



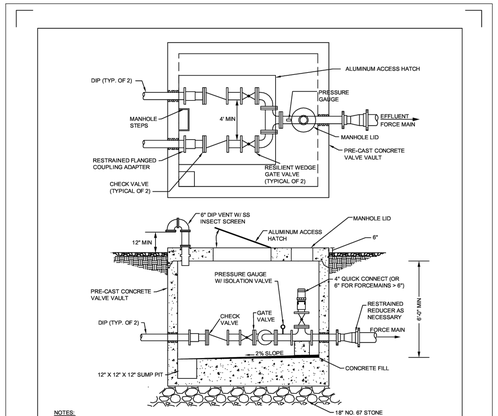
SECTION

2/C-8.6
PUMP STATION NOTES



SEE ELECTRICAL DRAWINGS FOR ALL POWER, WIRING, AND CONDUIT REQUIREMENTS. ELECTRICAL CONTRACTOR WILL PROVIDE AN AUTOMATIC TRANSFER SWITCH FOR EMERGENCY GENERATOR OPERATION

3/C-8.6
PANEL BOARD SCHEMATIC LAYOUT



NOTES:
1. ALL PIPE AND VALVE SIZES SHALL BE 4" DIAMETER OR GREATER AS DETERMINED BY THE DESIGN ENGINEER.
2. VALVE VAULT BUOYANCY SHALL BE CALCULATED BY THE DESIGN ENGINEER. APPROPRIATE ANTI-FLOTATION MEASURE SHALL BE PROVIDED.
3. ACCESS HATCH: HINGES AND OTHER HARDWARE SHALL BE STAINLESS STEEL WITH TAMPER PROOF FASTENERS. ALUMINUM SURFACES IN CONTACT WITH CONCRETE OR GROUT SHALL BE COATED WITH BITUMINOUS MATERIAL FOR PROTECTION. HATCHES SHALL BE SINGLE OR DOUBLE LEAF DEPENDING ON OPENING AND MANUFACTURER'S RECOMMENDATIONS.
4. DOORS SHALL BE RATED FOR 300 PSF LIVE LOADINGS OR H-20 TRAFFIC RATED

rev	description	appr'd	date
		KPK	
		KPK	

Town of Hillsborough

PO Box 429
101 East Orange Street
Hillsborough, North Carolina 27278
919.732.1270

PUMPING STATION VALVE VAULT

scale | NTS drawing no. | S-06
date | JUNE 2012
approved | Kenneth P. Keef, P.E., Town Engineer

2 / 8.3 CONCRETE WASHOUT
NTS

1/C-8.6
PUMP STATION
NTS

NO.	REVISIONS	BY	DATE
4	BID SET	CH	12.19.2025
3	FLOOD PROTECTION REVISIONS	CH	11/21/2025
2	RESPONSE TO COMMENTS	T&H	5/15/2025
1	RESPONSE TO COMMENTS	T&H	4/16/2025

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JOB NO:	30833
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DRAWN:	
DESIGNED:	CNH
REVIEWED:	
APPROVED:	
SCALE:	N/A

C-6.3

GENERAL NOTES

GENERAL

1. NOTES BELOW ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO GENERAL NOTES.
2. "U.O.N." MEANS "UNLESS OTHERWISE NOTED".
3. DESIGN LIVE LOADS:
   ROOF . . . . . 20 PSF
   Is = 1.00
   FLOORS:
   INTERIOR SLABS ON GRADE . . . . . 100 PSF
   FRAMED MAIN FLOOR CORRIDOR . . . . . 100 PSF
   FRAMED MAIN FLOOR OFFICE . . . . . 60 PSF
4. LATERAL LOAD DESIGN:
   SEISMIC DESIGN DATA Ss = 15.3% SI = 7.7% RISK CATEGORY II
   SITE CLASSIFICATION – D
   SEISMIC DESIGN CATEGORY B Ie = 1.00
   WOOD STUD WALLS : R = 2½ Cd = 2½
   BASIC DESIGN WIND VELOCITY . . . . . 115 MPH – EXPOSURE B
   Iw = 1.00
5. MAXIMUM UNIT WEIGHTS FOR FOLLOWING MATERIALS:
   NORMAL CONCRETE NOT OTHERWISE NOTED . . . . . .150 PCF
6. ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTOR'S RESPONSIBILITY. CONSULT ARCHITECT IN CASE OF QUESTIONS.
7. STRUCTURAL FRAME TO BE BRACED UNTIL ERECTION IS COMPLETE AND PERMANENT CONNECTIONS, BRACING MEMBERS OR STEEL BRACINGS ARE INSTALLED.
8. ALL LINTELS TO BEAR 8" EACH SIDE OF OPENING, U.O.N.

FOUNDATIONS

1. ALLOWABLE SOIL PRESSURE 3000 PSF MINIMUM, TO BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION.
2. FOOTINGS SHALL BE EXCAVATED TO LOWER ELEVATION THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ARCHITECT TO REACH ADEQUATE BEARING.
3. WALLS ACTING AS RETAINING WALLS SHALL NOT BE BACKFILLED WITHOUT BRACING UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND AT ADEQUATE STRENGTH.
4. COMPACT ALL FILL TO 98% MAXIMUM DENSITY AS DETERMINED BY ASTM D698. PLACE IN 8" MAXIMUM LOOSE THICKNESS. VERIFY FIELD DENSITY, ASTM D1556, WITH AT LEAST ONE TEST PER 2000 SQ FT PER LAYER. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.

CONCRETE

1. CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS . . . 3000 PSI
2. REINFORCING: ASTM A615 – STIRRUPS AND TIES GRADE 40 – ELSEWHERE GRADE 60, U.O.N. ALL REINF. TO BE OF WELDABLE GRADE WHERE WELDING SHOWN ON DRAWINGS. "HDG" DENOTES HOT–DIPPED GALVANIZED AFTER BENDING.
3. GROUT UNDER BASE PLATES TO BE NON–SHRINK, NON–METALLIC GROUT.
4. BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP ALL SPLICES 48 TIMES THE BAR DIAMETER, U.O.N.
5. CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:
   CAST IN PLACE CONCRETE:
   SLABS . . . . . ¾"
   WALLS . . . . . 2"
   FOOTINGS . . . . . 3"
   SLABS EXPOSED TO EARTH AND WEATHER . . . . . 1½"
6. PROVIDE WIRE MESH IN ALL SLABS ON GROUND 1½" FROM TOP OF SLAB:
   4" SLABS 6x6–W1.4xW1.4
   5" SLABS 6x6–W2.9xW2.9
7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FAR ENOUGH IN ADVANCE OF THE TIME EACH CONCRETE POUR IS TO BE MADE TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT IN ADVANCE OF THE TIME THAT 90% OF THE STEEL HAS BEEN PLACED.

STRUCTURAL STEEL

1. STRUCTURAL STEEL: ASTM A992 GR. 50, TUBES–, A500.– GRADE B (Fy=46 ksi)
2. DESIGN, FABRICATION AND ERECTION: AISC SPECIFICATIONS FOR BUILDINGS.
3. CONNECTIONS NOT DETAILED SHALL BE DESIGNED FOR LOADS SHOWN ON DRAWINGS OR FOR LOADS GIVEN IN STANDARD AISC LOAD TABLES FOR SPAN, SECTION AND STRENGTH SPECIFIED. SHOP CONNECTIONS: WELDED. FIELD CONNECTIONS: ¾" BOLTS, ASTM A325. TIGHTEN TO PULL ALL MATING SURFACES INTO CONTACT – MINIMUM TORQUE OF 150 FT–LBS.
4. WELDS SHALL BE MADE ONLY BY OPERATORS CERTIFIED BY THE STANDARD QUALIFICATION PROCEDURE OF THE AMERICAN WELDING SOCIETY FOR TYPE OF WELD REQUIRED.
5. PROVIDE ERECTION BOLTS AS REQUIRED FOR WELDED CONNECTIONS. ERECTION BOLTS EXPOSED OUTSIDE SHALL BE REMOVED AND HOLES PLUGGED AS DIRECTED BY ARCHITECT. GRIND IF REQUIRED.
6. RETURN ALL WELDS AT CORNERS TWICE THE NOMINAL SIZE OF THE WELD MINIMUM.
7. WHERE PLATES ARE FILLET WELDED TO MEMBERS AND NO WELD SIZE IS SPECIFIED PROVIDE FULL LENGTH FILLET WELDS BOTH SIDES OF PLATE. WELD SIZES SHALL BE AS FOLLOWS:

PL THICKNESS (In)	⅜	½	⅝	¾	⅞	1	1⅛	1¼
WELD SIZE (In)	⅜	⅜	⅜	½	½	⅝	¾	⅞

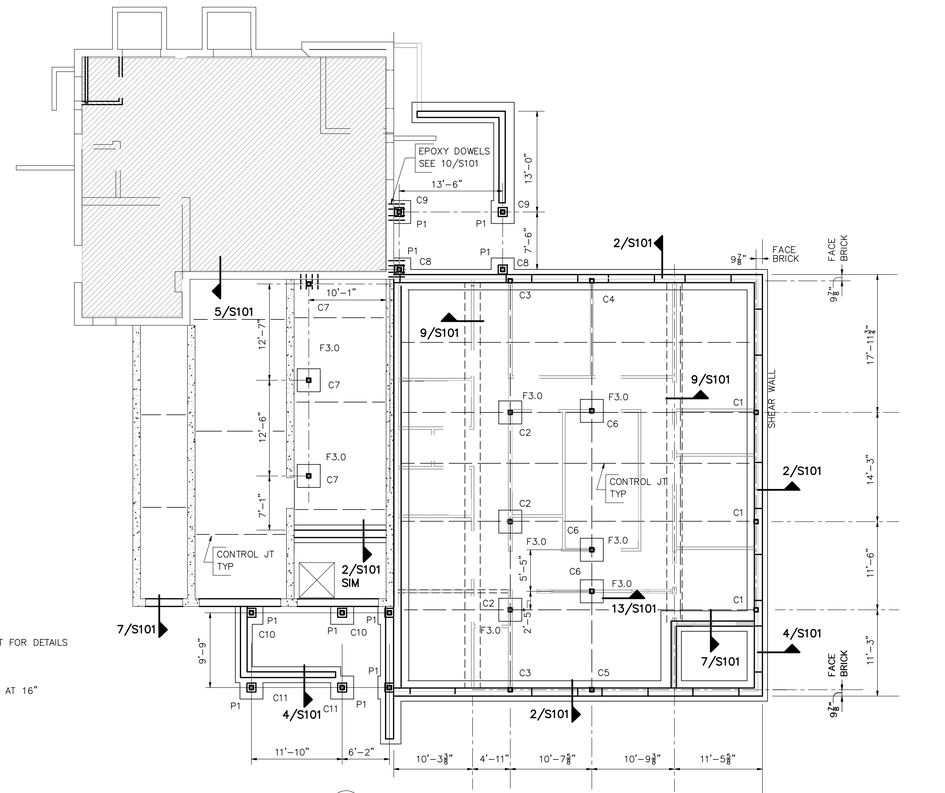
8. PROVIDE HOLES FOR BLOCKING AS PER ARCHITECT DRAWINGS.
9. PROVIDE ALL MISCELLANEOUS ANGLES, BENT PLATES AND CHANNELS AS SHOWN ON ARCHITECT'S DETAILS. WHERE ARCHITECTURAL AND STRUCTURAL DETAILS ARE IN CONFLICT, ARCHITECTURAL DRAWINGS GOVERN.

WOOD FRAMING

1. ALLOWABLE STRESSES AND GRADES FOR FRAMING MEMBERS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "NATIONAL DESIGN SPECIFICATIONS FOR STRESS–GRADE LUMBER AND ITS FASTENINGS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. FRAMING TO BE FOLLOWING GRADES:
   STUDS @ INTERIOR & EXTERIOR WALLS S–P–F NO. 2 – 19% MAX M.C.
   SOLE PLATES No. 2 SOUTHERN PINE – 19 MAX M.C.%
   RAFTERS, JOISTS, HEADERS No. 2 SOUTHERN PINE – 19% MAX M.C.
3. "LVL" MEMBERS SHALL BE LAMINATED VENEER LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES: E = 2,000,000 PSI Fb = 2800 PSI Fv = 290 PSI
4. WOOD SIZES SHOWN ON DRAWINGS ARE NOMINAL SIZES, BEFORE DRESSING.
5. PROVIDE METAL FRAMING ANCHORS AT ALL LVL, TRUSS AND RAFTER BEARING POINTS.
6. WHERE CONNECTING HARDWARE IS SHOWN ON STRUCTURAL DRAWINGS, THE TYPES, SIZE, SPACING AND ALIGNMENT ARE CRITICAL AND MUST BE SHOWN. DO NOT UNDERCUT WOOD. PREBORE HOLES WHERE REQUIRED TO PREVENT SPLITTING. CONNECTIONS MUST PULL AND HOLD MEMBERS BEING JOINED IN CLOSE CONTACT.
7. ROOF SHEATHING TO BE 23/32" APA RATED SHEATHING, EXPOSURE 1, WITH SPAN RATING OF 40/20.
8. WALL SHEATHING TO BE 15/32" APA RATED SHEATHING, EXPOSURE 1, WITH SPAN RATING OF 24/16.
9. SHEARWALLS – 2x6 STUD WALLS SPACED 16" O.C. WITH ½" CDX PLYWOOD BOTH INTERIOR AND EXTERIOR SIDE. ALL EDGES MUST BE BLOCKED AND NAILED AT 5" O.C. WITH 8d NAILS. GLUE SHEATHING TO STUDS. NAIL FIELD AT 8" O.C.
10. PROVIDE DOUBLE JACK STUDS AT ALL HEADER BEARING POINTS U.O.N.
11. ENGINEER MAY SUPPLY LIST OF "SIMPSON" METAL CONNECTOR HARDWARE AT THE CONTRACTOR'S REQUEST.
12. ALL TIMBER AND DIMENSION LUMBER MEMBERS IN CONTACT WITH CONCRETE OR SOIL SHALL BE PRESSURE–TREATED FOR GROUND CONTACT USE IN ACCORDANCE WITH ALL AWPA STANDARDS.
13. ALL DETAILS OF FRAMING, NAILING, AND MEMBER SIZES SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE, CHAPTER 23. THIS IS A COMMERCIAL USE STRUCTURE AND FRAMING DETAILS PER THE RESIDENTIAL CODE DO NOT APPLY.

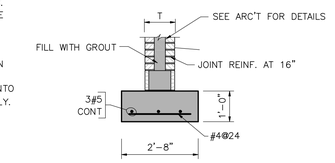
STRUCTURAL MASONRY

1. LOAD–BEARING MASONRY PIERS AND WALLS, MASONRY RETAINING WALLS, FOUNDATION WALLS, PLANTER WALLS, SCREEN WALLS AND ALL EXTERIOR MASONRY WALLS ARE CONSIDERED HERE TO BE STRUCTURAL MASONRY.
2. COMPRESSIVE STRENGTH OF MASONRY UNITS:
   SOLID CLAY UNITS . . . . . 6000 PSI
   CONCRETE UNITS . . . . . 2000 PSI ON NET AREA
3. MORTAR – TYPE S ASTM C270.
4. GROUT FOR REINF. MASONRY – 3000 PSI PEA GRAVEL CONC. MAXIMUM HEIGHT TO WHICH MASONRY SHALL BE LAID BEFORE FILLING IS 6 FEET. PROVIDE CLEANOUT OPENINGS AT THE BOTTOM OF EACH GROUT LIFT. CLEANOUT OPENINGS SHALL BE PROVIDED AT EACH CELL TO BE FILLED WITH GROUT.
5. REINFORCING GRADE AND DETAILS AS FOR CONCRETE. TIE IN POSITION AND PLACE GROUT AROUND REINFORCING DURING CONSTRUCTION OF MASONRY. DO NOT PUSH REINF. DOWN INTO PREVIOUSLY PLACED GROUT FILL. SET ANCH BOLTS SIMILARLY. TIE WYTHES WITH HORIZONTAL REINF. AS SPECIFIED.

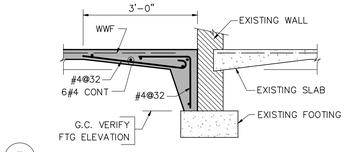


1 FOUNDATION PLAN ⅛"=1'–0"

NOTE:
1. CONFIRM LOCATION OF EXISTING ENCASED UTILITES, SUBGRADE CONDITIONS AND EXISTING COLUMNS/FOOTINGS PRIOR TO NEW FOOTING CONSTUCTION
2. TOP OF WALL FTG. ELEVATION –2'–4" BELOW FFE. REFER TO ARCH'T AND C/S DRAWINGS FOR FINAL GRADING INFORMATION.
3. C# DENOTES COLUMN NUMBER. REFER TO S104 FOR COL INFO



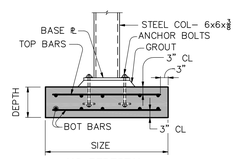
4 SECTION – AT KNEEWALL NO SCALE



5 SECTION AT EXISTING FND WALL NO SCALE

FOOTING SCHEDULE

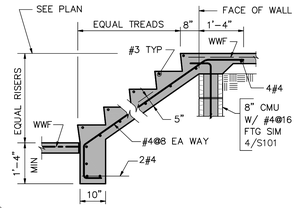
MARK			F2.5	F3.0	
FOOTING	SIZE		2'–6"x 2'–6"	3'–0"x 3'–0"	
	DEPTH		1'–2"	1'–2"	
	STEEL 1/2 EA WAY	TOP		10#4	
		BOT	10#4	12#4	



NO PEDESTAL

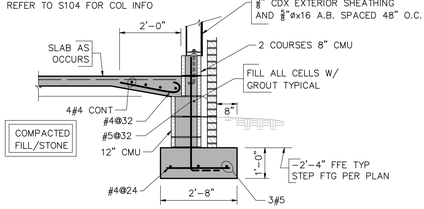
8 DETAILS – STEEL COLUMN FOOTING

NOTES NO SCALE
1. SEE SCHEDULES FOR SIZE, DEPTH, REINFORCING AND ANCHOR BOLTS.
2. COAT BASE PLATE, ANCHOR BOLTS, AND COL BELOW SLAB OR GRADE WITH AN APPROVED ASPHALT PAINT.

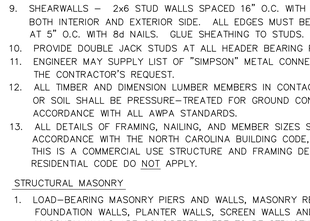


3 DETAIL – STEPS ON GRADE NO SCALE

NOTE: ALL CONCRETE 3000 PSI AIR–ENTRAINED UNLESS NOTED OTHERWISE.



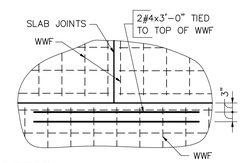
2 SECTION FOUNDATION WALL ½"=1'–0"



WITH PEDESTAL

12 DETAIL COLUMN FTG W/ PEDESTAL NO SCALE

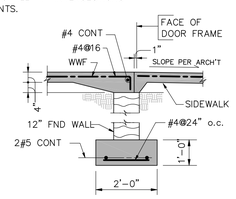
NOTES:
1. PROVIDE DOWELS INTO FOOTINGS FOR ALL VERTICAL PEDESTAL BARS. LAP 48 BAR DIAMETERS TYPICAL.
2. CLEAR DISTANCE TO VERTICAL BARS – 2" MINIMUM
4. ALL PEDESTAL CONCRETE 4000 PSI.
4. WHERE PEDESTAL IS LESS THAN 6'–0" TALL EXTEND VERTICAL DOWELS TO WITHIN 2" OF TOP OF CONCRETE.
5. TOP OF ALL PEDESTALS 1'–4" BELOW FINISH FLOOR, UNLESS NOTED OTHERWISE.



6 DETAIL AT CONTROL JOINT

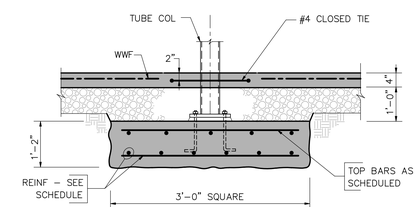
INTERSECTIONS NO SCALE

NOTE:
THIS DETAIL APPLIES TO ALL "T" INTERSECTIONS OF SLAB CONTROL JOINTS.



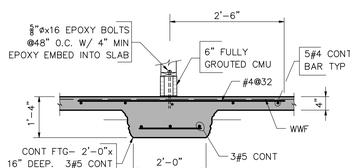
7 SECTION AT EXTERIOR DOORS ½"=1'–0"

NOTES: 1. SEE ARCHITECT'S DWGS FOR SIZE AND LOCATIONS.
2. VERIFY EDGE CONDITION WITH MFG'S

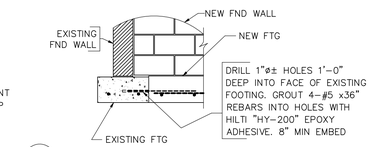


13 SECTION FOOTING AT INTERIOR COLUMN ½"=1'–0"

NOTES:

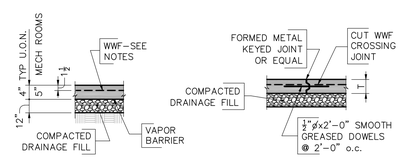


9 SECTION AT INTERIOR BEARING WALLS NO SCALE



10 DETAIL SHOWING DOWELING OF EXISTING FTG

WHERE NEW FOUNDATION WALL OCCURS NO SCALE



TYPICAL CONSTRUCTION

CONSTRUCTION JOINT (CJ) (AT POUR BREAK)

14 DETAILS – SLAB ON GRADE NO SCALE

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PROFESSIONAL SEALS:

NORTH CAROLINA REGISTERED 35335 PROFESSIONAL ENGINEER WILLIAM T. EASTERLING 12/19/2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road,
Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

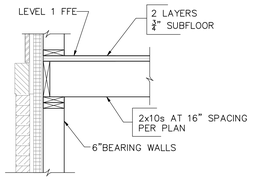
No.	Date	Description

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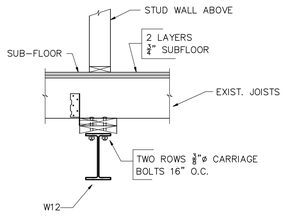
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SKE	WTE	12/19/2025

Sheet Name
GENERAL NOTES FOUNDATIONS

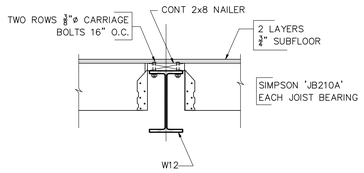
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S101



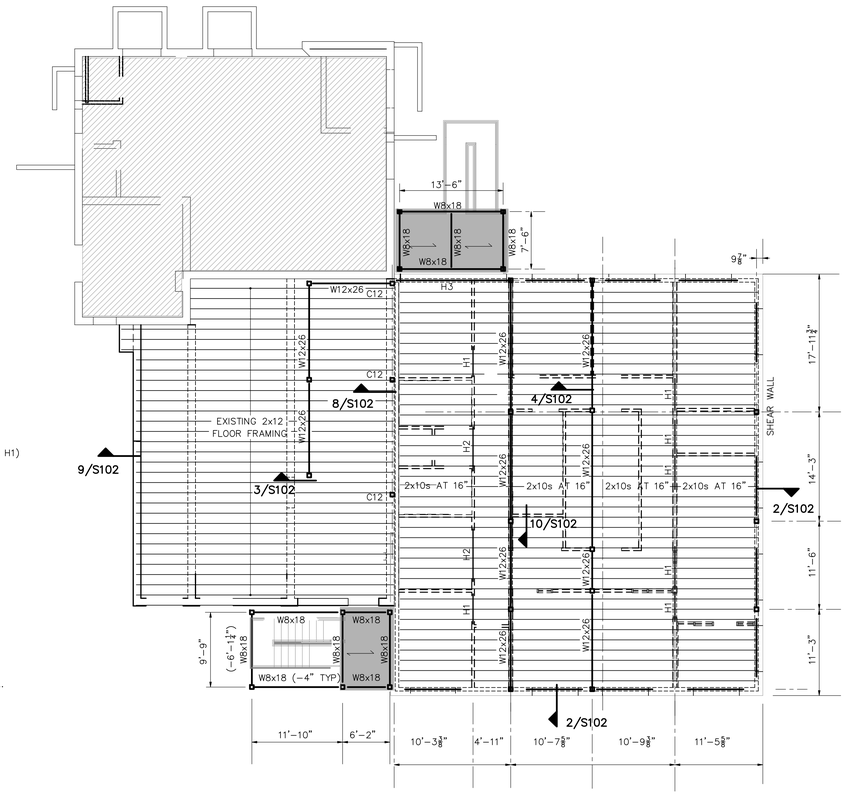
2 SECTION JOIST BEARING AT EXTERIOR WALLS
NO SCALE



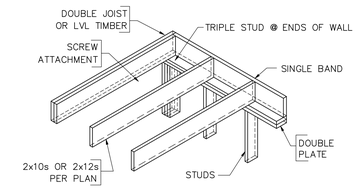
3 SECTION BEAM AT EXISTING JOISTS
NO SCALE



4 SECTION BEAM AT NEW JOISTS
NO SCALE

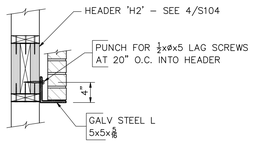


1 FLOOR FRAMING PLAN
⅛"=1'-0"



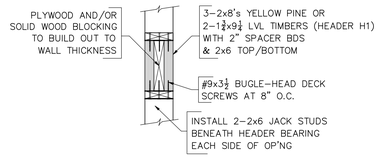
5 DETAIL 2ND FLOOR FRAMING
NO SCALE

NOTES: 1. PLYWOOD FLOOR DECK NOT SHOWN.
2. DIMENSIONAL MEMBER SIZES:
JOISTS – PER PLAN
STUDS – No 2 SOUTHERN PINE AT BEARING WALLS



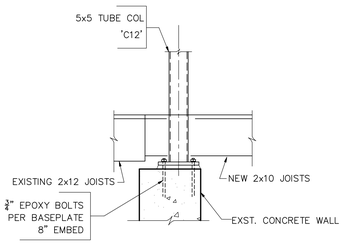
6 DETAIL BRICK LINTEL
NO SCALE

NOTES: LINTELS SHALL BE INCLUDED FOR ALL WALL OPENINGS.
1. SEE ARCH'T & MECH DRAWINGS FOR ALL LINTELS REQUIRED.
2. SEE ARCH'T DWGS FOR MASONRY OPENINGS AND HEAD ELEVATIONS.
3. PROVIDE LINTELS FOR ALL LOUVER OPENINGS SIMILAR TO THOSE SHOWN. COORDINATE WITH TRADE REQUIRING OPENING.

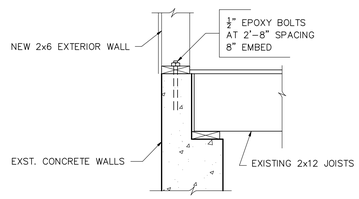


7 DETAIL LOAD BEARING WALL HEADERS
NOT OTHERWISE NOTED ON PLAN NO SCALE

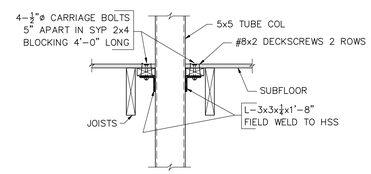
NOTES:
1. VERIFY HEAD OF OPENING WITH ARCHITECT'S DWGS.
2. USE 'H1' LVL HEADER FOR ALL OPENINGS OVER 5'–3" U.O.N.. USE 3–2x8's FOR OPENINGS 5'–3" OR LESS, WITH 2–½" PLYW'D SPACERS BETWEEN 2x8's



8 SECTION NEW COLUMNS ON EXISTING CONCRETE WALLS
NO SCALE

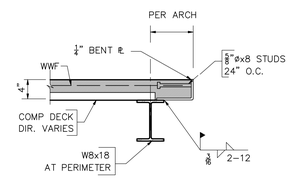


9 SECTION NEW EXTERIOR WALL BEARING AT EXISTING CONCRETE
NO SCALE

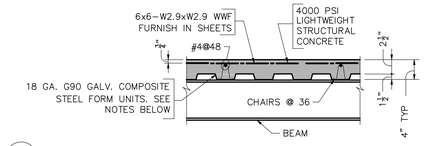


10 DETAIL STEEL COLUMN ANCHOR @ FLOOR
NO SCALE

NOTE:
INSTALL FLOOR CONNECTION BEFORE SETTING ROOF TRUSSES.

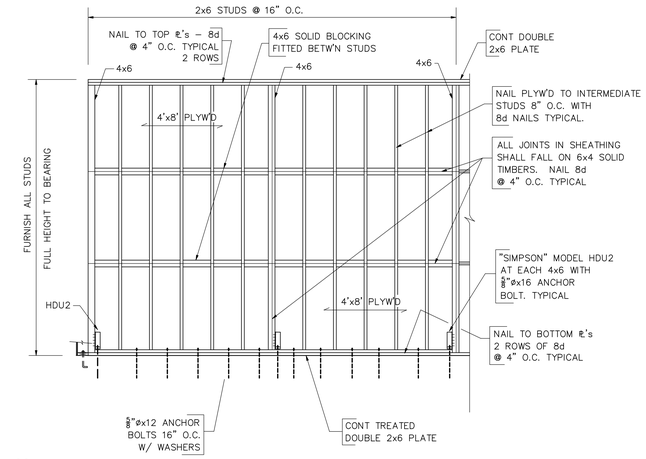


11 SECTION TYP ENTRYWAY EDGE OF SLAB
NO SCALE



12 DETAIL – ENTRYWAY FRAMED SLAB CONSTRUCTION
NO SCALE

NOTES:
1. THIS DETAIL APPLIES TO THE FRAMED EXTERIOR SLAB–ON–DECK AT ENTRYWAY
2. WELD DECK TO SUPPORTS AS PER MANUFACTURER'S RECOMMENDATION.
3. ANY OPENINGS THRU THE SLAB GREATER THAN 6"ø NOT SHOWN ON THE DRAWINGS SHALL REQUIRE APPROVAL OF THE ARCHITECT. THE MINIMUM DISTANCE BETWEEN THE HOLES SHALL EQUAL TWICE THE LARGER OPENING DIMENSION.



13 ELEVATION SHOWING WOOD STUD SHEARWALL CONSTRUCTION
NO SCALE

NOTE:
1. CONTRACTOR MAY USE 2–2x6's SCREWED TOGETHER USING #9x3 BUGLE HEAD DECK SCREWS SPACED IN TWO ROWS 8" O.C. FULL HEIGHT IN LIEU OF THE SOLID 4x6 TIMBERS AT SHEATHING JOINTS SHOWN.
2. FOR WALL OPENINGS, PROVIDE DOUBLE BLOCKING AROUND EDGES OF OPENING.
3. INSTALL ALL PLUMBING, ELECTRICAL, ETC. PRIOR TO ATTACHING SHEATHING.

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PROFESSIONAL SEALS:

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 035555 ENGINEER WILLIAM T. EASTERLING
12/19/2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

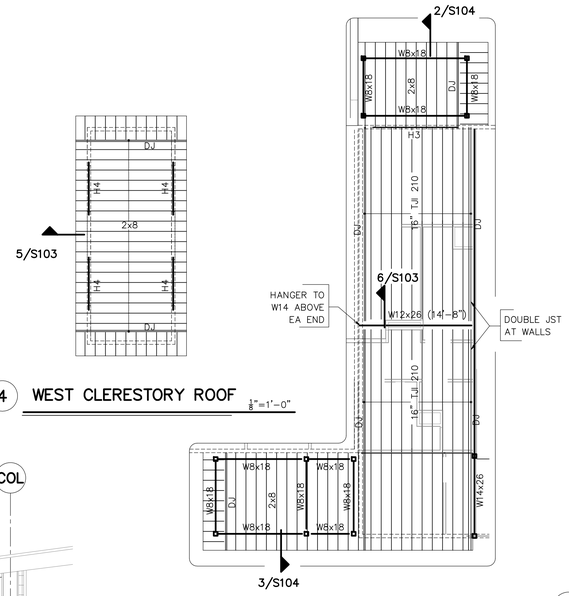
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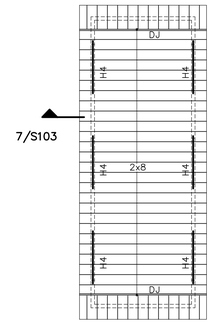
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SKE	WTE	12/19/2025

Sheet Name
FLOOR FRAMING PLANS, DETAILS

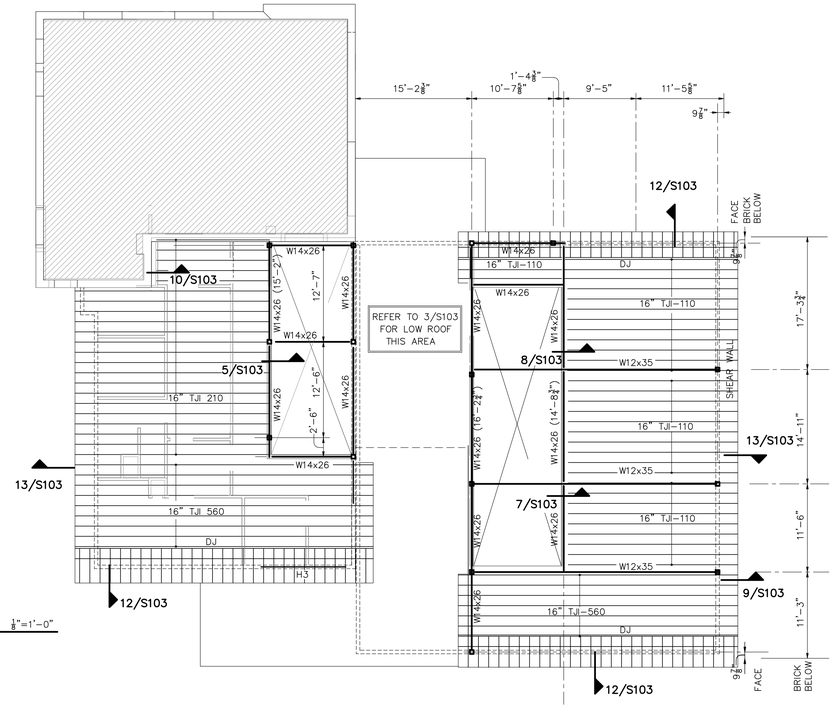
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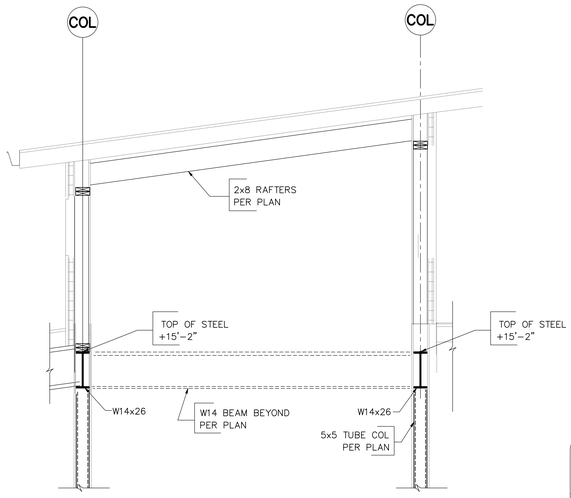
4 **WEST CLERESTORY ROOF** $\frac{1}{8}$"=1'-0"



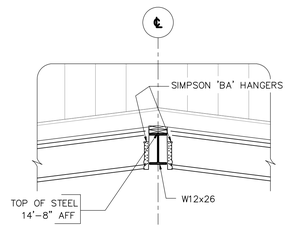
2 **EAST CLERESTORY ROOF** $\frac{1}{8}$"=1'-0"



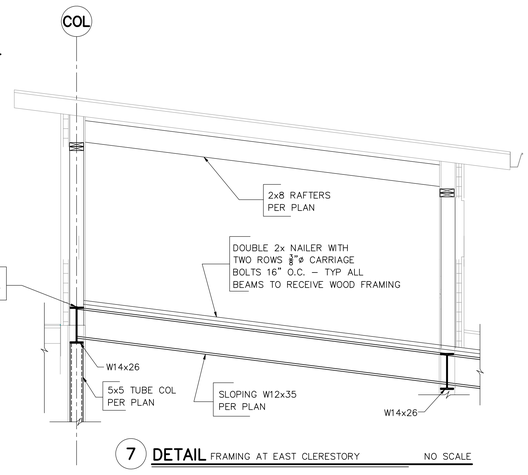
1 **ROOF FRAMNG PLAN** $\frac{1}{8}$"=1'-0"



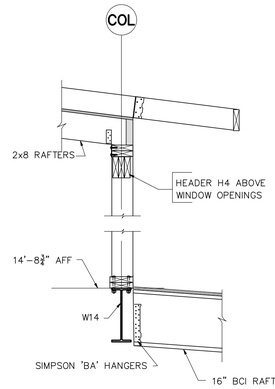
5 **DETAIL** FRAMING AT WEST CLERESTORY NO SCALE



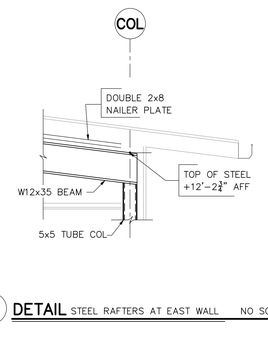
6 **DETAIL** STEEL RAFTER SUPPORT BEAM NO SCALE



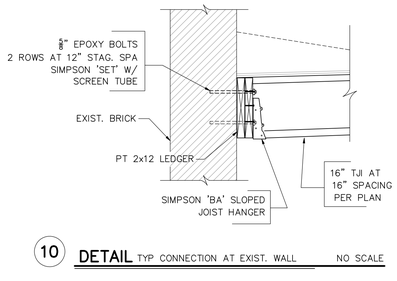
7 **DETAIL** FRAMING AT EAST CLERESTORY NO SCALE



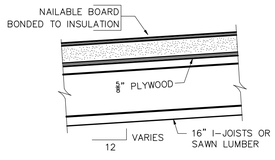
8 **DETAIL** FRAMING AT EAST CLERESTORY NO SCALE



9 **DETAIL** STEEL RAFTERS AT EAST WALL NO SCALE



10 **DETAIL** TYP CONNECTION AT EXIST. WALL NO SCALE



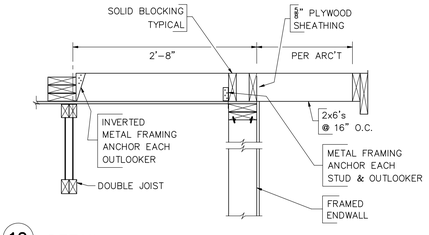
TYPICAL WOOD ROOF CONSTRUCTION

NOTE: SEE SPECS FOR LUMBER GRADE AND FASTENING REQUIREMENTS.

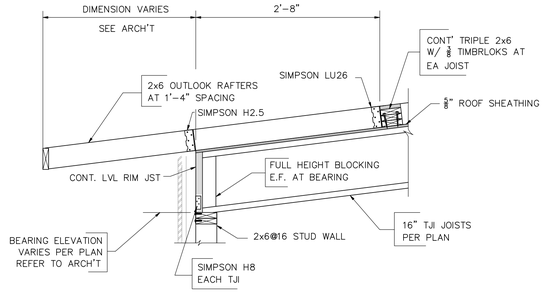
11 **TYP SLOPED ROOF CONSTRUCTION** NO SCALE

ROOF SHEATHING NOTES:

1. ATTACH SHEATHING TO SUPPORTING MEMBERS WITH 8d COATED NAILS PER CHAPTER 23 OF THE NORTH CAROLINA BUILDING CODE.
2. SPACING OF SHEATHING NAILS SHALL BE AS FOLLOWS:
   AT END JOINTS OF SHEETS – 6" O.C.
   AT INTERMEDIATE SUPPORTS – 10" O.C.
   AT ENDS OF SHEET AT BLDG PERIMETER – 6" O.C.
   AT EDGES OF SHEET AT BLDG PERIMETER – 10" O.C.



12 **DETAIL** – TYPICAL RAKE FRAMING NO SCALE



13 **DETAIL** – TYPICAL RAFTER BEARING AT EAVE NO SCALE

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PROFESSIONAL SEALS:

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 037170 WILLIAM T. EASTERLING
12/19/2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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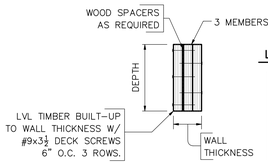
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Sheet Name

ROOF FRAMING PLANS, DETAILS

Sheet Number

S103

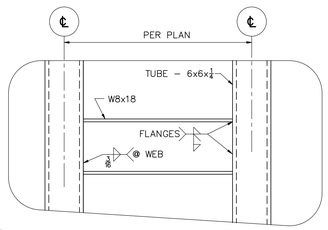


LVL TIMBER HEADER/BEAM SCHEDULE

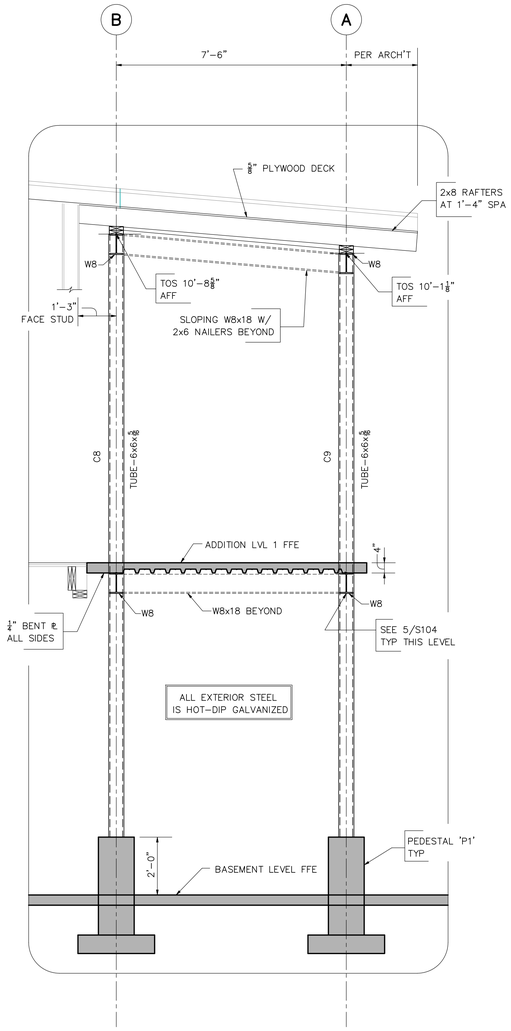
MARK	PLY	DEPTH	JACKS EA END
H1	2	9¼"	DOUBLE STUDS
H2	3	11⅞"	TRIPLE STUDS
H3	3	14"	TRIPLE STUDS
H4	3	7¼"	DOUBLE STUDS

4 **DETAIL** LVL HEADER BEAMS — NO SCALE

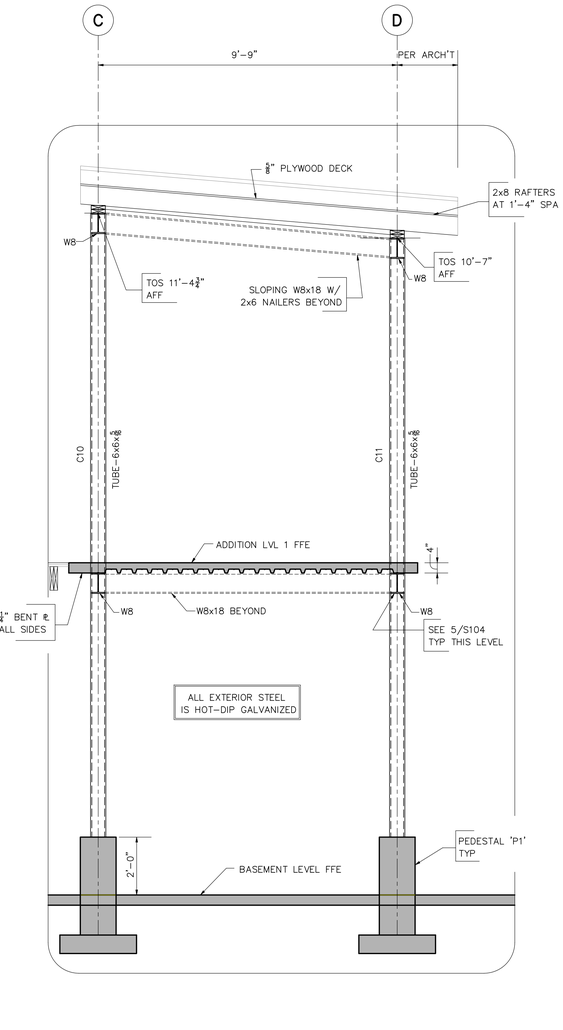
NOTE: LVLS SHALL HAVE A MIN. OF Fb=2900psi. AND E=2.0x10⁶psi.



5 **DETAIL** MOMENT CONNECTIONS AT LEVEL 1 STAIR COLUMNS — NO SCALE



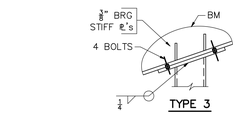
2 **SECTION** AT NORTH STAIR — NO SCALE



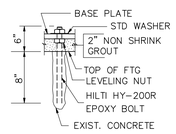
1 **SECTION** AT SOUTH STAIR — NO SCALE

3 **STEEL COLUMN SCHEDULE**

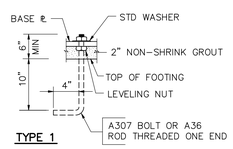
MARK		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12
CAP ℄ txAxB		¾x6x12	½x6x6	¾x6x12	¾x6x14	½x6x6	½x6x6	½x6x6	¾x7x14	¾x7x14	¾x7x14	¾x7x14	½x6x6
CAP ℄ TYPE		2	1	2	3	1	1	1	2	2	2	2	1
TOP OF STEEL / ADDITION L1 FLOOR		12'–2¼"	16'–4"	16'–4"	14'–10¾"	3"	3"	15'–2"	10'–8⅝"	10'–1⅛"	11'–4½"	10'–7"	TUBE 5x5x¼ 15'–2"
BASEMENT FLOOR		TUBE 5x5x¼	TUBE 5x5x¼	TUBE 5x5x¼	TUBE 5x5x¼	TUBE 5x5x¼	TUBE 5x5x¼	TUBE 5x5x¼	TUBE 6x6x⅜ 2"	TUBE 6x6x⅜	TUBE 6x6x⅜	TUBE 6x6x⅜	10" 2"
TOP OF FTG		1'–4"	2"						2'–0"				TOP EXIST. WALL
		1'–0" 2"											
BASE PLATE	t x A x B	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14	¾x14x14
	TYPE	TC1	TC1	TC1	TC1	TC1	TC1	TC1	TC1	TC1	TC1	TC1	TC1
ANCHOR BOLTS	NO &SIZE	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø	4–¾"ø
	TYPE	1	1	1	1	1	1	1	1	1	1	1	2
	LENGTH	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	10"	8"



6 **DETAIL** CAP PLATE DETAILS — NO SCALE

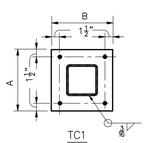


TYPE 2



TYPE 1

8 **DETAIL** ANCHOR BOLTS — NO SCALE



TC1

7 **PLANS** STEEL COLUMN BASE PLATES — NO SCALE

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PROFESSIONAL SEALS:



PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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SKE	WTE	12/19/2025

Sheet Name
SCHEDULES, SECTIONS & DETAILS

Sheet Number
S104

GENERAL NOTES

GENERAL

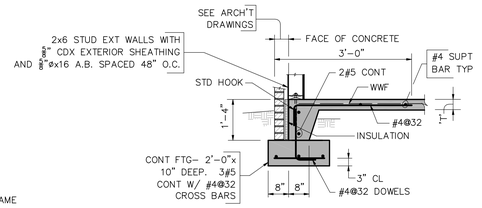
1. NOTES BELOW ARE INTENDED TO SUPPLEMENT PROJECT SPECIFICATIONS. SEE REFERENCED STANDARDS FOR REQUIREMENTS IN ADDITION TO THESE GENERAL NOTES.
2. "U.O.N." MEANS "UNLESS OTHERWISE NOTED."
3. DESIGN LOADS:
   AS PER THE NORTH CAROLINA BUILDING CODE
   ROOF LIVE LOAD . . . . . 20 PSF
   BASIC DESIGN WIND VELOCITY . . . . 115 MPH
4. ALL SAFETY REGULATIONS TO BE FOLLOWED STRICTLY. METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL IS CONTRACTOR'S RESPONSIBILITY.
5. FOUNDATIONS SHOWN ARE ESTIMATED. FINAL MBMA ENGINEERED DRAWING SUBMITTAL WITH REACTIONS ARE REQUIRED FOR VERIFICATION
6. LATERAL LOADS ARE RESISTED BY THE RIGID FRAMES AND BY PORTAL FRAME COLUMNS AS SHOWN ON THE CERTIFIED PLANS BY THE MANUFACTURER.
7. THE AMERICAN CONCRETE INSTITUTE'S STANDARD SPECIFICATION ACI 301 IS HEREBY MADE THE STANDARD SPECIFICATION FOR CONCRETE ON THIS PROJECT. A COPY IS AVAILABLE FROM THE ENGINEER'S OFFICE FOR USE.

FOUNDATIONS

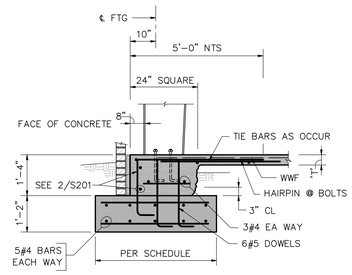
1. ALLOWABLE SOIL PRESSURE ASSUMED 3000 PSF MINIMUM TO BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION.
2. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATION THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE ENGINEER.
3. COMPACT ALL FILL UNDER BUILDING TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D1556.

CONCRETE

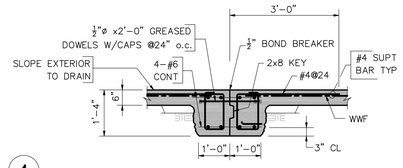
1. CONCRETE COMPRESSIVE STRENGTH IN 28 DAYS, 3000 PSI.
2. REINFORCING: ASTM A615, GRADE 60.
3. GROUT UNDER BASE PLATES TO BE NON-SHRINK NON-METALLIC TYPE.
4. BAR DETAILS AND SUPPORTS: ACI DETAILING MANUAL AND BUILDING CODE. LAP SPLICES 48 DIA, U.O.N.
5. CLEAR DISTANCE FROM FACE OF CONCRETE TO MAIN STEEL:
   WALLS . . . . . 2"
   FOOTINGS AND GRADE BEAMS . . . . . 3"
   SLABS EXPOSED TO EARTH AND WEATHER . . $1\frac{1}{2}$"
6. PROVIDE WIRE MESH IN ALL SLABS ON GROUND $1\frac{1}{2}$" FROM TOP OF SLAB:
   6" SLABS 6x6-W4.0xW4.0



2 SECTION AT PERIMETER OF SLAB — NO SCALE



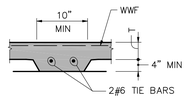
3 SECTION FOOTINGS AT PERIMETER COLUMNS — NO SCALE



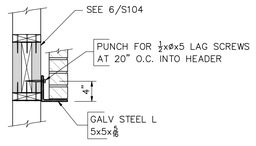
4 SECTION TURNED DOWN SLAB AT INTERIOR/EXTERIOR TRANSITION

NOTES: — NO SCALE

1. WHERE LAP SPLICES OCCUR IN #6 BARS, LAP ALL BARS AT THE CENTER OF SPAN BETWEEN COLUMNS. LAP REINF BARS A MINIMUM OF 3'-0"



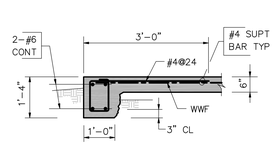
5 SECTION AT TIE BAR — NO SCALE



7 DETAIL BRICK LINTEL — NO SCALE

NOTES: LINTELS SHALL BE INCLUDED FOR ALL WALL OPENINGS.

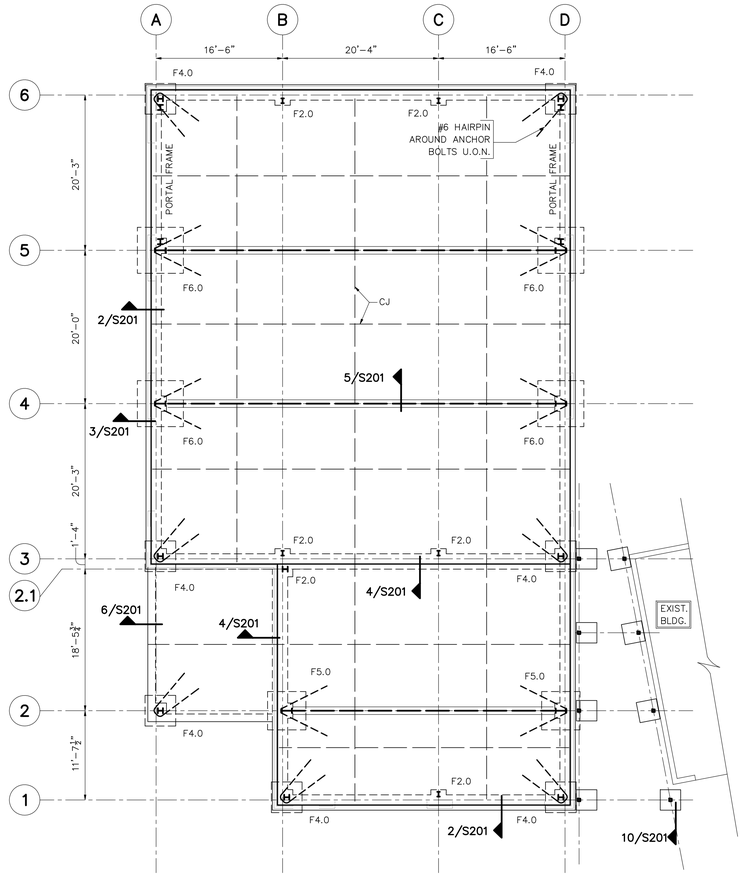
1. SEE ARCHT & MECH DRAWINGS FOR ALL LINTELS REQUIRED.
2. SEE ARCH'T DWGS FOR MASONRY OPENINGS AND HEAD ELEVATIONS.
3. PROVIDE LINTELS FOR ALL LOUVER OPENINGS SIMILAR TO THOSE SHOWN. COORDINATE WITH TRADE REQUIRING OPENING.



6 SECTION TURNED DOWN SLAB EDGE

NOTES: — NO SCALE

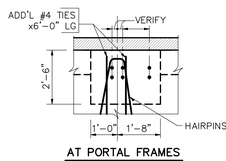
1. WHERE LAP SPLICES OCCUR IN #6 BARS, LAP ALL BARS AT THE CENTER OF SPAN BETWEEN COLUMNS. LAP REINF BARS A MINIMUM OF 3'-0"



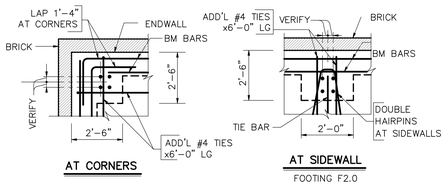
1 FOUNDATION PLAN — 1/8"=1'-0"

NOTES:

1. FINISH FLOOR ELEVATION AS PER SITE PLAN.
2. (CJ) DENOTES CONTROL JOINT IN SLAB ON GRADE. SEE DETAILS.
3. No DENOTES ELEVATION TOP OF FOOTING BELOW FINISH FLOOR WHERE NOT TYPICAL.
4. DO NOT CUT CONTINUOUS GRADE BEAM REINFORCING WHERE CONTROL JOINTS INTERSECT EXTERIOR WALLS.
5. INSTALL ALL ANCHOR BOLTS PER THE METAL BLDG MFR'S INSTRUCTIONS.



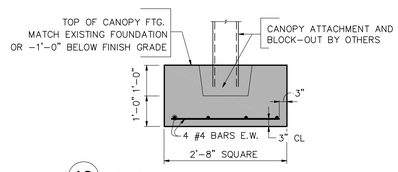
AT PORTAL FRAMES



AT CORNERS — AT SIDEWALL, FOOTING F2.0

8 PLANS — SHOWING REINF AT COLUMN ANCHOR BOLTS — NO SCALE

NOTE: NUMBER OF ANCHOR BOLTS VARIES. CONSULT METAL BLDG. MFGR FOR NUMBER, SIZE AND EXACT LOCATION.



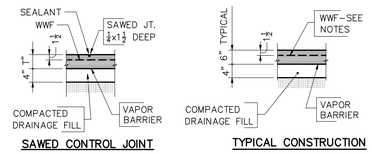
10 DETAIL – COLUMN FOOTING F1

NOTES — NO SCALE

1. REFER TO CANOPY DESIGN SHEETS FOR ALL ATTACHMENT AND REQ'D BLOCK OUT DETAILS

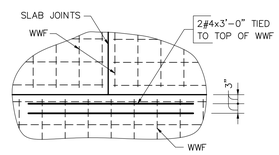
13 FOOTING SCHEDULE

MARK		F4.0	F6.0		
FOOTING	DETAIL				
	SIZE	4'-0"x 4'-0"	6'-0"x 6'-0"		
	DEPTH	1'-2"	1'-6"		
	STEEL 1/2 EA WAY TOP		10#5		
	STEEL 1/2 EA WAY BOT	12#4	16#6		



9 DETAILS – SLAB ON GRADE — NO SCALE

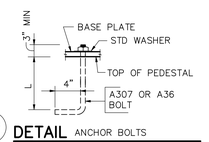
NOTE: SAWED JOINTS MUST BE CUT WITHIN 12 HOURS OF POURING SLAB.



11 SECTION AT CONTROL JOINT

INTERSECTIONS — NO SCALE

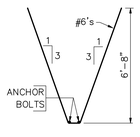
NOTE:
THIS DETAIL APPLIES TO ALL "T" INTERSECTIONS OF SLAB CONTROL JOINTS.



12 DETAIL ANCHOR BOLTS

FOR METAL BLDG. — NO SCALE

BOLT DIA	3/4"ø	1"ø
EMBEDMENT "L"	10"	12"



14 HAIRPIN DETAIL — NO SCALE

NOTE: PROVIDE HAIRPINS WHERE SHOWN. 3" CL FROM TOP OF SLAB.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 038135 WILLIAM T. EASTERLING
12/19/2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road,
Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

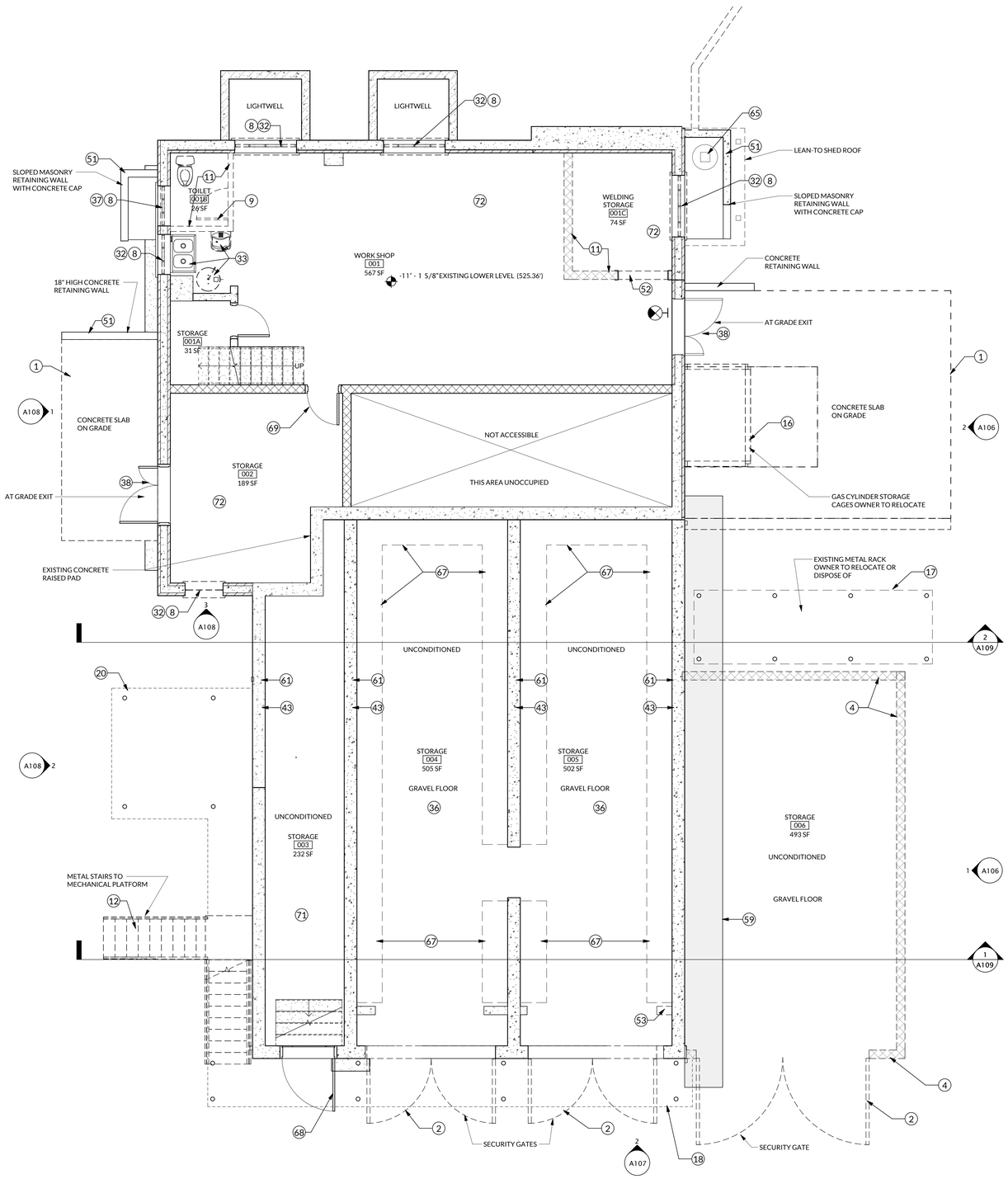
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SKE	WTE	12/19/2025

Sheet Name
FOUNDATION PLAN, DETAILS & SECTIONS

Sheet Number
S201



1 A101 DEMOLITION PLAN - LOWER LEVEL
1/4" = 1'-0"

KEYED DEMOLITION NOTES

No.	Note
	TO BE REMOVED, BUT NOT LIMITED TO:
1	DEMOLISH CONCRETE PAD
2	DEMOLISH FENCING AND GATE.
3	DEMOLISH EXISTING EXTERIOR CONCRETE STAIRS
4	DEMOLISH EXTERIOR CMU WALLS, FOUNDATION/FOOTING, AND WOOD FRAMED METAL ROOF
5	DEMOLISH VINYL SIDING AND WOOD FRAMED EXTERIOR WALLS
6	DEMOLISH EXISTING LEAN-TO SHED ROOF RAFTERS & METAL ROOFING MATERIAL
7	DEMOLISH EXISTING DOORS, LEAVE FRAME
8	DEMOLISH EXISTING EXTERIOR WINDOW - EXISTING WINDOW CAULKING IS KNOWN TO CONTAIN ASBESTOS - SEE HAZARDOUS MATERIAL NOTES FOR MORE INFORMATION
9	DEMOLISH EXISTING DOOR
10	DEMOLISH EXISTING CASEWORK
11	DEMOLISH EXISTING INTERIOR WALLS
12	DEMOLISH EXISTING EXTERIOR STAIRS AND RAILING
13	FURNITURE / EQUIPMENT TO BE REMOVED BY OWNER
14	DEMOLISH EXISTING WOOD FLOOR & JOISTS OVER TROUGH IN HATCHED AREA
15	DEMOLISH CONCRETE CURB TO ALLOW FLOOR TO BE LEVEL
16	DEMOLISH GAS CYLINDER STORAGE CAGES
17	DEMOLISH METAL MATERIAL RACK
18	DEMOLISH PLATFORM AS REQUIRED TO ERECT ADDITION IN THIS AREA
19	EXISTING WOOD FRAMED WALL TO REMAIN UNTIL DUST PARTITION WALLS ARE BUILT
20	DEMOLISH STEEL GRATE MECHANICAL PLATFORM, RAILING, & POSTS
21	DEMOLISH STEEL GRATE ELEVATED WALKWAY, RAILING, & POSTS - REMOVE POST FOOTINGS TO FACILITATE NEW WORK
22	DEMOLISH PLYWOOD IN ORIGINAL WINDOW OPENINGS TO EXPOSE ORIGINAL WINDOW OPENINGS
23	DEMOLISH WOOD FRAMED STAIRS
24	PROTECT ORIGINAL WOOD WALL PANELING FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH. SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
25	SCRAPE PAINT OFF OF EXISTING BRICK TO PREPARE FOR NEW SCHEDULED FINISHES
26	DEMOLISH WOOD PANELING
27	PROTECT EXISTING ORIGINAL WOOD AND GLASS DOORS FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH. SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
28	DEMOLISH EXISTING VINYL SHEET FLOORING ENTIRE ROOM
29	DEMOLISH INTERIOR WINDOW
30	EXISTING WORK BENCH/TABLE TO BE SALVAGED TO INSTALL IN RENOVATION
31	EXISTING WOOD FLOOR FRAMING JOISTS TO REMAIN; REMOVE PLYWOOD FLOOR IN THIS ROOM
32	EXISTING STONE/MASONRY WINDOW SILL TO REMAIN. PROTECT STONE SILLS DURING ALL WORK - TYPICAL
33	DEMOLISH PLUMBING FIXTURES - SEE PLUMBING DWGS.
34	DEMOLISH EXISTING ENTRY CANOPY
35	DEMOLISH EXISTING METAL STAIR RAILING
36	EXISTING STORAGE AREA HAS GRAVEL FLOOR - IT IS ASSUMED THAT THERE IS A CONCRETE SLAB BELOW THE GRAVEL. RENOVATION SCOPE INSTALLS A NEW CONCRETE FLOOR SLAB IN THIS AREA
37	DEMOLISH EXISTING STEEL FRAMED WINDOW AND BRICK COVERING THE EXTERIOR SIDE OF THIS WINDOW
38	REMOVE EXISTING DOORS & HARDWARE AND INSTALL TEMPORARY DOORS TO PROTECT FROM DAMAGE. REINSTALL DOOR & HARDWARE AT COMPLETION OF PROJECT
39	DEMOLISH EXISTING FLOOR FINISH IN THIS ROOM
40	DEMOLISH WOOD FRAMED ASPHALT SHINGLE ROOF, ROOF DECKING, & ROOF JOISTS - TYPICAL
41	EXISTING RAILING AT LIGHTWELL TO BE DEMOLISHED. PROTECT CONCRETE WALLS TO INSTALL NEW RAILING ON WALLS - TYPICAL
42	PROTECT ALL EXISTING BRICK TO REMAIN - PROTECT DURING ALL WORK
43	EXISTING CONCRETE WALL TO REMAIN
44	RELOCATE EXISTING ROOF SCUPPER - SEE RENOVATION ROOF PLAN. REMOVE & SALVAGE THE SCUPPER BOX TO BE REINSTALLED IN NEW LOCATION
45	DEMOLISH EXISTING GUTTERS AND DOWNSPOUTS ON EXISTING WOOD FRAMED ROOF
46	DEMOLISH EXISTING LIGHT FIXTURES
47	EXISTING CONCRETE BEAMS TO REMAIN
48	DEMOLISH SHOWER - SEE PLUMBING PLANS
49	DEMOLISH TOILET - SEE PLUMBING PLANS
50	DEMOLISH SINK - SEE PLUMBING PLANS
51	EXISTING SITE RETAINING WALLS TO REMAIN
52	DEMOLISH EXISTING STEEL HEADER AND JAMBS OF OPENING
53	DEMOLISH PORTION OF EXISTING CONCRETE WALL SHOWN HATCHED
54	EXISTING WOOD FRAMED FLOOR IN HATCHED AREA TO REMAIN
55	EXISTING SIGN TO REMAIN. PROECT DURING ALL WORK.
56	EXISTING STREET NUMBERS TO REMAIN. PROTECT DURING ALL WORK.
57	DEMOLISH EXISTING POWER SERVICE/METER
58	DEMOLISH EXISTING OVERFRAMED ROOF PORTION WITH MEMBRANE AT SCUPPER
59	GENERAL CONTRACTOR TO EXCAVATE AT EXIST. WALL TO INSTALL NEW FOOTING & FOUNDATION FOR ADDITION. ARCHITECT & STRUCTURAL ENGINEER TO WITNESS EXISTING FOOTING DEPTH
60	THIS WALL MAY BE STRUCTURALLY SUPPORTING THE ROOF WHERE THE SLOPE TRANSITIONS. G.C. TO VERIFY & ONLY REMOVE WALL AFTER ROOF IS DEMOLISHED
61	CORE DRILL FOR HVAC DUCTWORK/PIPING CONDUIT, ETC.
62	EXISTING EXTERIOR PRECAST PANELS TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
63	EXISTING ALUMINUM CHANNEL LETTERS (SIGNAGE) TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
64	DEMOLISH CEILING JOISTS & CEILING FINISH
65	EXISTING AIR COMPRESSOR - OWNER TO RELOCATE
66	DEMOLISH LEAN-TO SHED METAL ROOF & STRUCTURE/POSTS
67	DEMOLISH EXISTING WOOD STORAGE SHELVING
68	EXISTING STEEL DOOR, FRAME, AND HARDWARE TO REMAIN
69	EXISTING INTERIOR DOOR TO REMAIN - PROTECT DURING ALL WORK
70	SEE RENOVATION PLAN AND MECHANICAL PLANS FOR CHASE FOR MECHANICAL SYSTEM BETWEEN NEW SHOWERS; MODIFY EXISTING FLOOR JOISTS AS REQUIRED TO PROVIDE OPENING IN FLOOR FRAMING. HEADER OFF JOIST AND DOUBLE ADJACENT JOISTS TO PROVIDE OPENING
71	EXISTING CONCRETE FLOOR TO REMAIN
72	CLEAN EXISTING CONCRETE FLOOR TO PREPARE FOR NEW FINISH COATING - SEE ROOM FINISH SCHEDULE
73	SALVAGE EXTERIOR WINDOWSTO RE-INSTALL ONE IN CONFERENCE ROOM ON MAIN LEVEL
74	EXISTING GRAVEL IN OLD WATER TREATMENT FLUMES TO BE EXCAVATED TO ALLOW STRUCTURAL FOOTINGS AND PLUMBING DRAINS TO BE INSTALLED

GENERAL DEMOLITION NOTE: ITEMS SHOWN TO BE DEMOLISHED THAT HAVE PIPING, DRAINS, CONDUIT, WATER BOXES OR OTHER ASSOCIATED ITEMS SHALL HAVE ALL ASSOCIATED UTILITIES REMOVED UNLESS NOTED TO SAVE IN PLUMBING, MECHANICAL, OR ELECTRICAL PLANS - TYPICAL

HAZARDOUS MATERIALS NOTES

1. GENERAL CONTRACTOR TO REVIEW THE HAZARDOUS MATERIALS SURVEY REPORT INCLUDED WITH PROJECT MANUAL.

2. OWNER WILL ABATE THE KNOWN HAZARDOUS MATERIALS.

3. LEAD PAINT ITEMS & SCOPE

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NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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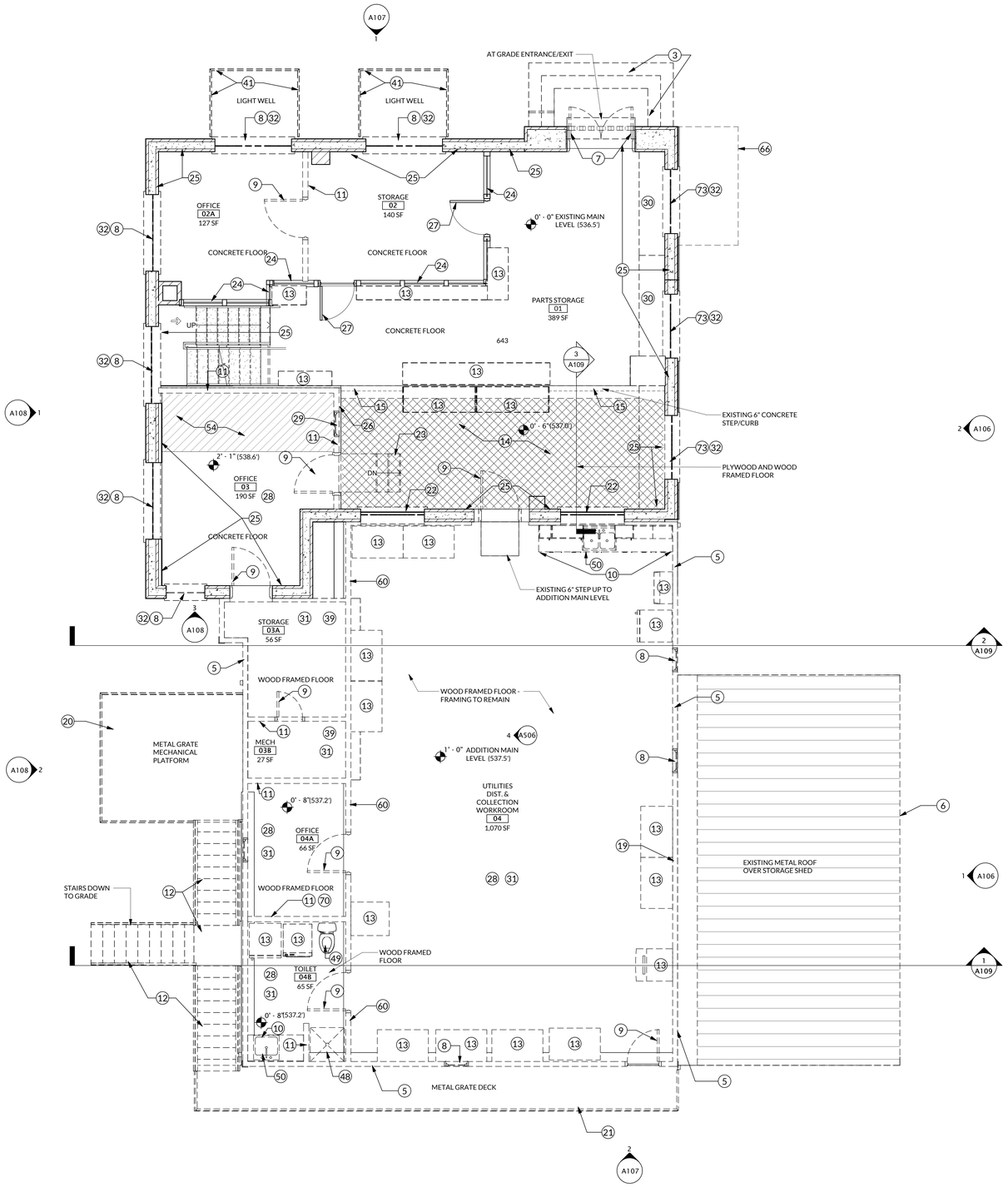
Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	EMC	DBD	12.19.2025

SHEET NAME:

DEMOLITION PLAN - LOWER LEVEL

A101



1 A102 DEMOLITION PLAN - MAIN LEVEL
1/4" = 1'-0"

KEYED DEMOLITION NOTES

No.	Note
	TO BE REMOVED, BUT NOT LIMITED TO:
1	DEMOLISH CONCRETE PAD
2	DEMOLISH FENCING AND GATE
3	DEMOLISH EXISTING EXTERIOR CONCRETE STAIRS
4	DEMOLISH EXTERIOR CMU WALLS, FOUNDATION/FOOTING, AND WOOD FRAMED METAL ROOF
5	DEMOLISH VINYL SIDING AND WOOD FRAMED EXTERIOR WALLS
6	DEMOLISH EXISTING LEAN-TO SHED ROOF RAFTERS & METAL ROOFING MATERIAL
7	DEMOLISH EXISTING DOORS, LEAVE FRAME
8	DEMOLISH EXISTING EXTERIOR WINDOW - EXISTING WINDOW CAULKING IS KNOWN TO CONTAIN ASBESTOS - SEE HAZARDOUS MATERIAL NOTES FOR MORE INFORMATION
9	DEMOLISH EXISTING DOOR
10	DEMOLISH EXISTING CASEWORK
11	DEMOLISH EXISTING INTERIOR WALLS
12	DEMOLISH EXISTING EXTERIOR STAIRS AND RAILING
13	FURNITURE / EQUIPMENT TO BE REMOVED BY OWNER
14	DEMOLISH EXISTING WOOD FLOOR & JOISTS OVER TROUGH IN HATCHED AREA
15	DEMOLISH CONCRETE CURB TO ALLOW FLOOR TO BE LEVEL
16	DEMOLISH GAS CYLINDER STORAGE CAGES
17	DEMOLISH METAL MATERIAL RACK
18	DEMOLISH PLATFORM AS REQUIRED TO ERECT ADDITION IN THIS AREA
19	EXISTING WOOD FRAMED WALL TO REMAIN UNTIL DUST PARTITION WALLS ARE BUILT
20	DEMOLISH STEEL GRATE MECHANICAL PLATFORM, RAILING, & POSTS
21	DEMOLISH STEEL GRATE ELEVATED WALKWAY, RAILING, & POSTS - REMOVE POST FOOTINGS TO FACILITATE NEW WORK
22	DEMOLISH PLYWOOD IN ORIGINAL WINDOW OPENINGS TO EXPOSE ORIGINAL WINDOW OPENINGS
23	DEMOLISH WOOD FRAMED STAIRS
24	PROTECT ORIGINAL WOOD WALL PANELING FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH, SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
25	SCRAPE PAINT OFF OF EXISTING BRICK TO PREPARE FOR NEW SCHEDULED FINISHES
26	DEMOLISH WOOD PANELING
27	PROTECT EXISTING ORIGINAL WOOD AND GLASS DOORS FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH, SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
28	DEMOLISH EXISTING VINYL SHEET FLOORING ENTIRE ROOM
29	DEMOLISH INTERIOR WINDOW
30	EXISTING WORK BENCH/TABLE TO BE SALVAGED TO INSTALL IN RENOVATION
31	EXISTING WOOD FLOOR FRAMING JOISTS TO REMAIN; REMOVE PLYWOOD FLOOR IN THIS ROOM
32	EXISTING STONE/MASONRY WINDOW SILL TO REMAIN. PROTECT STONE SILLS DURING ALL WORK - TYPICAL
33	DEMOLISH PLUMBING FIXTURES - SEE PLUMBING DWGS.
34	DEMOLISH EXISTING ENTRY CANOPY
35	DEMOLISH EXISTING METAL STAIR RAILING
36	EXISTING STORAGE AREA HAS GRAVEL FLOOR - IT IS ASSUMED THAT THERE IS A CONCRETE SLAB BELOW THE GRAVEL - RENOVATION SCOPE INSTALLS A NEW CONCRETE FLOOR SLAB IN THIS AREA
37	DEMOLISH EXISTING STEEL FRAMED WINDOW AND BRICK COVERING THE EXTERIOR SIDE OF THIS WINDOW
38	REMOVE EXISTING DOORS & HARDWARE AND INSTALL TEMPORARY DOORS TO PROTECT FROM DAMAGE. REINSTALL DOOR & HARDWARE AT COMPLETION OF PROJECT
39	DEMOLISH EXISTING FLOOR FINISH IN THIS ROOM
40	DEMOLISH WOOD FRAMED ASPHALT SHINGLE ROOF, ROOF DECKING, & ROOF JOISTS - TYPICAL
41	EXISTING RAILING AT LIGHTWELL TO BE DEMOLISHED. PROTECT CONCRETE WALLS TO INSTALL NEW RAILING ON WALLS - TYPICAL
42	PROTECT ALL EXISTING BRICK TO REMAIN - PROTECT DURING ALL WORK
43	EXISTING CONCRETE WALL TO REMAIN
44	RELOCATE EXISTING ROOF SCUPPER - SEE RENOVATION ROOF PLAN. REMOVE & SALVAGE THE SCUPPER BOX TO BE REINSTALLED IN NEW LOCATION
45	DEMOLISH EXISTING GUTTERS AND DOWNSPOUTS ON EXISTING WOOD FRAMED ROOF
46	DEMOLISH EXISTING LIGHT FIXTURES
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50	DEMOLISH SINK - SEE PLUMBING PLANS
51	EXISTING SITE RETAINING WALLS TO REMAIN
52	DEMOLISH EXISTING STEEL HEADER AND JAMBS OF OPENING
53	DEMOLISH PORTION OF EXISTING CONCRETE WALL SHOWN HATCHED
54	EXISTING WOOD FRAMED FLOOR IN HATCHED AREA TO REMAIN
55	EXISTING SIGN TO REMAIN. PROECT DURING ALL WORK.
56	EXISTING STREET NUMBERS TO REMAIN. PROTECT DURING ALL WORK.
57	DEMOLISH EXISTING POWER SERVICE/METER
58	DEMOLISH EXISTING OVERFRAMED ROOF PORTION WITH MEMBRANE AT SCUPPER
59	GENERAL CONTRACTOR TO EXCAVATE AT EXIST. WALL TO INSTALL NEW FOOTING & FOUNDATION FOR ADDITION. ARCHITECT & STRUCTURAL ENGINEER TO WITNESS EXISTING FOOTING DEPTH
60	THIS WALL MAY BE STRUCTURALLY SUPPORTING THE ROOF WHERE THE SLOPE TRANSITIONS. G.C. TO VERIFY & ONLY REMOVE WALL AFTER ROOF IS DEMOLISHED
61	CORE DRILL FOR HVAC DUCTWORK/PIPING CONDUIT, ETC.
62	EXISTING EXTERIOR PRECAST PANELS TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
63	EXISTING ALUMINUM CHANNEL LETTERS (SIGNAGE) TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
64	DEMOLISH CEILING JOISTS & CEILING FINISH
65	EXISTING AIR COMPRESSOR - OWNER TO RELOCATE
66	DEMOLISH LEAN-TO SHED METAL ROOF & STRUCTURE/POSTS
67	DEMOLISH EXISTING WOOD STORAGE SHELVING
68	EXISTING STEEL DOOR, FRAME, AND HARDWARE TO REMAIN
69	EXISTING INTERIOR DOOR TO REMAIN - PROTECT DURING ALL WORK
70	SEE RENOVATION PLAN AND MECHANICAL PLANS FOR CHASE FOR MECHANICAL SYSTEM BETWEEN NEW SHOWERS; MODIFY EXISTING FLOOR JOISTS AS REQUIRED TO PROVIDE OPENING IN FLOOR FRAMING. HEADER OFF JOIST AND DOUBLE ADJACENT JOISTS TO PROVIDE OPENING
71	EXISTING CONCRETE FLOOR TO REMAIN
72	CLEAN EXISTING CONCRETE FLOOR TO PREPARE FOR NEW FINISH COATING - SEE ROOM FINISH SCHEDULE
73	SALVAGE EXTERIOR WINDOWSTO RE-INSTALL ONE IN CONFERENCE ROOM ON MAIN LEVEL
74	EXISTING GRAVEL IN OLD WATER TREATMENT FLUMES TO BE EXCAVATED TO ALLOW STRUCTURAL FOOTINGS AND PLUMBING DRAINS TO BE INSTALLED

GENERAL DEMOLITION NOTE: ITEMS SHOWN TO BE DEMOLISHED THAT HAVE PIPING, DRAINS, CONDUIT, WATER BOXES OR OTHER ASSOCIATED ITEMS SHALL HAVE ALL ASSOCIATED UTILITIES REMOVED UNLESS NOTED TO SAVE IN PLUMBING, MECHANICAL, OR ELECTRICAL PLANS - TYPICAL

HAZARDOUS MATERIALS NOTES

1. GENERAL CONTRACTOR TO REVIEW THE HAZARDOUS MATERIALS SURVEY REPORT INCLUDED WITH PROJECT MANUAL.

2. OWNER WILL ABATE THE KNOWN HAZARDOUS MATERIALS.

3. LEAD PAINT ITEMS & SCOPE

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DAVID BLAKE DANIEL — 11381 — REGISTERED ARCHITECT — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

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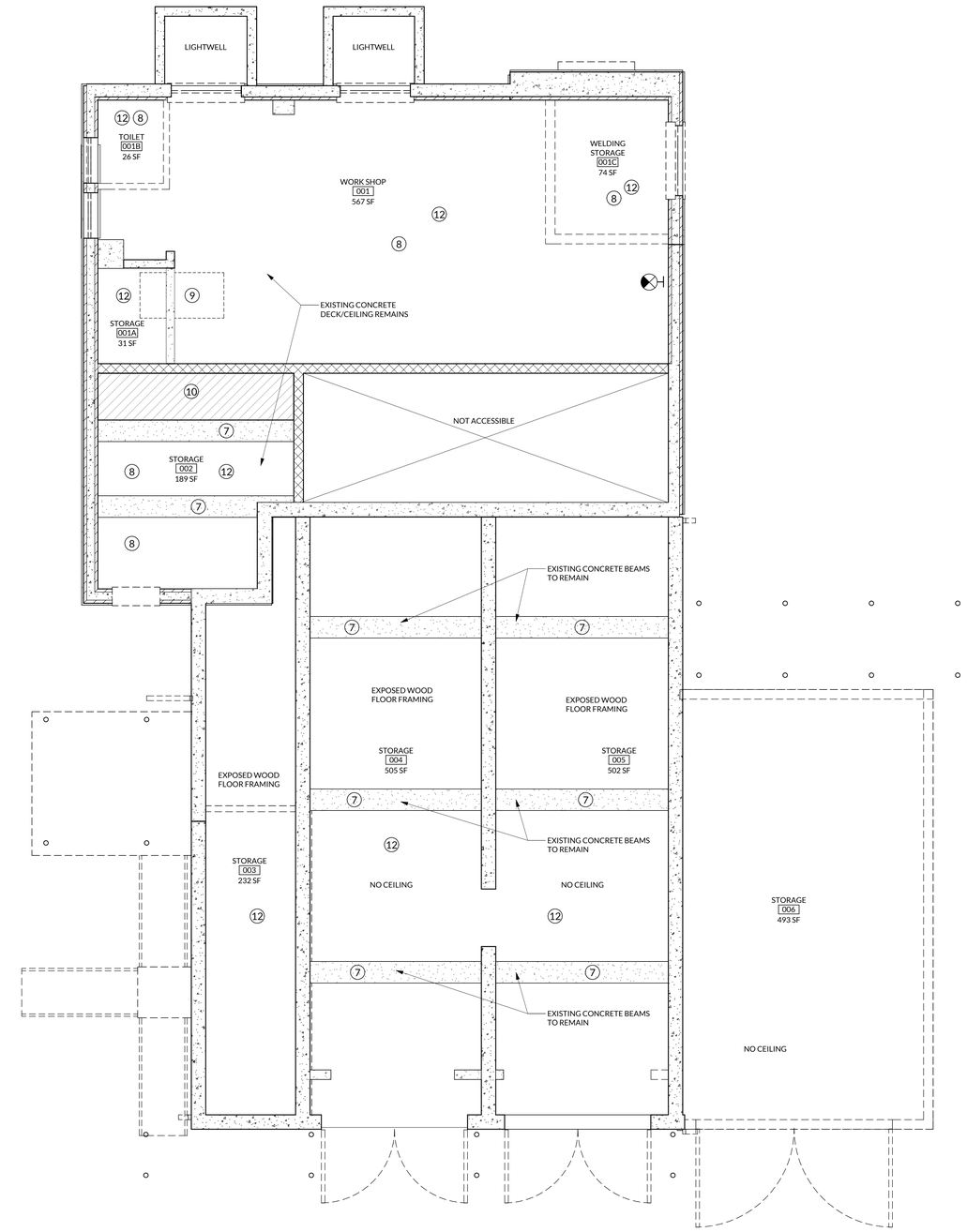
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DEMOLITION PLAN - MAIN LEVEL

A102



1 A103 **DEMOLITION RCP LOWER LEVEL**
1/4" = 1'-0"

KEYED CEILING DEMOLITION NOTES

No.	Note
	SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICES
1	DEMOLISH EXISTING CEILING
3	PREPARE EXISTING CONCRETE CEILING FOR NEW PAINT BY SCRAPING OLD FLAKING PAINT OFF AND CLEANING CONCRETE SURFACE - TYPICAL
4	DEMOLISH EXISTING PAINTED CEILING FINISH PANELS AND BATTENS, WOOD ROOF RAFTERS, ROOF SHEATHING AND ASHPALT SHINGLES OF THE CURRENT WOOD FRAMED ADDITION
5	EXISTING PENDANT LIGHTS TO BE SALVAGED AND REINSTALLED IN RENOVATION - RECONDITION PENDANTS PRIOR TO RE-INSTALLING.
6	DEMOLISH EXISTING SURFACE MOUNTED FLOURESCENT LIGHT FIXTURES AND CONDUIT - SEE ELECTRICAL
7	EXISTING CONCRETE BEAM REMAINS
8	CLEAN EXISTING CONCRETE SURFACE OF FLOOR DECK ABOVE TO PREPARE FOR NEW PAINTED CEILING PER ROOM FINISH SCHEDULE
9	CLEAN UNDERSIDE OF STAIR RUN TO MAIN LEVEL TO PREPARE FOR PAINT
10	EXISTING WOOD FRAMED FLOOR IN AREA SHOWN HATCHED ABOVE TO REMAIN
11	DEMOLISH EXISTING LIGHTING FIXTURES IN OFFICES, RESTROOMS, AND MECHANICAL AREAS
12	DEMOLISH EXISTING LIGHTING FIXTURES IN THIS ROOM - SEE ELECTRICAL PLANS
13	DEMOLISH EXISTING LIGHTING FIXTURES IN OFFICE 03, REMOVE ALL WOOD OR METAL FRAMING SUPPORTING CEILING TO EXPOSE THE CONCRETE ROOF DECK ABOVE

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

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Adron F. Thompson Addition & Renovation

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Not to Scale

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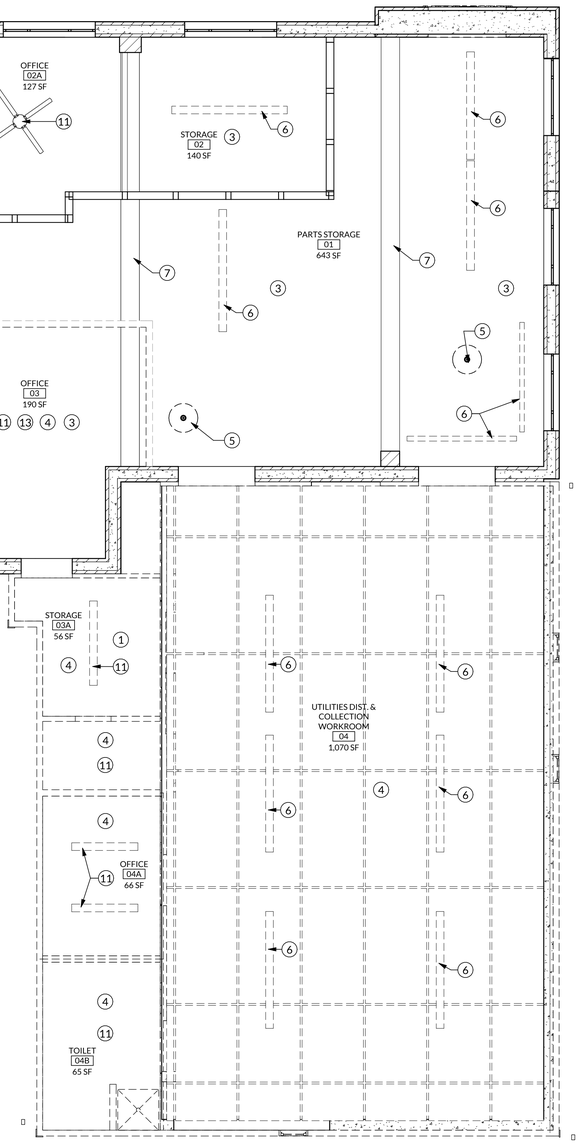
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SHEET NAME:

DEMOLITION RCP - LOWER LEVEL

A103



1 / A104 **DEMOLITION RCP MAIN LEVEL**
1/4" = 1'-0"

KEYED CEILING DEMOLITION NOTES

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PROJECT INFORMATION:

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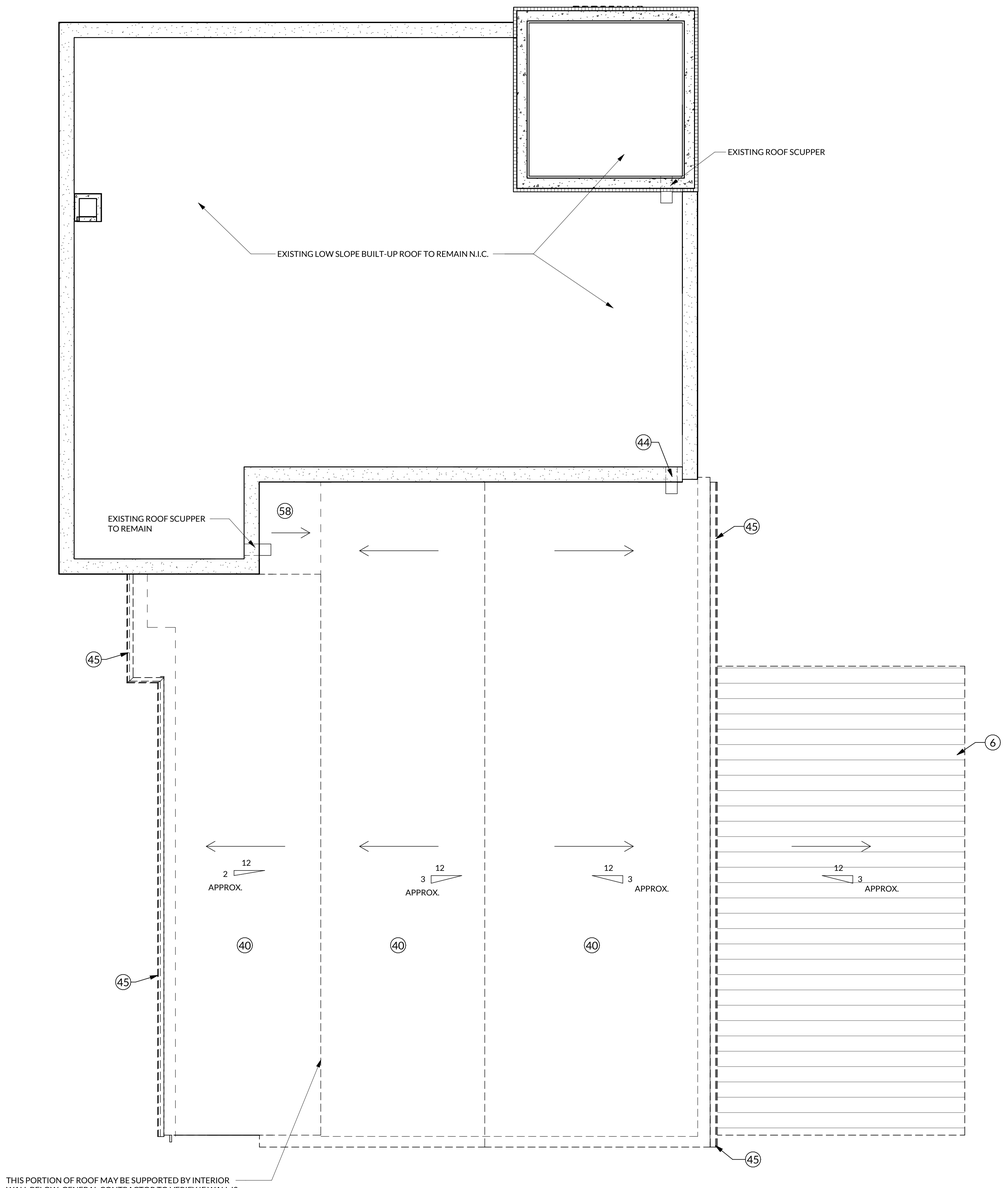
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SHEET NAME:

DEMOLITON RCP - MAIN LEVEL

A104



1 A105 **DEMOLITION ROOF PLAN**
1/4" = 1'-0"

KEYED DEMOLITION NOTES

No.	Note
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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

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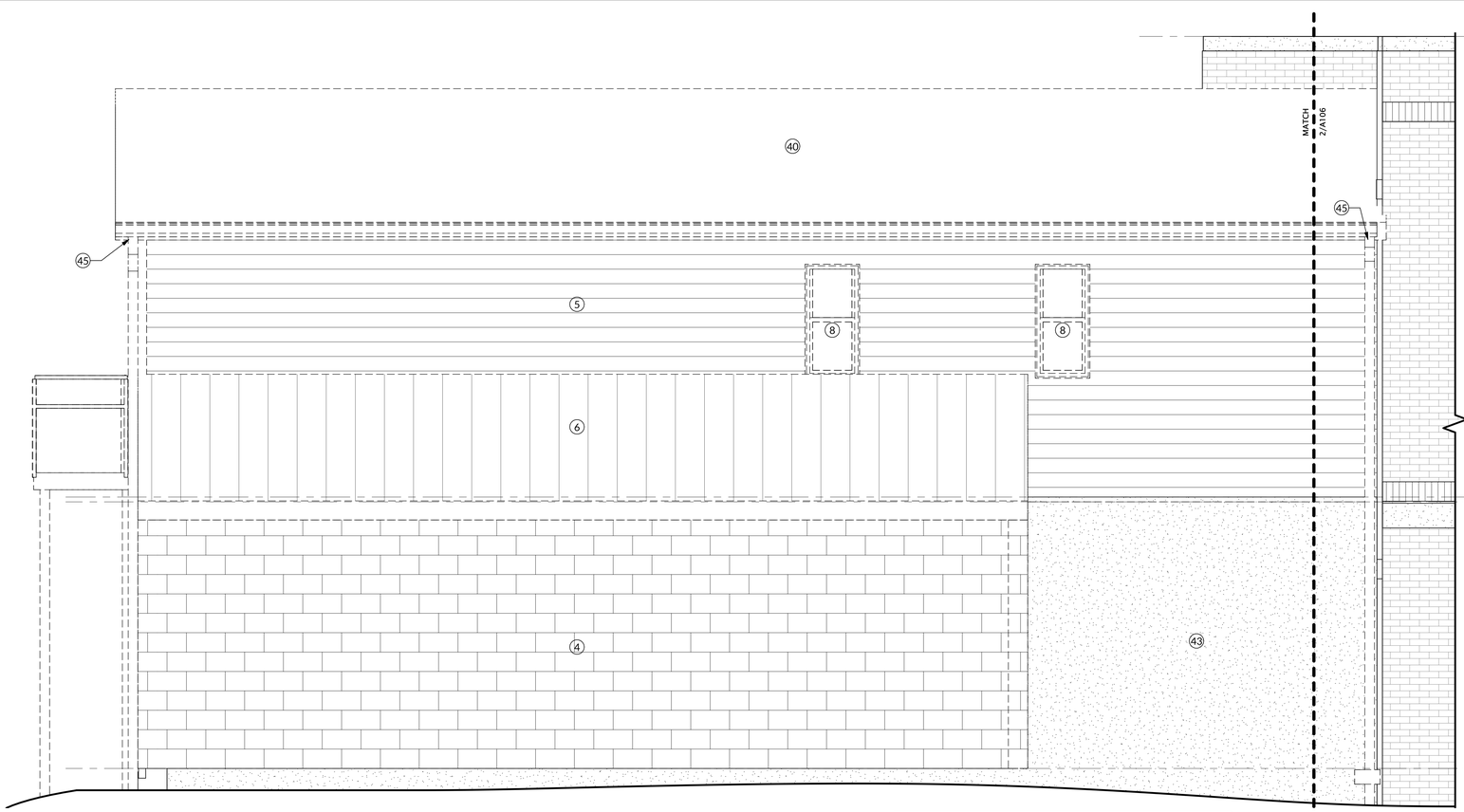
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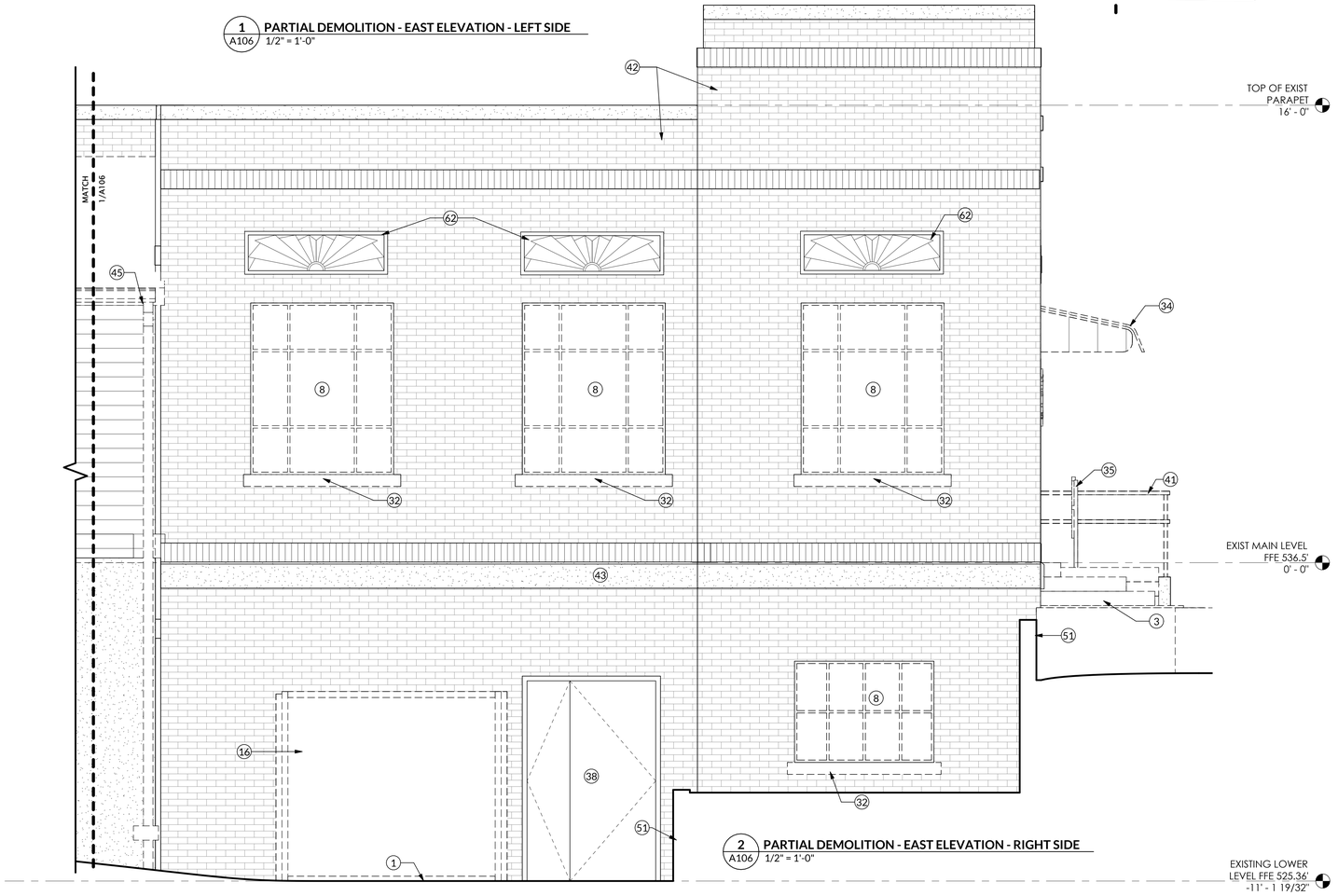
SHEET NAME:

DEMOLITION PLAN - ROOF

A105



1 A106 **PARTIAL DEMOLITION - EAST ELEVATION - LEFT SIDE**
1/2" = 1'-0"



2 A106 **PARTIAL DEMOLITION - EAST ELEVATION - RIGHT SIDE**
1/2" = 1'-0"

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4	DEMOLISH EXTERIOR CMU WALLS, FOUNDATION/FOOTING, AND WOOD FRAMED METAL ROOF
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13	FURNITURE / EQUIPMENT TO BE REMOVED BY OWNER
14	DEMOLISH EXISTING WOOD FLOOR & JOISTS OVER TROUGH IN HATCHED AREA
15	DEMOLISH CONCRETE CURB TO ALLOW FLOOR TO BE LEVEL
16	DEMOLISH GAS CYLINDER STORAGE CAGES
17	DEMOLISH METAL MATERIAL RACK
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19	EXISTING WOOD FRAMED WALL TO REMAIN UNTIL DUST PARTITION WALLS ARE BUILT
20	DEMOLISH STEEL GRATE MECHANICAL PLATFORM, RAILING, & POSTS
21	DEMOLISH STEEL GRATE ELEVATED WALKWAY, RAILING, & POSTS - REMOVE POST FOOTINGS TO FACILITATE NEW WORK
22	DEMOLISH PLYWOOD IN ORIGINAL WINDOW OPENINGS TO EXPOSE ORIGINAL WINDOW OPENINGS
23	DEMOLISH WOOD FRAMED STAIRS
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25	SCRAPE PAINT OFF OF EXISTING BRICK TO PREPARE FOR NEW SCHEDULED FINISHES
26	DEMOLISH WOOD PANELING
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31	EXISTING WOOD FLOOR FRAMING JOISTS TO REMAIN; REMOVE PLYWOOD FLOOR IN THIS ROOM
32	EXISTING STONE/MASONRY WINDOW SILL TO REMAIN. PROTECT STONE SILLS DURING ALL WORK - TYPICAL
33	DEMOLISH PLUMBING FIXTURES - SEE PLUMBING DWGS.
34	DEMOLISH EXISTING ENTRY CANOPY
35	DEMOLISH EXISTING METAL STAIR RAILING
36	EXISTING STORAGE AREA HAS GRAVEL FLOOR - IT IS ASSUMED THAT THERE IS A CONCRETE SLAB BELOW THE GRAVEL - RENOVATION SCOPE INSTALLS A NEW CONCRETE FLOOR SLAB IN THIS AREA
37	DEMOLISH EXISTING STEEL FRAMED WINDOW AND BRICK COVERING THE EXTERIOR SIDE OF THIS WINDOW
38	REMOVE EXISTING DOORS & HARDWARE AND INSTALL TEMPORARY DOORS TO PROTECT FROM DAMAGE. REINSTALL DOOR & HARDWARE AT COMPLETION OF PROJECT
39	DEMOLISH EXISTING FLOOR FINISH IN THIS ROOM
40	DEMOLISH WOOD FRAMED ASPHALT SHINGLE ROOF, ROOF DECKING, & ROOF JOISTS - TYPICAL
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42	PROTECT ALL EXISTING BRICK TO REMAIN - PROTECT DURING ALL WORK
43	EXISTING CONCRETE WALL TO REMAIN
44	RELOCATE EXISTING ROOF SCUPPER - SEE RENOVATION ROOF PLAN. REMOVE & SALVAGE THE SCUPPER BOX TO BE REINSTALLED IN NEW LOCATION
45	DEMOLISH EXISTING GUTTERS AND DOWNSPOUTS ON EXISTING WOOD FRAMED ROOF
46	DEMOLISH EXISTING LIGHT FIXTURES
47	EXISTING CONCRETE BEAMS TO REMAIN
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50	DEMOLISH SINK - SEE PLUMBING PLANS
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53	DEMOLISH PORTION OF EXISTING CONCRETE WALL SHOWN HATCHED
54	EXISTING WOOD FRAMED FLOOR IN HATCHED AREA TO REMAIN
55	EXISTING SIGN TO REMAIN. PROECT DURING ALL WORK.
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57	DEMOLISH EXISTING POWER SERVICE/METER
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59	GENERAL CONTRACTOR TO EXCAVATE AT EXIST. WALL TO INSTALL NEW FOOTING & FOUNDATION FOR ADDITION. ARCHITECT & STRUCTURAL ENGINEER TO WITNESS EXISTING FOOTING DEPTH
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NORTH CAROLINA
DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

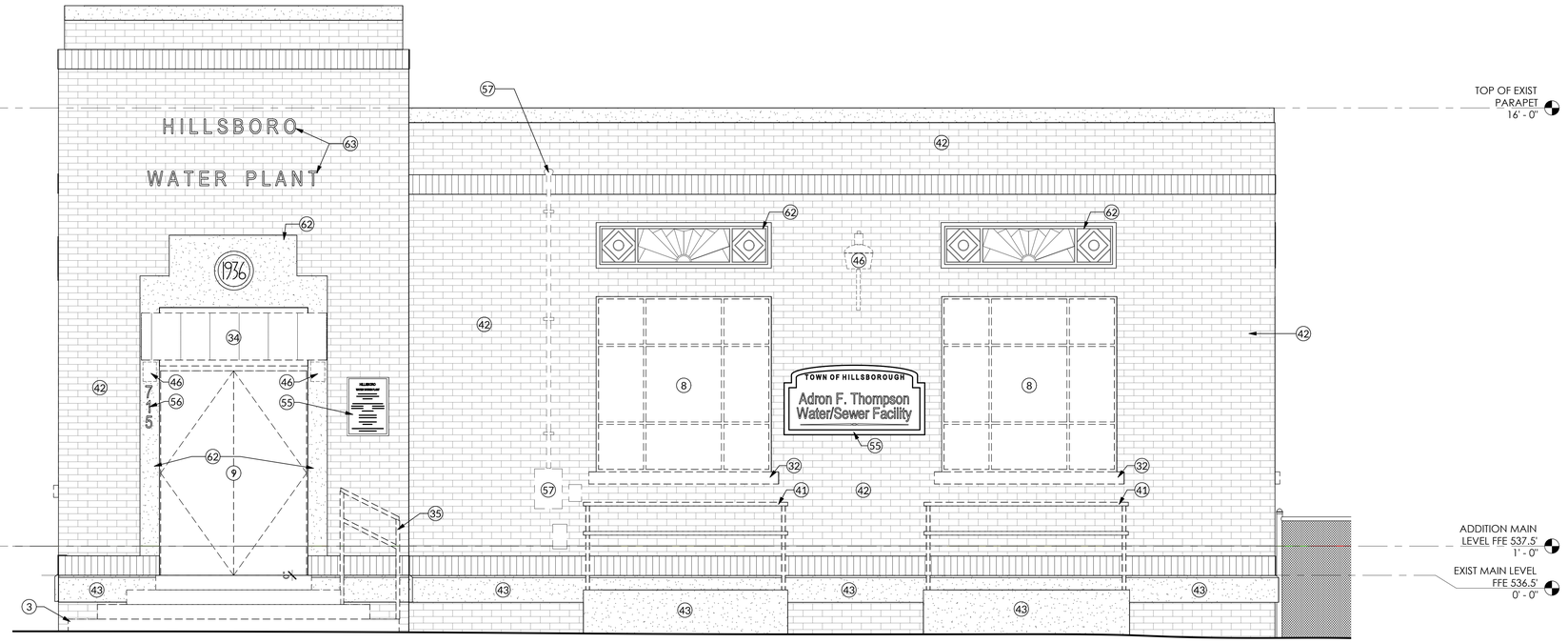
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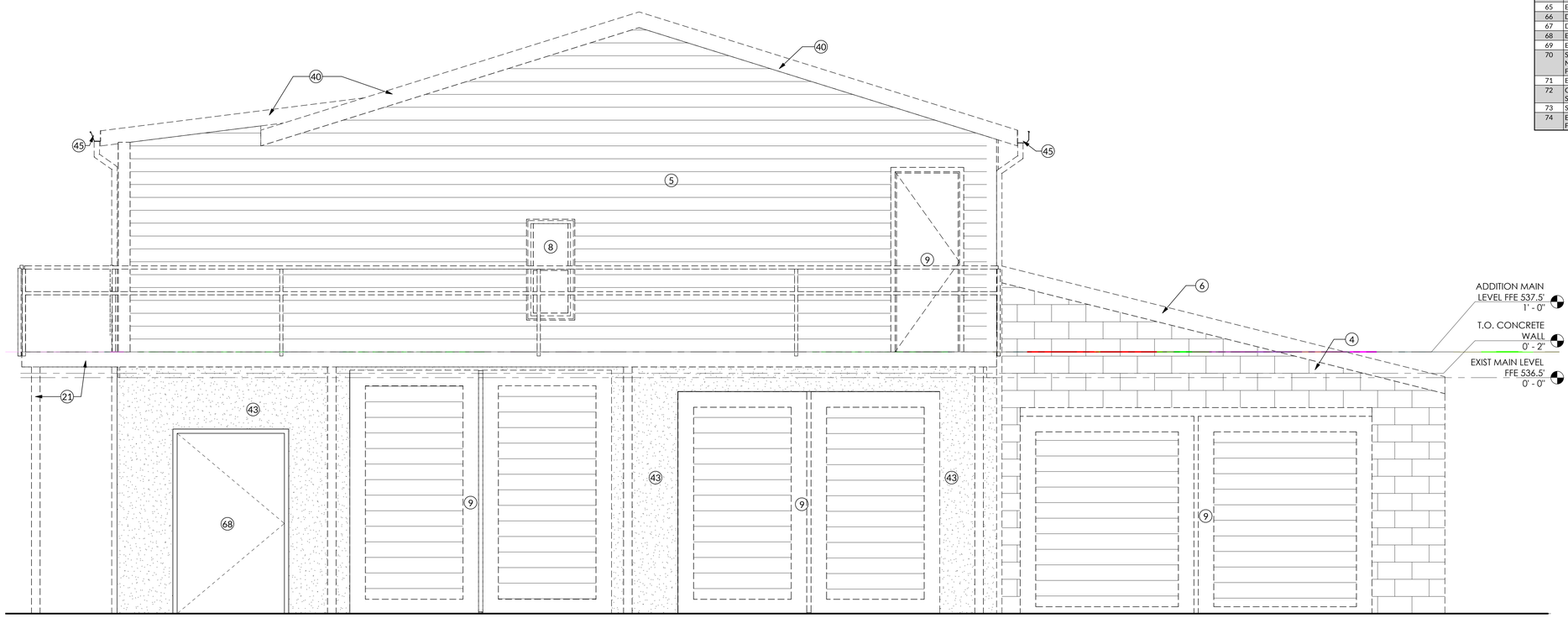
SHEET NAME:

DEMOLITION EXTERIOR EAST BUILDING ELEVATIONS

A106



1 A107 **DEMOLITION - NORTH ELEVATION**
1/2" = 1'-0"



2 A107 **DEMOLITON - SOUTH ELEVATION**
1/2" = 1'-0"

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DAVID BLAKE DANIEL ARCHITECT 11381 NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

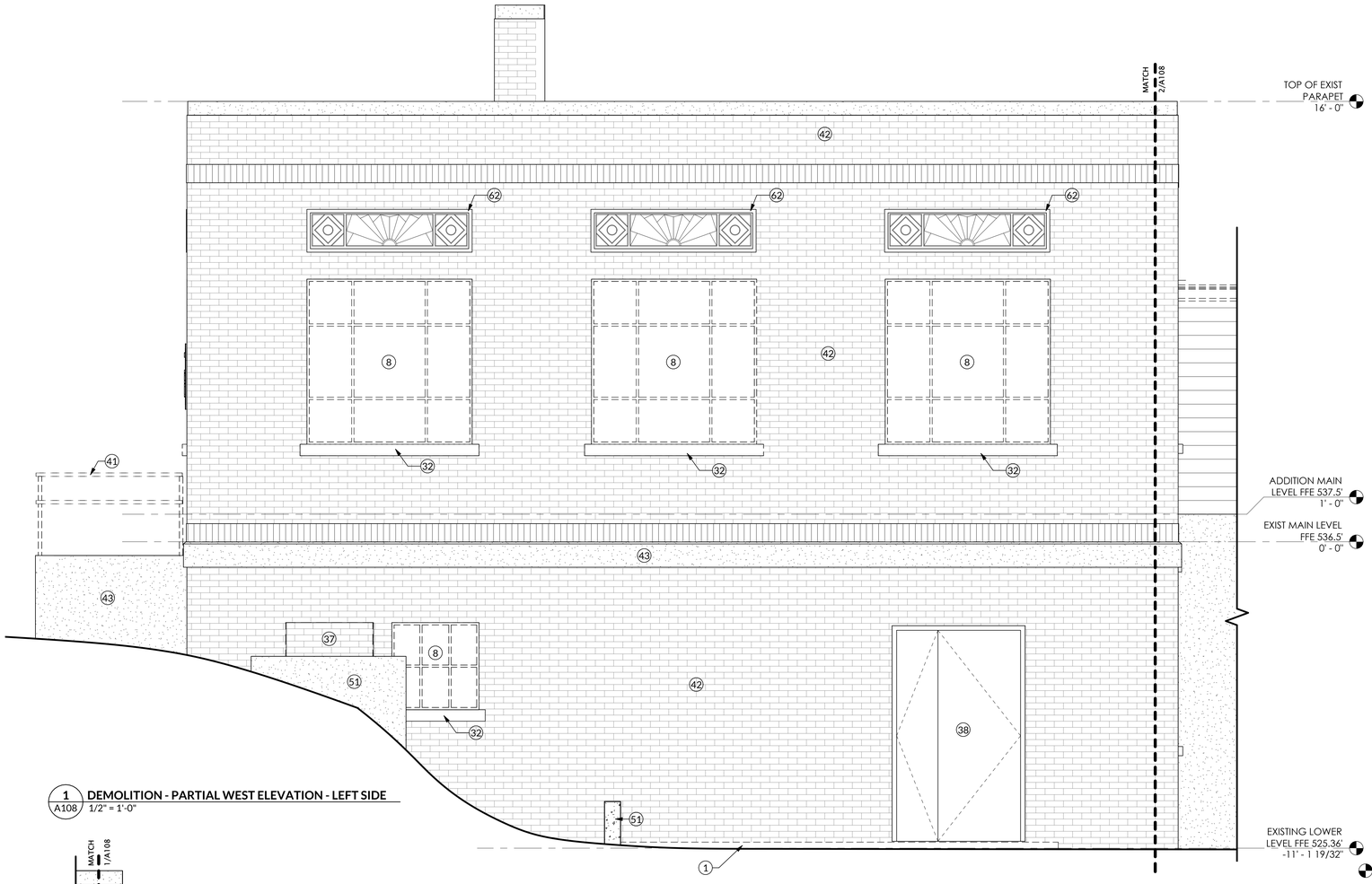
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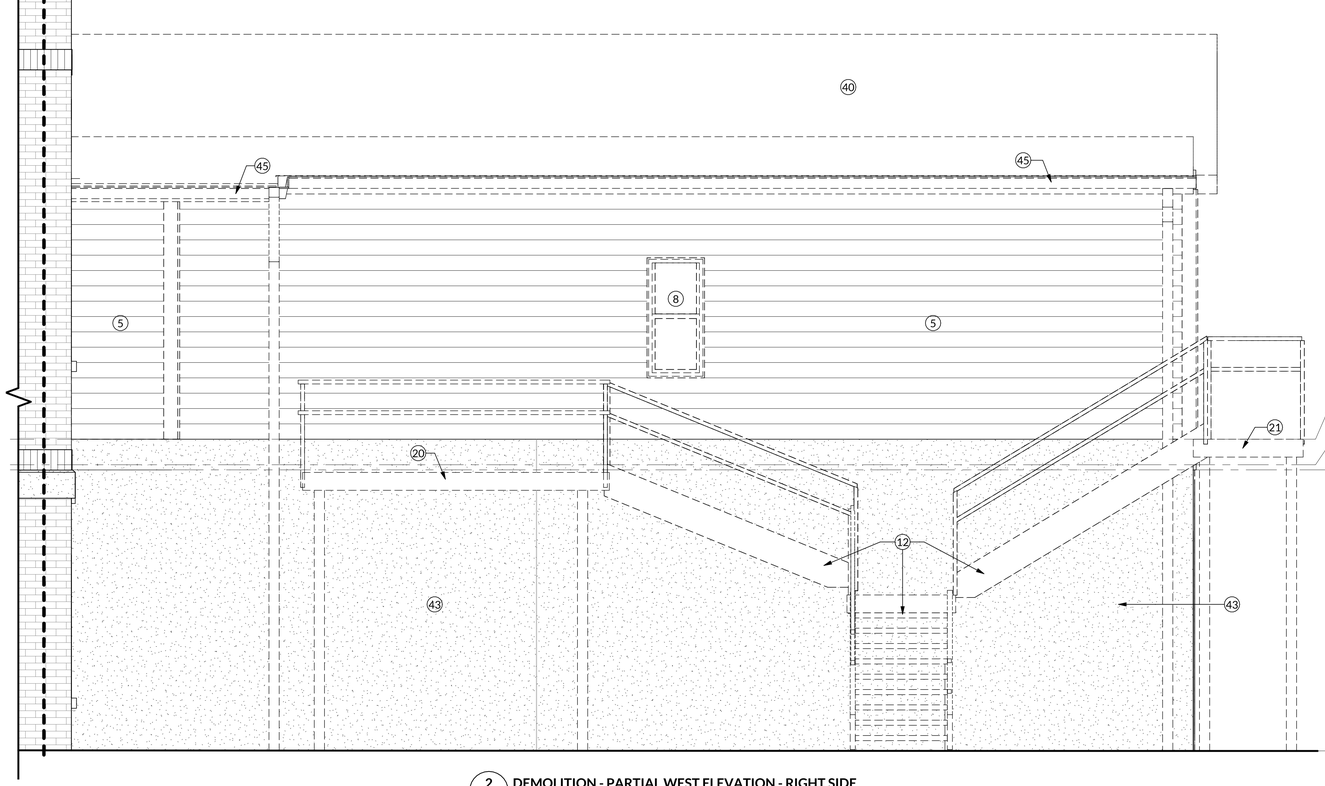
SHEET NAME:

DEMOLITION EXTERIOR NORTH & SOUTH BUILDING ELEVATIONS

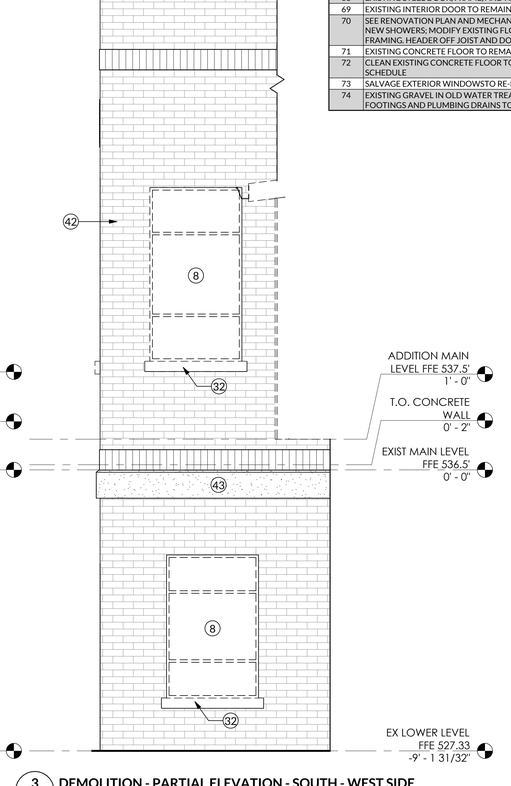
A107



1 A108 **DEMOLITION - PARTIAL WEST ELEVATION - LEFT SIDE**
1/2" = 1'-0"



2 A108 **DEMOLITION - PARTIAL WEST ELEVATION - RIGHT SIDE**
1/2" = 1'-0"



3 A108 **DEMOLITION - PARTIAL ELEVATION - SOUTH - WEST SIDE**
1/2" = 1'-0"

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North | Not to Scale

REVISIONS

No.	Date	Description

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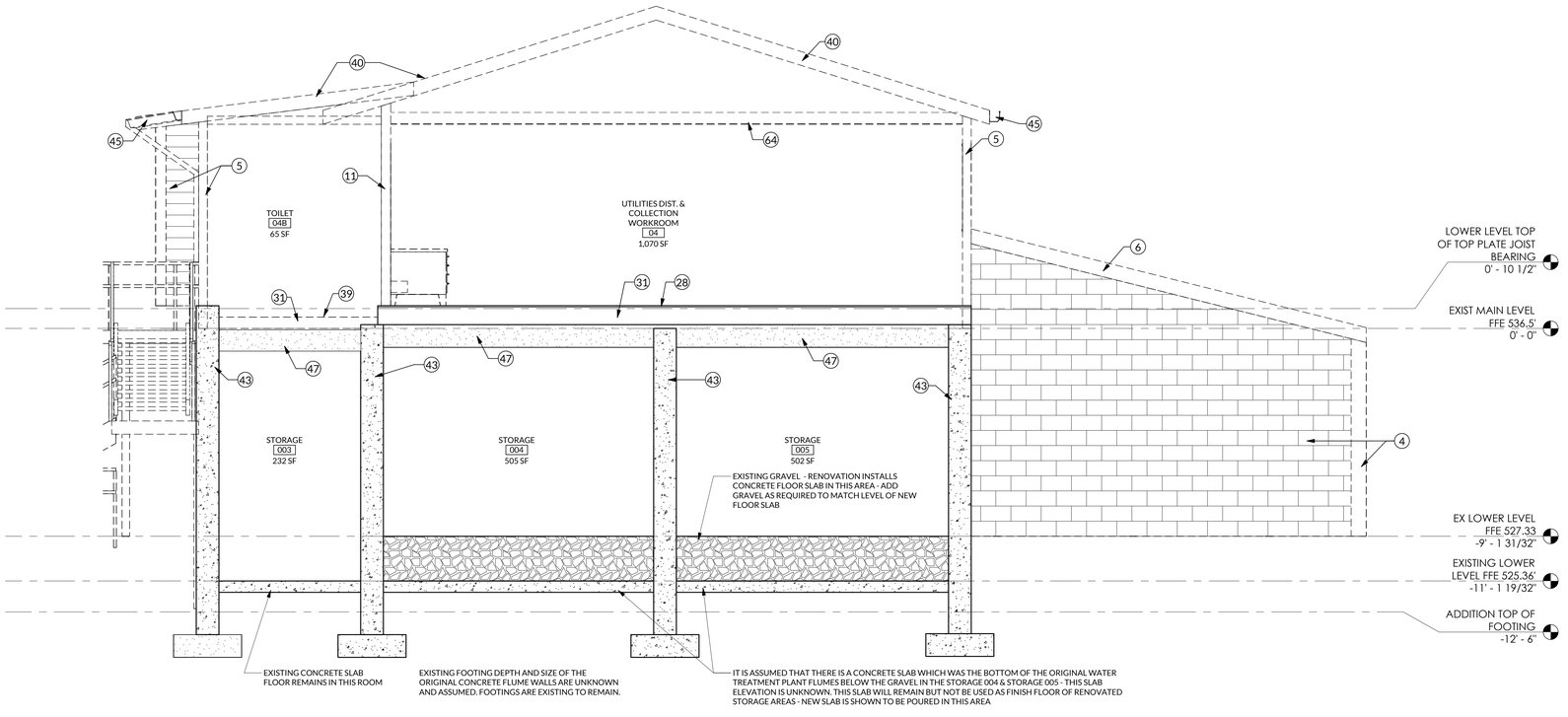
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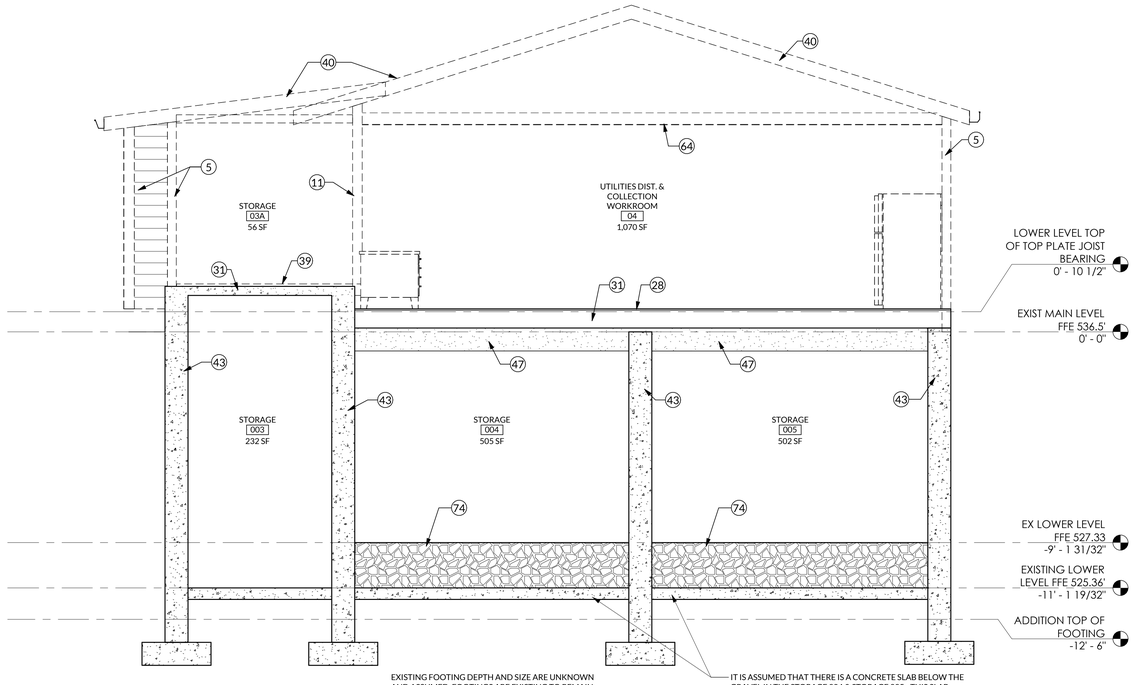
SHEET NAME:

DEMOLITION EXTERIOR WEST BUILDING ELEVATION

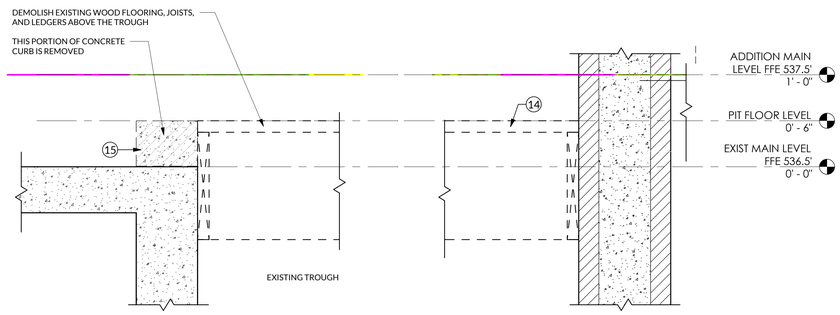
A108



1 A109 DEMOLITION SECTION @ ORIGINAL ADDITION
3/8" = 1'-0"



2 A109 DEMOLITION SECTION @ ORIGINAL ADDITION & RAISED STORAGE ROOM
3/8" = 1'-0"



3 A109 DEMOLITION SECTION DETAIL - CURB AT PIT FLOOR
1 1/2" = 1'-0"

KEYED DEMOLITION NOTES

No.	Note
	TO BE REMOVED, BUT NOT LIMITED TO:
1	DEMOLISH CONCRETE PAD
2	DEMOLISH FENCING AND GATE
3	DEMOLISH EXISTING EXTERIOR CONCRETE STAIRS
4	DEMOLISH EXTERIOR CMU WALLS, FOUNDATION/FOOTING, AND WOOD FRAMED METAL ROOF
5	DEMOLISH VINYL SIDING AND WOOD FRAMED EXTERIOR WALLS
6	DEMOLISH EXISTING LEAN-TO SHED ROOF RAFTERS & METAL ROOFING MATERIAL
7	DEMOLISH EXISTING DOORS, LEAVE FRAME
8	DEMOLISH EXISTING EXTERIOR WINDOW - EXISTING WINDOW CAULKING IS KNOWN TO CONTAIN ASBESTOS - SEE HAZARDOUS MATERIAL NOTES FOR MORE INFORMATION
9	DEMOLISH EXISTING DOOR
10	DEMOLISH EXISTING CASEWORK
11	DEMOLISH EXISTING INTERIOR WALLS
12	DEMOLISH EXISTING EXTERIOR STAIRS AND RAILING
13	FURNITURE / EQUIPMENT TO BE REMOVED BY OWNER
14	DEMOLISH EXISTING WOOD FLOOR & JOISTS OVER TROUGH IN HATCHED AREA
15	DEMOLISH CONCRETE CURB TO ALLOW FLOOR TO BE LEVEL
16	DEMOLISH GAS CYLINDER STORAGE CAGES
17	DEMOLISH METAL MATERIAL RACK
18	DEMOLISH PLATFORM AS REQUIRED TO ERECT ADDITION IN THIS AREA
19	EXISTING WOOD FRAMED WALL TO REMAIN UNTIL DUST PARTITION WALLS ARE BUILT
20	DEMOLISH STEEL GRATE MECHANICAL PLATFORM, RAILING, & POSTS
21	DEMOLISH STEEL GRATE ELEVATED WALKWAY, RAILING, & POSTS - REMOVE POST FOOTINGS TO FACILITATE NEW WORK
22	DEMOLISH PLYWOOD IN ORIGINAL WINDOW OPENINGS TO EXPOSE ORIGINAL WINDOW OPENINGS
23	DEMOLISH WOOD FRAMED STAIRS
24	PROTECT ORIGINAL WOOD WALL PANELING FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH, SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
25	SCRAPE PAINT OFF OF EXISTING BRICK TO PREPARE FOR NEW SCHEDULED FINISHES
26	DEMOLISH WOOD PANELING
27	PROTECT EXISTING ORIGINAL WOOD AND GLASS DOORS FROM DAMAGE. STRIP PAINT TO PREPARE FOR NEW STAINED FINISH, SAND EXISTING STAINED FINISH TO PREPARE FOR RE-FINISHING
28	DEMOLISH EXISTING VINYL SHEET FLOORING ENTIRE ROOM
29	DEMOLISH INTERIOR WINDOW
30	EXISTING WORK BENCH/TABLE TO BE SALVAGED TO INSTALL IN RENOVATION
31	EXISTING WOOD FLOOR FRAMING JOISTS TO REMAIN; REMOVE PLYWOOD FLOOR IN THIS ROOM
32	EXISTING STONE/MASONRY WINDOW SILL TO REMAIN. PROTECT STONE SILLS DURING ALL WORK - TYPICAL
33	DEMOLISH PLUMBING FIXTURES - SEE PLUMBING DWGS.
34	DEMOLISH EXISTING ENTRY CANOPY
35	DEMOLISH EXISTING METAL STAIR RAILING
36	EXISTING STORAGE AREA HAS GRAVEL FLOOR - IT IS ASSUMED THAT THERE IS A CONCRETE SLAB BELOW THE GRAVEL - RENOVATION SCOPE INSTALLS A NEW CONCRETE FLOOR SLAB IN THIS AREA
37	DEMOLISH EXISTING STEEL FRAMED WINDOW AND BRICK COVERING THE EXTERIOR SIDE OF THIS WINDOW
38	REMOVE EXISTING DOORS & HARDWARE AND INSTALL TEMPORARY DOORS TO PROTECT FROM DAMAGE. REINSTALL DOOR & HARDWARE AT COMPLETION OF PROJECT.
39	DEMOLISH EXISTING FLOOR FINISH IN THIS ROOM
40	DEMOLISH WOOD FRAMED ASPHALT SHINGLE ROOF, ROOF DECKING, & ROOF JOISTS - TYPICAL
41	EXISTING RAILING AT LIGHTWELL TO BE DEMOLISHED. PROTECT CONCRETE WALLS TO INSTALL NEW RAILING ON WALLS - TYPICAL
42	PROTECT ALL EXISTING BRICK TO REMAIN - PROTECT DURING ALL WORK
43	EXISTING CONCRETE WALL TO REMAIN
44	RELOCATE EXISTING ROOF SCUPPER - SEE RENOVATION ROOF PLAN. REMOVE & SALVAGE THE SCUPPER BOX TO BE REINSTALLED IN NEW LOCATION
45	DEMOLISH EXISTING GUTTERS AND DOWNSPOUTS ON EXISTING WOOD FRAMED ROOF
46	DEMOLISH EXISTING LIGHT FIXTURES
47	EXISTING CONCRETE BEAMS TO REMAIN
48	DEMOLISH SHOWER - SEE PLUMBING PLANS
49	DEMOLISH TOILET - SEE PLUMBING PLANS
50	DEMOLISH SINK - SEE PLUMBING PLANS
51	EXISTING SITE RETAINING WALLS TO REMAIN
52	DEMOLISH EXISTING STEEL HEADER AND JAMBS OF OPENING
53	DEMOLISH PORTION OF EXISTING CONCRETE WALL SHOWN HATCHED
54	EXISTING WOOD FRAMED FLOOR IN HATCHED AREA TO REMAIN
55	EXISTING SIGN TO REMAIN. PROECT DURING ALL WORK.
56	EXISTING STREET NUMBERS TO REMAIN. PROTECT DURING ALL WORK.
57	DEMOLISH EXISTING POWER SERVICE/METER
58	DEMOLISH EXISTING OVERFRAMED ROOF PORTION WITH MEMBRANE AT SCUPPER
59	GENERAL CONTRACTOR TO EXCAVATE AT EXIST. WALL TO INSTALL NEW FOOTING & FOUNDATION FOR ADDITION. ARCHITECT & STRUCTURAL ENGINEER TO WITNESS EXISTING FOOTING DEPTH
60	THIS WALL MAY BE STRUCTURALLY SUPPORTING THE ROOF WHERE THE SLOPE TRANSITIONS. G.C. TO VERIFY & ONLY REMOVE WALL AFTER ROOF IS DEMOLISHED
61	CORE DRILL FOR HVAC DUCTWORK/PIPING CONDUIT, ETC.
62	EXISTING EXTERIOR PRECAST PANELS TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
63	EXISTING ALUMINUM CHANNEL LETTERS (SIGNAGE) TO REMAIN - PROTECT DURING ALL WORK & CLEAN AT CONCLUSION OF WORK.
64	DEMOLISH CEILING JOISTS & CEILING FINISH
65	EXISTING AIR COMPRESSOR - OWNER TO RELOCATE
66	DEMOLISH LEAN-TO SHED METAL ROOF & STRUCTURE/POSTS
67	DEMOLISH EXISTING WOOD STORAGE SHELVING
68	EXISTING STEEL DOOR, FRAME, AND HARDWARE TO REMAIN
69	EXISTING INTERIOR DOOR TO REMAIN - PROTECT DURING ALL WORK
70	SEE RENOVATION PLAN AND MECHANICAL PLANS FOR CHASE FOR MECHANICAL SYSTEM BETWEEN NEW SHOWERS; MODIFY EXISTING FLOOR JOISTS AS REQUIRED TO PROVIDE OPENING IN FLOOR FRAMING. HEADER OFF JOIST AND DOUBLE ADJACENT JOISTS TO PROVIDE OPENING
71	EXISTING CONCRETE FLOOR TO REMAIN
72	CLEAN EXISTING CONCRETE FLOOR TO PREPARE FOR NEW FINISH COATING - SEE ROOM FINISH SCHEDULE
73	SALVAGE EXTERIOR WINDOWSTO RE-INSTALL ONE IN CONFERENCE ROOM ON MAIN LEVEL
74	EXISTING GRAVEL IN OLD WATER TREATMENT FLUMES TO BE EXCAVATED TO ALLOW STRUCTURAL FOOTINGS AND PLUMBING DRAINS TO BE INSTALLED

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

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DEMOLITION SECTIONS

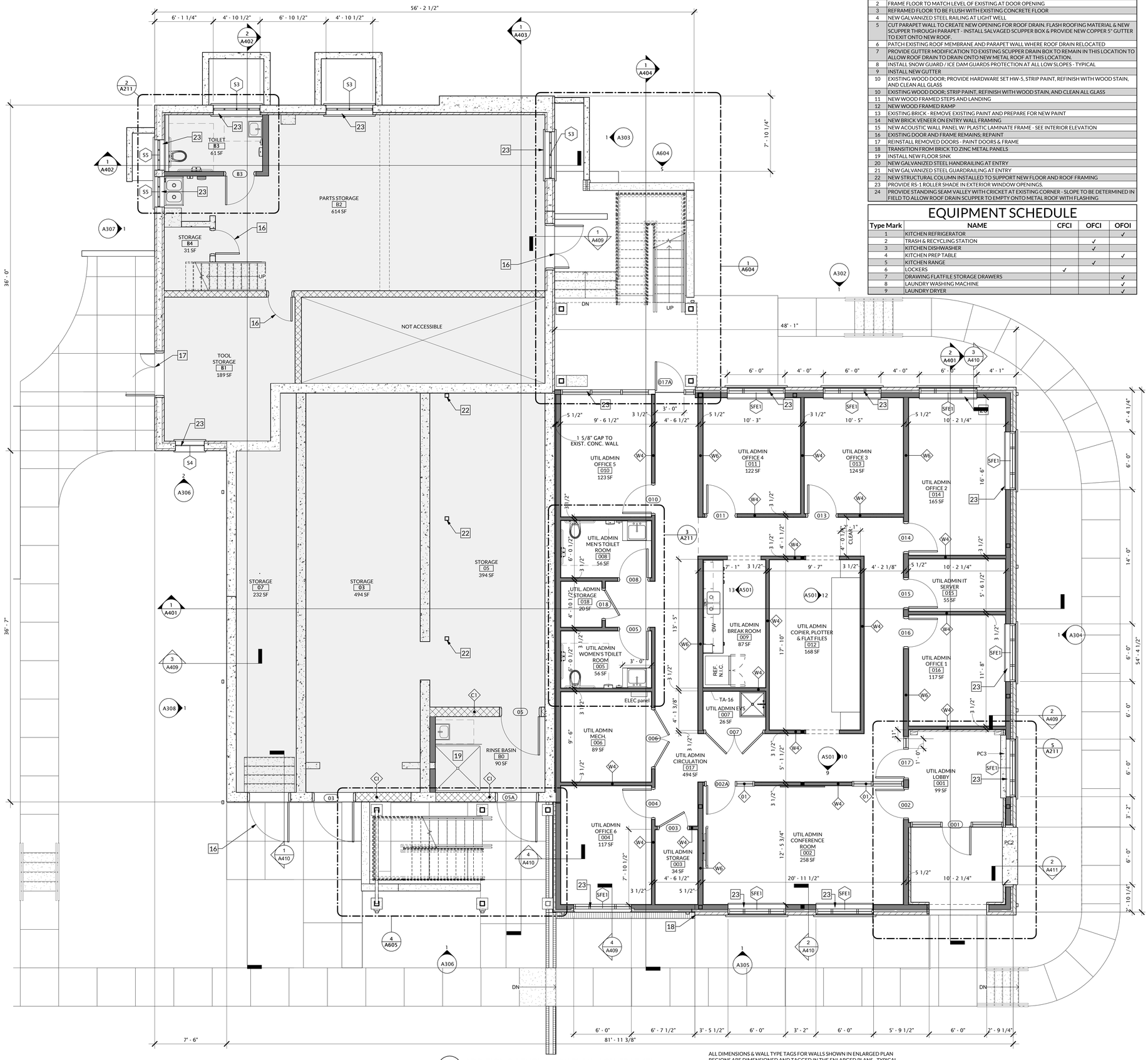
A109

KEYED RENOVATION NOTES

No.	Note
1	GC TO OVERFRAME THIS PORTION OF EXISTING ROOF
2	FRAME FLOOR TO MATCH LEVEL OF EXISTING AT DOOR OPENING
3	REFRAMED FLOOR TO BE FLUSH WITH EXISTING CONCRETE FLOOR
4	NEW GALVANIZED STEEL RAILING AT LIGHT WELL
5	CUT PARAPET WALL TO CREATE NEW OPENING FOR ROOF DRAIN. FLASH ROOFING MATERIAL & NEW SCUPPER THROUGH PARAPET - INSTALL SALVAGED SCUPPER BOX & PROVIDE NEW COPPER 5" GUTTER TO EXIT ONTO NEW ROOF.
6	PATCH EXISTING ROOF MEMBRANE AND PARAPET WALL WHERE ROOF DRAIN RELOCATED
7	PROVIDE GUTTER MODIFICATION TO EXISTING SCUPPER DRAIN BOX TO REMAIN IN THIS LOCATION TO ALLOW ROOF DRAIN TO DRAIN ONTO NEW METAL ROOF AT THIS LOCATION.
8	INSTALL SNOW GUARD / ICE DAM GUARDS PROTECTION AT ALL LOW SLOPES - TYPICAL
9	INSTALL NEW GUTTER
10	EXISTING WOOD DOOR; PROVIDE HARDWARE SET HW-5, STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
10	EXISTING WOOD DOOR; STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
11	NEW WOOD FRAMED STEPS AND LANDING
12	NEW WOOD FRAMED RAMP
13	EXISTING BRICK - REMOVE EXISTING PAINT AND PREPARE FOR NEW PAINT
14	NEW BRICK VENEER ON ENTRY WALL FRAMING
15	NEW ACOUSTIC WALL PANEL W/ PLASTIC LAMINATE FRAME - SEE INTERIOR ELEVATION
16	EXISTING DOOR AND FRAME REMAINS; REPAINT
17	REINSTALL REMOVED DOORS - PAINT DOORS & FRAME
18	TRANSITION FROM BRICK TO ZINC METAL PANELS
19	INSTALL NEW FLOOR SINK
20	NEW GALVANIZED STEEL HANDRAILING AT ENTRY
21	NEW GALVANIZED STEEL GUARDRAILING AT ENTRY
22	NEW STRUCTURAL COLUMN INSTALLED TO SUPPORT NEW FLOOR AND ROOF FRAMING
23	PROVIDE RS-1 ROLLER SHADE IN EXTERIOR WINDOW OPENINGS.
24	PROVIDE STANDING SEAM VALLEY WITH CRICKET AT EXISTING CORNER - SLOPE TO BE DETERMINED IN FIELD TO ALLOW ROOF DRAIN SCUPPER TO EMPTY ONTO METAL ROOF WITH FLASHING

EQUIPMENT SCHEDULE

Type Mark	NAME	CFCI	OFCI	OFOI
1	KITCHEN REFRIGERATOR			✓
2	TRASH & RECYCLING STATION		✓	
3	KITCHEN DISHWASHER		✓	
4	KITCHEN PREP TABLE			✓
5	KITCHEN RANGE		✓	
6	LOCKERS	✓		
7	DRAWING FLATFILE STORAGE DRAWERS			✓
8	LAUNDRY WASHING MACHINE			✓
9	LAUNDRY DRYER			✓



1 A201 **ADDITION & RENOVATION PLAN - LOWER LEVEL**
1/4" = 1'-0"

ALL DIMENSIONS & WALL TYPE TAGS FOR WALLS SHOWN IN ENLARGED PLAN REGIONS ARE DIMENSIONED AND TAGGED IN THE ENLARGED PLANS - TYPICAL

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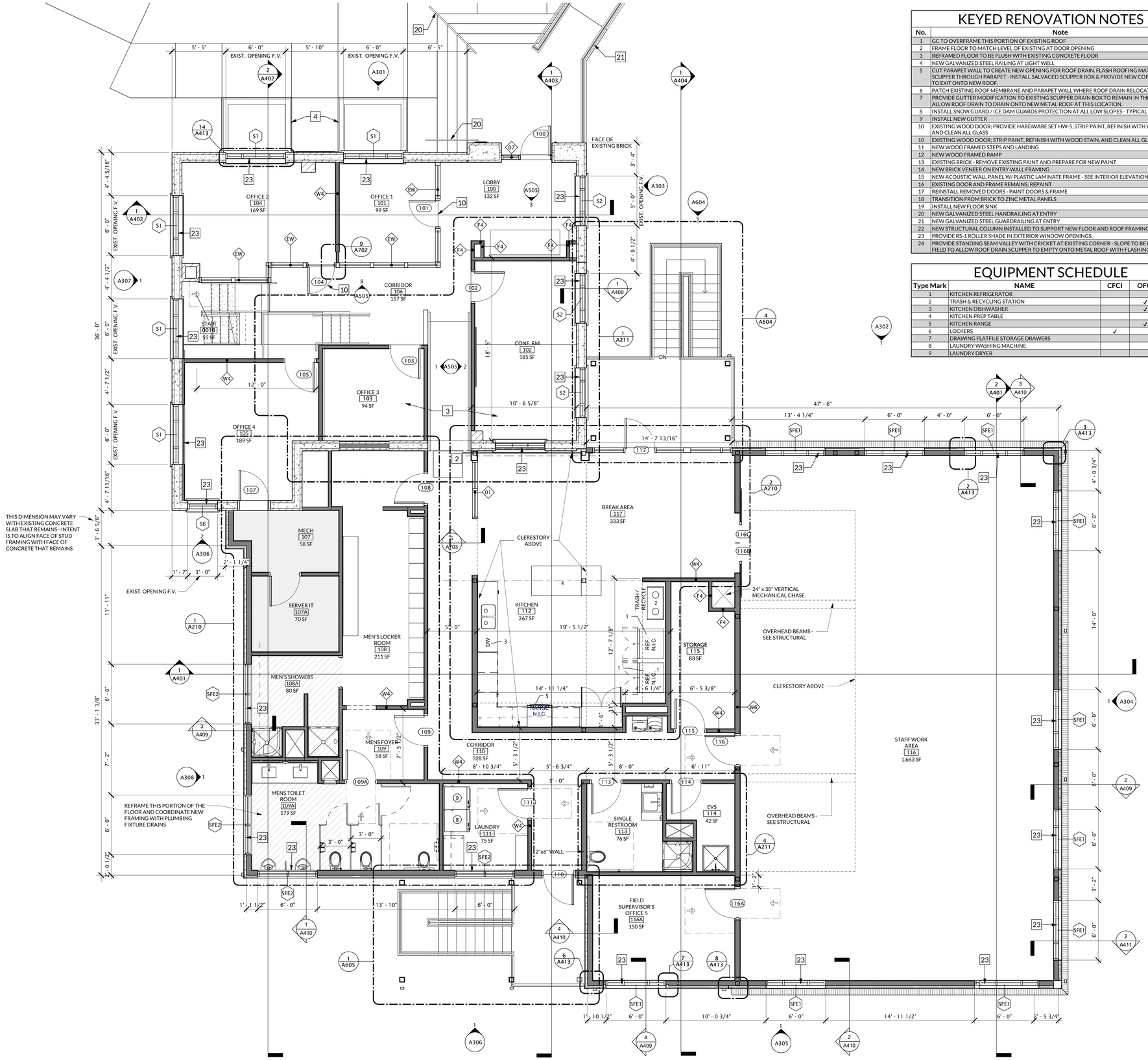
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RENOVATION ADDITION PLAN - LOWER LEVEL

A201



1 A202 **ADDITION & RENOVATION PLAN - MAIN LEVEL**
1/4" = 1'-0"

ALL DIMENSIONS & WALL TYPE TAGS FOR WALLS SHOWN IN ENLARGED PLAN REGIONS ARE DIMENSIONED AND TAGGED IN THE ENLARGED PLANS - TYPICAL

KEYED RENOVATION NOTES

No.	Note
1	GC TO OVERFRAME THIS PORTION OF EXISTING ROOF
2	FRAME FLOOR TO MATCH LEVEL OF EXISTING AT DOOR OPENING
3	REFRAMED FLOOR TO BE FLUSH WITH EXISTING CONCRETE FLOOR
4	NEW GALVANIZED STEEL RAILING AT LIGHT WELL
5	CUT PARAPET WALL TO CREATE NEW OPENING FOR ROOF DRAIN. FLASH ROOFING MATERIAL & NEW SCUPPER THROUGH PARAPET - INSTALL SALVAGED SCUPPER BOX & PROVIDE NEW COPPER 5" GUTTER TO EXIT ONTO NEW ROOF.
6	PATCH EXISTING ROOF MEMBRANE AND PARAPET WALL WHERE ROOF DRAIN RELOCATED
7	PROVIDE GUTTER MODIFICATION TO EXISTING SCUPPER DRAIN BOX TO REMAIN IN THIS LOCATION TO ALLOW ROOF DRAIN TO DRAIN ONTO NEW METAL ROOF AT THIS LOCATION.
8	INSTALL SNOW GUARD / ICE DAM GUARDS PROTECTION AT ALL LOW SLOPES - TYPICAL
9	INSTALL NEW GUTTER
10	EXISTING WOOD DOOR; PROVIDE HARDWARE SET HW-5, STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
10	EXISTING WOOD DOOR; STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
11	NEW WOOD FRAMED STEPS AND LANDING
12	NEW WOOD FRAMED RAMP
13	EXISTING BRICK - REMOVE EXISTING PAINT AND PREPARE FOR NEW PAINT
14	NEW BRICK VENEER ON ENTRY WALL FRAMING
15	NEW ACOUSTIC WALL PANEL W/ PLASTIC LAMINATE FRAME - SEE INTERIOR ELEVATION
16	EXISTING DOOR AND FRAME REMAINS; REPAINT
17	REINSTALL REMOVED DOORS - PAINT DOORS & FRAME
18	TRANSITION FROM BRICK TO ZINC METAL PANELS
19	INSTALL NEW FLOOR SINK
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EQUIPMENT SCHEDULE

Type Mark	NAME	CFCI	OFCI	OFOI
1	KITCHEN REFRIGERATOR			✓
2	TRASH & RECYCLING STATION		✓	
3	KITCHEN DISHWASHER		✓	
4	KITCHEN PREP TABLE			✓
5	KITCHEN RANGE		✓	
6	LOCKERS	✓		
7	DRAWING FLATFILE STORAGE DRAWERS			✓
8	LAUNDRY WASHING MACHINE			✓
9	LAUNDRY DRYER			✓

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DAVID BLAKE DANIEL
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NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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Plan North
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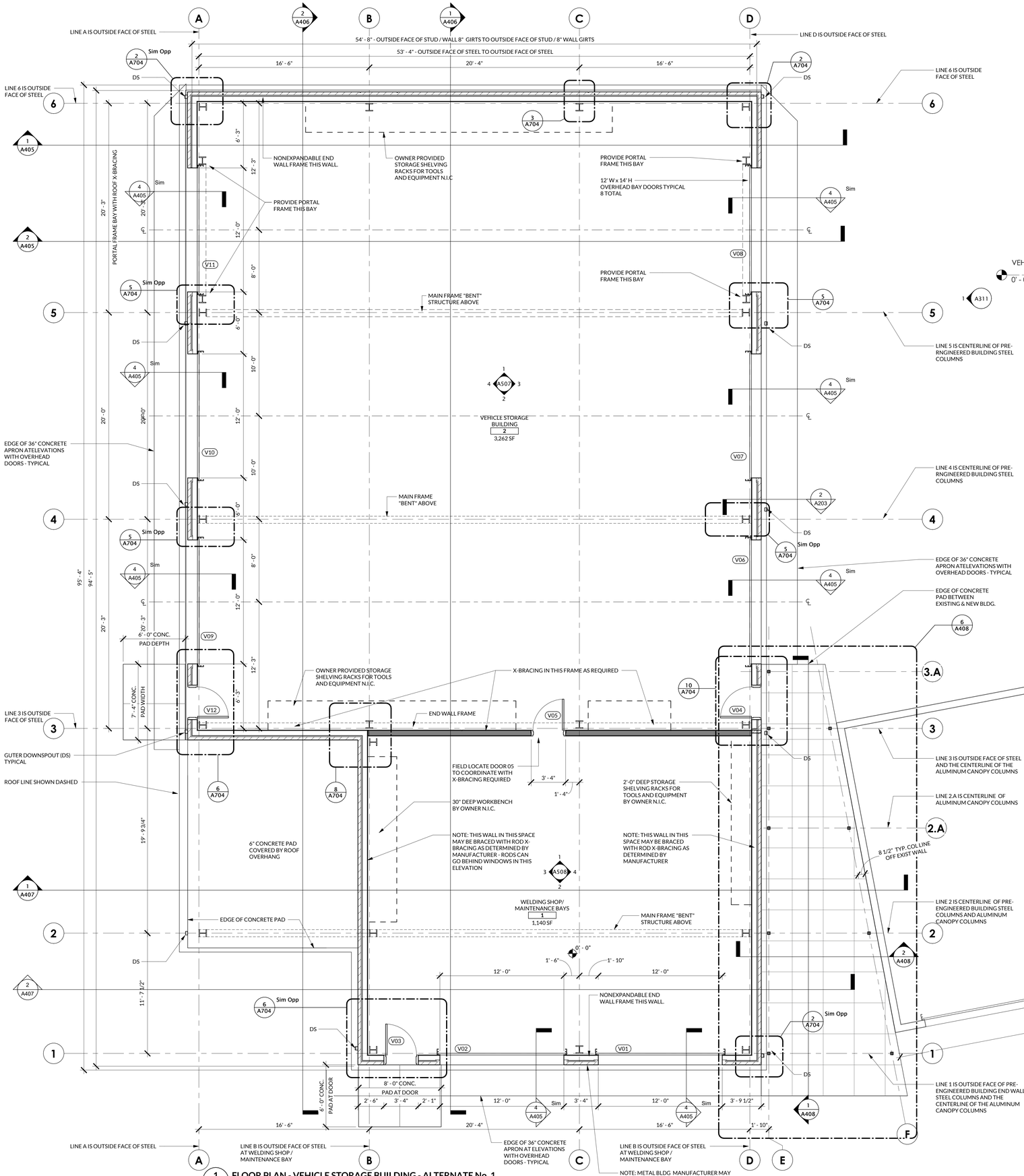
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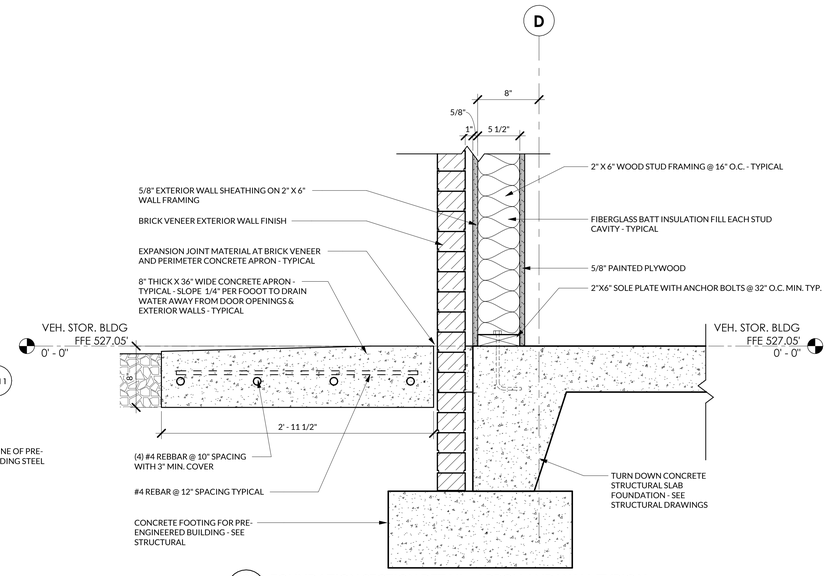
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RENOVATION ADDITION PLAN - MAIN LEVEL

A202



1 A203 FLOOR PLAN - VEHICLE STORAGE BUILDING - ALTERNATE No. 1
1/4" = 1'-0"



2 A203 FOUNDATION SECTION DETAIL - APRON AND WALL TYPICAL
1 1/2" = 1'-0"

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DAVID BLAKE DANIELS REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

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Adron F. Thompson Addition & Renovation

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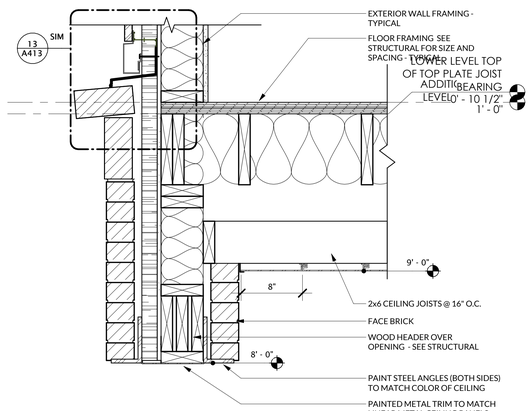
SHEET NAME:

FLOOR PLAN - VEHICLE STORAGE BUILDING

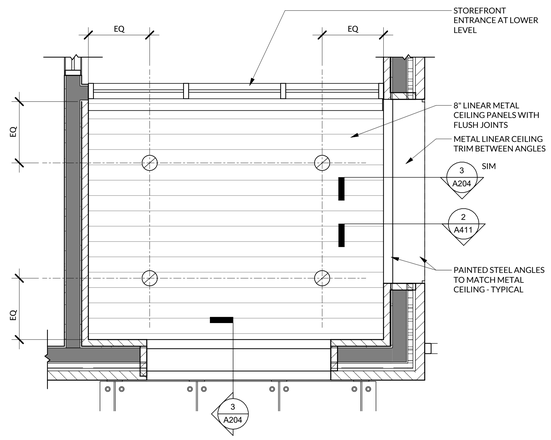
A203

KEYED CEILING RENOVATION NOTES

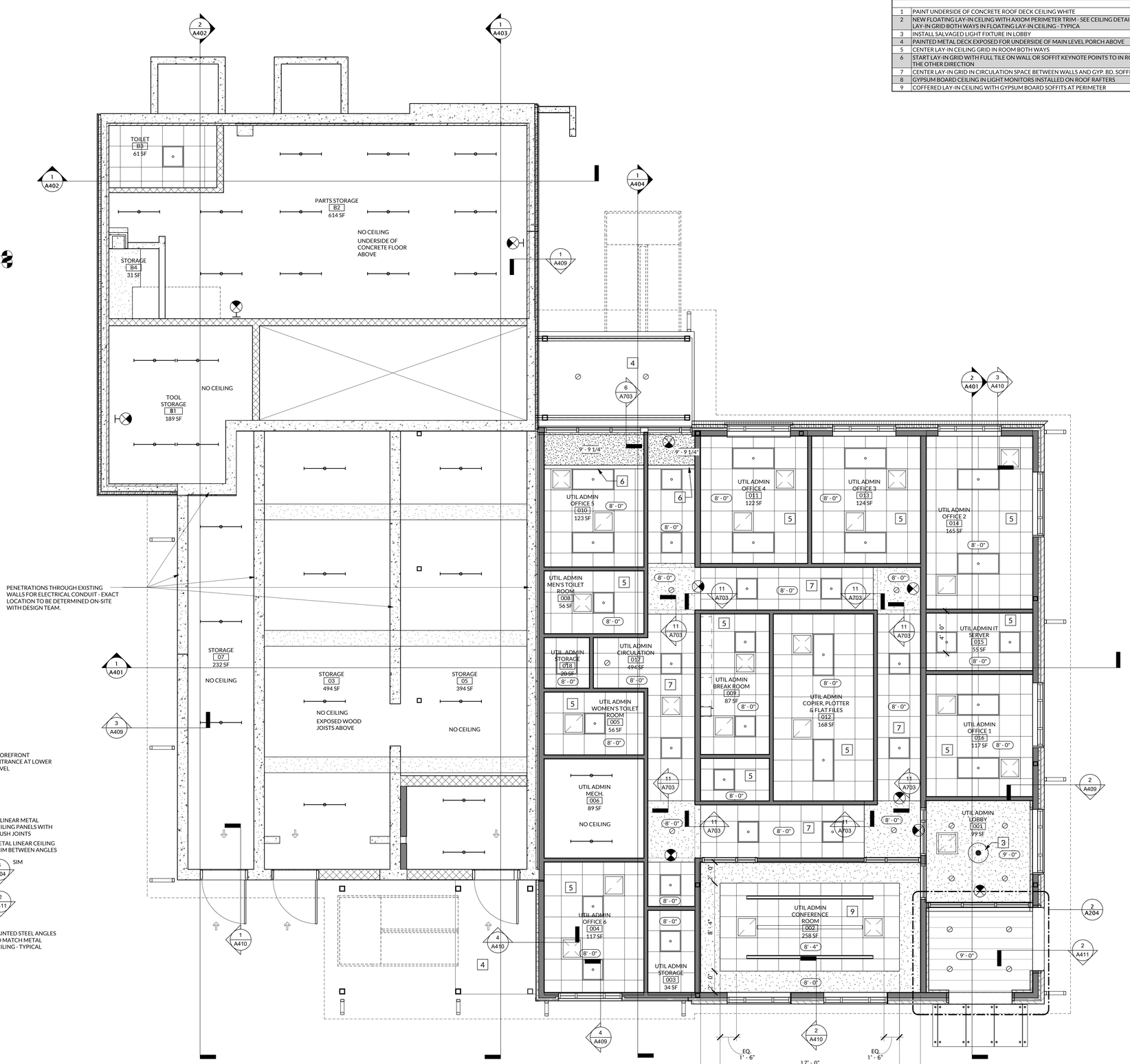
No.	Note
	SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICES
1	PAINT UNDERSIDE OF CONCRETE ROOF DECK CEILING WHITE
2	NEW FLOATING LAY-IN CEILING WITH AXIOM PERIMETER TRIM - SEE CEILING DETAILS - CENTER LAY-IN GRID BOTH WAYS IN FLOATING LAY-IN CEILING - TYPICA
3	INSTALL SALVAGED LIGHT FIXTURE IN LOBBY
4	PAINTED METAL DECK EXPOSED FOR UNDERSIDE OF MAIN LEVEL PORCH ABOVE
5	CENTER LAY-IN CEILING GRID IN ROOM BOTH WAYS
6	START LAY-IN GRID WITH FULL TILE ON WALL OR SOFFIT KEYNOTE POINTS TO IN RCP CENTER GRID THE OTHER DIRECTION
7	CENTER LAY-IN GRID IN CIRCULATION SPACE BETWEEN WALLS AND GYP. BD. SOFFITS - TYPICAL
8	GYPSUM BOARD CEILING IN LIGHT MONITORS INSTALLED ON ROOF RAFTERS
9	COFFERED LAY-IN CEILING WITH GYPSUM BOARD SOFFITS AT PERIMETER



3 / A204 SECTION DETAIL - CEILING & BRICK OPENING
1 1/2" = 1'-0"



2 / A204 ENLARGED LOWER LEVEL ENTRY RCP
1/2" = 1'-0"



1 / A204 RCP RENOVATION - LOWER LEVEL
1/4" = 1'-0"

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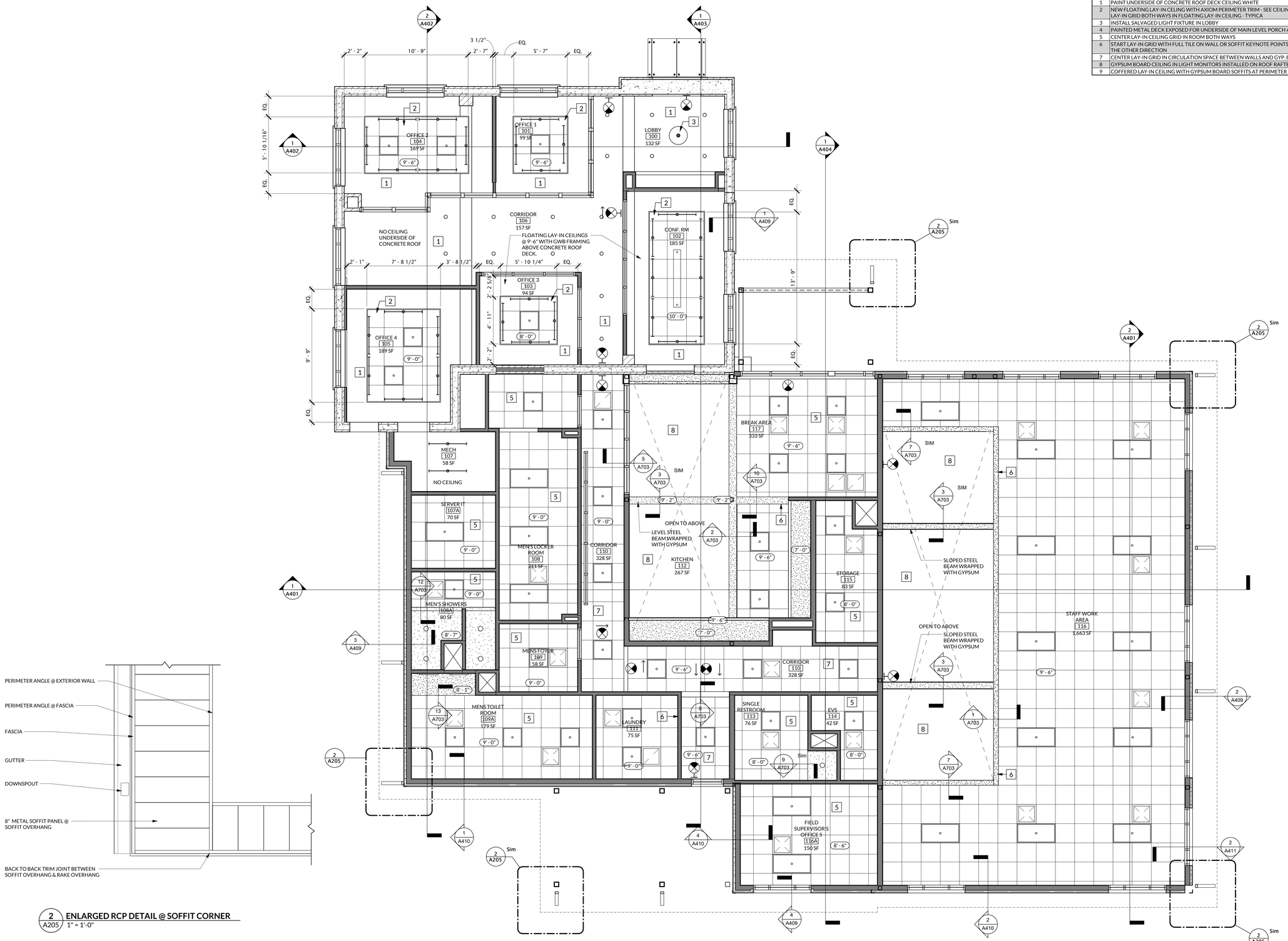
SHEET NAME:

RCP RENOVATION PLAN - LOWER LEVEL

A204

KEYED CEILING RENOVATION NOTES

No.	Note
	SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICES
1	PAINT UNDERSIDE OF CONCRETE ROOF DECK CEILING WHITE
2	NEW FLOATING LAY-IN CEILING WITH AXIOM PERIMETER TRIM - SEE CEILING DETAILS - CENTER LAY-IN GRID BOTH WAYS IN FLOATING LAY-IN CEILING - TYPICA
3	INSTALL SALVAGED LIGHT FIXTURE IN LOBBY
4	PAINTED METAL DECK EXPOSED FOR UNDERSIDE OF MAIN LEVEL PORCH ABOVE
5	CENTER LAY-IN CEILING GRID IN ROOM BOTH WAYS
6	START LAY-IN GRID WITH FULL TILE ON WALL OR SOFFIT KEYNOTE POINTS TO IN RCP CENTER GRID THE OTHER DIRECTION
7	CENTER LAY-IN GRID IN CIRCULATION SPACE BETWEEN WALLS AND GYP. BD. SOFFITS - TYPICAL
8	GYPSUM BOARD CEILING IN LIGHT MONITORS INSTALLED ON ROOF RAFTERS
9	COFFERED LAY-IN CEILING WITH GYPSUM BOARD SOFFITS AT PERIMETER



2 / A205 ENLARGED RCP DETAIL @ SOFFIT CORNER
1" = 1'-0"

1 / A205 RCP RENOVATION PLAN - MAIN LEVEL
1/4" = 1'-0"

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DAVID BLAKE DANIEL ARCHITECT 11381 NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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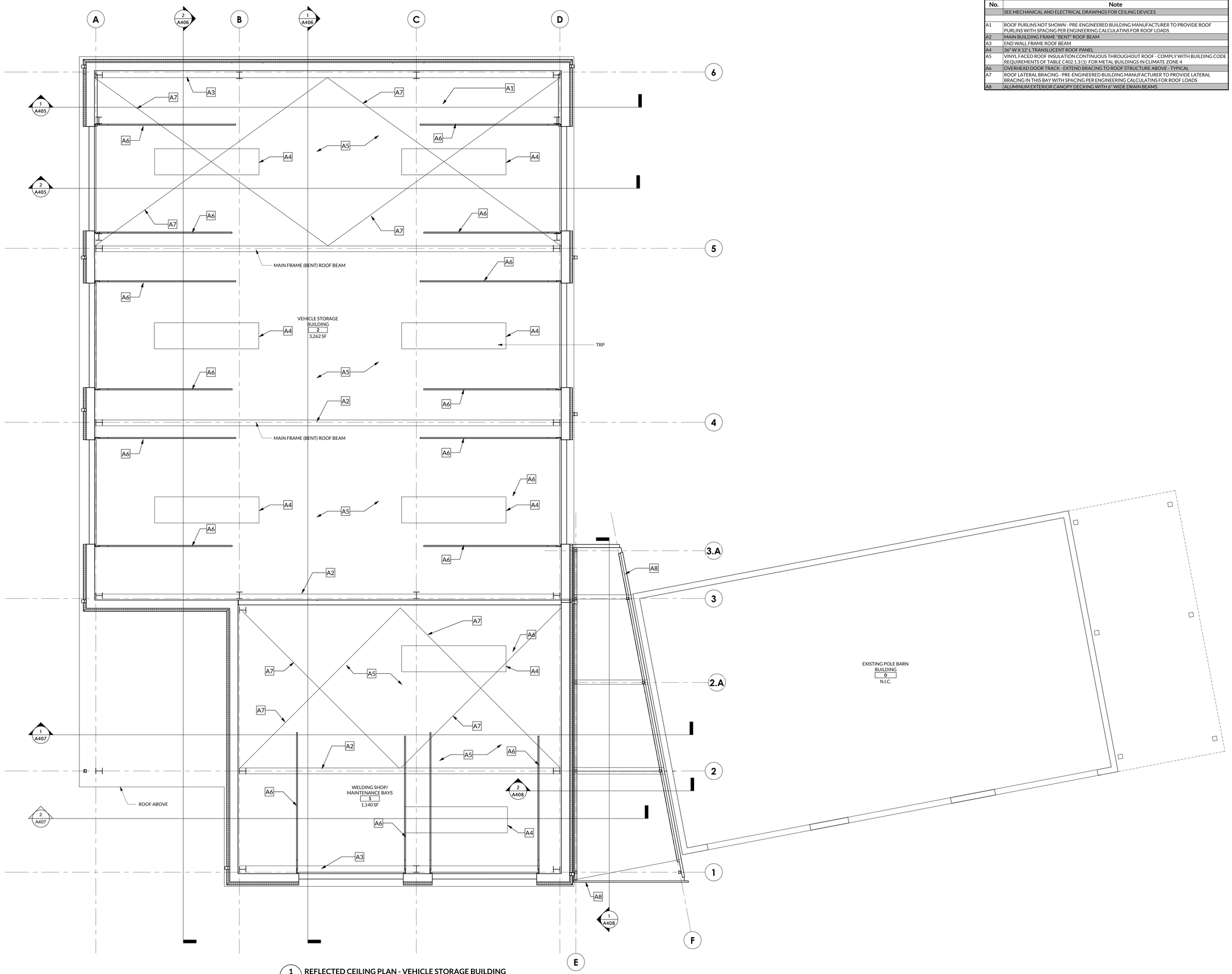
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PROJECT#	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

RCP RENOVATION PLAN - MAIN LEVEL

A205



1 A206 **REFLECTED CEILING PLAN - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"

KEYED REFLECTED CEILING PLAN NOTES

No.	Note
	SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR CEILING DEVICES
A1	ROOF PURLINS NOT SHOWN - PRE-ENGINEERED BUILDING MANUFACTURER TO PROVIDE ROOF PURLINS WITH SPACING PER ENGINEERING CALCULATINS FOR ROOF LOADS
A2	MAIN BUILDING FRAME "BENT" ROOF BEAM
A3	END WALL FRAME ROOF BEAM
A4	36" W X 12' L TRANSLUCENT ROOF PANEL
A5	VINYL FACED ROOF INSULATION CONTINUOUS THROUGHOUT ROOF - COMPLY WITH BUILDING CODE REQUIREMENTS OF TABLE C402.1.3 (1) FOR METAL BUILDINGS IN CLIMATE ZONE 4
A6	OVERHEAD DOOR TRACK - EXTEND BRACING TO ROOF STRUCTURE ABOVE - TYPICAL
A7	ROOF LATERAL BRACING - PRE-ENGINEERED BUILDING MANUFACTURER TO PROVIDE LATERAL BRACING IN THIS BAY WITH SPACING PER ENGINEERING CALCULATINS FOR ROOF LOADS
A8	ALUMINUM EXTERIOR CANOPY DECKING WITH 6" WIDE DRAIN BEAMS

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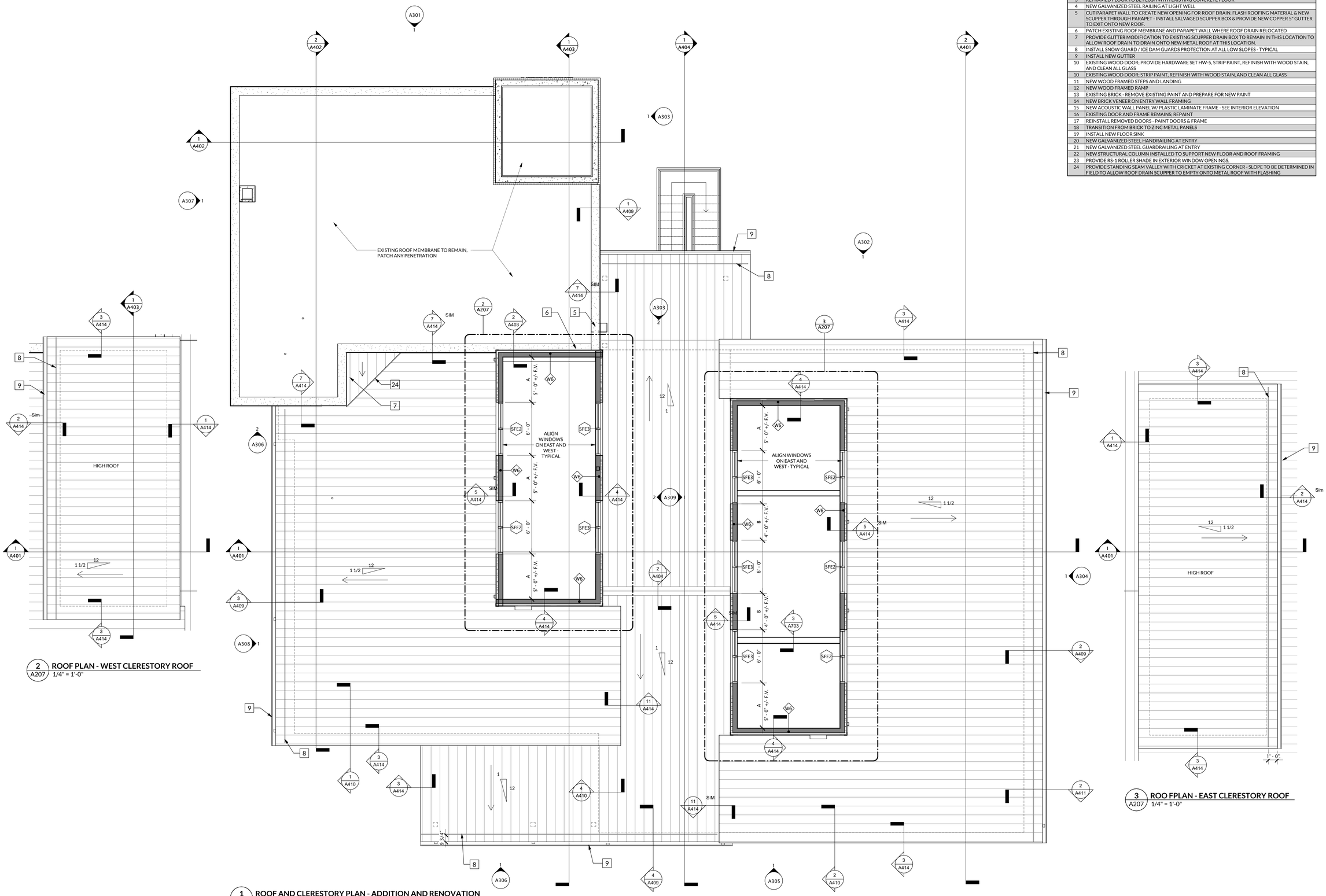
SHEET NAME:

REFLECTED CEILING PLAN - VEHICLE STORAGE BUILDING

A206

KEYED RENOVATION NOTES

No.	Note
1	GC TO OVERFRAME THIS PORTION OF EXISTING ROOF
2	FRAME FLOOR TO MATCH LEVEL OF EXISTING AT DOOR OPENING
3	REFRAMED FLOOR TO BE FLUSH WITH EXISTING CONCRETE FLOOR
4	NEW GALVANIZED STEEL RAILING AT LIGHT WELL
5	CUT PARAPET WALL TO CREATE NEW OPENING FOR ROOF DRAIN. FLASH ROOFING MATERIAL & NEW SCUPPER THROUGH PARAPET - INSTALL SALVAGED SCUPPER BOX & PROVIDE NEW COPPER 5" GUTTER TO EXIT ONTO NEW ROOF.
6	PATCH EXISTING ROOF MEMBRANE AND PARAPET WALL WHERE ROOF DRAIN RELOCATED
7	PROVIDE GUTTER MODIFICATION TO EXISTING SCUPPER DRAIN BOX TO REMAIN IN THIS LOCATION TO ALLOW ROOF DRAIN TO DRAIN ONTO NEW METAL ROOF AT THIS LOCATION.
8	INSTALL SNOW GUARD / ICE DAM GUARDS PROTECTION AT ALL LOW SLOPES - TYPICAL
9	INSTALL NEW GUTTER
10	EXISTING WOOD DOOR; PROVIDE HARDWARE SET HW-5, STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
10	EXISTING WOOD DOOR; STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
11	NEW WOOD FRAMED STEPS AND LANDING
12	NEW WOOD FRAMED RAMP
13	EXISTING BRICK - REMOVE EXISTING PAINT AND PREPARE FOR NEW PAINT
14	NEW BRICK VENEER ON ENTRY WALL FRAMING
15	NEW ACOUSTIC WALL PANEL W/ PLASTIC LAMINATE FRAME - SEE INTERIOR ELEVATION
16	EXISTING DOOR AND FRAME REMAINS; REPAINT
17	REINSTALL REMOVED DOORS - PAINT DOORS & FRAME
18	TRANSITION FROM BRICK TO ZINC METAL PANELS
19	INSTALL NEW FLOOR SINK
20	NEW GALVANIZED STEEL HANDRAILING AT ENTRY
21	NEW GALVANIZED STEEL GUARDRAILING AT ENTRY
22	NEW STRUCTURAL COLUMN INSTALLED TO SUPPORT NEW FLOOR AND ROOF FRAMING
23	PROVIDE RS-1 ROLLER SHADE IN EXTERIOR WINDOW OPENINGS.
24	PROVIDE STANDING SEAM VALLEY WITH CRICKET AT EXISTING CORNER - SLOPE TO BE DETERMINED IN FIELD TO ALLOW ROOF DRAIN SCUPPER TO EMPTY ONTO METAL ROOF WITH FLASHING



2 A207 **ROOF PLAN - WEST CLERESTORY ROOF**
1/4" = 1'-0"

1 A207 **ROOF AND CLERESTORY PLAN - ADDITION AND RENOVATION**
1/4" = 1'-0"

3 A207 **ROO FPLAN - EAST CLERESTORY ROOF**
1/4" = 1'-0"

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DAVID BLAKE DANIEL ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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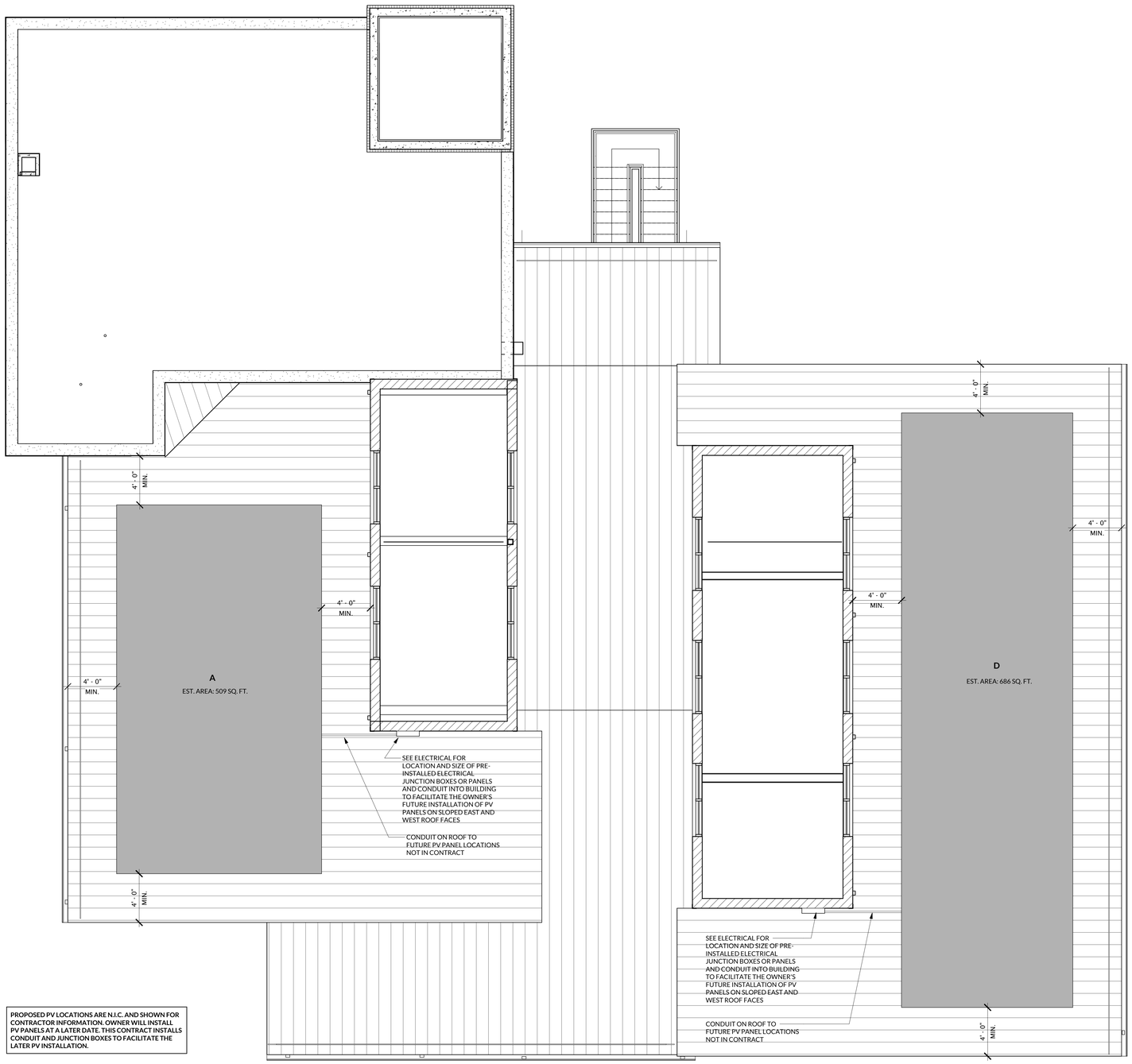
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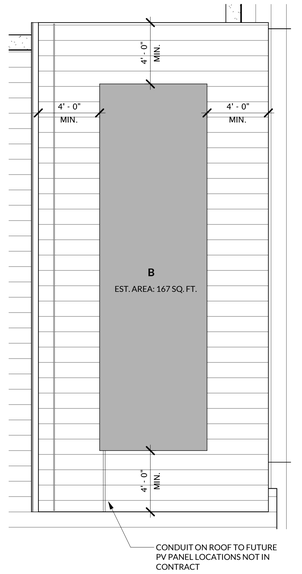
RENOVATION ROOF & CLERESTORY PLAN

A207

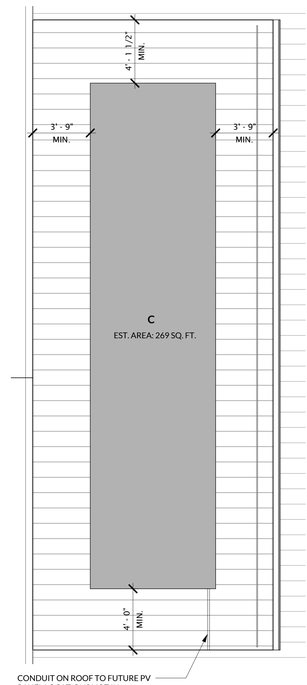


PROPOSED PV LOCATIONS ARE N.I.C. AND SHOWN FOR CONTRACTOR INFORMATION. OWNER WILL INSTALL PV PANELS AT A LATER DATE. THIS CONTRACT INSTALLS CONDUIT AND JUNCTION BOXES TO FACILITATE THE LATER PV INSTALLATION.

1 / A208 **RENOVATION PLAN - PROPOSED FUTURE OWNER FURNISHED & INSTALLED PV PANELS**
1/4" = 1'-0"



2 / A208 **ROOF PLAN - WEST CLERESTORY - PV PANELS**
1/4" = 1'-0"



3 / A208 **ROOF PLAN - EAST CLERESTORY - PV PANELS**
1/4" = 1'-0"

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

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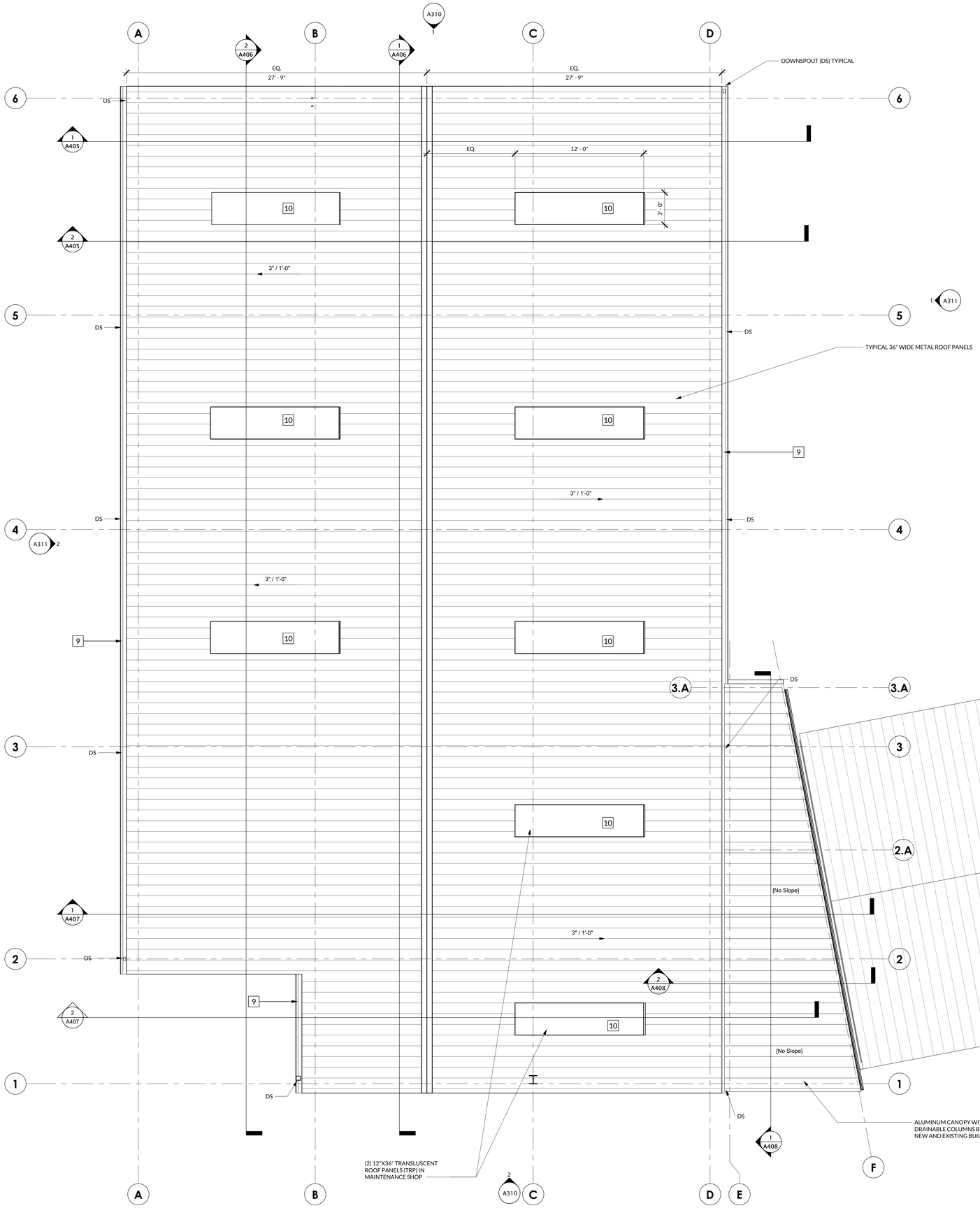
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SHEET NAME:

ROOF PLAN - PROPOSED PV LOCATIONS

A208



1 A209 **ROOF PLAN - VEHICLE STORAGE BUILDING - ALTERNATE NO. 1**
1/4" = 1'-0"

KEYED RENOVATION NOTES

No.	Note
1	GC TO OVERFRAME THIS PORTION OF EXISTING ROOF
2	FRAME FLOOR TO MATCH LEVEL OF EXISTING AT DOOR OPENING
3	REFRAMED FLOOR TO BE FLUSH WITH EXISTING CONCRETE FLOOR
4	REPLACE EXISTING RAILINGS
5	CUT PARAPET WALL TO CREATE NEW OPENING FOR ROOF DRAIN. FLASH ROOFING MATERIAL & NEW SCUPPER THROUGH PARAPET - INSTALL SALVAGED SCUPPER BOX & PROVIDE NEW COPPER 5" GUTTER TO EXIT ONTO NEW ROOF.
6	PATCH EXISTING ROOF MEMBRANE AND PARAPET WALL WHERE ROOF DRAIN RELOCATED
7	PROVIDE GUTTER MODIFICATION TO EXISTING SCUPPER DRAIN BOX TO REMAIN IN THIS LOCATION TO ALLOW ROOF DRAIN TO DRAIN ONTO NEW METAL ROOF AT THIS LOCATION.
8	INSTALL ICE DAM GUARDS PROTECTION AT ALL LOW SLOPES - TYPICAL
9	BOX STYLE GUTTER ON LOW END OF SLOPED ROOF - TYPICAL
10	12' LONG BY 36" W TRANSLUSCENT ROOF PANELS (TRP) CENTERED BETWEEN RIDGE AND EAVE. 8 TOTAL ALIGNED WITH OVERHEAD DOORS. WHERE PANELS OCCUR WITHUOT DOORS, SPACE EVENLY N ROOF TO CONTINUE SPACING AT DOORS - TYPICAL

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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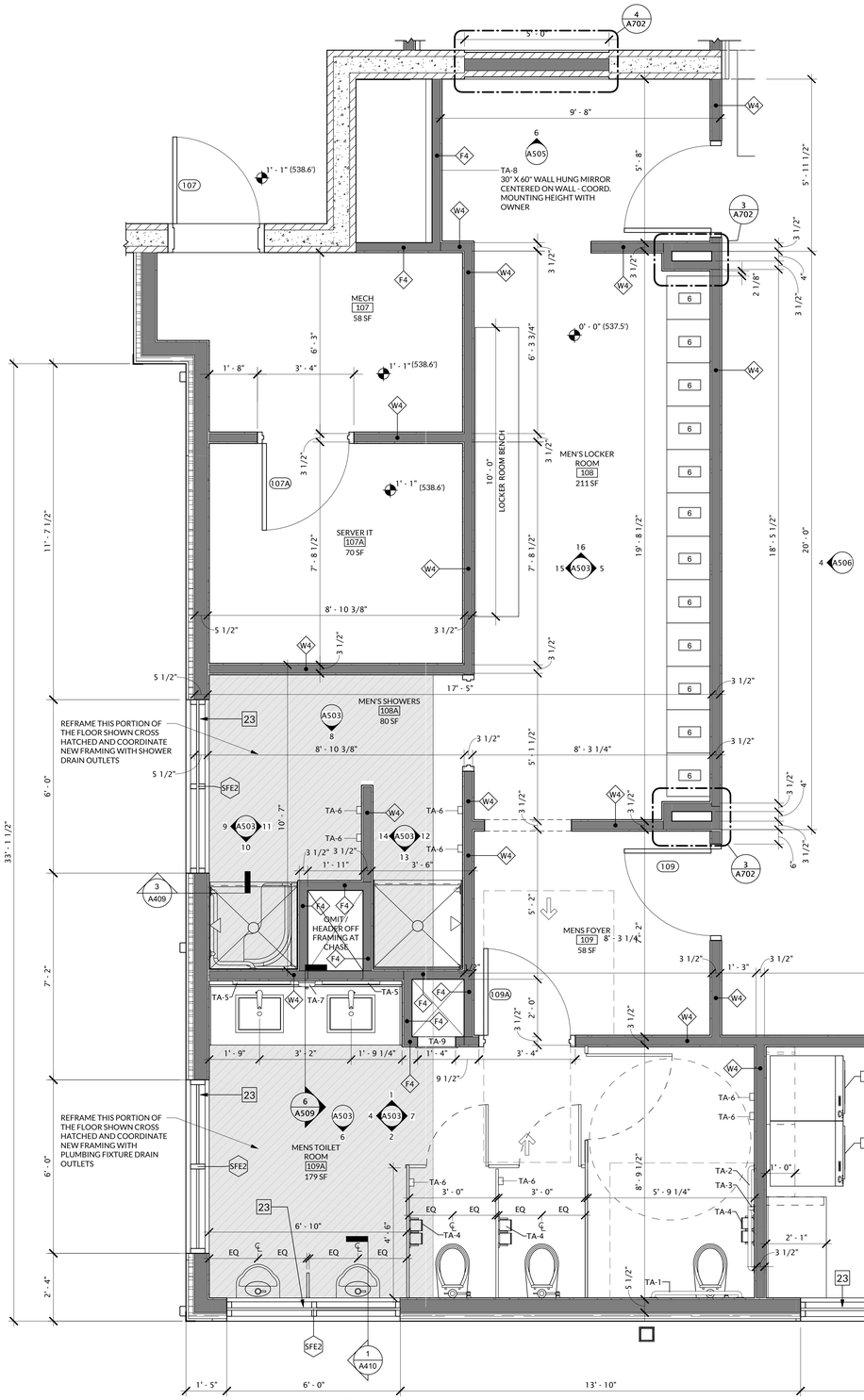
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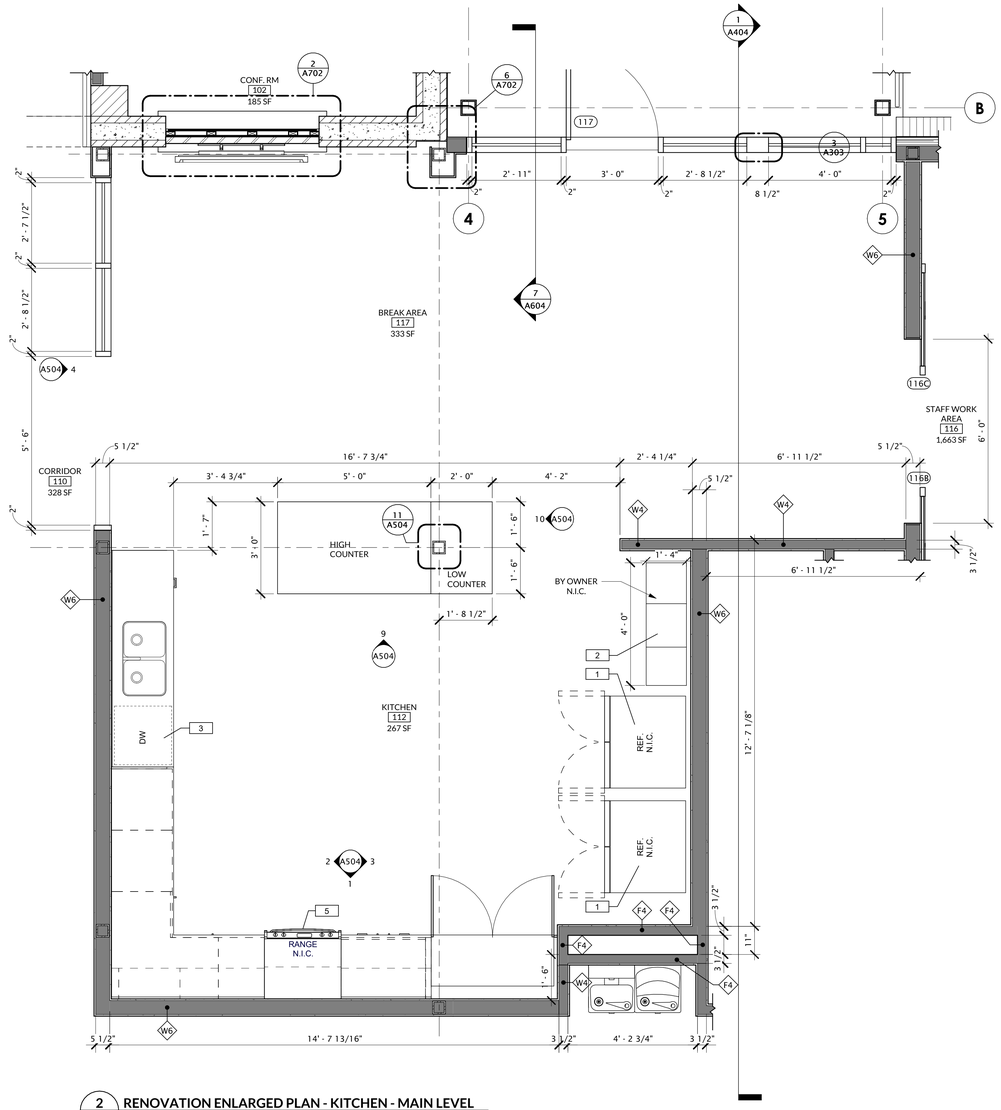
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ROOF PLAN - VEHICLE STORAGE BUILDING

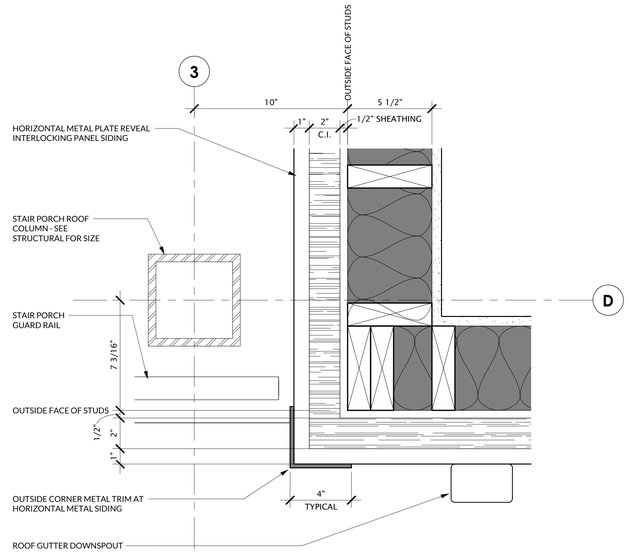
A209



1 A210 **RENOVATION ENLARGED PLAN - MEN'S LOCKERS & SHOWERS - MAIN LEVEL**
1/2" = 1'-0"



2 A210 **RENOVATION ENLARGED PLAN - KITCHEN - MAIN LEVEL**
1/2" = 1'-0"



3 A210 **ENLARGED PLAN DETAIL - SOUTH EXTERIOR STAIR - MAIN LEVEL**
3" = 1'-0"

EQUIPMENT SCHEDULE

Type Mark	NAME	CFCI	OFCI	OFOI
1	KITCHEN REFRIGERATOR			✓
2	TRASH & RECYCLING STATION		✓	
3	KITCHEN DISHWASHER		✓	
4	KITCHEN PREP TABLE			✓
5	KITCHEN RANGE		✓	
6	LOCKERS	✓		
7	DRAWING FLATFILE STORAGE DRAWERS			✓
8	LAUNDRY WASHING MACHINE			✓
9	LAUNDRY DRYER			✓

TOILET, BATH & LAUNDRY ACCESSORY SCHEDULE

Code	Item	Remarks
TA-1	Accessible Wall Mounted Grab Bar 36"	Provide blocking in wall.
TA-2	Accessible Wall Mounted Grab Bar 42"	Provide blocking in wall.
TA-3	Accessible Wall Mounted Vertical Grab Bar 18"	Provide blocking in wall.
TA-4	Toilet Tissue Dispenser	Provided by Owner - Installed by Contractor
TA-5	Framed mirror 24" x 36" rounded corners	
TA-7	Wall Mounted Liquid / Foam Soap Dispenser	Provided by Owner - Installed By Contractor
TA-8	Surface Mounted Paper Towel Dispenser - Tri-Fold Type Towels	
TA-9	Semi-Recessed Combination Paper Towel Roll Dispenser Waste Receptacle - Auto Dispensing Battery Operated	

NOTE: NOT ALL TOILET , BATH AND LAUNDRY ACCESSORIES SHOWN IN THIS SCHEDULE SEE SPECIFICATION SECTION 102800 FOR FULL LIST OF ACCESSORIES - TYPICAL

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

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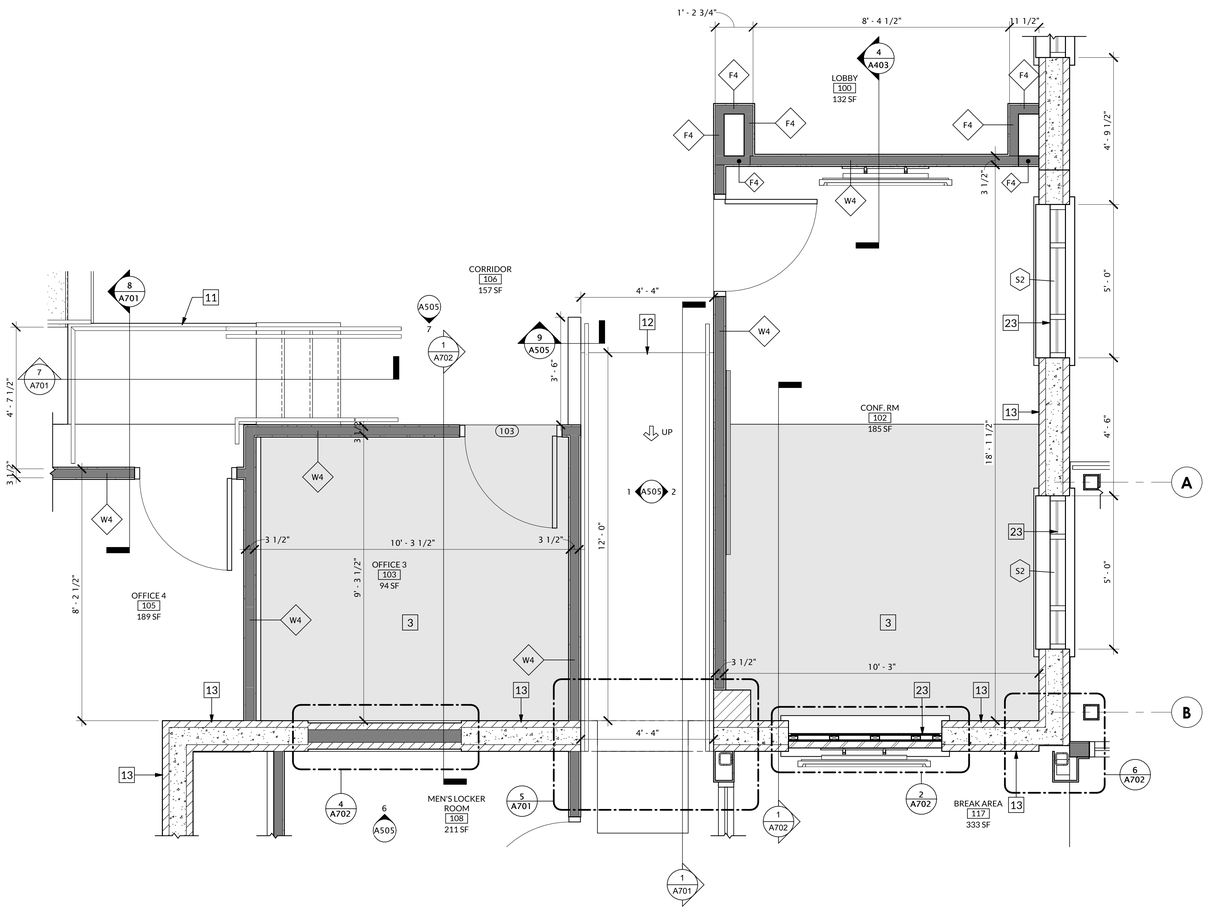
SHEET NAME:

ENLARGED PLANS - ADDITION & RENO

A210

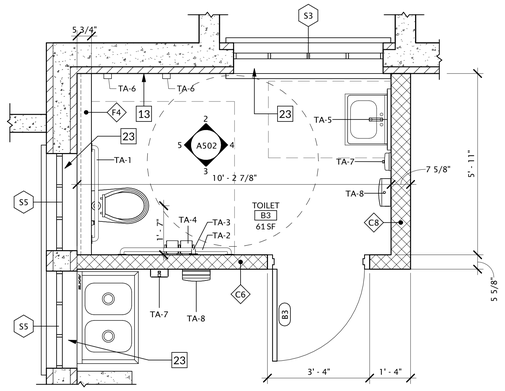
KEYED RENOVATION NOTES

No.	Note
1	GC TO OVERFRAME THIS PORTION OF EXISTING ROOF
2	FRAME FLOOR TO MATCH LEVEL OF EXISTING AT DOOR OPENING
3	REFRAMED FLOOR TO BE FLUSH WITH EXISTING CONCRETE FLOOR
4	NEW GALVANIZED STEEL RAILING AT LIGHT WELL
5	CUT PARAPET WALL TO CREATE NEW OPENING FOR ROOF DRAIN. FLASH ROOFING MATERIAL & NEW SCUPPER THROUGH PARAPET - INSTALL SALVAGED SCUPPER BOX & PROVIDE NEW COPPER 5" GUTTER TO EXIT ONTO NEW ROOF.
6	PATCH EXISTING ROOF MEMBRANE AND PARAPET WALL WHERE ROOF DRAIN RELOCATED
7	PROVIDE GUTTER MODIFICATION TO EXISTING SCUPPER DRAIN BOX TO REMAIN IN THIS LOCATION TO ALLOW ROOF DRAIN TO DRAIN ONTO NEW METAL ROOF AT THIS LOCATION.
8	INSTALL SNOW GUARD / ICE DAM GUARDS PROTECTION AT ALL LOW SLOPES - TYPICAL
9	INSTALL NEW GUTTER
10	EXISTING WOOD DOOR; PROVIDE HARDWARE SET HW-5, STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
10	EXISTING WOOD DOOR; STRIP PAINT, REFINISH WITH WOOD STAIN, AND CLEAN ALL GLASS
11	NEW WOOD FRAMED STEPS AND LANDING
12	NEW WOOD FRAMED RAMP
13	EXISTING BRICK - REMOVE EXISTING PAINT AND PREPARE FOR NEW PAINT
14	NEW BRICK VENEER ON ENTRY WALL FRAMING
15	NEW ACOUSTIC WALL PANEL W/ PLASTIC LAMINATE FRAME - SEE INTERIOR ELEVATION
16	EXISTING DOOR AND FRAME REMAINS; REPAINT
17	REINSTALL REMOVED DOORS - PAINT DOORS & FRAME
18	TRANSITION FROM BRICK TO ZINC METAL PANELS
19	INSTALL NEW FLOOR SINK
20	NEW GALVANIZED STEEL HANDRAILING AT ENTRY
21	NEW GALVANIZED STEEL GUARDRAILING AT ENTRY
22	NEW STRUCTURAL COLUMN INSTALLED TO SUPPORT NEW FLOOR AND ROOF FRAMING
23	PROVIDE R5-1 ROLLER SHADE IN EXTERIOR WINDOW OPENINGS.
24	PROVIDE STANDING SEAM VALLEY WITH CRICKET AT EXISTING CORNER - SLOPE TO BE DETERMINED IN FIELD TO ALLOW ROOF DRAIN SCUPPER TO EMPTY ONTO METAL ROOF WITH FLASHING

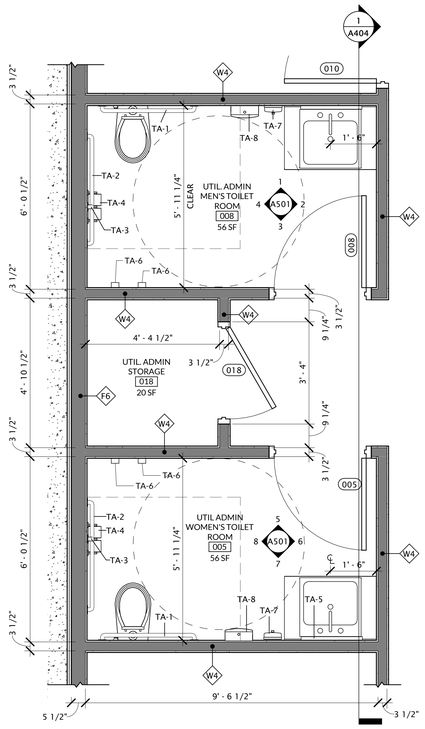


1 A211 **RENOVATION ENLARGED PLAN - NEW RAMP AND STAIR**
1/2" = 1'-0"

5 A211 **RENOVATION ENLARGED PLAN - ADMIN ENTRY**
1/2" = 1'-0"



2 A211 **ENLARGED PLAN - LOWER LEVEL TOILET B3**
1/2" = 1'-0"



3 A211 **RENOVATION ENLARGED PLAN - RESTROOMS - LOWER LEVEL**
1/2" = 1'-0"

4 A211 **RENOVATION ENLARGED PLAN - SINGLE RESTROOM - MAIN LEVEL**
1/2" = 1'-0"

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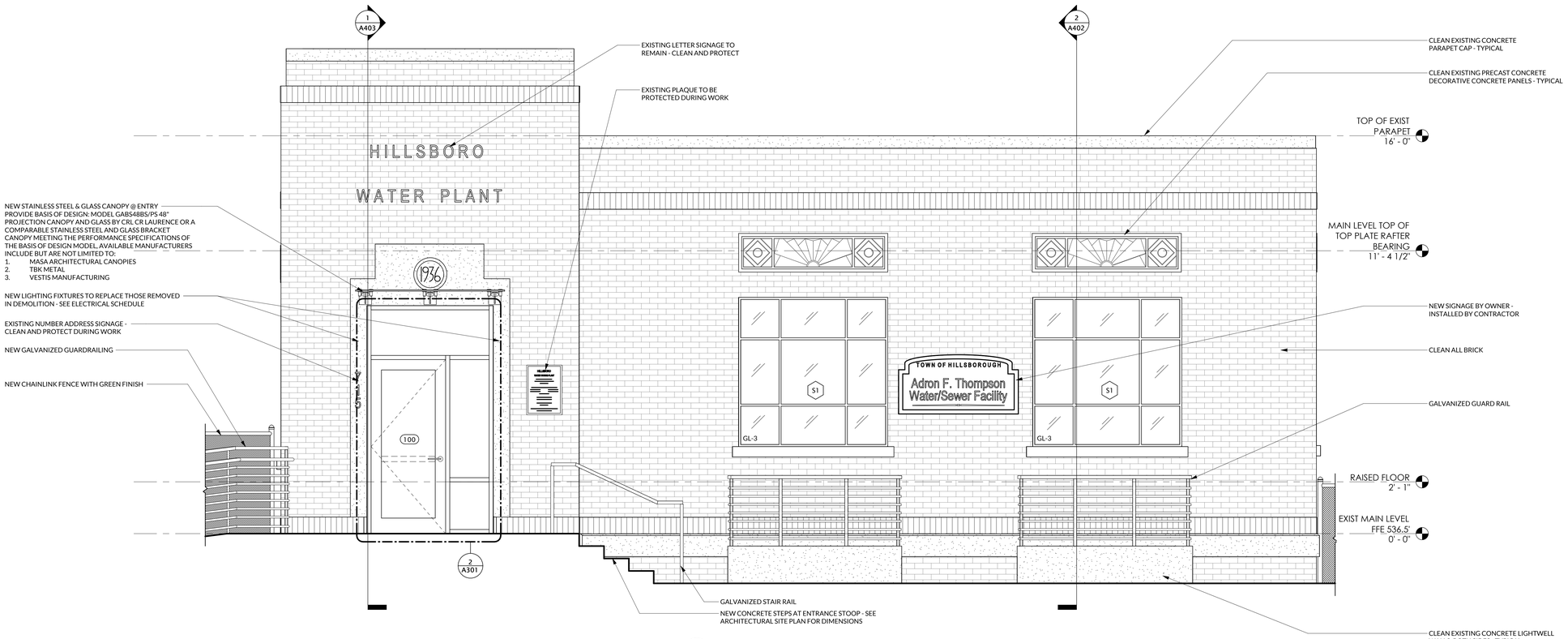
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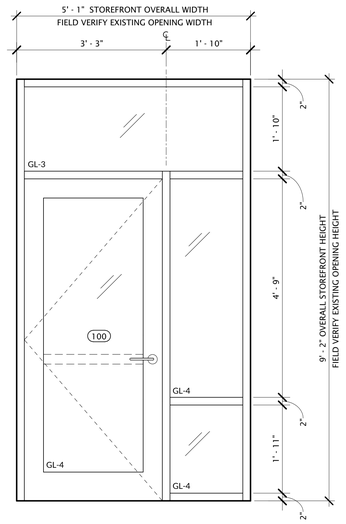
SHEET NAME:

ENLARGED PLANS - ADDITION & RENO

A211



1 / A301 EXTERIOR ELEVATION - NORTH - ORIGINAL BUILDING
1/2" = 1'-0"



2 / A301 ELEVATION - ENTRY STOREFRONT
3/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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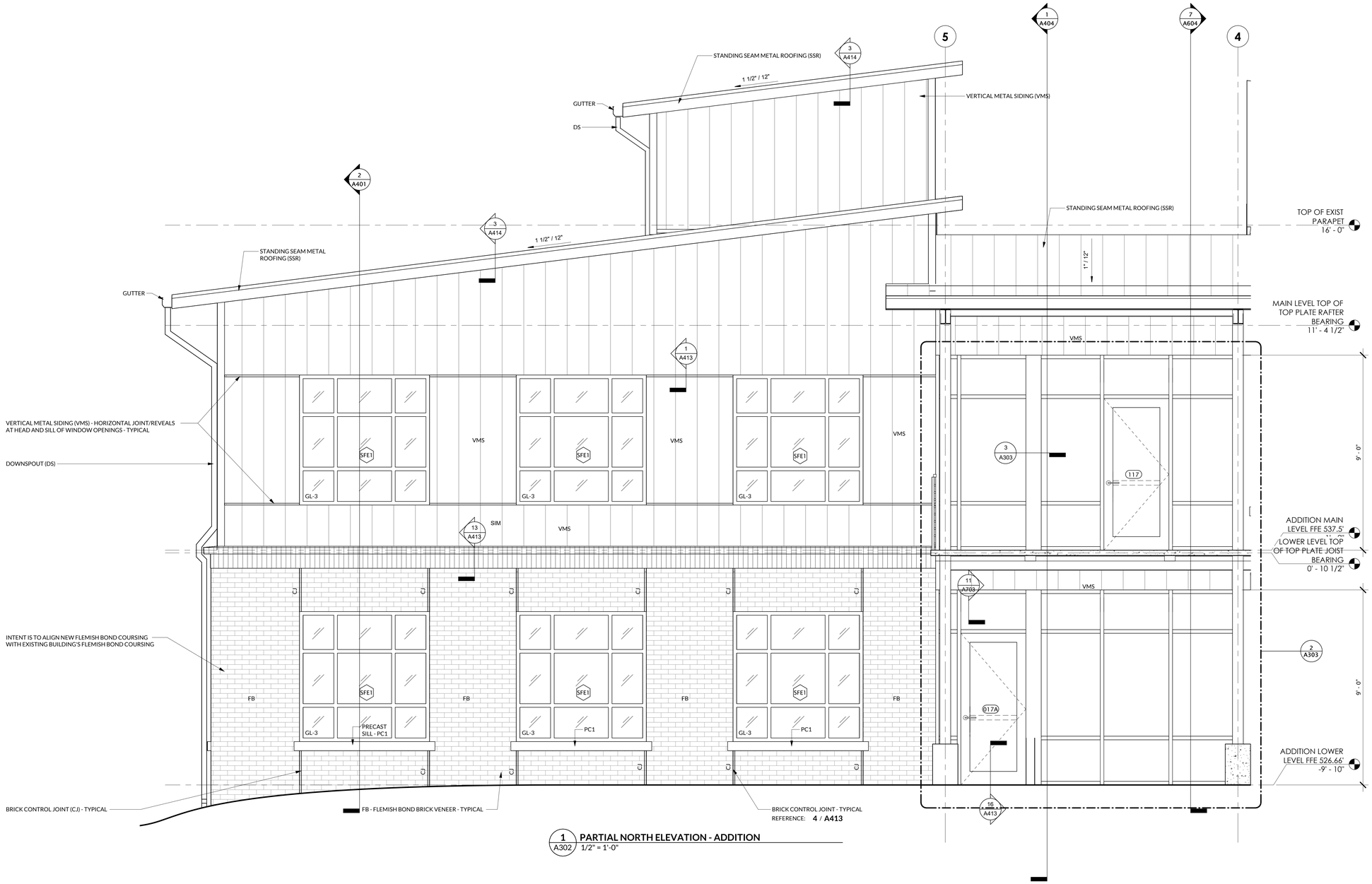
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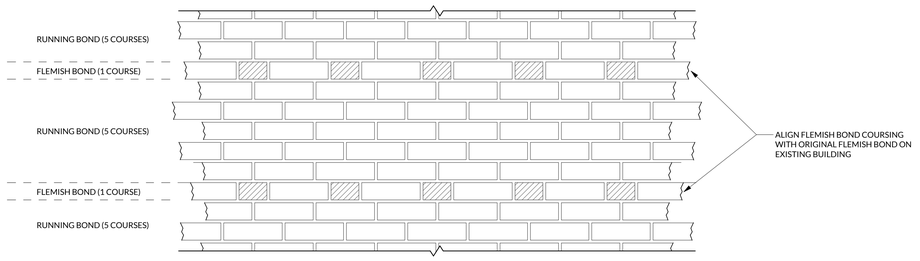
SHEET NAME:

EXTERIOR ELEVATION - NORTH - ORIGINAL BLDG

A301



1 / A302 PARTIAL NORTH ELEVATION - ADDITION
1/2" = 1'-0"



2 / A302 TYPICAL BRICK PATTERN (FB) FLEMISH BOND
NTS

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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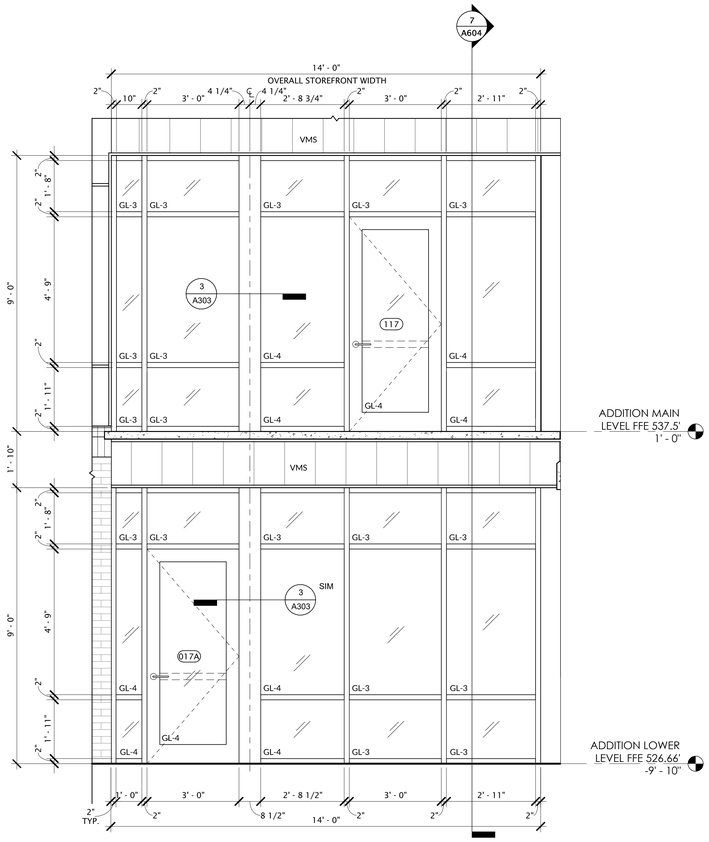
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PROJECT#:	DRAWN:	CHECKED:	DATE:
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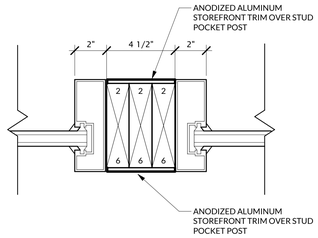
SHEET NAME:

EXTERIOR BUILDING PARTIAL NORTH ELEVATION

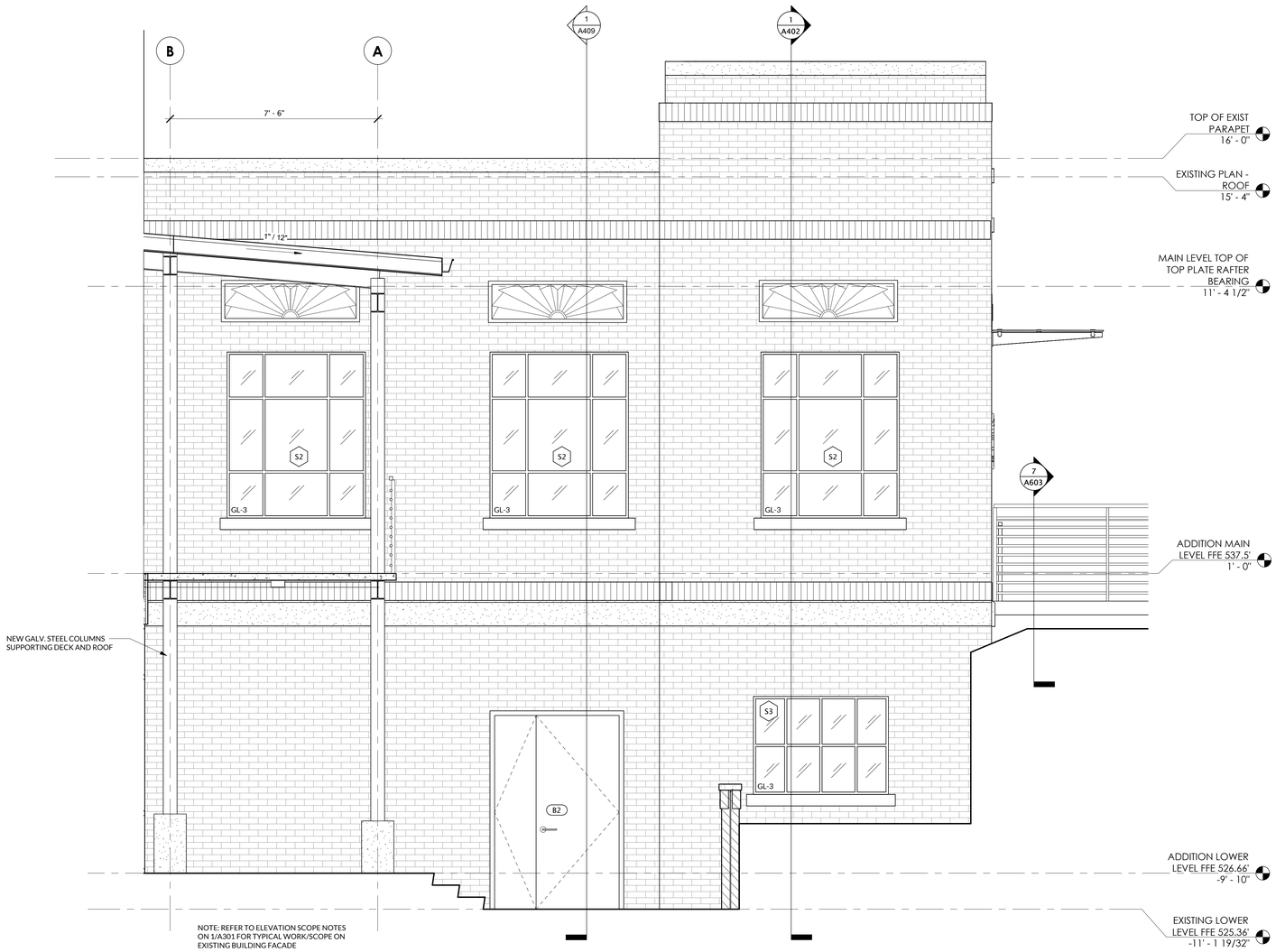
A302



2 A303 **EXTERIOR ELEVATION - STOREFRONT ADDITION NORTH**
1/2" = 1'-0"



3 A303 **PLAN SECTION DETAIL - STOREFRONT POST MULLION**
3" = 1'-0"



1 A303 **EXTERIOR ELEVATION - EAST - ORIGINAL BUILDING**
1/2" = 1'-0"

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REGISTERED ARCHITECT
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NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

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KEY PLAN:

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REVISIONS

No.	Date	Description

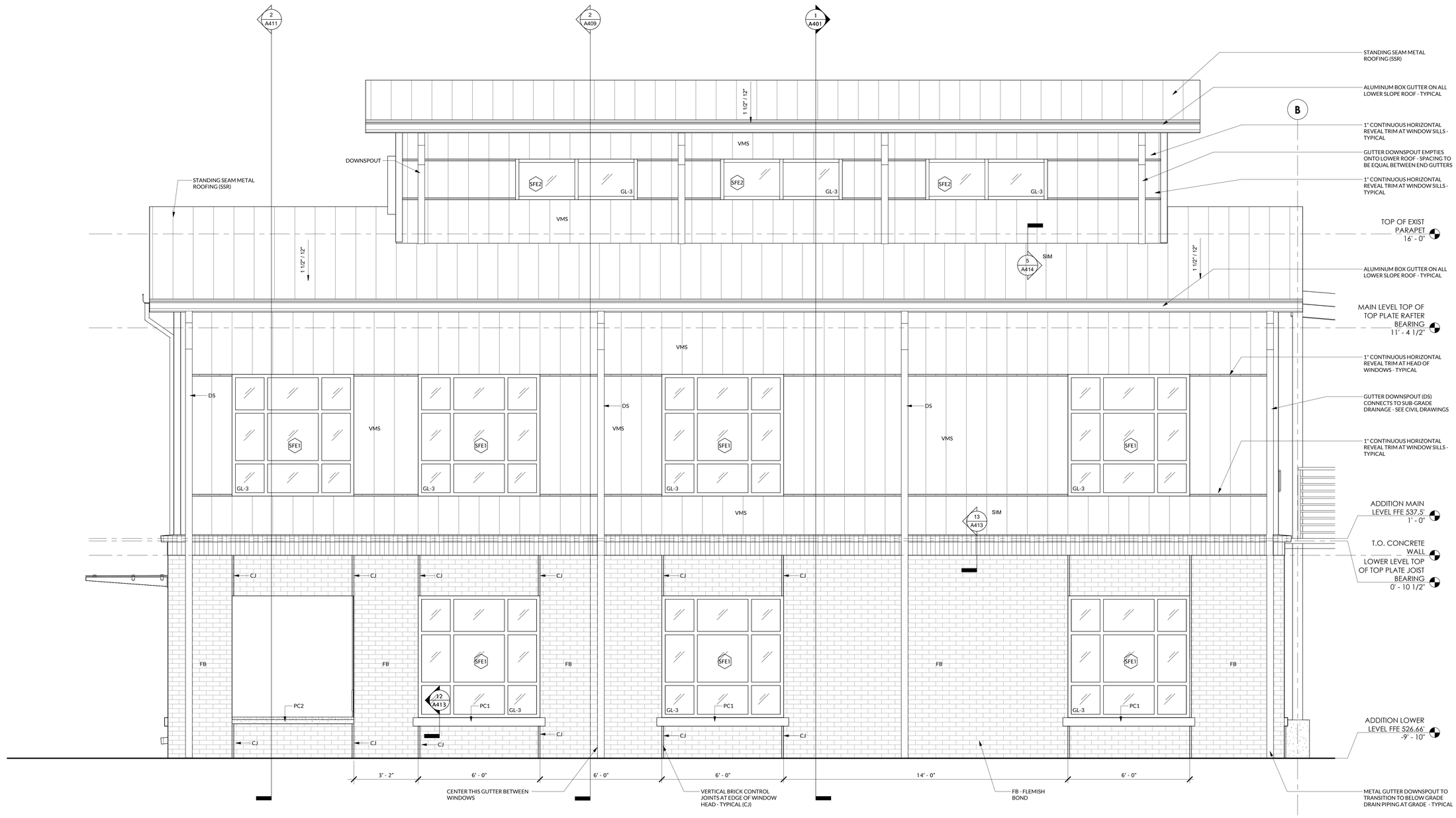
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

EXTERIOR ELEVATION - EAST - ORIGINAL BLDG

A303



1 / A304 EXTERIOR ELEVATION - EAST - ADDITION
1/2" = 1'-0"

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PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation
715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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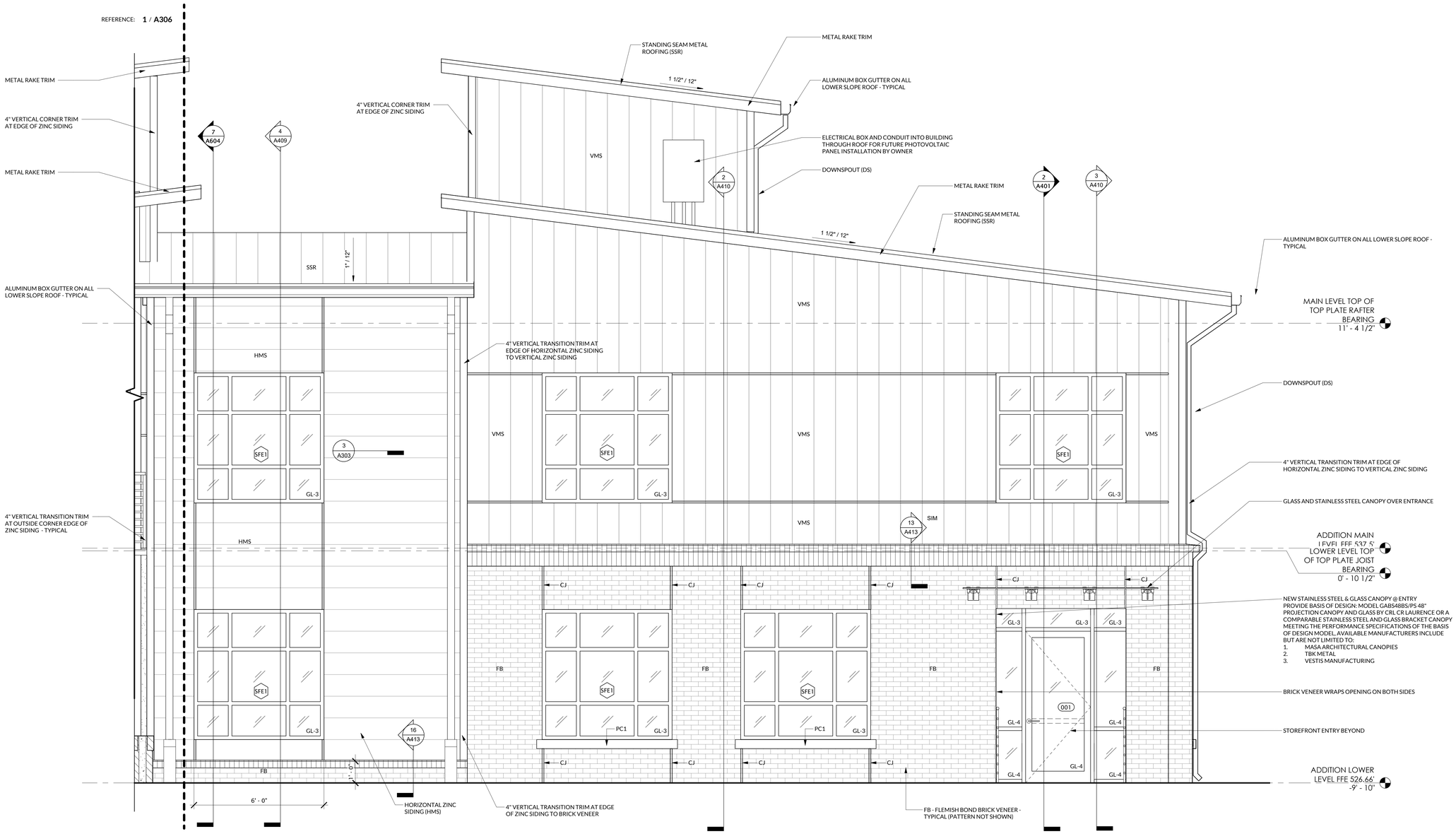
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	EJW	DBD	12.19.2025

SHEET NAME:

EXTERIOR BUILDING EAST ELEVATION

A304



1 / A305 EXTERIOR ELEVATION - SOUTH - ADDITION
1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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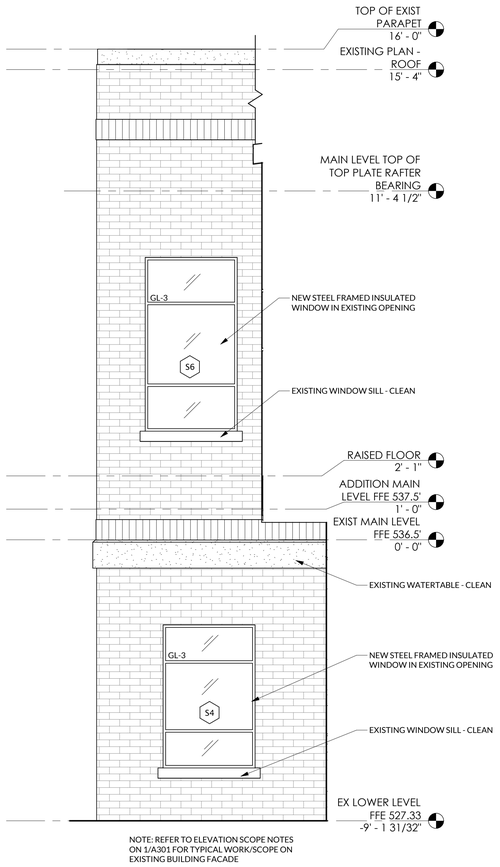
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PROJECT#:	DRAWN:	CHECKED:	DATE:
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SHEET NAME:

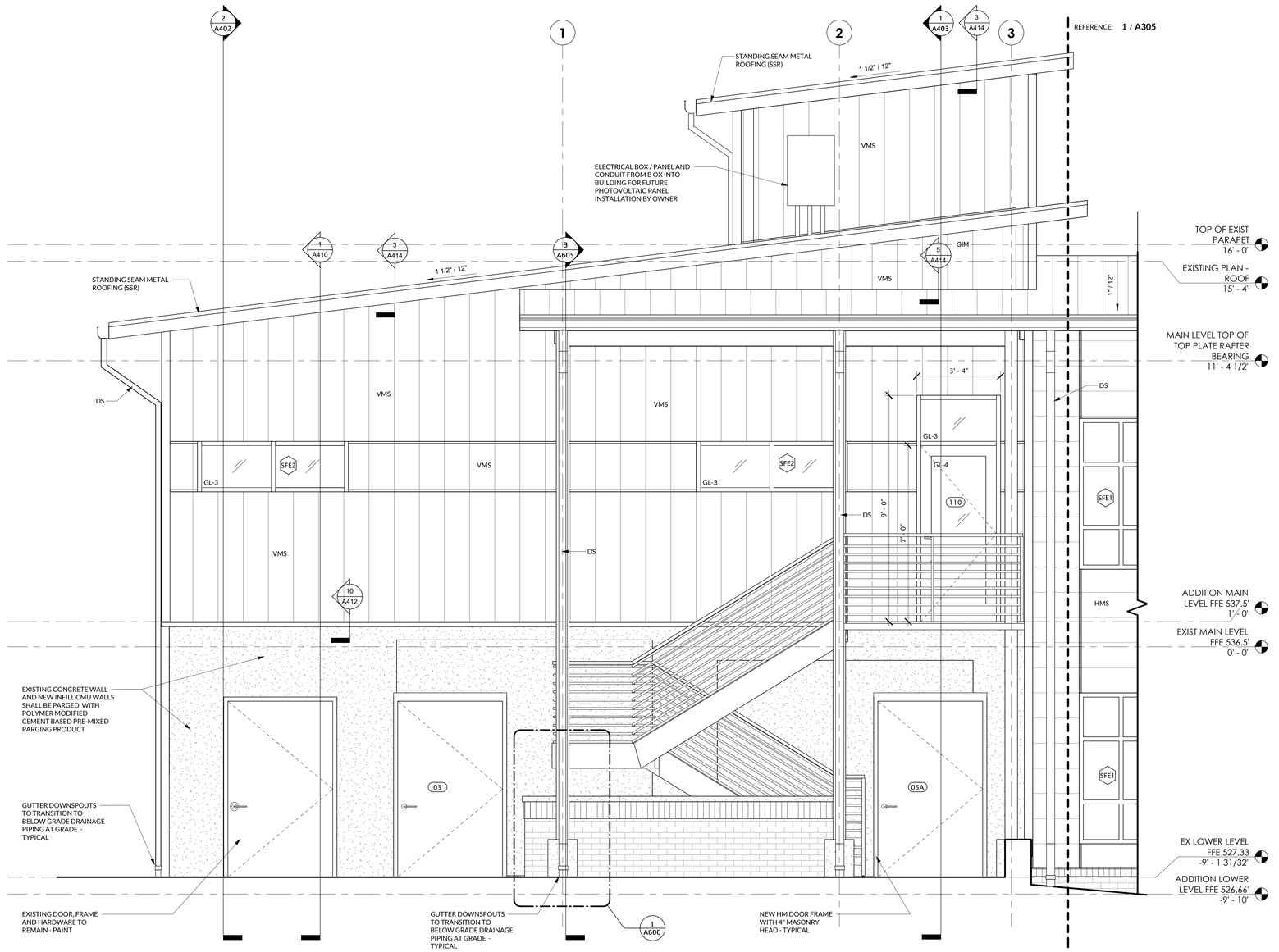
EXTERIOR BUILDING PARTIAL SOUTH ELEVATION

A305



NOTE: REFER TO ELEVATION SCOPE NOTES ON 1/A301 FOR TYPICAL WORK/SCOPE ON EXISTING BUILDING FACADE

2 / A306 EXTERIOR ELEVATION - PARTIAL SOUTH - WEST SIDE
1/2" = 1'-0"



1 / A306 EXTERIOR ELEVATION - PARTIAL SOUTH
1/2" = 1'-0"

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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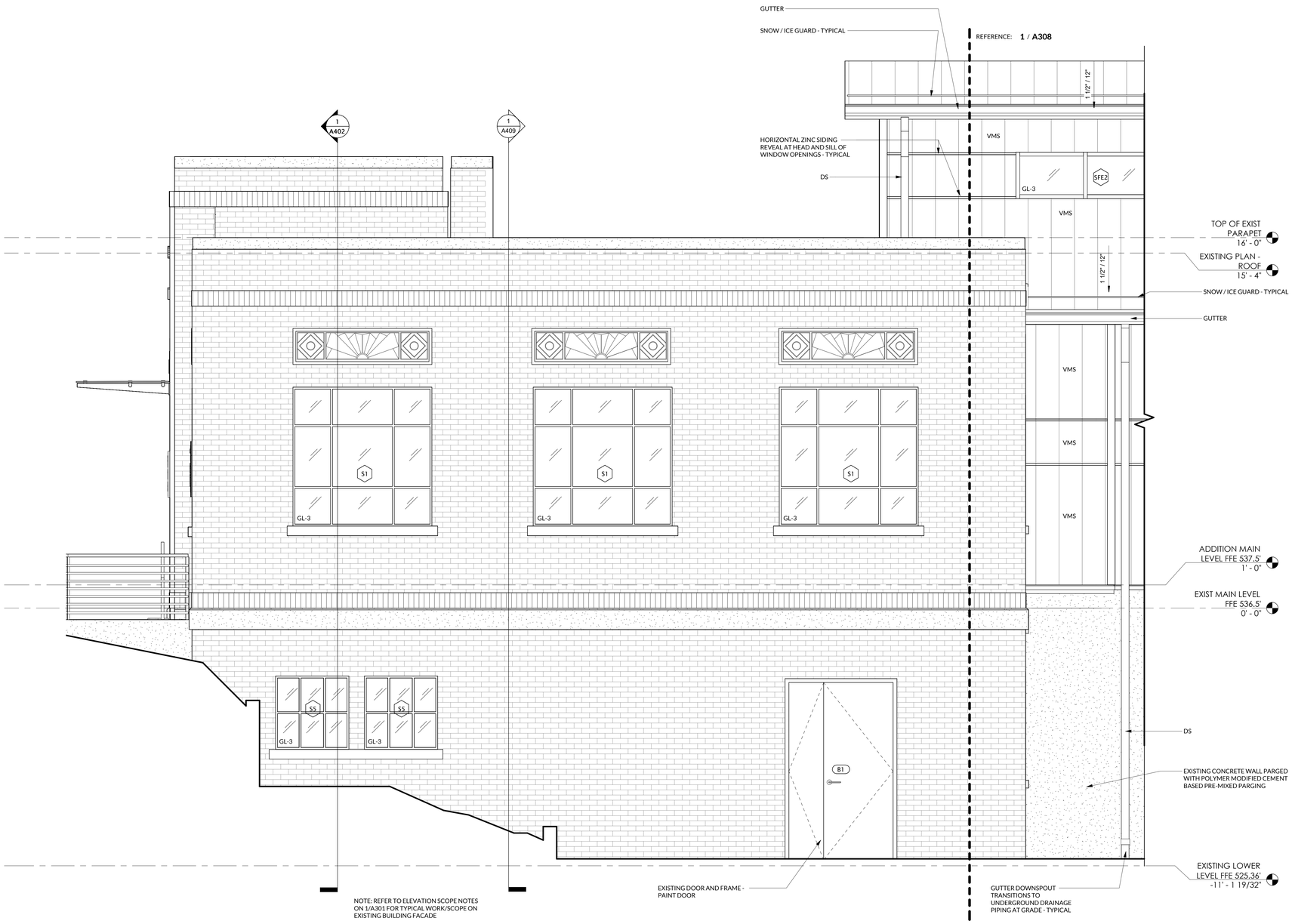
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

EXTERIOR BUILDING PARTIAL SOUTH ELEVATION

A306



1 / A307 EXTERIOR ELEVATION - PARTIAL WEST - ORIGINAL BLDG
1/2" = 1'-0"

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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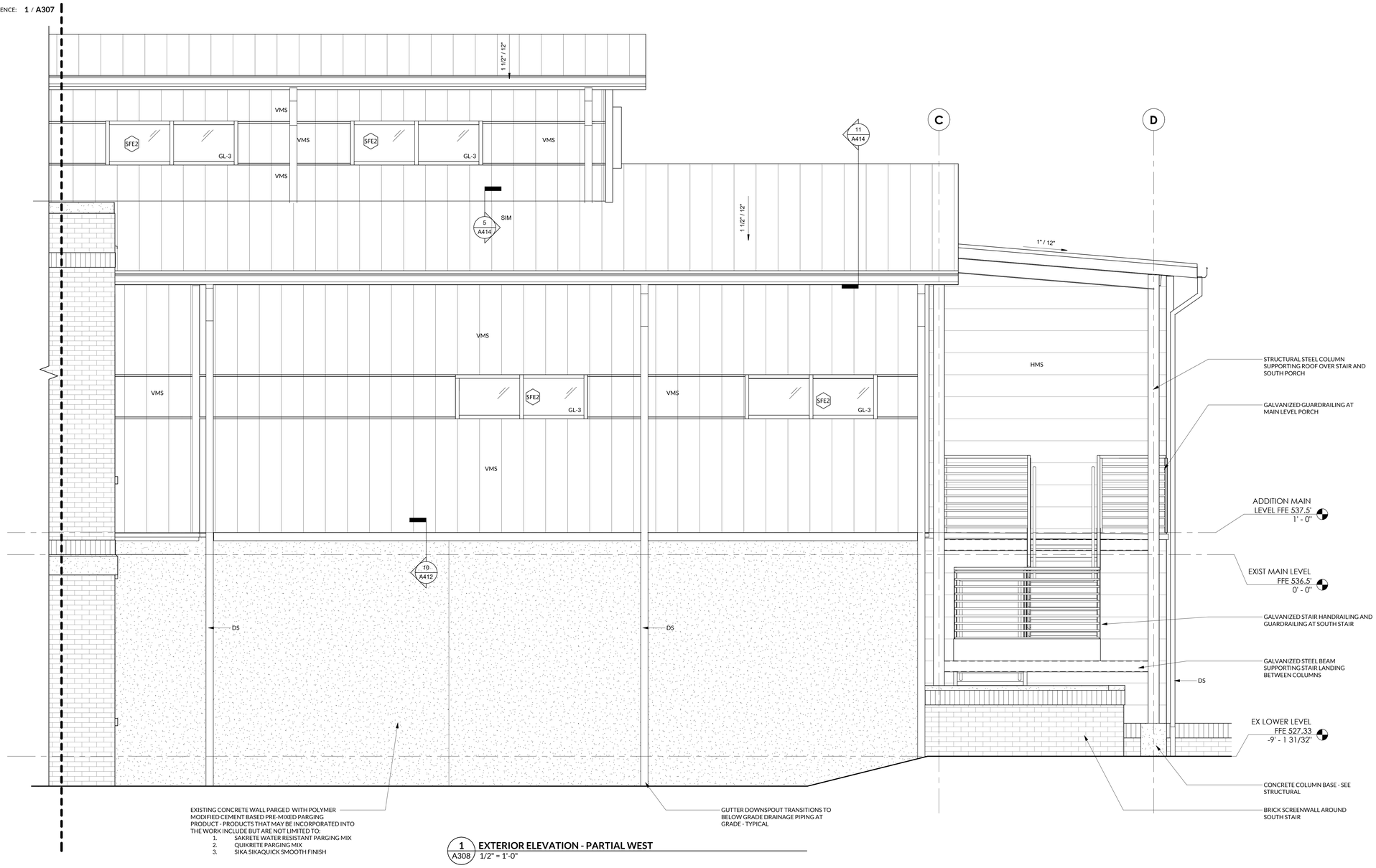
PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

EXTERIOR BUILDING PARTIAL WEST ELEVATION

A307

REFERENCE: 1 / A307



1 / A308 EXTERIOR ELEVATION - PARTIAL WEST
1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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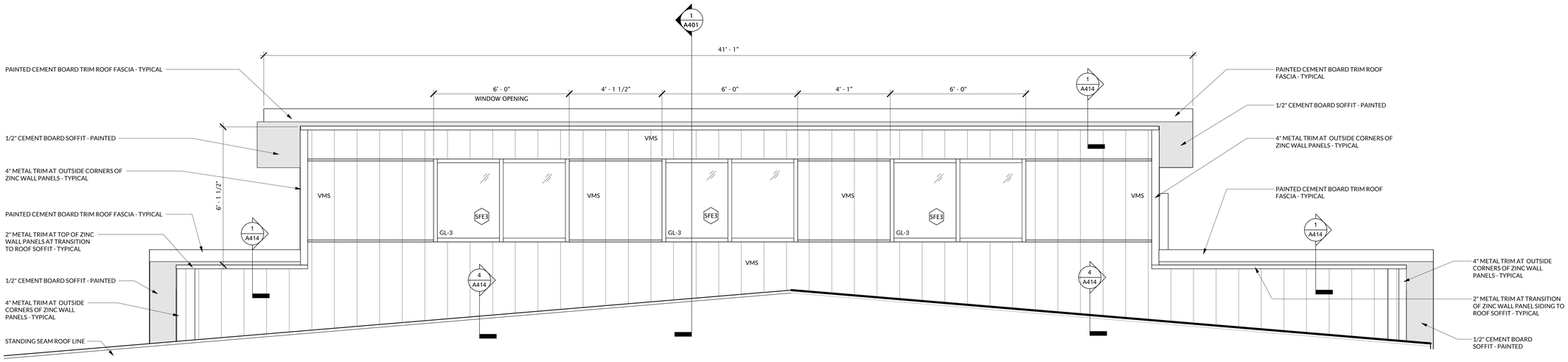
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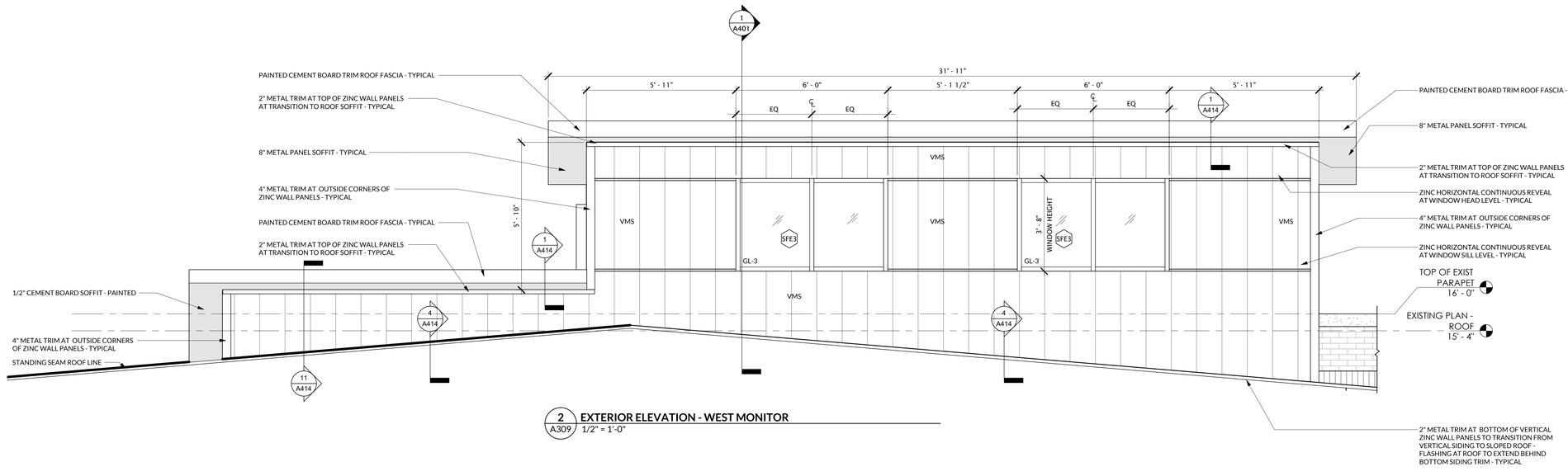
SHEET NAME:

EXTERIOR BUILDING PARTIAL WEST ELEVATION

A308



1 A309 EXTERIOR ELEVATION - EAST MONITOR
1/2" = 1'-0"



2 A309 EXTERIOR ELEVATION - WEST MONITOR
1/2" = 1'-0"

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Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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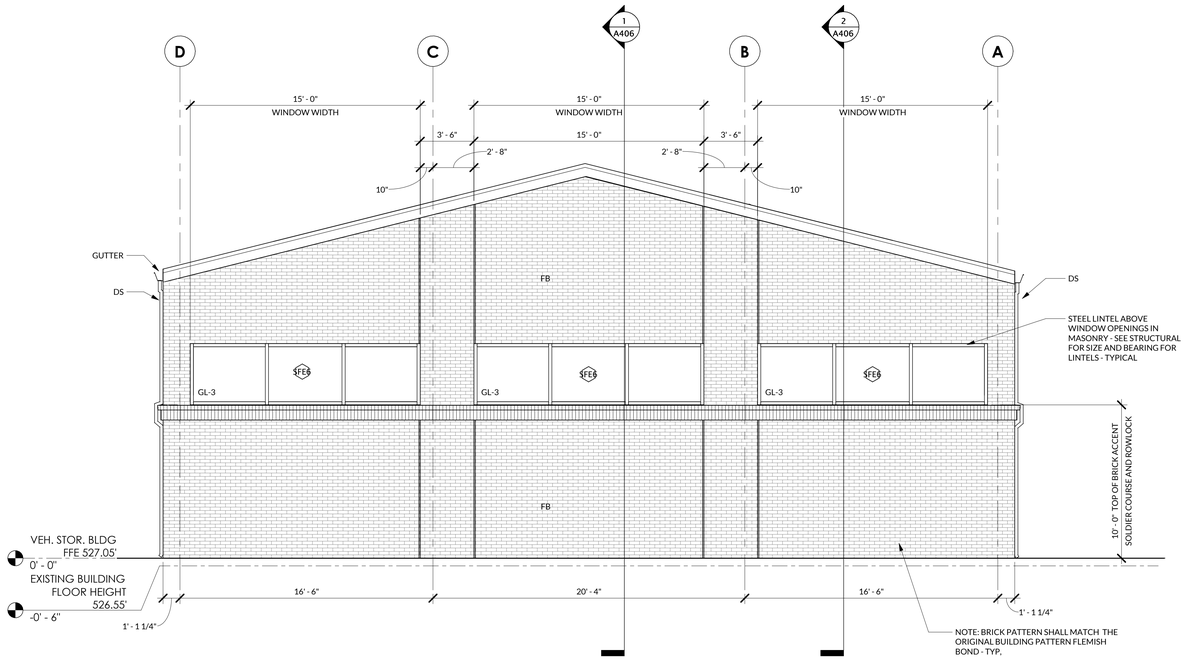
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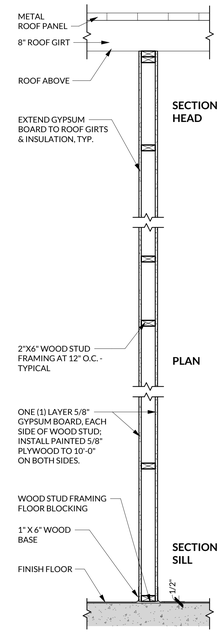
SHEET NAME:

EXTERIOR BUILDING PARTIAL EAST & WEST ELEVATIONS - CLERESTORY

A309



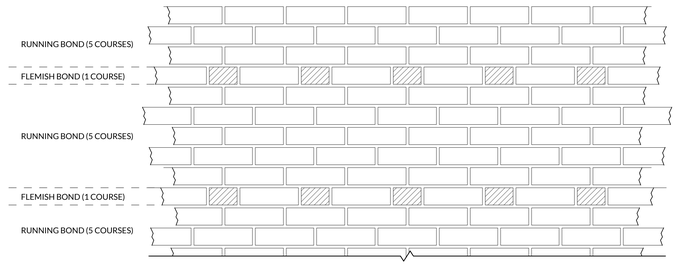
1 A310 **EXTERIOR BUILDING ELEVATION - NORTH**
1/4" = 1'-0"



TYPE A

A3	3 1/8"	STUD SIZE 2 1/2"
A5:	4 7/8"	STUD SIZE 3 5/8"
A7:	7 1/4"	STUD SIZE 6"

3 A310 **WALL TYPE**
3/4" = 1'-0"

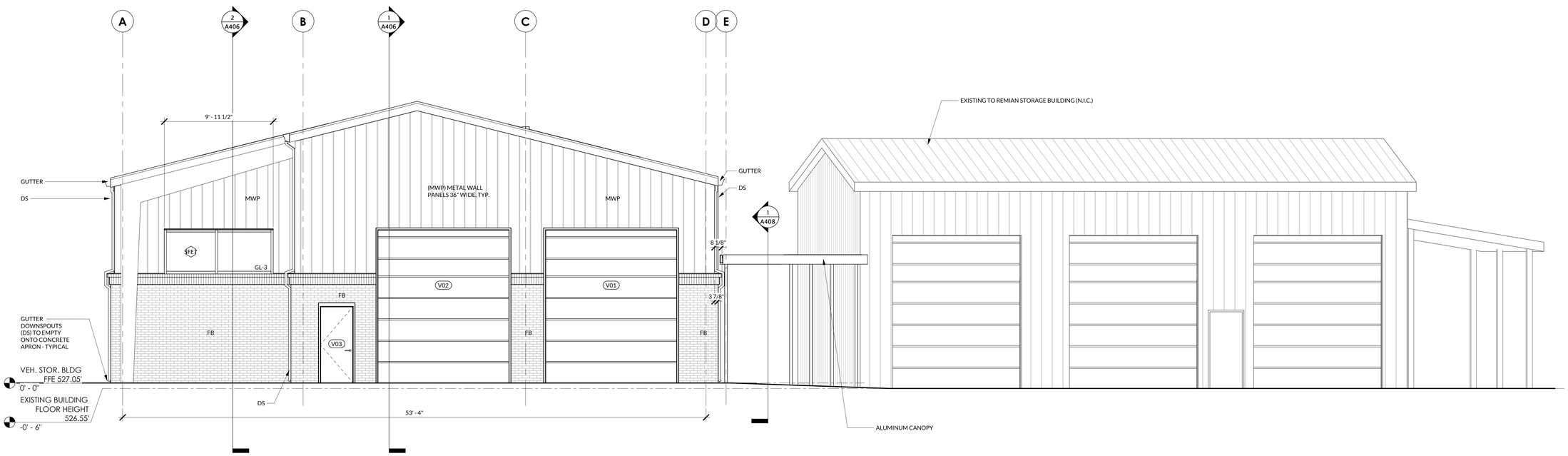


4 A310 **TYPICAL VEH. STOR. BLDG. BRICK PATTERN ELEVATION (FB) FLEMISH BOND**
1 1/2" = 1'-0"

EXTERIOR WINDOW SCHEDULE

Type Mark	Description	Height	Width
SFE6	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	15' - 0"
SFE7	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	10' - 0"
SFE8	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	5' - 0"

Grand total: 6



2 A310 **EXTERIOR BUILDING ELEVATION - SOUTH**
1/4" = 1'-0"

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DAVID BLAKE DANIEL ARCHITECT 11381 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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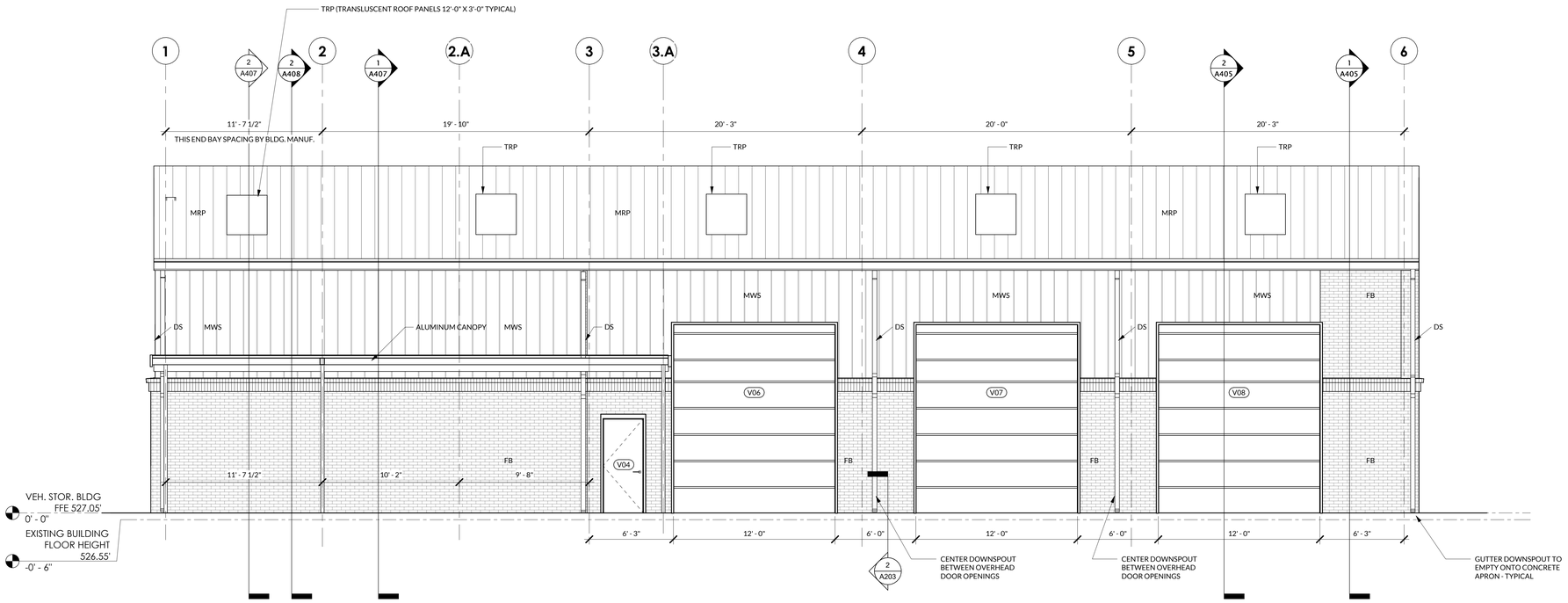
EXTERIOR ELEVATIONS - VEHICLE STORAGE BUILDING

A310

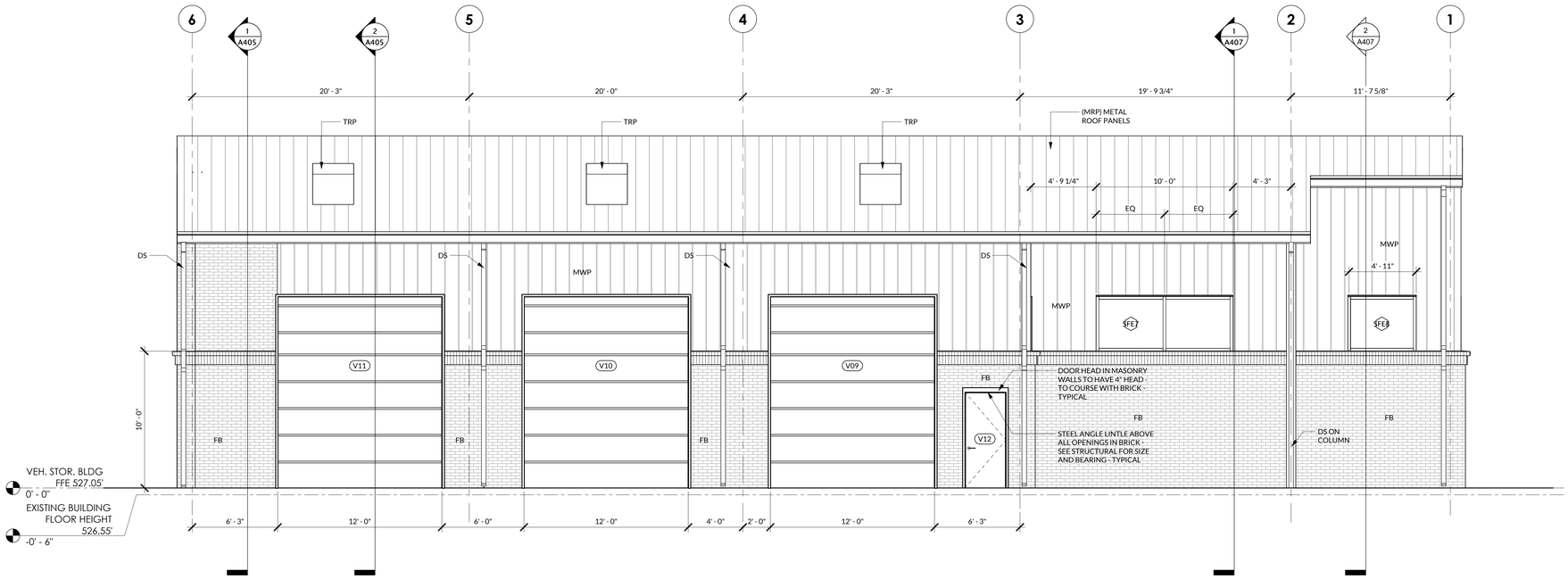
EXTERIOR WINDOW SCHEDULE

Type Mark	Description	Height	Width
SFE6	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	15' - 0"
SFE7	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	10' - 0"
SFE8	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	5' - 0"

Grand total: 6



1 A311 **EXTERIOR BUILDING ELEVATION - EAST**
1/4" = 1'-0"



2 A311 **EXTERIOR BUIDLIGN ELEVATION - WEST**
1/4" = 1'-0"

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PROJECT INFORMATION:

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KEY PLAN:

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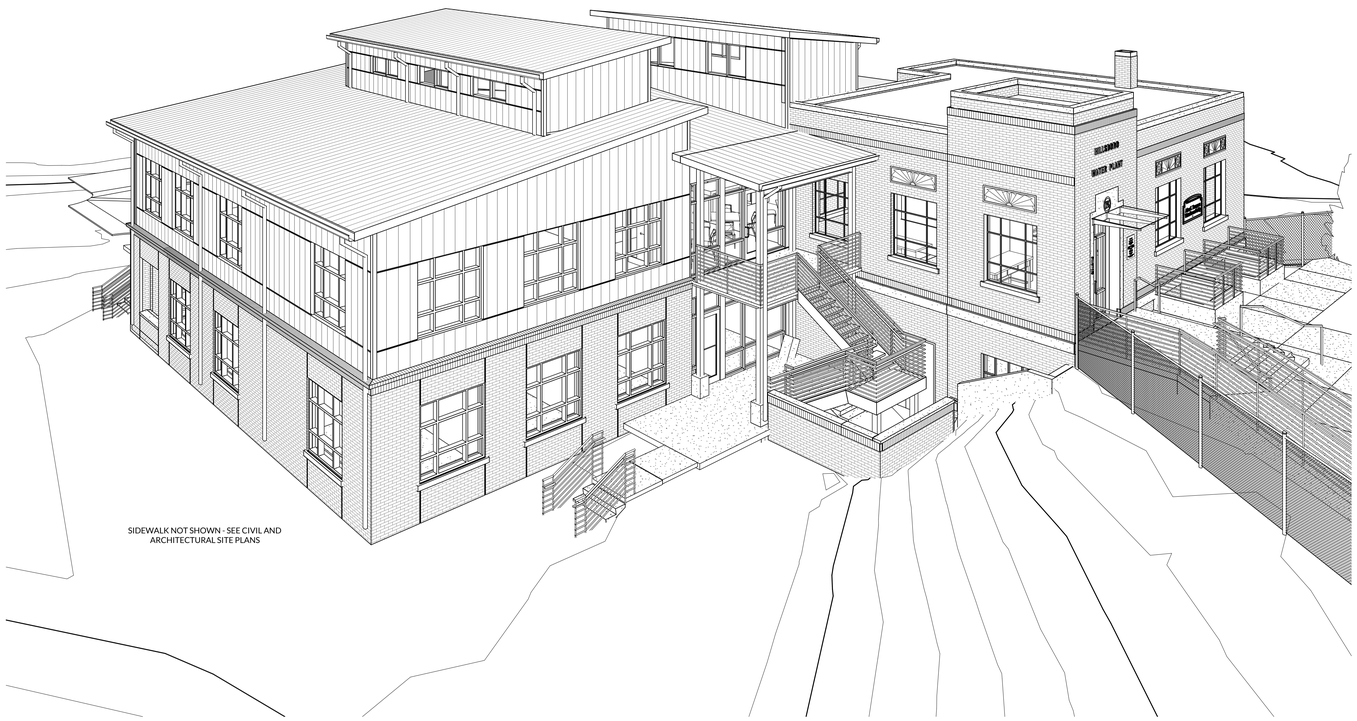
SHEET NAME:

EXTERIOR ELEVATIONS - VEHICLE STORAGE BUILDING

A311



1 A312 **NORTHEAST VIEW FROM EYE LEVEL**



2 A312 **NORTHEAST CORNER FROM ABOVE**

NOTE: 3-D DRAWINGS ARE PROVIDED TO ASSIST WITH THE OVERALL UNDERSTANDING OF THE PROJECT WORK / DESIGN INTENT - IF DISCREPANCIES EXIST IN 3-D VIEWS AND PLANS, ELEVATIONS, SECTIONS OR DETAILS, CONTRACTOR SHALL UTILIZE THE MORE DETAILED INFORMATION ON OTHER SHEETS AND VIEWS - TYPICAL

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North Not to Scale

REVISIONS

No.	Date	Description

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Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	EJW	DBD	12.19.2025

SHEET NAME:

3-D VIEWS - NORTHEAST

A312



1 A313 **NORTHWEST VIEW FROM EYE LEVEL**



2 A313 **NORTHWEST VIEW FROM ABOVE**

NOTE: 3-D DRAWINGS ARE PROVIDED TO ASSIST WITH THE OVERALL UNDERSTANDING OF THE PROJECT WORK / DESIGN INTENT - IF DISCREPANCIES EXIST IN 3-D VIEWS AND PLANS, ELEVATIONS, SECTIONS OR DETAILS, CONTRACTOR SHALL UTILIZE THE MORE DETAILED INFORMATION ON OTHER SHEETS AND VIEWS - TYPICAL

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson Addition & Renovation

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KEY PLAN:

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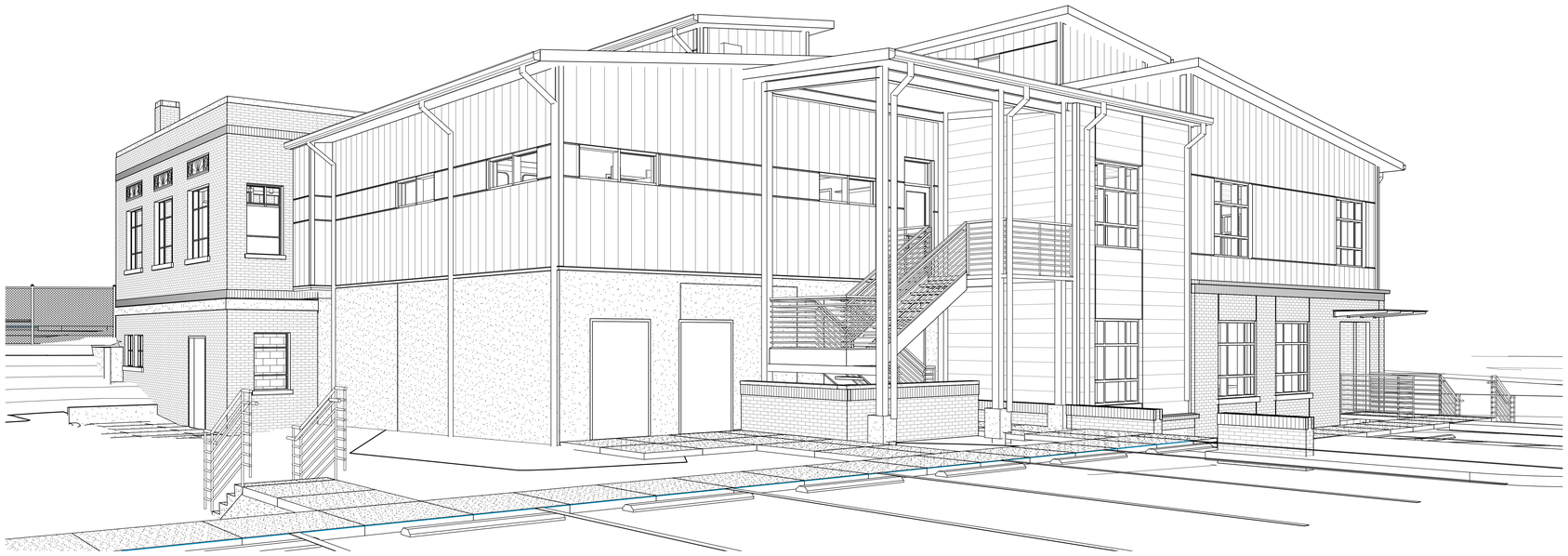
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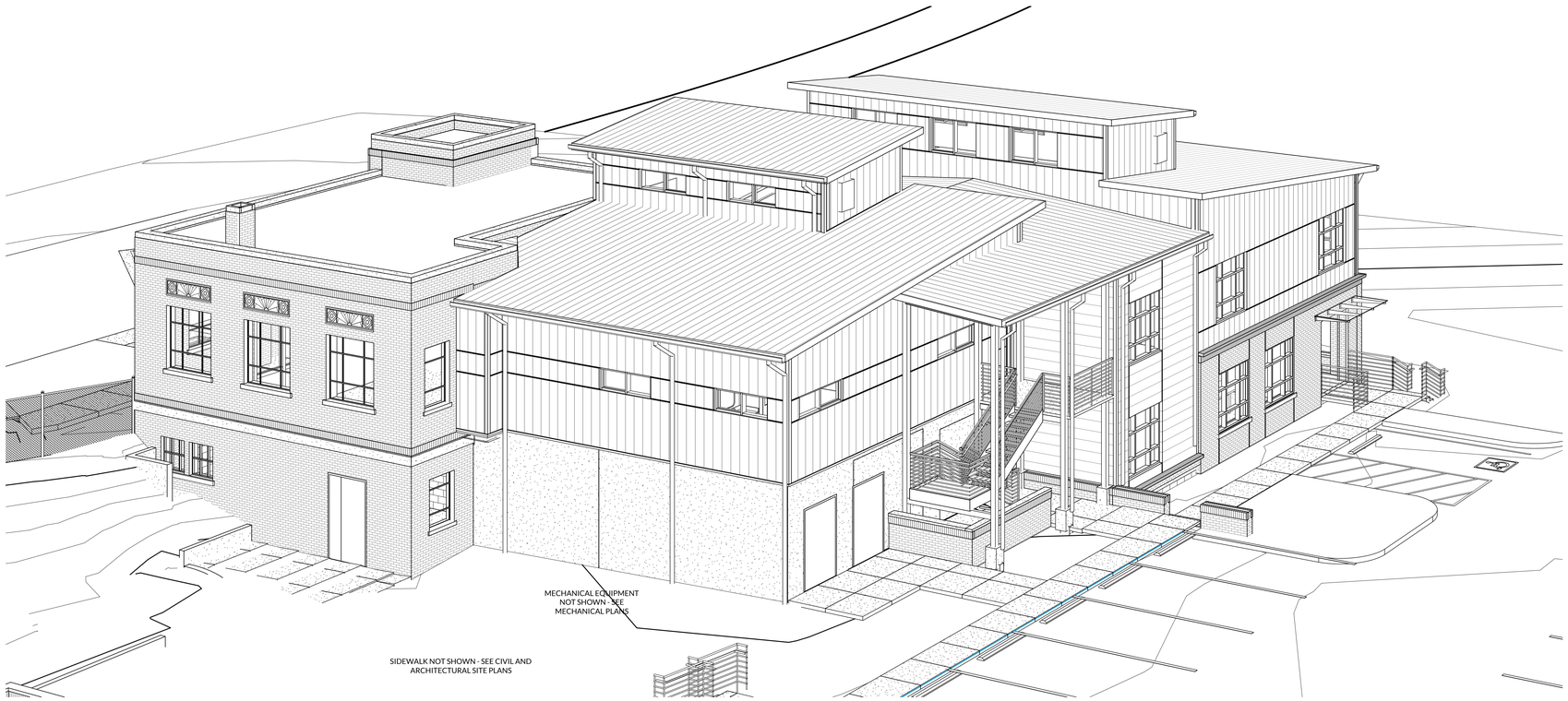
SHEET NAME:

3-D VIEWS - NORTHWEST

A313



1 A314 **SOUTHWEST VIEW FROM EYE LEVEL**



2 A314 **SOUTHWEST CORNER FROM ABOVE**

NOTE: 3-D DRAWINGS ARE PROVIDED TO ASSIST WITH THE OVERALL UNDERSTANDING OF THE PROJECT WORK / DESIGN INTENT - IF DISCREPANCIES EXIST IN 3-D VIEWS AND PLANS, ELEVATIONS, SECTIONS OR DETAILS, CONTRACTOR SHALL UTILIZE THE MORE DETAILED INFORMATION ON OTHER SHEETS AND VIEWS - TYPICAL

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NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

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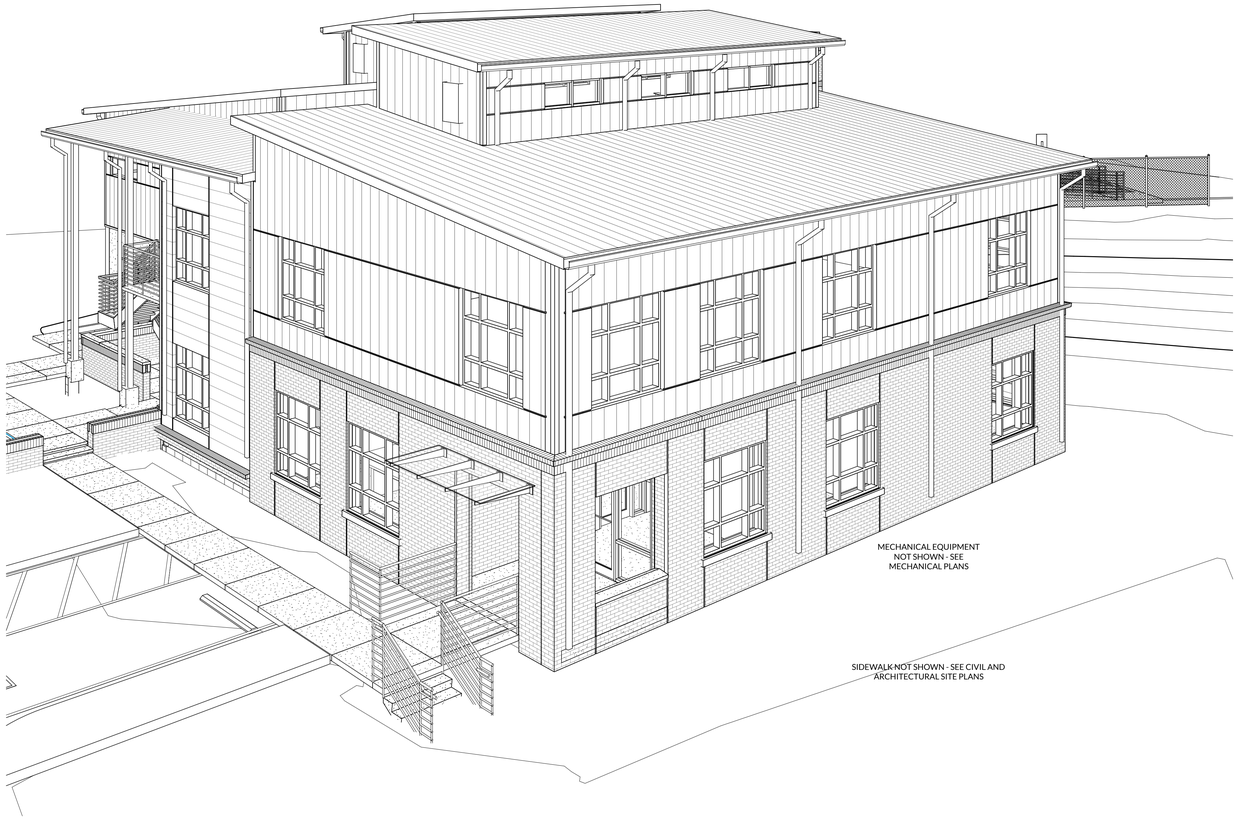
SHEET NAME:

3-D VIEWS - SOUTHWEST

A314



1 / A315 **SOUTHEAST VIEW FROM EYE LEVEL**



2 / A315 **SOUTHEAST VIEW FROM ABOVE**

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

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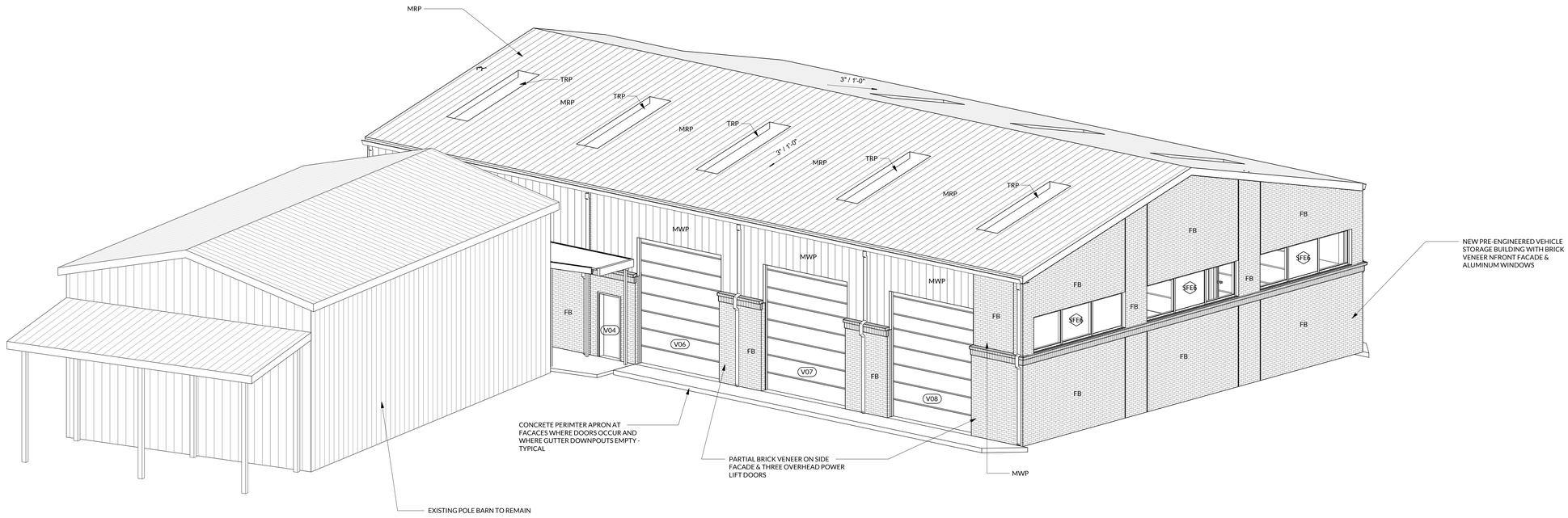
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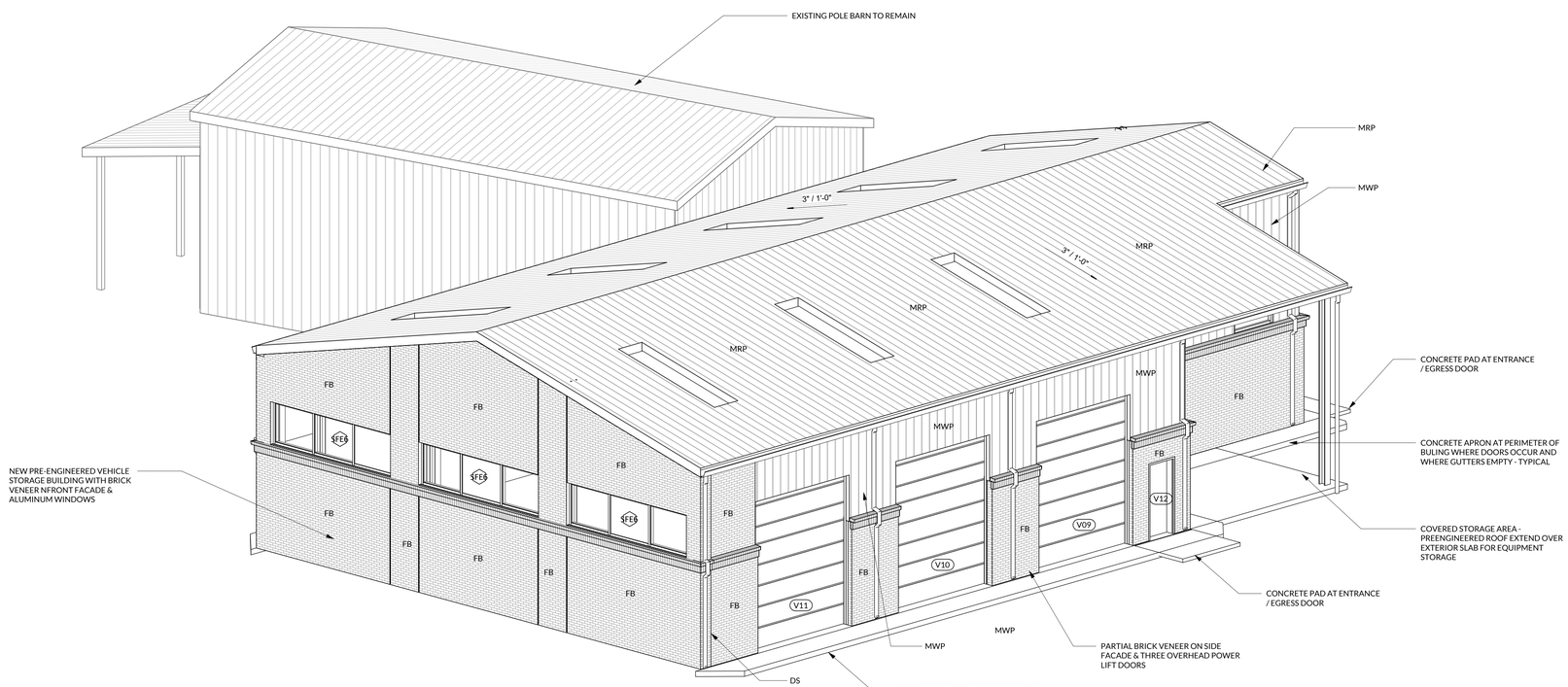
SHEET NAME:

3-D VIEWS - SOUTHEAST

A315



1 A316 **3-D NORTHEAST CORNER**



2 A316 **3-D NORTHWEST CORNER**

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

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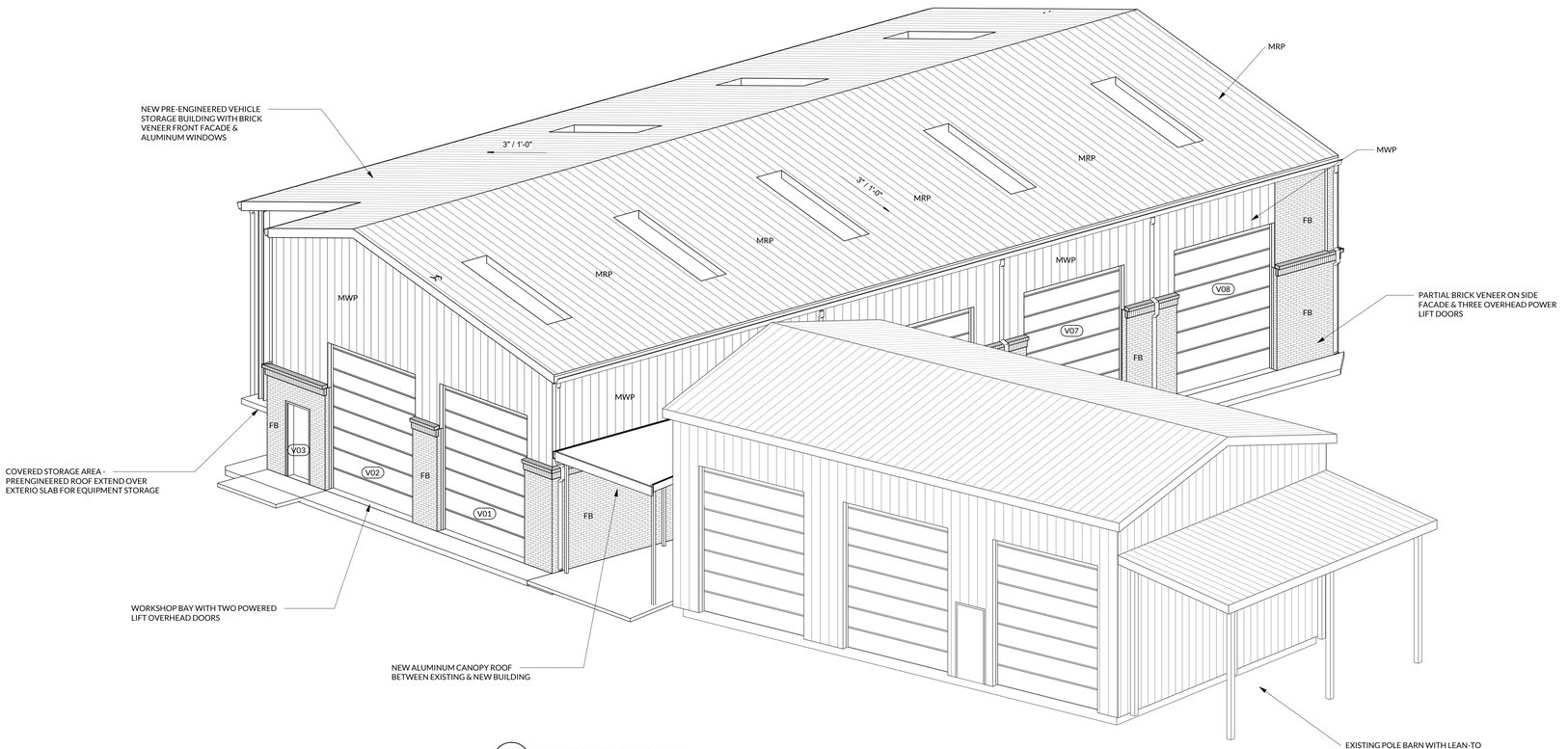
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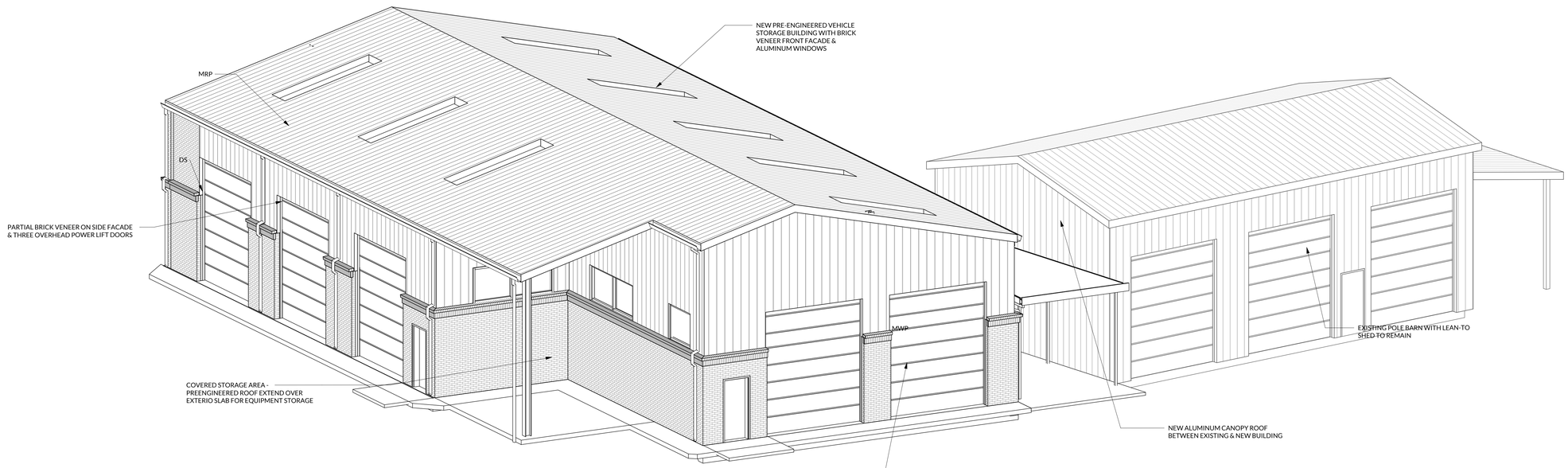
SHEET NAME:

3-D VIEWS - VEHICLE STORAGE BUILDING

A316



1 A317 **3-D SOUTHEAST CORNER**



2 A317 **3-D SOUTHWEST CORNER**

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DAVID BLAKE DANIEL · REGISTERED ARCHITECT · 11381 · NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson
Addition & Renovation

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KEY PLAN:

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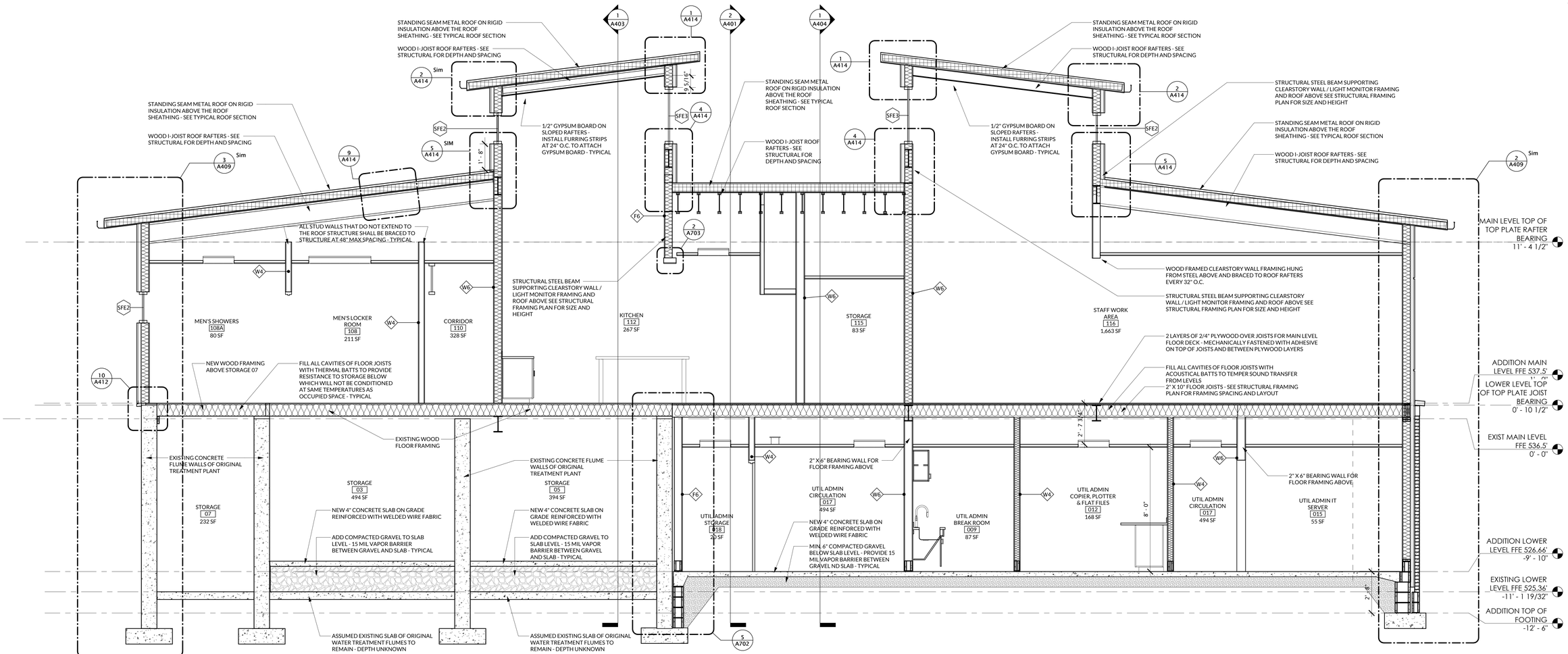
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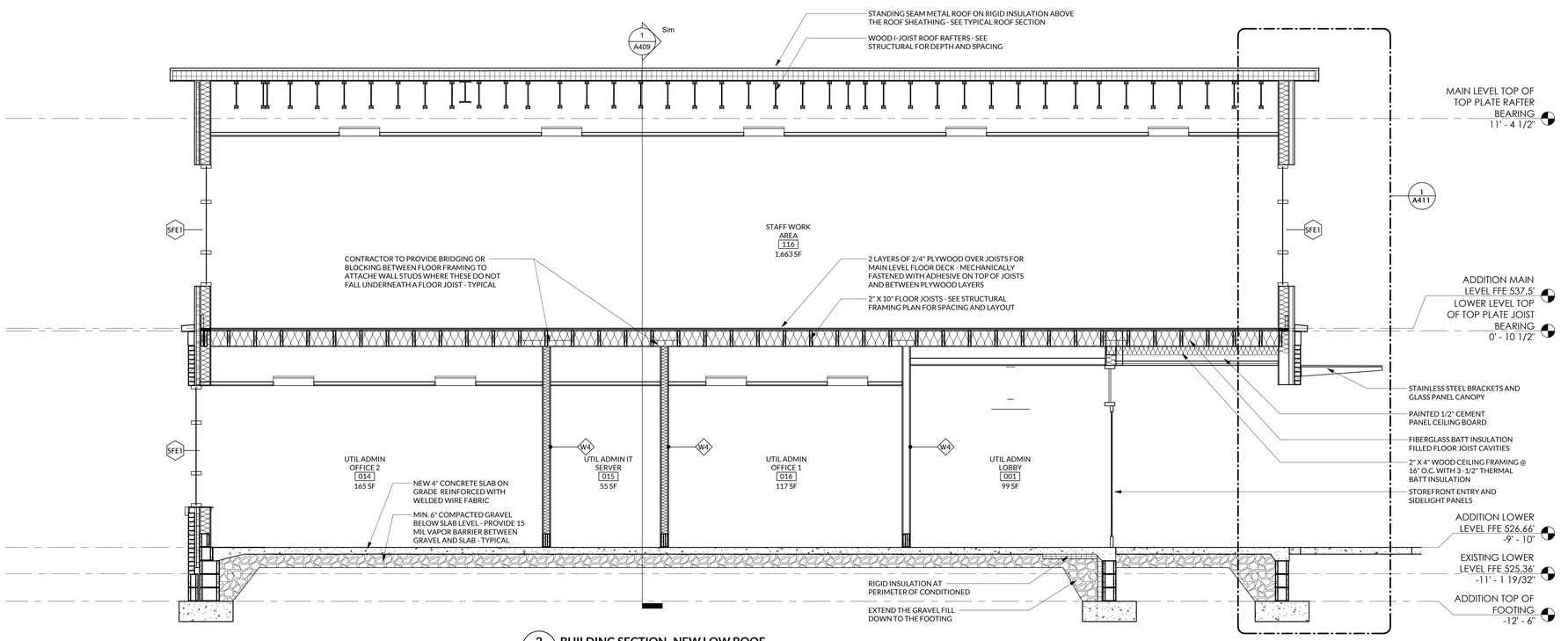
SHEET NAME:

3-D VIEWS - VEHICLE STORAGE BUILDING

A317



1 BUILDING SECTION- ADDITION
A401 3/8" = 1'-0"



2 BUILDING SECTION- NEW LOW ROOF
A401 3/8" = 1'-0"

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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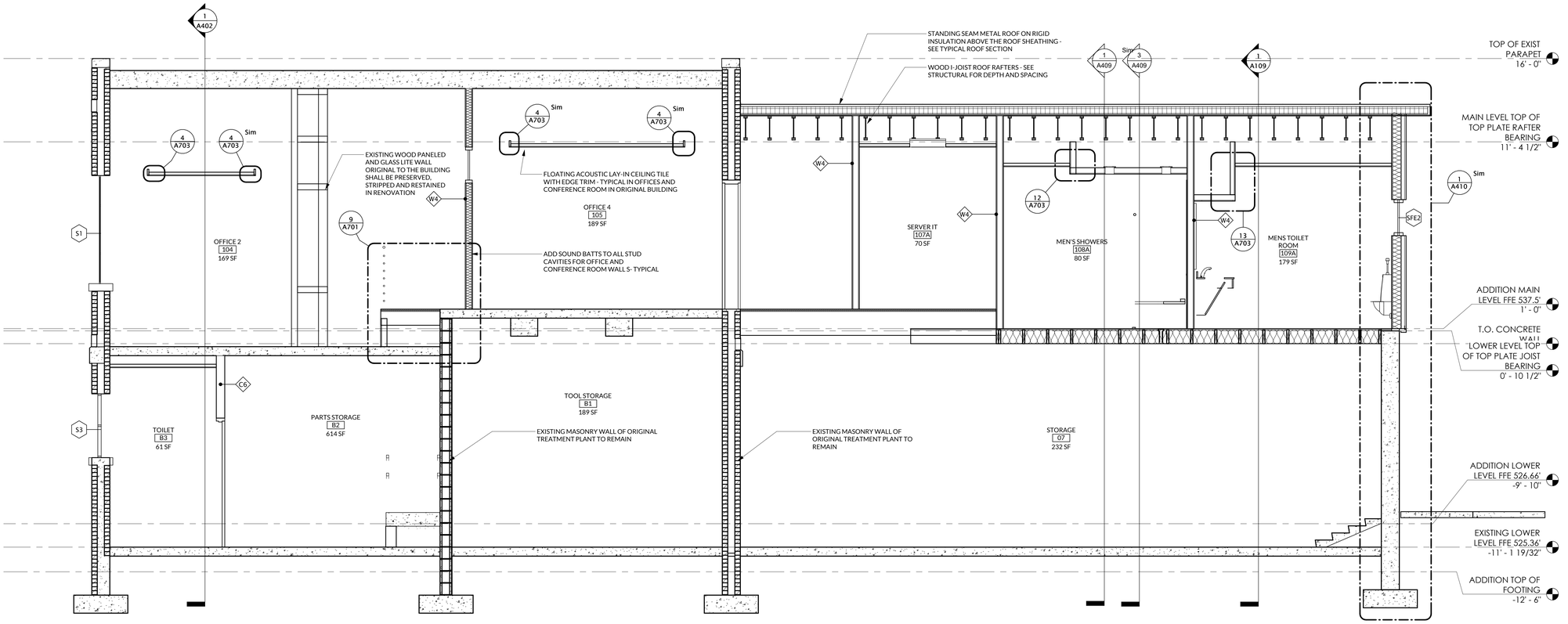
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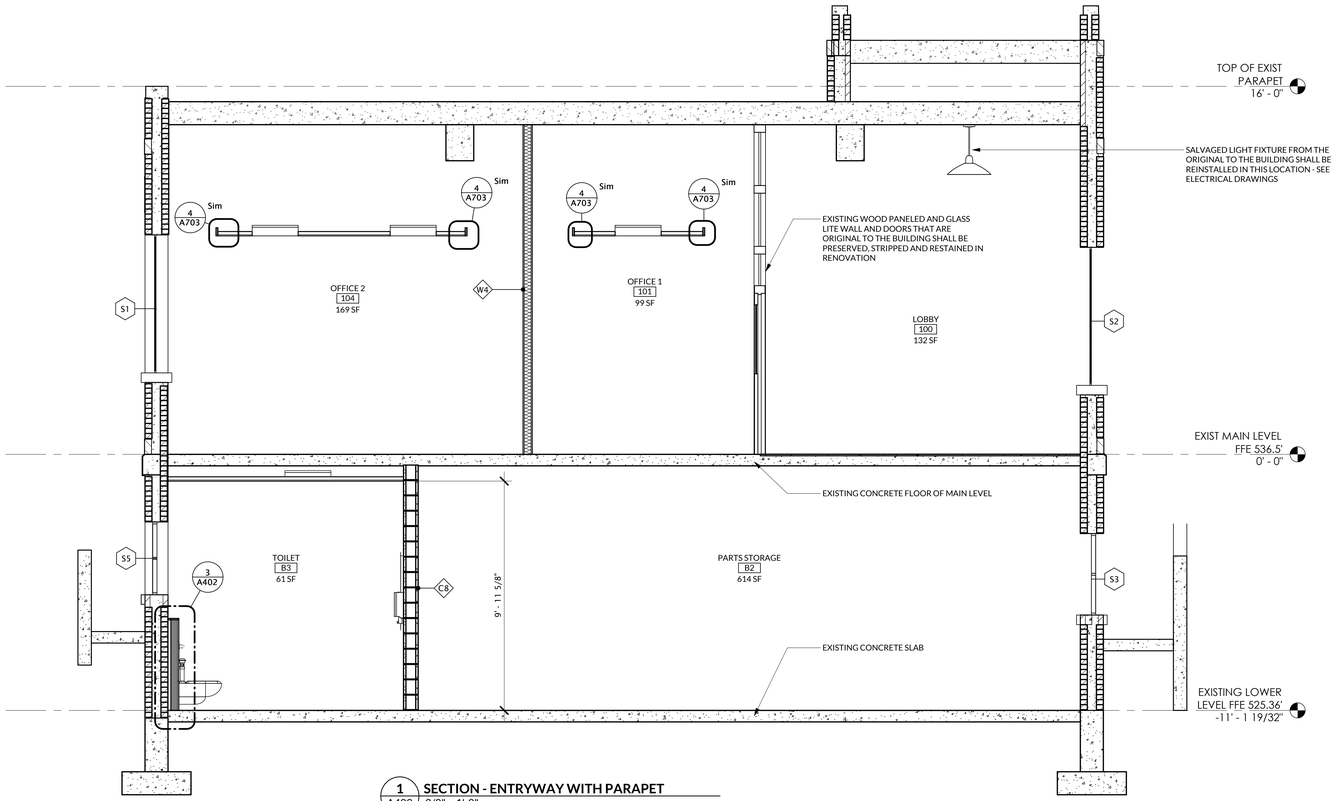
BUILDING SECTIONS

A401

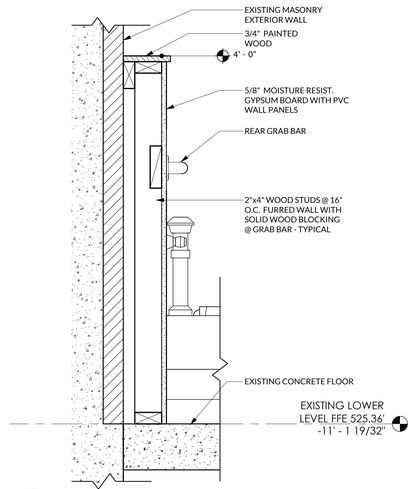


1 A402 SECTION - ENTRYWAY WITH PARAPET
3/8" = 1'-0"

2 A402 SECTION- EXISTING AND ADDITION
3/8" = 1'-0"



1 A402 SECTION - ENTRYWAY WITH PARAPET
3/8" = 1'-0"



3 A402 SECTION DETAIL - PLUMBING WALL @ TOILET B3
1 1/2" = 1'-0"

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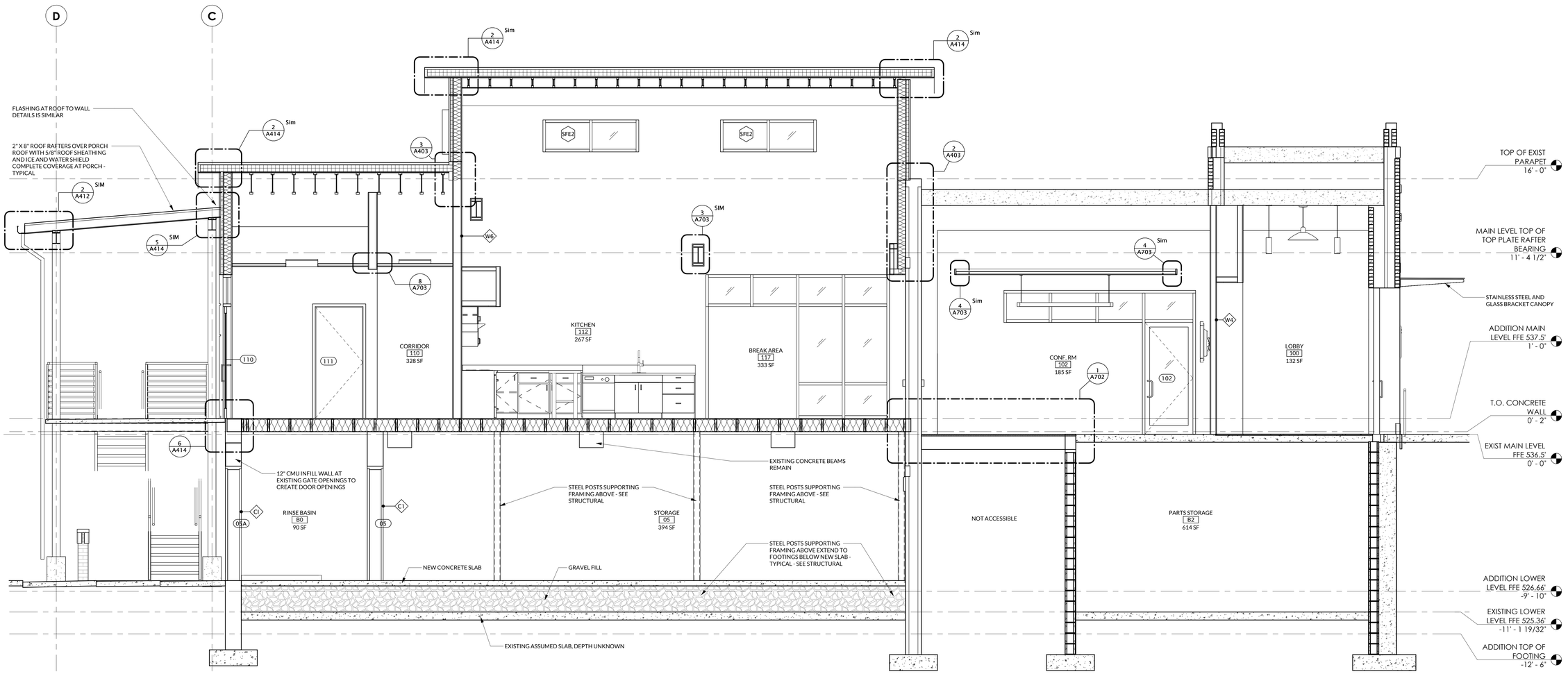
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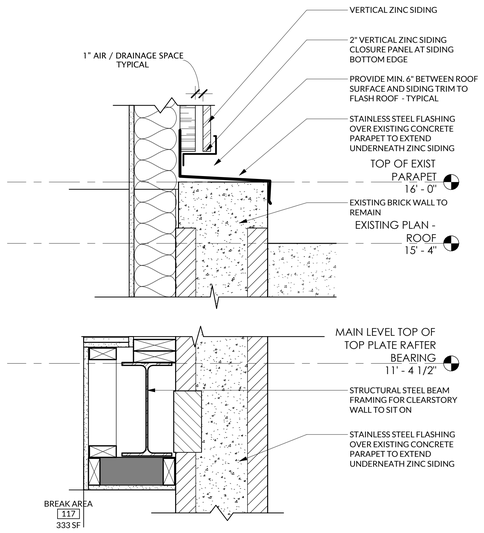
SHEET NAME:

BUILDING SECTIONS

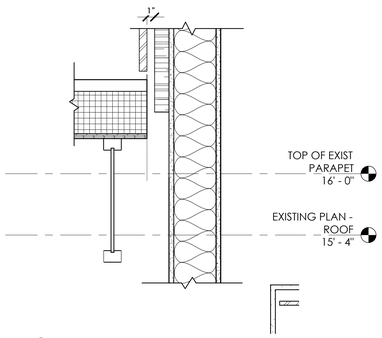
A402



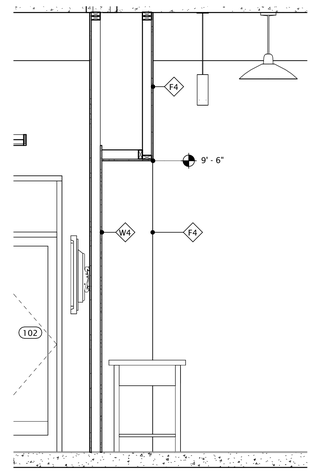
1 A403 BUILDING SECTION - EXISTING WITH PARAPET
3/8" = 1'-0"



2 A403 SECTION DETAIL - CLERESTORY WALL AT EXISTING EXTERIOR WALL
1 1/2" = 1'-0"



3 A403 SECTION DETAIL - CLERESTORY WALL AT LOW ROOF
1 1/2" = 1'-0"



4 A403 LOBBY SECTION AT TABLE
1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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REVISIONS

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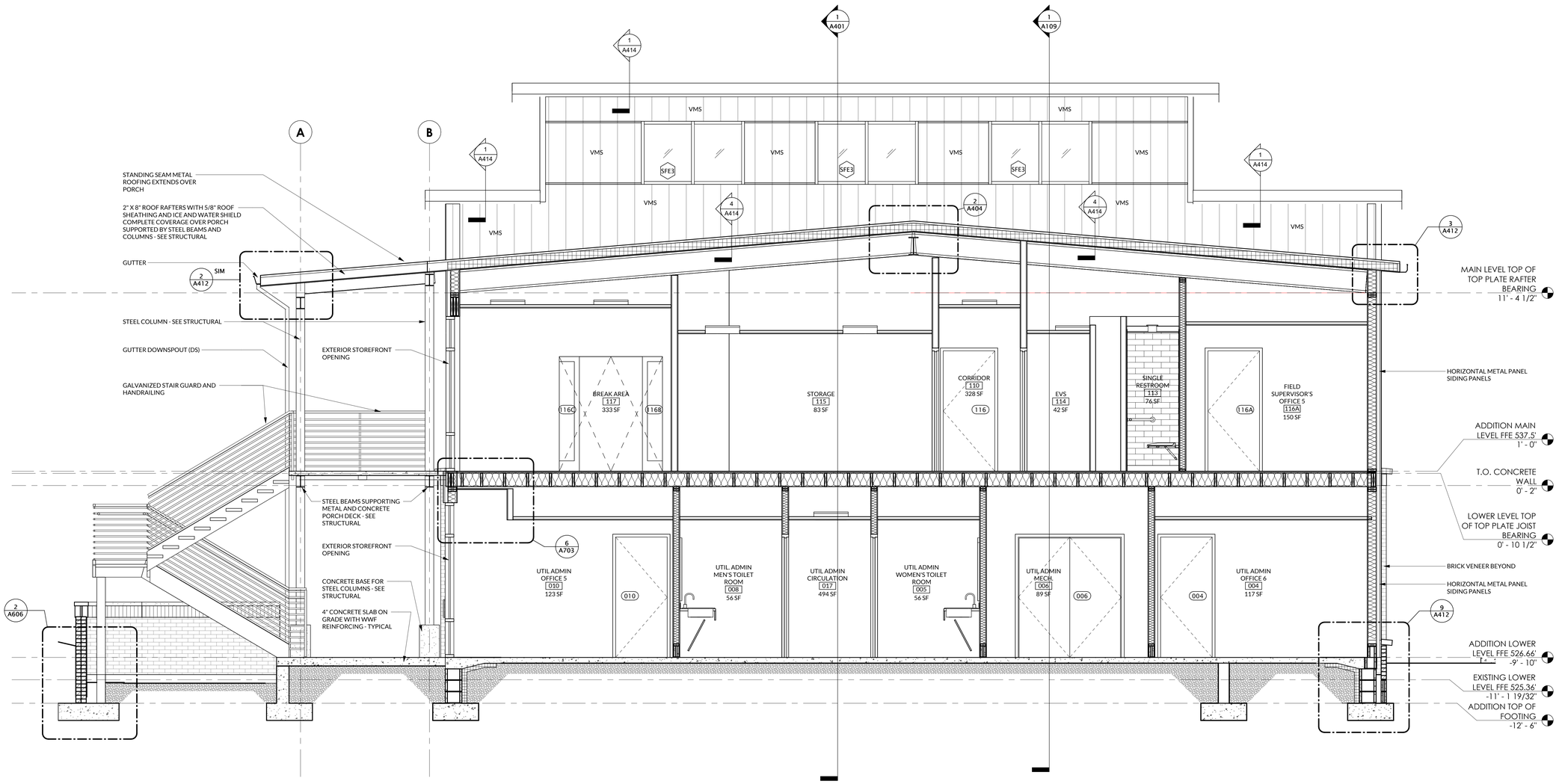
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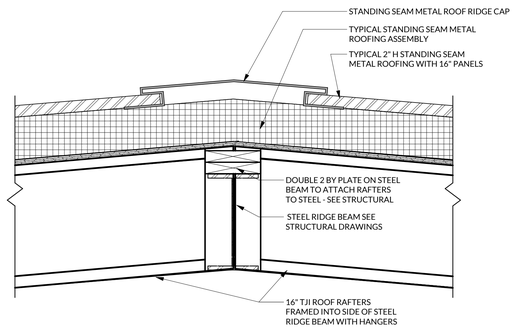
SHEET NAME:

BUILDING SECTIONS

A403



1 A404 BUILDING SECTION THROUGH MIDDLE SLOPED ROOF
3/8" = 1'-0"



2 A404 SECTION DETAIL - RIDGE CAP AT CENTER ROOF
1 1/2" = 1'-0"

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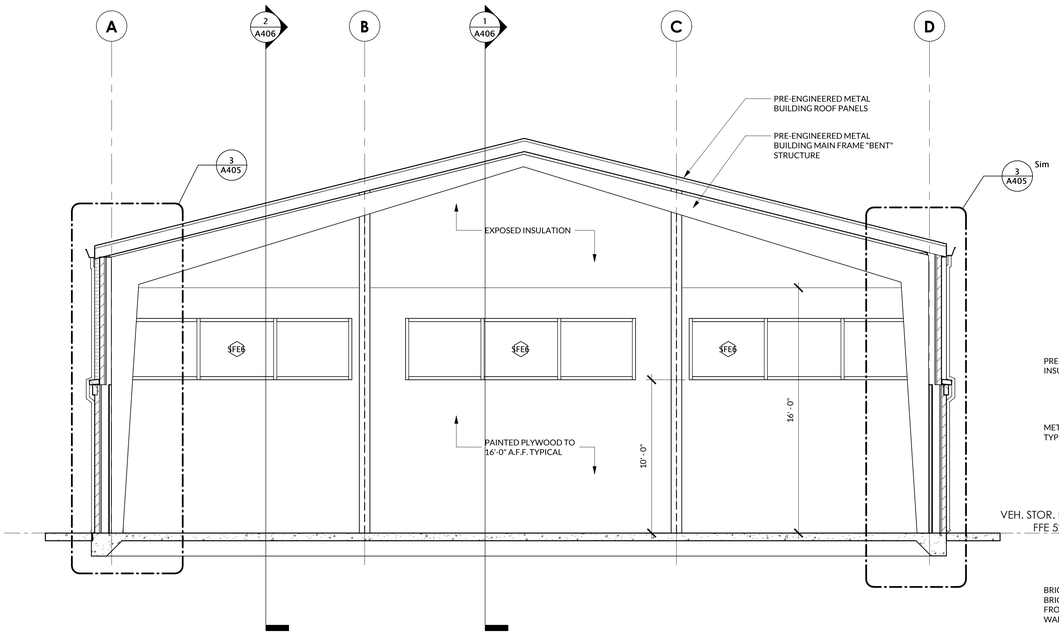
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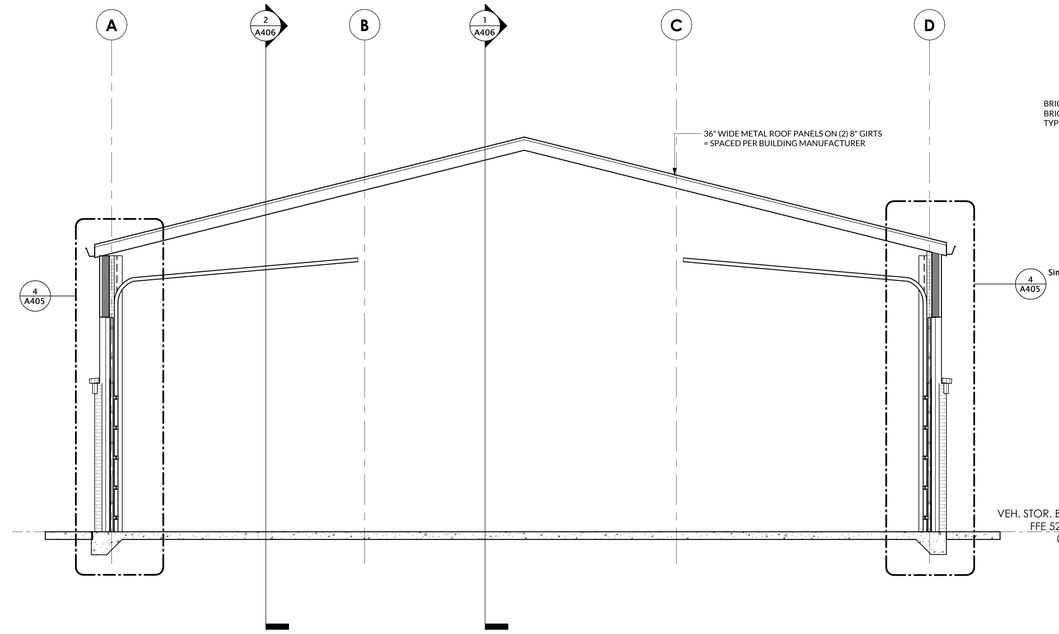
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BUILDING SECTIONS

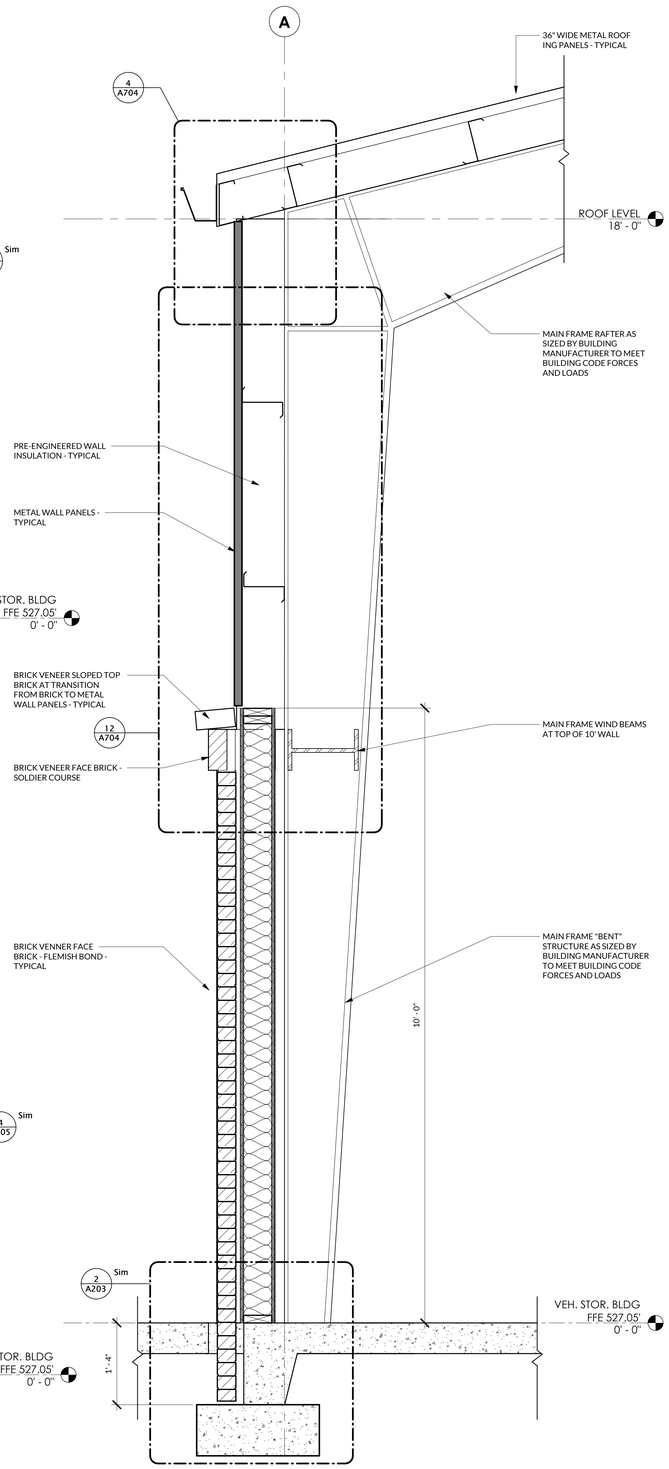
A404



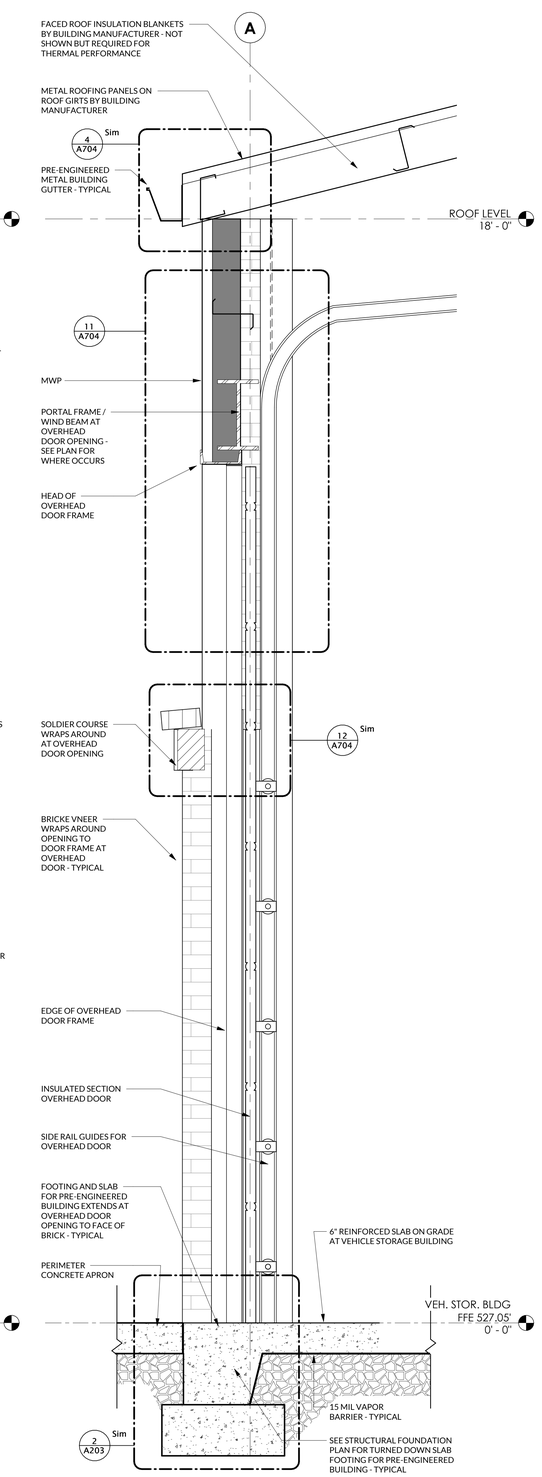
1 A405 BUILDING SECTION AT EXTERIOR WALLS
1/4" = 1'-0"



2 A405 BUILDING SECTION AT OVERHEAD DOORS
1/4" = 1'-0"



3 A405 WALL SECTION - EXTERIOR WALL TYPICAL
1" = 1'-0"



4 A405 WALL SECTION - OVERHEAD DOOR
1" = 1'-0"

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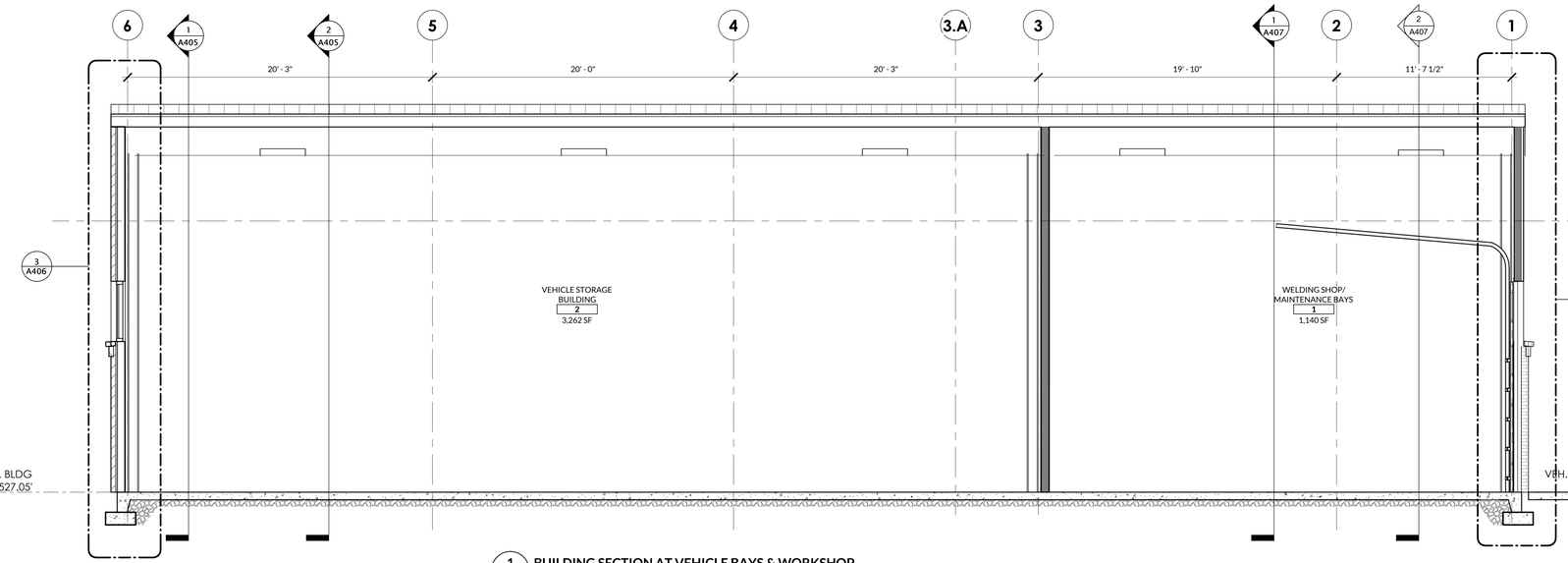
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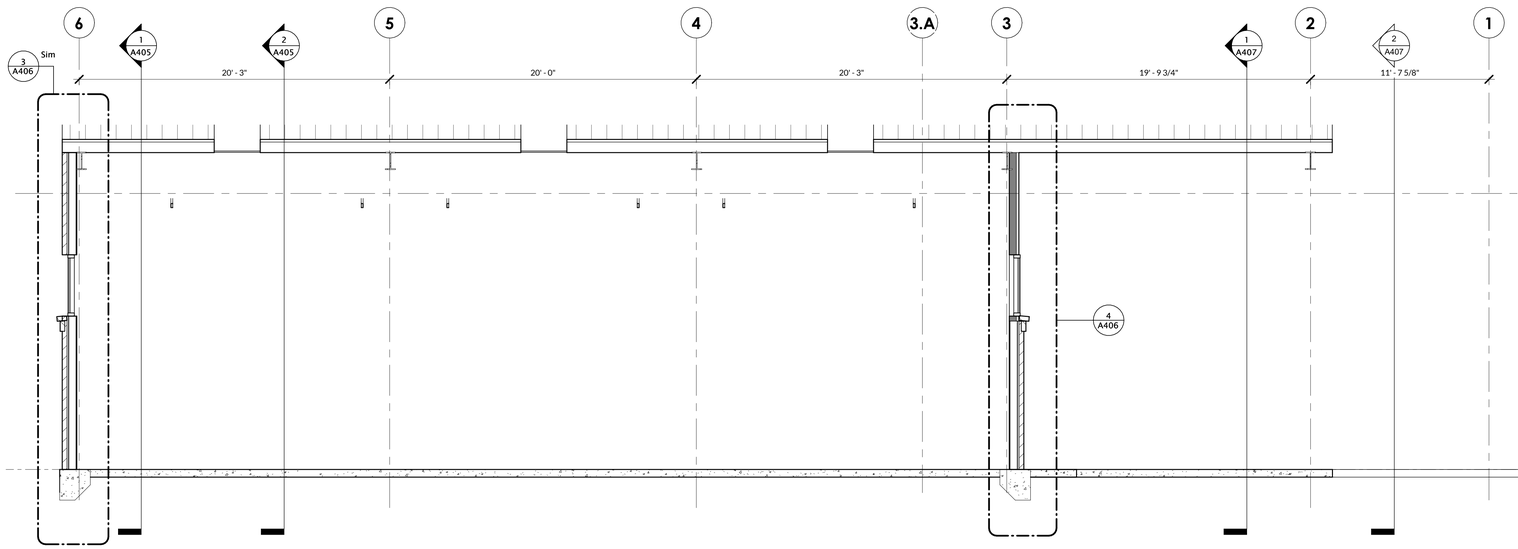
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BUILDING SECTIONS AND WALL SECTIONS - VEHICLE STORAGE BUILDING

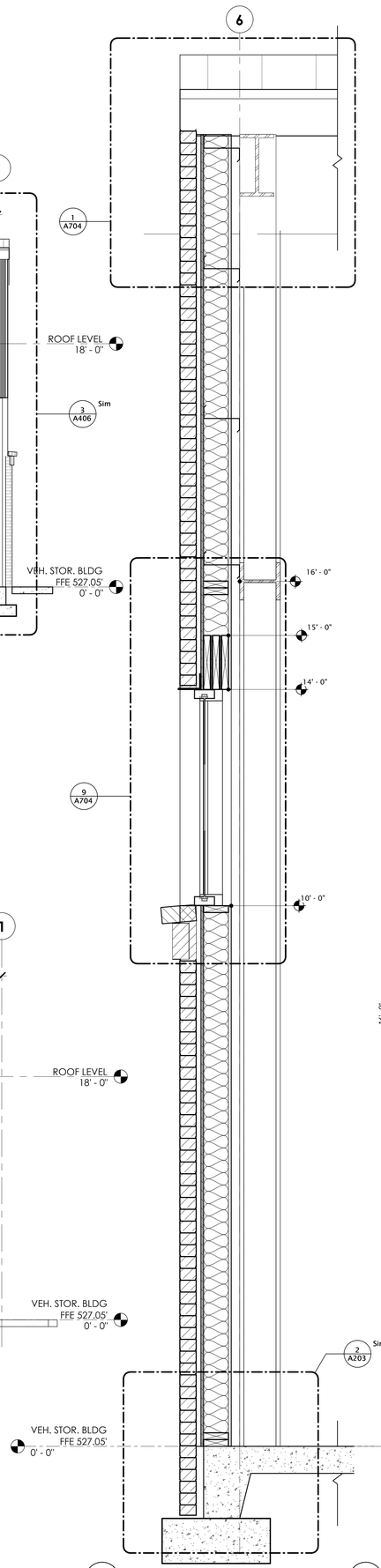
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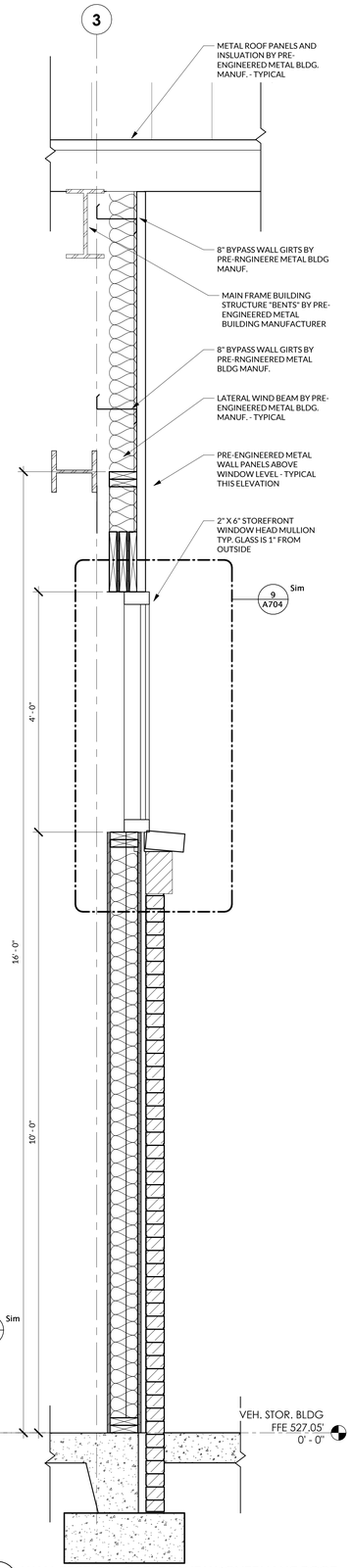
1 A406 BUILDING SECTION AT VEHICLE BAYS & WORKSHOP
1/4" = 1'-0"



2 A406 BUILDING SECTION AT VEHICLE BAYS & COVERED STORAGE
1/4" = 1'-0"



3 A406 WALL SECTION - HIGH WINDOW
1" = 1'-0"



4 A406 WALL SECTION - GABLE EAVE W/ OVERHANG ROOF
1" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

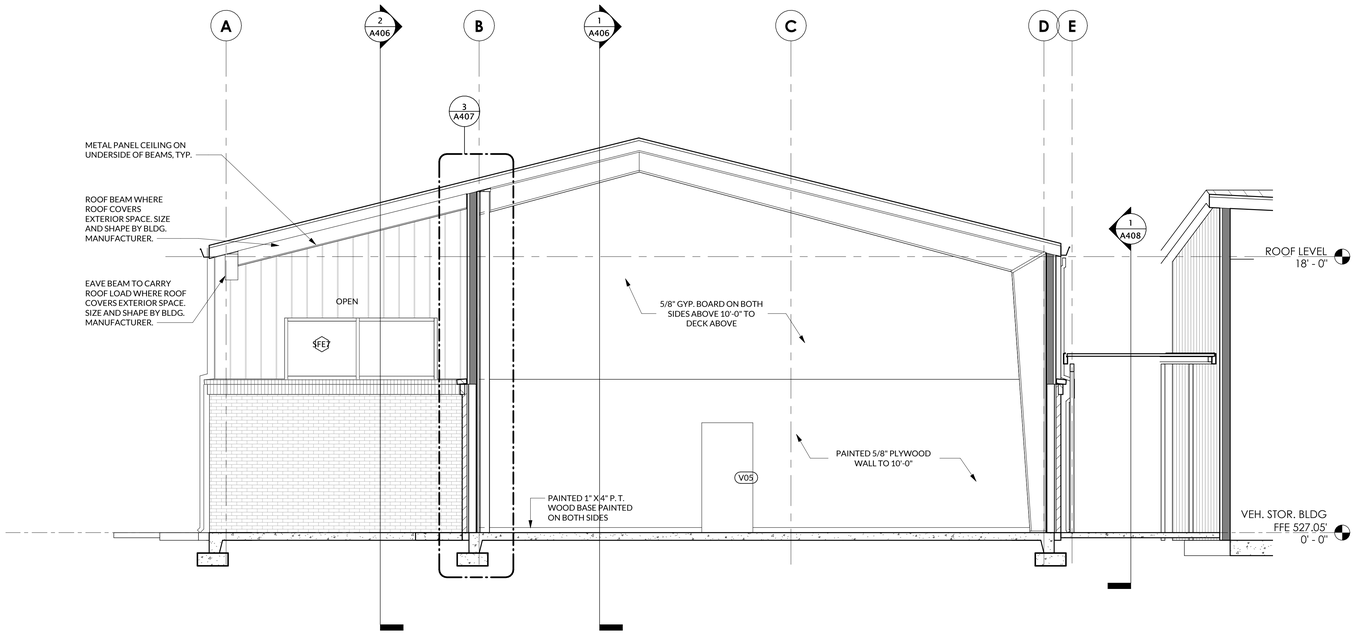
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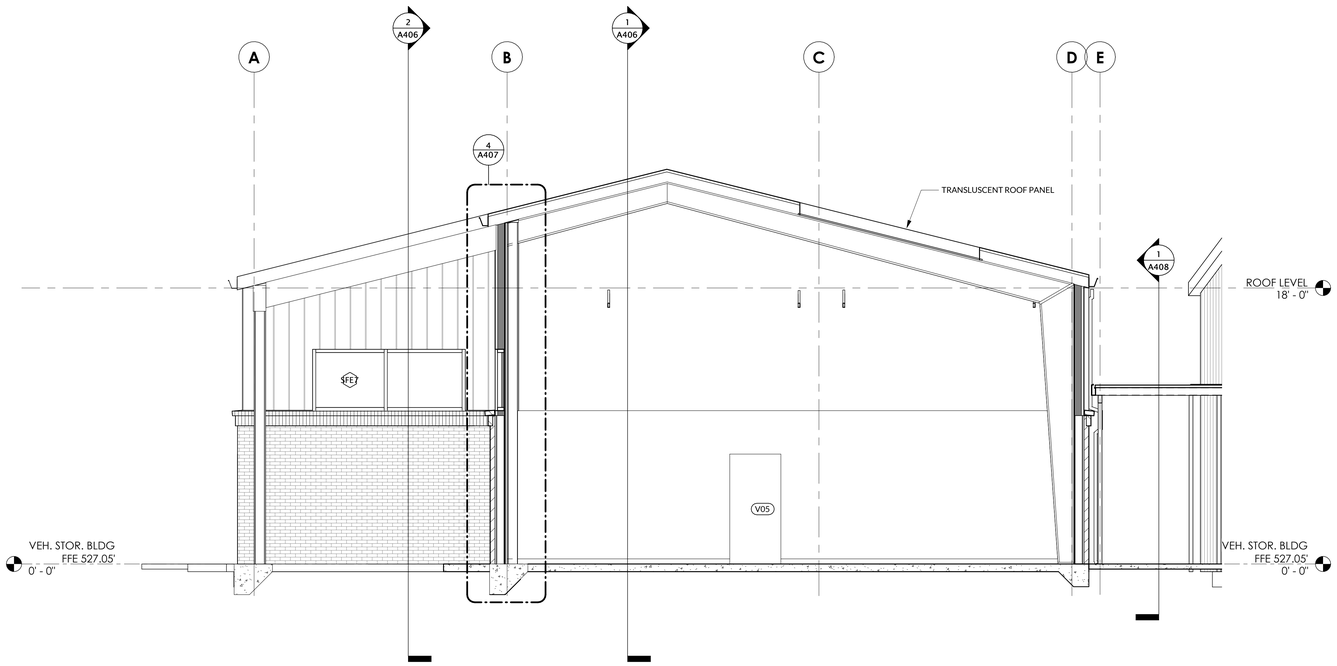
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BUILDING SECTIONS AND WALL SECTIONS - VEHICLE STORAGE BUILDING

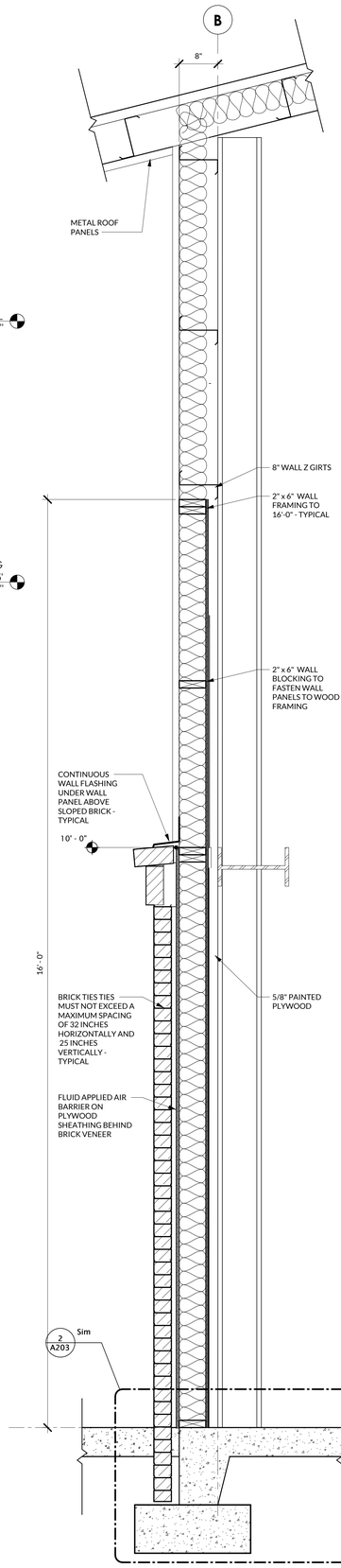
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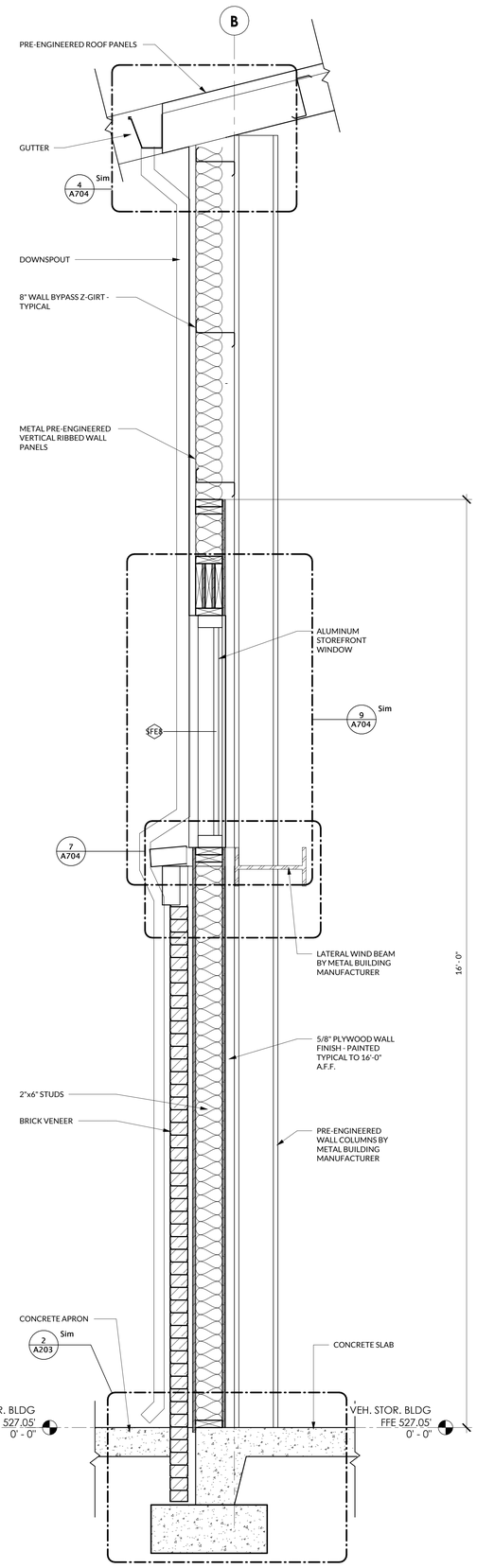
1 A407 **BUILDING SECTION AT COVERED STORAGE & WORKSHOP**
1/4" = 1'-0"



2 A407 **BUILING SECTION AT COVERED STORAGE & WORKSHOP B**
1/4" = 1'-0"



3 A407 **WALL SECTION - EAVE BEAM AT GABLE OVERHANG ROOF**
1" = 1'-0"



4 A407 **WALL SECTION - HIGH BAY WINDOW**
1" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

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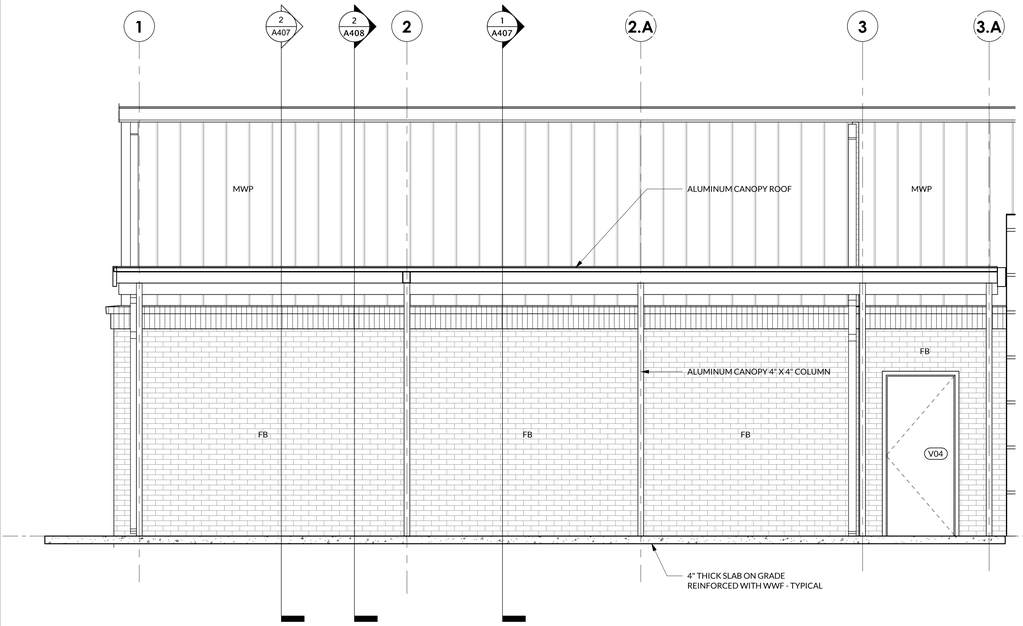
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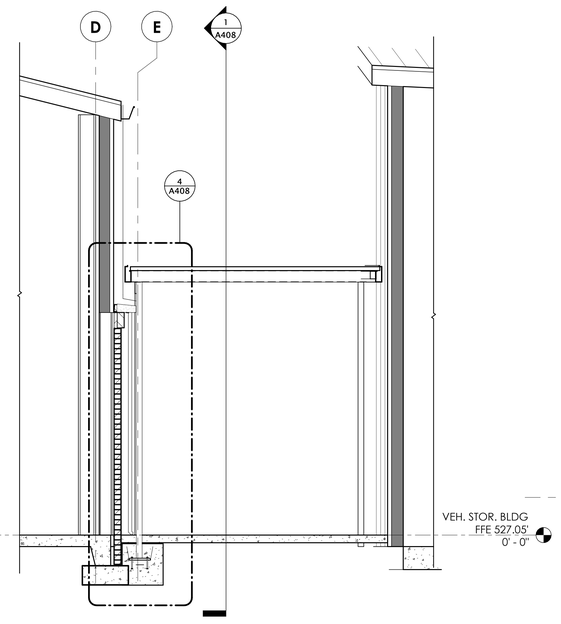
SHEET NAME:

BUILDING SECTIONS AND WALL SECTIONS - VEHICLE STORAGE BUILDING

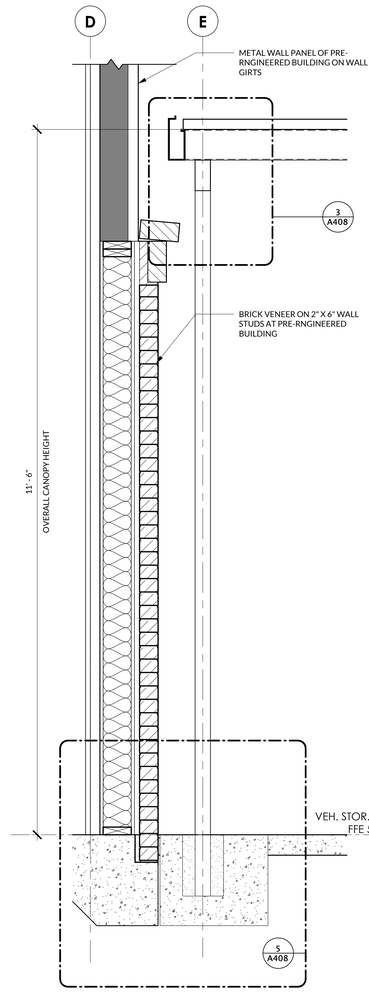
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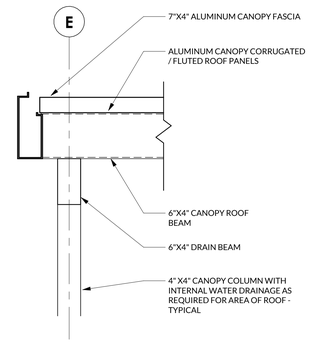
1 A408 **BUILDING SECTION AT CANOPY FACING EXTERIOR WALL**
3/8" = 1'-0"



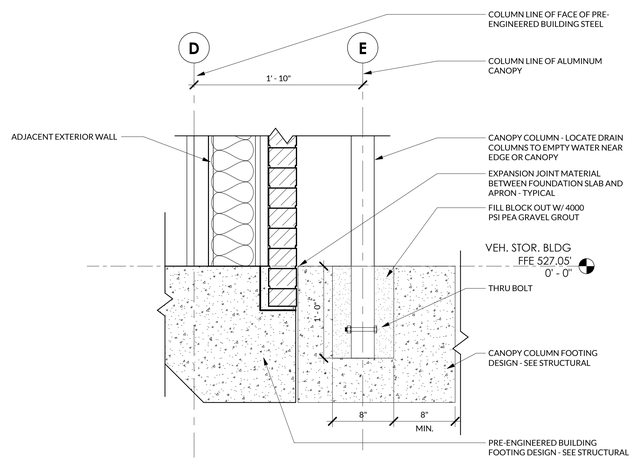
2 A408 **BUILDING SECTION AT CANOPY**
3/8" = 1'-0"



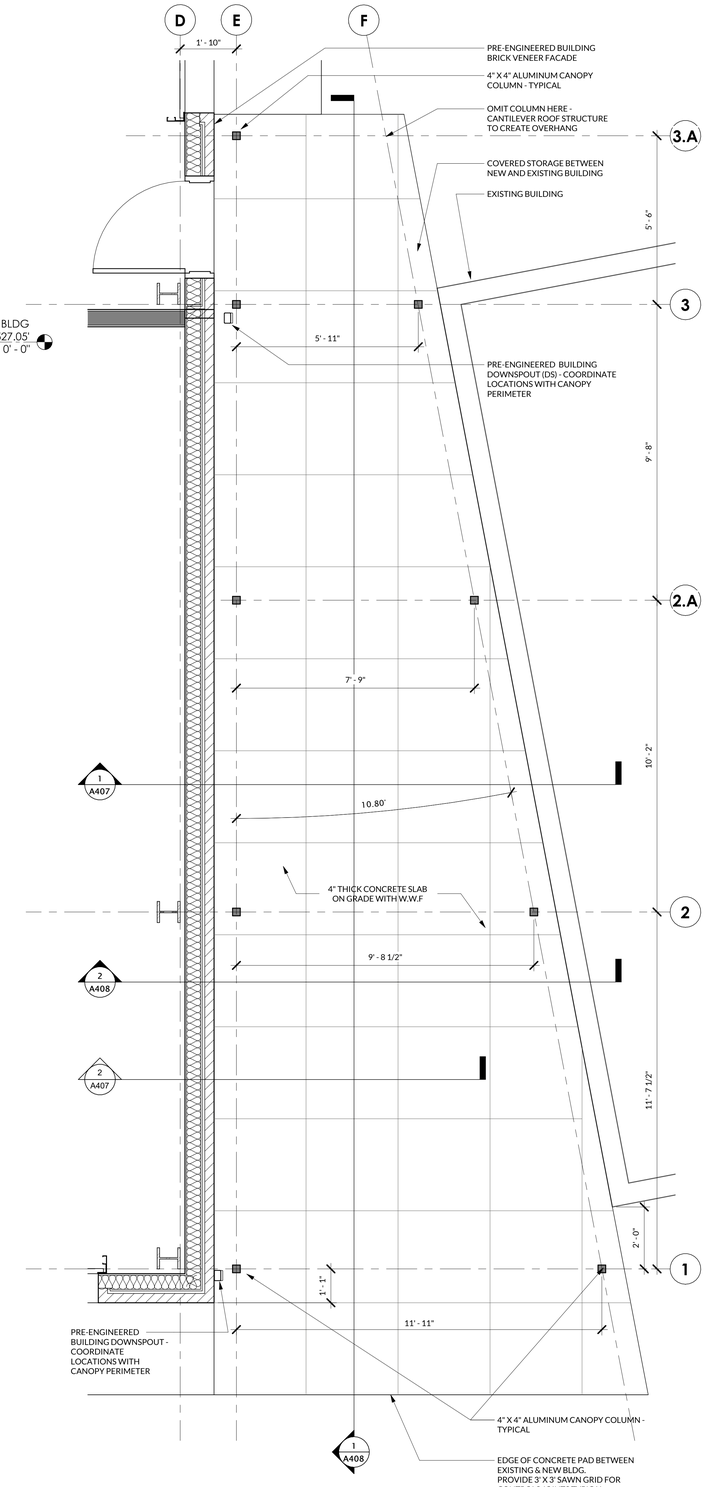
4 A408 **WALL SECTION DETAIL - CANOPY**
1" = 1'-0"



3 A408 **WALL SECTION DETAIL - CANOPY GUTTER**
1 1/2" = 1'-0"



5 A408 **WALL SECTION DETAIL - CANOPY FOOTER AT WALL**
1 1/2" = 1'-0"



6 A408 **FLOOR PLAN - VEHICLE STOR. BLDG - ALUMINUM CANOPY**
1/2" = 1'-0"

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NORTH CAROLINA
DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North
Not to Scale

REVISIONS

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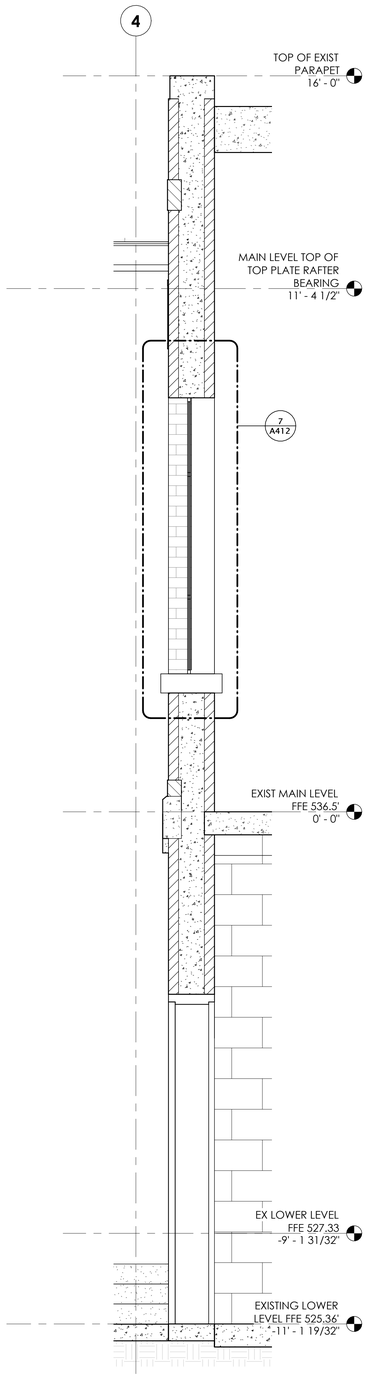
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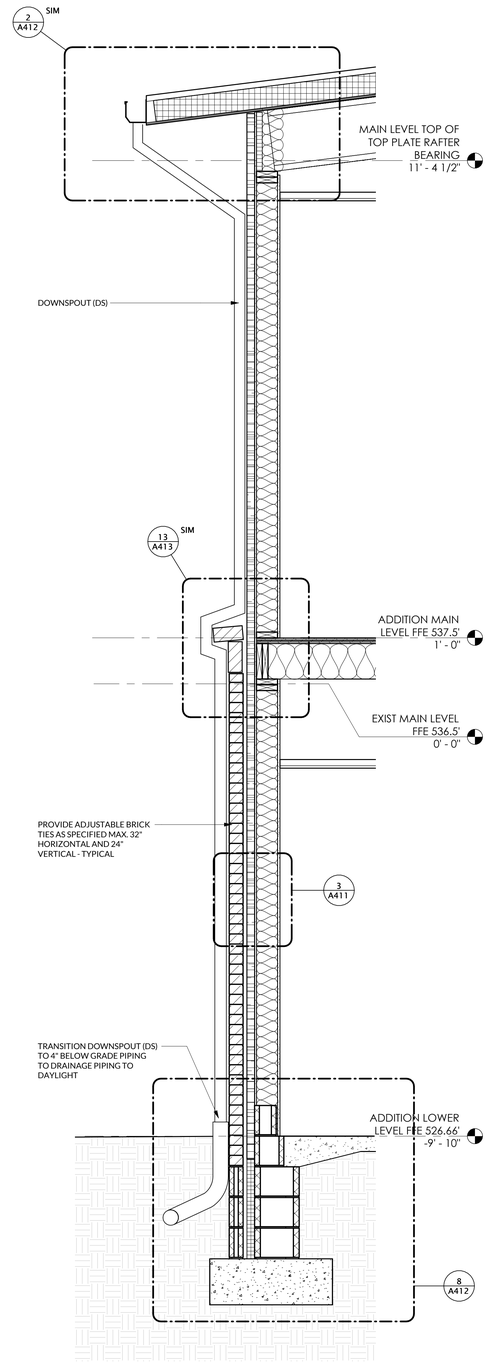
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CANOPY SECTIONS & DETAILS - VEHICLE STORAGE BUILDING

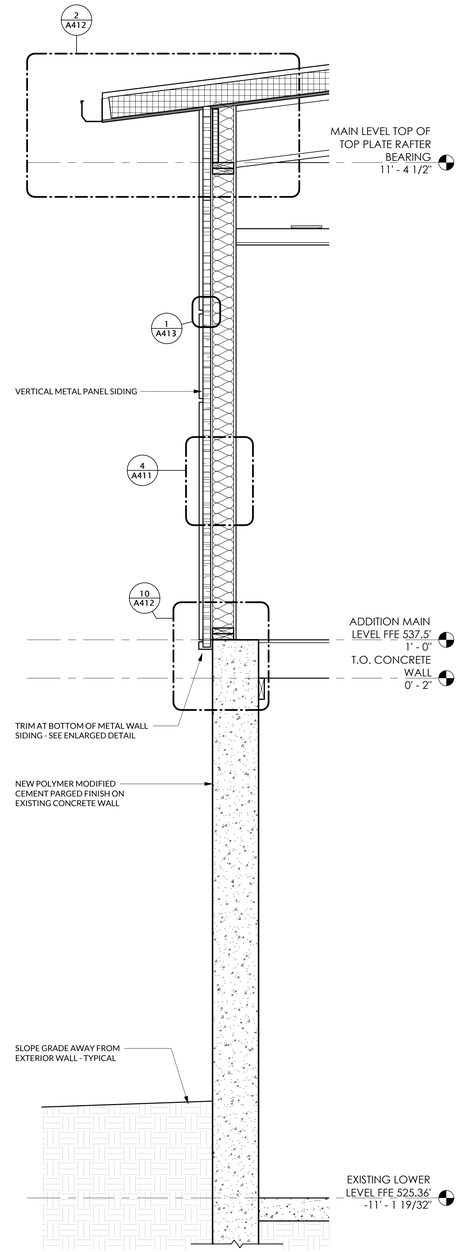
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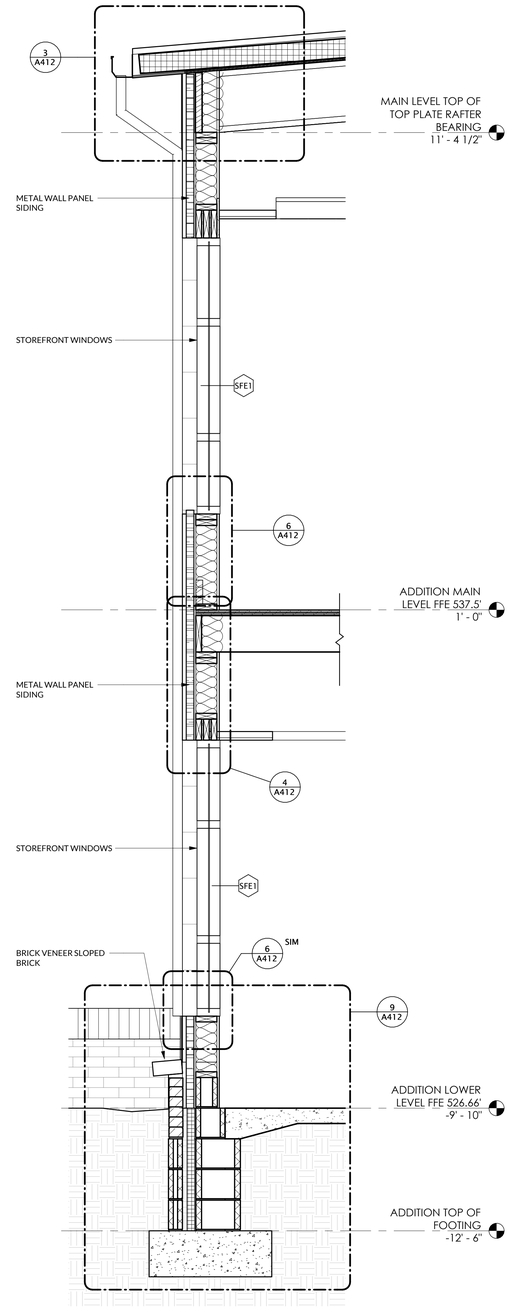
1 A409 **EXISTING EAST WALL SECTION**
3/4" = 1'-0"



2 A409 **NEW ADDITION EAST WALL SECTION**
3/4" = 1'-0"



3 A409 **RENOVATION WEST WALL SECTION**
3/4" = 1'-0"



4 A409 **NEW ADDITION SOUTH WALL SECTION - WINDOW**
3/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

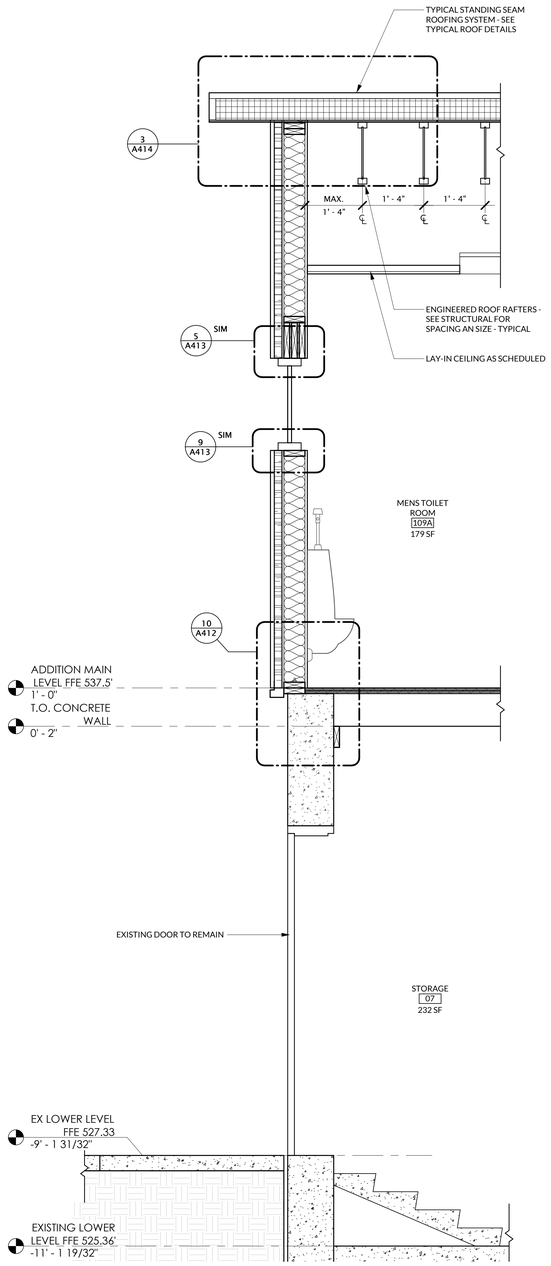
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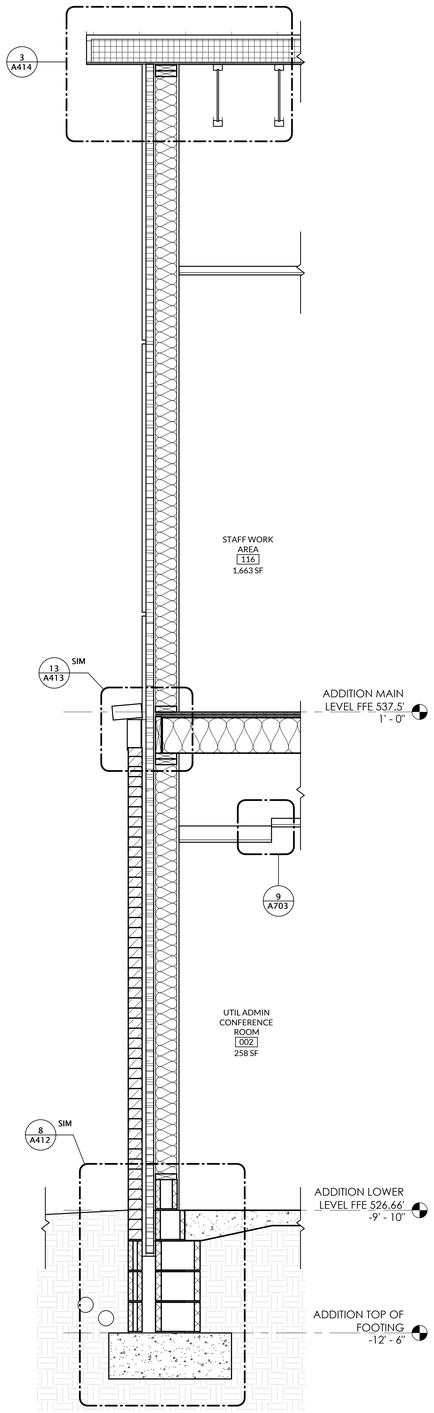
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EXTERIOR WALL SECTIONS

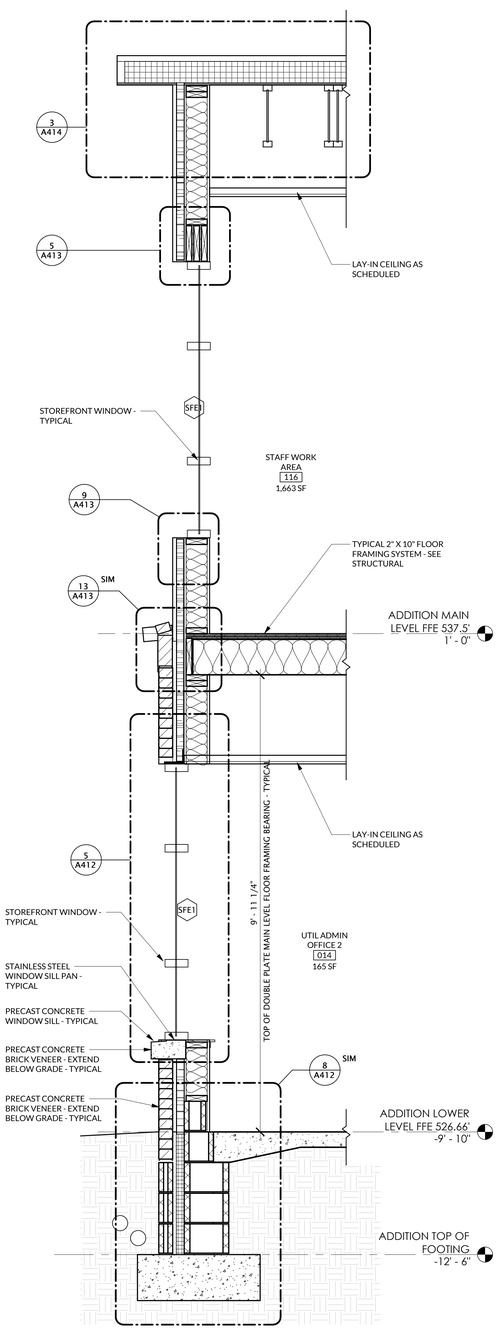
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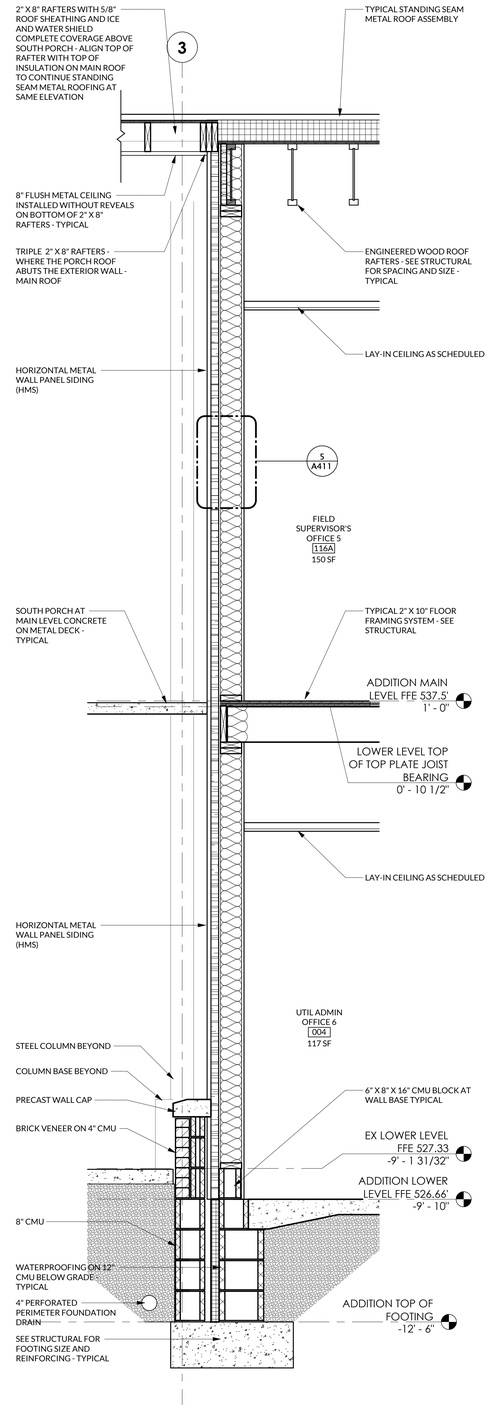
1 A410 **WALL SECTION - RENOVATION SOUTH WALL**
3/4" = 1'-0"



2 A410 **WALL SECTION - NEW ADDITION SOUTH WALL**
3/4" = 1'-0"



3 A410 **NEW ADDITION NORTH WALL SECTION**
3/4" = 1'-0"



4 A410 **WALL SECTION - HORIZONTAL PANEL WALL AT SOUTH EXT STAIR**
3/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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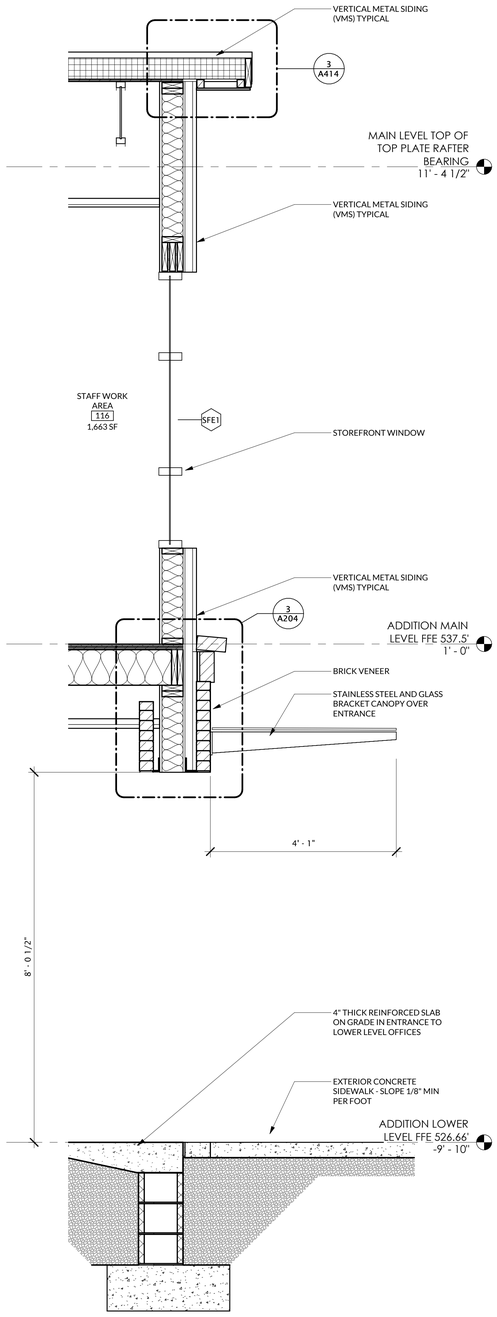
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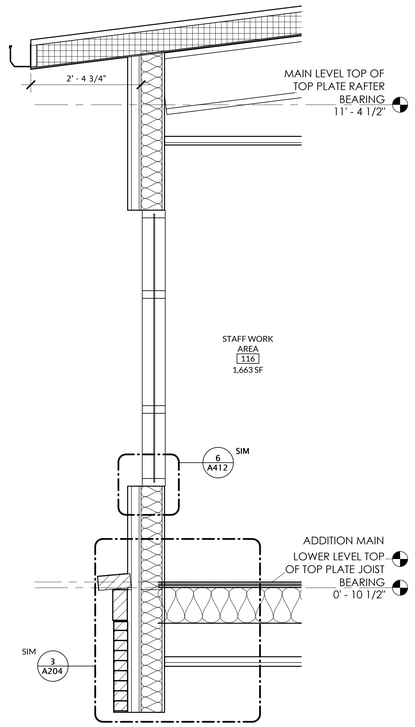
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EXTERIOR WALL SECTIONS

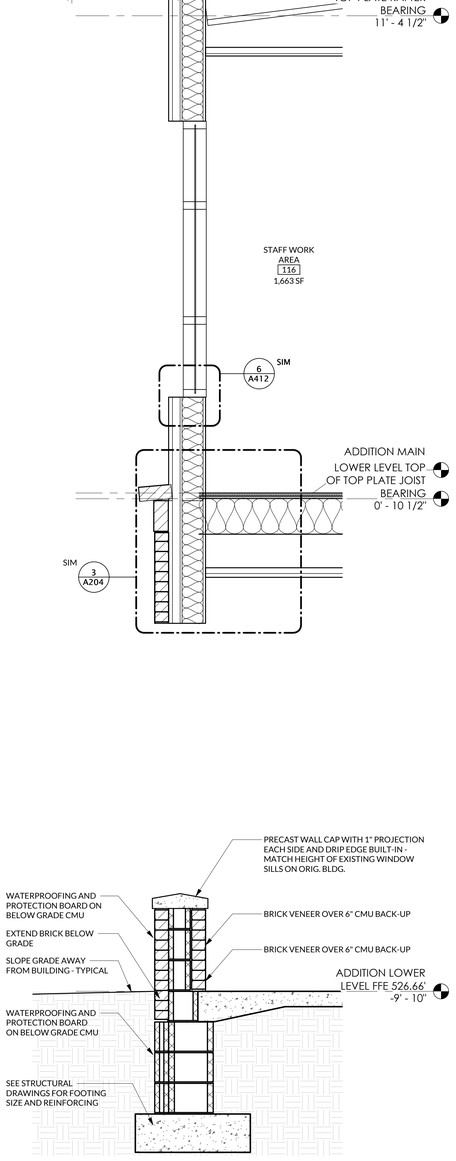
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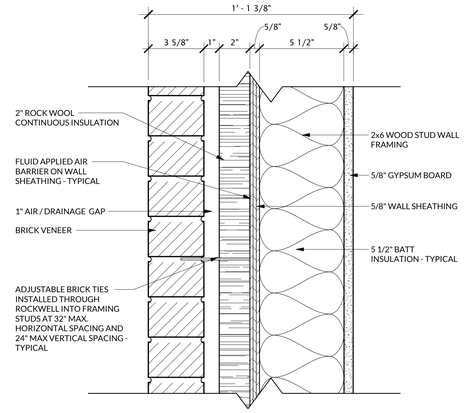


1 A411 **WALL SECTION- SOUTH WALL AT NEW LOW ROOF & ENTRY**
3/4" = 1'-0"

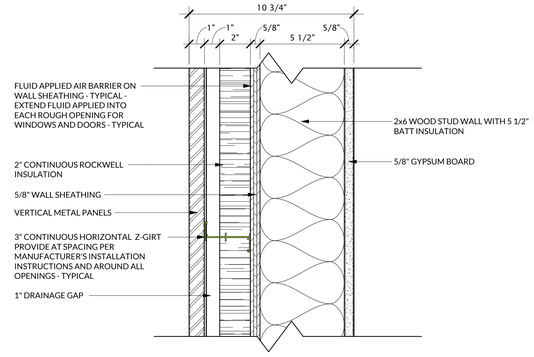


2 A411 **NEW ADDITION EAST WALL SECTION AT ENTRY**
3/4" = 1'-0"

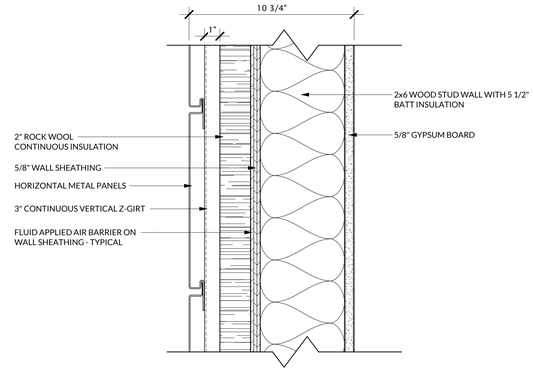




3 A411 **SECTION DETAIL - TYPICAL BRICK WALL ASSEMBLY**
3" = 1'-0"



4 A411 **SECTION DETAIL - TYPICAL VERTICAL METAL PANEL WALL ASSEMBLY**
3" = 1'-0"



5 A411 **SECTION DETAIL - TYPICAL HORIZONTAL METAL PANEL WALL ASSEMBLY**
3" = 1'-0"

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12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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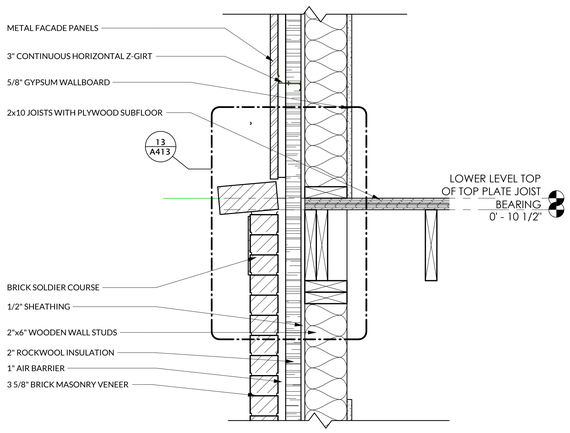
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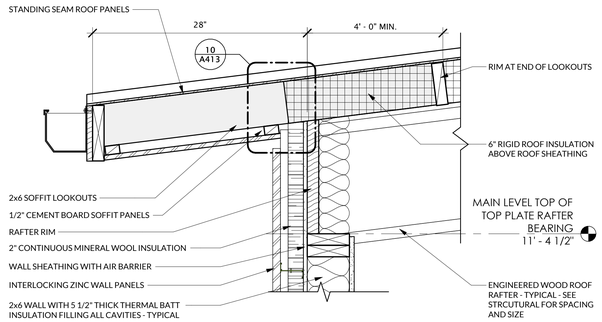
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EXTERIOR WALL SECTIONS

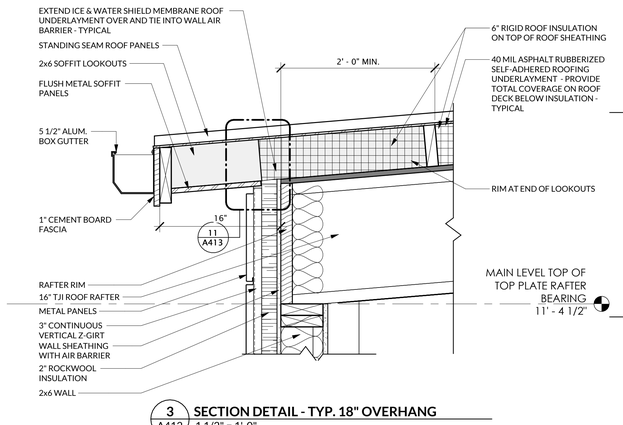
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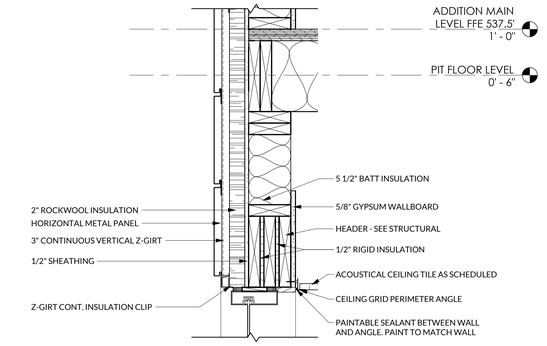
1 A412 — SECTION DETAIL - BRICK & METAL WALL PANEL TRANSITION
1 1/2" = 1'-0"



2 A412 — SECTION DETAIL - TYP. 28" OVERHANG
1 1/2" = 1'-0"



3 A412 — SECTION DETAIL - TYP. 18" OVERHANG
1 1/2" = 1'-0"



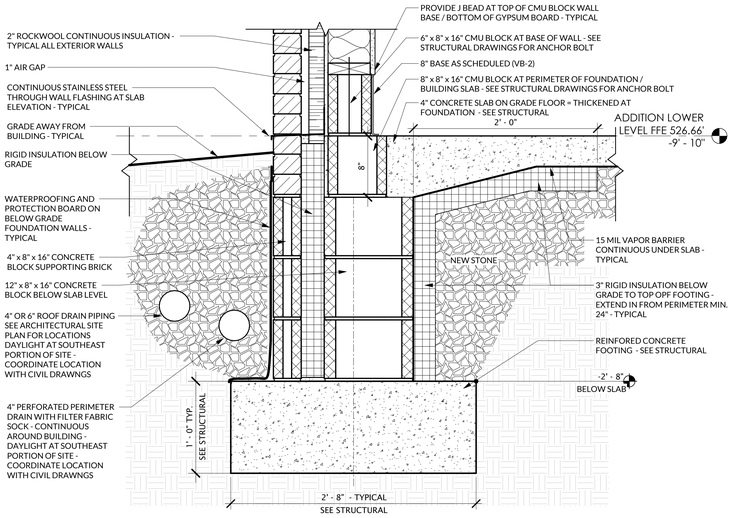
4 A412 — SECTION DETAIL - WINDOW HEAD @ HORIZONTAL METAL PANEL
1 1/2" = 1'-0"



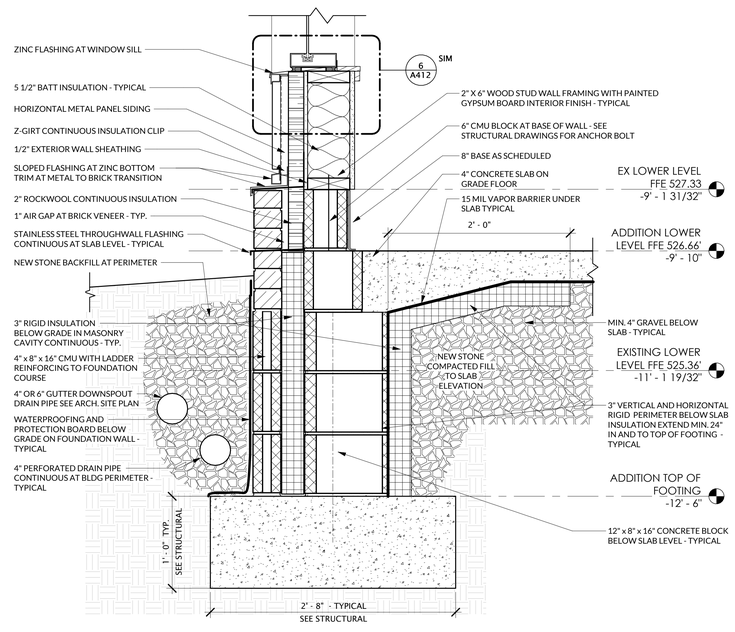
7 A412 — SECTION DETAIL - STEEL WINDOW AT EXISTING WALL - TYP.
1 1/2" = 1'-0"

5 A412 — SECTION DETAIL - STOREFRONT WINDOW @ BRICK
1 1/2" = 1'-0"

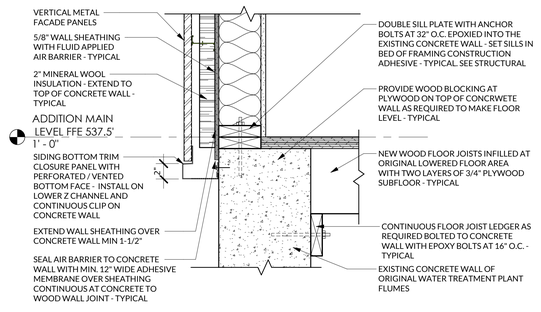
6 A412 — SECTION DETAIL - WINDOW SILL @ HORIZONTAL METAL PANEL
1 1/2" = 1'-0"



8 A412 — TYPICAL FOUNDATION/FOOTING SECTION DETAIL
1 1/2" = 1'-0"



9 A412 — SECTION DETAIL - FOUNDATION @ HORIZONTAL METAL PANELS
1 1/2" = 1'-0"



10 A412 — SECTION DETAIL - METAL WALL PANELS AT EXISTING CONCRETE WALL
1 1/2" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

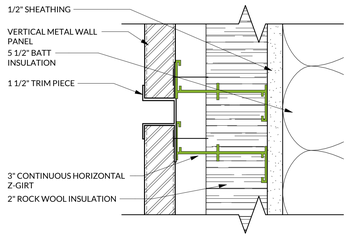
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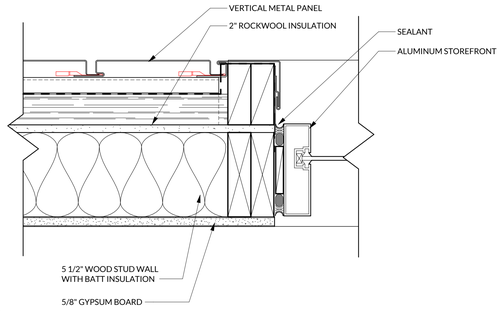
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WALL SECTION DETAILS

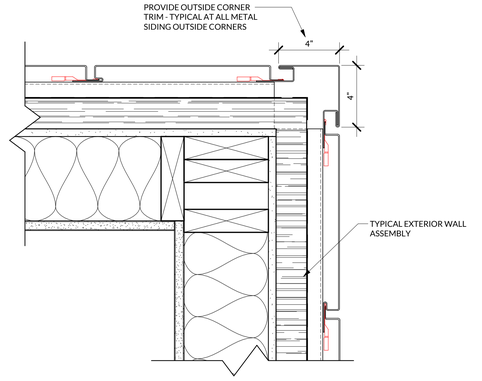
A412



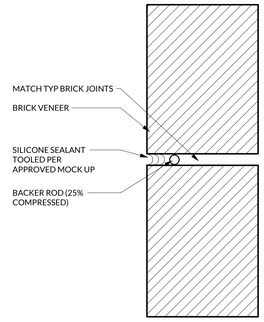
1 A413 — SECTION DETAIL - HORIZONAL REVEAL @ VERTICAL PANEL
6" = 1'-0"



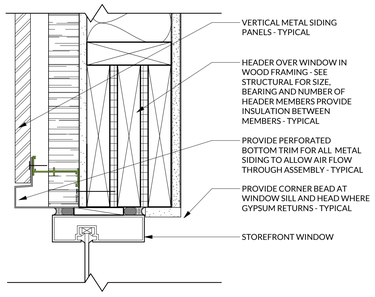
2 A413 — PLAN DETAIL - VERTICAL METAL PANEL AT WINDOW JAMB
3" = 1'-0"



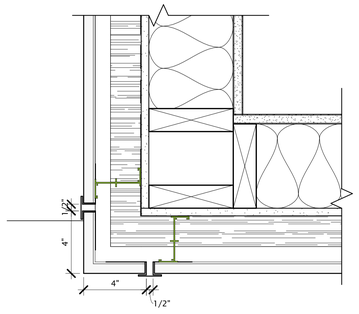
3 A413 — PLAN DETAIL - VERTICAL METAL PANEL CORNER
3" = 1'-0"



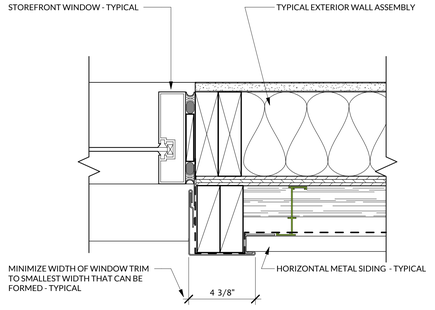
4 A413 — TYP. BRICK CONTROL JOINT
6" = 1'-0"



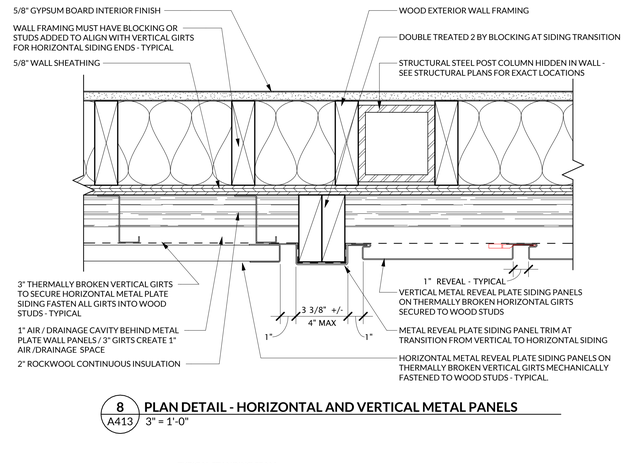
5 A413 — SECTION DETAIL - WINDOW HEAD @ VERTICAL METAL PANEL
3" = 1'-0"



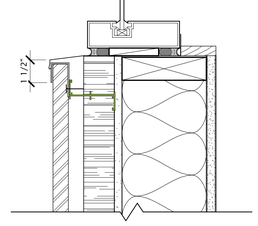
6 A413 — PLAN DETAIL - HORIZONTAL METAL PANEL CORNER
3" = 1'-0"



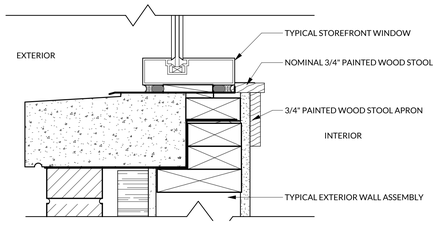
7 A413 — PLAN DETAIL - HORIZONTAL METAL PANEL AT WINDOW JAMB
3" = 1'-0"



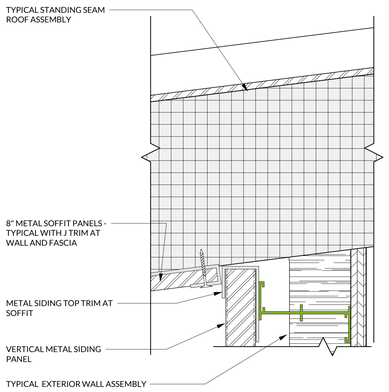
8 A413 — PLAN DETAIL - HORIZONTAL AND VERTICAL METAL PANELS
3" = 1'-0"



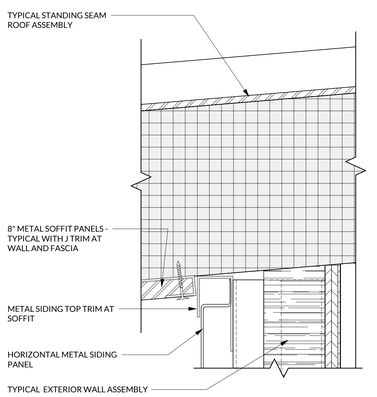
9 A413 — SECTION DETAIL - WINDOW SILL @ VERTICAL METAL PANEL
3" = 1'-0"



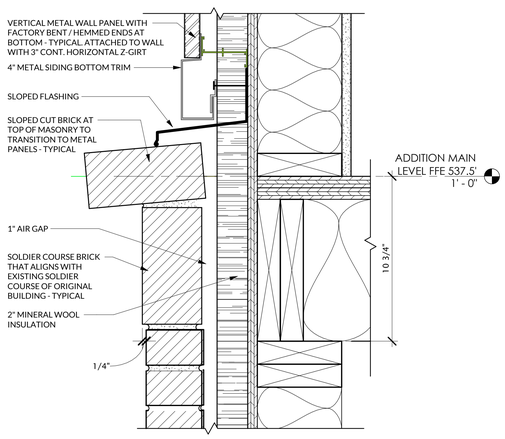
12 A413 — SECTION DETAIL - WINDOW SILL TRIM TYPICAL
3" = 1'-0"



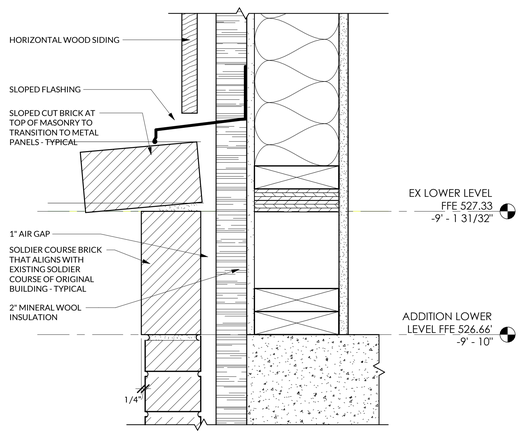
10 A413 — SECTION DETAIL - VERTICAL METAL WALL PANEL AT ROOF SOFFIT
6" = 1'-0"



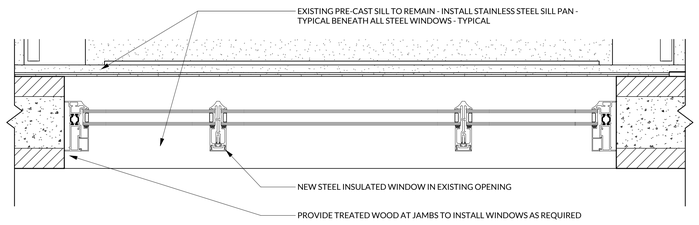
11 A413 — SECTION DETAIL - HORIZONTAL METAL WALL PANEL AT ROOF SOFFIT
6" = 1'-0"



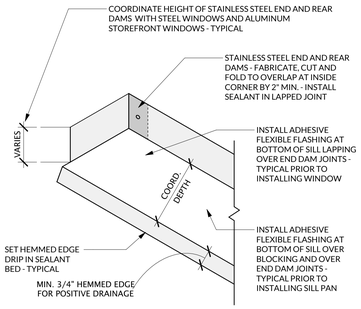
13 A413 — SECTION DETAIL - SOLDIER COURSE BRICK AT METAL PANEL
3" = 1'-0"



16 A413 — SECTION DETAIL - BRICK AT HORIZONTAL SIDING
3" = 1'-0"



14 A413 — PLAN DETAIL - NEW STEEL WINDOW
1 1/2" = 1'-0"



15 A413 — TYPICAL STAINLESS STEEL SILL PAN DETAIL
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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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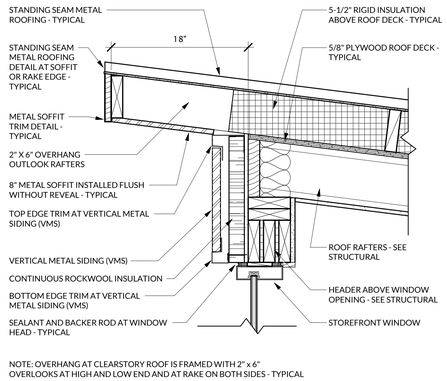
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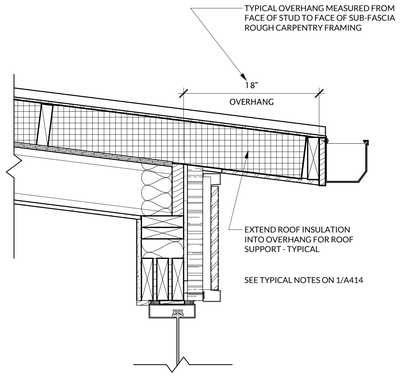
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WALL SECTION DETAILS

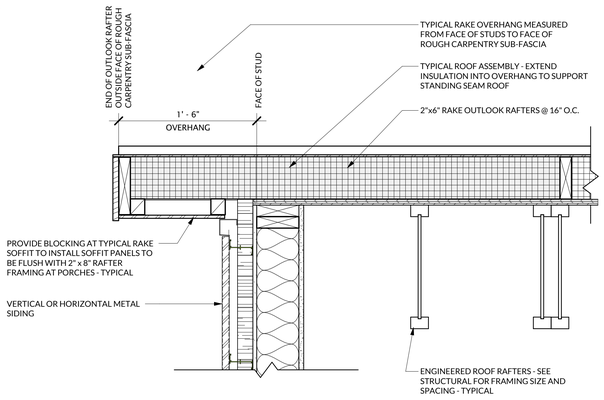
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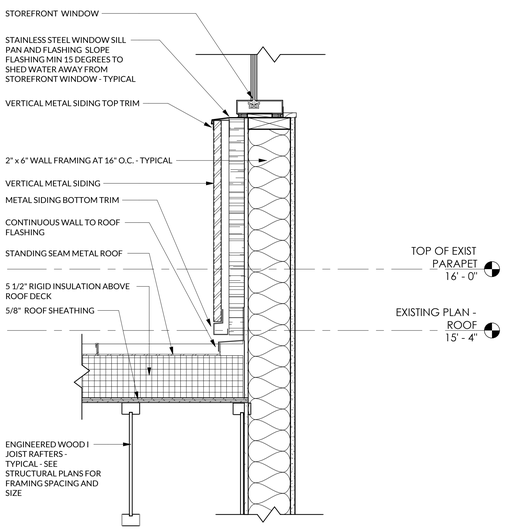
1 A414 SECTION DETAIL - CLERESTORY OVERHANG HIGH
1 1/2" = 1'-0"



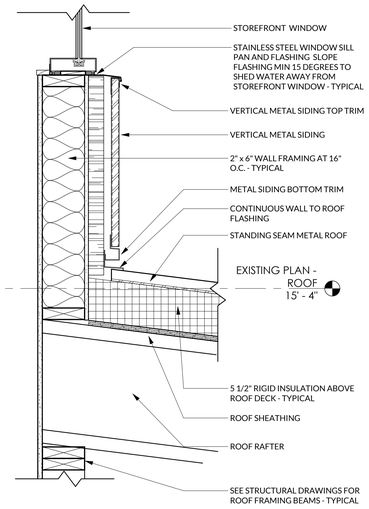
2 A414 SECTION DETAIL - CLERESTORY OVERHANG LOW
1 1/2" = 1'-0"



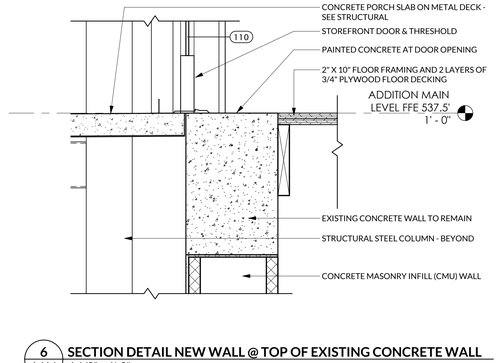
3 A414 SECTION DETAIL- TYPICAL RAKE SOFFIT
1 1/2" = 1'-0"



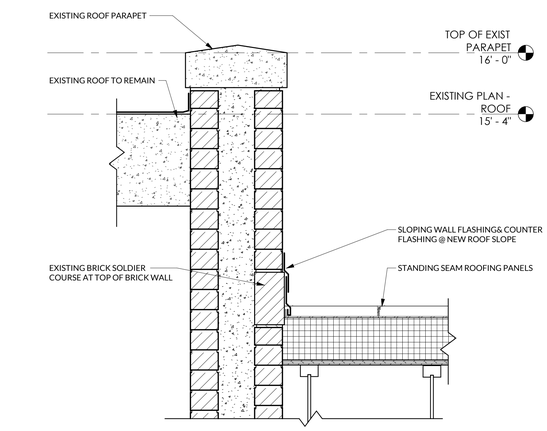
4 A414 SECTION DETAIL - CLERESTORY @ PITCHED ROOF
1 1/2" = 1'-0"



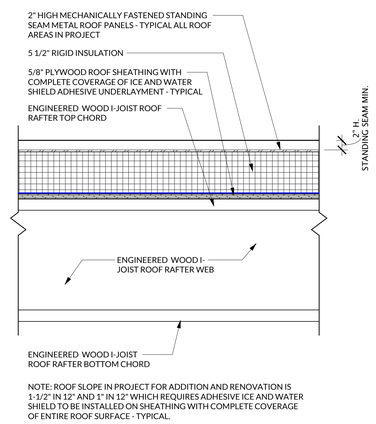
5 A414 SECTION DETAIL - CLERESTORY WALL @ LOW ROOF
1 1/2" = 1'-0"



6 A414 SECTION DETAIL NEW WALL @ TOP OF EXISTING CONCRETE WALL
1 1/2" = 1'-0"

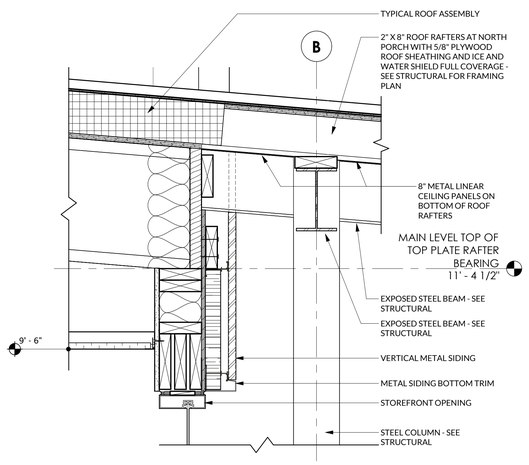


7 A414 SECTION DETAIL - ROOF FLASHING @ EXISTING BRICK WALL
1 1/2" = 1'-0"

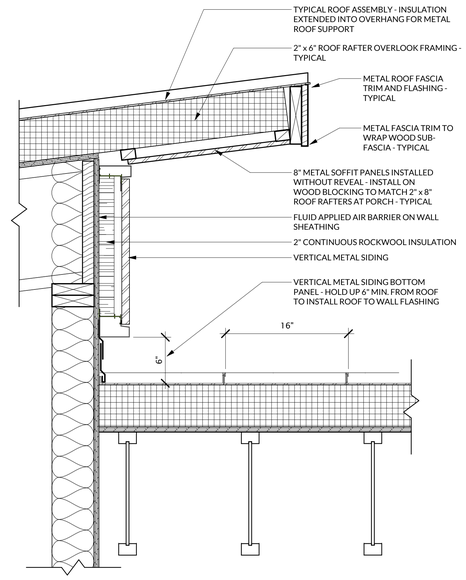


NOTE: ROOF SLOPE IN PROJECT FOR ADDITION AND RENOVATION IS 1-1/2" IN 12" AND 1" IN 12" WHICH REQUIRES ADHESIVE ICE AND WATER SHIELD TO BE INSTALLED ON SHEATHING WITH COMPLETE COVERAGE OF ENTIRE ROOF SURFACE - TYPICAL.

9 A414 SECTION DETAIL - TYPICAL ROOF ASSEMBLY
1 1/2" = 1'-0"



10 A414 SECTION DETAIL - ROOF AT EXTERIOR STAIR OVERHAND
1 1/2" = 1'-0"



11 A414 SECTION DETAIL - ROOF FLASHING @ METAL PANEL WALL
1 1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

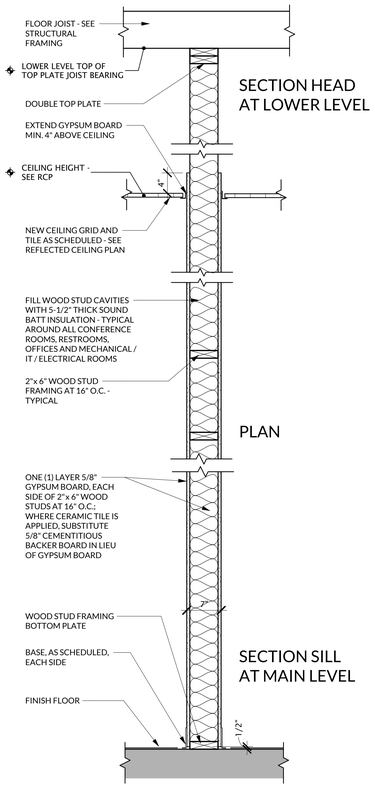
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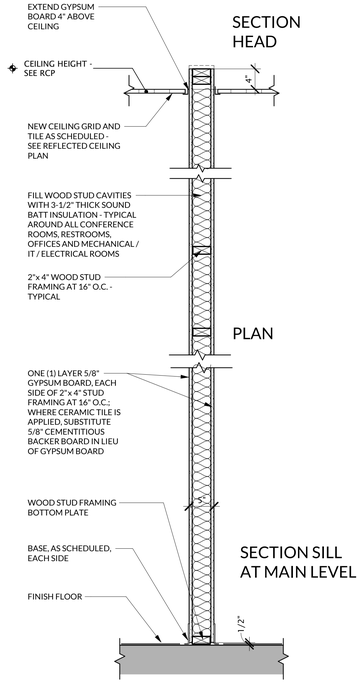
WALL SECTION DETAILS

A414



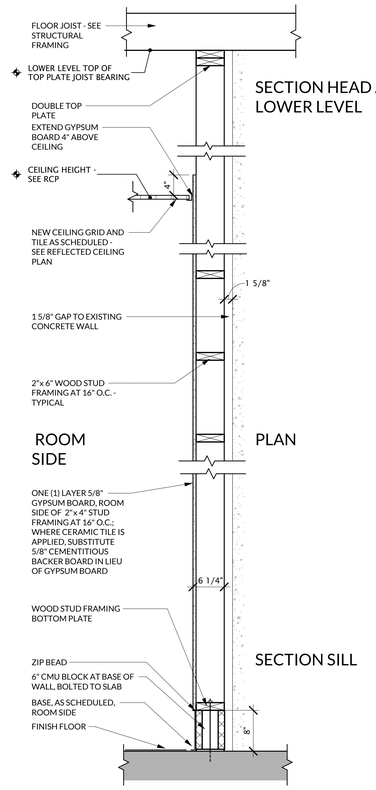
TYPE W6 - Load Bearing

W6: 6 7/8" STUD SIZE 5 1/2"



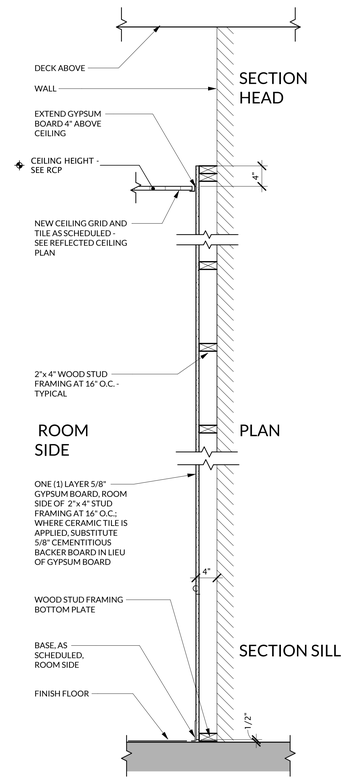
TYPE W4 - Partition

W4: 4 7/8" STUD SIZE 3 1/2"



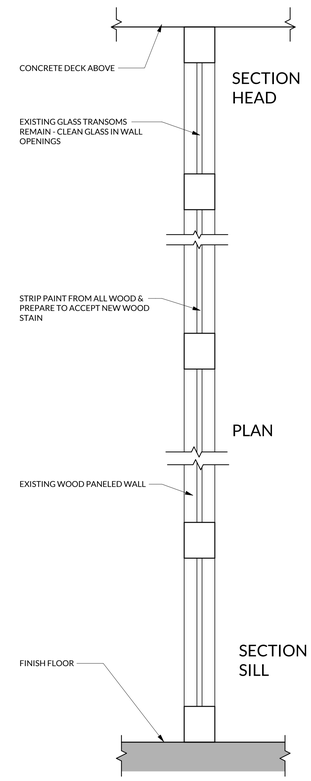
TYPE F6 - Furred

F6: 6 7/8" STUD SIZE 5 1/2"

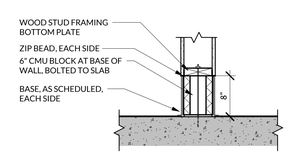


TYPE F4 - Furred

F4: 4 1/4" STUD SIZE 3 1/2"

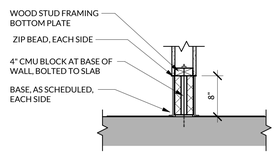


TYPE EW - Existing Wood



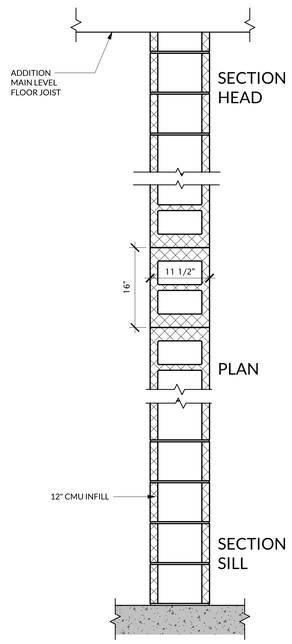
TYPE W6 - Load Bearing
LOWER LEVEL CONDITION

W6: 6 7/8" STUD SIZE 5 1/2"

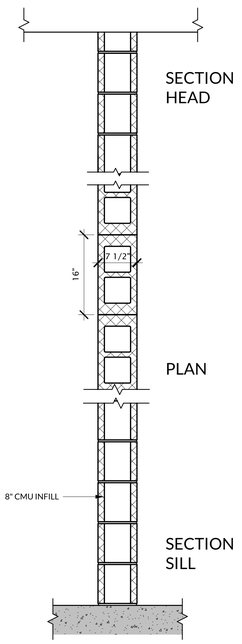


TYPE W4 - Partition
LOWER LEVEL CONDITION

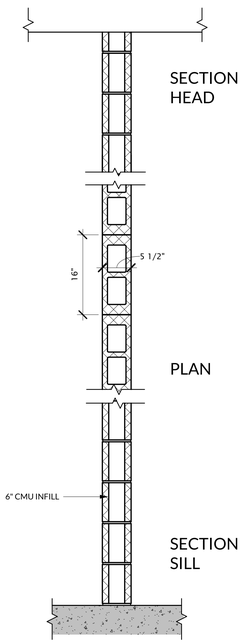
W4: 4 7/8" STUD SIZE 3 1/2"



TYPE C1



TYPE C8



TYPE C6

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12.19.2025

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Town of Hillsborough

Adron F. Thompson
Addition & Renovation

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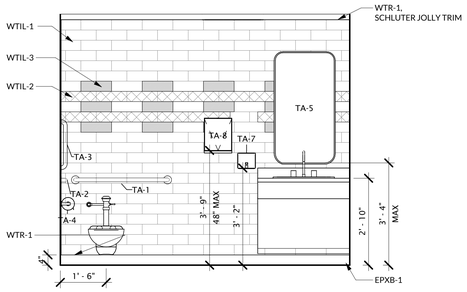
INTERIOR WALL TYPES
SECTIONS - ADDITION & RENO

A415

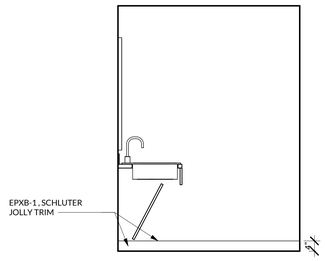
TOILET, BATH & LAUNDRY ACCESSORY SCHEDULE

Code	Item	Remarks
TA-1	Accessible Wall Mounted Grab Bar 36"	Provide blocking in wall.
TA-2	Accessible Wall Mounted Grab Bar 42"	Provide blocking in wall.
TA-3	Accessible Wall Mounted Vertical Grab Bar 18"	Provide blocking in wall.
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TA-9	Semi-Recessed Combination Paper Towel Roll Dispenser Waste Receptacle - Auto Dispensing Battery Operated	

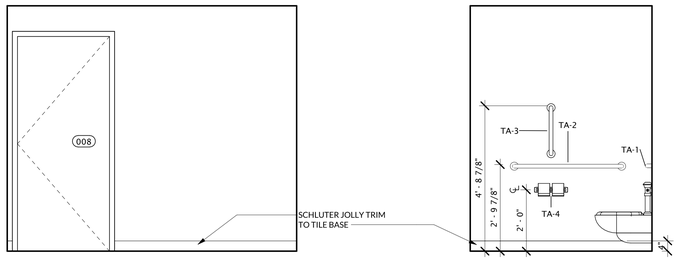
NOTE: NOT ALL TOILET BATH AND LAUNDRY ACCESSORIES SHOWN IN THIS SCHEDULE SEE SPECIFICATION SECTION 102800 FOR FULL LIST OF ACCESSORIES - TYPICAL



1 A501 **INTERIOR ELEVATION - ADMIN MEN'S TOILET NORTH**
1/2" = 1'-0"

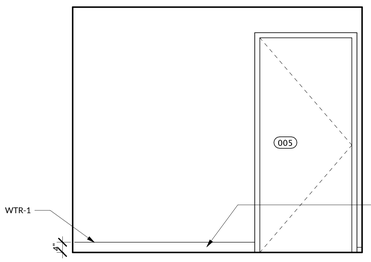


2 A501 **INTERIOR ELEVATION - ADMIN MEN'S TOILET EAST**
1/2" = 1'-0"

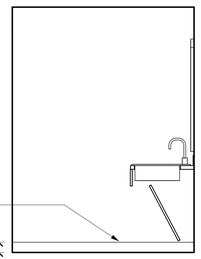


3 A501 **INTERIOR ELEVATION - ADMIN MEN'S TOILET SOUTH**
1/2" = 1'-0"

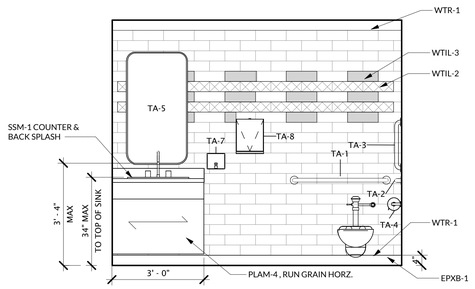
4 A501 **INTERIOR ELEVATION - ADMIN MEN'S TOILET WEST**
1/2" = 1'-0"



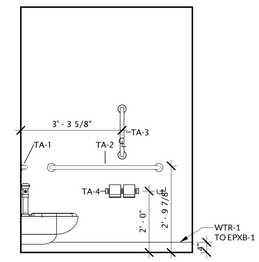
5 A501 **INTERIOR ELEVATION - ADMIN WOMEN'S TOILET NORTH**
1/2" = 1'-0"



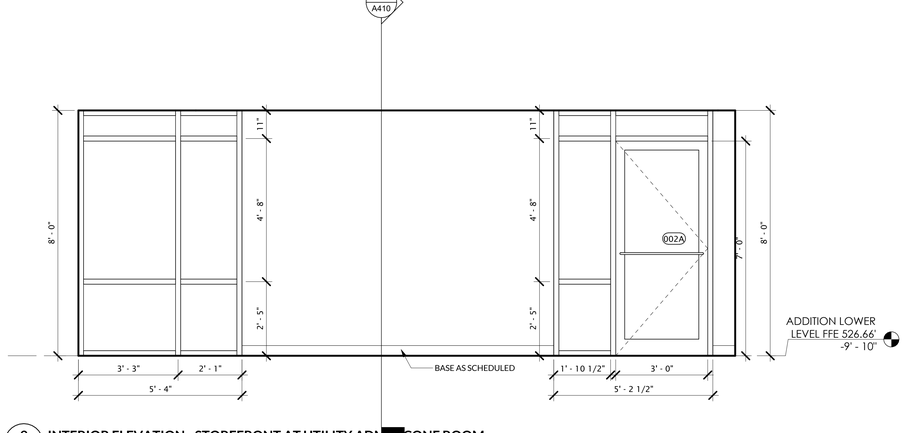
6 A501 **INTERIOR ELEVATION - ADMIN WOMEN'S TOILET EAST**
1/2" = 1'-0"



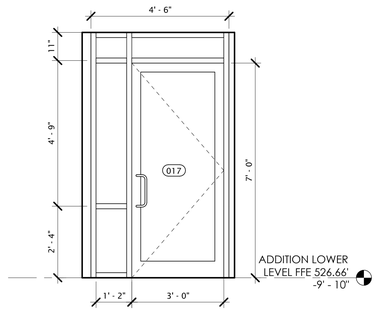
7 A501 **INTERIOR ELEVATION - ADMIN WOMEN'S TOILET SOUTH**
1/2" = 1'-0"



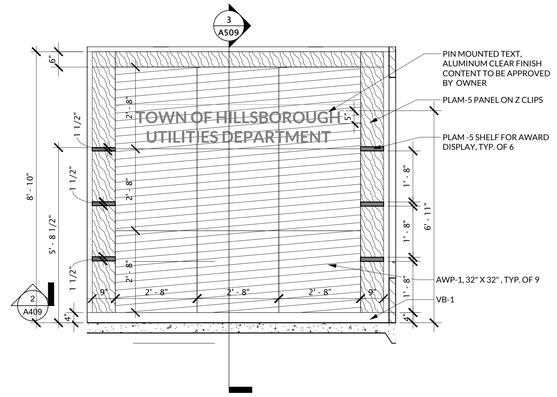
8 A501 **INTERIOR ELEVATION - ADMIN WOMEN'S TOILET WEST**
1/2" = 1'-0"



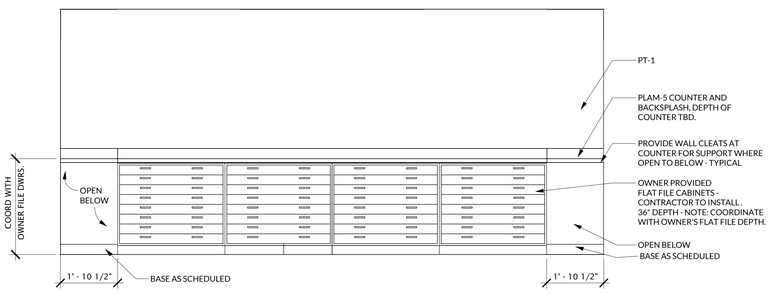
9 A501 **INTERIOR ELEVATION - STOREFRONT AT UTILITY ADMIN CONF ROOM**
1/2" = 1'-0"



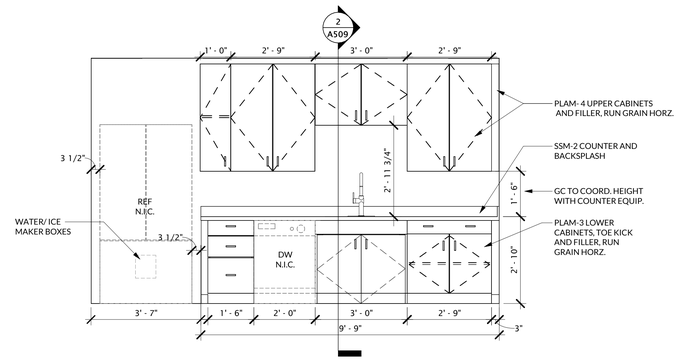
10 A501 **INTERIOR ELEVATION - STOREFRONT ENTRY AT UTILITY ADMIN LOBBY**
1/2" = 1'-0"



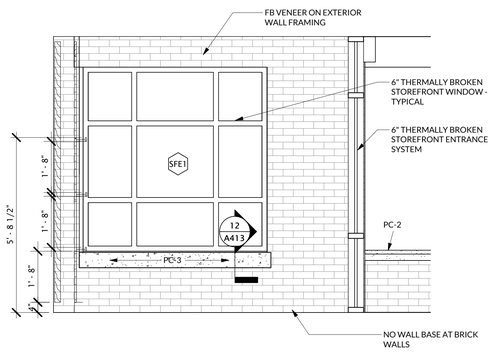
11 A501 **INTERIOR ELEVATION- UTIL. ADMIN LOBBY NORTH**
1/2" = 1'-0"



12 A501 **INTERIOR ELEVATION - UTIL ADMIN COPY/FILE ROOM 12**
1/2" = 1'-0"



13 A501 **INTERIOR ELEVATION- UTIL. ADMIN BREAKROOM WEST**
1/2" = 1'-0"



14 A501 **INTERIOR ELEVATION- UTIL. ADMIN LOBBY EAST**
1/2" = 1'-0"

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IN ASSOCIATION WITH:

PROFESSIONAL SEALS:

RND ARCHITECTS, PA — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 400 — NORTH CAROLINA — DURHAM, N.C.

DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

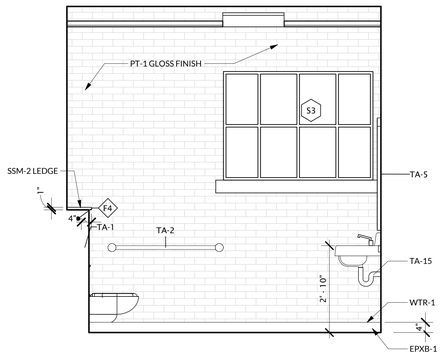
INTERIOR ELEVATIONS & CASEWORK - LOWER LEVEL

A501

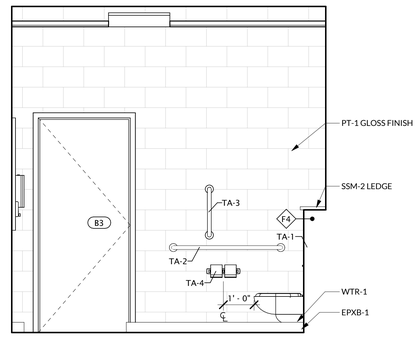
TOILET, BATH & LAUNDRY ACCESSORY SCHEDULE

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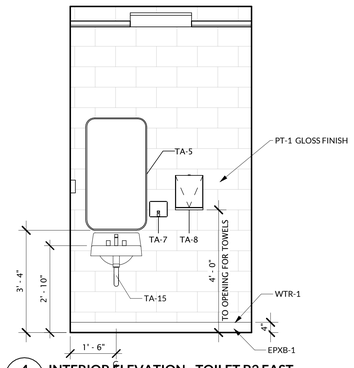
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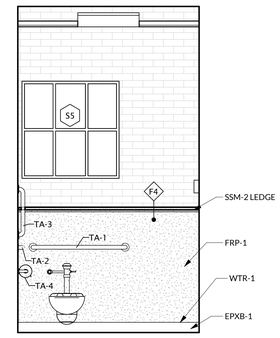
2 A502 **INTERIOR ELEVATION - TOILET B3 NORTH**
1/2" = 1'-0"



3 A502 **INTERIOR ELEVATION - TOILET B3 SOUTH**
1/2" = 1'-0"



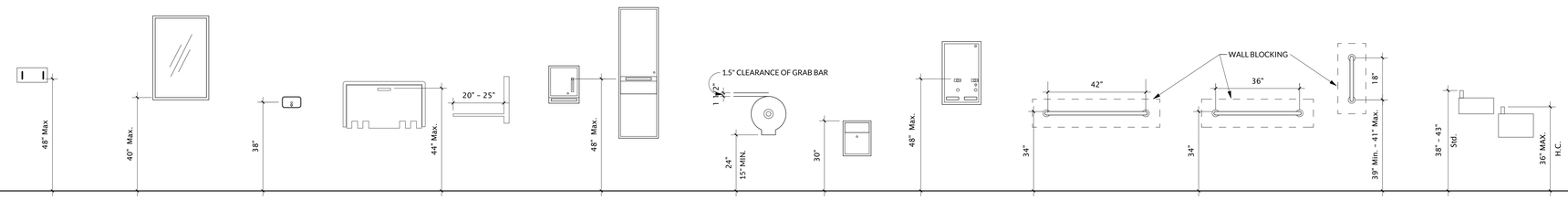
4 A502 **INTERIOR ELEVATION - TOILET B3 EAST**
1/2" = 1'-0"



5 A502 **INTERIOR ELEVATION - TOILET B3 WEST**
1/2" = 1'-0"

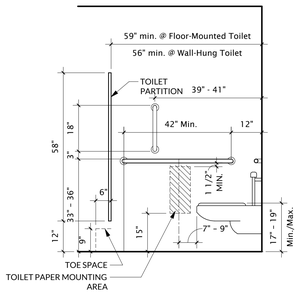
NOTE: THIS SHEET FOR REFERENCE ONLY REGARDING TYPICAL MOUNTING HEIGHTS. SOME ITEMS ON THIS SHEET MAY NOT APPEAR IN THE SCOPE OF WORK FOR THIS PARTICULAR PROJECT. SEE FLOOR PLANS, INTERIOR ELEVATIONS, AND SPECIFICATIONS FOR ITEMS INCLUDED IN PROJECT SCOPE.

TYPICAL TOILET ACCESSORIES MOUNTING HEIGHTS

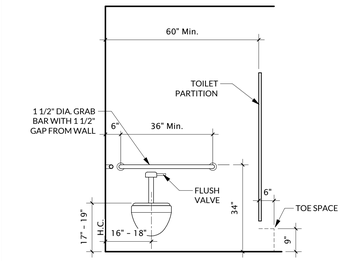


ROBE/ COAT HOOK | MIRROR | SOAP DISPENSER | BABY CHANGING STATION | PAPER TOWEL DISPENSERS | TOILET PAPER DISPENSER | SANITARY NAPKIN DISPOSAL | SANITARY NAPKIN DISPENSER | 42" GRAB BAR | 36" GRAB BAR | 18" GRAB BAR | DUAL HEIGHT DRINKING FOUNTAIN

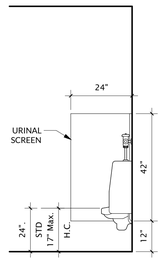
TYPICAL PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS



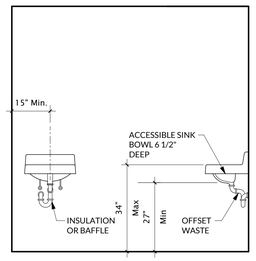
WATER CLOSET SIDE WALL



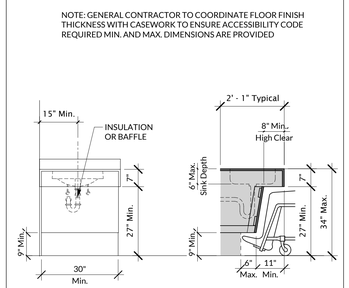
WATER CLOSET BACK WALL



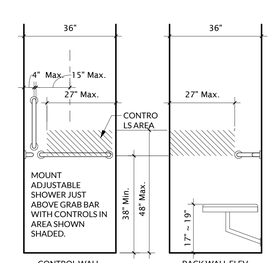
URINAL



WALL HUNG LAVATORY



ACCESSIBLE APRON COUNTERTOPS



TRANSFER SHOWER

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IN ASSOCIATION WITH:

PROFESSIONAL SEALS:

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dinmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North | Not to Scale

REVISIONS

No.	Date	Description

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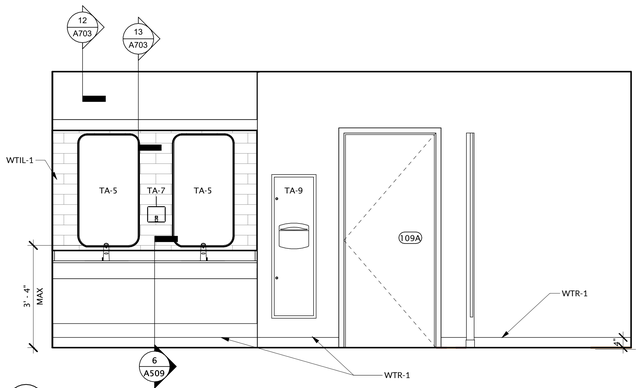
INTERIOR ELEVATIONS & CASEWORK - LOWER LEVEL

A502

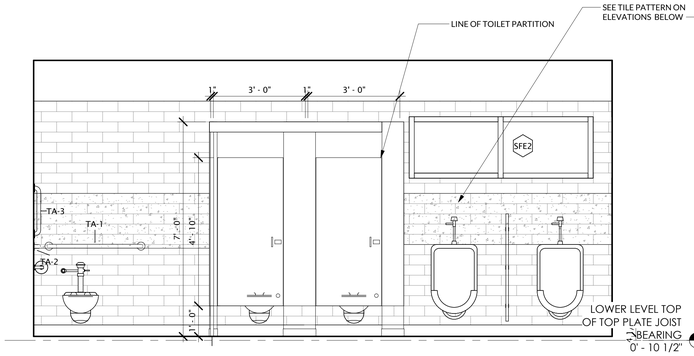
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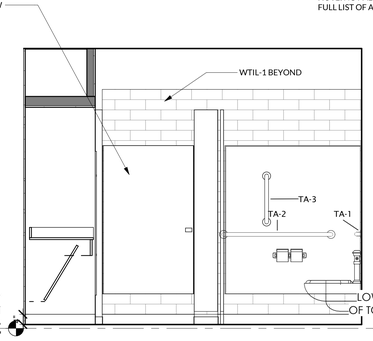
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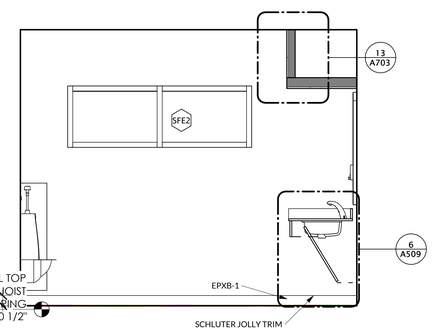
1 A503 **ELEVATION - MEN'S TOILET ROOM - NORTH**
1/2" = 1'-0"



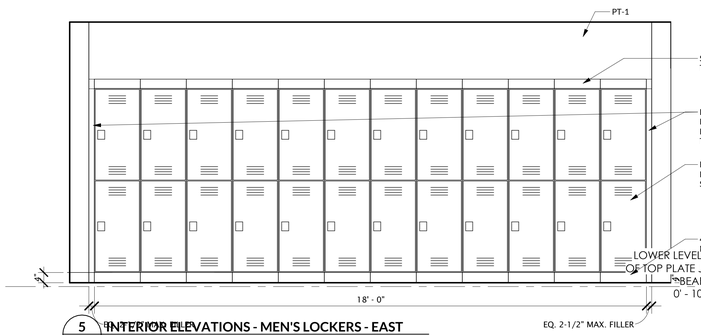
2 A503 **ELEVATION - MEN'S TOILET ROOM - SOUTH**
1/2" = 1'-0"



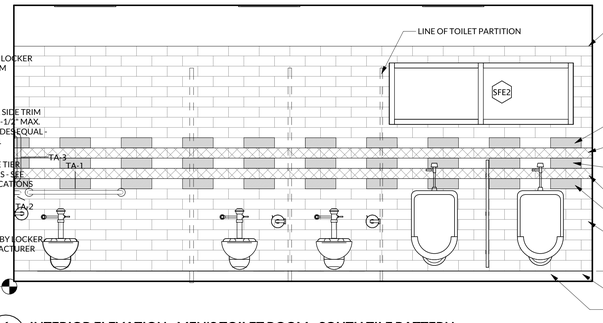
3 A503 **ELEVATION - MEN'S TOILET ROOM - EAST**
1/2" = 1'-0"



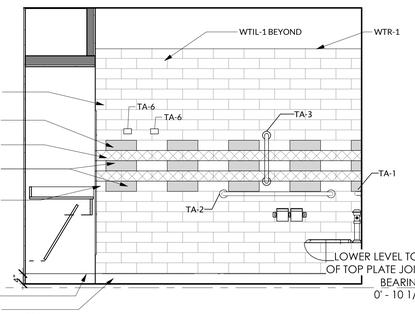
4 A503 **ELEVATION - MEN'S TOILET ROOM - WEST**
1/2" = 1'-0"



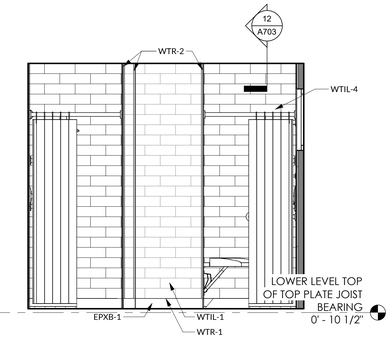
5 A503 **INTERIOR ELEVATIONS - MEN'S LOCKERS - EAST**
1/2" = 1'-0"



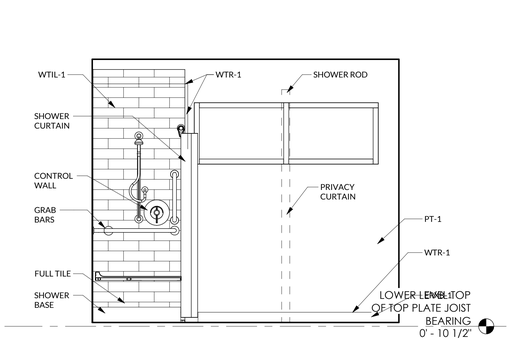
6 A503 **INTERIOR ELEVATION - MEN'S TOILET ROOM - SOUTH TILE PATTERN**
1/2" = 1'-0"



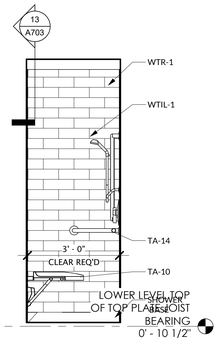
7 A503 **ELEVATION - MEN'S TOILET ROOM - EAST TILE PATTERN**
1/2" = 1'-0"



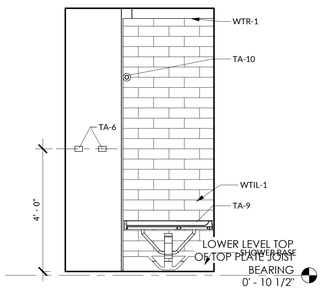
8 A503 **INTERIOR ELEVATION - MEN'S SHOWERS**
1/2" = 1'-0"



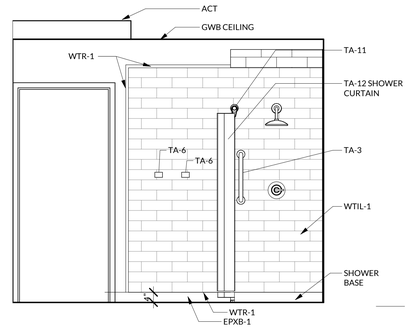
9 A503 **ACCESSIBLE TRANSFER SHOWER CONTROL WALL**
1/2" = 1'-0"



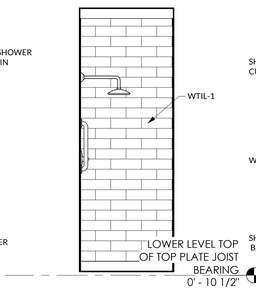
10 A503 **ACCESSIBLE TRANSFER SHOWER REAR WALL**
1/2" = 1'-0"



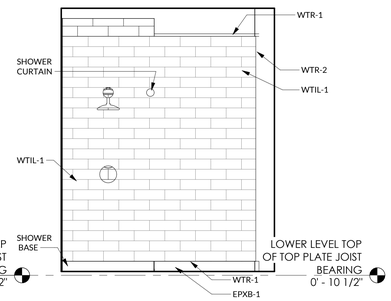
11 A503 **ACCESSIBLE TRANSFER SHOWER SEAT WALL**
1/2" = 1'-0"



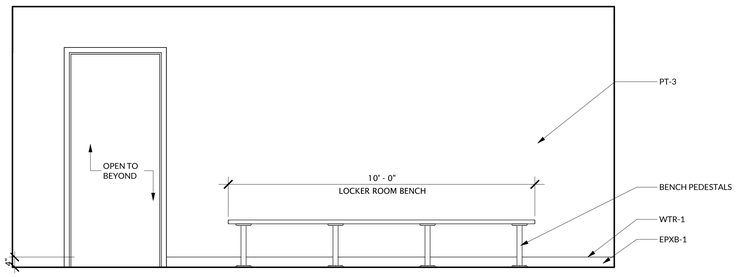
12 A503 **SHOWER CONTROL WALL**
1/2" = 1'-0"



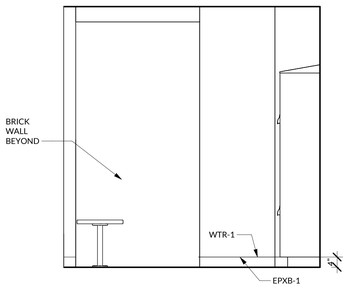
13 A503 **SHOWER REAR WALL**
1/2" = 1'-0"



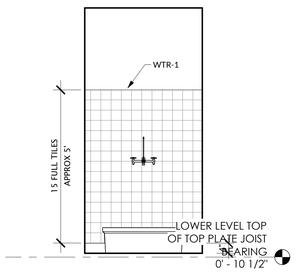
14 A503 **SHOWER SEAT WALL**
1/2" = 1'-0"



15 A503 **INTERIOR ELEVATIONS - MEN'S LOCKERS - WEST**
1/2" = 1'-0"



16 A503 **INTERIOR ELEVATIONS - LOCKERS - NORTH**
1/2" = 1'-0"



17 A503 **INTERIOR ELEVATION - EVS MOP SINK**
1/2" = 1'-0"

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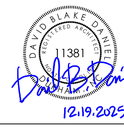
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PROFESSIONAL SEALS:





PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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2231.01	JSM	DBD	12.19.2025

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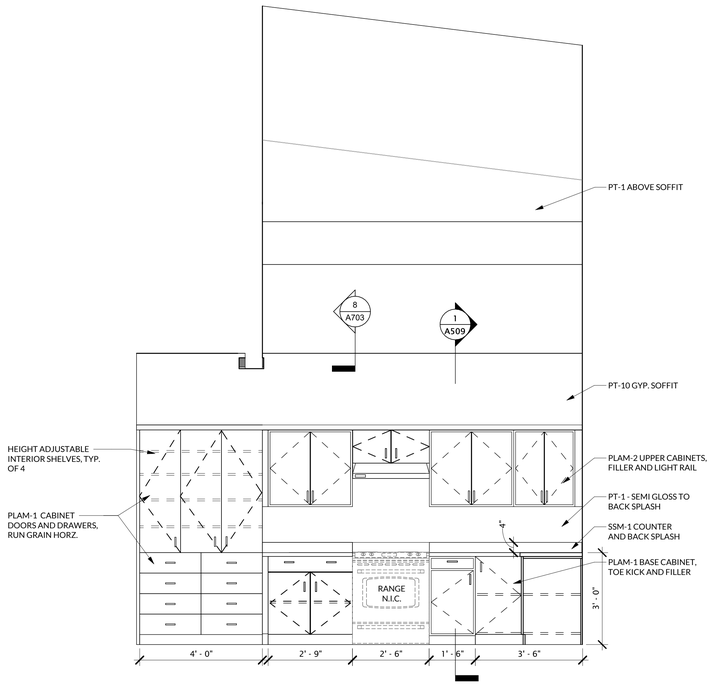
INTERIOR ELEVATIONS & CASEWORK - MAIN LEVEL

A503

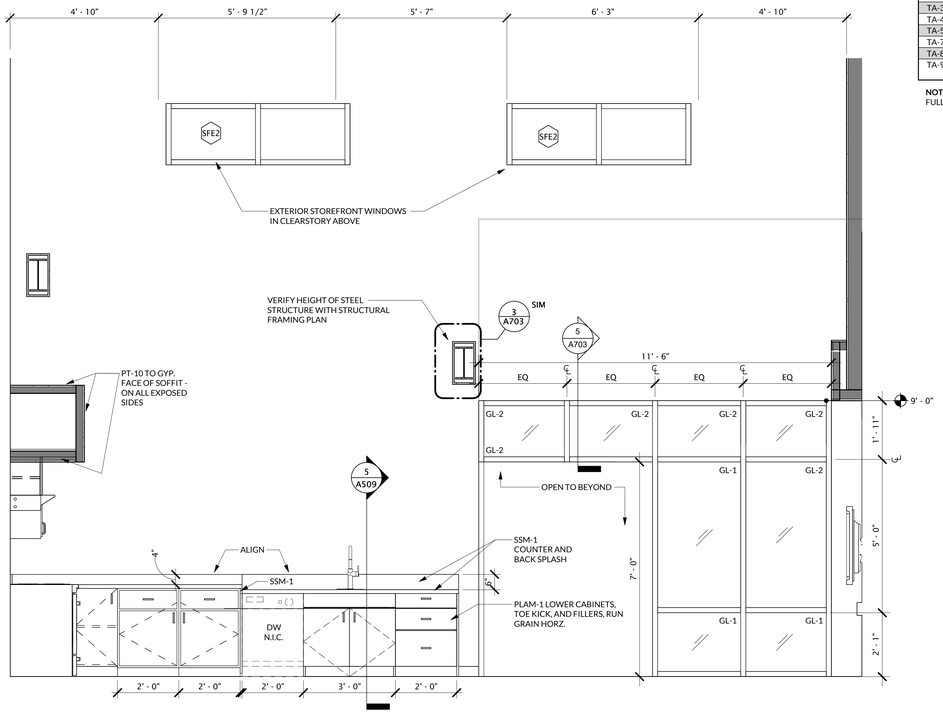
TOILET, BATH & LAUNDRY ACCESSORY SCHEDULE

Code	Item	Remarks
TA-1	Accessible Wall Mounted Grab Bar 36"	Provide blocking in wall.
TA-2	Accessible Wall Mounted Grab Bar 42"	Provide blocking in wall.
TA-3	Accessible Wall Mounted Vertical Grab Bar 18"	Provide blocking in wall.
TA-4	Toilet Tissue Dispenser	Provided by Owner - Installed by Contractor
TA-5	Framed mirror 24" x 36" rounded corners	
TA-7	Wall Mounted Liquid / Foam Soap Dispenser	Provided by Owner - Installed By Contractor
TA-8	Surface Mounted Paper Towel Dispenser - Tri-Fold Type Towels	
TA-9	Semi-Recessed Combination Paper Towel Roll Dispenser Waste Receptacle - Auto Dispensing Battery Operated	

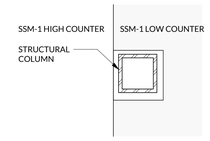
NOTE: NOT ALL TOILET , BATH AND LAUNDRY ACCESSORIES SHOWN IN THIS SCHEDULE SEE SPECIFICATION SECTION 102800 FOR FULL LIST OF ACCESSORIES - TYPICAL



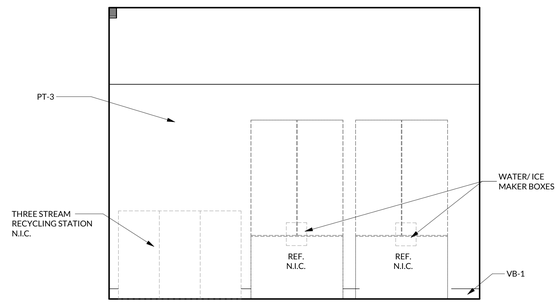
1 A504 **INTERIOR ELEVATION - KITCHEN - SOUTH**
1/2" = 1'-0"



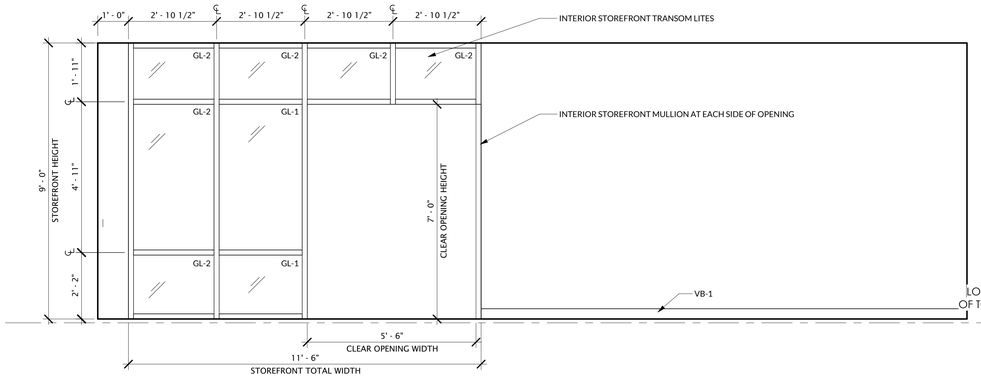
2 A504 **INTERIOR ELEVATION - KITCHEN - WEST**
1/2" = 1'-0"



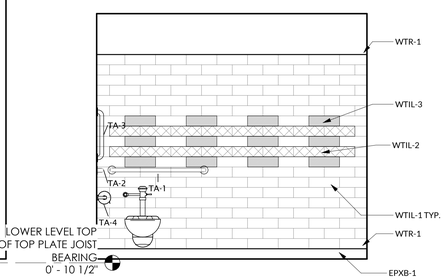
11 A504 **KITCHEN ISLAND COLUMN PLAN DETAIL**
1 1/2" = 1'-0"



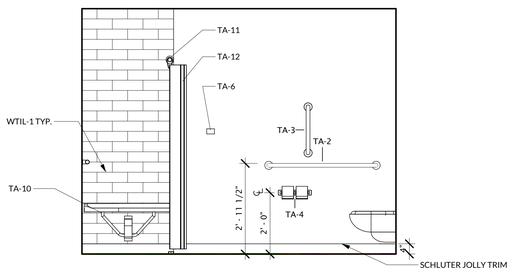
3 A504 **INTERIOR ELEVATION - KITCHEN - EAST**
1/2" = 1'-0"



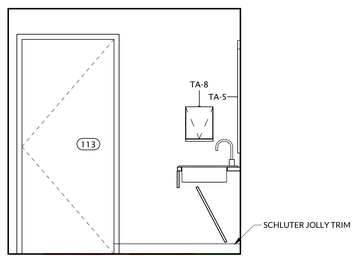
4 A504 **INTERIOR ELEVATION - CORRIDOR INTO BREAK AREA**
1/2" = 1'-0"



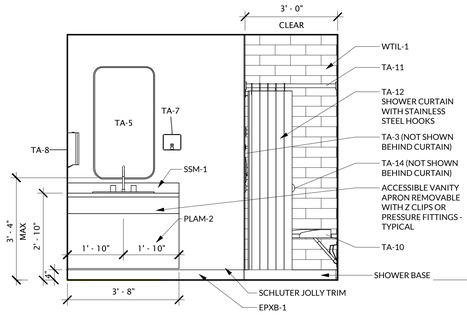
5 A504 **INTERIOR ELEVATION - SINGLE RESTROOM WEST**
1/2" = 1'-0"



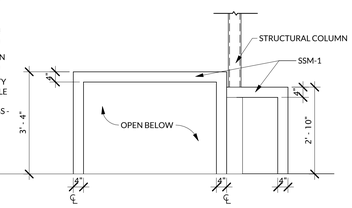
6 A504 **INTERIOR ELEVATION - SINGLE RESTROOM SOUTH**
1/2" = 1'-0"



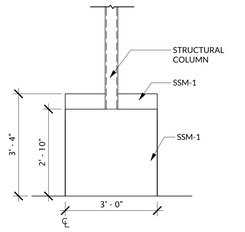
7 A504 **INTERIOR ELEVATION - SINGLE RESTROOM NORTH**
1/2" = 1'-0"



8 A504 **INTERIOR ELEVATION - SINGLE RESTROOM EAST**
1/2" = 1'-0"



9 A504 **KITCHEN ISLAND ELEVATION**
1/2" = 1'-0"



10 A504 **KITCHEN ISLAND SIDE ELEVATION**
1/2" = 1'-0"

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CERT. NO. 400
NORTH CAROLINA
DURHAM, N.C.

REGISTERED ARCHITECT
DAVID BLAKE DANIEL
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North
Not to Scale

REVISIONS

No.	Date	Description

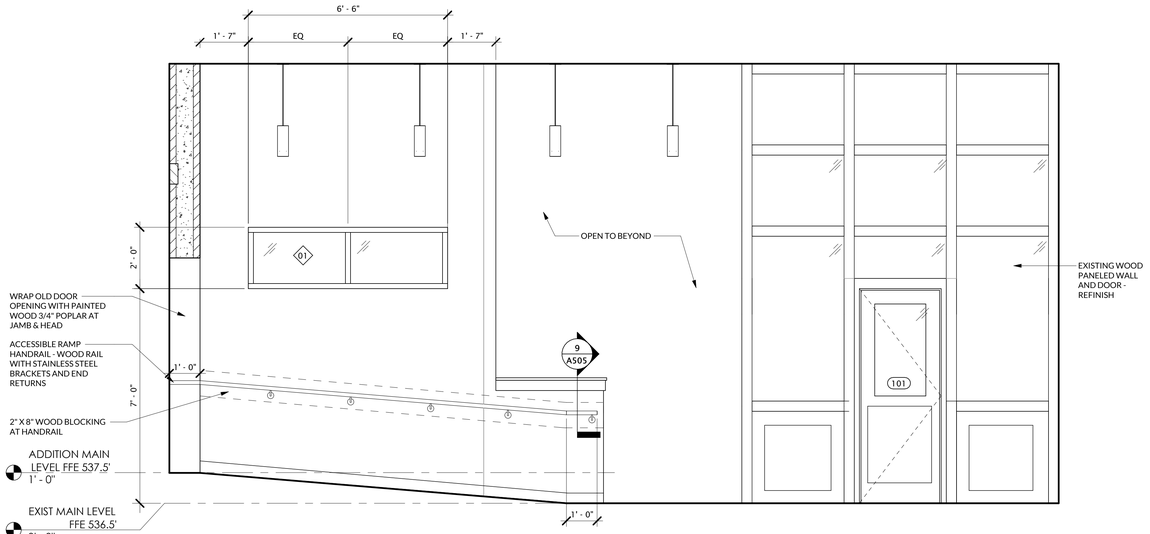
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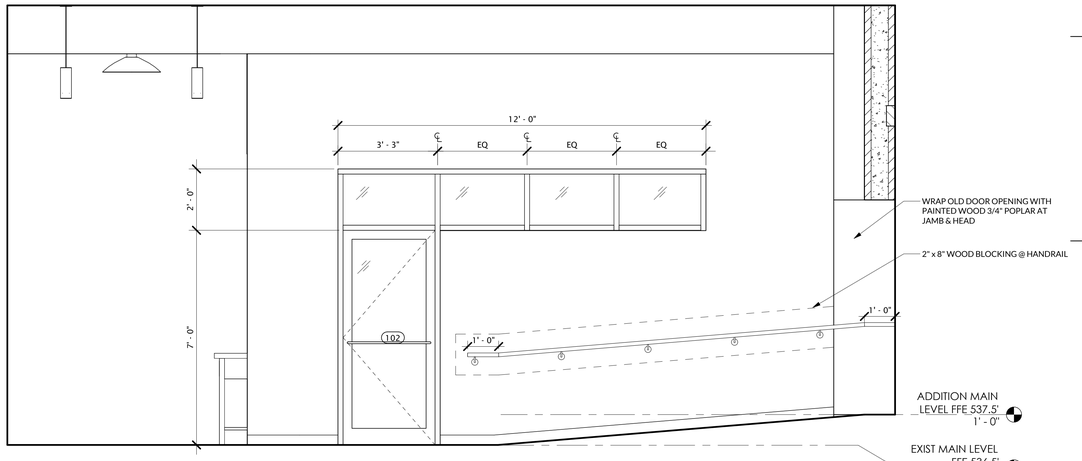
SHEET NAME:

INTERIOR ELEVATIONS & CASEWORK - MAIN LEVEL

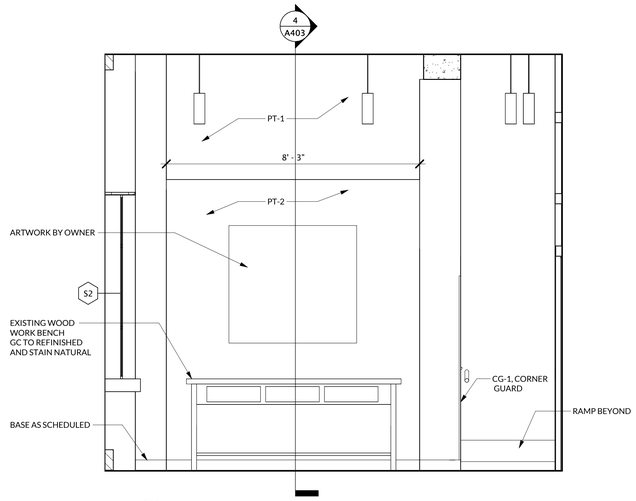
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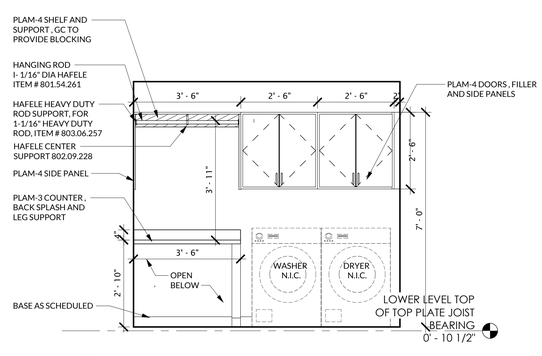
1 A505 INTERIOR ELEVATION - INTERIOR RAMP WEST
1/2" = 1'-0"



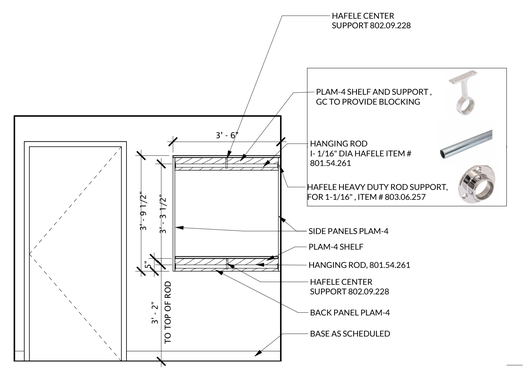
2 A505 INTERIOR ELEVATION - INTERIOR RAMP EAST
1/2" = 1'-0"



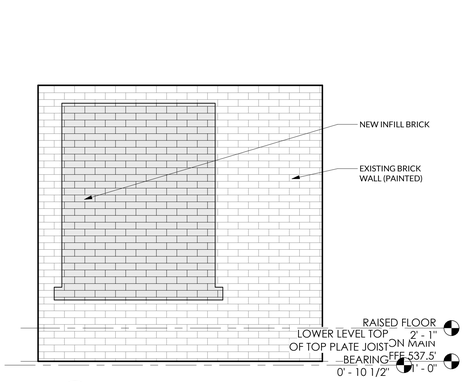
3 A505 INTERIOR ELEVATION - MAIN ENTRY
1/2" = 1'-0"



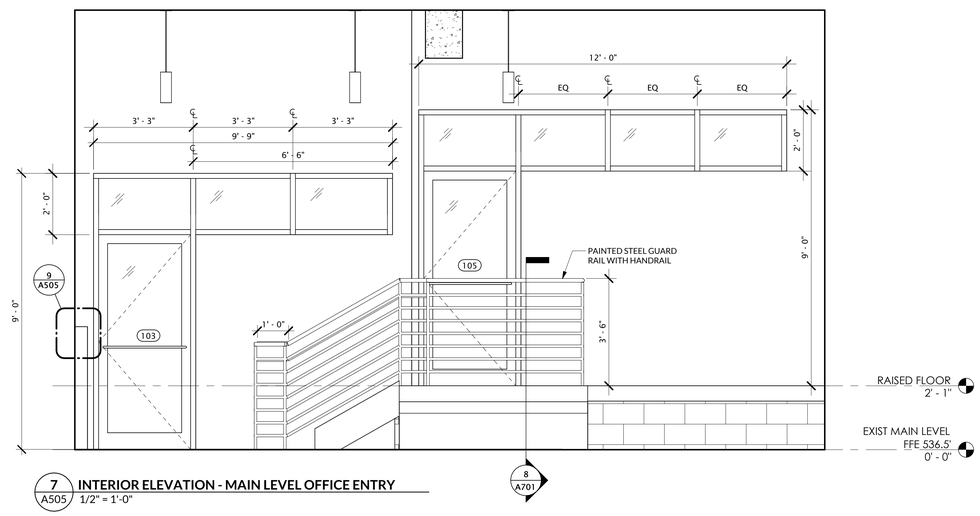
4 A505 INTERIOR ELEVATION - LAUNDRY ROOM WEST
1/2" = 1'-0"



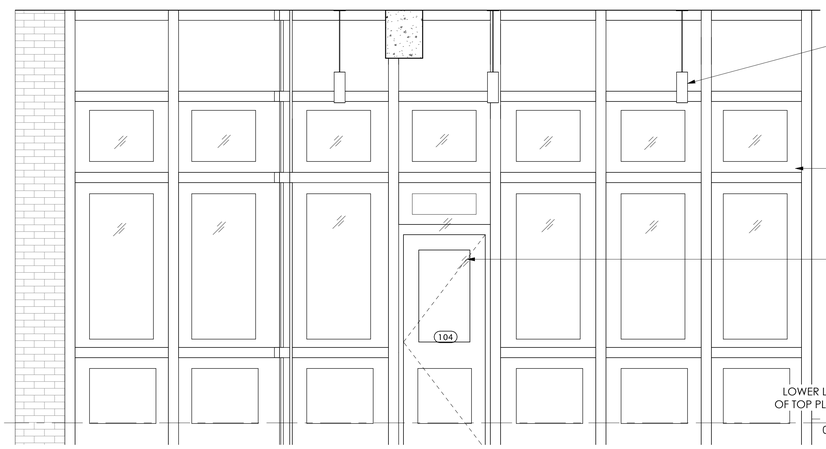
5 A505 INTERIOR ELEVATION - LAUNDRY 111 EAST
1/2" = 1'-0"



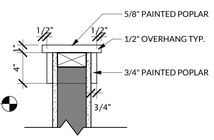
6 A505 INTERIOR ELEVATION - NEW BRICK INFILL
1/2" = 1'-0"



7 A505 INTERIOR ELEVATION - MAIN LEVEL OFFICE ENTRY
1/2" = 1'-0"



8 A505 INTERIOR ELEVATION OFFICE 1 & 2 SOUTH
1/2" = 1'-0"



9 A505 SECTION DETAIL - WOOD TOP CAP @ LOW WALL
1 1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 13811 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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2231.01	JSM	DBD	12.19.2025

SHEET NAME:

INTERIOR ELEVATIONS & CASEWORK - MAIN LEVEL

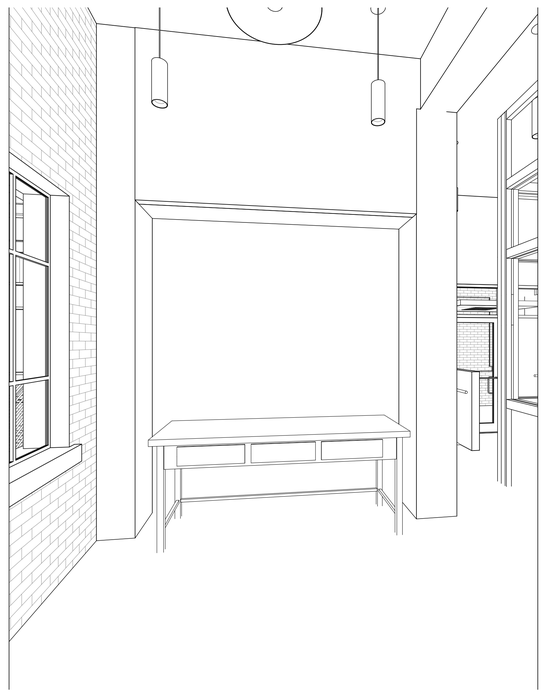
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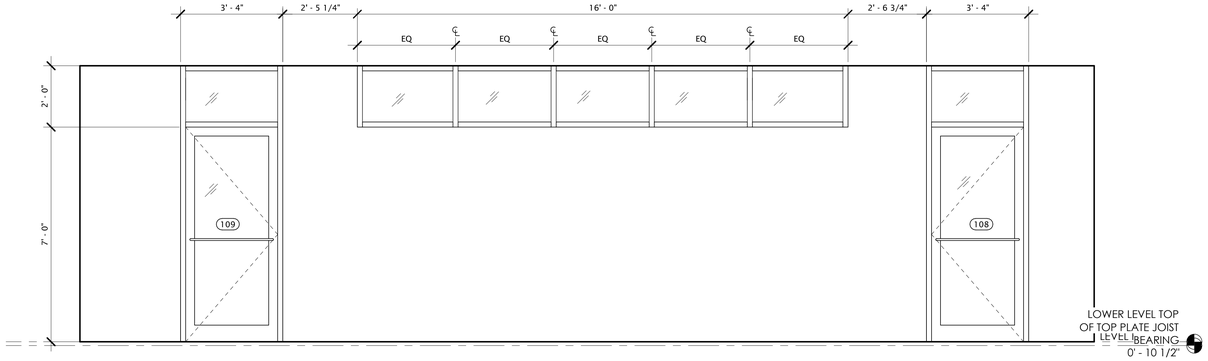
1 A506 **3D VIEW - KITCHEN 112 - SOUTHWEST**



2 A506 **3D VIEW - KITCHEN 112 - SOUTHEAST**



3 A506 **3D VIEW - MAIN LEVEL ENTRY - LOBBY 100 - SOUTH**



4 A506 **INTERIOR ELEVATION - CORRIDOR 110 WEST WALL @ LOCKER ROOM**
1/2" = 1'-0"

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DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

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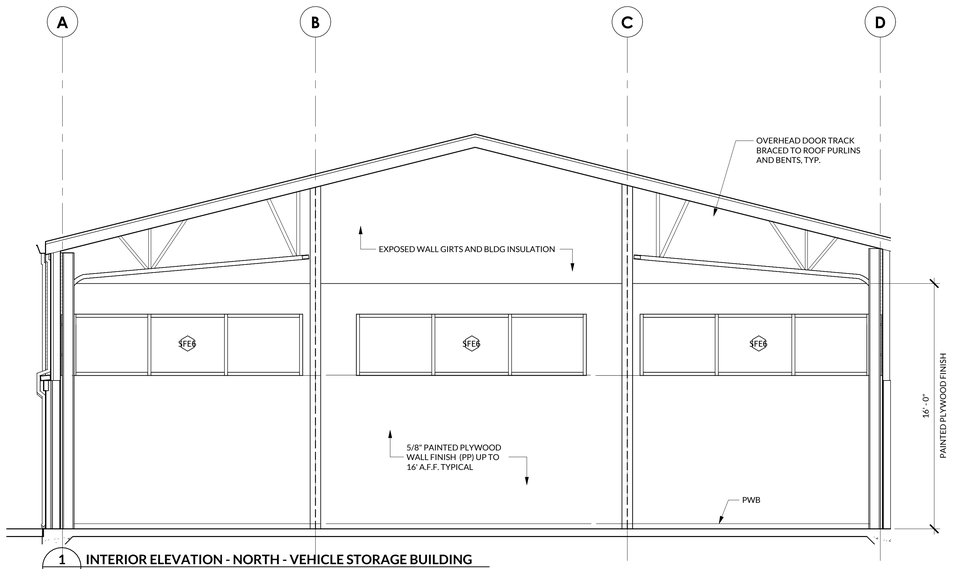
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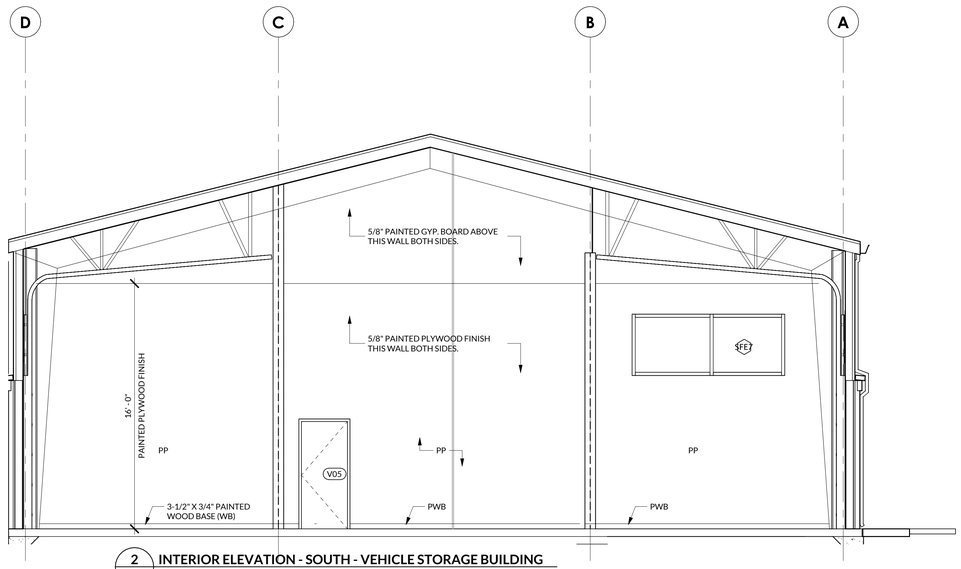
SHEET NAME:

INTERIOR ELEVATIONS AND 3-D VIEWS

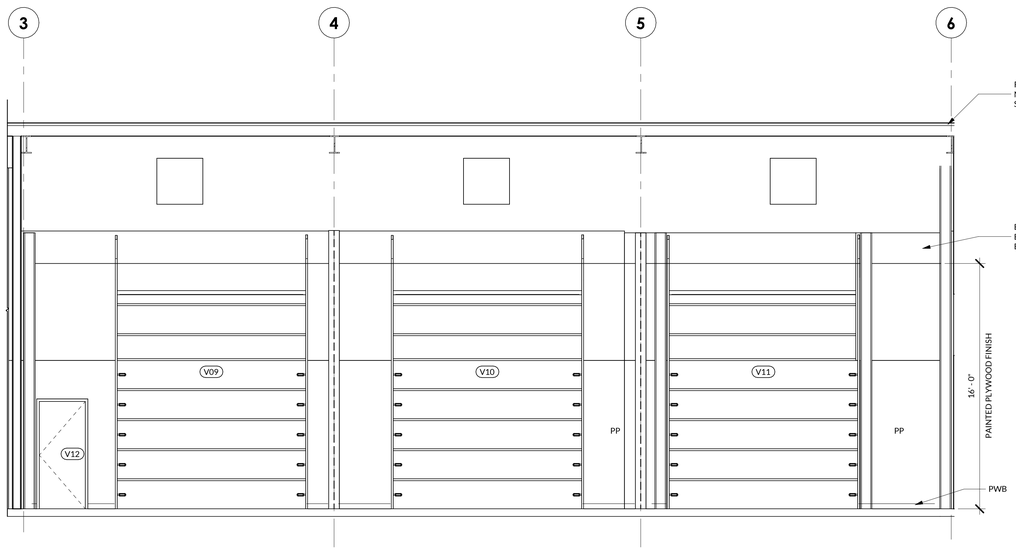
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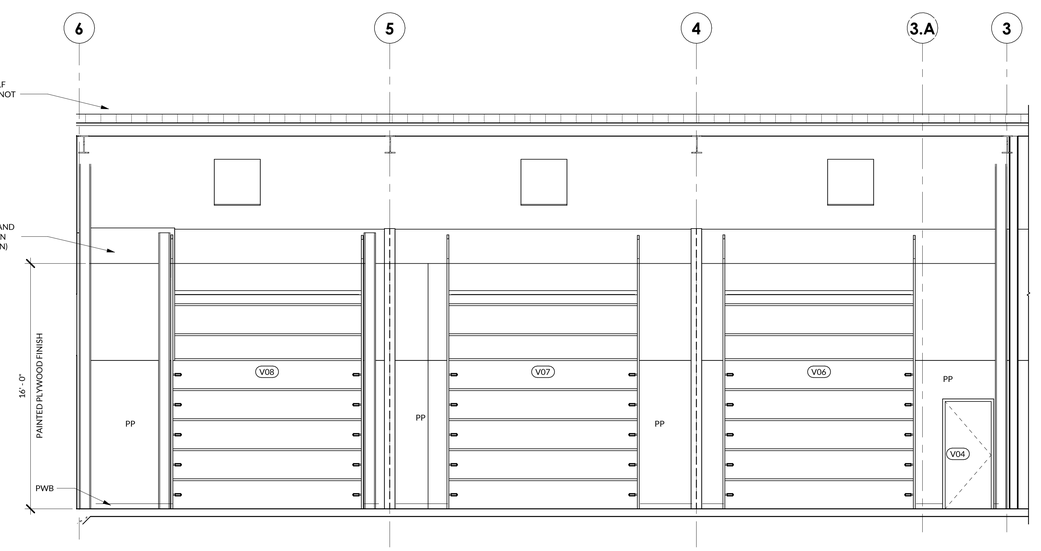
1 A507 **INTERIOR ELEVATION - NORTH - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"



2 A507 **INTERIOR ELEVATION - SOUTH - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"



4 A507 **INTERIOR ELEVATION - WEST - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"



3 A507 **INTERIOR ELEVATION - EAST - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson
Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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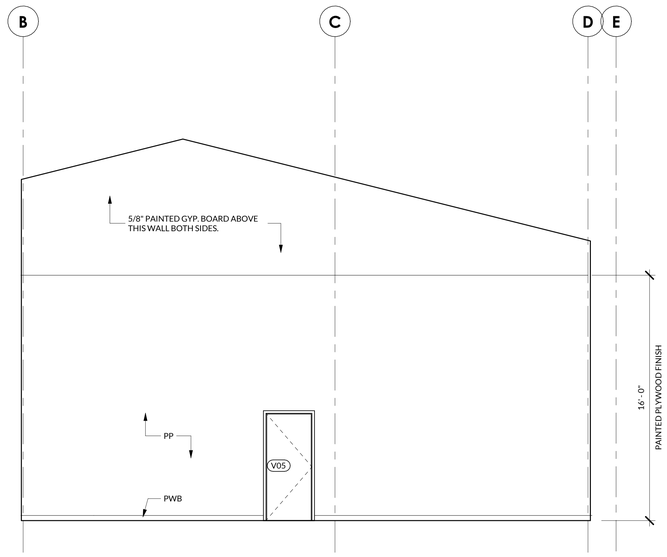
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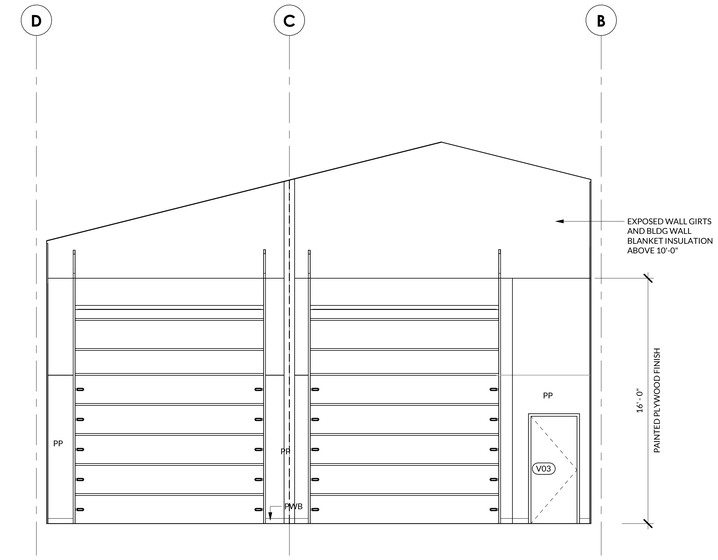
SHEET NAME:

INTERIOR ELEVATIONS - VEHICLE STORAGE BUILDING

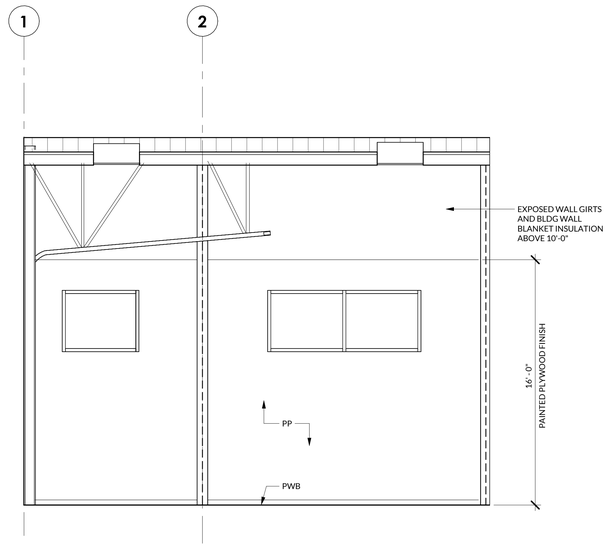
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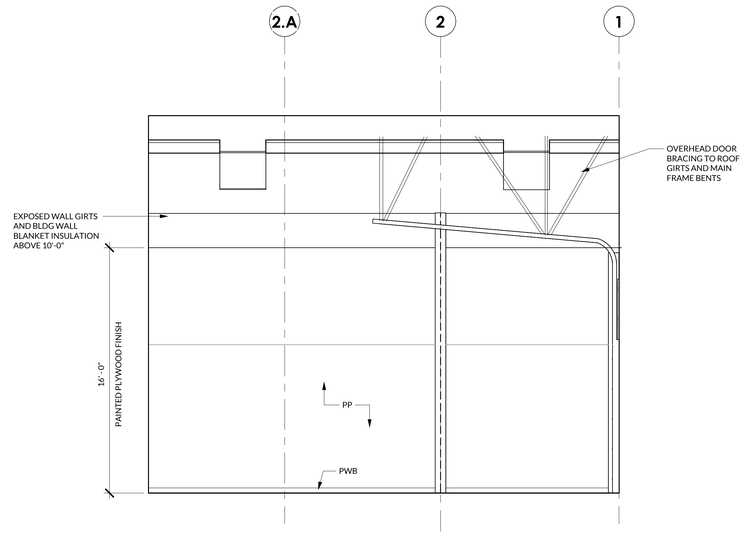
1 A508 **INTERIOR ELEVATION- NORTH- MAINT. BAY - VEH. STOR. BLDG.**
1/4" = 1'-0"



2 A508 **INTERIOR ELEVATION - SOUTH - MAINT. BAY - VEH. STOR. BLDG.**
1/4" = 1'-0"



3 A508 **INTERIOR ELEVATION- WEST- MAINT. BAY - VEH. STOR. BLDG.**
1/4" = 1'-0"



4 A508 **INTERIOR ELEVATION- EAST- MAINT. BAY - VEH. STOR. BLDG.**
1/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA DURHAM, N.C. 11381

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough

Adron F. Thompson
Addition & Renovation

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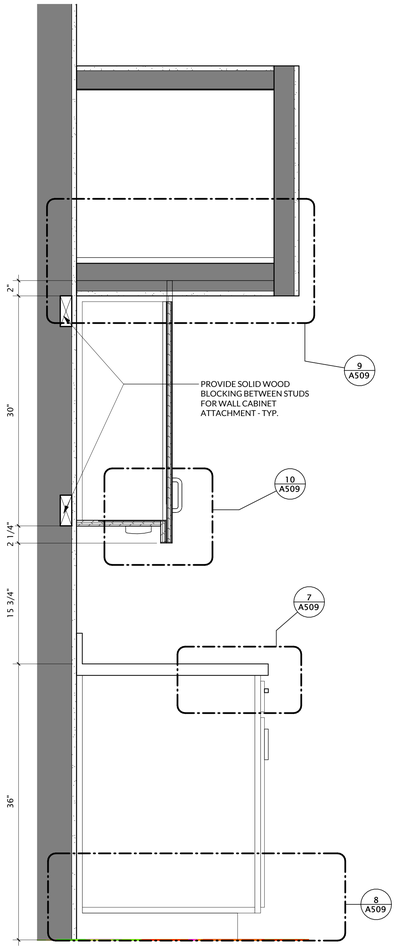
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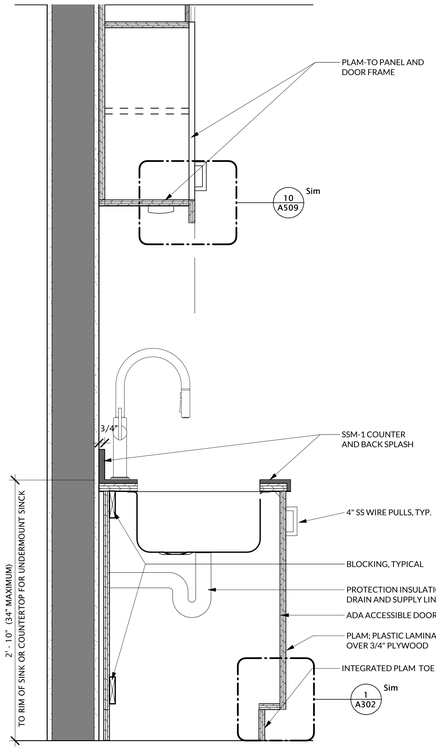
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INTERIOR ELEVATIONS - VEHICLE STORAGE BUILDING

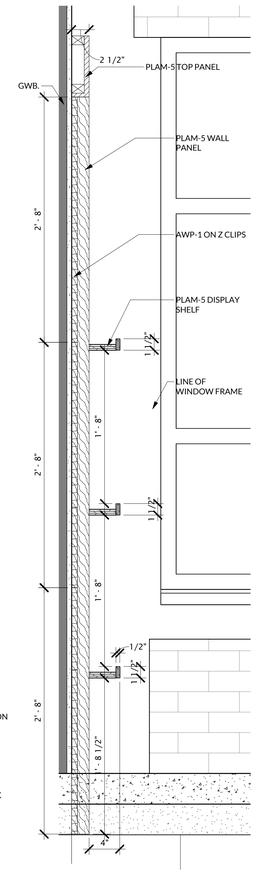
A508



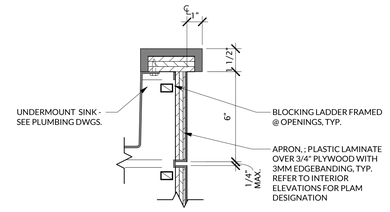
1 A509 TYP. BREAK ROOM CASEWORK SECTION
1 1/2" = 1'-0"



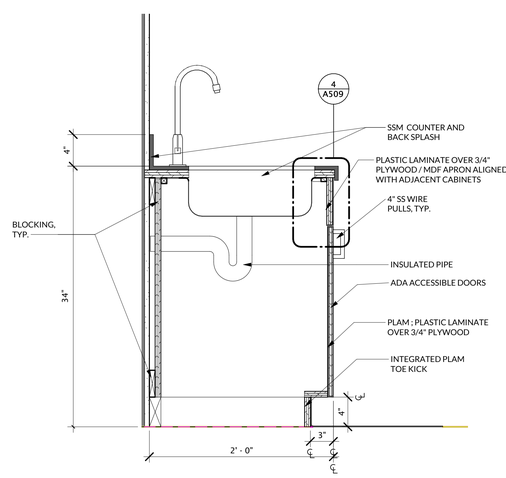
2 A509 SECTION THRU ACCESSIBLE SINK
1 1/2" = 1'-0"



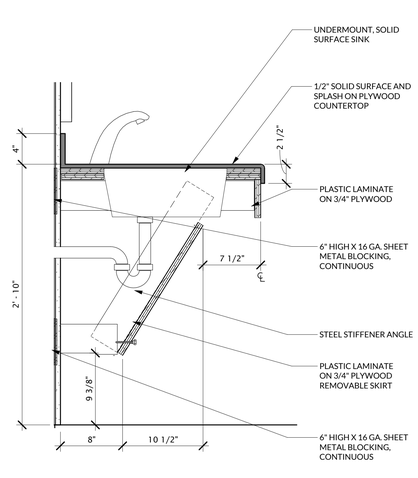
3 A509 SECTION- MILLWORK LOBBY 001
1 1/2" = 1'-0"



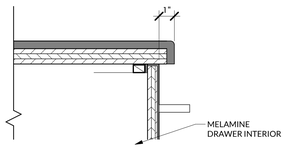
4 A509 SECTION DETAIL -ACCESSIBLE UNDERMOUNT SINK
3" = 1'-0"



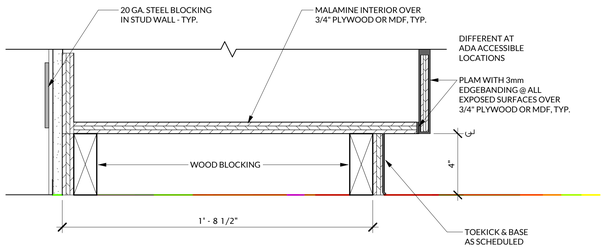
5 A509 SECTION DETAIL - ACCESSIBLE SINK CABINET
1 1/2" = 1'-0"



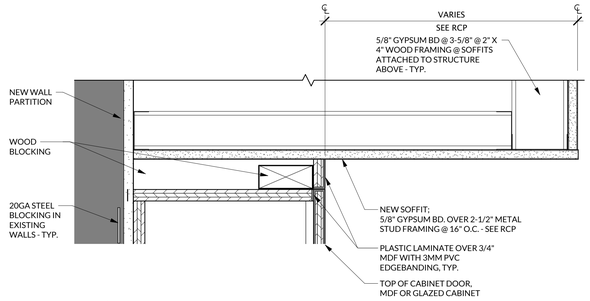
6 A509 SECTION - ACCESSIBLE VANITY COUNTER
1 1/2" = 1'-0"



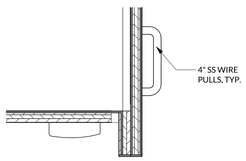
7 A509 COUNTERTOP DETAIL
3" = 1'-0"



8 A509 BASE CABINET DETAIL
3" = 1'-0"



9 A509 CABINET SOFFIT DETAIL
3" = 1'-0"



10 A509 TYP. CABINET LIGHT RAIL DETAIL
3" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT NORTH CAROLINA 11381 DURHAM, N.C.
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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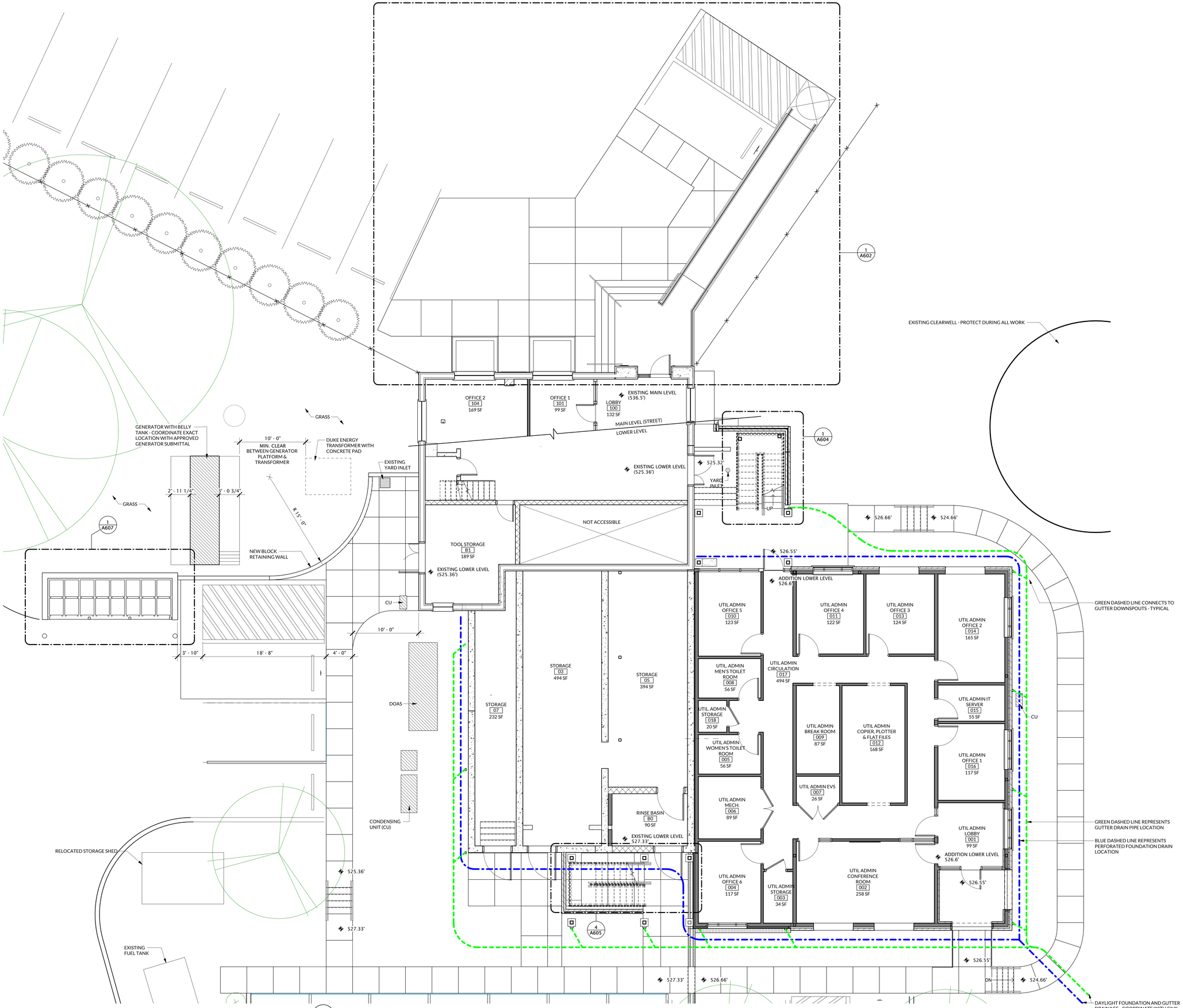
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

CASEWORK DETAILS

A509



1 A601 **ADDITION & RENOVATION PLAN - MAIN LEVEL WITH CONTEXT**
3/16" = 1'-0"

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11381
NORTH CAROLINA
12.19.2025

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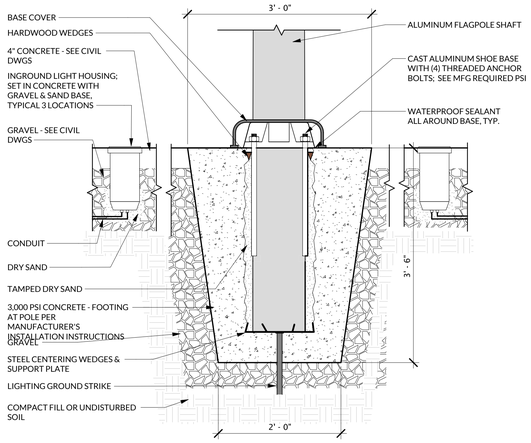
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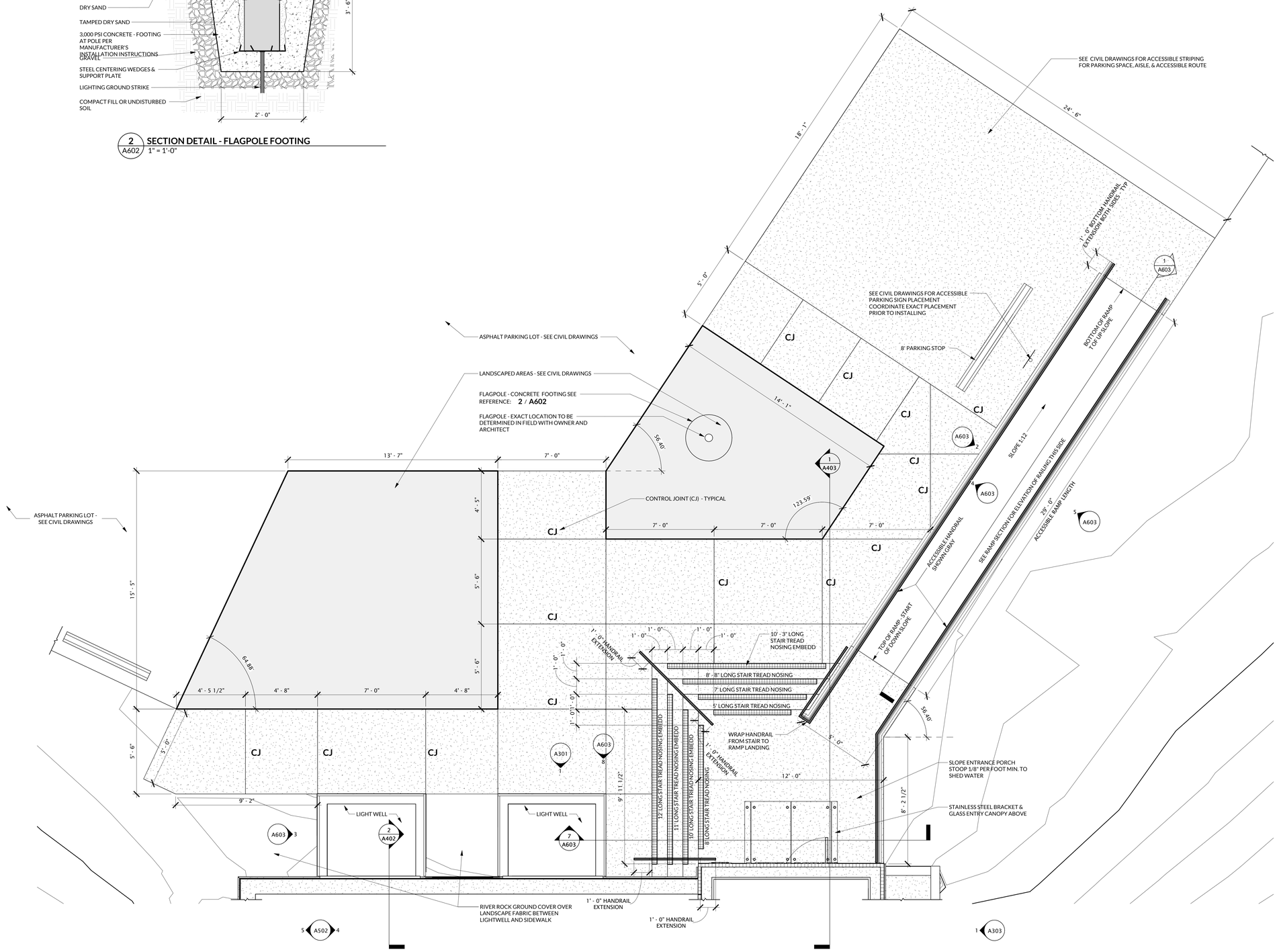
SHEET NAME:

ARCHITECTURAL SITE PLAN - ADDITION & RENO

A601



2 / A602 **SECTION DETAIL - FLAGPOLE FOOTING**
1" = 1'-0"



1 / A602 **ENLARGED ARCHITECTURAL SITE PLAN - NORTH ENTRANCE**
3/8" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

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Adron F. Thompson
Addition & Renovation

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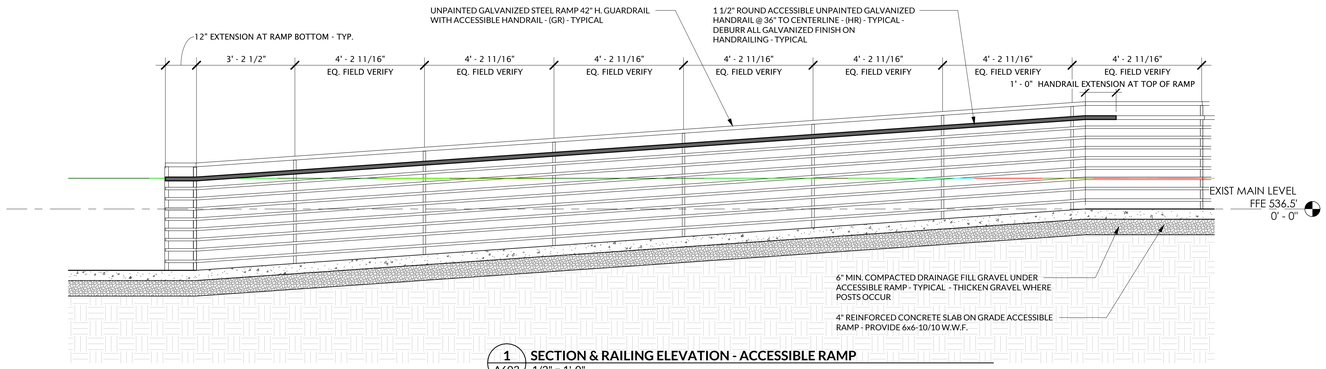
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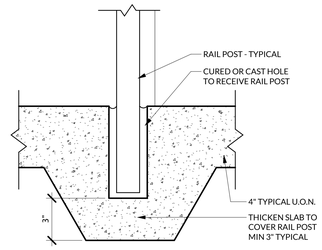
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ARCHITECTURAL SITE PLAN - NORTH ENTRANCE - ADDITION & RENO

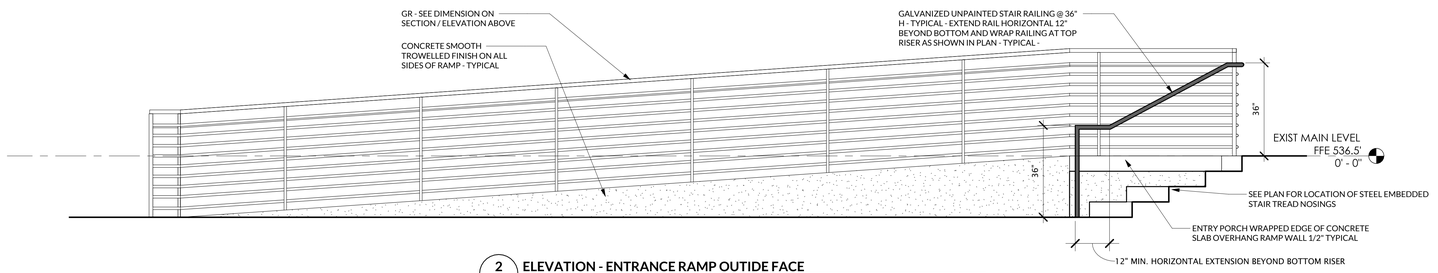
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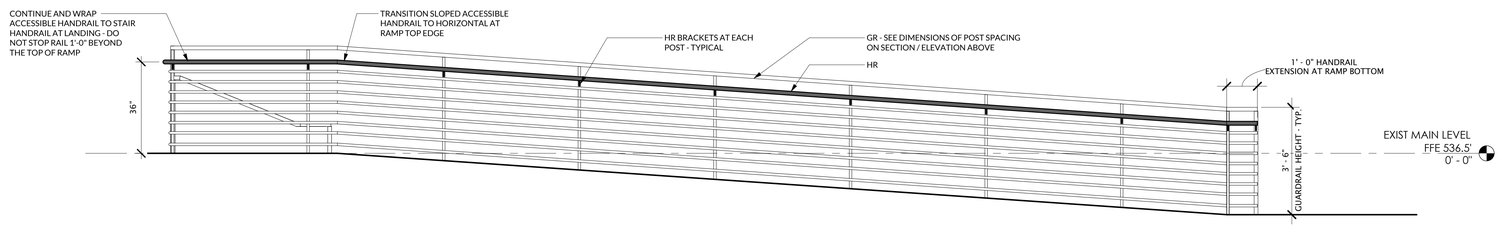
1 / A603 — SECTION & RAILING ELEVATION - ACCESSIBLE RAMP
1/2" = 1'-0"



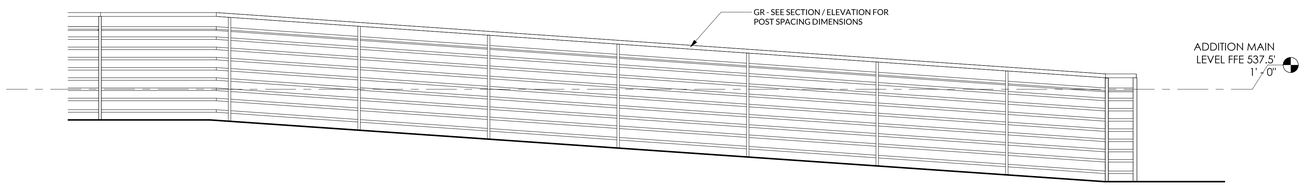
6 / A603 — DETAIL SECTION - RAIL POST @ CONCRETE
3" = 1'-0"



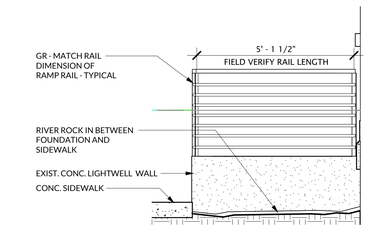
2 / A603 — ELEVATION - ENTRANCE RAMP OUTIDE FACE
1/2" = 1'-0"



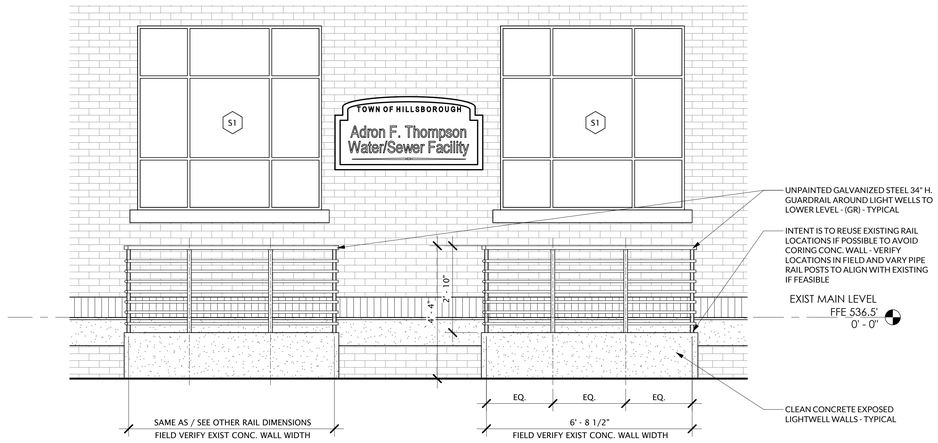
4 / A603 — ELEVATION - ENTRANCE RAMP E
1/2" = 1'-0"



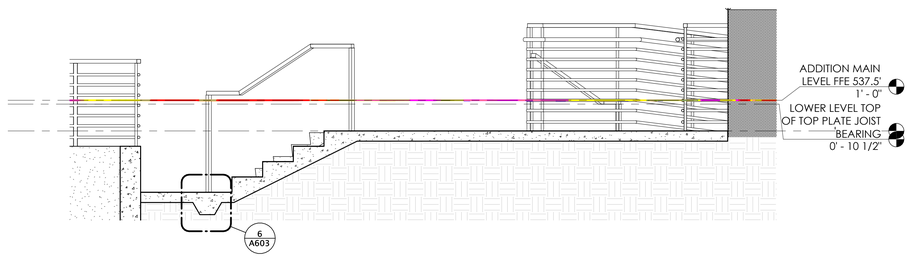
5 / A603 — ELEVATION - ENTRANCE RAMP OUTSIDE FACE
1/2" = 1'-0"



3 / A603 — ELEVATION - TYPICAL SIDE VIEW LIGHTWELL RAILING
1/2" = 1'-0"



8 / A603 — EXTERIOR ELEVATION - RAILING AT EXISTING LIGHTWELLS
1/2" = 1'-0"



7 / A603 — SECTION - ENTRANCE STAIRS N
1/2" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA — 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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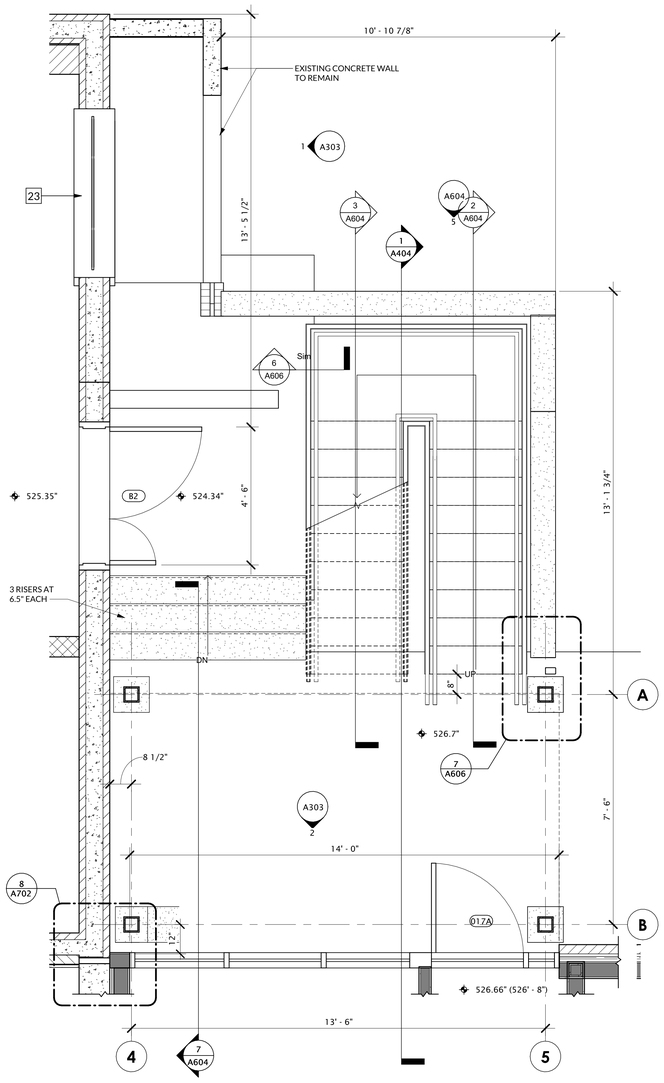
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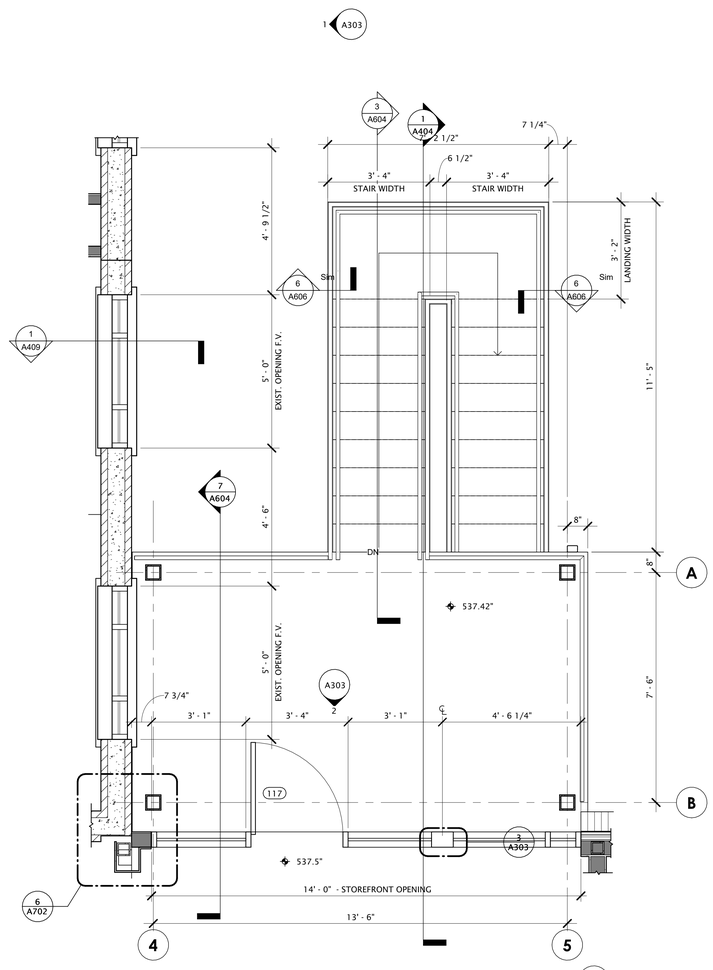
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SECTIONS, ELEVATION & DETAILS - MAIN LEVEL FRONT ENTRY RAMP AND RAILING

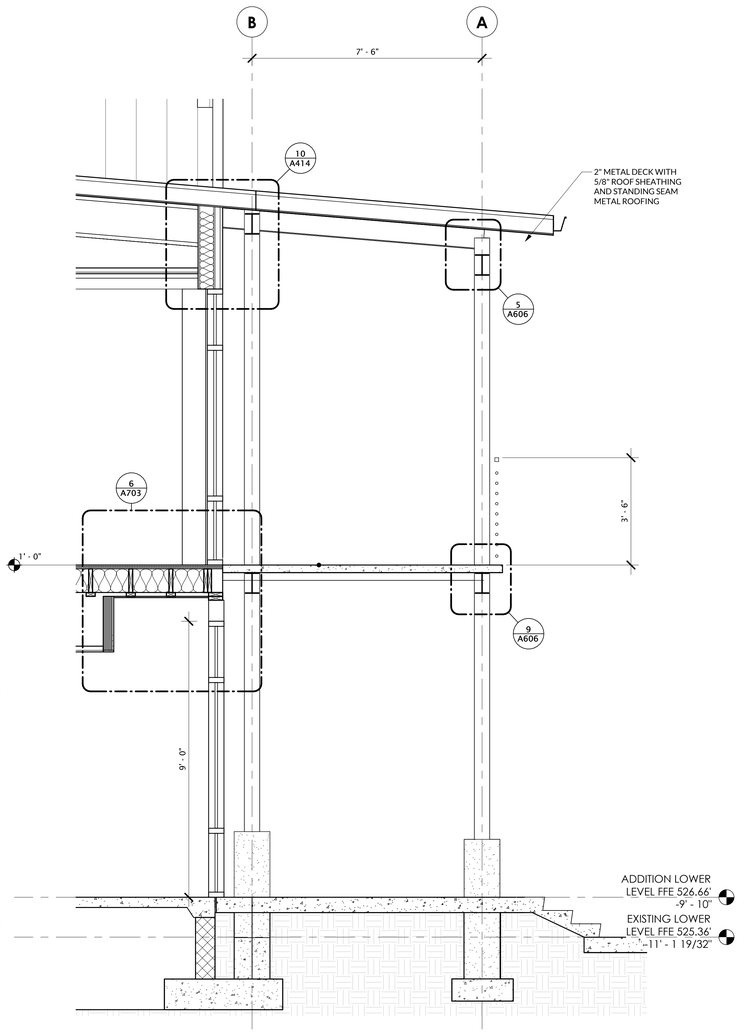
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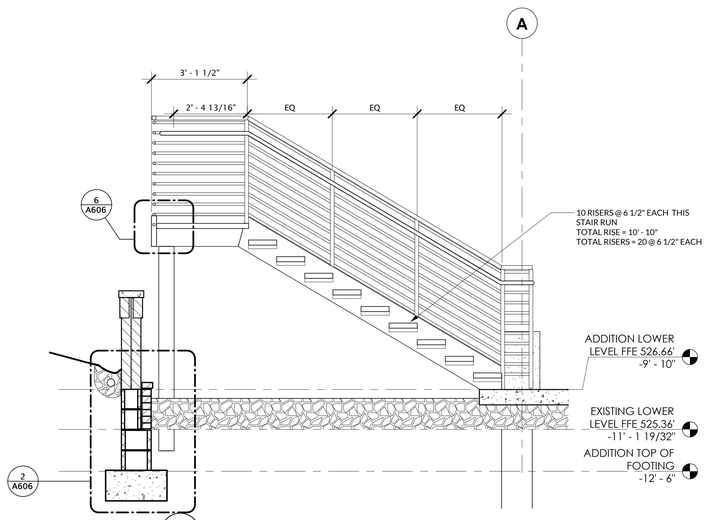
1 A604 **RENOVATION ENLARGED PLAN - NORTH EXTERIOR STAIR LOWER LEVEL**
1/2" = 1'-0"



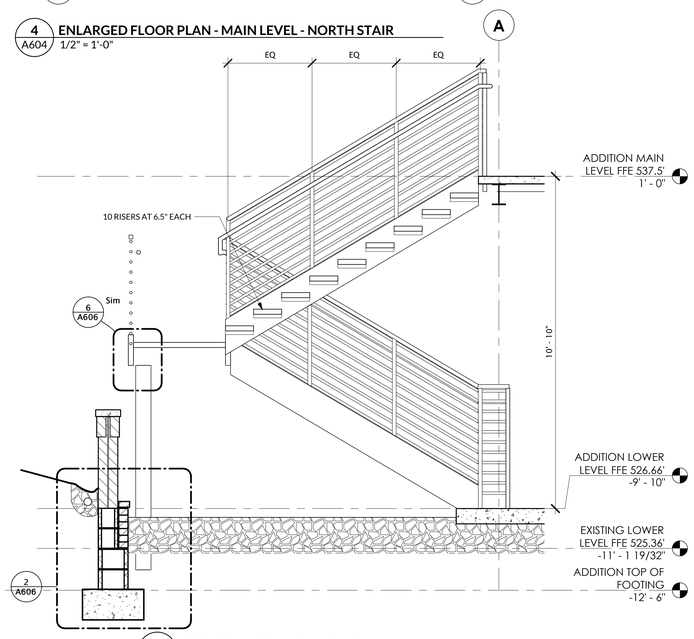
4 A604 **ENLARGED FLOOR PLAN - MAIN LEVEL - NORTH STAIR**
1/2" = 1'-0"



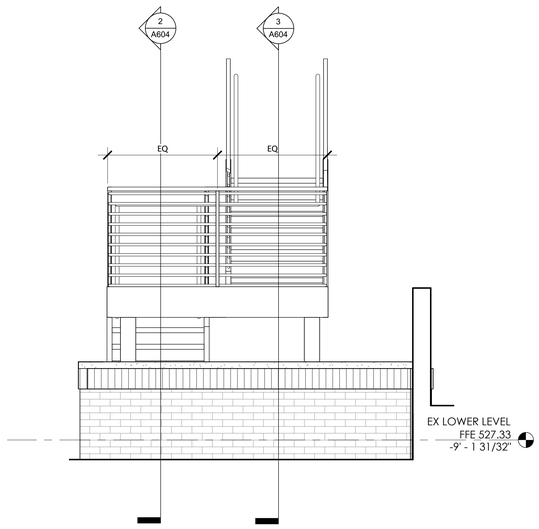
7 A604 **BUILDING SECTION - PARTIAL - NORTH STAIR**
1/2" = 1'-0"



2 A604 **SECTION - NORTH STAIR LOWER**
1/2" = 1'-0"



3 A604 **SECTION - NORTH STAIR UPPER**
1/2" = 1'-0"



5 A604 **SECTION - NORTH STAIR RETAINING WALL**
1/2" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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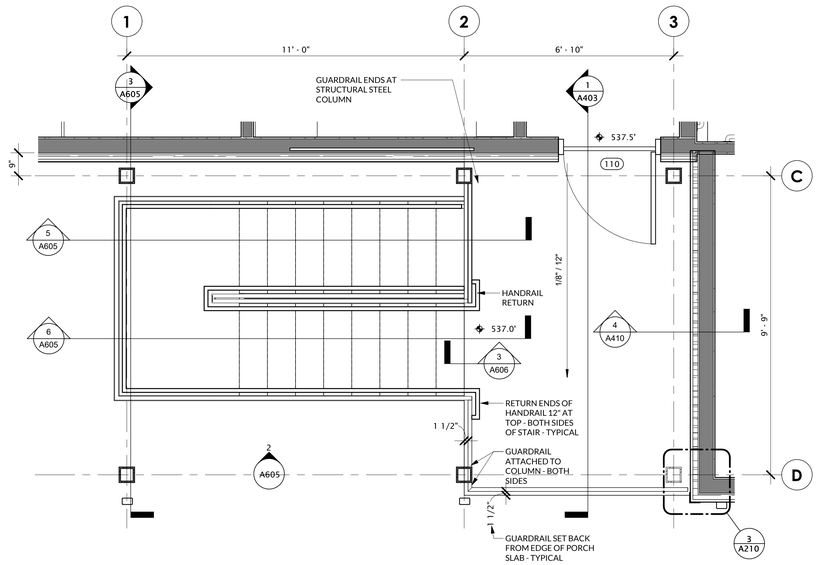
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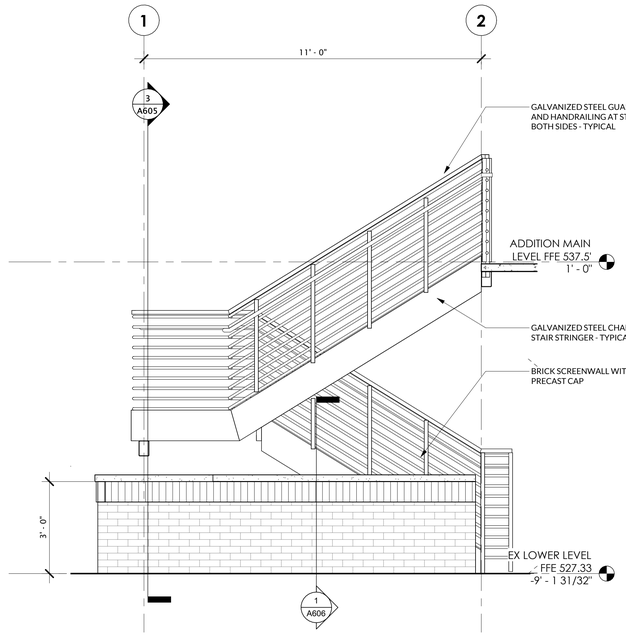
SHEET NAME:

STAIR PLAN & SECTIONS - NORTH STAIR

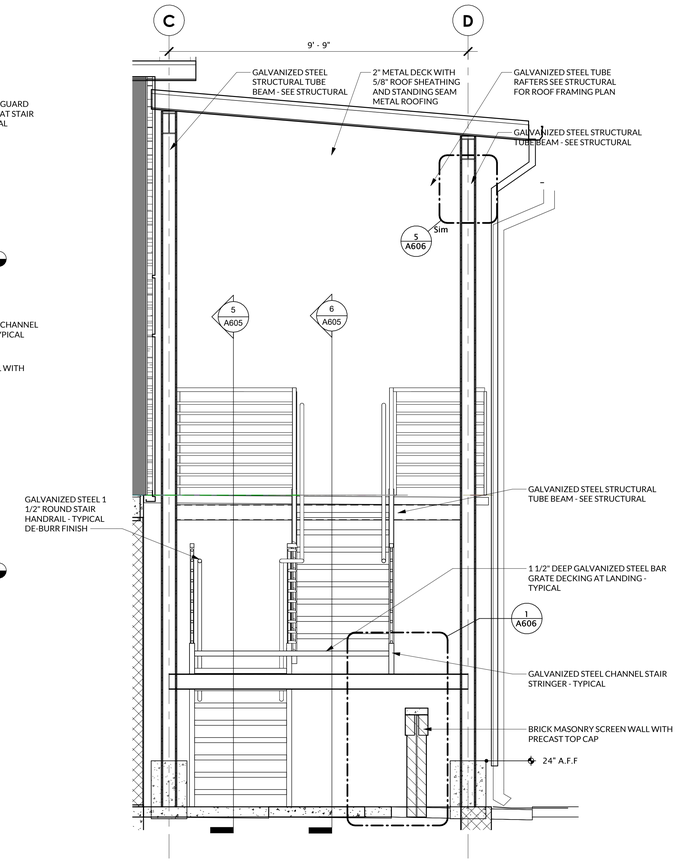
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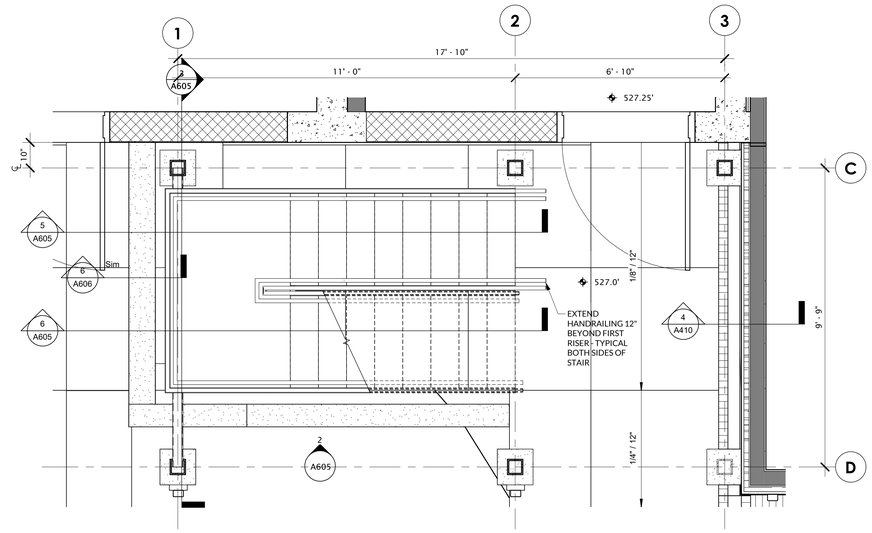
1 A605 RENOVATION ENLARGED PLAN - SOUTH EXTERIOR STAIR - MAIN LEVEL
1/2" = 1'-0"



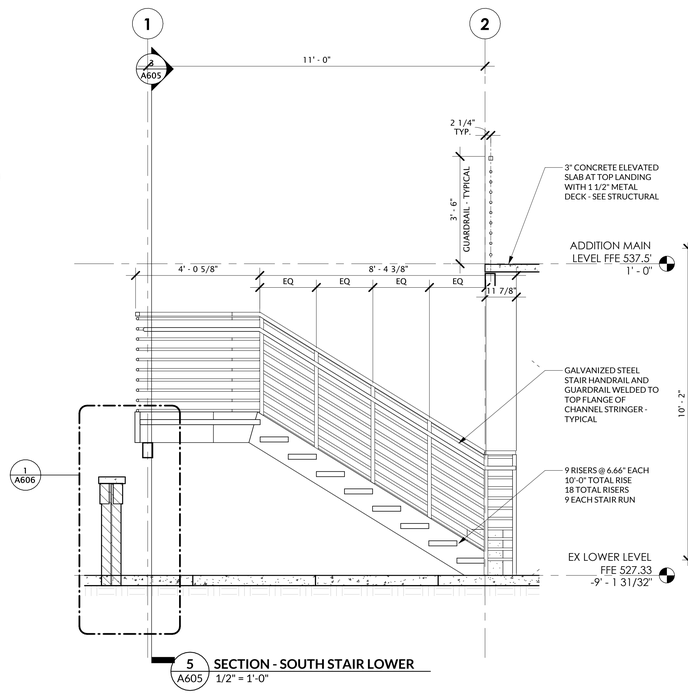
2 A605 EXTERIOR ELEVATION - BRICK SCREEN WALL AT SOUTH EXTERIOR STAIRS
1/2" = 1'-0"



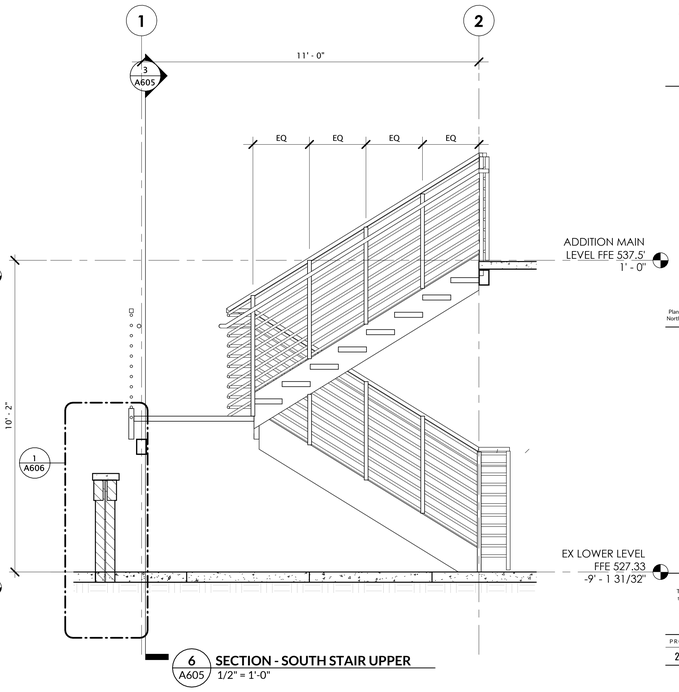
3 A605 BUILDING SECTION - PARTIAL - SOUTH STAIR
1/2" = 1'-0"



4 A605 RENOVATION ENLARGED PLAN - SOUTH EXTERIOR STAIR - LOWER LEVEL
1/2" = 1'-0"



5 A605 SECTION - SOUTH STAIR LOWER
1/2" = 1'-0"



6 A605 SECTION - SOUTH STAIR UPPER
1/2" = 1'-0"

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Addition & Renovation

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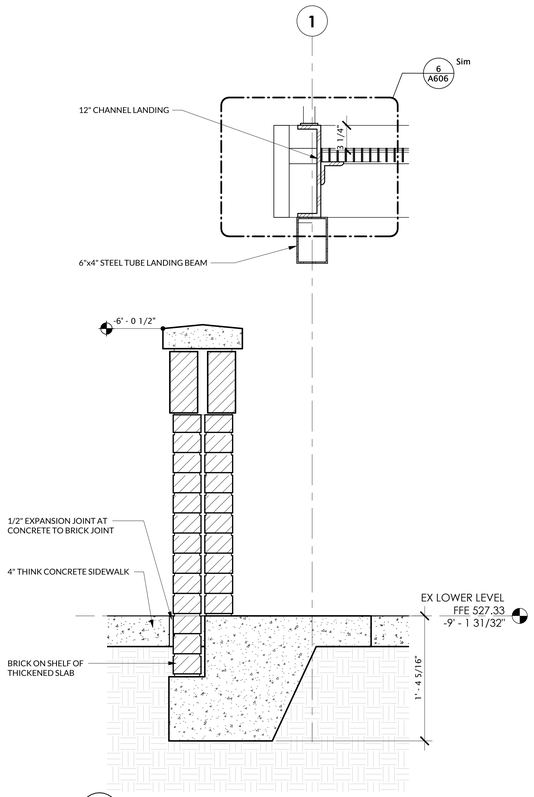
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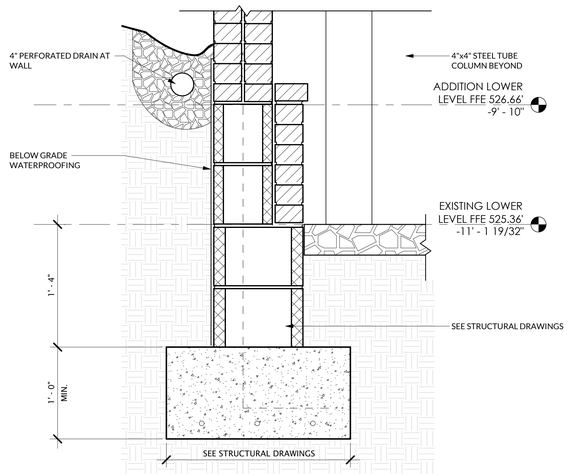
SHEET NAME:

STAIR PLAN & SECTIONS - SOUTH STAIR

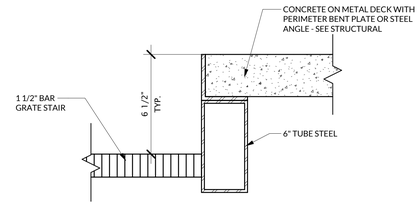
A605



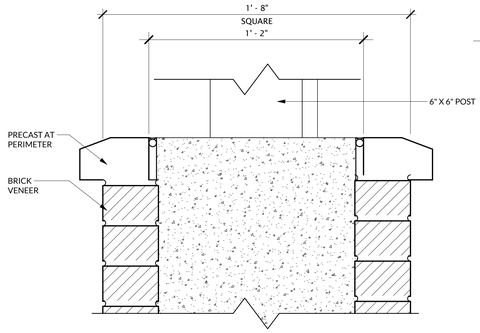
1 A606 SECTION DETAIL - SOUTH STAIR SCREEN WALL
1 1/2" = 1'-0"



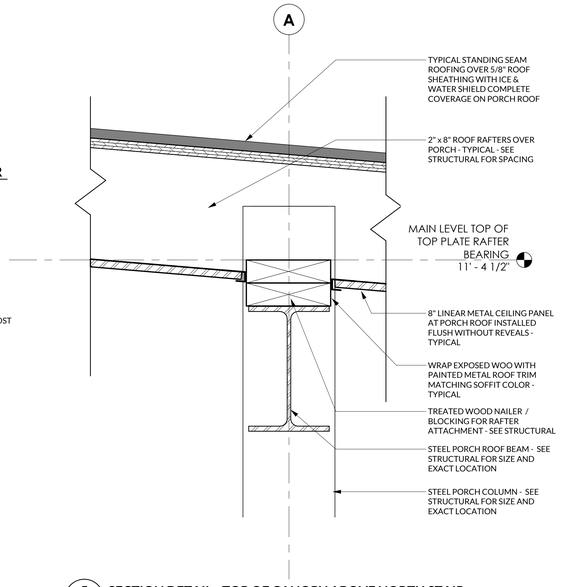
2 A606 SECTION DETAIL - FOUNDATION @ NORTH STAIR RETAINING WALL
1 1/2" = 1'-0"



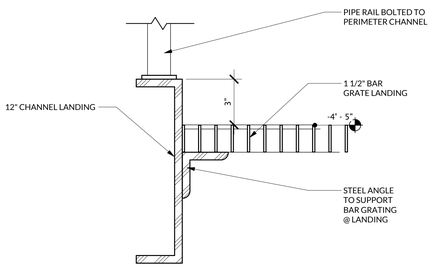
3 A606 SECTION DETAIL - TOP RISER AT SOUTH EXTERIOR STAIR
3" = 1'-0"



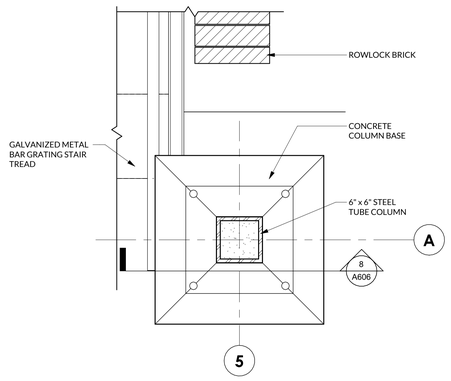
4 A606 SECTION DETAIL - TOP OF NORTH STAIR COLUMN
3" = 1'-0"



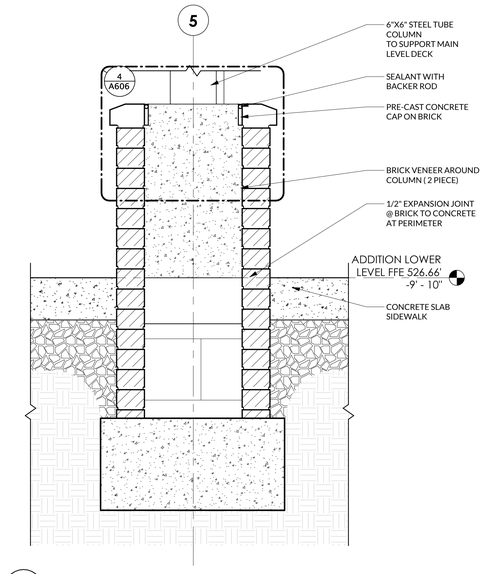
5 A606 SECTION DETAIL - TOP OF CANOPY ABOVE NORTH STAIR
3" = 1'-0"



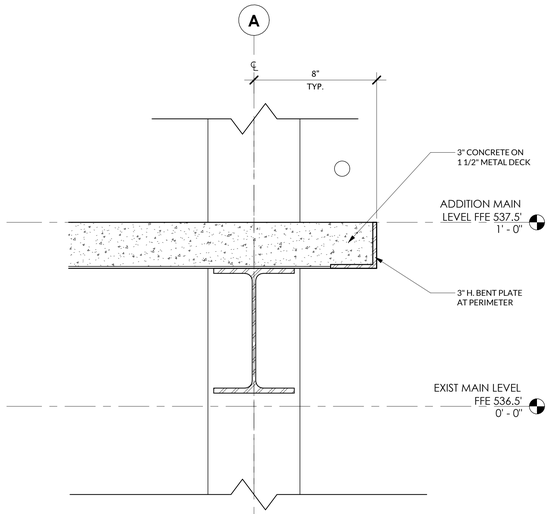
6 A606 SECTION DETAIL - STAIR LANDING CHANNEL....
3" = 1'-0"



7 A606 PLAN DETAIL - COLUMN @ NORTH STAIR
1 1/2" = 1'-0"



8 A606 SECTION DETAIL - COLUMN @ NORTH STAIR
1 1/2" = 1'-0"



9 A606 SECTION DETAIL - NORTH STAIR LANDING AT MAIN LEVEL ADDITION
3" = 1'-0"

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PROFESSIONAL SEALS:

REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA RND ARCHITECTS, PA CERT. NO. 400 DURHAM, N.C.

DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

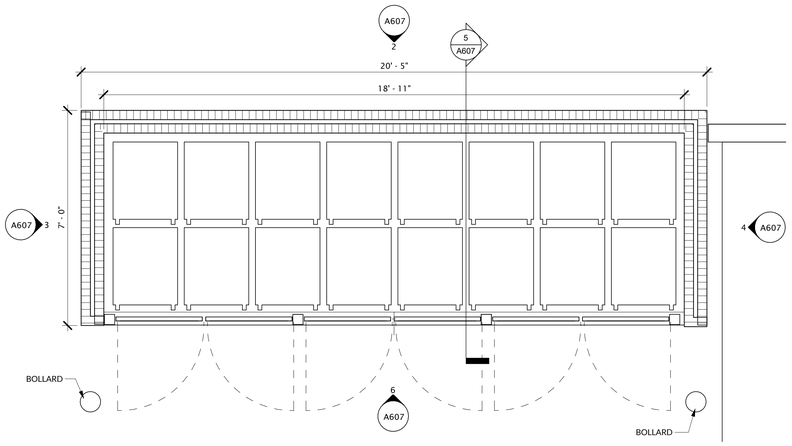
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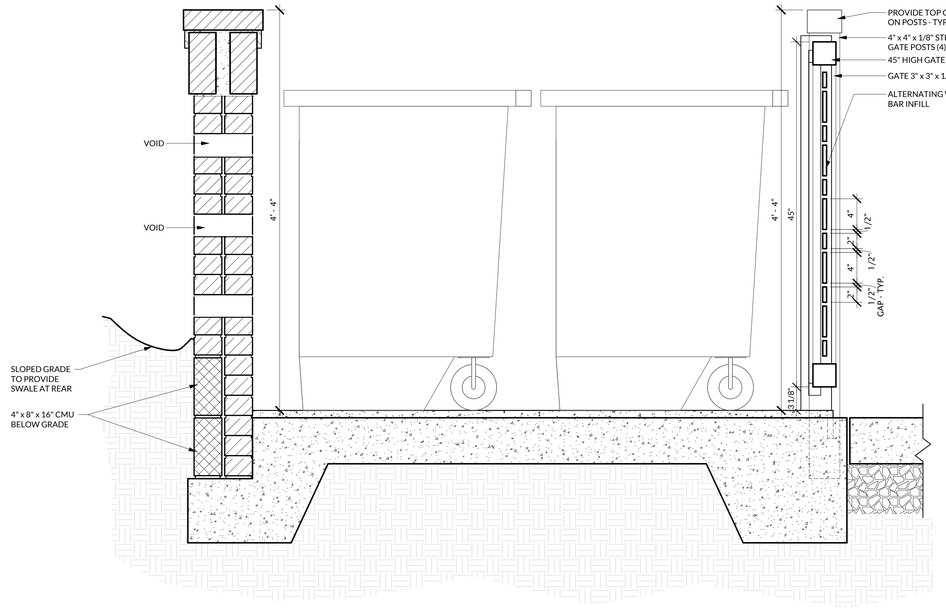
SHEET NAME:

EXTERIOR STAIR SECTION DETAILS

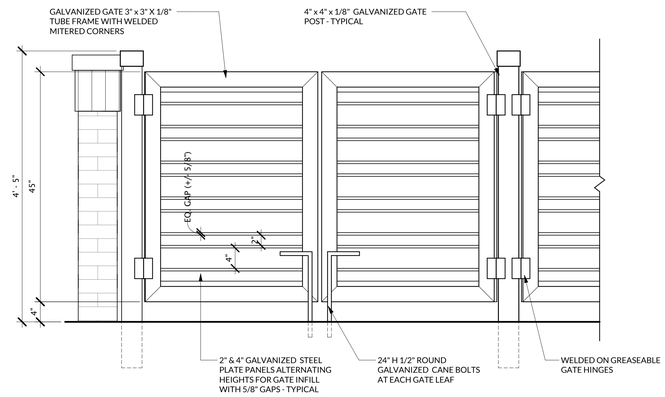
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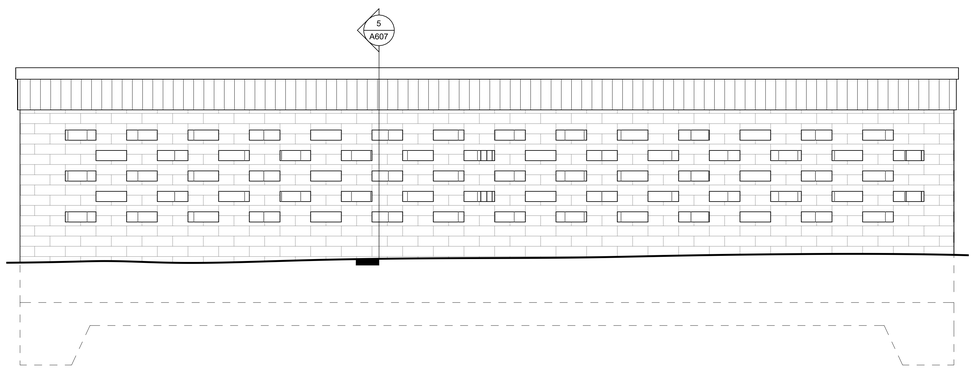
1 / A607 — ENLARGED PLAN - TRASH ENCLOSURE
1/2" = 1'-0"



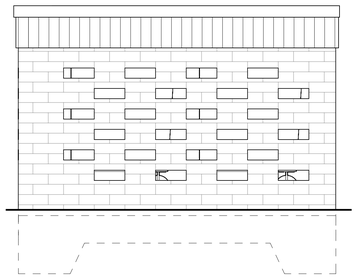
5 / A607 — DETAIL SECTION - TRASH ENCLOSURE SCREEN WALL
1 1/2" = 1'-0"



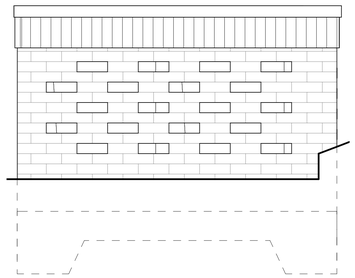
6 / A607 — TYPICAL GATE ELEVATION
1" = 1'-0"



2 / A607 — ELEVATION - TRASH ENCLOSURE SCREEN WALL - NORTH
3/4" = 1'-0"



3 / A607 — ELEVATION - TRASH ENCLOSURE SCREEN WALL - WEST
3/4" = 1'-0"



4 / A607 — ELEVATION - TRASH ENCLOSURE SCREEN WALL - EAST
3/4" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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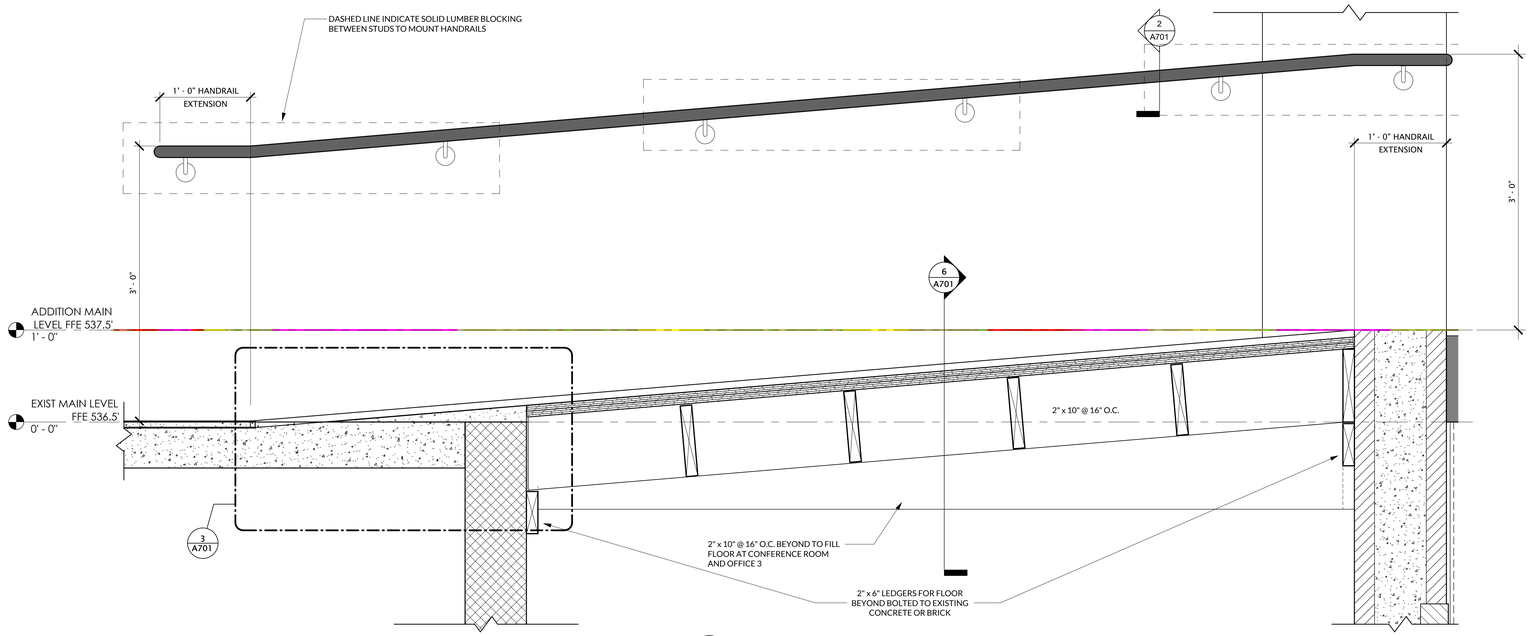
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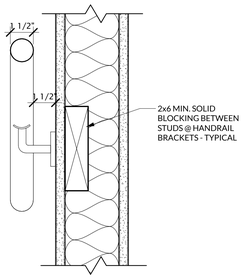
SHEET NAME:

TRASH ENCLOSURE PLAN, ELEVATIONS, SECTIONS, & DETAILS

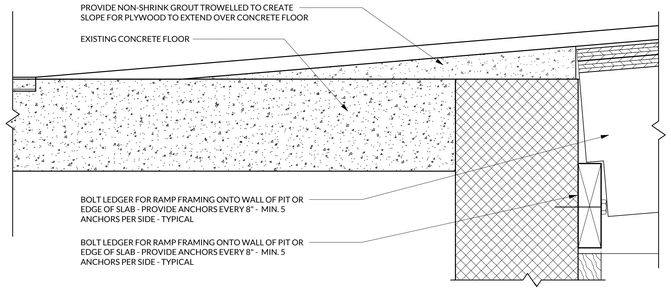
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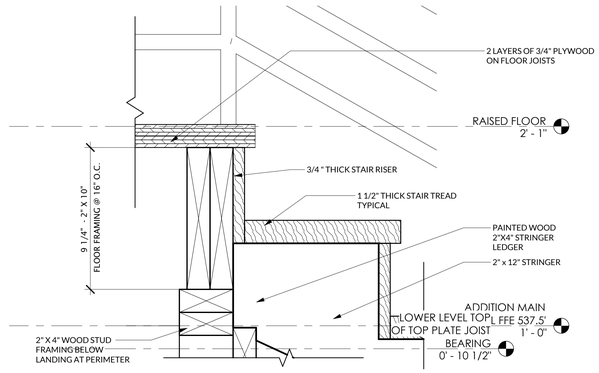
1 A701 — SECTION - INTERIOR RAMP IN CORRIDOR 106
1 1/2" = 1'-0"



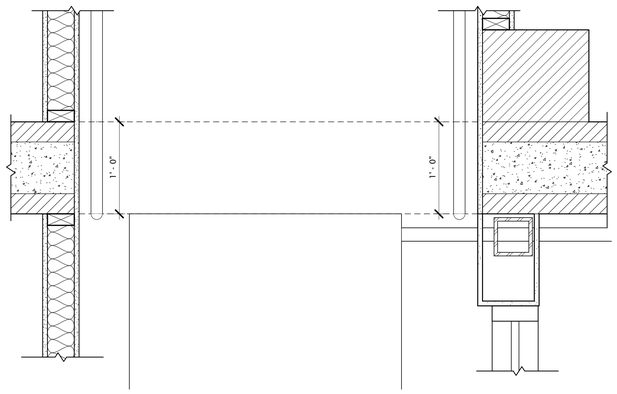
2 A701 — SECTION DETAIL - HANDRAIL AT RAMP
3" = 1'-0"



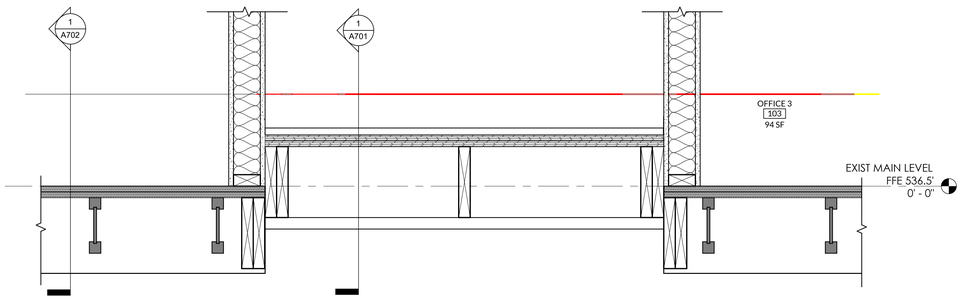
3 A701 — SECTION - INTERIOR RAMP START OF SLOPE
3" = 1'-0"



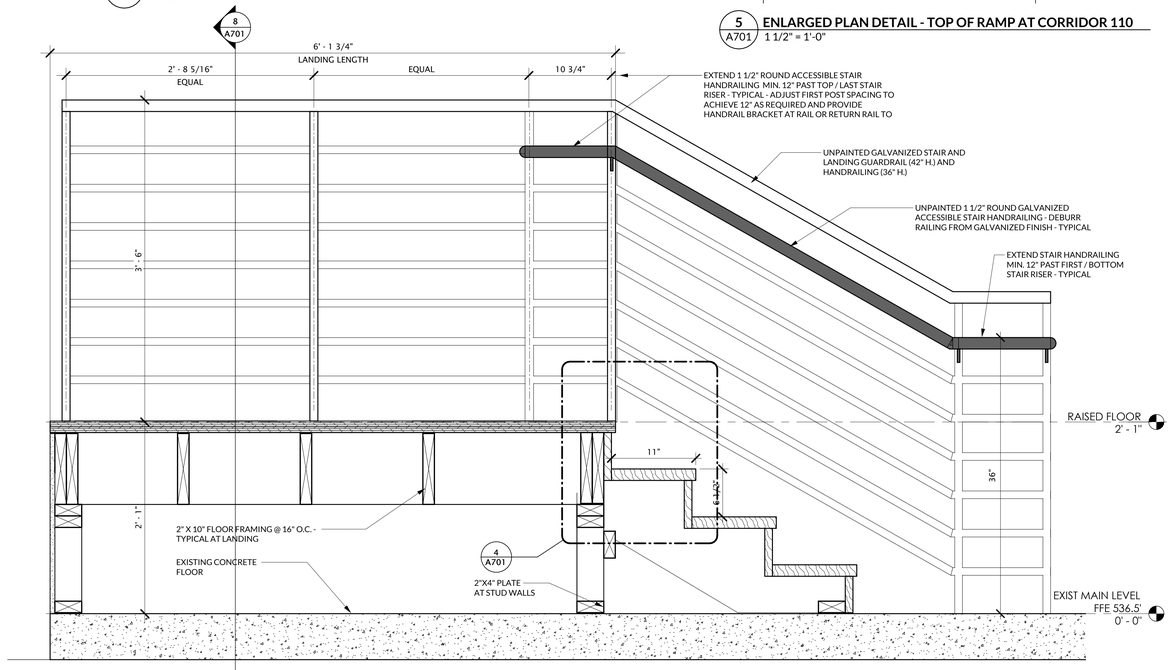
4 A701 — SECTION DETAIL - STAIRS IN CORRIDOR 106
3" = 1'-0"



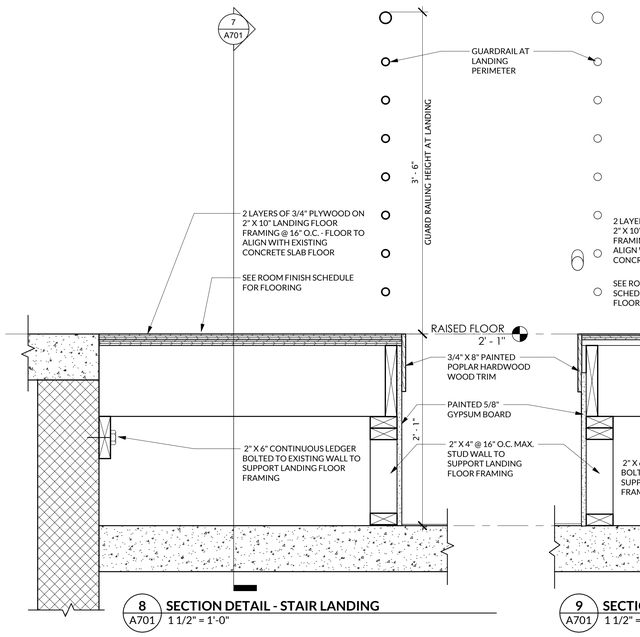
5 A701 — ENLARGED PLAN DETAIL - TOP OF RAMP AT CORRIDOR 110
1 1/2" = 1'-0"



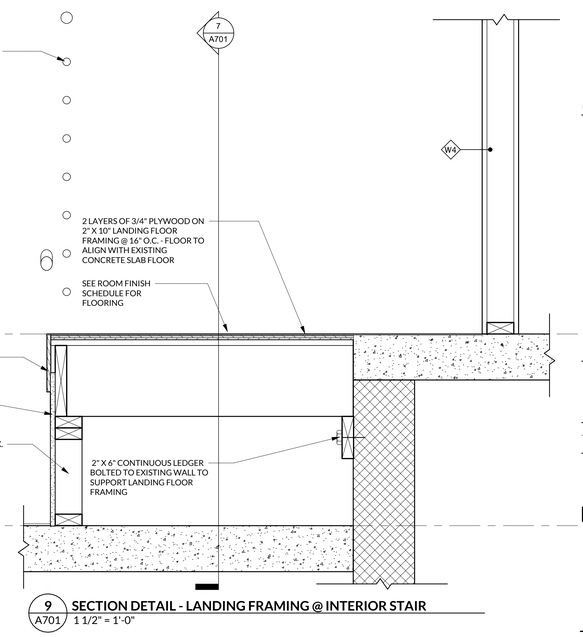
6 A701 — SECTION DETAIL - INTERIOR RAMP
1 1/2" = 1'-0"



7 A701 — SECTION - STAIRS IN CORRIDOR 106
1 1/2" = 1'-0"



8 A701 — SECTION DETAIL - STAIR LANDING
1 1/2" = 1'-0"



9 A701 — SECTION DETAIL - LANDING FRAMING @ INTERIOR STAIR
1 1/2" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA

12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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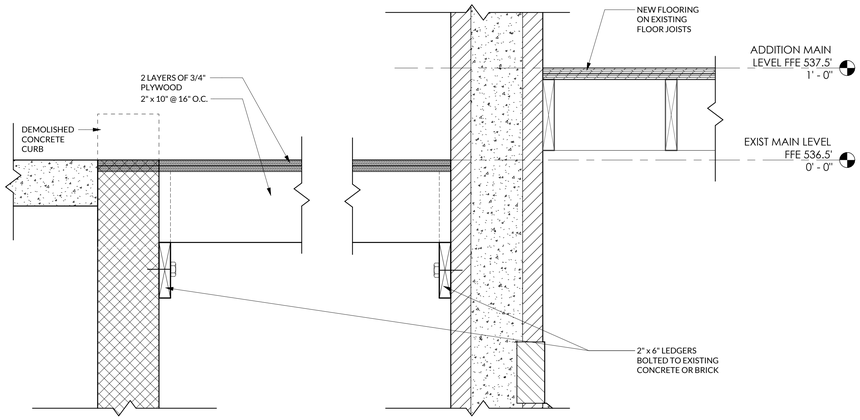
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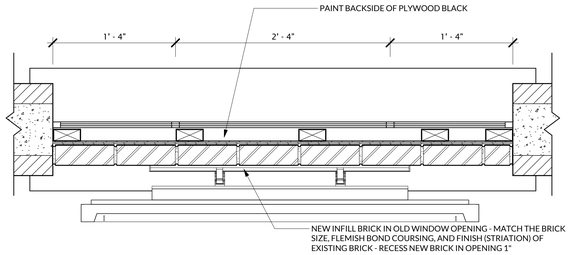
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DETAILS - INTERIOR STAIR AND RAMP

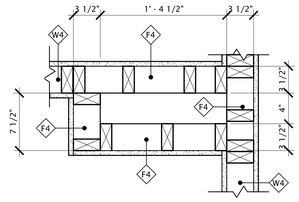
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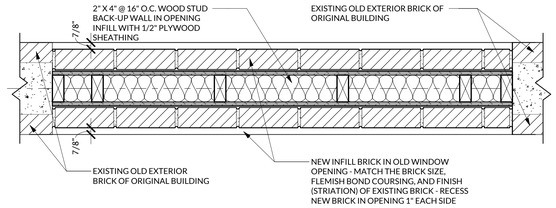
1 / A702 — SECTION DETAIL - NEW FLOOR AT EXISTING PIT
1 1/2" = 1'-0"



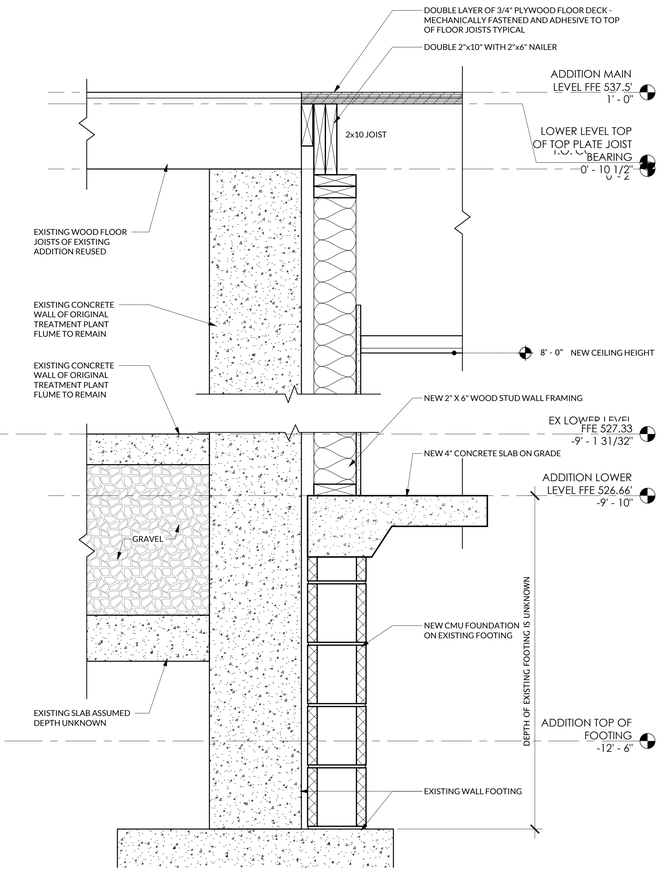
2 / A702 — PLAN DETAIL - INTERIOR WINDOW INFILL
1 1/2" = 1'-0"



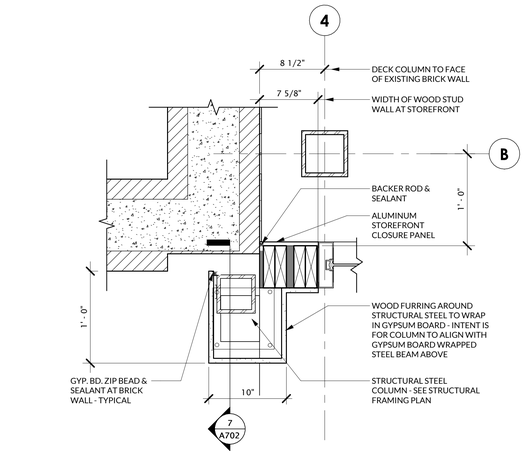
3 / A702 — PLAN DETAIL - FILLER WALLS @ MEN'S LOCKERS
1 1/2" = 1'-0"



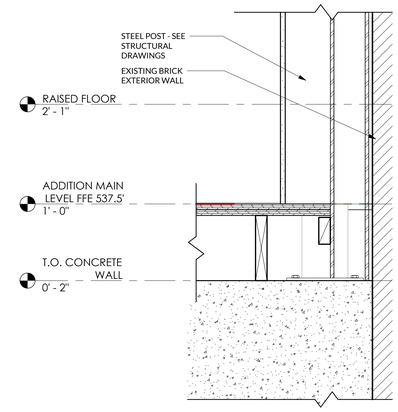
4 / A702 — PLAN DETAIL - BRICK INFILL IN ORIGINAL WALL
1 1/2" = 1'-0"



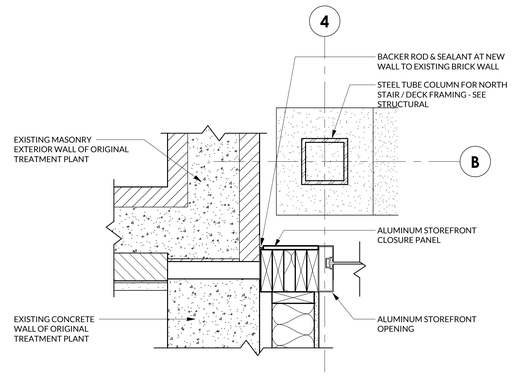
5 / A702 — SECTION DETAIL - NEW ADDITION @ OLD ADDITION
1 1/2" = 1'-0"



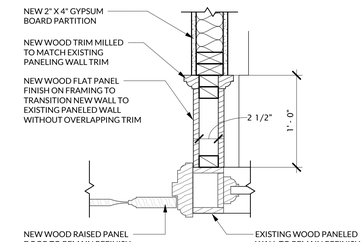
6 / A702 — ENLARGED PLAN DETAIL - MAIN LEVEL NORTH RE-ENTRANT CORNER
1 1/2" = 1'-0"



7 / A702 — DETAIL SECTION - STEEL POST @
1 1/2" = 1'-0"



8 / A702 — ENLARGED PLAN DETAIL - LOWER LEVEL NORTH RE-ENTRANT CORNER
1 1/2" = 1'-0"



9 / A702 — PLAN DETAIL - NEW WALL @ ORIGINAL WOOD PANELING
1 1/2" = 1'-0"

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DAVID BLAKE DANIEL — REGISTERED ARCHITECT — 11381 — NORTH CAROLINA — 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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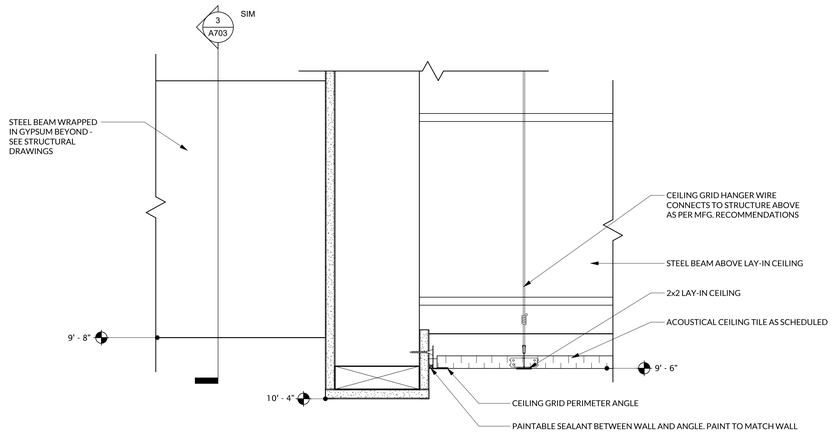
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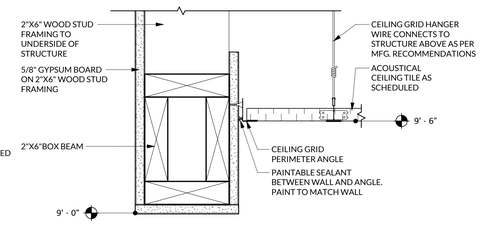
SHEET NAME:

INTERIOR PLAN & SECTION DETAILS

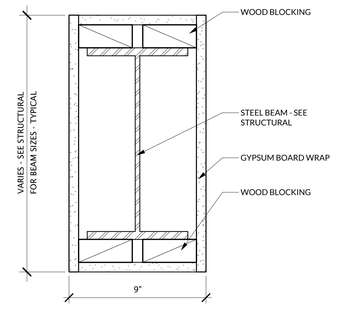
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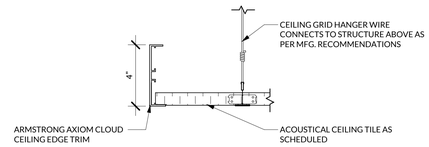
1 A703 SECTION DETAIL - CEILING @ STAFF WORK AREA CLERESTORY
3" = 1'-0"



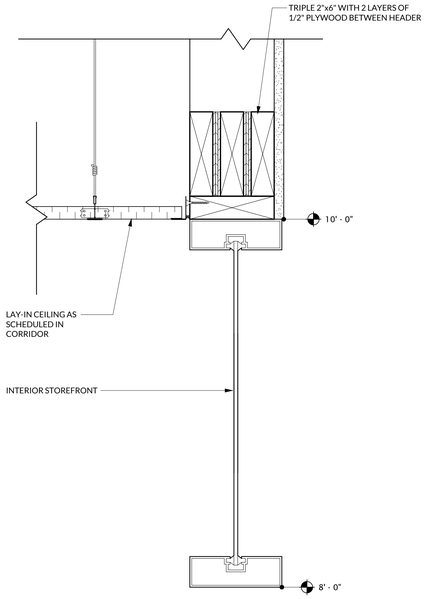
2 A703 SECTION DETAIL- SOFFIT @ KITCHEN
3" = 1'-0"



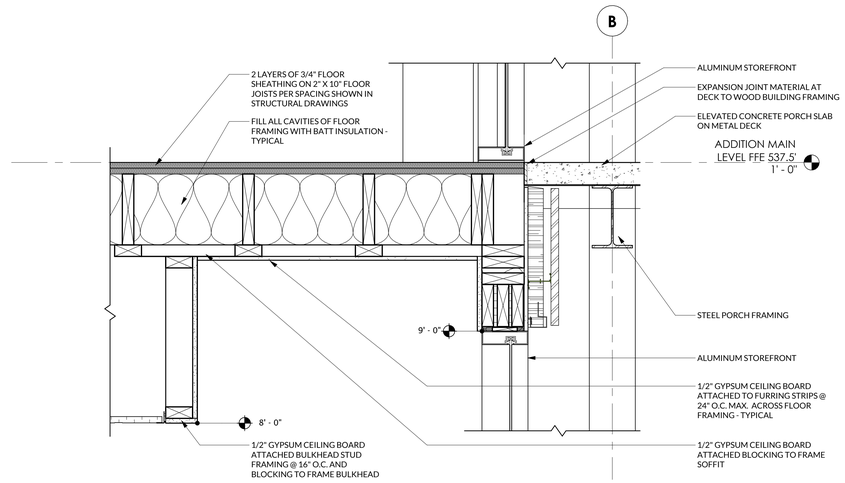
3 A703 SECTION DETAIL - STEEL BEAM WRAP
3" = 1'-0"



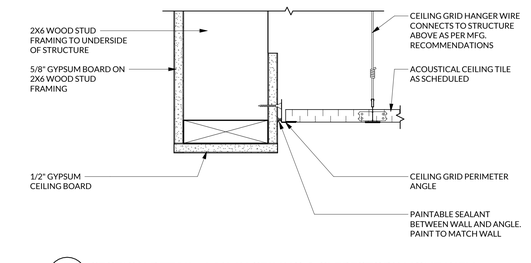
4 A703 SECTION DETAIL - CLOUD EDGE TRIM CEILING
3" = 1'-0"



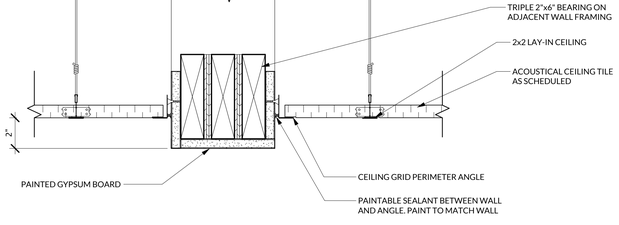
5 A703 SECTION DETAIL - SOFFIT/BULKHEAD - TYPICAL
3" = 1'-0"



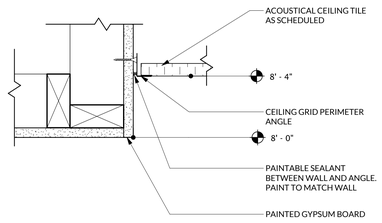
6 A703 SECTION DETAIL - RAISED CEILING @ LOWER LEVEL NORTH ENTRY
1 1/2" = 1'-0"



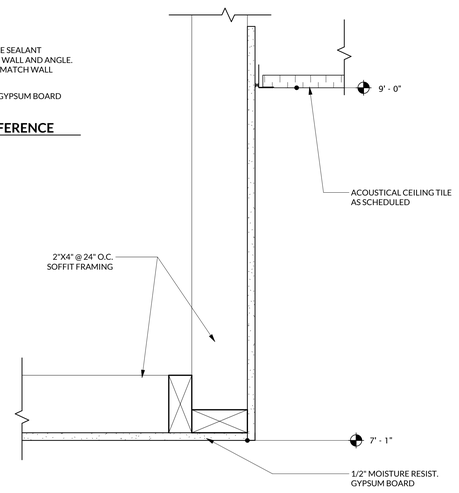
7 A703 SECTION DETAIL - LAY-IN CEILING @ CLERESTORY LIGHT WELL
3" = 1'-0"



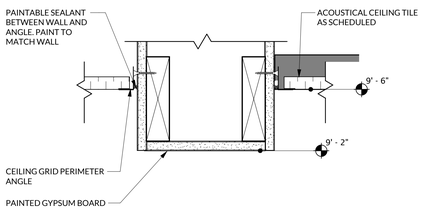
8 A703 SECTION DETAIL - BULKHEAD
3" = 1'-0"



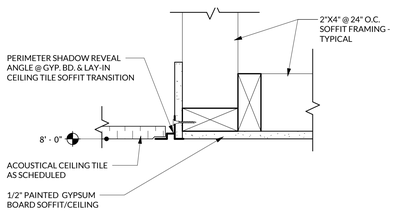
9 A703 SECTION DETAIL - SOFFIT @ LOWER LEVEL CONFERENCE
3" = 1'-0"



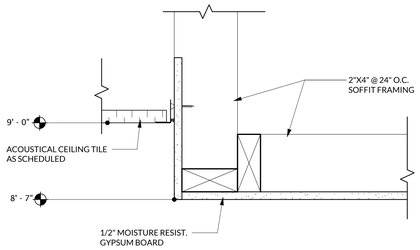
13 A703 SECTION DETAIL - SOFFIT @ RESTROOM VANITY
3" = 1'-0"



10 A703 SECTION DETAIL - SOFFIT @ BREAK AREA CEILING
3" = 1'-0"



11 A703 SECTION DETAIL - LOWER LEVEL CORRIDOR
3" = 1'-0"



12 A703 SECTION DETAIL - SHOWER CEILING
3" = 1'-0"

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PROFESSIONAL SEALS:

RND ARCHITECTS, PA REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 400 DURHAM, N.C.

DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

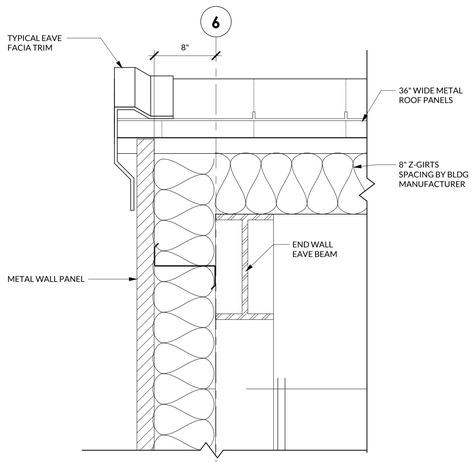
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

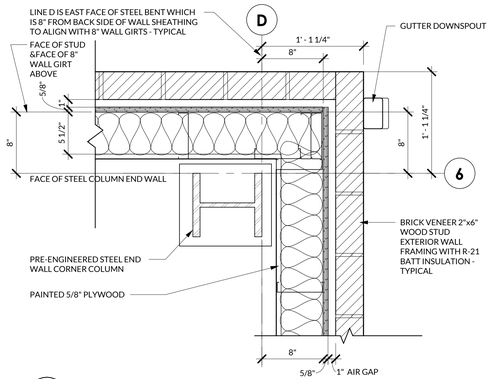
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CEILING DETAILS

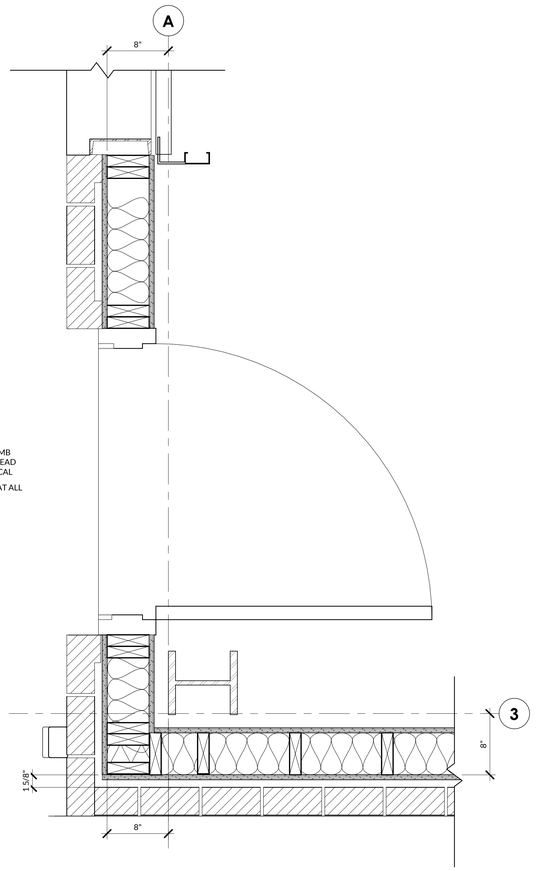
A703



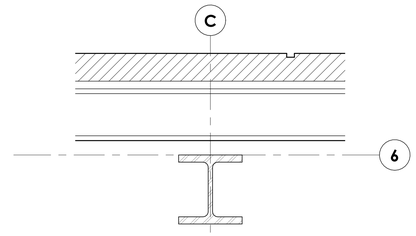
1 / A704 — WALL SECTION DETAIL - END WALL EAVE
1 1/2" = 1'-0"



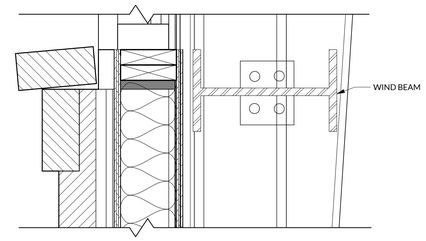
2 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE D6
1 1/2" = 1'-0"



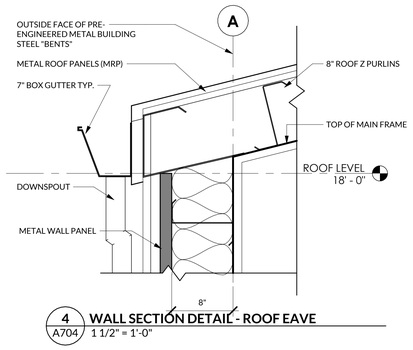
6 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE A3
1 1/2" = 1'-0"



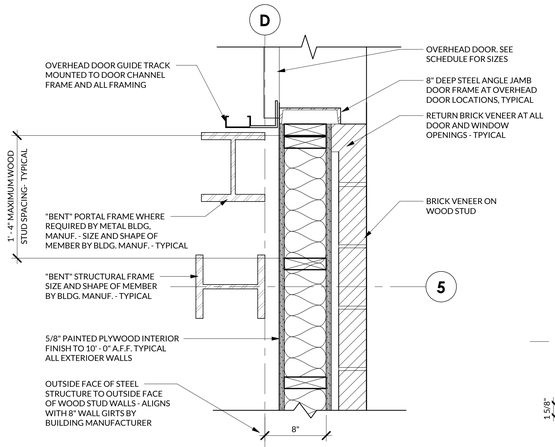
3 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE C6
1 1/2" = 1'-0"



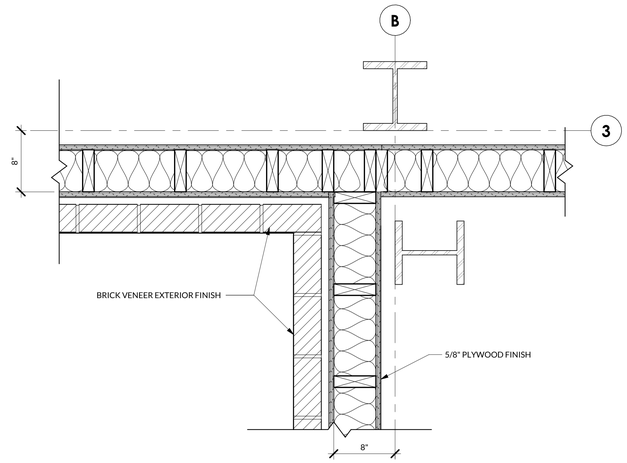
7 / A704 — WALL SECTION DETAIL - WINDOW @ LATERAL WIND BEAM
1 : 6



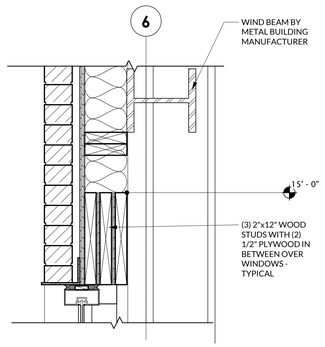
4 / A704 — WALL SECTION DETAIL - ROOF EAVE
1 1/2" = 1'-0"

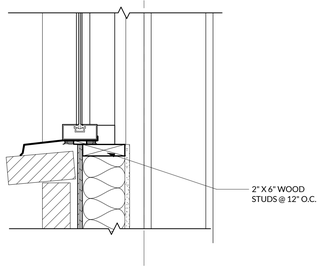


5 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE D5
1 1/2" = 1'-0"

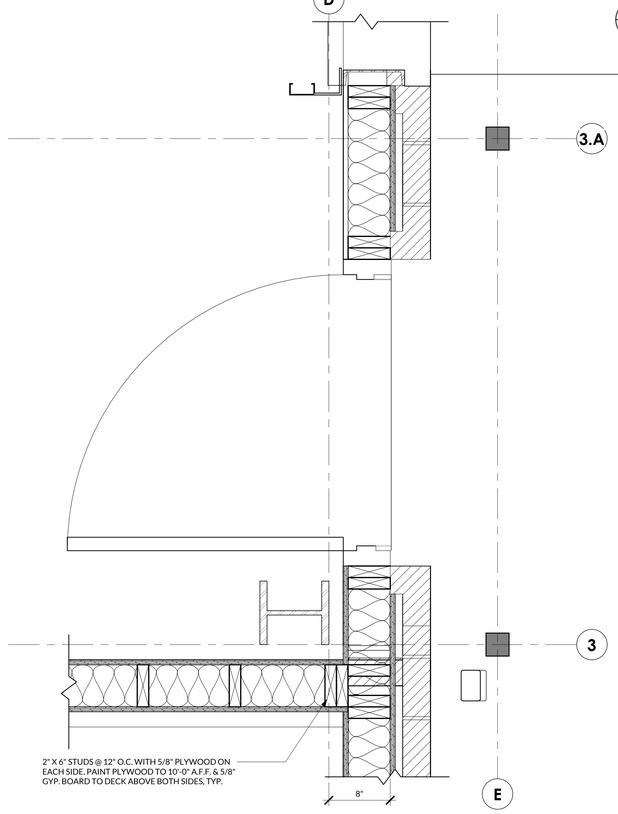


8 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE B3
1 1/2" = 1'-0"

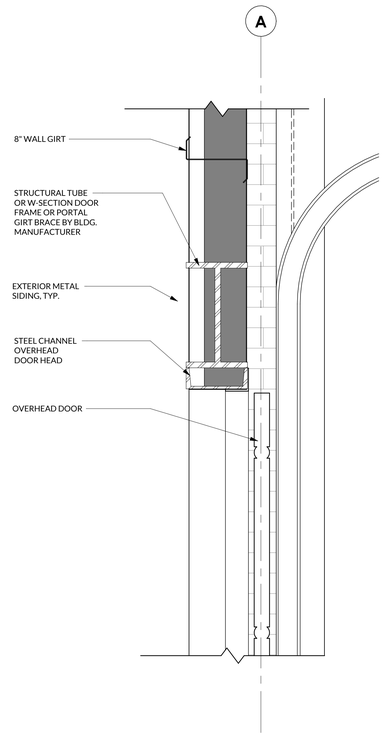




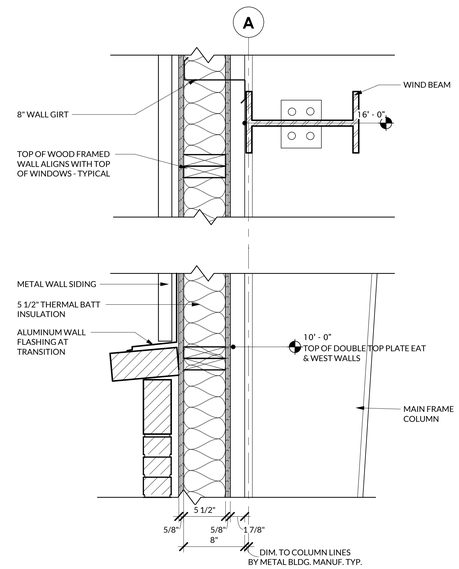
9 / A704 — WALL SECTION DETAIL - HIGH WINDOW
1 1/2" = 1'-0"



10 / A704 — ENLARGED PLAN DETAIL - VEHICLE STOR. BLDG. COL LINE D3
1 1/2" = 1'-0"



11 / A704 — WALL SECTION DETAIL - OVERHEAD DOOR
1 1/2" = 1'-0"



12 / A704 — WALL SECTION DETAIL - EXTERIOR TRANSITION
1 1/2" = 1'-0"

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PROFESSIONAL SEALS:





PROJECT INFORMATION:

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Plan North

Not to Scale

REVISIONS

No.	Date	Description

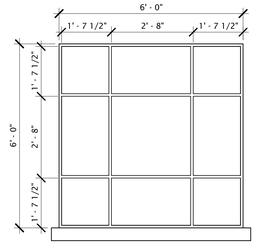
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	MTM	DBD	12.19.2025

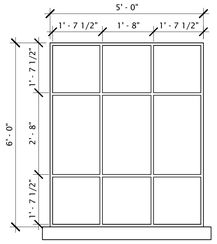
SHEET NAME:

ENLARGED PLAN & WALL SECTION DETAILS - VEHICLE STORAGE BUILDING

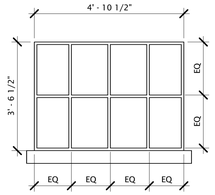
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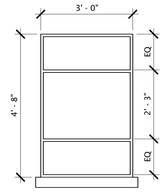
TYPE S1



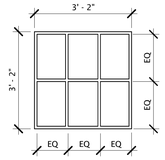
TYPE S2



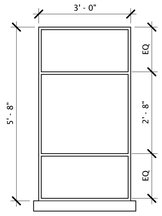
TYPE S3



TYPE S4

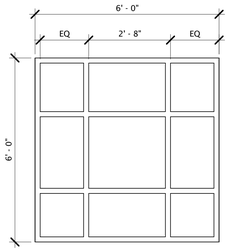


TYPE S5

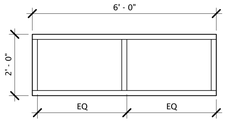


TYPE S6

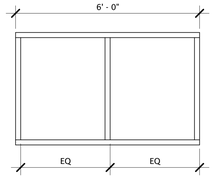
EXTERIOR STEEL WINDOW TYPES
1/2" = 1'-0"



TYPE SFE1

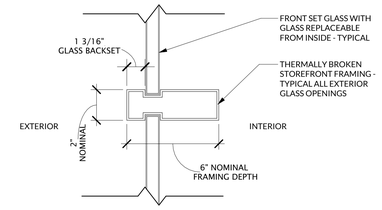


TYPE SFE2



TYPE SFE3

EXTERIOR STOREFRONT WINDOW TYPES
1/2" = 1'-0"



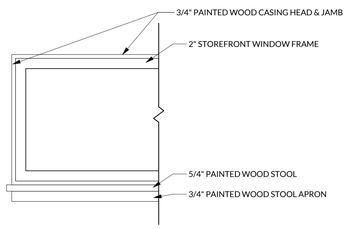
TYPICAL SECTION - EXTERIOR STOREFRONT
3" = 1'-0"

EXTERIOR WINDOW SCHEDULE

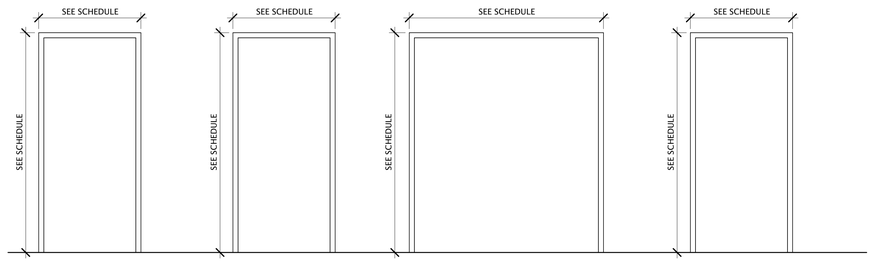
Type Mark	Description	Height	Width
S1	ORIGINAL OPENING 6'w x 6'h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	6' - 0"	6' - 0"
S2	ORIGINAL OPENING 5'w x 6'h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	6' - 0"	5' - 0"
S3	ORIGINAL OPENING 58 1/2" w X 42 1/2"h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	3' - 6 1/2"	4' - 10 1/2"
S4	ORIGINAL OPENING 36" w X 56"h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	4' - 8"	3' - 0"
S5	ORIGINAL OPENING 38" w X 38"h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	3' - 2"	3' - 2"
S6	ORIGINAL OPENING 36" w X 68"h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	5' - 8"	3' - 0"
S7	ORIGINAL OPENING 5'w x 6'h - FIXED STEEL HISTORIC REPLACEMENT WINDOW	6' - 0"	5' - 0"
SFE1	NEW 6' x6' FIXED ALUMINUM STOREFRONT WINDOW TO MATCH OPENING SIZE & MULLION PATTTERN OF ORIGINAL HISTORIC WINDOWS	6' - 0"	6' - 0"
SFE2	NEW ALUMINUM STOREFRONT WINDOW 6' w x 2' h	2' - 0"	6' - 0"
SFE3	NEW ALUMINUM STOREFRONT WINDOW 6' w x 44" h	3' - 8"	6' - 0"
Grand total: 49			

DOOR AND FRAME SCHEDULE

DOOR MARK	ROOM NAME	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	FRAME TYPE	HARDWARE SET	ACCESS CONTROL	COMMENTS
001	UTIL ADMIN LOBBY	FLE	3' - 0"	7' - 0"	AL	HW-1	Yes	
002	UTIL ADMIN CONFERENCE ROOM	FLI	3' - 0"	7' - 0"	AL	HW-2	Yes	
002A	UTIL ADMIN CONFERENCE ROOM	FLI	3' - 0"	7' - 0"	AL	HW-15	No	
03	STORAGE	FHM	4' - 2"	7' - 0"	HM	HW-3	Yes	MASONRY HM FRAME 4" HEAD
003	UTIL ADMIN STORAGE	FW	3' - 0"	7' - 0"	HM	HW-4	No	
004	UTIL ADMIN OFFICE 6	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
05	STORAGE	FW	4' - 0"	7' - 0"	HM	HW-3	Yes	MASONRY HM FRAME 4" HEAD
005	UTIL ADMIN WOMEN'S TOILET ROOM	FW	3' - 0"	7' - 0"	HM	HW-6	No	
05A	RINSE BASIN	FHM	4' - 2"	7' - 0"	HM	HW-3	Yes	MASONRY HM FRAME 4" HEAD
006	UTIL ADMIN MECH.	FW	6' - 0"	7' - 0"	HM	HW-10	No	
007	UTIL ADMIN EVS	FW	6' - 0"	7' - 0"	HM	HW-11	No	
008	UTIL ADMIN MEN'S TOILET ROOM	FW	3' - 0"	7' - 0"	HM	HW-6	No	
010	UTIL ADMIN OFFICE 5	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
011	UTIL ADMIN OFFICE 4	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
013	UTIL ADMIN OFFICE 3	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
014	UTIL ADMIN OFFICE 2	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
015	UTIL ADMIN IT SERVER	FW	3' - 0"	7' - 0"	HM	HW-12	Yes	UNDERCUT DOOR 3/4"
016	UTIL ADMIN OFFICE 1	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
017	UTIL ADMIN LOBBY	FLI	3' - 0"	7' - 0"	AL	HW-1	Yes	
017A	UTIL ADMIN CIRCULATION	FLE	3' - 0"	7' - 0"	AL	HW-1	Yes	
018	UTIL. ADMIN STORAGE	FW	3' - 0"	7' - 0"	HM	HW-4	No	
100	LOBBY	FLE	3' - 0"	7' - 0"	AL	HW-1	Yes	
102	CONF. RM	FLI	3' - 0"	7' - 0"	AL	HW-15	No	
103	OFFICE 3	FLI	3' - 0"	7' - 0"	AL	HW-5	No	
105	OFFICE 4	FLI	3' - 0"	7' - 0"	AL	HW-5	No	
106	MEN'S SHOWERS	-	3' - 0"	7' - 0"	HM-4	-	No	CASED OPENING - NO HARDWARE
107	MECH	FW	3' - 0"	7' - 0"	HM	HW-4	No	
107A	SERVER IT	FW	3' - 0"	7' - 0"	HM	HW-12	Yes	
108	MEN'S LOCKER ROOM	FLI	3' - 0"	7' - 0"	HM	HW-7	No	
109	MENS FOYER	FLI	3' - 0"	7' - 0"	HM	HW-7	No	
109A	MENS TOILET ROOM	FW	3' - 0"	7' - 0"	HM	HW-7	No	
110	CORRIDOR	FLE	3' - 0"	7' - 0"	AL	HW-1	Yes	
111	LAUNDRY	FW	3' - 0"	7' - 0"	HM	HW-7	No	
113	SINGLE RESTROOM	FW	3' - 0"	7' - 0"	HM	HW-6	No	
114	EVS	FW	3' - 0"	7' - 0"	HM	HW-4	No	
115	STORAGE	FW	3' - 0"	7' - 0"	HM	HW-4	No	
116	STAFF WORK AREA	FW	3' - 0"	7' - 0"	HM	HW-8	No	
116A	FIELD SUPERVISOR'S OFFICE 5	FWL	3' - 0"	7' - 0"	HM	HW-5	No	
116B	STAFF WORK AREA	BD	3' - 0"	6' - 8"	BD	HW-9	No	BARN DOOR SURFACE MOUNTED RAIL - NO LOCKSET
116C	STAFF WORK AREA	BD	3' - 0"	6' - 8"	BD	HW-9	No	BARN DOOR SURFACE MOUNTED RAIL - NO LOCKSET
117	BREAK AREA	FLE	3' - 0"	7' - 0"	AL	HW-1	Yes	
B3	TOILET	FW	3' - 0"	7' - 0"	HM	HW-6	No	MASONRY HM FRAME 4" HEAD



TYPICAL WINDOW ELEVATION DETAIL
1" = 1'-0"



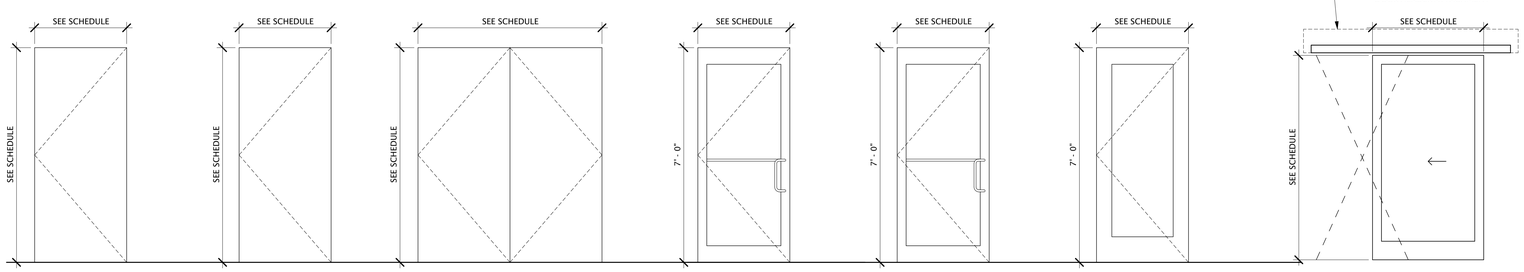
TYPE HM1
INTERIOR

TYPE HM2
EXTERIOR W/
THERMAL BREAK

TYPE HM3
INTERIOR
OVERSIZED

TYPE HM4
INTERIOR CASED
OPENING - NO RABBET

DOOR FRAME TYPES
1/2" = 1'-0"



TYPE FI
FLUSH INTERIOR

TYPE FE
FLUSH EXTERIOR

TYPE DI
DOUBLE EXTERIOR

TYPE FLE
ALUMINUM STOREFRONT
FULL LITE EXTERIOR -
THERMALLY BROKEN FRAME
SYSTEM

TYPE FLI
ALUMINUM
STOREFRONT FULL
LITE INTERIOR

TYPE FWL
FLUSH WOOD WITH
FULL LITE INTERIOR

DOOR & FRAME TYPE BD
SURFACE MOUNTED TRACK
BARN DOOR

DOOR TYPES
1/2" = 1'-0"

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11381
NORTH CAROLINA
12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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2231.01	JSM	DBD	12.19.2025

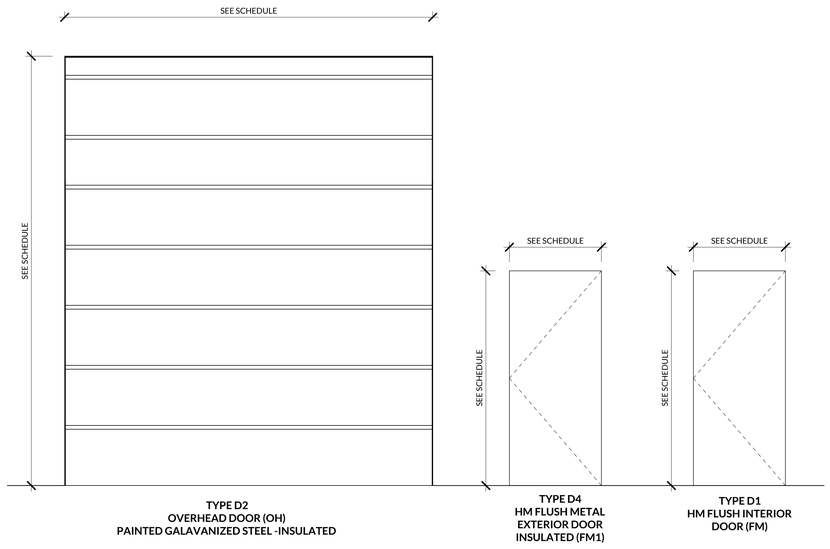
SHEET NAME:

WINDOW, DOOR & FRAME SCHEDULES & ELEVATIONS - ADDITION & RENOVATION

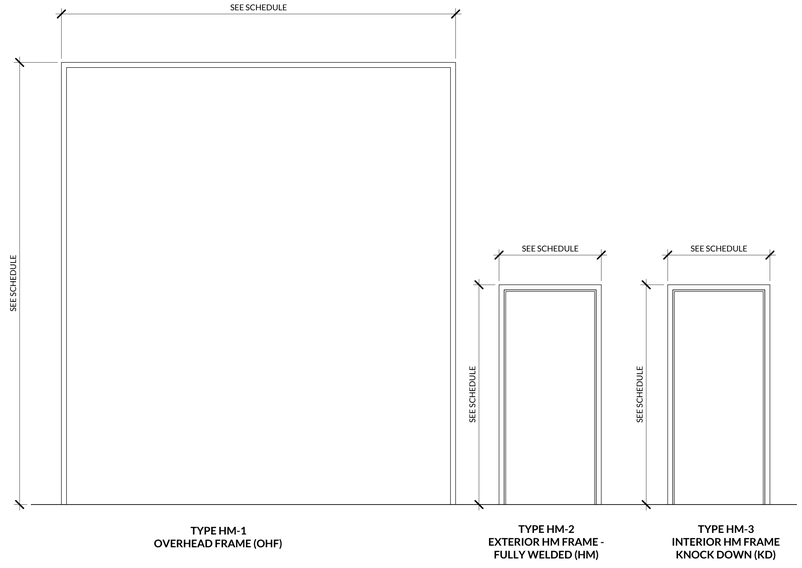
A801

DOOR AND FRAME SCHEDULE

Door	Room	Door			Frame		Hardware Set	ACCESS CONTROL	Comments
Mark	Name	Type	Total Width	Height	Type	Material			
V01	WELDING SHOP/ MAINTENANCE BAYS	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V02	WELDING SHOP/ MAINTENANCE BAYS	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V03	WELDING SHOP/ MAINTENANCE BAYS	D4	3' - 0"	7' - 0"	HM	HM-2	HW-14	YES	ELECTRONIC LOCKSET ACCESS CONTROL
V04	VEHICLE STORAGE BUILDING	D4	3' - 0"	7' - 0"	HM	HM-2	HW-14	YES	ELECTRONIC LOCKSET ACCESS CONTROL
V05	VEHICLE STORAGE BUILDING	D1	3' - 0"	7' - 0"	HM	HM-3	HW-7		PASSAGE SET WITH CLOSER
V06	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V07	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V08	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V09	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V10	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V11	VEHICLE STORAGE BUILDING	D2	12' - 0"	14' - 0"	OHF	HM-1	HW-13		OVERHEAD DOOR - PROVIDE LOCKEST TO HARDWARE BY DOOR MANUFACTURER
V12	VEHICLE STORAGE BUILDING	D4	3' - 0"	7' - 0"	HM	HM-2	HW-14	YES	ELECTRONIC LOCKSET ACCESS CONTROL



1 A802 **DOOR TYPES**
1/2" = 1'-0"

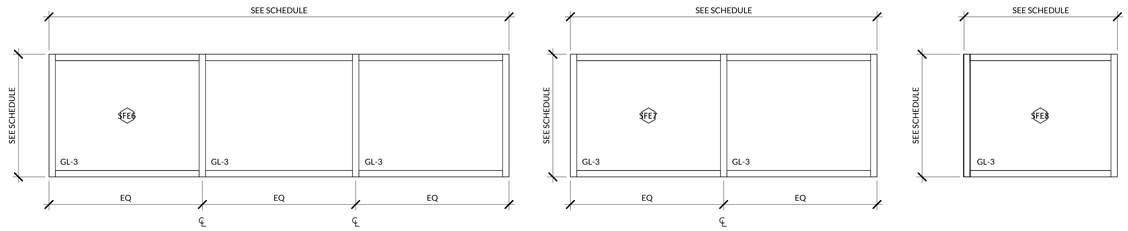


2 A802 **FRAME TYPES**
1/2" = 1'-0"

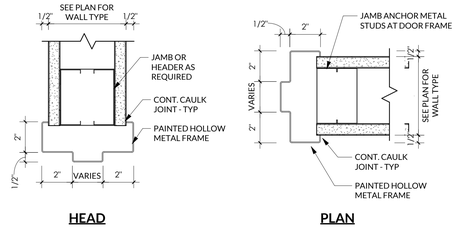
EXTERIOR WINDOW SCHEDULE

Type Mark	Description	Height	Width
SFE6	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	15' - 0"
SFE7	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	10' - 0"
SFE8	NEW ALUMINUM STOREFRONT - 2"X6" FRAMES WITH EXTERNAL SET GLAZING	4' - 0"	5' - 0"

Grand total: 6



3 A802 **WINDOW TYPES**
1/2" = 1'-0"



4 A802 **TYPICAL DOOR FRAME DETAILS**
3" = 1'-0"

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CERT. NO. 400
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DURHAM, N.C.

DAVID BLAKE DANIEL
REGISTERED ARCHITECT
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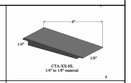
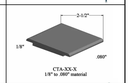
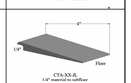
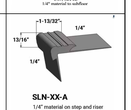
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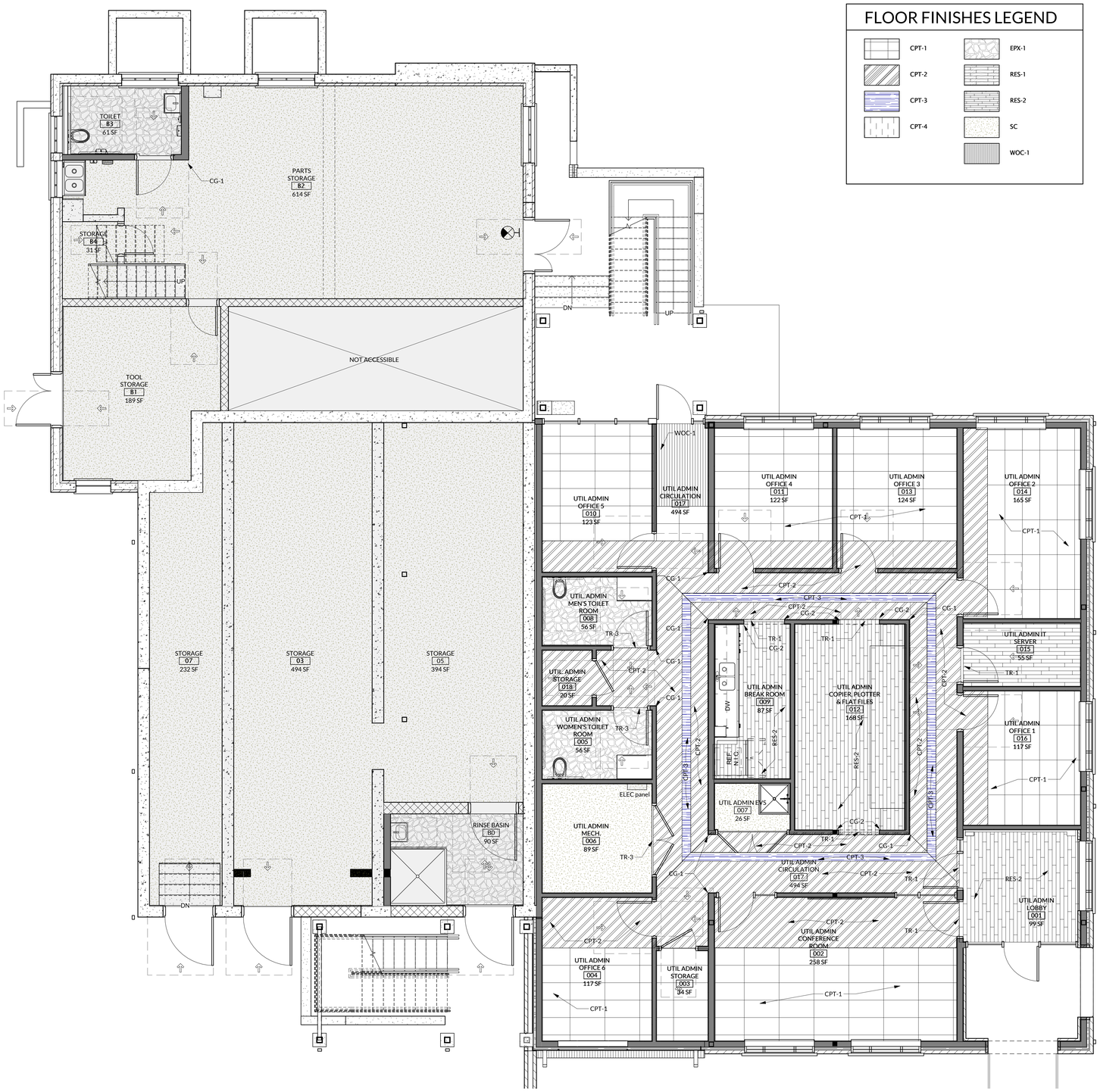
SHEET NAME:

DOOR SCHEDULE & DETAILS - VEHICLE STORAGE BUILDING

A802

FINISHES TRANSITIONS

TR-1: CARPET TILE TO RESILIENT JOHNSONITE WHEELED TRAFFIC TRANSITION	
TR-2 : RESILIENT TO EPOXY	
TR-3 CARPET TILE TO EPOXY/SEALED CONCRETE	
STR-1 STAIR NOSING WITH CARPET TREAD AND RISER	
WTR-1 : WALL TRIM EPOXY TO GWB SCHLUTER JOLLY PROFILE	
WTR-2 : WALL TRIM OUTSIDE CORNER SCHLUTER RONDEC PROFILE	
GC TO PROVIDE TRANSITION SAMPLES WITH CONTROL SAMPLE TRIM DIMENSIONS AND SIZING TO BE DETERMINED DURING CA PROCESS	



FLOOR FINISHES LEGEND

CPT-1	EPX-1
CPT-2	RES-1
CPT-3	RES-2
CPT-4	SC
	WOC-1

1 A901 **FINISH FLOOR PLAN - LOWER LEVEL**
1/4" = 1'-0"

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DAVID BLAKE DANIEL ARCHITECTURAL CORPORATION NORTH CAROLINA 11381 12.19.2025

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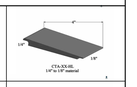
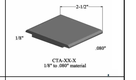
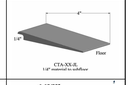
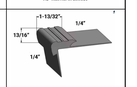
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SHEET NAME:

ADDITION FINISH FLOOR PLAN - LOWER LEVEL

A901

FINISHES TRANSITIONS

TR-1: CARPET TILE TO RESILIENT JOHNSONITE WHEELED TRAFFIC TRANSITION	
TR-2 : RESILIENT TO EPOXY	
TR-3 CARPET TILE TO EPOXY/SEALED CONCRETE	
STR-1 STAIR NOSING WITH CARPET TREAD AND RISER	
WTR-1 : WALL TRIM EPOXY TO GWB SCHLUTER JOLLY PROFILE	
WTR-2 : WALL TRIM OUTSIDE CORNER SCHLUTER RONDEC PROFILE	
GC TO PROVIDE TRANSITION SAMPLES WITH CONTROL SAMPLE TRIM DIMENSIONS AND SIZING TO BE DETERMINED DURING CA PROCESS	



1 A902 **FINISH FLOOR PLAN - MAIN LEVEL**
1/4" = 1'-0"

FLOOR FINISHES LEGEND

- CPT-1
- CPT-2
- CPT-3
- CPT-4
- EPX-1
- RES-1
- RES-2
- SC
- WOC-1

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ADDITION FINISH FLOOR PLAN - MAIN LEVEL

A902

ROOM FINISH SCHEDULE

Room				WALLS					
No.	Name	Floor	Base	North	East	South	West	Ceiling	Finish Schedule Notes
001	UTIL ADMIN LOBBY	RES-2	VB-1	PT-1	PT-1	PT-2	PT-2	GWB	B
001B	STAIR	SC	VB-1						
002	UTIL ADMIN CONFERENCE ROOM	CPT-1, 2, 3	VB-1	PT-1	PT-3	PT-1	PT-1	ACT-1 /GWB	A, F
03	STORAGE	SC	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
003	UTIL ADMIN STORAGE	CPT-1	VB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
004	UTIL ADMIN OFFICE 6	CPT-1,2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	A
05	STORAGE	SC	VB-2	PT-1	PT-1	PT-1	PT-1	-	
005	UTIL ADMIN WOMEN'S TOILET ROOM	EPX-1	EPXB-1	PT-1	PT-1	WTIL-1,2,3/ PT-1	PT-1	ACT-1	B
006	UTIL ADMIN MECH.	SC	VB-2	PT-1	PT-1	PT-1	PT-1	-	
07	STORAGE	SC	VB-2	PT-1	PT-1	PT-1	PT-1	-	
007	UTIL ADMIN EVS	SC	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	
008	UTIL. ADMIN MEN'S TOILET ROOM	EPX-1	EPXB-1	WTIL-1,2,3/ PT-1	PT-1	PT-1	PT-1	ACT-1	B
009	UTIL ADMIN BREAK ROOM	RES-2	VB-2	PT-1	PT-1	PT-1	ACCENT PAINT	ACT-1	B
010	UTIL ADMIN OFFICE 5	CPT-1, 2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1/ GWB	A
011	UTIL ADMIN OFFICE 4	CPT-1, 2	VB-2	PT-1	PT-1	PT-1	PT-1		A
012	UTIL ADMIN COPIER, PLOTTER & FLAT FILES	RES-2	VB-2	PT-1	ACCENT PAINT	PT-1	PT-1	ACT-1	B
013	UTIL ADMIN OFFICE 3	CPT-1, 2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	A
014	UTIL ADMIN OFFICE 2	CPT-1, 2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	A
015	UTIL ADMIN IT SERVER	RES-2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	
016	UTIL ADMIN OFFICE 1	CPT-1, 2	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	A
017	UTIL ADMIN CIRCULATION	CPT- 2, 3	VB-2	PT-1	ACCENT PAINT	PT-1	ACCENT PAINT	ACT-1/GWB	A, F
018	UTIL. ADMIN STORAGE	CPT-1	VB-2	PT-1	PT-1	PT-1	PT-1	ACT-1	
100	LOBBY	EPX-1	EPXB-1	PT-1	PT-1	ACCENT PAINT	PT-1	REFER TO RCP	
101	OFFICE 1	CPT-4	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
102	CONF. RM	CPT-4	VB-1	ACCENT PAINT	PT-1	ACCENT PAINT / PT-1	PT-1	REFER TO RCP	
103	OFFICE 3	CPT-4	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
104	OFFICE 2	CPT-4	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
105	OFFICE 4	CPT-4	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
106	CORRIDOR	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
107	MECH	SC	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
107A	SERVER IT	SC	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
108	MEN'S LOCKER ROOM	EPX-1	EPXB-1	PT-1	PT-1	PT-1	ACCENT PAINT	REFER TO RCP	
108A	MEN'S SHOWERS	EPX-1	EPXB-1	PT-1/WTIL-4	PT-1/WTIL-4	PT-1/ WTIL-4	PT-3	REFER TO RCP	
109	MENS FOYER	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-2	REFER TO RCP	
109A	MENS TOILET ROOM	EPX-1	EPXB-1	PT-1	PT-1	WTIL-1,2,3, PT-1	PT-1	REFER TO RCP	
110	CORRIDOR	EPX-1	EPXB-1	PT-1	PT-1	PT-2	PT-1	REFER TO RCP	
111	LAUNDRY	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
112	KITCHEN	RES-1	VB-1	PT-1	ACCENT PAINT	PT-1	PT-1	REFER TO RCP	
113	SINGLE RESTROOM	EPX-1	EPXB-1	PT-1	PT-1	PT-1	WTIL-1,2,3 , PT-1	REFER TO RCP	
114	EVS	EPX-1	EPXB-1	PT-1	PT-1	PT-1/ WTIL-4	PT-1	ACT-1	
115	STORAGE	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
116	STAFF WORK AREA	EPX-1	EPXB-1	PT-1	ACCENT PAINT	PT-1	ACCENT PAINT	ACT-1	
116A	FIELD SUPERVISOR'S OFFICE 5	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-1	ACT-1	
117	BREAK AREA	RES-1	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
B0	RINSE BASIN	EPX-1	EPXB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
B1	TOOL STORAGE	SC	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
B2	PARTS STORAGE	SC	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	
B3	TOILET	EPX-1	EPXB-1	FRP-1/ PT-1 GLOSS	PT-1- GLOSS FINISH	PT-1- GLOSS FINISH	PT-1- GLOSS FINISH	REFER TO RCP	B
B4	STORAGE	SC	VB-1	PT-1	PT-1	PT-1	PT-1	REFER TO RCP	

FINISH SCHEDULE NOTES

A. MULTIPLE FLOOR FINISH MATERIALS, PLEASE REFER TO FLOOR FINISH PLAN A901 AND A902

B. REFER TO INTERIOR ELEVATIONS, CASEWORK ELEVATIONS AND FLOOR FINISH PLANS FOR SPECIFIC WALL FINISHES AND ACCENT PAINT WALLS.

C. ALL GWB SOFFITS TO BE PAINTED PT- 10 FLAT FINISH U.O.N.

D. ALL GWB WALLS TO BE PAINTED PT-1 EGGSHELL FINISH U.O.N.; REFER TO FINISH SCHEDULE AND ELEVATIONS FOR ACCENT PAINT LOCATIONS

E ALL RESILIENT BASE TO BE 100' OR MORE ROLLS, NOT 48" INDIVIDUAL LENGTHS

F. REFER TO REFLECTED CEILING PLANS FOR MULTIPLE FINISHES

G. CONTINUOUS ADHESION REQUIRED BETWEEN WALL BASE. INSTALLED BASE MUST BE SMOOTH WITH NO RIPPLES. NO SEAMS WITHIN 48" OF INSIDE OR OUTSIDE CORNERS.

H. ALL CLOSETS TO BE FINISHED TO MATCH ADJOINING ROOM U.O.N

I. PROVIDE 135 DEGREE FRAMELESS CONCEALED HINGES (EUROPEAN STYLE) AND HEAVY DUTY FULL EXTENSION DRAWER GLIDES ONLY.

J. NO ACCESS PANELS TO OCCUR AT GWB CEILINGS/ SOFFITS

K. PROVIDE ADDITIONAL BLOCKING AND/OR ANCHORS ABOVE CEILING AS REQUIRED FOR LIGHT FIXTURE AND/OR CEILING HUNG EQUIPMENT.

L. REFER TO INTERIOR ELEVATIONS FOR LOCATION OF WALL MOUNTED AV EQUIPMENT OR DIGITAL SIGNAGE

M. STAIR TREAD RISERS JOHNSONITE PLATINUM 21, CG SAFE "T " RIB SQUARE NOSE

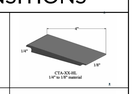
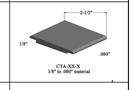
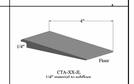
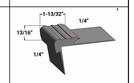
N. PAINT HOLLOW METAL FRAMES PT-11

P. REFER TO CASEWORK PLANS AND DETAILS FOR ADDITIONAL FINISHES

Q. REFER TO ENLARGED PLANS AND ELEVATIONS FOR SPECIFIC FINISH DESIGNATIONS

R. FINAL ACCENT COLOR TO BE APPROVED BY OWNER

FINISHES TRANSITIONS

TR-1 : CARPET TILE TO RESILIENT JOHNSONITE WHEELED TRAFFIC TRANSITION	
TR-2 : RESILIENT TO EPOXY	
TR-3 CARPET TILE TO EPOXY/SEALED CONCRETE	
STR-1 STAIR NOSING WITH CARPET TREAD AND RISER	
WTR-1 : WALL TRIM EPOXY TO GWB SCHLUTER JOLLY PROFILE	
WTR-2 : WALL TRIM OUTSIDE CORNER SCHLUTER RONDEC PROFILE	
GC TO PROVIDE TRANSITION SAMPLES WITH CONTROL SAMPLE TRIM DIMENSIONS AND SIZING TO BE DETERMINED DURING CA PROCESS	

INTERIOR FINISH MATERIAL LEGEND

Code	Manufacturer	BASIS OF DESIGN DESCRIPTION	ALT. MANUFACTURER 2- MATCH BASIS OF DESIGN	ALT. MANUFACTURER 3 MATCH BASIS OF DESIGN	Comments
ACT-1	ARMSTRONG	ACOUSTIC CEILING TILE-DUNE, 24" x 24" ; 5/8" THK, EDGE ANGLED TEGULAR	USG	CERTAINTEED	NRC-: 0.5; CAC : 35
AWP-1	MODULAR ARTS	ACCENT WALL PANEL - CHISLEY 32" X 32"	B+N INDUSTRIES	ARTICTURE	DECORATIVE EMBOSSED PANEL- LOWER LOBBY: https://modulararts.myshopify.com/products/_chisley-panels
CG-1	CAP CORNER GUARDS	2' x 2" x 60" STAINLESS STEEL CORNER GUARD	KOROSEAL	INPRO	MECHANICALLY FASTENED
CG-2	CAP CORNER GUARDS	END WALL U WRAP 60" HIGH	KOROSEAL	INPRO	MECHANICALLY FASTENED
CPT-1	SHAW CONTRACT	COLOR AT WORK II: STYLE CHROMATONE 5T444 : COLOR- SILVER CHARCOAL 07555	MILLIKEN	INTERFACE	FIELD TILE 18" X 36"
CPT-2	SHAW CONTRACT	COLOR AT WORK II: STYLE CHROMATONE 5T444 : COLOR- INDIGO CHARCOAL 07485	MILLIKEN	INTERFACE	ACCENT BLUE CARPET TILE 18" X36"
CPT-3	SHAW CONTRACT	COLOR AT WORK II: STYLE SATURATE 5T109 ; COLOR- INDIGO 07485	MILLIKEN	INTERFACE	ACCENT SATURATE BLUE TILE - 9" X 36"
CPT-4	J+J FLOORING	KINETIX ; STYLE - DIGITAL 1859/3573COLOR: ZONE 3573: SIZE 24" X 24" BACKING POLYESTER FELT CUSHION	E F CONTRACT	KINETIX	QUARTER TURN INSTALLATION: https://www.jjflooringgroup.com/product/digital/
EPX-1	DUR-A-FLEX	EPOXY FLOORING : COLOR OCEAN; MICRO FLECK	SHERWIN WILLIAMS RESULFLOR	SIKA CORP.	
EPXB-1	DUR-A-FLEX	EPOXY BASE: COLOR OCEAN; MICRO FLECK	SHERWIN WILLIAMS RESULFLOR	SIKA CORP.	6" BASE
FRP-1	MARLITE	FIBER GLASS BOARD - 4' x 8' SMOOTH FINISH	CRANE COMPOSITES	KAL-LITE	INSTALL AS PER MANUFACTURERS' RECOMMENDATIONS
GR-1	LATICRETE GROUT	NATURAL GREY #24	MAPEI	CUSTOM BUILD PRODUCTS	SEAL GROUT AS PER MANUFACTURER'S RECOMMENDATIONS
INTERIOR DOORS	MASONITE	WHITE OAK, PLAIN SLICED, CLEAR FINISH	CECO DOOR	LAMBTON DOORS	SEE ARCHITECTURAL SPECIFICATIONS
PLAM-1	WILSONART	LOST PINE Y0473K16 ; 16 CASUAL RUSTIC FINISH WITH AEON	NEVAMAR	FORMICA	RUN GRAIN HORIZONTAL TYP., BASE CABINET MAIN BREAKROOM
PLAM-2	WILSONART	WHITE CYPRESS 7976-K SOFT GRAIN FINISH AEON SCRATCH RESISTANCE	NEVAMAR	FORMICA	UPPER CABINETS - MAIN BREAKROOM - FINAL APPROVAL REQUIRED
PLAM-3	PANOLAM	NEVAMAR WZ0063 YUNNAN- FINISH ARP	NEVAMAR	FORMICA	LOWER CABINETS - LOWER LEVEL BREAKROOOM https://panolam.com/pattern-search/yunnan/
PLAM-4	WILSONART	VAPOR STRANDZ 4939K-18, LINEARITY FINISH AEON SCRATCH RESISTANT	NEVAMAR	FORMICA	UPPER CABINETS - LOWER LEVEL BREAK ROOM
PLAM-5	WILSONART	TRACELESS ACORN VELVET ELM : 15602-31	NEVAMAR	FORMICA	https://www.wilsonart.com/acorn-velvet-elm-15602- LOWER LOBBY MILWWORK
PT-1	SHERWIN WILLIAMS	FIELD WALL COLOR - SNOW BOUND SW7004- EGGSHELL	BENJAMIN MOORE	PPG INDUSTRIES	FINAL CLIENT APPROVAL REQUIRED
PT-2	SHERWIN WILLIAMS	ACCENT WALL PAINT-JACARANDA SW6802	BENJAMIN MOORE	PPG INDUSTRIES	FINAL CLIENT APPROVAL REQUIRED
PT-3	SHERWIN WILLIAMS	ACCENT WALL PAINT- OPEN SEAS SW 6500	BENJAMIN MOORE	PPG INDUSTRIES	FINAL CLIENT APPROVAL REQUIRED
PT-4	SHERWIN WILLIAMS	ACCENT WALL PAINT- AQUARIUM SW 6767	BENJAMIN MOORE	PPG INDUSTRIES	FINAL CLIENT APPROVAL REQUIRED
PT-10	SHERWIN WILLIAMS	CEILING WHITE	BENJAMIN MOORE	PPG INDUSTRIES	GWB SOFFITS U.O.N.
PT- 11	SHERWIN WILLIAMS	HOLLOW METAL DOOR FRAME PAINT- REQUISITE GREY SW 7023	BENJAMIN MOORE	PPG INDUSTRIES	SEMI GLOSS
RES-1	J+J FLOORING	LVT- STYLE: MAKE YOUR MARK; COLOR: 1063 SHADOW 9" X48" 3mm THK: ENHANCED UV CURED URETHANE W/CERAMIC BEAD	MANNINGTON	MOHAWK	10 YR COMMERCIAL WARRANTY: REQUIRED ADHESIVE: COMMERCIALON PREMIUM LVT ADHESIVE
RES-2	J+J FLOORING	LVT STYLE : FUSION V5006 ; COLOR- 1054 MELTING; FINISH - ENHANCED UV URETHANE WITH CERAMIC BEAD : 9" X 48"	MANNINGTON	MOHAWK	7 YR LIGHT COMMERCIAL WARRANTY: REQUIRED ADHESIVE COMMERCIALON lvt ADHESIVE
RS-1	LUTRON	ROLLER SHADES- MANUAL ROLLER SHADE- WITH FASCIA	MECHOSHADE	HUNTER DOUGLAS	FABRIC - E SCREEN STYLE: 3% OPENESS - WHITE PEARL, SEALED HEMBAR
SC	GHOST SHIELD	SEALED CONCRETE	LATICRETE	KEMPER SYSTEMS	
SSM-1	GEOS	SOLID SURFACE COLOR: OCEAN- 2mm THICK	ICESTONE	COSENTINO ECO	https://caragreen.com/brands/geos/
SSM-2	GEOS	SOLID SURFACE COLOR: ST LAWRENCE- 2mm THICK	ICESTONE	COSENTINO ECO	https://caragreen.com/brands/geos/
VB-1	JOHNSONITE	VINYL BASE : COVE 4" COLOR : CHARCOAL #20	TARKETT	FLEXCO	
VB-2	JOHNSONITE	VINYL BASE 8" HIGH - COLOR CHARCOAL	TARKETT	FLEXCO	
WOC-1	SHAW CONTRACT	WALK OFF CARPET TILE: BON JOUR II TILE COLOR STERLING 31557- 24" x 24"	MILLIKEN	INTERFACE	
WTIL-1	DALTILE	WALL TILE : COLOR WHEEL LINEAR- COLOR BISCUIT K175- SIZE 4" X12"	AMERICAN OLEAN	CROSSVILLE	USE WITH GR-1
WTIL-2	DALTILE	WALL TILE ACCENT : COLOR WHEEL LINEAR- COLOR MATTE ARCHITECTURAL GREY0709 - SIZE 4" X 12"	AMERICAN OLEAN	CROSSVILLE	USE WITH GR-1
WTIL-3	DALTILE	WALL TILE ACCENT : COLOR WHEEL LINEAR- COLOR SEA BREEZE 1174 - SIZE 4" X 12"	AMERICAN OLEAN	CROSSVILLE	USE WITH GR-1
WTILB-1	DALTILE	WALL TILE BASE 4"X12" FLAT TOP COVE BASE A34C1MOD	AMERICAN OLEAN	CROSSVILLE	USE WITH GR-1, TYPICAL WALL BASE TILE

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IN ASSOCIATION WITH:

PROFESSIONAL SEALS:





PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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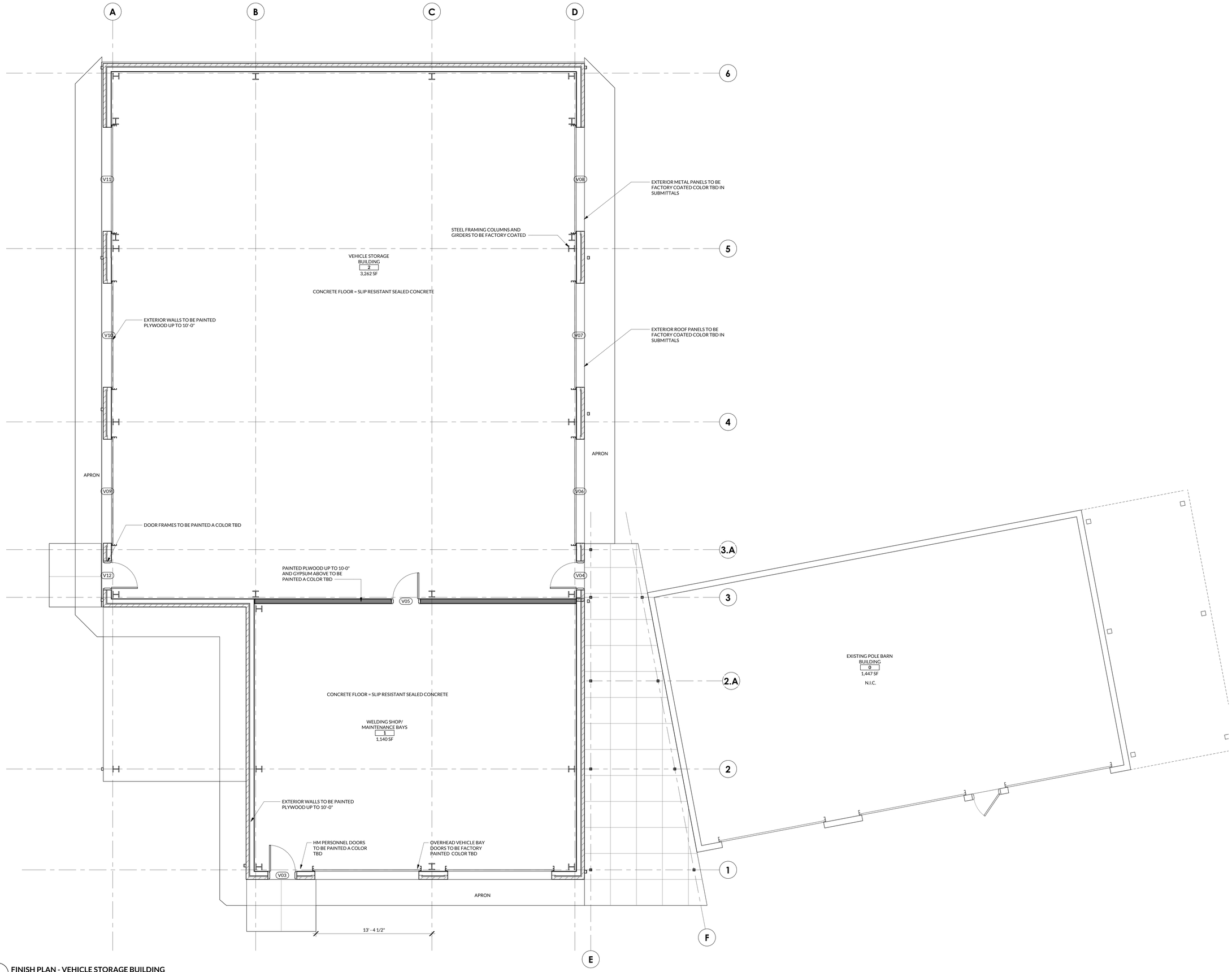
Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	EMC	DBD	12.19.2025

SHEET NAME:

FINISH LEGEND AND SCHEDULES

A903



1 A904 **FINISH PLAN - VEHICLE STORAGE BUILDING**
1/4" = 1'-0"

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DAVID BLAKE DANIEL REGISTERED ARCHITECT 11381 NORTH CAROLINA 12.19.2025

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmicks Mill Road, Hillsborough, NC

KEY PLAN:

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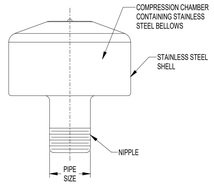
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JSM	DBD	12.19.2025

SHEET NAME:

FINISH PLAN - VEHICLE STORAGE BUILDING

A904

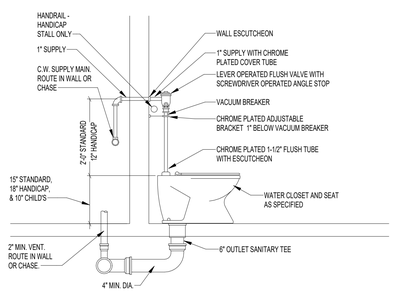


SHOCK ARRESTOR SCHEDULE

MANUFACTURER	P.D.I. SYMBOL	FIXTURE UNITS	PIPE SIZE	ARRESTOR LENGTH
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	A	1-11	3/4"	3-1/4"
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	B	12-32	1"	4-1/16"
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	C	33-60	1"	4-3/8"
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	D	61-113	1"	5-1/4"
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	E	114-154	1"	7-1/32"
JAY R. SMITH MFG. SERIES 5000 "HYDROTROL"	F	155-330	1"	7-1/32"

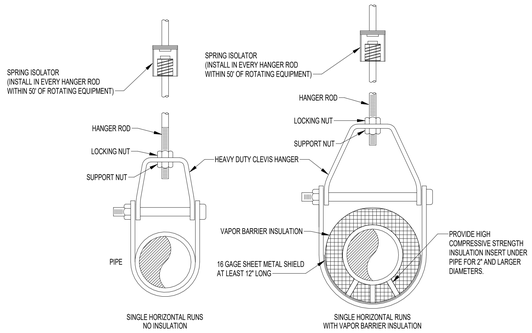
NOTE:
1. ALWAYS INSTALL IN VERTICAL POSITION.
2. MANUFACTURER EQUALS: ZURN Z1700, PPP SBHA-500A - SBHA-2000F.
3. ARRESTOR SHALL BE ALL STAINLESS STEEL CONSTRUCTION WITH STAINLESS STEEL BELLOWS.

1 P001 Shock Arrestor Schedule
SCALE: NONE

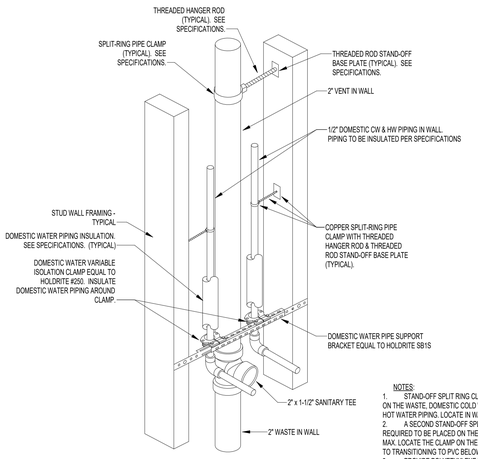


NOTE:
1. PLUMBING CONTRACTOR SHALL INSTALL SHOCK ARRESTORS TO FIXTURES PER PLANS AND RISER DIAGRAMS.
2. ALL PRE-KINDERGARTEN AND KINDERGARTEN TOILETS SHALL BE LOCATED A MAX. OF 12" OFF OF PARALLEL WALL WITH TOILET.

4 P001 Floor-Mounted Water Closet Detail
SCALE: NONE

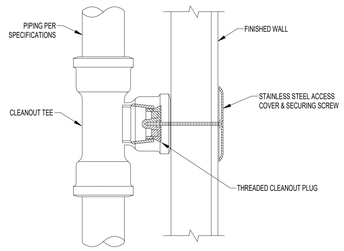


2 P001 Clevis Hanger Detail
SCALE: NONE

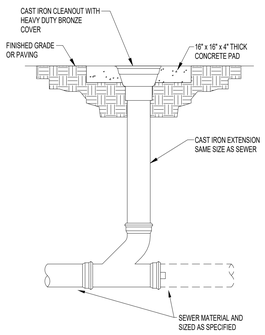


NOTES:
1. STAND-OFF SPLIT RING CLAMPS SHALL BE LOCATED ON THE WASTE, DOMESTIC COLD WATER, AND DOMESTIC HOT WATER PIPING. LOCATE IN WALL AT PIPE MIDPOINT.
2. A SECOND STAND-OFF SPLIT RING CLAMP IS REQUIRED TO BE PLACED ON THE WASTE PIPING 18" AFF MAX. LOCATE THE CLAMP ON THE CAST IRON PIPE PRIOR TO TRANSITIONING TO PVC BELOW SLAB.
3. PROVIDE POLYETHYLENE TUBE ISOLATORS WHEN PASSING THROUGH STUD WALLS. ISOLATOR TO EQUAL HOLDRITE MODEL #104
4. METAL STRAPPING IS NOT MERMITTING TO BE USED FOR PIPE SUPPORT.
5. CONTACT ENGINEERS OFFICE FOR REVIEW OF PIPE ROUGH-INS WITH WATER TEST ON.
6. CONTACT ENGINEERS OFFICE FOR REVIEW OF COMPLETED INSULATION PRIOR TO WALL BOARD INSTALLATION

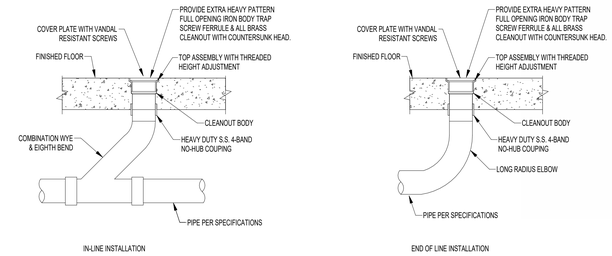
3 P001 Fixture Connection Pipe Support Detail
SCALE: NONE



5 P001 Wall Cleanout Detail
SCALE: NONE



6 P001 Exterior Cleanout Detail
SCALE: NONE



7 P001 Interior Floor Cleanout Detail
SCALE: NONE

FLOOR DRAIN SCHEDULE

NUMBER	MODEL NUMBER
FD-A	ZURN ZN-415, DURA COATED CAST IRON BODY ADJUSTABLE 6" B-TYPE NICKLE BRONZE STRAINER
FS-1	ZURN Z1752, STAINLESS STEEL, NON-TILT LOOSE SET HALF GRATE WITH 12" SQUARE OPENINGS AND ANTI-SPLASH STAINLESS SHTEEL INTERIOR DOME STRAINER.

OR PRE-APPROVED EQUAL PRODUCTS BY THE FOLLOWING:

1. SMITH
2. JOSAM

PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SANITARY SEWER PIPING
	VENT PIPING
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
RDL	ROOF DRAIN LEADER PIPING
G	GAS PIPING
GW	GREASE WASTE PIPING
	FLOOR/GRADE CLEANOUT
	FLOOR DRAIN
	GATE VALVE
	BALL VALVE
	POINT OF CONNECTION
	POINT OF DEMOLITION
SA-?	SHOCK ARRESTOR TYPE PER P.D.I.
	PIPE TURN DOWN
	PIPE RISE UP
	FLOW DIRECTIONAL ARROW
	CHECK VALVE
	END OF LINE CLEANOUT OR WALL CLEANOUT
	HOSE BIBB OR WALL HYDRANT
	PIPE CAP
P-	PLUMBING FIXTURE NUMBER
	PIPE UNION
	RECIRCULATION PUMP
	BALANCING VALVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
CO	CLEAN OUT
CW	COLD WATER
DN	DOWN
FD	FLOOR DRAIN
HW	HOT WATER
HWR	HOT WATER RECIRC
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
V	VENT
VTR	VENT THROUGH THE ROOF
W	WASTE PIPE

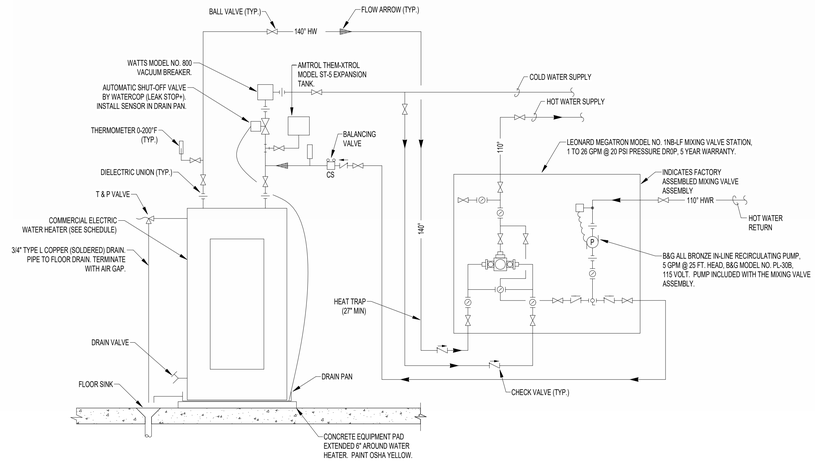
FIXTURE SCHEDULE

DESIG	FIXTURE	WASTE	CW	HW	REMARKS
P-1	WATER CLOSET	4"	1"	-	FLOOR MOUNTED, FLUSH VALVE, 1.6 GPF, 15" AFF
P-2	WATER CLOSET (ADA)	4"	1"	-	FLOOR MOUNTED, FLUSH VALVE, 1.6 GPF, ADA, 17" AFF
P-3	URINAL	2"	3/4"	-	0.5 GPF, 24" AFF TO RIM
P-3A	URINAL	2"	3/4"	-	0.5 GPF, 17" AFF TO RIM
P-4	LAVATORY	1-1/4"	1/2"	1/2"	UNDER MOUNT, ADA, SENSOR FAUCET, 0.5 GPM, 34" AFF TO RIM
P-5	LAVATORY	1-1/4"	1/2"	1/2"	WALL MOUNT, ADA, SINGLE HANDLE FAUCET, 0.5 GPM, 34" AFF TO RIM
P-6	LAVATORY	1-1/4"	1/2"	1/2"	DROP-IN, ADA, SINGLE HANDLE FAUCET, 0.5 GPM. 34" AFF TO RIM
P-7	TWO COMPARTMENT SINK	1-1/2"	1/2"	1/2"	UNDERMOUNT, SINGLE HANDLE HANDLE FAUCET, 1.5 GPM
P-8	MOP SINK	3"	1/2"	1/2"	MOP HANGER, HOSE, (2) STAINLESS STEEL WALL GUARDS
P-9	ANTI-FREEZE HYDRANT	3" (AT BOOT WASH ONLY)	1/2"		18" AFF OR AFG
P-10	SHOWER	2"	1/2"	1/2"	SHOWER BASE AND SURROUND BY ARCHITECT, 1.5 GPM SHOWER HEAD
P-11	SHOWER (ADA)	2"	1/2"	1/2"	SHOWER BASE AND SURROUND BY ARCHITECT, ADA TRANSFER, 1.5 GPM SHOWER HEAD
P-12	HOSE BIB	-	1/2"	-	INSTALLED IN TOILET ROOMS, 18" AFF, CAST BRASS WALL BOX
P-13	HOSE BIB	-	1/2"	-	INSTALLED IN MECHANICAL ROOMS, 18" AFF
P-14	WASHING MACHINE BOX	2"	1/2"	1/2"	METAL WASHER BOX W/SHOCK ARRESTORS AND QUARTER TURN VALVES, 42" AFF
P-15	ICE MAKER BOX	-	1/2"	-	METAL ICE MAKER BOX W/SHOCK ARRESTOR AND QUARTER TURN VALVE, 18" AFF
P-16	DISH WASHER BOX	2"	-	1/2"	METAL DISHWASHER BOX W/SHOCK ARRESTOR AND QUARTER TURN VALVE, 18" AFF
P-17	WATER COOLER BI-LEVEL	1-1/2"	1/2"	1/2"	BI-LEVEL WATER COOLER. MOUNT LOWER LEVEL UNIT 34" AFF
P-18	EXISTING DOUBLE BOWL SINK	2"	1/2"	1/2"	REINSTALL EXISTING DOUBLE BOWL SINK AND WELDED STAND, PROVIDE NEW ROUGH-INS AND SINGLE HANDLE FAUCET, 1.5 GPM

WATER HEATER SCHEDULE

DESIG.	MANUF	MODEL	TYPE	ENERGY SOURCE	VOLTS	PHASE (φ)	AMPERAGE	DEMAND (KW)	ELEMENT QUANTITY	SIMULTANEOUS ELEMENT OPERATION	RECOVERY CAPACITY (GPH)	REMARKS
WH-1	STATE	CSB-120	FLOOR MOUNT	ELEC	208V	3φ	41.6A	15KW	3	N/A	61	SEE ALL BELOW

REMARKS
1. WATER HEATER IS INDOOR, COMMERCIAL TYPE.
2. PROVIDE WITH MIXING STATION (SEE DETAIL).
3. BASED ON 100°F TEMPERATURE DIFFERENTIAL.
4. SET WATER HEATER DISCHARGE TEMPERATURE TO 140°F.
5. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL EQUIPMENT CHARACTERISTICS.
6. PROVIDE WITH THERMOSTATIC MIXING VALVE (SEE DETAIL).
7. SET THERMOSTATIC MIXING VALVE DISCHARGE TEMPERATURE TO 110°F.
8. SHALL HAVE 120 GALLONS OF STORAGE CAPACITY.
9. SHALL MEET NAECA 16 ENERGY STANDARD REQUIREMENTS.



8 P001 Water Heater Installation Detail
SCALE: NONE

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PROFESSIONAL SEALS:



PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

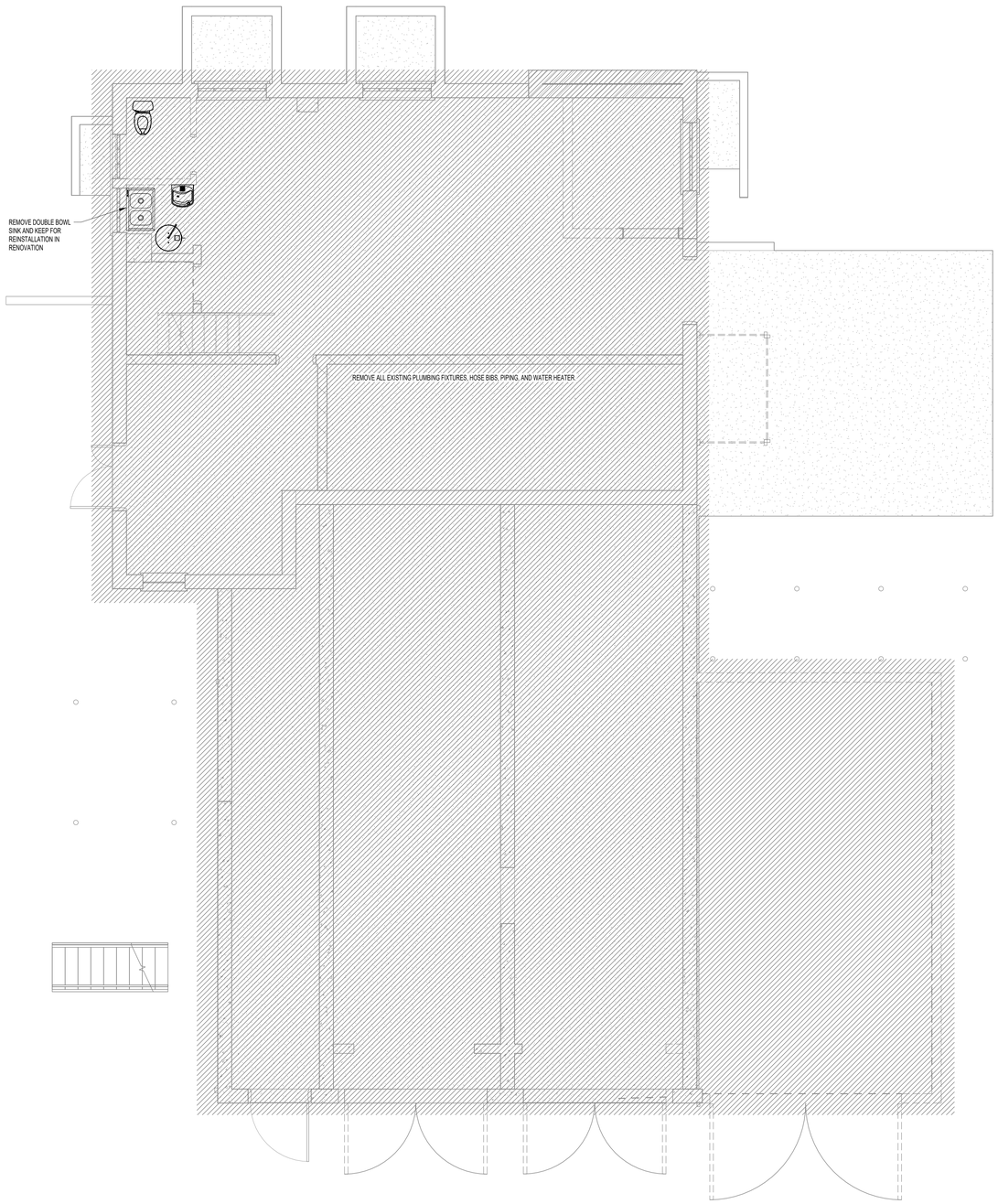
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Plumbing Cover Sheet

P001



1 / P101 Plumbing Demolition Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 23946 REGISTERED LANDSCAPE ARCHITECT 12-19-25 DAVID TUCKER

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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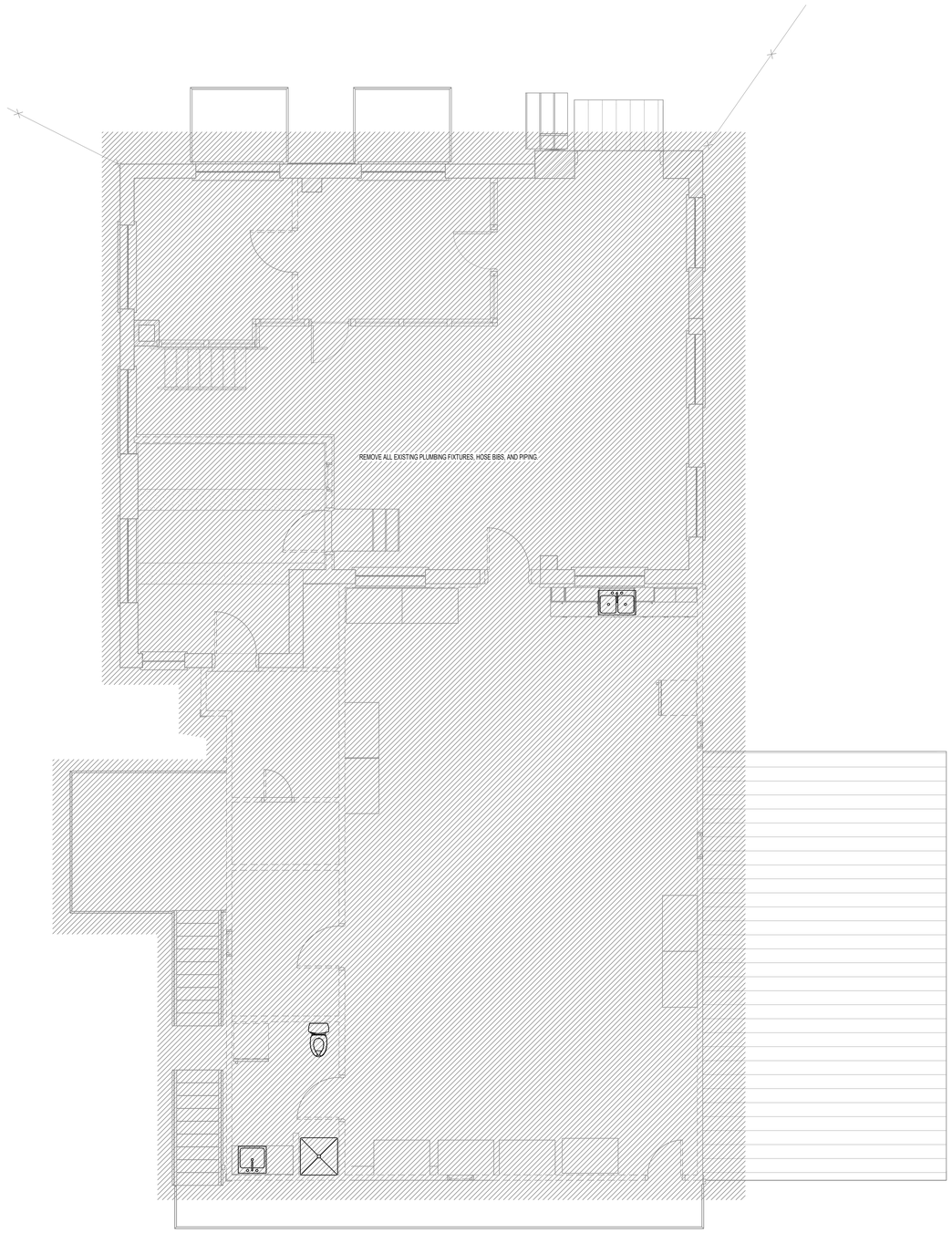
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2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Plumbing Demolition Plan - Lower Level

P101



1 / P102 Plumbing Demolition Plan - Main Level

SCALE: 1/4" = 1'-0"

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NORTH CAROLINA 13946 DAVID TUCKER 12-19-25

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Plan North

Not to Scale

REVISIONS

No.	Date	Description

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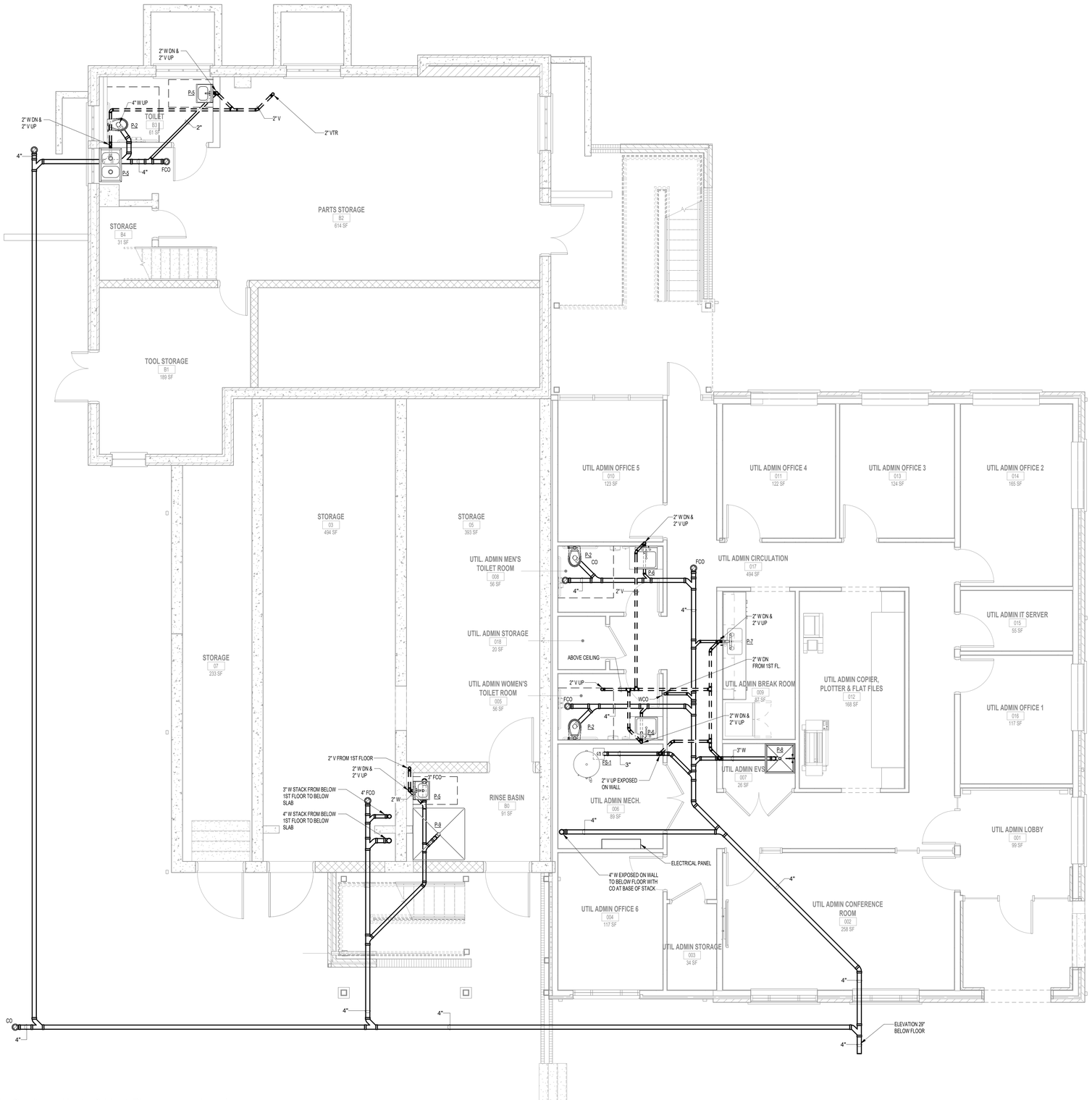
Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Plumbing Demolition Plan - Main Level

P102



1
P201

Sanitary Waste & Vent Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 13946 DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

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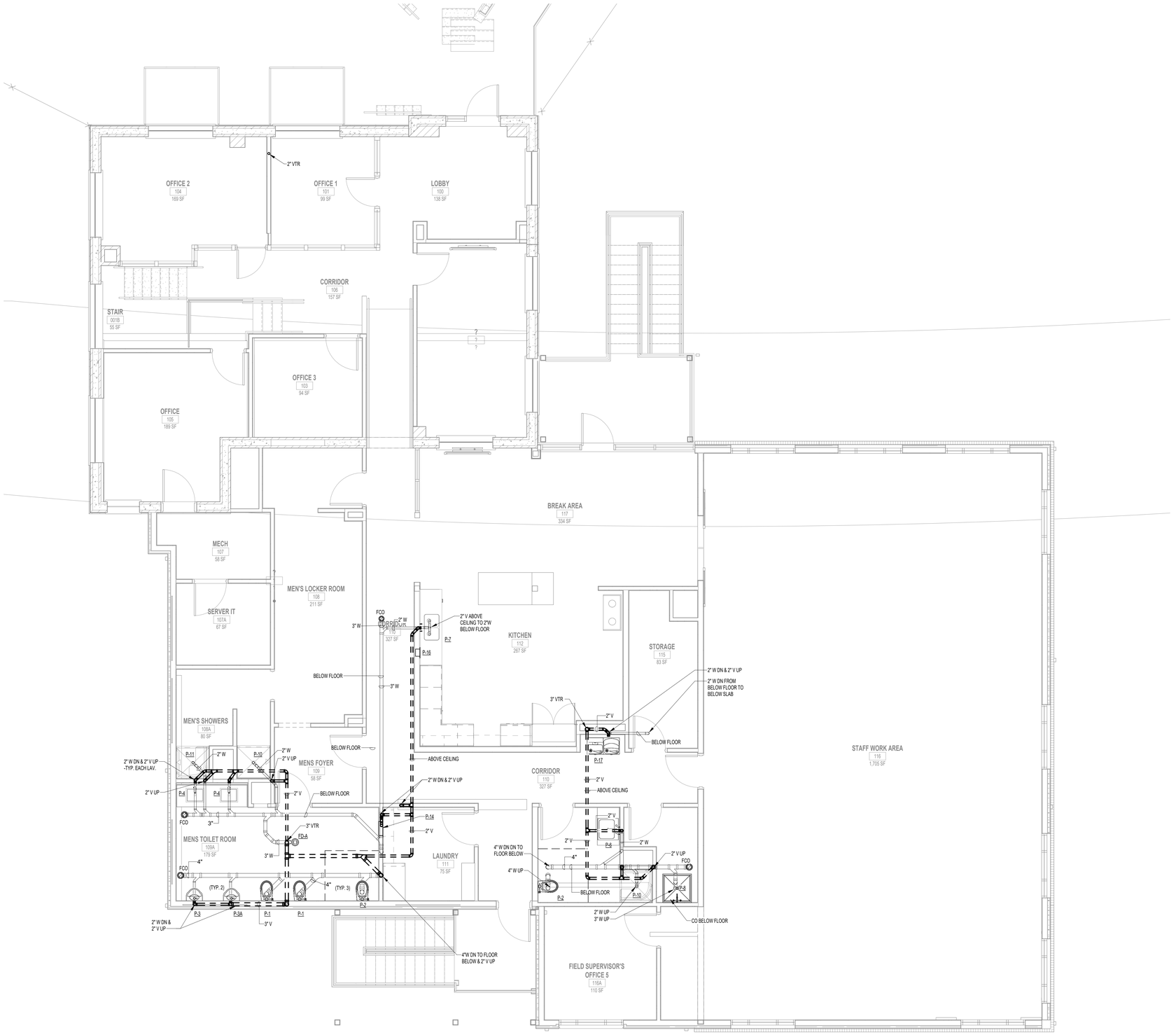
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Sanitary Waste & Vent Plan - Lower Level

P201



1 / P202 Sanitary Waste & Vent Plan - Main Level

SCALE: 1/4" = 1'-0"

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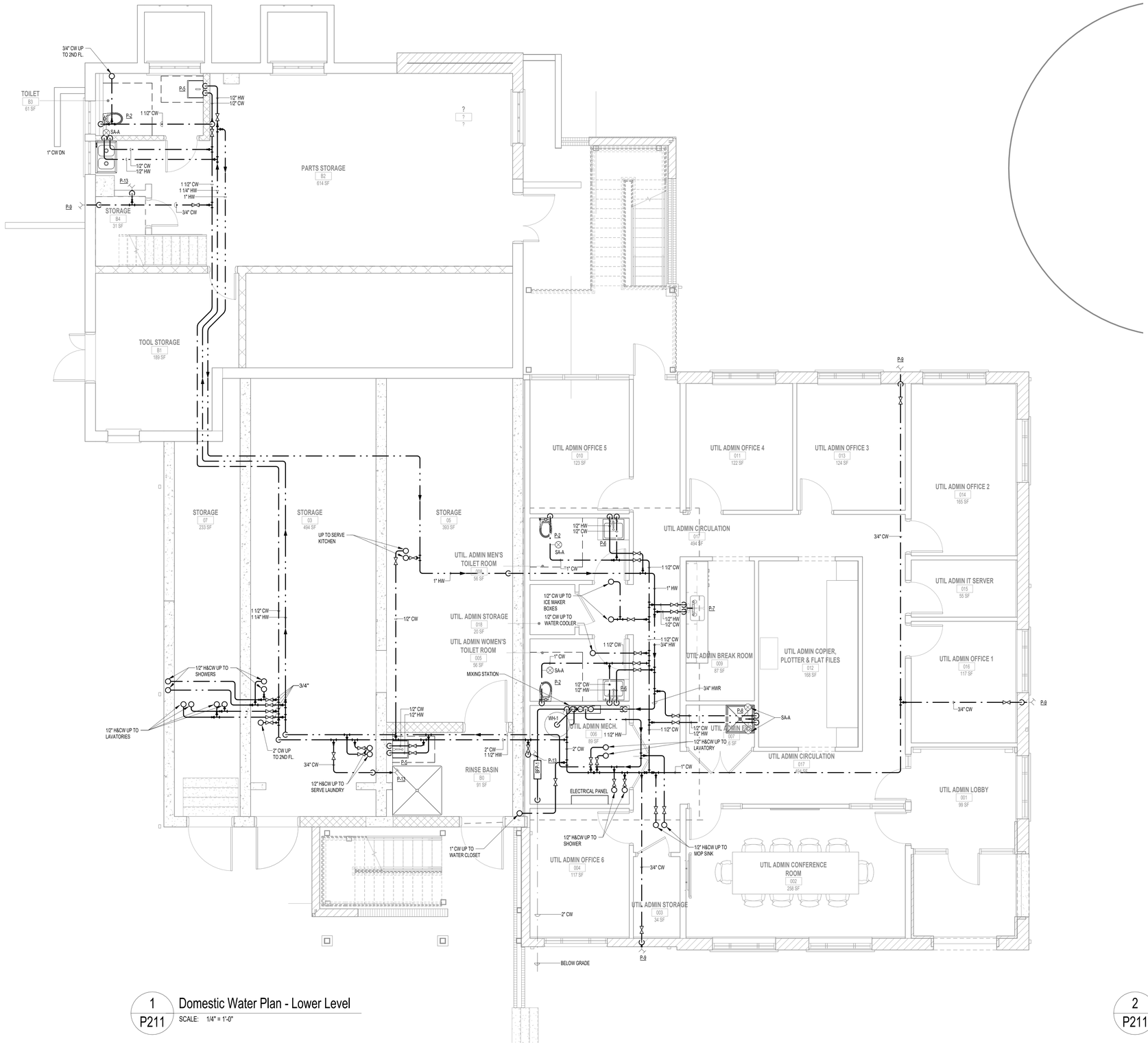
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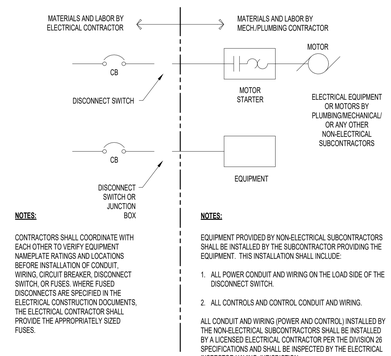
Sanitary Waste & Vent Plan - Main Level

P202



1 P211 Domestic Water Plan - Lower Level

SCALE: 1/4" = 1'-0"



NOTES:

CONTRACTORS SHALL COORDINATE WITH EACH OTHER TO VERIFY EQUIPMENT NAMEPLATE RATINGS AND LOCATIONS BEFORE INSTALLATION OF CONDUIT, WIRING, CIRCUIT BREAKER, DISCONNECT SWITCH, OR FUSES. WHERE FUSED DISCONNECTS ARE SPECIFIED IN THE ELECTRICAL CONSTRUCTION DOCUMENTS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATELY SIZED FUSES.

NOTES:

EQUIPMENT PROVIDED BY NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY THE SUBCONTRACTOR PROVIDING THE EQUIPMENT. THIS INSTALLATION SHALL INCLUDE:

1. ALL POWER CONDUIT AND WIRING ON THE LOAD SIDE OF THE DISCONNECT SWITCH.
2. ALL CONTROLS AND CONTROL CONDUIT AND WIRING.

ALL CONDUIT AND WIRING (POWER AND CONTROL) INSTALLED BY THE NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR PER THE DIVISION 26 SPECIFICATIONS AND SHALL BE INSPECTED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION.

2 P211 Division Of Work

SCALE: NONE

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PROJECT INFORMATION:

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715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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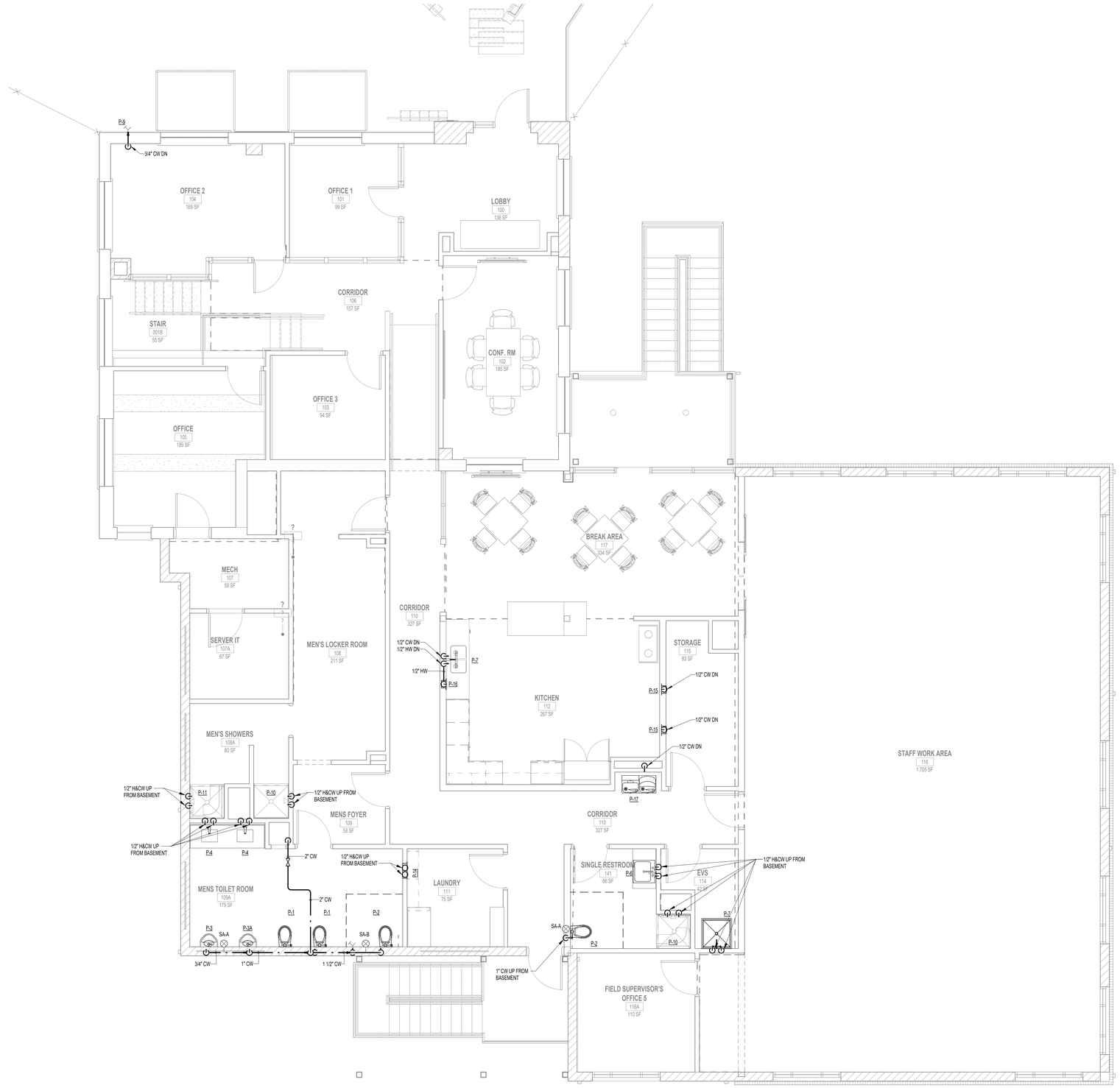
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PROJECT#:	DRAWN:	CHECKED:	DATE:
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SHEET NAME:

Domestic Water Plan - Lower Level

P211



1 P212 Domestic Water Plan - Main Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 3946 DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

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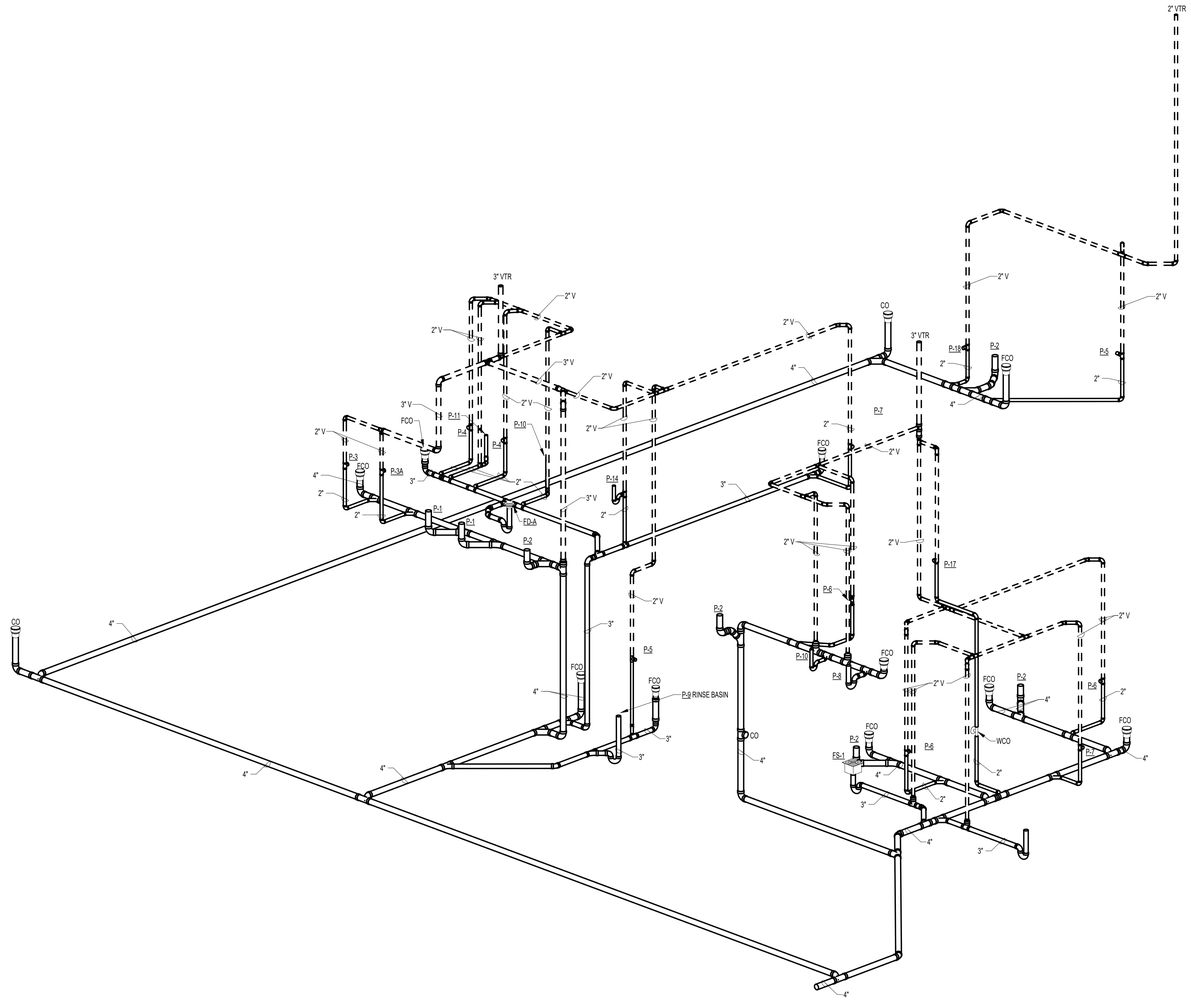
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PROJECT#:	DRAWN:	CHECKED:	DATE:
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SHEET NAME:

Domestic Water Plan - Main Level

P212



1 / P301 SANITARY WASTE AND VENT RISER

SCALE: NONE

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KEY PLAN:

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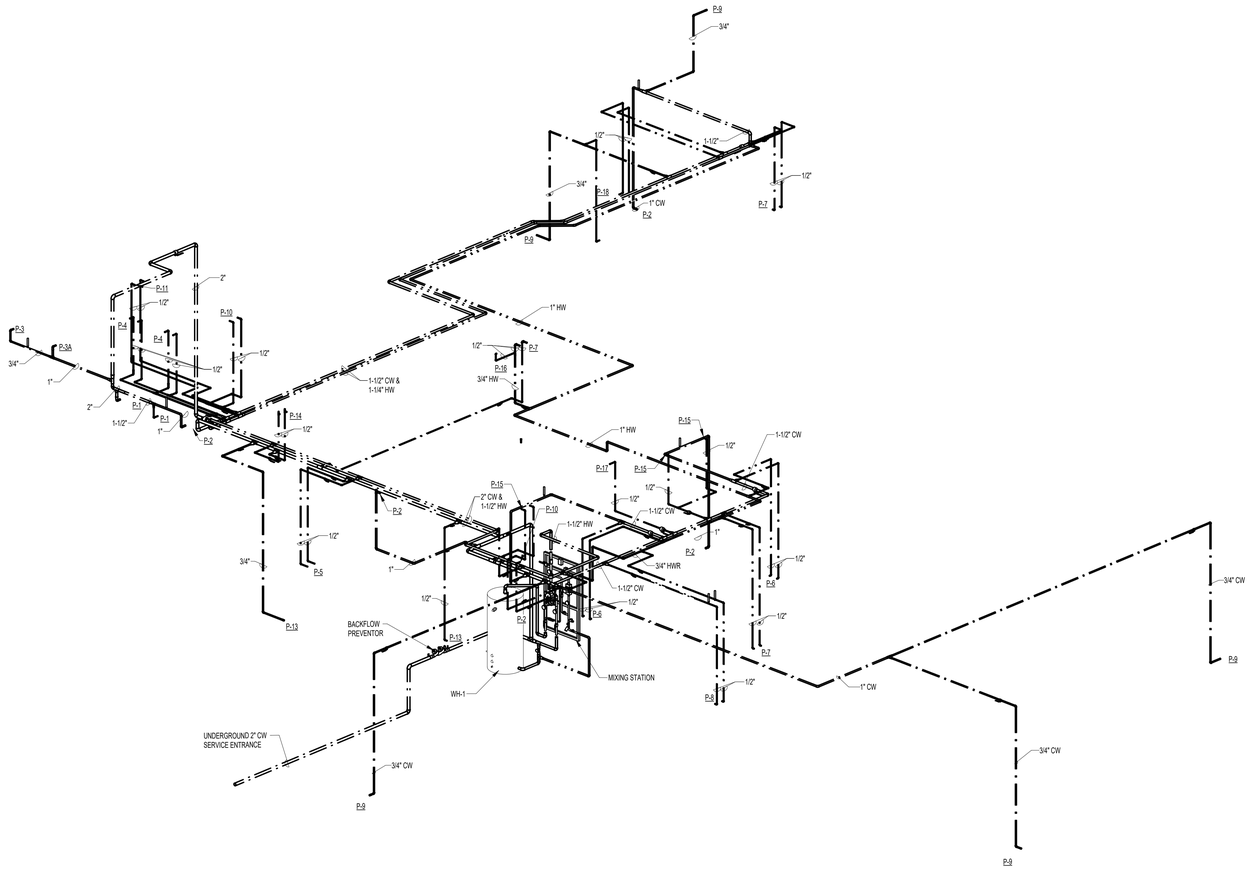
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PROJECT#:	DRAWN:	CHECKED:	DATE:
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SHEET NAME:

Plumbing Risers

P301



1 P302 DOMESTIC WATER RISER

SCALE: NONE

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SHEET NAME:

Plumbing Risers

P302

GENERAL DEMOLITION NOTES

1. THE DEMOLITION PLAN IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. EXISTING EQUIPMENT, STRUCTURE, DUCTWORK, ETC. LOCATED ON DRAWING WERE DERIVED FROM EXISTING DRAWINGS AND LIMITED FIELD OBSERVATIONS. THIS DRAWING MAY NOT BE ALL INCLUSIVE OF SERVICES THAT EXIST IN THE PROJECT AREA. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO BID AND DEMOLITION WORK. FIELD CONDITIONS SHALL GOVERN. ANY DEVIATIONS IMPACTING WORK SHOWN ON THESE DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER PRIOR TO BEGINNING DEMOLITION. BEGINNING OF DEMOLITION SHALL SIGNIFY CONTRACTORS ACCEPTANCE OF EXISTING CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION WHETHER SHOWN ON THE PLANS OR NOT.
2. CONTRACTOR SHALL PERFORM A PRE-BID SURVEY TO FIELD-VERIFY AND COORDINATE ALL DIMENSIONS PRIOR TO PROCUREMENT OR FABRICATION. FIELD CONDITIONS SHALL GOVERN. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. COORDINATE NEW WORK WITH EXISTING ELEMENTS SUCH AS THE BUILDING STRUCTURE AND ARCHITECTURAL FEATURES, SPRINKLER PIPING, LIGHTS, PLUMBING, AND ELECTRICAL CONDUIT. COST OF REROUTING DUCTWORK OR PIPING DUE TO CONFLICTS WITH EXISTING CONDITIONS SHALL BE PAID BY CONTRACTOR.
3. PRIOR TO THE START OF ANY DEMOLITION WORK BY ANY TRADE, ISOLATE ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK IN PROJECT AREA FROM THE REMAINING BUILDING BY CAPPING DUCT MAINS AT THE POINT OF CONNECTION BETWEEN "EXISTING DUCT TO REMAIN' AND "EXISTING DUCT TO BE DEMOLISHED", AS INDICATED ON DWGS BY SYMBOL
4. PROVIDE A PRE-CONSTRUCTION TEST AND BALANCE REPORT FOR ALL EXISTING-TO-REMAIN MECHANICAL EQUIPMENT SERVING THE PROJECT AREA. MEASUREMENTS INCLUDE NAMEPLATE DATA SUPPLY AIRFLOW, RETURN AIRFLOW, OUTDOOR AIRFLOW, MOTOR HP, MOTOR FLA AND VOLTAGE, PRESSURE DROP ACROSS COILS AND FILTERS, AND FAN EXTERNAL STATIC PRESSURE. REPORT SHALL INCLUDE NOTES OF ANY DEFICIENCIES. SUBMIT T&B REPORT TO THE ARCHITECT AND ENGINEER PRIOR TO BEGINNING DEMOLITION WORK.
5. CONTRACTOR SHALL PROVIDE MECHANICAL WORK FOR PHASING AS REQUIRED OR DIRECTED BY THE ARCHITECT. COORDINATE WITH ARCHITECTURAL PHASING PLANS. TEMPORARY MECHANICAL SERVICES SHALL BE PROVIDED WHEN NEW WORK AFFECTS SERVICES NEEDING TO REMAIN ACTIVE. ORGANIZE WORK TO MINIMIZE THE DURATION OF EXISTING UTILITY SERVICE INTERRUPTIONS. DEMOLITION WORK SHOWN PARTIALLY REPRESENTS CONDITIONS AT THE END OF CONSTRUCTION. TEMPORARY HVAC CONSTRUCTION SUCH AS DUCTWORK, PIPING AND REBALANCING IN-BETWEEN PHASES WHICH SHALL BE PROVIDED BY CONTRACTOR TO MAINTAIN SERVICE TO EXISTING SPACES IS NOT FULLY REPRESENTED IN THESE DOCUMENTS.
6. NO EXISTING PIPE OR DUCT SHALL BE LEFT OPEN AFTER PARTIAL REMOVAL. PIPES AND DUCTS SHALL EITHER BE CAPPED OR MADE READY FOR CONNECTION TO NEW WORK. MATERIALS USED FOR CAPPING SYSTEMS SHALL MATCH EXISTING UTILITY SERVICE.
7. ALL EXISTING FLOOR OPENINGS WHERE PIPE IS REMOVED SHALL BE PATCHED TO MATCH EXISTING FLOOR AND MAINTAIN ASSEMBLY FIRE RATING
8. THE CONTRACTOR SHALL VERIFY THAT ALL EXISTING FLOOR PENETRATIONS (ABOVE & BELOW) ARE PROPERLY FIRE STOPPED AFTER THE DEMOLITION
9. FIELD VERIFY ALL EXISTING PIPE LOCATIONS, SIZES, AND ELEVATIONS
10. REMOVE EXISTING ABANDONED PIPE HANGERS, RODS, AND SUPPORTS
11. ALL LINES THAT ARE TO BE REMOVED SHALL BE CAPPED AT A MAIN LINE, RISER OR STACK
12. ALL MECHANICAL SYSTEMS SERVING OTHER SPACES OR FLOORS THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION SO AS NOT TO CAUSE ANY DISRUPTION TO THESE OTHER SPACES
13. CONTRACTOR SHALL REMOVE OR RELOCATE EXISTING THERMOSTATS WHERE NECESSARY.
14. PROPERLY REMOVE AND DISPOSE OF ALL EXISTING TO BE REMOVED HVAC EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, HYDRONIC PIPING, SYSTEMS ETC.. CONSULT WITH OWNER AND OBTAIN OWNERS APPROVAL PRIOR TO DISPOSAL OF REMOVED MATERIAL.
15. ANY WORK REQUIRED OUTSIDE OF THE CONSTRUCTION LIMITS MUST BE COORDINATED WITH THE PROJECT MANAGER FOR METHOD OF ISOLATION. EXISTING UTILITY SERVICES SHALL REMAIN ACTIVE THROUGHOUT CONSTRUCTION DURATION. NEW UTILITY TIE-INS TO EXISTING SYSTEMS WHICH CANNOT BE ISOLATED WITHOUT AFFECTING AREAS OUTSIDE THE PROJECT AREA SHALL BE WITH HOT-TAPS.
16. REPROGRAM BUILDING CONTROLS TO REFLECT DEMOLITION WORK AFFECTING AIR TERMINAL UNITS, T-STATS, CONTROL VALVES, ETC.
17. ALL EXISTING BUILDING LIFE SAFETY COMPONENTS SUCH AS EXIT SIGNAGE, EXIT LIGHTS, FIRE ALARM, FIRE SPRINKLERS, ETC SHALL REMAIN CONTINUOUSLY OPERATIONAL AND FREE OF OBSTRUCTION FOR AREAS OUTSIDE OF THE CONSTRUCTION ZONE IN ORDER TO MAINTAIN BUILDING OCCUPANCY DURING CONSTRUCTION.

GENERAL NOTES

1. VERIFY EVERY ASPECT OF THE PROPOSED WORK AS DESCRIBED OR IMPLIED BY THE CONTRACT DOCUMENTS
2. IN THE EVENT THE CONTRACTOR CHOOSES TO USE PRODUCTS OTHER THAN THE BASIS OF DESIGN, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR COORDINATION AND INTEGRATION OF SUCH ITEMS. THE FUNCTIONAL DESIGN INTEGRITY OF ALL SYSTEMS AND COMPONENTS SHALL BE MAINTAINED. VOLTAGES, LOADS, WIRE SIZES AND QUANTITIES, DISCONNECT SWITCHES AND FUSE SIZES, PHYSICAL SIZE, LOCATIONS, CLEARANCES, ETC. SHALL BE FULLY COORDINATED BY THE ELECTRICAL CONTRACTOR AND SHALL BE HIS RESPONSIBILITY. ANY ADDITIONAL COST RESULTING FROM SAID SUBSTITUTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
3. PROVIDE ONLY NEW MATERIALS WITHOUT DEFECTS AND OF THE HIGHEST QUALITY OF THEIR SPECIFIED CLASS AND KIND
4. INSTALL ALL EQUIPMENT SO THAT ALL CODE-REQUIRED AND MANUFACTURER-RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED. ADJUSTMENTS IN THESE LOCATIONS SHALL BE MADE BY THE CONTRACTOR TO FULLY COORDINATE WITH BUILDING CONDITIONS. MAINTAIN A MINIMUM OF 3FT CLEARANCE AROUND EQUIPMENT FOR SERVICING.
5. ALL ITEMS THAT REQUIRE ACCESS, I.E. FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE INCLUDING BUT NOT LIMITED TO ALL TYPES OF VALVES, FILTERS AND STRAINERS, TRANSMITTERS, AND CONTROL DEVICES
6. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE MECHANICAL DRAWINGS REGARDING BUILDING CONSTRUCTION, DIMENSION AND ARRANGEMENT. LINES THAT REQUIRE SLOPE, SUCH AS PLUMBING WASTE LINES SHALL TAKE PRECEDENCE OVER ELECTRICAL LINES. CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL TRADES TO AVOID CONFLICTS AND SHALL PROVIDE ALL OFFSETS AND EQUIPMENT AS REQUIRED TO FIT THE MECHANICAL WORK INTO THE AVAILABLE SPACE.
7. READ ALL NOTES AND REMARKS SUPPLIED ON EQUIPMENT SCHEDULES
8. COORDINATE ALL SERVICE OUTAGES WITH OWNER. PROVIDE OWNER WITH WRITTEN NOTICE AT LEAST 48 HOURS PRIOR TO SHUTDOWN INDICATING DATE, DURATION, UTILITIES AFFECTED, AND TRADES AFFECTED. FINAL DATE OF SHUTDOWN TO BE DETERMINED BY DUKE AND MAY DIFFER FROM REQUESTED DATE.
9. CEILINGS REQUIRING REMOVAL FOR NEW WORK NOT INDICATED TO BE REMOVED ON ARCHITECTURAL PLANS SHALL BE REMOVED AND REPLACED AS REQUIRED BY THE GENERAL CONTRACTOR TO ACCOMMODATE NEW WORK
10. COORDINATE LIGHT, PIPING, AND DUCT LOCATIONS CLOSELY WITH E.C. PRIOR TO BEGINNING WORK
11. COORDINATE PIPING, EQUIPMENT, ROOF DRAIN PENETRATIONS, AND DUCT LOCATIONS IN MECHANICAL ROOMS WITH PLUMBING CONTRACTOR BEFORE BEGINNING INSTALLATION
12. COORDINATE INSTALLATION OF EQUIPMENT WITH GENERAL CONTRACTOR AND OTHER TRADES TO MAINTAIN MANUFACTURER REQUIRED MINIMUM SERVICE ACCESS
13. DUCTWORK AND PIPING ELEVATION CHANGES, TRANSITIONS, AND OFFSETS MAY NOT BE SHOWN AND SHALL BE PROVIDED AS REQUIRED. PROVIDE ADDITIONAL FITTINGS AS REQUIRED BASED ON COORDINATION DRAWINGS PREPARED BY MC.
14. PROVIDE ALL CUTTING AND PATCHING NECESSARY FOR THE PROPER INSTALLATION OF WORK AND TO REPAIR ANY DAMAGE DONE DURING INSTALLATION
15. PROVIDE DUCT ACCESS DOORS FOR INSPECTION AT ALL NEW FIRE DAMPERS, SMOKE DAMPERS, SMOKE DETECTORS, HEATING COILS, AND HUMIDIFIERS. PROVIDE ADDITIONAL ACCESS DOORS PER SPECIFICATIONS.
16. CONSULT GENERAL CONTRACTOR FOR INFORMATION ABOUT STAGING AREAS TO BE USED DURING CONSTRUCTION
17. REFER TO ARCHITECTURAL DRAWINGS FOR WALL ELEVATIONS AND REFLECTED CEILING PLANS FOR LOCATIONS OF HVAC DEVICES
18. PROVIDE ADHESIVE LABELS ON CEILING GRID TO IDENTIFY TERMINAL BOXES AND VALVES LOCATED ABOVE NEW CEILINGS
19. REFER TO LIFE SAFETY PLAN FOR FIRE AND SMOKE PARTITION LOCATIONS
20. ADJUSTABLE THERMOSTATS SHALL BE MOUNTED AT 48" FROM FINISHED FLOOR TO TOP OF DEVICE IN ACCORDANCE WITH ADA ANSI 308
21. PROTECT ALL AHU COILS FROM DUST, DEBRIS, THROUGHOUT INSTALLATION, INITIAL START-UP, AND CONSTRUCTION DURATION USING FILTERING MEDIA SHEET PRE-FILTERS ON ALL RETURN INTAKES
22. ALL AIR DISTRIBUTION DEVICES, AIR TERMINAL UNITS, COILS, AND EQUIPMENT, ETC. SHALL BE COORDINATED WITH THE OTHER BUILDING TRADES FOR PROPER LOCATION AND TO PREVENT INTERFERENCE WITH THE LIGHTS, PLUMBING, CONDUIT, ETC.
23. DUCT SIZES SHOWN INDICATE NET INSIDE DIMENSIONS
24. INSULATE ALL EXISTING DUCTWORK AND PIPING TO REMAIN AFFECTED BY NEW WORK. EXISTING TO REMAIN DUCTWORK AND PIPING WITHIN THE PROJECT AREA WITHOUT INSULATION SHALL BE INSULATED PER SPECIFICATIONS. INSULATION DAMAGE CAUSED BY TIE-INS TO EXISTING DUCTWORK AND PIPING SHALL BE REPAIRED.
25. INSTALL MANUAL VOLUME DAMPERS IN SUPPLY, RETURN, AND EXHAUST SYSTEMS FOR EACH AIR DISTRIBUTION DEVICE AND AS REQUIRED FOR SYSTEM AIR BALANCING. LOCATE DAMPERS AWAY FROM AIR DISTRIBUTION DEVICES, NEAR DUCT MAINS, AND MAINTAIN EASY ACCESSIBILITY.
26. ALL MEDIUM PRESSURE BRANCH TAKE-OFFS SHALL BE MADE WITH 45 DEGREE LEAD IN, STANDARD RADIUS BELL MOUTH, OR 45 DEG. ROUND UNLESS NOTED OTHERWISE
27. DUCT ELBOWS 30" WIDE AND LESS SHALL TYPICALLY BE STANDARD RADIUS ELBOWS WITH A MINIMUM CENTER LINE RADIUS OF ONE AND ONE-HALF THE DUCT WIDTH (1.5 X W). WHERE AVAILABLE SPACE PREVENTS USE OF LONG RADIUS ELBOWS, PROVIDE (1.0 X W) SHORT RADIUS ELBOW WITH VANES.
28. MITERED ELBOWS AND TURNS SHALL TYPICALLY NOT BE USED. WHERE AVAILABLE SPACE PREVENTS USE OF RADIUS ELBOWS, MITERED TURNS IN DUCTWORK 45° THROUGH 90° SHALL BE PROVIDED WITH TURNING VANES UNLESS SPECIFICALLY NOTED OTHERWISE. SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES NAD A 3/4" TRAILING EDGE. WHEN DUCT WIDTH IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.
29. LOW PRESSURE FLEXIBLE DUCT SHALL BE OF A LENGTH NO GREATER THAN 5'-0" AND SHALL CONTAIN ELBOWS AND BENDS BEING NO GREATER THAN 90° WITH A MINIMUM RADIUS OF ONE AND ONE-HALF THE DUCT DIAMETER (1.5 X D)
30. FLEXIBLE DUCTWORK SHALL BE LABELED IN ACCORDANCE WITH UL 181. FLEXIBLE DUCTWORK IS NOT ALLOWED ON HIGH PRESSURE SYSTEMS, ABOVE INACCESSIBLE CEILINGS, OR ON EXHAUST SYSTEMS.
31. WHERE FIRE ALARM RELAYS ARE INDICATED PROVIDE ADDRESSABLE IAM RELAYS AS REQUIRED
32. MECHANICAL CONTRACTOR TO INSTALL ANY FLUES FOR PLUMBING EQUIPMENT AS SHOWN ON PLAN
33. IN AREAS OF THE BUILDING WHERE EXISTING DUCTS, PIPING, CONDUITS, CONTROLS, LIGHTS, AND ITEMS OF EQUIPMENT ARE TO REMAIN AND MAY INTERFERE WITH THE INSTALLATION OF NEW SYSTEMS, THE MECHANICAL CONTRACTOR SHALL COORDINATE AND MAKE ADJUSTMENTS IN THE NEW AND EXISTING SYSTEMS TO MAKE INSTALLATION OF THE NEW SYSTEMS AS INDICATED
34. MINIMUM PIPE SIZE IS 3/4" WHERE SIZE IS NOT INDICATED ON PLANS
35. ALL BRANCH PIPING TAPS SHALL BE FROM THE TOP OR SIDE OF MAIN PIPING
36. ALL NEW HOT WATER PIPING SHALL SLOPE UP IN THE DIRECTION OF FLOW WHEREVER POSSIBLE. PROVIDE ALL NECESSARY MANUAL AIR VENTS REQUIRED TO VENT AIR FROM THE PIPING SYSTEMS. PROVIDE ALL NECESSARY DRAINS VALVES WITH HOSE END ADAPTERS REQUIRED TO PROPERLY DRAIN PIPING SYSTEMS. DRAIN VALVES SHALL BE AT LOW POINTS IN THE SYSTEM.
37. ALL NEW DRAIN PIPING SHALL SLOPE DOWN IN THE DIRECTION OF FLOW
38. COORDINATE ALL WORK WITH PROJECT PHASING. SEE ARCHITECTURAL DRAWINGS FOR PHASING.

MECHANICAL ABBREVIATIONS

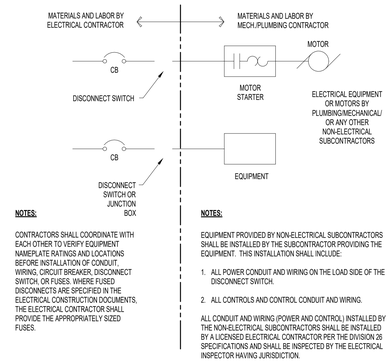
ADA	AMERICAN DISABILITIES ACT
AHU	AIR HANDLING UNIT
ATM	ATMOSPHERE
ATU	AIR TERMINAL UNIT (TERMINAL BOX)
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB TEMPERATURE
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
N/A	NOT APPLICABLE
NTS	NOT TO SCALE
OA	OUTDOOR AIR
RA	RETURN AIR
RB	RE-BALANCE
SA	SUPPLY AIR
TAB	TESTING, ADJUSTING, AND BALANCING
TYP.	TYPICAL

PIPING SYMBOLS LEGEND

SYMBOL	DESCRIPTION
CD	CONDENSATE DRAIN
	EXISTING PIPING
	NEW PIPING
	PIPING TO BE DEMOLISHED
	PIPE RISE UP
	PIPE TURN DOWN
	PIPE CAP
	TEE OFF BOTTOM
	TEE OFF TOP
	BALL VALVE

DUCTWORK SYMBOLS LEGEND

	FLEX DUCT CONNECTION
T	THERMOSTAT
CO	CO SENSOR
CO2	CO_2 SENSOR
	BALANCING DAMPER
SD	DUCT SMOKE DETECTOR
M	MOTOR OPERATED DAMPER
20/16	RECTANGULAR DUCT (W/H) INSIDE CLEAR DIMENSION
	NEW DUCT
	EXISTING DUCT TO REMAIN
	EXISTING DUCT/EQUIPMENT TO BE DEMOLISHED
	SUPPLY DUCT
	RETURN DUCT
	EXHAUST DUCT
	SUPPLY DUCT ELBOW UP
	RETURN DUCT ELBOW UP/DOWN
	EXHAUST DUCT ELBOW UP/DOWN
	DUCT ELBOW WITH TURNING VANES
AD	ACCESS DOOR
A-250	AIR DISTRIBUTION DEVICE TYPE "A" BALANCED FOR 250 CFM
	RETURN GRILLE
	EXHAUST GRILLE
	SIDEWALL AIR DISTRIBUTION DEVICE
	SUCTION/TRANSFER AIR FLOW
	DISCHARGE AIR FLOW
	POINT OF CONNECTION
	POINT OF DEMOLITION



NOTES:

CONTRACTORS SHALL COORDINATE WITH EACH OTHER TO VERIFY EQUIPMENT NAMEPLATE RATINGS AND LOCATIONS BEFORE INSTALLATION OF CONDUIT, WIRING, CIRCUIT BREAKER, DISCONNECT SWITCH, OR FUSES. WHERE FUSED DISCONNECTS ARE SPECIFIED IN THE ELECTRICAL CONSTRUCTION DOCUMENTS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATELY SIZED FUSES.

NOTES:

EQUIPMENT PROVIDED BY NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY THE SUBCONTRACTOR PROVIDING THE EQUIPMENT. THIS INSTALLATION SHALL INCLUDE:

1. ALL POWER CONDUIT AND WIRING ON THE LOAD SIDE OF THE DISCONNECT SWITCH.
2. ALL CONTROLS AND CONTROL CONDUIT AND WIRING.

ALL CONDUIT AND WIRING (POWER AND CONTROL) INSTALLED BY THE NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR PER THE DIVISION 26 SPECIFICATIONS AND SHALL BE INSPECTED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION.

1 / M001 Division Of Work

SCALE: NONE

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PROFESSIONAL SEALS:



PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North · Not to Scale

REVISIONS

No.	Date	Description

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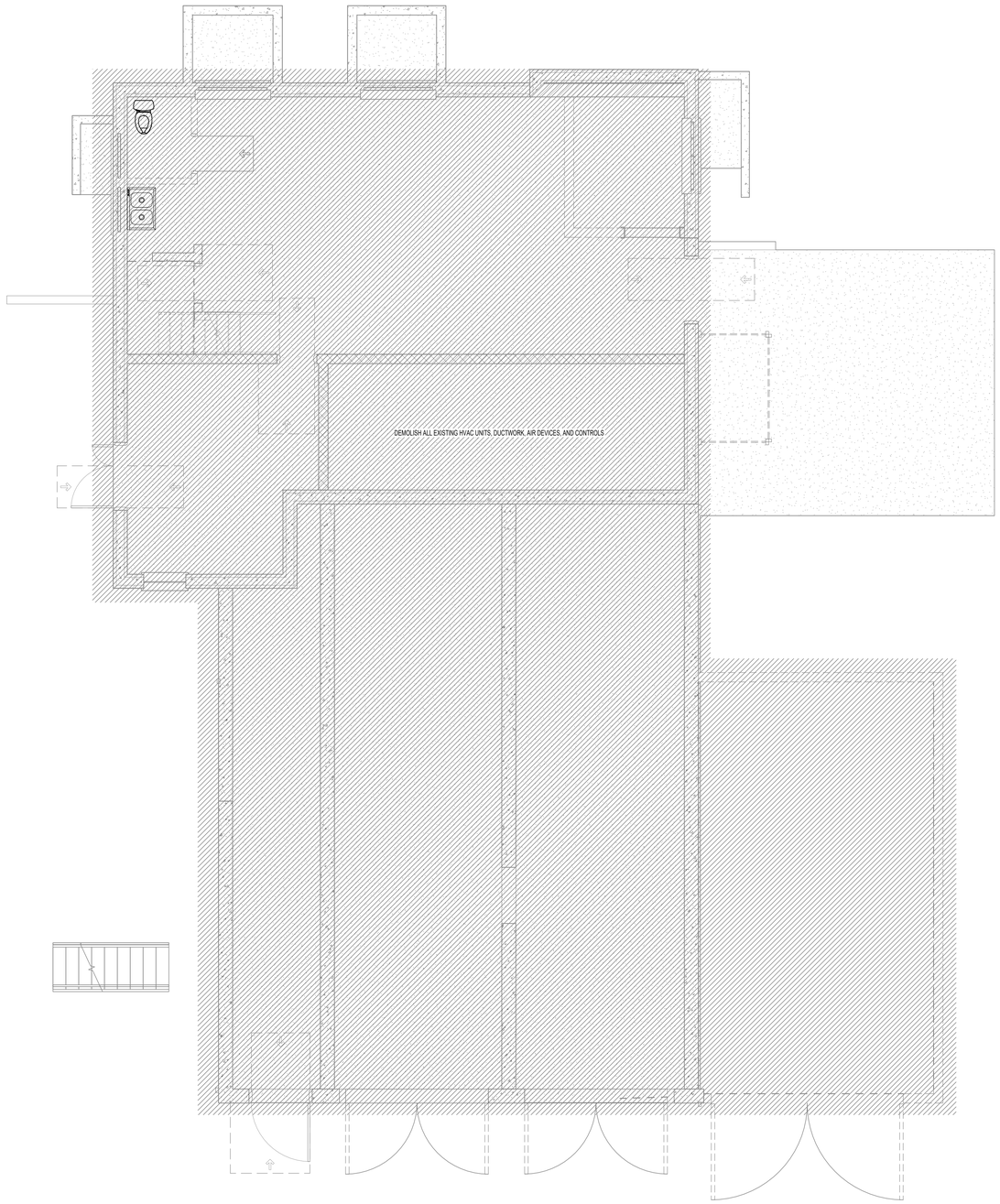
Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Cover Sheet

M001



1 / M101 Mechanical Demolition Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 3946 DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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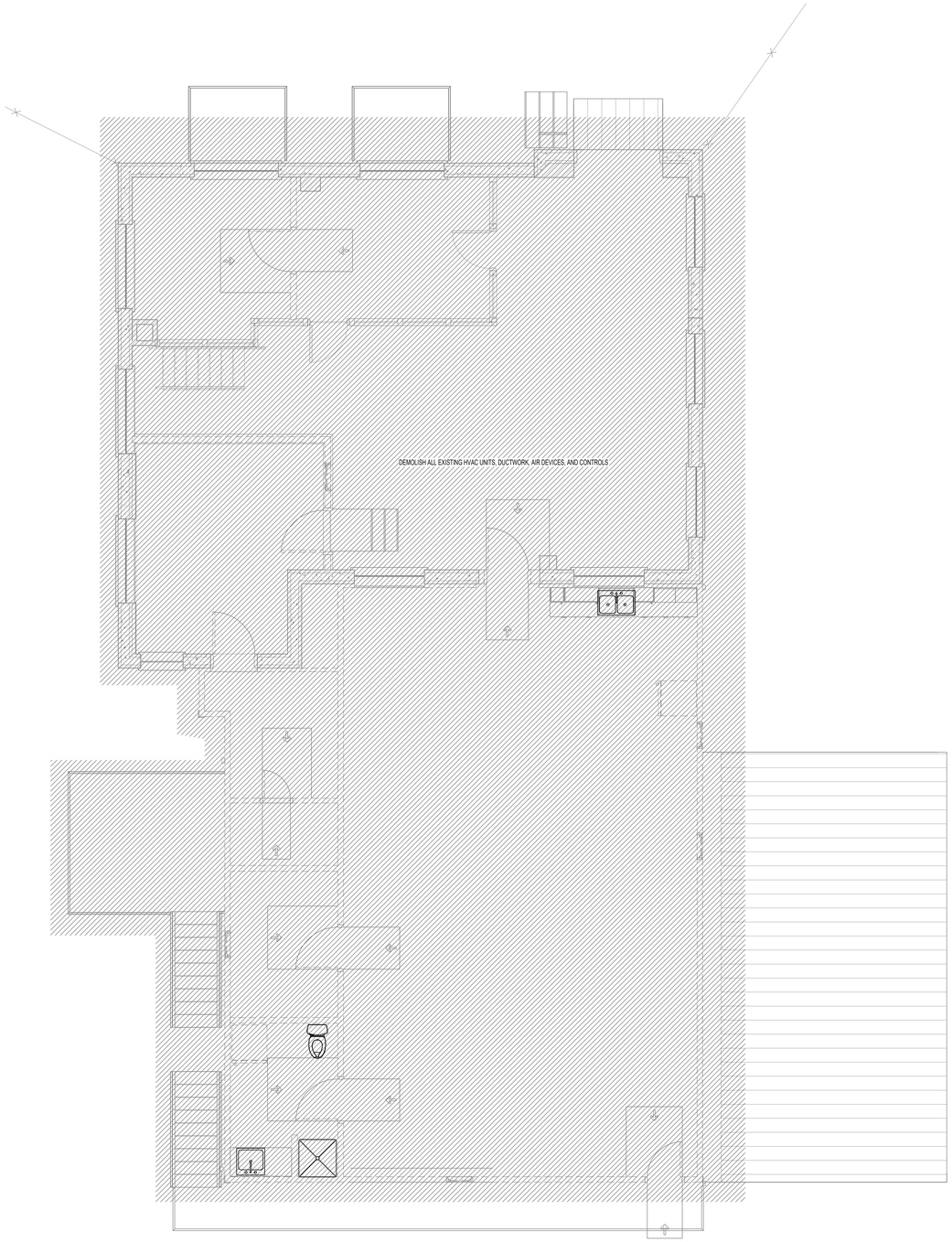
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Demoltion Plan - Lower Level

M101



1
M102
Mechanical Demolition Plan - Main Level
SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 3946 REGISTERED LANDSCAPE ARCHITECT 12-19-25 DAVID TUCKER

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmecks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

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REVISIONS

No.	Date	Description

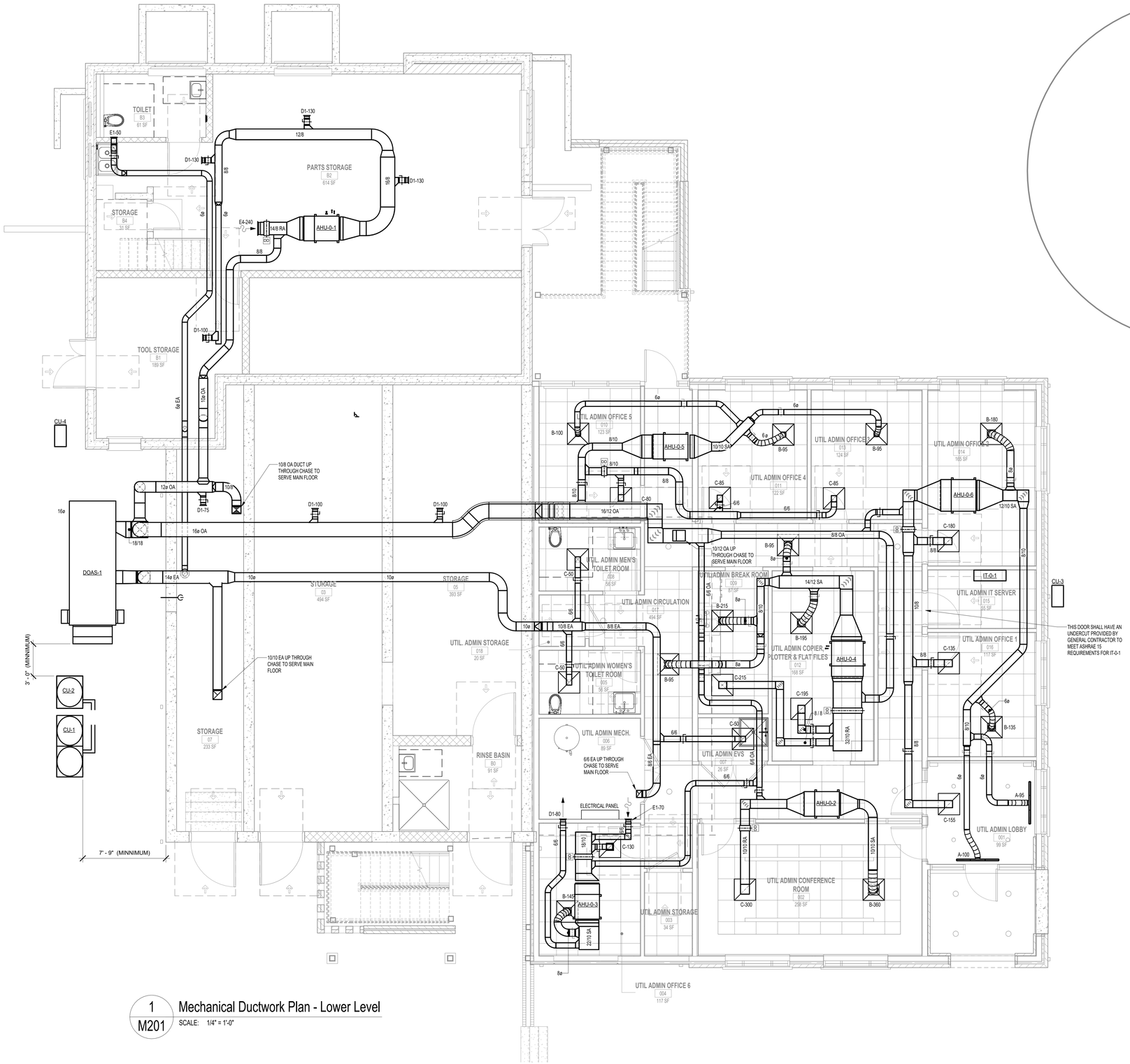
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2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Demolition Plan - Main Level

M102



1 M201 Mechanical Ductwork Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 13946 DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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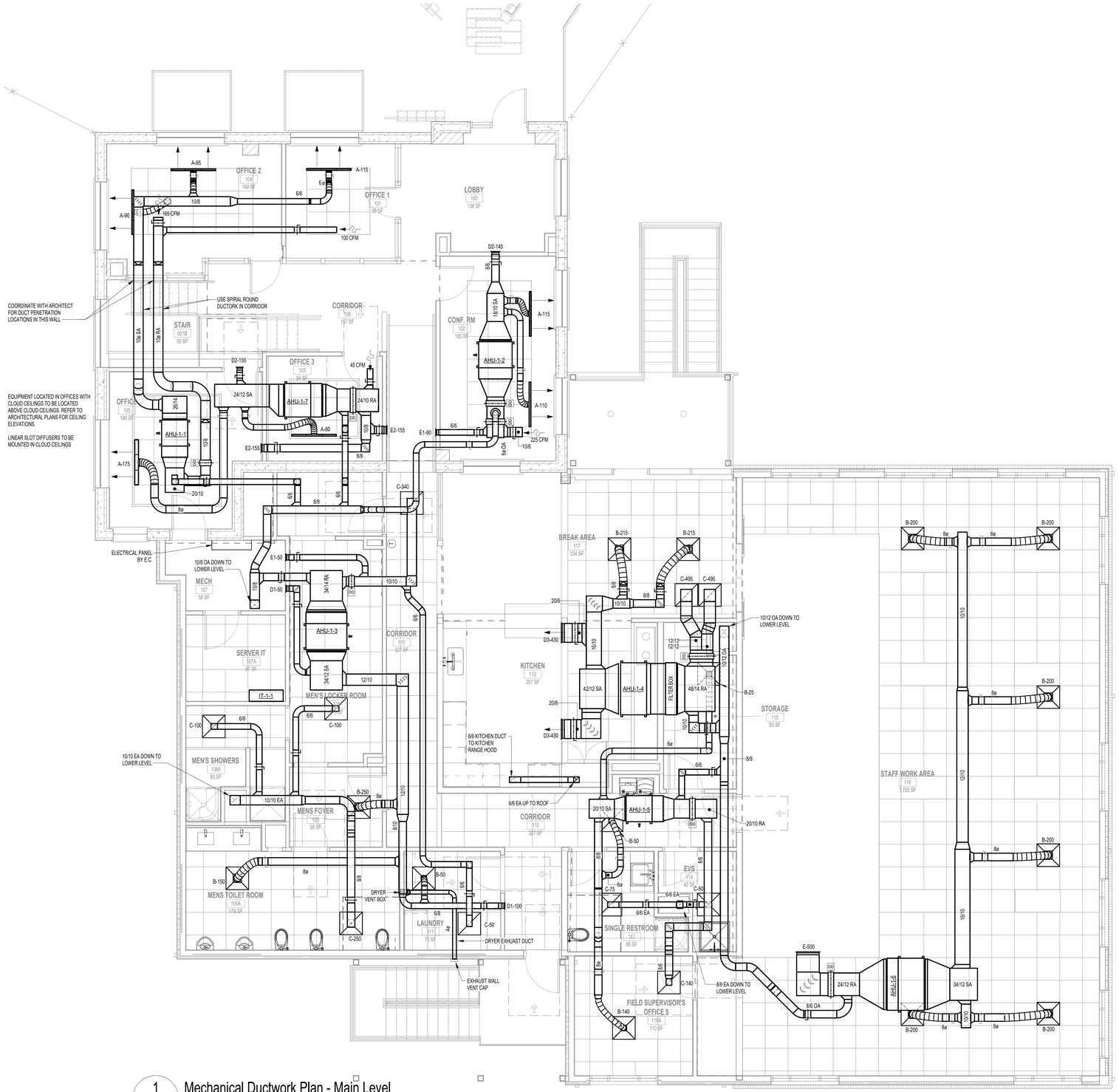
Original drawing is 30"x42" - Do not scale contents.

PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Ductwork Plan - Lower Level

M201



1 M202 Mechanical Ductwork Plan - Main Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 13946 PROFESSIONAL ENGINEER DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

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KEY PLAN:

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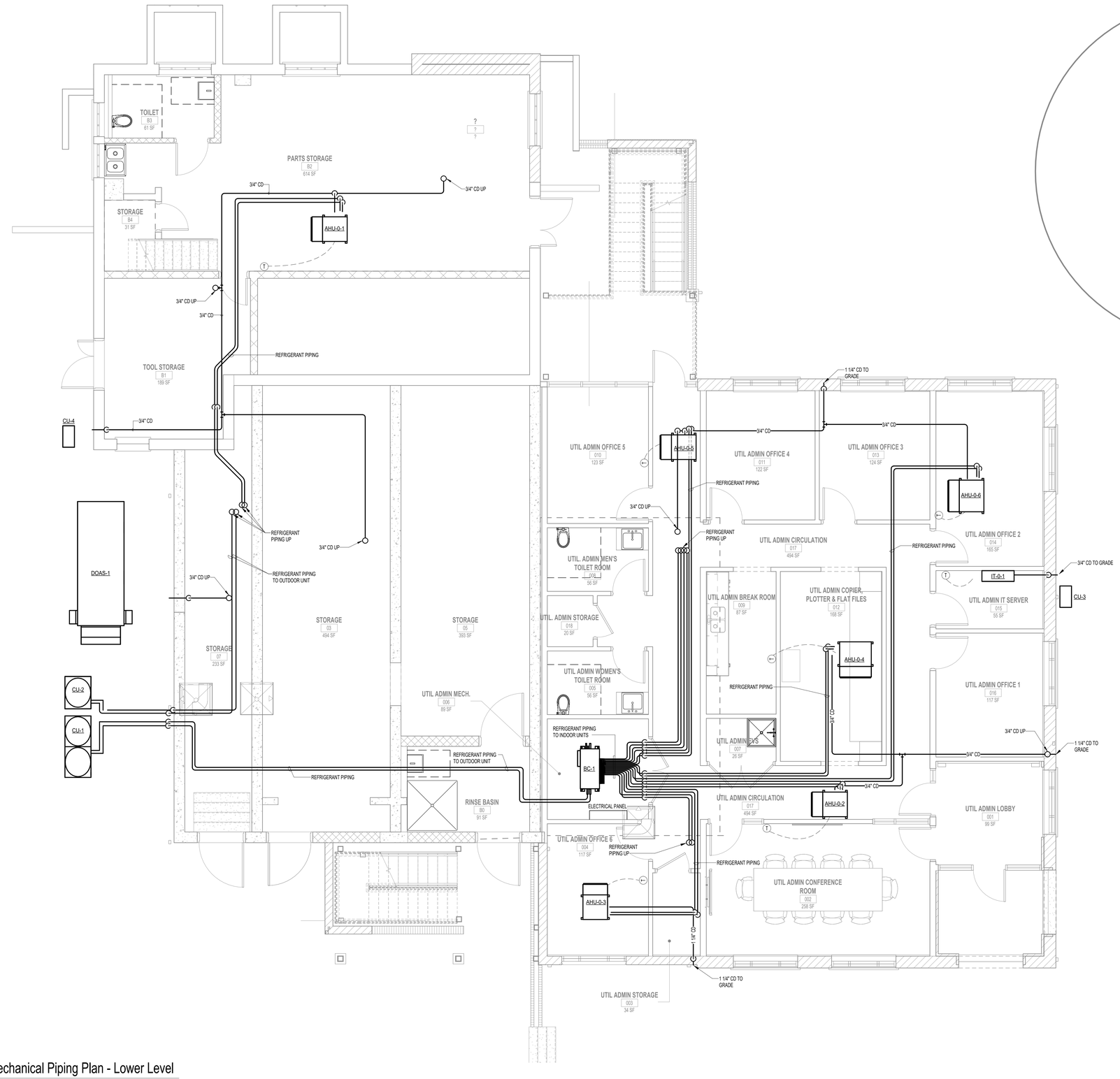
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Ductwork Plan - Main Level

M202



1 / M211 Mechanical Piping Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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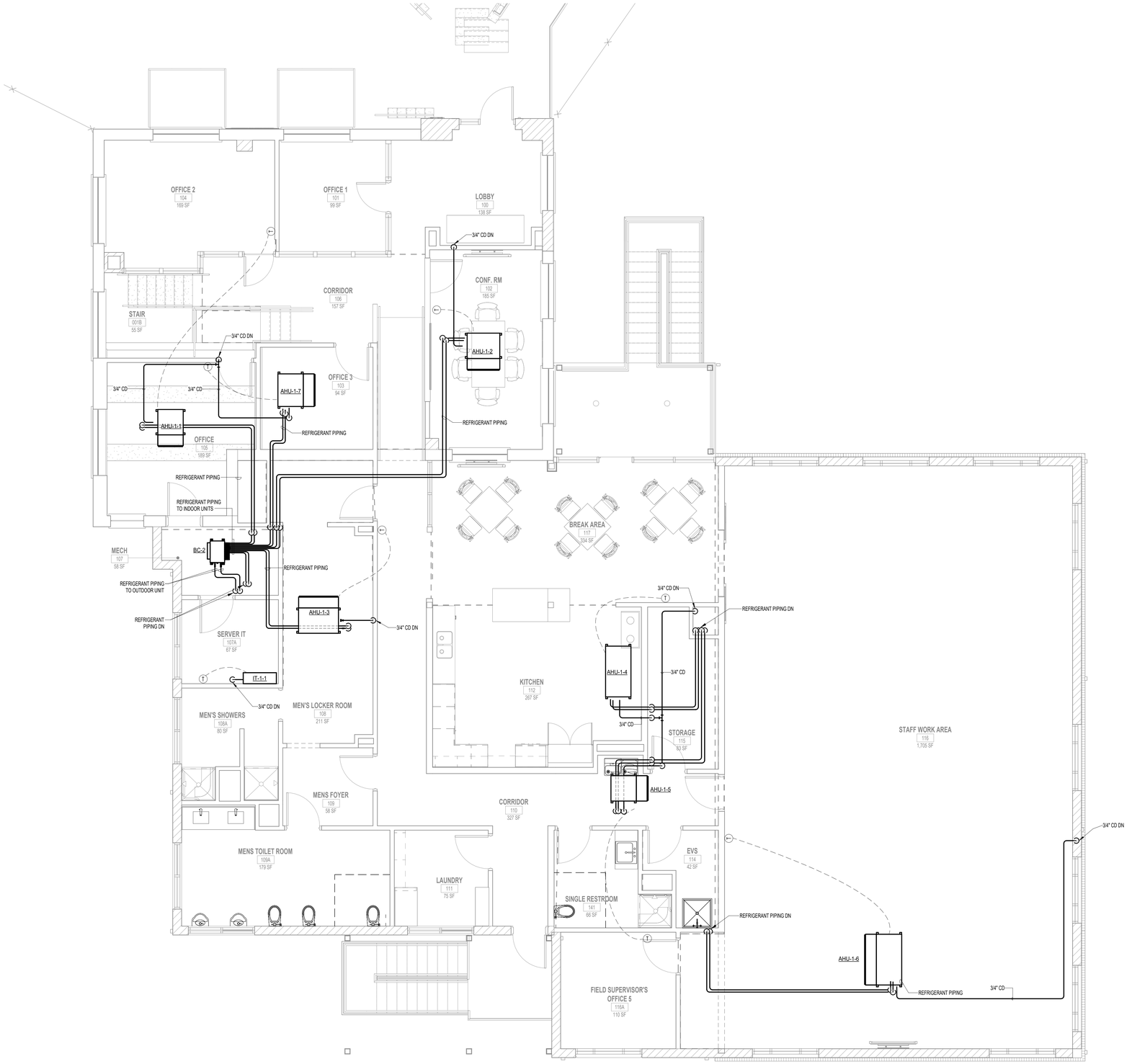
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Piping Plan - Lower Level

M211



1
M212
Mechanical Piping Plan - Main Level
SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA 3946 REGISTERED LANDSCAPE ARCHITECT
2-19-25
DAVID TUCKER

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

Plan North
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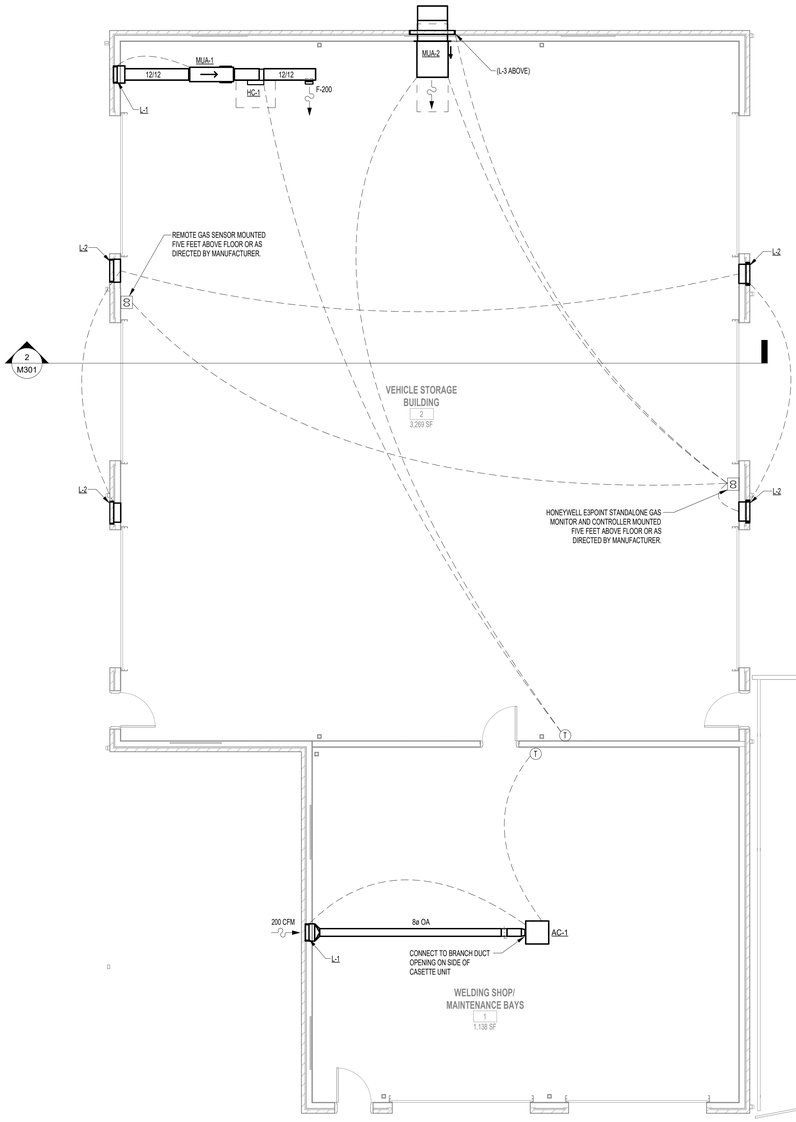
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SHEET NAME:

Mechanical Piping Plan - Main Level

M212



VEHICLE STORAGE BUILDING CONTROL NOTES:

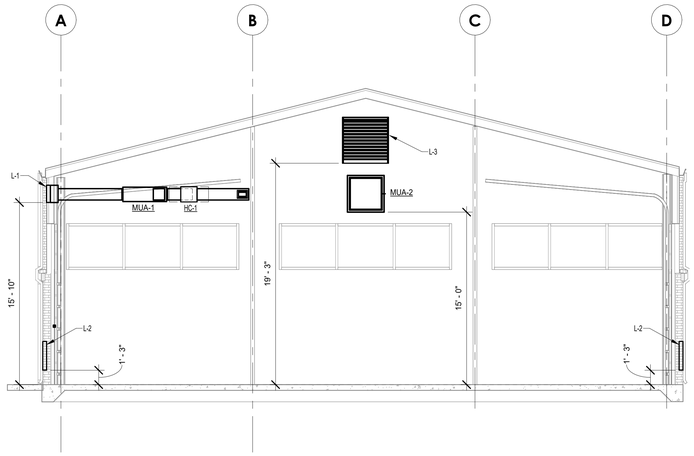
1. CONTINUOUS VENTILATION: MUA-1 SHALL RUN CONTINUOUSLY WHENEVER THE BUILDING IS OCCUPIED.

2. HEATING CONTROL: WHEN THE SPACE THERMOSTAT CALLS FOR HEATING, HC-1 SHALL ENERGIZE.

3. HIGH -TEMPERATURE VENTILATION: WHEN THE THERMOSTAT CALLS FOR COOLING, MUA-2 SHALL START AND HIGH RELIEF LOUVER L-3 SHALL OPEN.

4. CARBON MONOXIDE AND NITROGEN DIOXIDE VENTILATION: WHEN THE GAS MONITORING SYSTEM SENSES CO LEVELS AT OR ABOVE 35 PPM OR NO2 LEVELS AT OR ABOVE 0.5 PPM, MUA-2 SHALL START AND LOW RELIF LOUVERS L-2 SHALL OPEN.

THE CONTROL SYSTEM SHALL INTEGRATE A MINIMUM 3 MINUTE DELAY TO PREVENT FAN SHORT CYCLING.



2 / M301 STORAGE BUILDING NORTH WALL

SCALE: 3/16" = 1'-0" ALTERNATE NO. 1

1 / M301 MECHANICAL PLAN - STORAGE BUILDING

SCALE: 3/16" = 1'-0" ALTERNATE NO. 1

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PROFESSIONAL SEALS:

NORTH CAROLINA 33946 REGISTERED ARCHITECT 12-19-25 DAVID TUCKER

PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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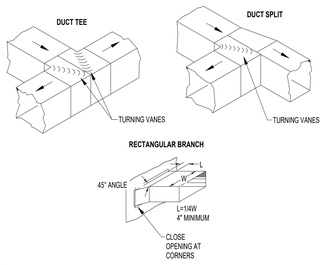
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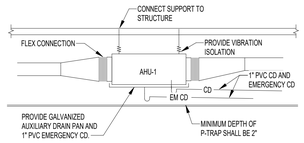
SHEET NAME:

Mechanical Plan - Storage Building

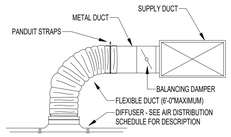
M301



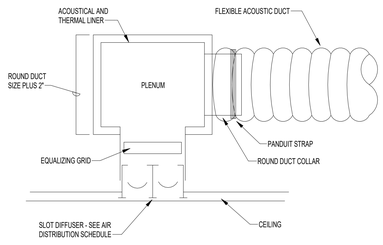
1 M401 **Low Pressure Branch Detail**
SCALE: NONE



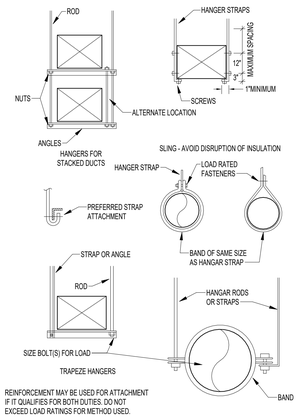
2 M401 **Typical Suspended AHU Detail**
SCALE: NONE



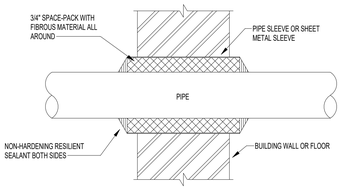
3 M401 **Diffuser Detail**
SCALE: NONE

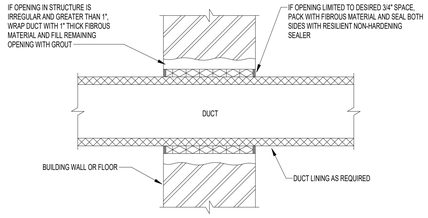


4 M401 **Supply Air Slot Diffuser Detail**
SCALE: NONE

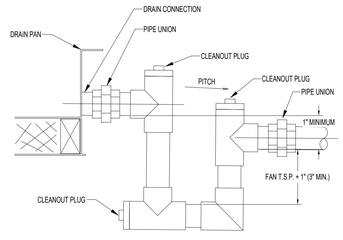


5 M401 **Typical Duct Hangers**
SCALE: NONE

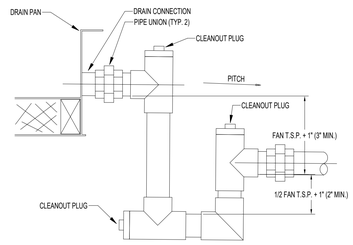




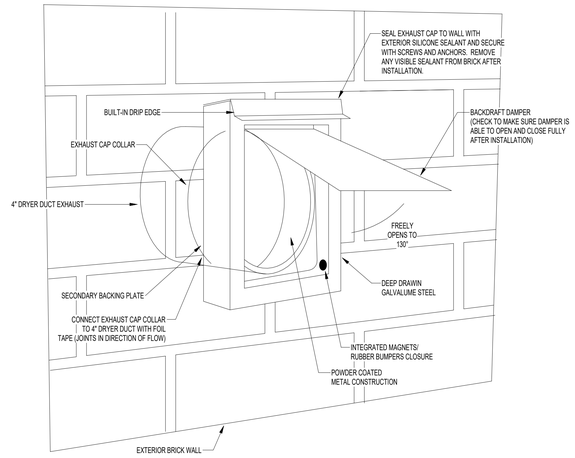
6 M401 **Typical Wall Penetration Details**
SCALE: NONE



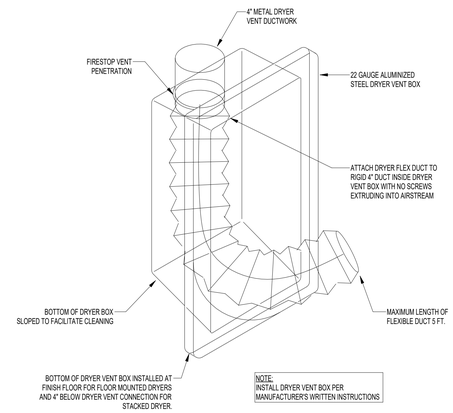
7 M401 **Condensate Drain Trap Detail (Blow Through)**
SCALE: NONE



8 M401 **Condensate Drain Trap Detail (Draw Through)**
SCALE: NONE



9 M401 **Vent Cap Detail**
SCALE: NONE



10 M401 **Dryer Vent Box Assembly**
SCALE: NONE

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PROFESSIONAL SEALS:

NORTH CAROLINA 33946 REGISTERED LANDSCAPE ARCHITECT DAVID TUCKER 12-19-25

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmecks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North Not to Scale

REVISIONS

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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Details

M401

DOAS UNIT SCHEDULE

DESIG	TYPE	SUPPLY FAN			COOLING CAPACITY	ELECTRIC HEATING CAPACITY	ENERGY RECOVERY WHEEL							EXHAUST FAN			POWER			MANUF	MODEL	REMARKS
							SUMMER		WINTER		TOTAL EFFICIENCY		APD									
		CFM	STATIC	ESP			EAT	LAT	EAT	LAT	SUMMER	WINTER	"WG	CFM	STATIC	ESP	VOLTS/PHASE	MCA	MOCP			
DOAS-1	DUCTED, PAD MOUNTED OUTDOOR UNIT	1,800	2.0	1.6	112,000 BTUH	32 kW	96/76	85/76	15/13	40/35	87.00%	90.00%	1	900	1.6	1.5	208/ 3	135	150	TRANE	QABD108D4	SEE BELOW

NOTES:
1. UNIT SHALL BE TRANE /MITSUBISHI TYPE OR EQUIVALENT.
2. CONDENSATE DRAIN PANS COMPLETE WITH CONDENSATE SENSOR IN SIDE OF PAN SHALL BE PROVIDED.
3. MERV 8 FILTER
4. REFER TO MANUFACTURERS SPECIFICATIONS FOR CONDENSATE DRAINAGE.
5. REFER TO MANUFACTURERS SPECIFICATIONS FOR CLEARANCE RECOMMENDATIONS.
6. REFER TO MANUFACTURER'S SPECIFICATIONS FOR ELECTRICAL, CONDENSATE AND CONTROLS CONNECTIONS.

DUCTLESS SPLIT DX SYSTEM SCHEDULE

DESIG	MODEL	SERVICE	TYPE	SUPPLY FAN			COOLING CAPACITY	HEATING CAPACITY @17F	SEER	HEATING CAPACITY	MAX. ELEV. DIFFERENCE	MAX. PIPE LENGTH	POWER		
				CFM (LO)	CFM (HI)	SOUND							VOLTS/PHASE	MCA	MOCP
IT 0-1	PKA-A12HA7	SERVER 015	DX WALL MOUNTED SPLIT UNIT	320	425	30 DBA	12 MBH	N/A	13.5	N/A	100 FT	165 FT	208/1	11	25
CU-3	PUY-A12NKA7		DX CONDENSING UNIT	-		46 DBA									
IT 1-1	PKA-A12HA7	SERVER 107	DX WALL MOUNTED SPLIT UNIT	320	425	30 DBA	12 MBH	N/A	13.5	N/A	100 FT	165 FT	208/1	11	25
CU-4	PUY-A12NKA7		DX CONDENSING UNIT	-		46 DBA									
AC-1	PLA-A36EA7	WELDING SHOP/ MAINT BAYS	INDOOR CEILING SUSPENDED	670	1200	44	36 MBH	22 MBH	15.1	34.6 MBH	100 FT	165 FT	208/1	25	30
CU-5	PUZ-A36NKA7		OUTDOOR HEAT PUMP UNIT	-		52									

NOTES:
1. UNIT SHALL BE MITSUBISHI OR EQUIVALENT
2. EXPOSED INTERIOR AND EXTERIOR PIPING SHALL BE COVERED WITH LINESET COVER SIMILAR TO SLIM DUCT
3. (NOTE REMOVED)
4. REFER TO MANUFACTURERS SPECIFICATIONS FOR MAXIMUM REFRIGERANT PIPING LENGTHS
5. REFER TO MANUFACTURERS SPECIFICATIONS FOR CLEARANCE RECOMMENDATIONS
6. LOW AMBIENT TO 0°F, ISOLATION RELAY, EVAPORATOR FREEZE THERMOSTAT
7. CRANKCASE HEATER
8. 5 MINUTE ANTI RECYCLE
10. FACTORY MOUNTED FILTER LINE DRYER
11. REMOTE MOUNTED DIGITAL THERMOSTAT
12. THERMOSTATIC EXPANSION VALVE
13. REFER TO MANUFACTURERS SPECIFICATIONS FOR CONDENSATE DRAINAGE
14. 1-YEAR PARTS AND 5-YEAR COMPRESSOR AND LABOR WARRANTY
15. PROVIDE WIND BAFFLE AS REQUIRED FOR LOW AMBIENT OPERATION
16. PROVIDE 3-POLE DISCONNECT SWITCH FOR INDOOR UNIT

AIR DISTRIBUTION SCHEDULE

DESIG	TYPE	CFM RANGE	NECK SIZE	FACE SIZE	ROUND ADAPTER	FRAME	CONSTRUCTION	MAX NC	MAX TP	MANUF	MODEL	REMARKS
A	LINEAR SLOT DIFFUSER WITH PLENUM	0-120	1 SLOT, 48" LENGTH		5"Ø	EXPOSED	ALUMINUM	25	0.20	PRICE	SDS 100	1-4
		121-280	2 SLOT, 48" LENGTH		7"Ø	EXPOSED	ALUMINUM	20	0.20	PRICE	SDS 100	1-4
B	SQUARE PLAQUE SUPPLY DIFFUSER	0 - 150	6"Ø	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	SPD	1,3,4
		155 - 310	8"Ø	24x24	-	LAY-IN	ALUMINUM	25	0.10	PRICE	SPD	1,3,4
		315 - 385	10"Ø	24x24	-	LAY-IN	ALUMINUM	25	0.10	PRICE	SPD	1,3,4
		390 - 630	12"Ø	24x24	-	LAY-IN	ALUMINUM	25	0.20	PRICE	SPD	1,3,4
		635 - 1575	14"Ø	24x24	-	LAY-IN	ALUMINUM	25	0.20	PRICE	SPD	1,3,4
C	CEILING PERFORATED RETURN GRILLE	0 - 175	6x6	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
		180 - 310	8x8	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
		315 - 485	10x10	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
		490 - 700	12x12	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
		705 - 950	14x14	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
		955 - 1090	18x18	24x24	-	LAY-IN	ALUMINUM	15	0.10	PRICE	PDDR	1,3,4
D1	SIDEWALL SUPPLY DIFFUSER	0 - 155	6x6	8x8	-	SURFACE	ALUMINUM	25	0.20	PRICE	620	1,3,4
D2		0 - 210	8x6	10x8	-	SURFACE	ALUMINUM	25	0.20	PRICE	620	1,3,4
D3		0 - 485	20x6	22x8	-	SURFACE	ALUMINUM	25	0.20	PRICE	620	1,3,4
E1	SIDEWALL RETURN DIFFUSER	0 - 125	6x6	8x8	-	SURFACE	ALUMINUM	25	0.10	PRICE	610Z	1,3,4
E2		0 - 180	8x6	10x8	-	SURFACE	ALUMINUM	25	0.10	PRICE	610Z	1,3,4
E3		0 - 270	10x6	12x8	-	SURFACE	ALUMINUM	25	0.10	PRICE	610Z	1,3,4
E4		0 - 485	14x8	16x10	-	SURFACE	ALUMINUM	25	0.10	PRICE	610Z	1,3,4
E5		0 - 545	12x12	14x14	-	SURFACE	ALUMINUM	25	0.10	PRICE	610Z	1,3,4
F	HIGH CAPACITY DRUM LOUVER	0-200	6x9	-	-	SURFACE	ALUMINUM	25	0.20	PRICE	HCD	1,3,4

REMARKS:
1. DIFFUSERS AND GRILLES TO BE PRICE OR EQUIVALENT
2. PROVIDE WITH PRICE SIDA PLENUM OR EQUIVALENT
3. COORDINATE FINISH WITH ARCHITECT
4. FRAME TYPE SHALL BE COMPATIBLE WITH MOUNTING SURFACE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION

LOUVER SCHEDULE

DESIG	MANUF	SERVICE	TYPE	CFM	HEIGHT	WIDTH	FACE AREA	FREE AREA	VELOCITY	MAX APD.	MODEL	REMARKS
L-1	RUSKIN	INTAKE	6" COMBINATION DRAINABLE BLADE	200	18 IN	18 IN	2.25 FT	.6 FT	317 FPM	0.06" WG	ELO6375DXW	1-5
L-2	RUSKIN	RELIEF	6" FIXED DRAINABLE BLADE	1250	30 IN	24 IN	5 FT	2.0 FT	641 FPM	0.06" WG	ELO6375DXW	1-5
L-3	RUSKIN	RELIEF	6" COMBINATION DRAINABLE BLADE	5000	48 IN	48 IN	16 FT	7.5 FT	668 FPM	0.06" WG	ELO6375DXW	1-5

1. EXTERIOR BIRDSCREEN
2. EXTRUDED ALUMINUM CONSTRUCTION
3. HEAVY DUTY CONSTRUCTION
4. COMBINATION DAMPER/LOUVER
5. PROVIDE MOTORIZED ACTUATOR

DUCT MOUNTED ELECTRIC HEATING COIL

DESIG	MFG	DESCRIPTION	REHEAT COIL CONDITIONS							COIL DIMENSIONS		FACE VELOCITY	REMARKS
			CAPACITY	EAT	LAT	MBH	KW	MAX APD.	ELEC	WIDTH	HEIGHT		
HC-1	GREENHECK	SLIP-IN DUCT HEATER	200	16	100	18.1	6	0.2" WG	208V /3PH	12	12	200 FPM	1 - 9

1. INDOOR INSTALLATION, MOUNTED IN DUCTWORK
2. SCR CONTROLLER
3. NEMA 1 CONTROLLER ENCLOSURE
4. MAGNETIC CONTACTOR (FULL BREAK)
5. PRESSURE SWITCH, PITOT TUBE AND AUTOMATIC CUT-OUT
6. MANUAL CUT-OUT
7. FUSED CONTROL TRANSFORMER
8. 0-10V CONTROL INPUT
9. PROVIDE WALL MOUNTED THERMOSTAT

ALTERNATE MANUFACTURERS
NAILOR INDUSTRIES
MARKEL
THERMOLEC

MAKE-UP AIR FAN SCHEDULE

DESIG	MANUF	MODEL NO.	TYPE	CFM	STATIC	RPM	BHP	HP	ELEC	FILTER	NOTES
MUA-1	GREENHECK	SQ-80-VG	INDOOR	200	0.5	870	0.05	0.1	120/1	MERV 8	1-3
MUA-2	GREENHECK	AER-24-03-0315-VG	WALL-MOUNTED	5,000	0.5	1728	0.79	1	208/1	NONE	1, 4-6

1. MANUFACTURER TO BE GREENHECK OR APPROVED EQUIVALENT
2. MOTORIZED OUTDOOR AIR LOUVER (SEE LOUVER SCHEDULE)
3. PROVIDE ANGLE 2" FILTER RACK
4. INTAKE HOOD WITH BIRD SCREEN AND MOISTURE REMOVER
5. PROVIDE WALL HOUSING
6. PROVIDE MOTORIZED BACKDRAFT DAMPER

ASHRAE 15 COMPLIANCE FOR A2L REFRIGERANTS

UNIT	REFRIGERANT TYPE	AREA (FT^2)	HEIGHT (FT)	M_{def}	F_{LFL}	F_{occ}	EDVC	M_{rel}	Notes
IT-0-1	R-454B	549	6.5	17.1	0.97	1.0	16.6	4.4	1,3
IT-1-1	R-454B	122	6.0	4.5	0.97	1.0	4.4	4.4	1
AC-1	R-454B	1,138	8.0	29.6	0.97	1.0	28.7	9.9	1
DOAS-1	R-454B	9,500	8.0	89.0	0.97	1.0	86.3	14.6	1

NOTES:
1. FOR A REFRIGERATION SYSTEM TO BE COMPLIANT, THE RELEASABLE REFRIGERANT CHARGE (Mrel) SHALL NOT EXCEED THE EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) CALCULATED FROM ASHRAE 15 SECTION 7.6.1.2 EQUATION 7-9:

$$EDVC = M_{def} \times F_{LFL} \times F_{occ}$$

2. THE VRF SYSTEMS SERVING THE BUILDING ARE DESIGNED TO USE R-410A AND ARE NOT INCLUDED ON THESE CALCULATIONS.
3. THE AREA SERVED BY UNIT IT-0-1 INCLUDES BOTH SERVER ROOM 015 AND UTIL ADMIN CIRCULATION 017. UTIL ADMIN CIRCULATION 017 SHALL BE CONSIDERED A CONNECTED SPACE VIA NATURAL VENTILATION. THE VENTILATION OPENING SHALL BE SIZED AND LOCATED IN ACCORDANCE WITH ASHRAE 15 7.2.3.2.2. (SEE BELOW)

$$A_{vent} = \frac{m_{rel} - m_{room}}{LFL \times 0.417} \times \sqrt{\frac{A}{g \times m_{room}}} \times \frac{M_r}{M_r - M_a}$$

Where
A_{vent} = minimum area of a permanent opening, ft^2
m_{rel} = releasable refrigerant charge, lb
m_{room} = allowable refrigerant charge of an individual room, lb
LFL = lower flammability limit (lb/1000 ft^3)
A = actual area of individual room
M_a = relative molar mass of air, 29.0, dimensionless
M_r = relative molar mass of the refrigerant, dimensionless
g = acceleration due to gravity, 32.2 ft/s^2
0.417 = conversion factor

$$A_{vent} = \frac{4.4\ lbs - 4.1\ lbs}{18.5\ lb/Mft^2 \times 0.417} \times \sqrt{\frac{55\ ft^2}{32.2\ ft/s^2 \times 4.1\ lbs} \times \frac{62.6}{62.6 - 29.0}} = 0.034\ ft^2$$

VRF BC CONTROLLER SCHEDULE

DESIG	OUTDOOR UNIT	NUMBER OF BRANCHES	POWER			MANUF	MODEL	REMARKS
			VOLTS/PHASE	MCA	MOCP			
BC-1	CU-1	12	208/1	1.19	15	TRANE	TCMBM1012JA21N4	1
BC-2	CU-2	8	208/1	0.74	15	TRANE	TCMBG0108SJ21N4	1

NOTES:
1. UNIT SHALL BE TRANE/ MITSUBISHI TYPE OR EQUIVALENT.
2. BC CONTROLLER TO HAVE BRAZED CONNECTION ON BOTH INDOOR AND OUTDOOR CONNECTIONS
3. PROVIDE REFIGERATION BALL VALVES W/ SCHRADER SERVICE PORT ON ALL BC CONTROLLER BRANCHES

VRF OUTDOOR UNIT SCHEDULE

DESIG	TYPE		COOLING	HEATING	POWER			MANUF	MODEL	REMARKS
		CFM(HI)	CAPACITY (MBH)	CAPACITY (MBH)	VOLTS/PHASE	MCA	MOCP			
CU-1	HEAT RECOVERY		168	188	208/3	70	110	TRANE	TURYE1683AN41AN	SEE BELOW
CU-2	HEAT RECOVERY		72	80	208/3	33	90	TRANE	TURYE1203AN41AN	SEE BELOW

NOTES:
1. UNIT SHALL BE TRANE/ MITSUBISHI TYPE OR EQUIVALENT.
2. REFER TO MANUFACTURERS SPECIFICATIONS FOR CLEARANCE RECOMMENDATIONS.

VRF INDOOR UNIT SCHEDULE

DESIG	TYPE	SUPPLY FAN		OA CFM	COOLING	HEATING	POWER			MANUF	MODEL	REMARKS
		CFM (HI)	NOISE dBA		CAPACITY	CAPACITY	VOLTS/PHASE	MCA	MOCP			
AHU-0-1	HORIZONTAL FAN COIL	371	34	185	12000	13500	208 / 1	2.13	15	TRANE	TPEFYP012MA144A	SEE BELOW
AHU-0-2	HORIZONTAL FAN COIL	371	34	60	12000	13500	208 / 1	2.13	15	TRANE	TPEFYP012MA144A	SEE BELOW
AHU-0-3	HORIZONTAL FAN COIL	300	30	65	8000	9000	208 / 1	1.75	15	TRANE	TPEFYP008MA144A	SEE BELOW
AHU-0-4	HORIZONTAL FAN COIL	883	39	385	18000	20000	208 / 1	2.88	15	TRANE	TPEFYP018MA144A	SEE BELOW
AHU-0-5	HORIZONTAL FAN COIL	300	30	40	8000	9000	208 / 1	1.75	15	TRANE	TPEFYP008MA144A	SEE BELOW
AHU-0-6	HORIZONTAL FAN COIL	494	34	35	15000	17000	208 / 1	2.88	15	TRANE	TPEFYP015MA144A	SEE BELOW
AHU-1-1	HORIZONTAL FAN COIL	371	34	40	12000	13500	208 / 1	2.13	15	TRANE	TPEFYP012MA144A	SEE BELOW
AHU-1-2	HORIZONTAL FAN COIL	494	34	40	15000	17000	208 / 1	2.88	15	TRANE	TPEFYP015MA144A	SEE BELOW
AHU-1-3	HORIZONTAL FAN COIL	883	39	555	24000	27000	208 / 1	2.88	15	TRANE	TPEFYP024MA144A	SEE BELOW
AHU-1-4	HORIZONTAL FAN COIL	1,306	44	215	48000	54000	208 / 1	4.38	15	TRANE	TPEFYP048MA144A	SEE BELOW
AHU-1-5	HORIZONTAL FAN COIL	300	30	50	8000	9000	208 / 1	1.75	15	TRANE	TPEFYP008MA144A	SEE BELOW
AHU-1-6	HORIZONTAL FAN COIL	1,271	43	200	36000	40000	208 / 1	4.25	15	TRANE	TPEFYP036MA144A	SEE BELOW
AHU-1-7	HORIZONTAL FAN COIL	494	34	40	15000	17000	208 / 1	2.88	15	TRANE	TPEFYP015MA144A	SEE BELOW

NOTES:
1. UNIT SHALL BE TRANE/ MITSUBISHI TYPE OR EQUIVALENT.
2. CONDENSATE DRAIN PANS COMPLETE WITH CONDENSATE SENSOR IN SIDE OF PAN SHALL BE PROVIDED.
3. MERV 8 FILTER
4. REFER TO MANUFACTURERS SPECIFICATIONS FOR CONDENSATE DRAINAGE.
5. UNIT TO BE PROVIDED WITH VIBRATION ISOLATION AND FLEXIBLE DUCT CONNECTIONS.
6. REFER TO MANUFACTURERS SPECIFICATIONS FOR MAXIMUM REFRIGERANT PIPING LENGTHS.
7. REFER TO MANUFACTURERS SPECIFICATIONS FOR CLEARANCE RECOMMENDATIONS.
8. REFER TO MANUFACTURER'S SPECIFICATIONS FOR ELECTRICAL, CONDENSATE AND REFRIGERANT CONNECTIONS TO CONTROLLERS.

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PROFESSIONAL SEALS:

NORTH CAROLINA 039468 REGISTERED LANDSCAPE ARCHITECT 9-19-25 DAVID TUCKER

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmecks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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2231.01	BLN	OGM	2025.12.19

SHEET NAME:

Mechanical Schedules

M402

EXTERIOR LIGHT FIXTURE SCHEDULE

SYMBOL/LABEL	PRODUCT IMAGE	MANUFACTURER	MODEL DESIGNATION	LAMPING	VOLTAGE	VA	FIXTURE DESCRIPTION
EA		LSI INDUSTRIES	MRM-LED-36L-SIL-FT-UNV-DIM-IL-IMSBT2L	LED 38,000 LMS CRI>70	120-277V	288W	POWDER-COATED ALUMINUM HOUSING MOUNTS TO ROUND OR SQUARE POLES, WEATHER PROOF SILICON LENS, UNIVERSAL VOLTAGE, 0-10V DIMMING LED, >100K EXPECTED HOURS. OPTION IMSBT2L = INTEGRAL BLUETOOTH MOTION AND PHOTOCELL SENSOR OPTION IL = INTEGRAL LOUVER (SHARP SPILL LIGHT CUTOFF)
EA2	SAME AS 'EA' EXCEPT AS NOTED	LSI INDUSTRIES	MRM-LED-36L FT-UNV-DIM-IMSBT2L	LED 38,000 LMS CRI>70	120-277V	288W	POWDER-COATED ALUMINUM HOUSING MOUNTS TO ROUND OR SQUARE POLES, WEATHER PROOF SILICON LENS, UNIVERSAL VOLTAGE, 0-10V DIMMING LED, >100K EXPECTED HOURS. OPTION IMSBT2L = INTEGRAL BLUETOOTH MOTION AND PHOTOCELL SENSOR
EA3	SAME AS 'EA' EXCEPT AS NOTED	LSI INDUSTRIES	MRM-LED-18L-SIL-3-UNV-DIM-IMSBT2L	LED 19,400 LMS CRI>70	120-277V	135W	SAME AS 'EA' WITH LOWER WATTAGE AND TYPE 3 DISTRIBUTION.
EB		LSI INDUSTRIES	WPSLL-6L-UNV-40-BLK	LED 6500 LMS 4000K CRI>70	120-277V	60W	LARGE SLIM WALL PACK, POWDER-COATED ALUMINUM HOUSING SURFACE MOUNTS TO J-BOX OR WALL, WEATHER PROOF TEMPERED CLEAR-GLASS LENS, UNIVERSAL VOLTAGE, >100K EXPECTED HOURS.
EC		LSI INDUSTRIES	WPSLS-1L-UNV-40-BLK	LED 1200 LMS 4000K CRI>70	120-277V	12W	SMALL SLIM WALL PACK, POWDER-COATED ALUMINUM HOUSING SURFACE MOUNTS TO J-BOX OR WALL, WEATHER PROOF TEMPERED CLEAR-GLASS LENS, UNIVERSAL VOLTAGE, >100K EXPECTED HOURS.
ED		GENERATION LIGHTING	8994OEN3-12	LED 800 LMS 3000K	120V	9W	OUTDOOR WALL MOUNTED LANTERN IN BLACK FINISH WITH SATIN ETCHED GLASS. SUPPLY FIXTURE WITH 5W LED BULB. LISTED FOR WET LOCATION.
EF		SATCO	65-661	LED 3300 LUMENS 4000K CRI>80	120-277V	30W	OUTDOOR WALL MOUNTED GOOSENECK FIXTURE WITH ADJUSTABLE HOOT. WET LOCATION LISTED. BLACK FINISH.

NOTES:

1. FIXTURES SHALL BE APPROVED WITH ALL NECESSARY MOUNTING HARDWARE, OPTIONS, LAMPS AND COMPONENTS AS REQUIRED FOR THE INSTALLATION AND AS DESCRIBED IN THE SCHEDULE.
2. ALL EXIT SIGNS AND EMERGENCY LIGHTS SHALL BE CIRCUITED TO THE LINE SIDE OF THE LOCAL AREA LIGHTING SWITCH.
3. EQUAL FIXTURES IN APPEARANCE, QUALITY AND PERFORMANCE MAY BE SUBMITTED UNLESS OTHERWISE.

OCCUPANCY SENSOR SCHEDULE

SYMBOL /LABEL	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
OS	DUAL TECHNOLOGY, LOW VOLTAGE, SMALL MOTION 360° OCCUPANCY SENSOR.	ACUITY OR APPROVED EQUAL.		REFER TO SPEC SECTION 26 0923 FOR SPECIFICATIONS.
OSD	DUAL TECHNOLOGY, LOW VOLTAGE, LARGE MOTION 360° OCCUPANCY SENSOR.	ACUITY OR APPROVED EQUAL.	NCM-PDT-10-RJ8-ADCX	PROVIDE A DIMMING POWER PACK FOR EACH SWITCH ZONE. PROVIDE PLENUM RATED LOW VOLTAGE CONTROL CABLE BETWEEN DEVICES AND PLENUM RATED 0-10V DIMMING CONTROL CABLE BETWEEN POWER PACK AND FIXTURE DRIVERS. WHERE LOW VOLTAGE CABLES ARE EXPOSED INSTALL IN CONDUIT.
	0-10V DIMMING POWER PACK	ACUITY OR APPROVED EQUAL.	NPP16D	PROVIDE A POWER PACK PER SWITCH ZONE.
	SWITCHING POWER PACK	ACUITY OR APPROVED EQUAL.	NPP16	PROVIDE A POWER PACK PER SWITCH ZONE. THIS POWER PACK ONLY USED WHERE SPACES HAVE NO DIMMER INSTALLED.

FLOORBOX SCHEDULE

SYMBOL /LABEL	SIZE	SERVICES	CONNNECTIVITY	GENERAL DESCRIPTION
FB2	6"	POWER	(1) 3/4"	CONCRETE FLOOR BOX WITH DIVIDER FOR SEPARATE POWER AND LOW VOLTAGE SERVICES. BOX SHALL HAVE (1) 3/4" TRADE SIZE KNOCK-OUT OPENING AND (1) 1-1/4" TRADE SIZE KNOCK-OUT OPENING. COVER PLATE TO BE SELECTED BY THE ARCHITECT. COORDINATE LOCATIONS WITH THE OWNER. EQUAL BY HUBBELL ACCEPTABLE.
		AV / DATA	(1) 1-1/4"	
FB	6"	POWER	(1) 3/4"	2-HR FIRE RATED POKE-THRU WITH DUPLEX RECEPTACLES AND CENTER MOUNTING PLATE FOR COMMUNICATIONS. UTILIZE LEGRAND EVOLUTION SERIES CATALOG 6ATCPXX WHERE 'XX' REPRESENTS THE FINISH. FLOOR BOX FURNISHED WITH DUPLEX RECEPTACLE WITH MOUNTING PLATE, CENTER COMPARTMENT WITH MOUNTING PLATES FOR COMMUNICATIONS, AND BOTTOM FEED COMPARTMENT FOR CONDUIT CONNECTION. SUITABLE FOR MOUNTING IN POLISHED CONCRETE FLOOR. PROVIDE 3/4" CONDUIT FOR POWER AND 1-1/4" CONDUIT FOR DATA. PROVIDE SUBMITTALS TO ENGINEER AND ARCHITECT FOR APPROVAL. EQUAL BY HUBBELL ACCEPTABLE.
		AV / DATA	(1) 1-1/4"	

NOTES:

LIGHT FIXTURE SCHEDULE

SYMBOL/LABEL	PRODUCT IMAGE	MANUFACTURER	MODEL DESIGNATION	LAMPING	VOLTAGE	VA	FIXTURE DESCRIPTION
A		LSI LIGHTING	LPEC22-20L-UNV-DIM1-40-90	LED 2000 LUMEN 4000K CRI>90	120-277V	17W	2X2 SHALLOW DIRECT-INDIRECT CENTER BASKET LED TROFFER. 0-10V DIMMING.
A2		LSI LIGHTING	LPEC24-LED-40L-UNV-DIM1-40-90	LED 4000 LUMEN 4000K CRI>90	120-277V	32W	2X4 SHALLOW DIRECT-INDIRECT CENTER BASKET LED TROFFER. 0-10V DIMMING.
B		LSI LIGHTING	SFP22-LED-30-UE-DIM-40	LED 3000 LUMEN 4000K CRI>80	120-277V	30W	2X2 FLAT PANEL LED. 0-10V DIMMING.
B2		LSI LIGHTING	SFP24-LED-50-UE-DIM-40	LED 5000 LUMEN 4000K CRI>80	120-277V	50W	2X4 FLAT PANEL LED. 0-10V DIMMING.
C		LSI LIGHTING OR APPROVED EQUAL	LDL3-48-LED-WW-24	LED 400 LUMENS/FT 3500K CRI>80	24V	5W/FT	LED ACCENT STRIP, AIMABLE, DIMMABLE. USED AS COVE FIXTURE ABOVE DROP CLOUD CEILINGS IN EXISTING BUILDING. ORDER POWER SUPPLY FOR EACH ROOM WHERE FIXTURES ARE SPECIFIED.
D		DMF LIGHTING	DC4-T2-S-D-10-GA-OD-3500K-BK	LED 1000 LUMENS 3500K	120V	9W	4" CEILING PENDANT CYLINDER. 24" STEM MOUNT. GENERAL AMBIENT BEAM SPREAD.
E		EXISTING RELOCATED	–	–	–	–	EXISTING RLM TYPE FIXTURES TO BE RELOCATED. PAINT AND RELAMP WITH LED REPLACEMENT FIXTURES.
F		LITHONIA	WF6-LED-304050-90-MW	LED 920 LUMEN 4000K CRI>90	120V	13W	6" RECESSED CAN LIGHT, SHALLOW, INSTALLED IN HARD CEILING.
F2	SAME AS 'F'	SAME AS 'F'	SAME AS 'F'	SAME AS 'F'	–	–	SAME AS 'F' INSTALLED IN LAY-IN CEILING GRID.
G		LSI LIGHTING	SDL4-LED-30L-FL-UNV-35-80CRI	LED 3000 LUMENS 3500K CRI>80	120-277V	23W	INDOOR INDUSTRIAL LED STRIP LIGHT. LISTED FOR DAMP LOCATIONS.
H(XX) (XX=LENGTH')		METALUMEN	RM4DI-2L40K-C-MBMB-SA-L1-1-W-1	LED 1290 LUMEN/FT 4000K CRI>80	120V	12W/FT	4" WIDE, WALL MOUNT, LINEAR LED FIXTURE, 100% DIRECT. VARYING LENGTHS
J		JUNO LIGHTING	JS8C-5IN-30K-90CRI-WH-M6	LED 350 LUMENS 3000K CRI>90	120V	11W	SHALLOW 5" SURFACE MOUNTED LED FIXTURE, DAMP LOCATION.
N(X) (X=LENGTH')		MARK ARCHITECTURAL LIGHTING	SSPID-LLP-MSL6-90CRI-40K-6000LMF-SCT-MNT-MVOLT-WHTT-ZT-F1-36A-RDCY-WHTCY	LED 600 LUMENS/FT 4000K CRI>90	120-277V	5W/FT	SUSPENDED LED LINEAR LIGHT FIXTURE OVER CONFERENCE TABLE, 6',10',13' ACCORDING TO RENOVATION PLANS. 0-10V DIMMING, WHITE SATIN FINISH. T-BAR CEILING BRACKET WITH 36" ADJUSTABLE SUSPENSION.
R		LSI LIGHTING	EG3-4-LED-8L-DA-S-UNV-35-80	LED 6000 LUMENS 3500K CRI>80	120-277V	48W	4' VAPOR TIGHT, WET LOCATION, GASKETED LED FIXTURE
T & T2		METALUX LIGHTING	'T': 8-LBLED-LD4-12-SYMW-UNV-L840 'T2': 8-LBLED-LD4-9-ASYMW-UNV-L840	LED 'T':12000 LUMENS 'T2':9000 LUMENS	120-277V	83W 62W	8' LOW BAY LINEAR SERIES WITH IMPACT RATED LENS AND HOUSING, DAMP LOCATION LISTED.
X	EXIT	BEGHELLI	EPX-SA	LED	120-277V	5W	AC ONLY LED EXIT SIGN, RED LETTERS ON WHITE BACK GROUND. UNIVERSAL MOUNT.

NOTES:

1. FIXTURES SHALL BE APPROVED WITH ALL NECESSARY MOUNTING HARDWARE, OPTIONS. LAMPS AND COMPONENTS AS REQUIRED FOR THE INSTALLATION AND AS DESCRIBED IN THE SCHEDULE.
2. ARCHITECT TO SELECT ALL FINISH COLORS.
3. PROVIDE SEPARATE POWER SUPPLIES, MOUNTING BRACKETS, END CAPS, ACCESSORIES AND ALL COMPONENTS TO ENSURE A COMPLETE AND CLEAN INSTALLATION.
4. COORDINATE EXACT MOUNTING DETAILS, COLORS AND LENGHTS WITH ARCHITECTURAL DETAILS PRIOR TO ORDERING.
5. EQUAL FIXTURES IN APPEARANCE, QUALITY AND PERFORMANCE MAY BE SUBMITTED UNLESS OTHERWISE NOTED BY THE ENGINEER, ARCHITECT OR OWNER.

ELECTRICAL SYMBOLS

ϕ	DIMMER (0-10V OR AS REQUIRED FOR FIXTURE)
$	LIGHT SWITCH (3-WAY - 4-WAY) AS INDICATED
$OC	SWITCH OCCUPANCY SENSOR
$T	TIMER SWITCH
$OC	DIMMER 0-10V OCCUPANCY SENSOR
A-15	NEW HOMERUN TO PANEL 'A', CIRCUIT 15
	NEW UNSWITCHED LIGHTING CIRCUITRY
	NEW POWER OR LIGHTING CIRCUITRY
	DUPLEX RECEPTACLE
	QUAD RECEPTACLE
FB	FLOOR BOX (POWER & DATA) - SEE SCHEDULE
	TELEPHONE/DATA OUTLET (2 CABLES PER LOCATION UNLESS OTHERWISE NOTED ON PLANS)
	DISCONNECT SWITCH FUSE AS SPECIFIED WITH TOOL DEFEATABLE DOOR INTERLOCK
	DISTRIBUTION PANEL AS SPECIFIED
J	JUNCTION BOX
B	BACK BOX WITH BLANK COVER PLATE
	HATCHING INDICATES DEVICE TO BE DEMOLISHED (TYP.)
RE	RELOCATE EXISTING DEVICE
ER	EXISTING DEVICE RELOCATED
PB	PANIC BUTTON OUTLET
DC	DOOR CONTACT
CR	CARD READER OUTLET
DR	DOOR RELEASE OUTLET
TR	GFI BLANK TRIP UNIT
MD	SECURITY MOTION DETECTOR OUTLET
OS	CEILING MOUNTED OCCUPANCY SENSOR
GFI	GROUND FAULT CIRCUIT INTERRUPTOR
WP	WEATHER PROOF
	WIRELESS ACCESS POINT
	EXTERIOR POE CAMERA (BY OWNER, ROUGH-IN BY EC)
	INTERIOR POE CAMERA (BY OWNER, ROUGH-IN BY EC)
	CARD READER AT ACCESS CONTROLLED DOOR
	ELECTRIC LOCK (STRIKE OR LOCK PER DOOR SCHEDULE)
	DOOR POSITION SWITCH AT ACCESS CONTROLLED DOOR
EC	ELECTRICAL CONTRACTOR
C	CEILING MOUNTED

NOTE:

1. ITEMS IN BOLD INDICATE NEW WORK. THIN LINE WEIGHT ITEMS INDICATE EXISTING CONDITIONS.
2. NOT ALL DEVICES ARE IDENTIFIED IN THE LIST ABOVE. REFER TO DRAWINGS FOR ADDITIONAL INFORMATION.

FIRE ALARM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
NAC	FIRE ALARM NOTIFICATION APPLIANCE BOOSTER PANEL
TC	FIRE ALARM TERMINAL CABINET
S	SMOKE DETECTOR
H	HEAT DETECTOR
SD	SMOKE DAMPER
P	DOUBLE-ACTION PULL STATION
H#	HORN & STROBE (# INDICATES CANDELA)
V#	STROBE (# INDICATES CANDELA)
DD	DUCT DETECTOR
R1	REMOTE ALARM INDICATOR WITH KEYED TEST SWITCH
CM	ADDRESSABLE CONTROL MODULE
MM	ADDRESSABLE MONITOR MODULE
IS	ISOLATION MODULE
R	RELAY
WP	DENOTES WEATHERPROOF DEVICE

GENERAL ELECTRICAL DEMOLITION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES, RECEPTACLES, POWER JUNCTION AND OUTLET BOXES, VOICE AND DATA TELECOMMUNICATION OUTLETS, TELEVISION OUTLETS, FIRE ALARM SYSTEM DEVICES AND OUTLETS, AND ASSOCIATED ELECTRICAL AND SIGNALING SYSTEM PANELS, CABINETS AND EQUIPMENT AS INDICATED ON DEMOLITION DRAWINGS.
2. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT ELECTRICAL SERVICES TO ALL EQUIPMENT FOR REMOVAL BY THE GENERAL CONTRACTOR. COORDINATE THE DISCONNECTION AND DEMOLITION OF EQUIPMENT CLOSELY WITH THE GENERAL CONTRACTOR.
3. REMOVE POWER AND SIGNALING SYSTEMS WIRING AND RACEWAY CIRCUITRY WHICH SERVES FIXTURES, DEVICES, OUTLETS AND/OR EQUIPMENT BEING REMOVED. REMOVE THIS CIRCUITRY BACK TO ITS SOURCE.
4. COORDINATE REMOVAL OF POWER TO ALL TELECOM AND AV ELECTRONIC EQUIPMENT WITH OWNER.
5. COORDINATE ANY AND ALL WORK WITH ALL OTHER TRADES PRIOR TO DEMOLITION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS IN ORDER TO OBTAIN A FULL UNDERSTANDING OF WORK TO BE DONE. THE CONTRACTOR SHALL INSPECT AND OBSERVE THE EXISTING SITE, BUILDING, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL CONDITIONS PRIOR TO BEGINNING DEMOLITION AND SHALL PERFORM HIS WORK IN A MANNER TO ACCOMMODATE THESE EXISTING CONDITIONS.
7. SINCE THIS RENOVATION INCLUDES A GUT OF THE EXISTING BUILDING, NOT ALL DEVICES ARE SHOWN WITHIN THIS AREA. CONTRACTOR SHALL VISIT SITE TO UNDERSTAND FULL SCOPE OF DEMOLITION.
8. ALL EXISTING POWER PANELS SHALL REMAIN IN SERVICE DURING PHASE 1 AND SHALL BE REMOVED COMPLETE DURING PHASE 2.
9. WHERE DEVICES ARE REMOVED IN AN EXISTING MASONRY WALL TO REMAIN, PROVIDE BLANK COVER PLATES OR PATCH HOLE TO MATCH EXISTING SURFACE.

GENERAL ELECTRICAL NOTES:

1. THE CONTRACTOR SHALL VERIFY EQUIPMENT NAMEPLATE INFORMATION BEFORE INSTALLING CONDUIT, WIRING, CIRCUIT BREAKERS, DISCONNECT SWITCHES OR FUSES.
2. CONTRACTOR SHALL NOT CHOOSE PRODUCTS OTHER THAN THE BASIS OF DESIGN, WITH OUT COORDINATION WITH THE ENGINEER. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL COSTS RELATED TO REPLACING ANY UNAPPROVED SUBSTITUTIONS.
3. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE ELECTRICAL DRAWINGS REGARDING BUILDING CONSTRUCTION, DIMENSION AND ARRANGEMENT. LINES THAT REQUIRE SLOPE, SUCH AS PLUMBING WASTE LINES SHALL TAKE PRECEDENCE OVER ELECTRICAL LINES. CONTRACTOR SHALL COORDINATE CLOSELY WITH ALL TRADES TO AVOID CONFLICTS AND SHALL PROVIDE ALL OFFSETS AND EQUIPMENT AS REQUIRED TO FIT THE ELECTRICAL WORK INTO THE AVAILABLE SPACE.
4. ALL DISCONNECTS SHALL HAVE A GROUND BAR, A NEUTRAL BAR AND TOOL DEFEATABLE DOOR INTERLOCKS..
5. COORDINATE ANY AND ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION SO AS TO AVOID CONFLICT DURING CONSTRUCTION.
6. ALL PANELS SHALL HAVE TYPED, COMPLETED DIRECTORIES INDICATING EQUIPMENT SERVED AND ROOM NUMBER (AS INDICATED ON FINAL BUILDING ROOM SIGNAGE) OF EQUIPMENT LOCATION, OR SPARE, OR SPACE.
7. COORDINATE ALL DEVICES AND OUTLETS ABOVE, BELOW AND ABOUT CASEWORK CLOSELY WITH CASEWORK CONTRACTOR IN ORDER TO LOCATE AT THE PROPER LOCATION AND HEIGHT.
8. THE CONTRACTOR SHOULD READ AND UNDERSTAND THE ENTIRE SET OF CONSTRUCTION DOCUMENTS WHICH INCLUDES BUT IS NOT LIMITED TO THE SPECIFICATIONS, ARCHITECTURAL, CIVIL, STRUCTURAL AND ALL ENGINEERING DRAWINGS, SO THAT HE MAY UNDERSTAND THE FULL SCOPE OF WORK AND CONVEY THE PROPER REQUIRED MATERIALS AND METHODS OF INSTALLATION TO THE ESTIMATORS, SUPPLIERS AND INSTALLERS.
9. THE CONTRACTOR SHALL INSPECT AND OBSERVE THE EXISTING SITE, BUILDING, STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL CONDITIONS PRIOR TO BEGINNING WORK AND SHALL PROVIDE AND INSTALL FIXTURES, DEVICES AND EQUIPMENT IN A MANNER TO ACCOMMODATE THESE EXISTING CONDITIONS.
10. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS IN ORDER TO OBTAIN A FULL UNDERSTANDING OF WORK TO BE DONE.
11. NO EXISTING POWER (CIRCUIT BREAKER, DISCONNECT SWITCHES, ETC.) IS TO BE TURNED OFF UNTIL VERIFIED THAT IT IS NOT IN CURRENT USE AND UNTIL APPROVED BY THE OWNER.
12. ALL ELECTRICAL EQUIPMENT TERMINALS SHALL BE RATED FOR 75°C CONDUCTORS.
13. FINAL LOCATIONS OF ALL POWER DEVICES SHALL BE COORDINATED WITH FINAL EQUIPMENT PLAN PRIOR TO ROUGH-IN OF ANY LOCATIONS.
14. IN FINISHED SPACES, ALL CONDUIT SHALL BE CONCEALED AND ALL OUTLET BOXES SHALL BE FLUSH MOUNTED.

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PROFESSIONAL SEALS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028869 DENNIS HAYES

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

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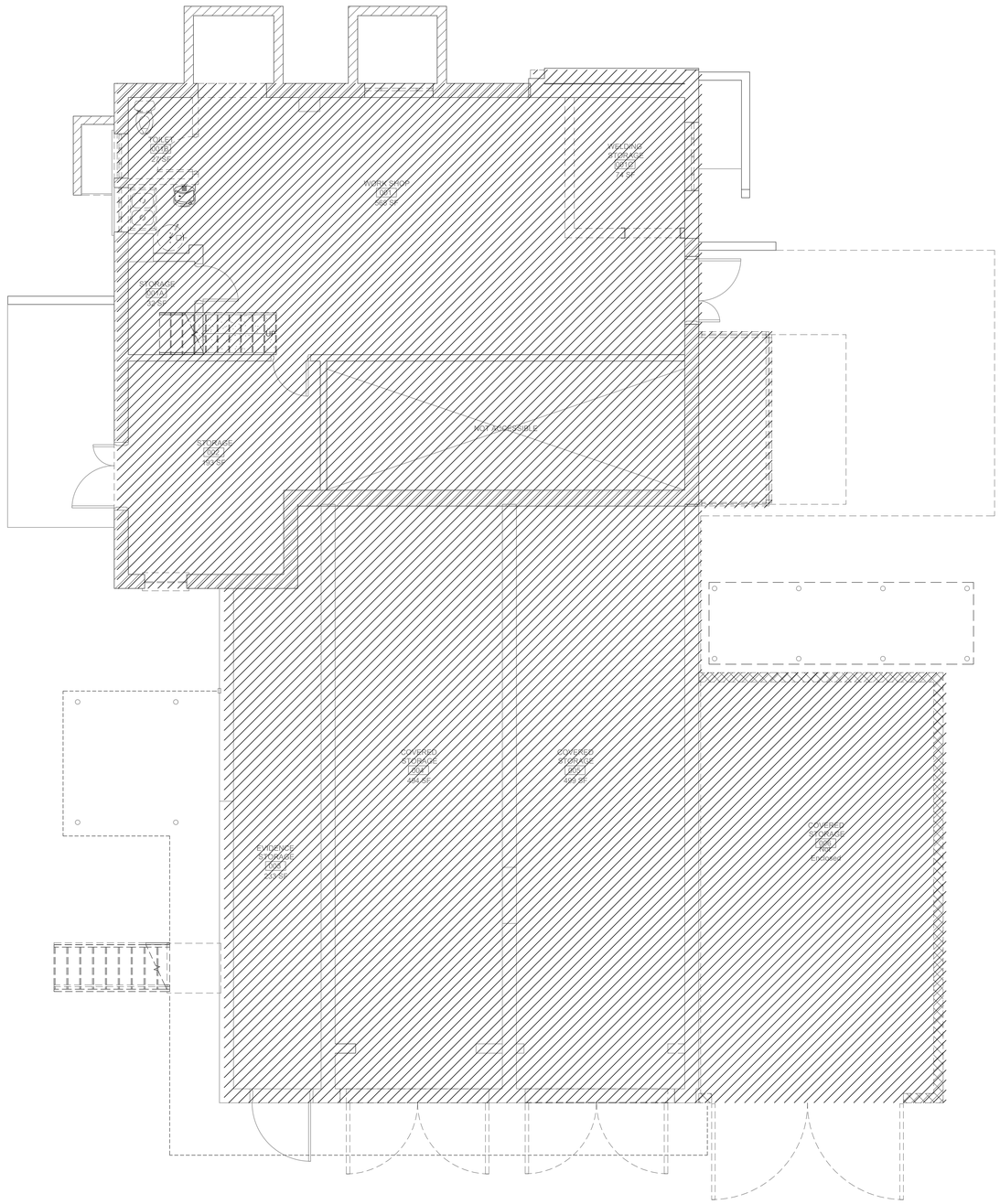
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JLH	JDH	2025.12.19

SHEET NAME:

Electrical Legend & Notes

E001



1 / E101 Electrical Demolition Plan - Lower Level

SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. DEMOLISH ALL EXISTING LIGHTING, CONTROLS, AND ASSOCIATED CIRCUITS (CONDUIT AND WIRING).
2. DEMOLISH ALL EXISTING DEVICES, BOXES, AND ASSOCIATED CIRCUITS (CONDUIT AND WIRING).
3. DEMOLISH ALL EXISTING POWER DISTRIBUTION EQUIPMENT, GEAR, DISCONNECT SWITCHES.
4. DEMOLISH ALL EXISTING CONDUIT AND WIRING. RENOVATION TO PROVIDE ALL NEW CONDUIT AND WIRING. NO EXISTING CIRCUITS OR RACEWAYS TO BE RE-USED OR ABANDONED.
5. WHERE AN EXISTING CONDUIT IS RECESSED IN A MASONRY WALL AT A LOCATION WHERE A NEW DEVICE IS SHOWN, THE PART OF THE CONDUIT IN THE MASONRY WALL ONLY MAY BE REUSED. THIS CONDUIT SHALL BE EXTENDED FROM THE POINT IT LEAVES THE WALL TO THE NEW POWER OR LOW VOLTAGE SYSTEM FEED AS NOTED ON THE RENOVATION PLANS.

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PROJECT INFORMATION:

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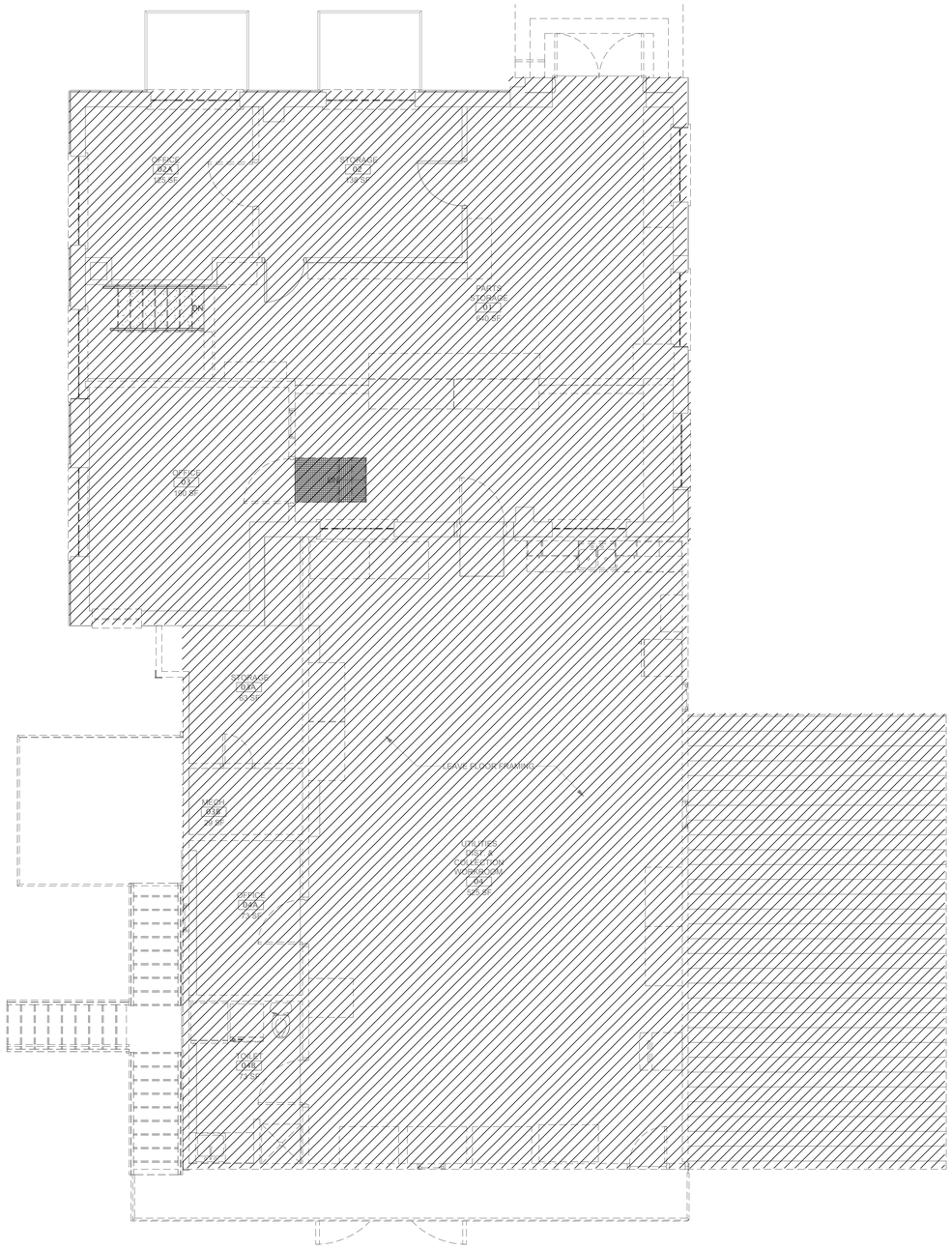
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SHEET NAME:

Electrical Demolition Plan - Lower Level

E101



1 / E102 Electrical Demolition Plan - Main Level

SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. DEMOLISH ALL EXISTING LIGHTING, CONTROLS, AND ASSOCIATED CIRCUITS (CONDUIT AND WIRING).
2. DEMOLISH ALL EXISTING DEVICES, BOXES, AND ASSOCIATED CIRCUITS (CONDUIT AND WIRING).
3. DEMOLISH ALL EXISTING POWER DISTRIBUTION EQUIPMENT, GEAR, DISCONNECT SWITCHES.
4. DEMOLISH ALL EXISTING CONDUIT AND WIRING. RENOVATION TO PROVIDE ALL NEW CONDUIT AND WIRING. NO EXISTING CIRCUITS OR RACEWAYS TO BE RE-USED OR ABANDONED.
5. WHERE AN EXISTING CONDUIT IS RECESSED IN A MASONRY WALL AT A LOCATION WHERE A NEW DEVICE IS SHOWN, THE PART OF THE CONDUIT IN THE MASONRY WALL ONLY MAY BE REUSED. THIS CONDUIT SHALL BE EXTENDED FROM THE POINT IT LEAVES THE WALL TO THE NEW POWER OR LOW VOLTAGE SYSTEM FEED AS NOTED ON THE RENOVATION PLANS.

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PROFESSIONAL SEALS:

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PROJECT INFORMATION:

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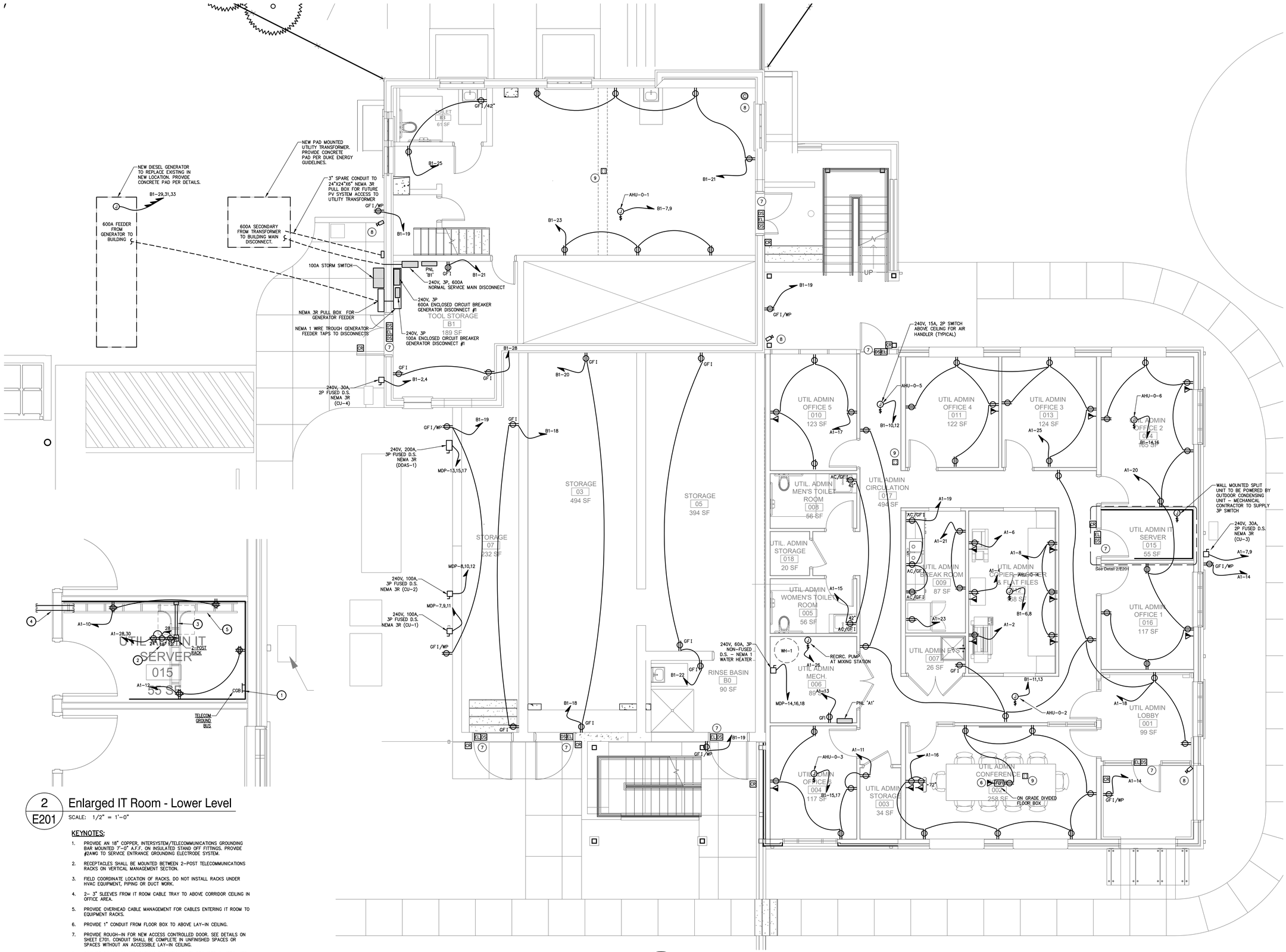
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SHEET NAME:

Electrical Demolition Plan - Main Level

E102



2 / E201 Enlarged IT Room - Lower Level

SCALE: 1/2" = 1'-0"

KEYNOTES:

1. PROVIDE AN 18" COPPER, INTERSYSTEM/TELECOMMUNICATIONS GROUNDING BAR MOUNTED 7'-0" A.F.F. ON INSULATED STAND OFF FITTINGS. PROVIDE #2AWG TO SERVICE ENTRANCE GROUNDING ELECTRODE SYSTEM.
2. RECEPTACLES SHALL BE MOUNTED BETWEEN 2-POST TELECOMMUNICATIONS RACKS ON VERTICAL MANAGEMENT SECTION.
3. FIELD COORDINATE LOCATION OF RACKS. DO NOT INSTALL RACKS UNDER HVAC EQUIPMENT, PIPING OR DUCT WORK.
4. 2- 3" SLEEVES FROM IT ROOM CABLE TRAY TO ABOVE CORRIDOR CEILING IN OFFICE AREA.
5. PROVIDE OVERHEAD CABLE MANAGEMENT FOR CABLES ENTERING IT ROOM TO EQUIPMENT RACKS.
6. PROVIDE 1" CONDUIT FROM FLOOR BOX TO ABOVE LAY-IN CEILING.
7. PROVIDE ROUGH-IN FOR NEW ACCESS CONTROLLED DOOR. SEE DETAILS ON SHEET E701. CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING.
8. PROVIDE ROUGH-IN AND CABLING FOR NEW OWNER PROVIDED CAMERA. SEE DETAIL ON SHEET . CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING. PROVIDE OUTLET BOX, CONDUIT, PULL STRING AS REQUIRED.
9. PROVIDE CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT. IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING, PROVIDE OUTLET BOX, JACK, AND CONDUIT COMPLETE. AT LOCATIONS WITH ACCESSIBLE CEILINGS, PROVIDE 10' COIL OF CABLE WITH BISCUIT JACK.

1 / E201 Electrical Renovation Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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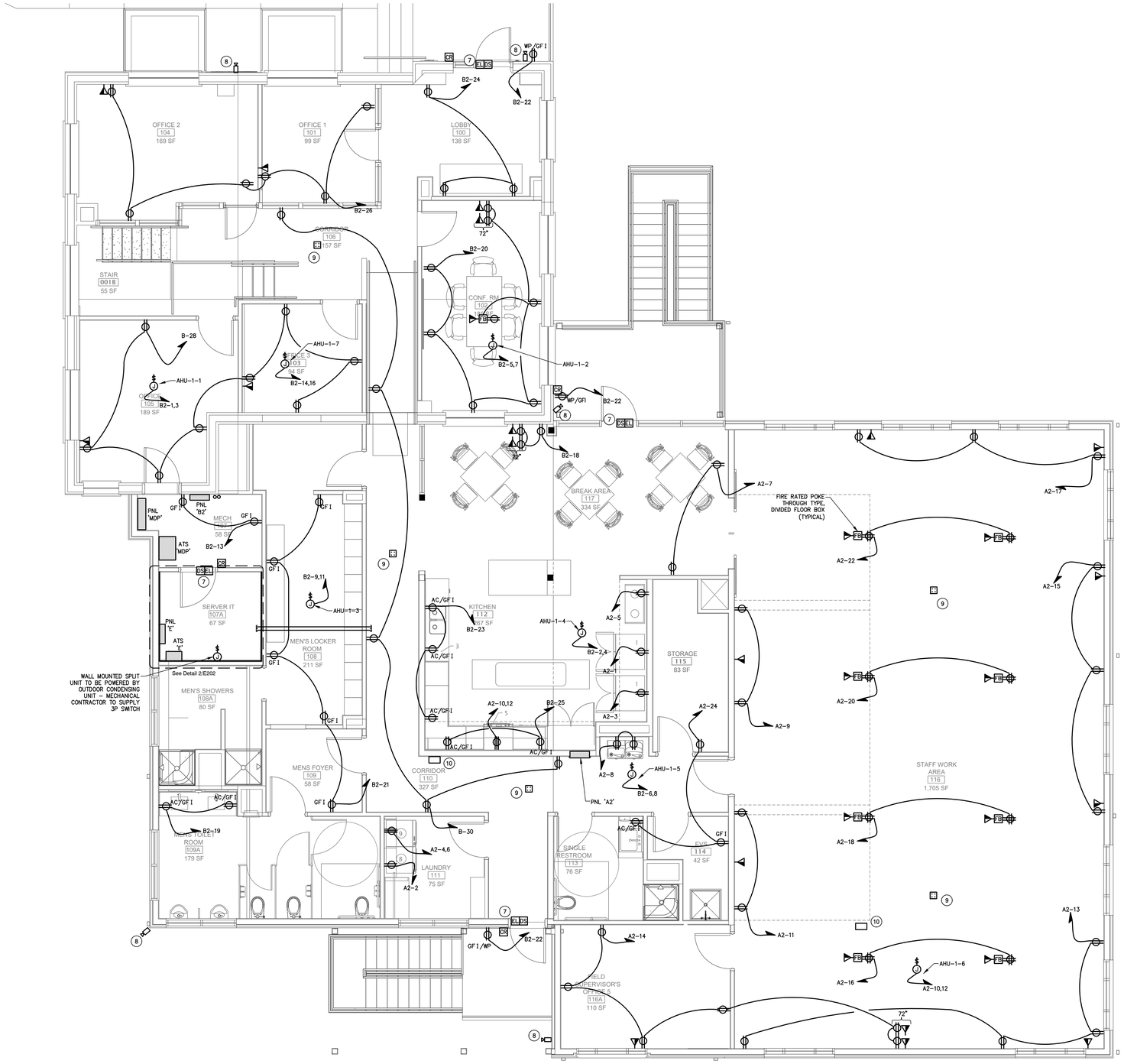
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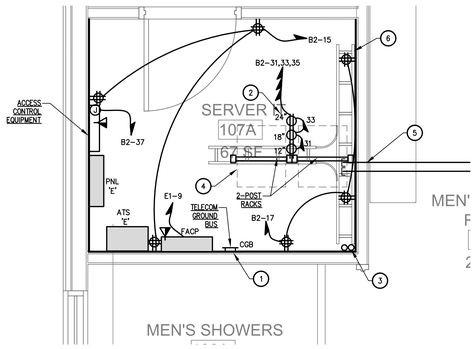
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SHEET NAME:

Electrical Renovation Plan - Lower Level

E201





2 / E202 Enlarged IT Room - Upper Level

SCALE: 1/2" = 1'-0"

MDF Room

1 / E202 Power Renovation Plan - Main Level

SCALE: 1/4" = 1'-0"

KEYNOTES:

1. PROVIDE AN 18" COPPER, INTERSYSTEM/TELECOMMUNICATIONS GROUNDING BAR MOUNTED 7'-0" A.F.F. ON INSULATED STAND OFF FITTINGS. PROVIDE #2AWG TO SERVICE ENTRANCE GROUNDING ELECTRODE SYSTEM.
2. RECEPTACLES SHALL BE MOUNTED BETWEEN 2-POST TELECOMMUNICATIONS RACKS ON VERTICAL MANAGEMENT SECTION.
3. TWO (2) – 3" SLEEVES FROM MDF ROOM TO MAIN ELECTRICAL ROOM TELECOM SERVICE ENTRANCE ON LOWER LEVEL.
4. FIELD COORDINATE LOCATION OF RACKS. DO NOT INSTALL RACKS UNDER HVAC EQUIPMENT, PIPING OR DUCT WORK.
5. TWO (2) – 3" SLEEVES FROM IT ROOM CABLE TRAY TO ABOVE CORRIDOR CEILING IN OFFICE AREA.
6. PROVIDE OVERHEAD CABLE MANAGEMENT FOR CABLES ENTERING IT ROOM TO EQUIPMENT RACKS.
7. PROVIDE ROUGH-IN FOR NEW ACCESS CONTROLLED DOOR. SEE DETAILS ON SHEET E701. CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING.
8. PROVIDE ROUGH-IN AND CABLING FOR NEW OWNER PROVIDED CAMERA. SEE DETAIL ON SHEET . CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING. PROVIDE OUTLET BOX, CONDUIT, PULL STRING AS REQUIRED.
9. PROVIDE CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT. IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING, PROVIDE OUTLET BOX, JACK, AND CONDUIT COMPLETE. AT LOCATIONS WITH ACCESSIBLE CEILINGS, PROVIDE 10' COIL OF CABLE WITH BISCUIT JACK.
10. INSTALL 24"X24"X6" NEMA 3R PULL BOX ON SIDE OF LIGHT MONITOR POP-UP FOR FUTURE PV SYSTEM INSTALLATION BY OWNER. INSTALL 2" CONDUIT FROM PULL BOX DOWN INTO CEILING BELOW AND THEN TO 2ND FLOOR MECHANICAL ROOM. FIELD COORDINATE EXACT LOCATION OF PULL BOX AND CONDUIT PENETRATIONS WITH ARCHITECT AND GENERAL CONTRACTOR.

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PROJECT INFORMATION:

Town of Hillsborough Adron F. Thompson Addition & Renovation

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KEY PLAN:

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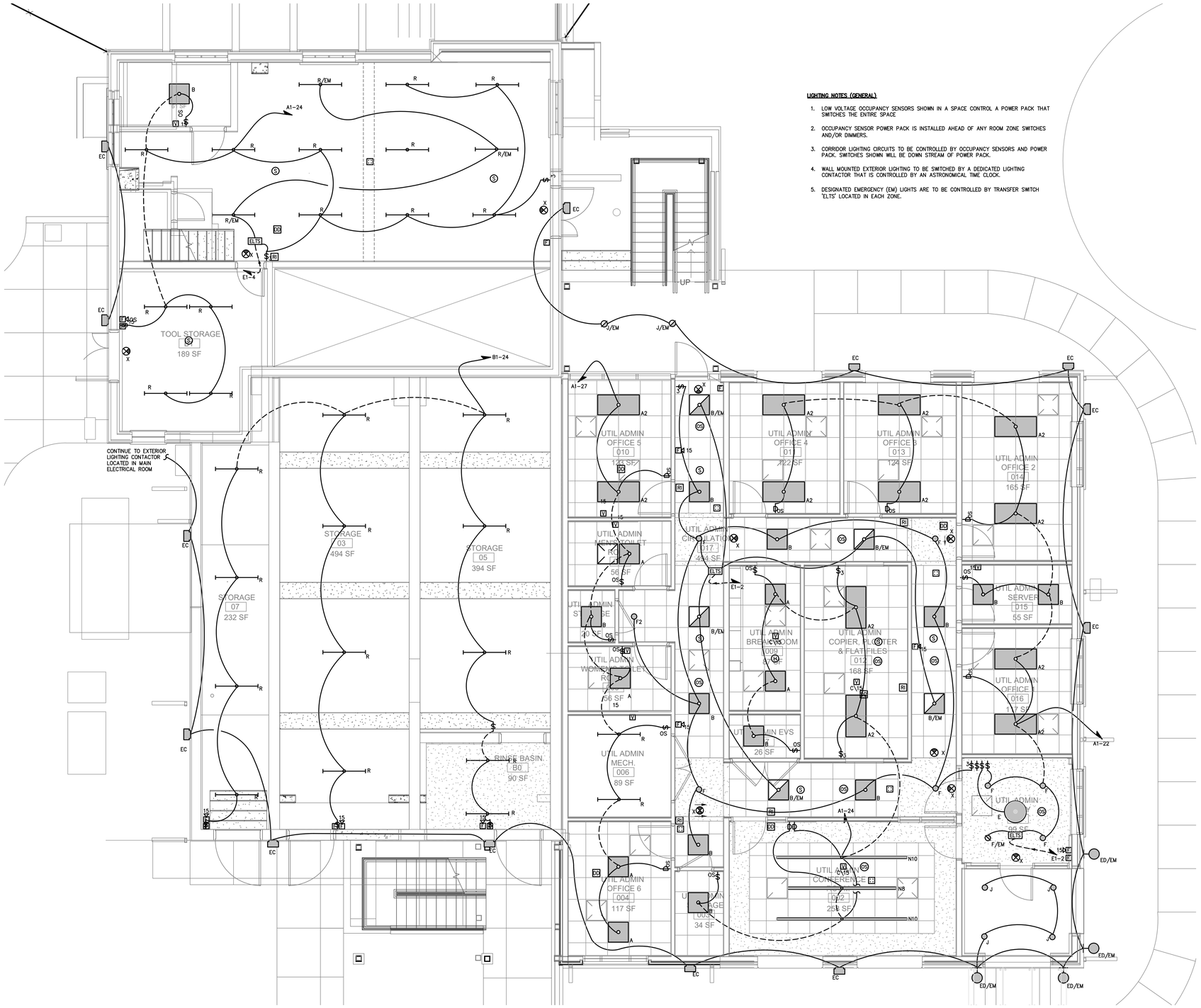
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SHEET NAME:

Electrical Renovation Plan Main Level

E202



1 E203 Lighting Renovation Plan - Lower Level

SCALE: 1/4" = 1'-0"

LIGHTING NOTES (GENERAL)

1. LOW VOLTAGE OCCUPANCY SENSORS SHOWN IN A SPACE CONTROL A POWER PACK THAT SWITCHES THE ENTIRE SPACE
2. OCCUPANCY SENSOR POWER PACK IS INSTALLED AHEAD OF ANY ROOM ZONE SWITCHES AND/OR DIMMERS.
3. CORRIDOR LIGHTING CIRCUITS TO BE CONTROLLED BY OCCUPANCY SENSORS AND POWER PACK. SWITCHES SHOWN WILL BE DOWN STREAM OF POWER PACK.
4. WALL MOUNTED EXTERIOR LIGHTING TO BE SWITCHED BY A DEDICATED LIGHTING CONTACTOR THAT IS CONTROLLED BY AN ASTRONOMICAL TIME CLOCK.
5. DESIGNATED EMERGENCY (EM) LIGHTS ARE TO BE CONTROLLED BY TRANSFER SWITCH 'ELTS' LOCATED IN EACH ZONE.

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PROJECT INFORMATION:

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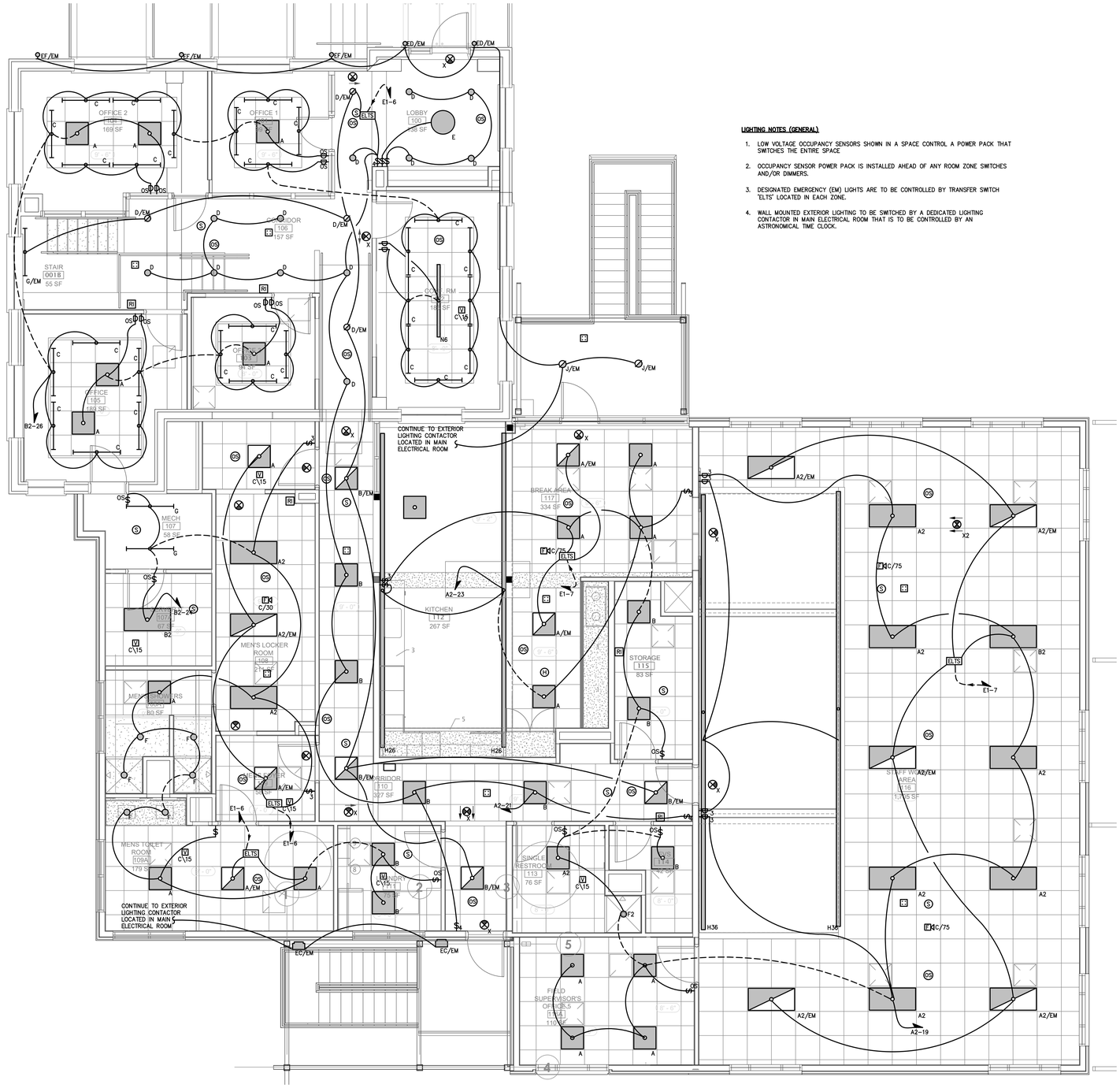
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SHEET NAME:

Lighting Renovation Plan - Lower Level

E203



1 / E204 Lighting Renovation Plan - Main Level

SCALE: 1/4" = 1'-0"

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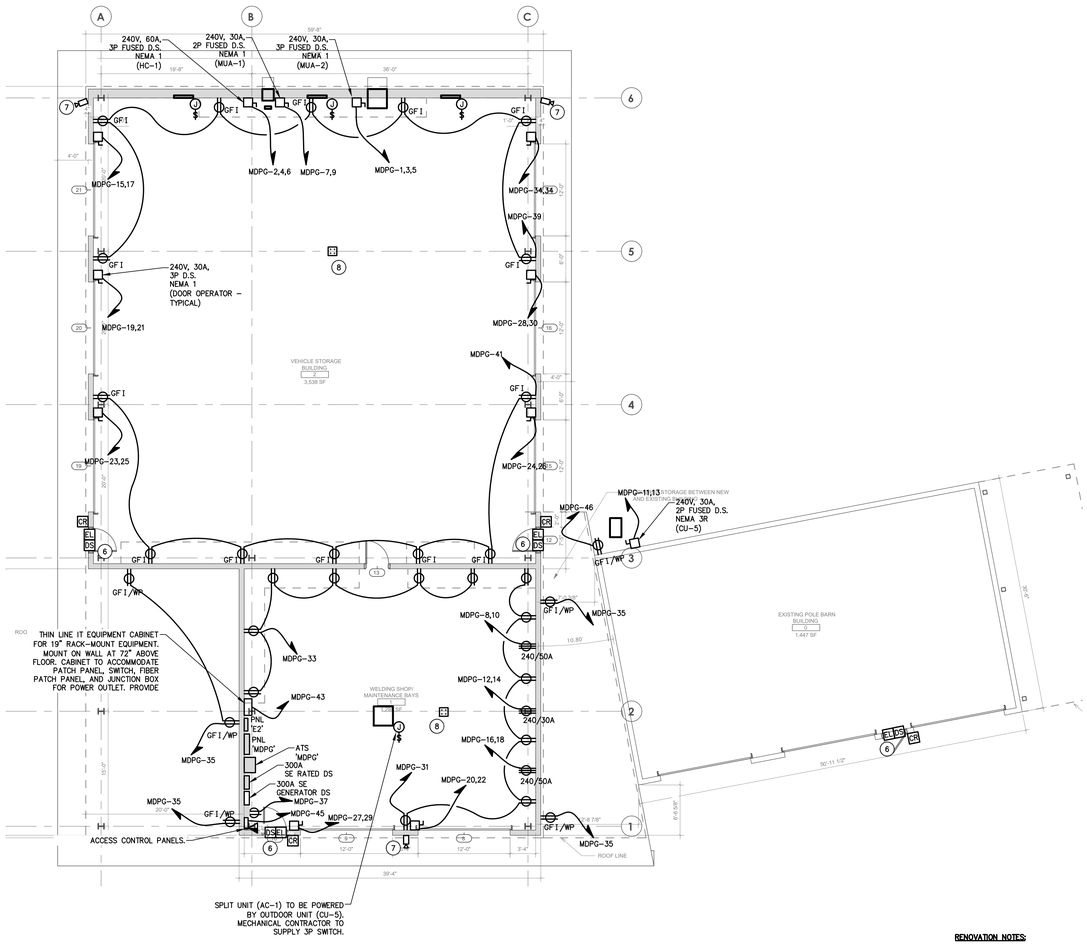
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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JLH	JDH	2025.12.19

SHEET NAME:

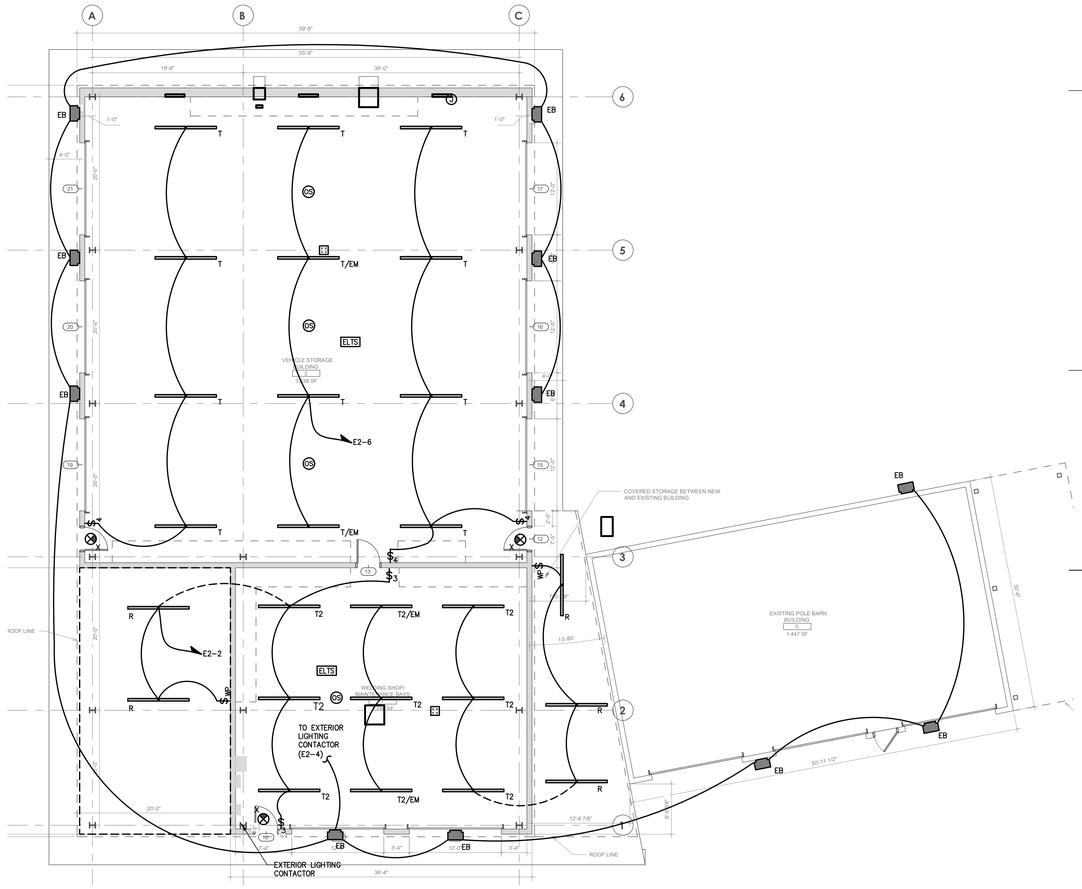
Lighting Renovation Plan - Main Level

E204



1 E301 **Power Renovation Plan**

SCALE: 1/8" = 1'-0"



2 E301 **Lighting Renovation Plan**

SCALE: 1/8" = 1'-0"

RENOVATION NOTES:

1. LOW VOLTAGE OCCUPANCY SENSORS SHOWN IN A SPACE CONTROL A POWER PACK THAT SWITCHES THE ENTIRE SPACE
2. OCCUPANCY SENSOR POWER PACK IS INSTALLED AHEAD OF ANY ROOM ZONE SWITCHES AND/OR DIMMERS.
3. WALL MOUNTED EXTERIOR LIGHTING TO BE SWITCHED BY A DEDICATED LIGHTING CONTACTOR THAT IS CONTROLLED BY AN ASTRONOMICAL TIME CLOCK.
4. DESIGNATED EMERGENCY (EM) LIGHTS TO BE FED THROUGH EMERGENCY LIGHTING SHUNT RELAY TO BY-PASS SWITCH AND TURN FIXTURES ON IN THE EVENT OF POWER LOSS.
5. EXIT SIGNS TO BE FED FROM UNSWITCHED AREA EMERGENCY LIGHTING CIRCUIT.
6. PROVIDE ROUGH-IN FOR NEW ACCESS CONTROLLED DOOR. SEE DETAILS ON SHEET E701. CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING.
7. PROVIDE ROUGH-IN AND CABLING FOR NEW OWNER PROVIDED CAMERA. SEE DETAIL ON SHEET . CONDUIT SHALL BE COMPLETE IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING. PROVIDE OUTLET BOX, CONDUIT, PULL STRING AS REQUIRED.
8. PROVIDE CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT. IN UNFINISHED SPACES OR SPACES WITHOUT AN ACCESSIBLE LAY-IN CEILING, PROVIDE OUTLET BOX, JACK, AND CONDUIT COMPLETE.

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PROFESSIONAL SEALS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028869 JON ENNIS HAYES

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North

Not to Scale

REVISIONS

No.	Date	Description

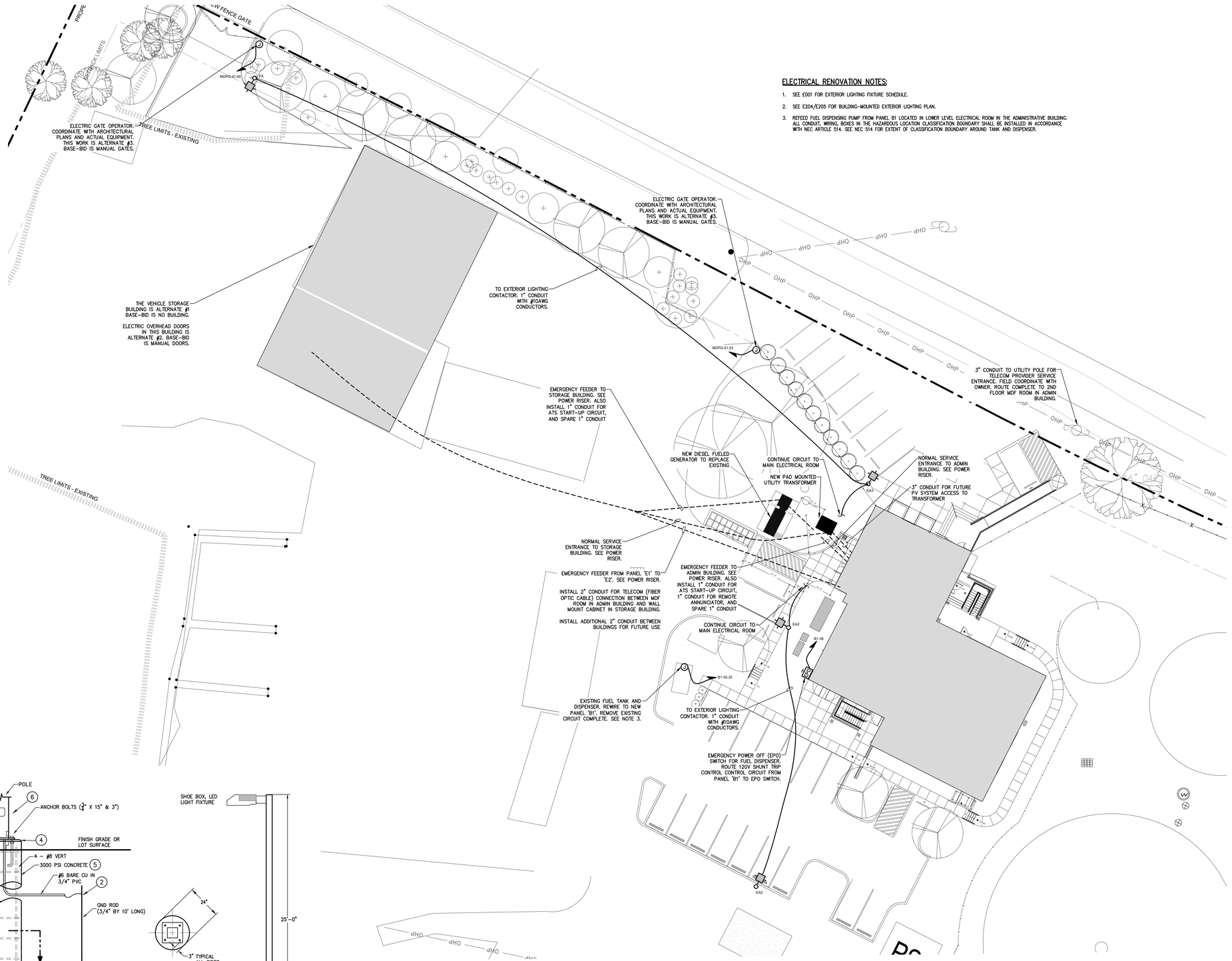
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SHEET NAME:

Electrical Plans - Maintenance Storage Building

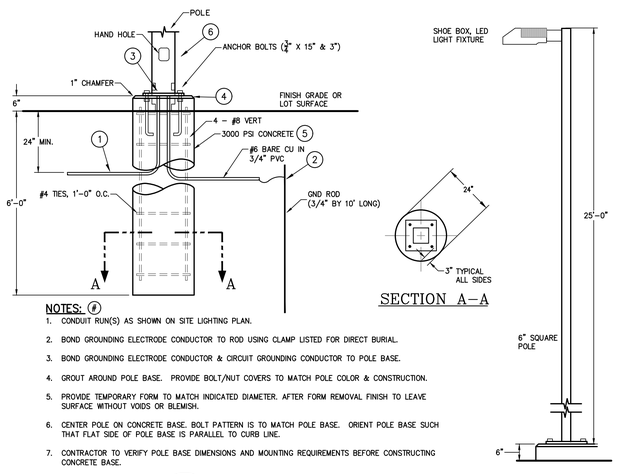
E301



ELECTRICAL RENOVATION NOTES:

1. SEE E001 FOR EXTERIOR LIGHTING FIXTURE SCHEDULE.
2. SEE E204/E205 FOR BUILDING-MOUNTED EXTERIOR LIGHTING PLAN.
3. REFEED FUEL DISPENSING PUMP FROM PANEL B1 LOCATED IN LOWER LEVEL ELECTRICAL ROOM IN THE ADMINISTRATIVE BUILDING. ALL CONDUIT, WIRING, BOXES IN THE HAZARDOUS LOCATION CLASSIFICATION BOUNDARY SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 514. SEE NEC 514 FOR EXTENT OF CLASSIFICATION BOUNDARY AROUND TANK AND DISPENSER.

1 / E401 **Electrical Site Renovation Plan**
SCALE: 1/16" = 1'-0"



NOTES: (6)

1. CONDUIT RUN(S) AS SHOWN ON SITE LIGHTING PLAN.
2. BOND GROUNDING ELECTRODE CONDUCTOR TO ROD USING CLAMP LISTED FOR DIRECT BURIAL.
3. BOND GROUNDING ELECTRODE CONDUCTOR & CIRCUIT GROUNDING CONDUCTOR TO POLE BASE.
4. GROUT AROUND POLE BASE. PROVIDE BOLT/NUT COVERS TO MATCH POLE COLOR & CONSTRUCTION.
5. PROVIDE TEMPORARY FORM TO MATCH INDICATED DIAMETER. AFTER FORM REMOVAL FINISH TO LEAVE SURFACE WITHOUT VOIDS OR BLEMISH.
6. CENTER POLE ON CONCRETE BASE. BOLT PATTERN IS TO MATCH POLE BASE. ORIENT POLE BASE SUCH THAT FLAT SIDE OF POLE BASE IS PARALLEL TO CURB LINE.
7. CONTRACTOR TO VERIFY POLE BASE DIMENSIONS AND MOUNTING REQUIREMENTS BEFORE CONSTRUCTING CONCRETE BASE.

2 / E401 **25' Light Pole Detail**
SCALE: NONE

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PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

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KEY PLAN:

Plan North — Not to Scale

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No.	Date	Description

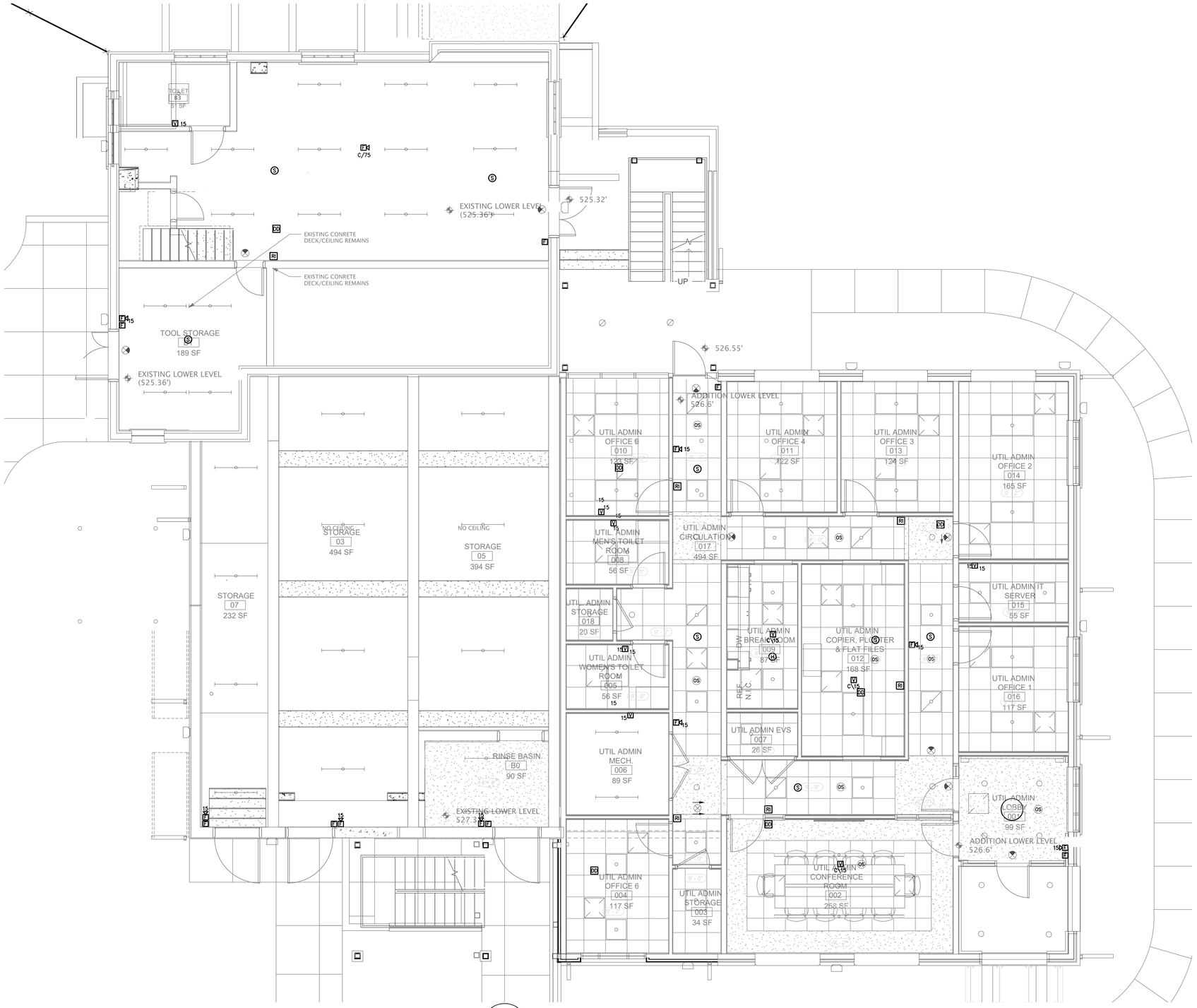
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SHEET NAME:

Site Electrical Plan

E401



1
E501

Fire Alarm Renovation Plan - Lower Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

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028869
12-19-25
JOHN DENNIS HAYES

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JLH	JDH	2025.12.19

SHEET NAME:

Fire Alarm Renovation Plan - Lower Level

E501



1 / E502 Fire Alarm Renovation Plan - Main Level

SCALE: 1/4" = 1'-0"

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PROFESSIONAL SEALS:

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 028869 JOHN DENNIS HAYES 12-19-25

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

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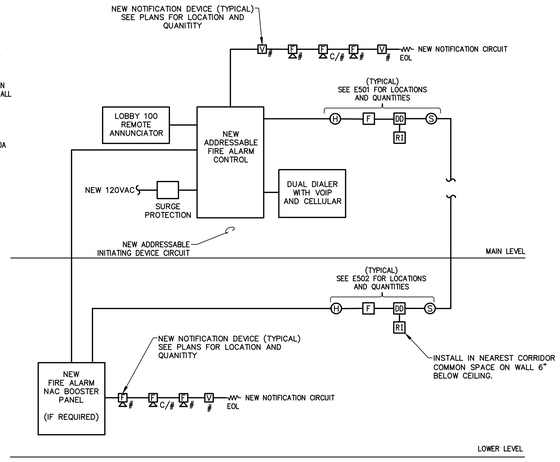
SHEET NAME:

Fire Alarm Renovation Plan - Main Level

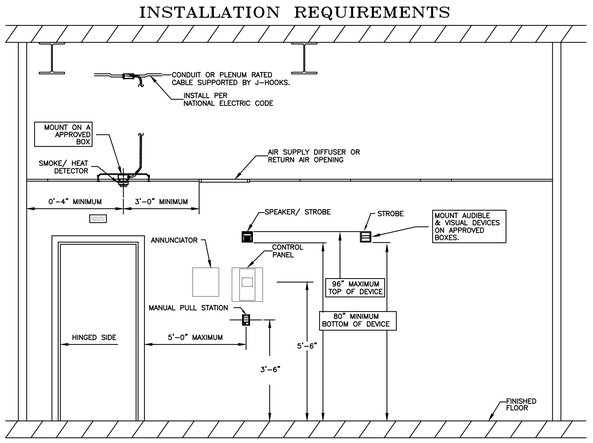
E502

FIRE ALARM RISER NOTES:

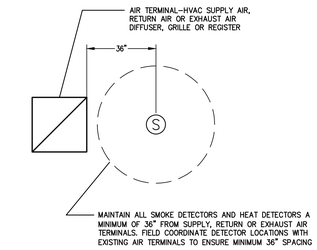
1. DEVICES SHOWN ARE DIAGRAMMATIC AND DO NOT INDICATE EXACT QUANTITIES. REFER TO PLANS FOR QUANTITIES AND CANDELA RATINGS OF STROBES..
2. ALL FIRE ALARM DEVICES, EQUIPMENT, CABLING, TERMINATIONS AND TESTING ARE TO BE PROVIDED BY THE FIRE ALARM CONTRACTOR UNDER THE SCOPE OF THE ELECTRICAL CONTRACTOR.
3. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING BACKBOXES, EMPTY CONDUIT WITH PULL STRING AND ROUGH-IN FOR ALL LOCATIONS AS SHOWN FOR USE BY THE FIRE ALARM CONTRACTOR. EXACT LOCATIONS OR BOXES AND CONDUIT ROUTING SHALL BE FIELD COORDINATED WITH THE APPROVED SHOP DRAWINGS AND FIRE ALARM VENDOR..
4. COORDINATE WITH OWNER REGARDING CARRIER FOR CELLULAR DIALING
6. REMOTE NAC BOOSTER POWER SUPPLIES TO BE INSTALLED IN ELECTRICAL ROOMS AS REQUIRED. PROVIDE SURGE PROTECTED 120V, 20A CIRCUIT BREAKER AND 3/4" CONDUIT WITH 3-#12AWG AS REQUIRED.
7. PROVIDE SURGE PROTECTION FOR 120V POWER TO ALL FIRE ALARM PANELS. FEED THROUGH TYPE WITH REPLACEABLE MODULE.
8. PROVIDE SURGE PROTECTION FOR ALL CIRCUITS LEAVING AND ENTERING BUILDINGS. PROVIDE ADDITIONAL ISOLATION MODULES FOR ADDRESSABLE CIRCUIT LEAVING BUILDING.



1 / E503 **Fire Alarm Riser**
SCALE: Not To Scale



2 / E503 **Fire Alarm Device Mounting Heights**
SCALE: Not To Scale



3 / E503 **Smoke & Heat Detector Clearance From Air Terminals**
SCALE: NONE

FIRE ALARM NOTES:

THE FOLLOWING NOTES DETAIL THE GENERAL INTENT OF THE FIRE ALARM SCOPE OF WORK. THE FIRE ALARM SYSTEM SHALL FULLY COMPLY WITH THE PLANS AND SPECIFICATIONS AND ALL APPLICABLE CODES. THESE NOTES APPLY TO ALL FIRE ALARM SHEETS.

1. THIS PROJECT WILL INSTALL A NEW ADDRESSABLE FIRE ALARM SYSTEM.
2. THIS RISER DIAGRAM DOES NOT ACCURATELY DEPICT THE NUMBER OF DEVICES REQUIRED TO BE INSTALLED. REFER TO THE PLANS FOR THE ACTUAL NUMBER OF DEVICES TO BE INSTALLED DURING THIS RENOVATION.
3. THE CONTRACTOR SHALL FURNISH ALL PARTS, MATERIALS, AND LABOR CUSTOMARILY REQUIRED OR PROVIDED FOR A COMPLETE AND OPERATING TURN-KEY SYSTEM INSTALLATION, IN ACCORDANCE WITH ALL REQUIREMENTS APPLICABLE, EVEN IF EACH NEEDED ITEM IS NOT SPECIFICALLY SHOWN OR DESCRIBED IN THE PROJECT PLANS OR SPECIFICATIONS.
4. THE FIRE ALARM SYSTEM SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE NC BUILDING CODE, NFPA 70 – NATIONAL ELECTRICAL CODE (NEC), NFPA 72 – NATIONAL FIRE ALARM CODE.
5. DUCT DETECTORS SUPPLIED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. WIRING FROM THE FIRE ALARM SYSTEM TO THE INSTALLED DUCT DETECTOR BY THE ELECTRICAL CONTRACTOR. DUCT DETECTORS TO BE SUPPLIED WITH SAMPLING TUBE, AHU SHUTDOWN RELAY AND REMOTE LED TEST STATION WITH KEYED SWITCH. SAMPLING TUBE TO EXTEND THE FULL WIDTH OF THE DUCT AND BE PROVIDED WITH SUPPORTS IF OVER 4' LONG. COORDINATE EXACT LOCATION OF DUCT DETECTOR WITH EQUIPMENT PRIOR TO INSTALLATION. ACCESS PANELS SHALL BE PROVIDED AT ALL DUCT DETECTORS IN A LOCATION THAT ALLOWS INSPECTION OF SAMPLING TUBES. CONTRACTOR SHALL ENGAGE A LICENSED MECHANICAL CONTRACTOR AS REQUIRED TO SUPPORT DUCT DETECTOR INSTALLATION AND SHUTDOWN CONTROL CIRCUIT CONNECTIONS.
6. ALL WIRING SHALL TERMINATE AT DEVICE TERMINAL BLOCKS (NO SPLICES IN THE SYSTEM OTHER THAN TERMINAL BLOCKS). "WIRE NUTS" AND CRIMP SPLICES WILL NOT BE PERMITTED. PERMANENT WIRE MARKERS SHALL BE USED TO IDENTIFY ALL CONNECTIONS AND WIRE TERMINATIONS AT THE FACP AND OTHER CONTROL EQUIPMENT, NAC BOOSTER PANELS AND ANY APPLICABLE TERMINAL CABINETS.
7. MAINTAIN A MINIMUM OF 3' DISTANCE FROM ALL HVAC SUPPLY AND RETURN GRILLES WHEN INSTALLING SMOKE DETECTORS (SEE DETAIL 4/E503 – THIS SHEET). FIELD COORDINATE ALL LOCATIONS WITH ACTUAL EXISTING CONDITIONS.
8. FIRE ALARM WIRING SHALL BE PLENUM RATED AND RUN AS OPEN CABLE ABOVE LAY-IN CEILINGS. WIRING NOT ABOVE ACCESSIBLE CEILINGS, AND WIRING FROM FIRE ALARM DEVICES TO ABOVE CEILING SHALL BE RUN IN CONDUIT. CONDUIT CONCEALED IN WALLS SHALL BE STUBBED OUT 6" ABOVE FINISHED ACCESSIBLE CEILING. OPEN CABLE SHALL BE NEATLY ROUTED PARALLEL AND PERPENDICULAR TO STRUCTURE, AND SHALL SUPPORTED BY J-HOOKS EVERY 5'.
9. CONDUITS CARRYING CLASS 'A' WIRING SHALL MAINTAIN A MINIMUM OF 4" SEPARATION BETWEEN OUTGOING AND RETURN LOOPS.
10. ALL NOTIFICATION DEVICES WITH A STROBE COMPONENT MUST BE SYNCHRONIZED THROUGHOUT THE BUILDING.
14. SURGE PROTECTION AGAINST VOLTAGE TRANSIENTS AND SURGES MUST BE PROVIDED BY THE FIRE ALARM EQUIPMENT SUPPLIER AND INSTALLED BY THE ELECTRICAL CONTRACTOR. SURGE PROTECTION MUST BE PROVIDED ON ALL AC POWER CIRCUITS INTERFACING WITH FIRE ALARM EQUIPMENT AND ON DC CIRCUITS ADJACENT TO THE FACP AND NEAR POINT OF ENTRY TO THE BUILDING. SURGE PROTECTION TO BE PROVIDED FOR ALL FIRE ALARM PANELS RECEIVING 120V POWER. WIND SMALL COIL IN THE BRANCH CIRCUIT CONDUCTOR JUST DOWNSTREAM OF THE SUPPRESSOR CONNECTION. COIL TO BE 5 TO 10 TURNS, ABOUT 1" DIAMETER, AND SECURELY TIE-WRAPPED.
15. THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A COMPLETE SET OF SUBMITTALS AND SHOP DRAWINGS FOR THE ENGINEER'S APPROVAL PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE SPECIFICATION SHEETS, ALL EQUIPMENT AND DEVICES, MATERIAL LIST, DEVICE IDENTIFICATION NUMBERS AND LOCATIONS, AND CONNECTING WIRING OF ENTIRE FIRE ALARM SYSTEM. SYSTEM INTERCONNECTION DRAWINGS WITH WIRING DIAGRAMS TO INTERFACE WITH HVAC SYSTEMS TO BE INCLUDED AS APPLICABLE. INCLUDE WIRING AND RISER DIAGRAMS AND SYSTEM RESPONSE MATRIX SHOWING SYSTEM INPUTS AND OUTPUTS. WIRING DIAGRAMS SHALL BE BASED ON THE PROJECT FLOOR PLANS WITH DEVICES AND PROPOSED CONDUIT ROUTING. PROVIDE VOLTAGE DROP AND BATTERY CALCULATIONS WITH THE REQUIRED STANDBY AND ALARM LOAD. PROVIDE DB LEVELS AND WATTAGE OF ALL SPEAKERS, ALONG WITH BATTERY AND VOLTAGE DROP CALCULATIONS FOR ALL CIRCUITS. SPEAKER WATTAGES SHALL BE AS REQUIRED TO PROVIDE INTELLIGIBLE MESSAGING IN ALL SPACES.
16. PROVIDE A REMOTE INDICATOR/TEST SWITCH FOR ALL DUCT DETECTORS.
17. FIRE ALARM CONTRACTOR TO DETERMINE REQUIRED NUMBER OF NAC POWER SUPPLIES AS WELL AS CORRECT BATTERY SIZES FOR BACKUP POWER.
19. THE FIRE ALARM REMOTE ANNUNCIATOR SHALL BE LOCATED AT THE FIRE DEPARTMENT ENTRANCE. THE LOCATION SHOWN ON THE DRAWING SHALL BE FIELD VERIFIED WITH THE FIRE MARSHAL PRIOR TO ROUGH-IN.
20. AT THE END OF THE PROJECT THE ENTIRE FIRE ALARM SYSTEM SHALL BE COMPLETELY TESTED IN THE PRESENCE OF THE LOCAL AHJ. PROVIDE 7 DAYS ADVANCE NOTICE OF THESE TESTS.
23. CONTRACTOR TO FIELD VERIFY ALL ROOM NUMBERS BASED ON ACTUAL ROOM SIGNAGE AT DOORS. USE THESE ROOM NUMBERS AND DESCRIPTIONS FOR ZONE MAPS, SHOP DRAWINGS AND FACP PROGRAMMING.

FIRE ALARM SYSTEM INPUTS

		ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE AUDIBLE COMMON TROUBLE SIGNAL	ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR	ACTUATE GENERAL EVACUATION ALARM INDICATOR	ACTUATE UNIQUE CO DETECTION SUPERVISORY SIGNAL	ACTUATE AUDIBLE NOTIFICATION DEVICES - ENTIRE BUILDING	ACTUATE STROBE NOTIFICATION DEVICES - ENTIRE BUILDING	DISPLAY CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISORY STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	SHUT DOWN THE HVAC UNITS	ALLOW THE HVAC UNITS TO RUN					REMOTE ANNUNCIATORS TO MIMIC MAIN PANEL DISPLAY					
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AA	BB	CC	DD	EE	
1	BUILDING MANUAL PULL STATIONS	•	•					•	•		•	•	•	•								•					1
2	AREA SMOKE / HEAT DETECTORS	•	•					•	•		•	•	•	•								•					2
3	DUCT SMOKE DETECTORS WITH RELAY - HVAC UNITS			•	•			•		•			•		•		•					•					3
4	OPEN CIRCUIT					•	•						•			•						•					4
5	GROUND FAULT					•	•						•			•						•					5
6	NOTIFICATION APPLIANCE CIRCUIT SHORT					•	•						•			•						•					6
7	FIRE ALARM SYSTEM DISABLED					•	•						•			•						•					7
8	FIRE ALARM SYSTEM AC POWER FAILURE					•	•						•			•						•					8
9	FIRE ALARM SYSTEM LOW BATTERY					•	•						•			•						•					9
10	HVAC BYPASS SWITCH OVERRIDE DURING FIRE ALARM REPAIRS			•	•								•			•		•				•					10
15																												15
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	AA	BB	CC	DD	EE	

FIRE ALARM SYSTEM OUTPUTS

CONTROL UNIT ANNUNCIATION | NOTIFICATION | FIRE SAFETY CONTROL | SUPPLEMENTARY

4 / E503 **Fire Alarm Matrix**
SCALE: Not To Scale

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PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation
715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North | Not to Scale

REVISIONS

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2231.01	JLH	JDH	2025.12.19

SHEET NAME:

Fire Alarm Notes, Riser, Details, and Matrix

E503

NEW PANEL 'MDP'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	12690						225	27389	225						14799	2	
	3	17910	PNL A1		SEE RISER			3P	31292	3P		SEE RISER			PNL B1	13382	4	
	5	15930						-	25317	-						9387	6	
2	7	3108						100	11508	110	4	-	8	1-1/4"		8400	8	
	9	1382	PNL E1 (VIA ATS-2)		SEE RISER			3P	9782	3P	4	-	-	-	CU-1	8400	10	
	11	1746						-	10146	-	4	-	-	-		8400	12	
	13	16200		2"	6	-	1/0	150	20160	50	8	-	10	3/4"		3960	14	
	15	16200	DOAS-1	-	-	-	1/0	3P	20160	3P	8	-	-	-	CU-2	3960	16	
	17	16200		-	-	-	1/0	-	20160	60	8	8	10	3/4"		3960	18	
	19		SPARE					20	5000	60	8	8	10	3/4"		5000	20	
	21		SPARE					20	5000	3P	8	-	-	-	WH-1	5000	22	
	23		SPARE					20	5000	-	8	-	-	-		5000	24	
	25		SPACE						0						SPACE		26	
	27		SPACE						0						SPACE		28	
	29		SPACE						0						SPACE		30	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
600 BUSS AMPS N/A MLO
600 FEEDER AMPS
600 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
14K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1 PROVIDE LSI BREAKER	533.81	PHASE A:	64.06
2 LSI BREAKER WITH ADJUSTABLE LONG AND SHORT TIME DELAY SETTINGS.	551.95	PHASE B:	66.23
3	505.19	PHASE C:	60.62
4	530.32	TOTAL CONNECTED	190.91
5	489.12	TOTAL DEMAND *	176.08

NEW PANEL 'MDP-G'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	400	MUA-2	3/4"	12	12	12	30	2400	60	8	8	10	3/4"		2000	2	
	3	400		-	-	-	12	2P	2400	3P	8	-	-	-	HC-1	2000	4	
	5	100	MUA-1	3/4"	12	12	12	20	2100	2	8	-	-	-		2000	6	
	7		SPARE					20	5000	50	8	8	10	3/4"	240V REC	5000	8	
	9		SPARE					20	5000	2P	8	-	-	-		5000	10	
	11	3000	CU-5	3/4"	10	-	10	30	6500	30	10	10	10	3/4"	240V REC	2500	12	
	13	3000		-	-	-	10	2P	6500	30	10	-	-	3/4"		2500	14	
	15	500	DOOR OPERATOR	3/4"	12	12	12	30	5500	50	8	8	10	3/4"	240V REC	5000	16	
	17	500		-	-	-	12	2P	5500	2P	8	-	-	-		5000	18	
	19	500	DOOR OPERATOR	3/4"	12	12	12	30	1000	2P	12	12	12	3/4"	DOOR OPERATOR	500	20	
	21	500		-	-	-	12	2P	1000	2P	12	-	-	-		500	22	
	23	500	DOOR OPERATOR	3/4"	12	12	12	30	1000	30	12	12	12	3/4"	DOOR OPERATOR	500	24	
	25	500		-	-	-	12	2P	1000	30	12	-	-	-		500	26	
	27	500	DOOR OPERATOR	3/4"	12	12	12	30	1000	30	12	12	12	3/4"	DOOR OPERATOR	500	28	
	29	500		-	-	-	12	2P	1000	2P	12	-	-	-		500	30	
	31	720	WELD SHOP REC.	3/4"	12	12	12	20	1220	30	12	12	12	3/4"	DOOR OPERATOR	500	32	
	33	720	WELD SHOP REC.	3/4"	12	12	12	20	1220	2P	12	-	-	-		500	34	
	35	180	WELD SHOP EXT. REC.	3/4"	12	12	12	20	360	20	12	12	12	3/4"	POLE BARN EXTERIOR REC.	180	36	
	37	180	PANEL SERVICE REC.	3/4"	12	12	12	20	180	20					SPARE		38	
	39	720	VEHICLE STORAGE REC.	3/4"	12	12	12	20	720	20					SPARE		40	
	41	720	VEHICLE STORAGE REC.	3/4"	12	12	12	20	720	20					SPARE		42	
	43	360	TELECOM CABINET REC	3/4"	12	12	12	20	360	20					SPARE		44	
	45	200	ACCESS CNT PANEL	3/4"	12	12	12	20	200	20					SPARE		46	
	47	500	VEHICLE GATE OPERATOR	3/4"	10	10	10	20	500	20					SPARE		48	
	49	500		-	-	-	10	2P	500	20					SPARE		50	
	51		VEHICLE GATE OPERATOR	3/4"	10	10	10	20	0	20					SPARE		52	
	53		SPACE						0	20					SPARE		54	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
300 BUSS AMPS N/A MLO
300 FEEDER AMPS
300 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
14K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1 PANEL LOCATED IN WELD SHOP	143.80	PHASE A:	17.16
2 PANEL TO BE SQUARE D TYPE NQOD	142.60	PHASE B:	17.04
3	139.00	PHASE C:	16.68
4	141.33	TOTAL CONNECTED	50.88
5	115.75	TOTAL DEMAND *	41.67

NEW PANEL 'E2'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	858	SHOP / EXT STORAGE LTS	3/4"	12	12	12	20	858	20					SPARE		2	
	3	132	EXTERIOR LIGHTS	3/4"	12	12	12	20	132	20					SPARE		4	
	5	996	VEHICLE STOR. LIGHTS	3/4"	12	12	12	20	996	20					SPARE		6	
	7		SPARE					20	0	20					SPARE		8	
	9		SPARE					20	0	20					SPARE		10	
	11		SPARE					20	0	20					SPARE		12	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
50 BUSS AMPS N/A MLO
50 FEEDER AMPS
50 MCB AMPS X MCB NOTE 1

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
10K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1 LSI BREAKER WITH ADJUSTABLE LONG AND SHORT TIME DELAY SETTINGS.	7.15	PHASE A:	0.86
2	1.10	PHASE B:	0.13
3	8.30	PHASE C:	1.00
4	5.52	TOTAL CONNECTED	1.99
5	6.90	TOTAL DEMAND *	2.48

NEC SERVICE CALCULATION - VEHICLE STORAGAE BUILDING

LOAD DESCRIPTION	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	GENERATOR DEMAND (KVA)
LIGHTING 1.5 VA/SF	8.68	1.25	10.85	5.79
RECEPTACLES	28.00			
FIRST 10KVA	10.00	1.00	10.00	5.00
REMAINDER	18.00	0.50	9.00	9.00
HVAC (VENTILATION / ELECTRIC HEAT)	13.00	1.00	13.00	10.40
WATER HEATER		1.00	0.00	0.00
MISCELLANEOUS	20.00	0.50	10.00	10.00
WELDERS	20.00	0.50	10.00	10.00
TOTAL SERVICE LOAD (KVA)		**85.17 KVA**		**50.19**
TOTAL SERVICE LOAD (AMPS)		**237 AMPS**		**139.41**
SERVICE EQUIPMENT **208 / 120**		**300 AMPS**		

NEC SERVICE CALCULATION - ADMINSTRATIVE BUILDING

LOAD DESCRIPTION	ACTUAL KVA	DEMAND FACTOR	DEMAND KVA	GENERATOR DEMAND (KVA)
LIGHTING 1.5 VA/SF	13.50	1.25	16.88	13.00
RECEPTACLES	38.10			
FIRST 10KVA	10.00	1.00	10.00	10.00
REMAINDER	28.10	0.50	14.05	14.05
HVAC	103.95	1.00	103.95	83.16
WATER HEATER	15.00	1.00	15.00	15.00
RANGE	8.00	1.00	8.00	8.00
DRYER	4.50	1.00	4.50	4.50
MISCELLANEOUS	10.00	1.00	10.00	2.50
TOTAL SERVICE LOAD (KVA)		**204.70 KVA**		**150.21**
TOTAL SERVICE LOAD (AMPS)		**569 AMPS**		**417.25**
SERVICE EQUIPMENT **208 / 120**		**600 AMPS**		

NEW PANEL 'B2'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	440	AHU-1-1	3/4"	12	12	12	15	895	15	12	12	12	3/4"	AHU-1-4	455	2	
	3	440		-	-	-	12	2P	895	2P	12	-	-	-		455	4	
	5	300	AHU-1-2	3/4"	12	12	12	15	620	15	12	12	12	3/4"	AHU-1-5	220	6	
	7	300		-	-	-	12	2P	620	2P	12	-	-	-		220	8	
	9	300	AHU-1-3	3/4"	12	12	12	15	765	15	12	12	12	3/4"	AHU-1-6	455	10	
	11	300		-	-	-	12	2P	765	2P	12	-	-	-		455	12	
	13	640	GR REC. MECH RM	3/4"	12	12	12	20	840	15	12	12	12	3/4"	AHU-1-7	300	14	
	15	1080	REC. SERVER IT RM	3/4"	12	12	12	20	1380	2P	12	-	-	-		300	16	
	17	1080	REC. SERVER IT RM	3/4"	12	12	12	20	1620	20	12	12	12	3/4"	REC. BREAK RM TV	540	18	
	19	360	AOGR REC. MENS TOILET	3/4"	12	12	12	20	1800	20	12	12	12	3/4"	REC. CONFERENCE RM	1440	20	
	21	1080	GR REC. LOCKER RM	3/4"	12	12	12	20	1260	1080	20	12	12	12	3/4"	GRWP REC. EXTERIOR	180	22	
	23	540	AOGR REC. KITCHEN	3/4"	12	12	12	20	1080	20	12	12	12	3/4"	REC. LOBB	540	24	
	25	360	AOGR REC. KITCHEN	3/4"	12	12	12	20	1440	20	12	12	12	3/4"	REC. OFFICE 1 & 2	1080	26	
	27	760	LTS. OFFICE 1-4, CONFERENCE	3/4"	12	12	12	20	2190	20	12	12	12	3/4"	REC. OFFICE 3 & 4	1440	28	
	29	550	LTS. LAUNDRY, LOCKER, I.T.	3/4"	12	12	12	20	1450	20	12	12	12	3/4"	REC. CORRIDOR	900	30	
	31	360	MOF RACK REC 107A	3/4"	12	12	12	20	360	20					SPARE		32	
	33	360	MOF RACK REC 107A	-	-	12	12	20	360	20					SPARE		34	
	35	360	MOF RACK REC 107A	-	-	12	12	20	360	20					SPARE		36	
	37	500	ACCESS CNTRL PNL 107A	3/4"	12	12	12	20	500	20					SPARE		38	
	39		SPARE					20	0	20					SPARE		40	
	41		SPARE					20	0						SPARE		42	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
100 BUSS AMPS N/A MLO
100 FEEDER AMPS
100 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
14K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1	52.96	PHASE A:	6.36
2	57.66	PHASE B:	6.84
3	48.21	PHASE C:	5.79
4	52.72	TOTAL CONNECTED	18.98
5	50.51	TOTAL DEMAND *	18.19

NEW PANEL 'B1'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	6355						100	8875	25	12	12	12	3/4"	CU-4	2520	2	
	3	6540	PNL 'B2'		SEE RISER			3P	9360	3P	12	-	-	-		2520	4	
	5	5785						-	6131	15	12	12	12	3/4"	AHU-0-4	346	6	
	7	266	AHU-0-1	3/4"	12	12	12	15	602	2P	12	-	-	-		346	8	
	9	266		-	-	-	12	2P	466	15	12	12	12	3/4"	AHU-0-5	210	10	
	11	266	AHU-0-2	3/4"	12	12	12	15	466	2P	12	-	-	-		210	12	
	13	266		-	-	-	12	2P	602	15	12	12	12	3/4"	AHU-0-6	346	14	
	15	210	AHU-0-3	3/4"	12	12	12	15	556	2P	12	-	-	-		346	16	
	17	210		-	-	-	12	2P	570	20	12	12	12	3/4"	STORAGE 01 REC	360	18	
	19	900	EXTERIOR GRWP REC	3/4"	12	12	12	20	1260	20	12	12	12	3/4"	STORAGE 03 REC	360	20	
	21	720	PARTS STORAGE 02 REC	3/4"	12	12	12	20	1260	20	12	12	12	3/4"	RINSE BASIN & STORAGE REC	540	22	
	23	640	PARTS STORAGE 02 REC	3/4"	12	12	12	20	1240	20	12	12	12	3/4"	COVERED STORAGE LTS	700	24	
	25	360	TOILET 03 GR REC	3/4"	12	12	12	20	1160	20	12	12	12	3/4"	STORAGE AREA LTS	800	26	
	27	180	TOOL STORAGE REC	3/4"	12	12	12	20	640	20	12	12	12	3/4"	TOOL STORAGE RECS	360	28	
	29	180	GENERATOR REC	1"	10	10	10	20	980	20	10	10	10	1"	FUEL TANK	800	30	2
	31	1600	GENERATOR HEAT	-	-	10	10	20	2300	20	10	-	-	-		800	32	
	33	1200	GENERATOR BATTERY	-	-	10	10	20	1200	-					ST		34	
	35		SPARE					20	0	20	12	12	12	3/4"	SHUNT TRIP CNT CIRCUIT		36	
	37		SPARE					20	0	20					SPARE		38	
	39		SPARE					20	0	20					SPARE		40	
	41		SPARE					20	0	20					SPARE		42	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
225 BUSS AMPS N/A MLO
225 FEEDER AMPS
225 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1 CONTRACTOR TO CONFIRM WHETHER EXISTING PUMP IS WIRED FOR 120 OR 208V.	123.33	PHASE A:	14.80
2 PROVIDE SHUNT TRIP BREAKER WITH 120V COIL ROUTE 120V CONTROL CIRCUIT THROUGH EXTERIOR EPO.	111.52	PHASE B:	13.38
3	78.23	PHASE C:	9.39
4	104.38	TOTAL CONNECTED	37.57
5	103.19	TOTAL DEMAND *	37.15

NEW PANEL 'E1'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
2	1	868						50	1608	20	12	12	12	3/4"	ADMIN CORR. E LTS	760	2	
	3	132	PNL 'E2'		SEE RISER			3P	882	20	12	12	12	3/4"	LOWER LVL STOR. E LTS	760	4	
	5	996						-	1746	20	12	12	12	3/4"	MAIN LVL CORR. E LTS	760	6	
	7	760	MAIN LVL 112/116 E LTS	3/4"	12	12	12	20	1500	20	12	12	12	3/4"	EXTR. LTNG CONTACTOR	760	8	
1	9	600	FACP	3/4"	12	12	12	20	500						SPACE		10	
	11		SPARE					20	0						SPACE		12	
	13		SPARE					20	0						SPACE		14	
	15		SPARE					20	0						SPACE		16	
	17		SPARE					20	0						SPACE		18	
	19		SPARE					20	0						SPACE		20	
	21		SPARE					20	0						SPACE		22	
	23		SPARE					20	0						SPACE		24	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
100 BUSS AMPS X MLO
100 FEEDER AMPS
100 MCB AMPS X MCB NOTE 2

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
10K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1 PROVIDE HANDLE LOCK	25.90	PHASE A:	3.11
2 LSI BREAKER WITH ADJUSTABLE LONG AND SHORT TIME DELAY SETTINGS.	11.52	PHASE B:	1.38
3	14.55	PHASE C:	1.75
4	17.32	TOTAL CONNECTED	6.24
5	21.31	TOTAL DEMAND *	7.67

NEW PANEL 'A2'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	360	REFRIDGERATOR	3/4"	12	12	12	20	960	20	12	12	12	3/4"	WASHER	600	2	
	3	360	REFRIDGERATOR	3/4"	12	12	12	20	3110	20	12	12	12	3/4"	DRYER	2760	4	
	5	180	REC. KITCHEN	3/4"	12	12	12	20	2930	2P	12	-	-	-		2760	6	
	7	360	REC. BREAK AREA	3/4"	12	12	12	20	720	20	12	12	12	3/4"	DRINKING FOUNTAINS	360	8	
	9	360	REC. WORK AREA	3/4"	12	12	12	20	4360	50	8	8	10	3/4"	RANGE KITCHEN	4000	10	
	11	360	REC. WORK AREA	3/4"	12	12	12	20	4360	2P	8	-	-	-		4000	12	
	13	540	REC. WORK AREA	3/4"	12	12	12	20	1260	20	12	12	12	3/4"	REC. FIELD SUPV. OFF, TV	720	14	
	15	540	REC. WORK AREA	3/4"	12	12	12	20	1620	20	12	12	12	3/4"	REC. FLOOR BOX	1080	16	
	17	540	REC. WORK AREA	3/4"	12	12	12	20	1620	20	12	12	12	3/4"	REC. FLOOR BOX	1080	18	
	19	1200	LTS. WORK AREA	3/4"	12	12	12	20	2280	20	12	12	12	3/4"	REC. FLOOR BOX	1080	20	
	21	550	LTS. MAIN CORRIDOR	3/4"	12	12	12	20	1630	20	12	12	12	3/4"	REC. FLOOR BOX	1080	22	
	23	540	LTS. TOILET, KITCHEN, BREAK	3/4"	12	12	12	20	1380	20	12	12	12	3/4"	GFI REC. TOILET, STORAGE	540	24	
	25		SPARE					20	0	20					SPARE		26	
	27		SPARE					20	0	20					SPARE		28	
	29		SPARE					20	0	20					SPARE		30	
	31		SPARE					20	0	20					SPARE		32	
	33		SPARE					20	0	20					SPARE		34	
	35		SPARE					20	0	20					SPARE		36	
	37		SPARE					20	0	20					SPARE		38	
	39		SPARE					20	0	20					SPARE		40	
	41		SPARE					20	0	20					SPARE		42	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
100 BUSS AMPS N/A MLO
100 FEEDER AMPS
100 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
14K AIC MINIMUM

NOTES:	AMPS	PHASE TOTALS:	KVA
1	43.50	PHASE A:	5.22
2	89.33	PHASE B:	10.72
3	85.73	PHASE C:	10.29
4	72.88	TOTAL CONNECTED	26.23
5	74.66	TOTAL DEMAND *	26.88

NEW PANEL 'A1'

NOTES	CKT	LOAD	DESCRIPTION	COND	EGC	N	W	CB	LOAD	CB	W	N	EGC	COND	DESCRIPTION	LOAD	CKT	NOTES
	1	6220						100	6400	20	12	12	12	3/4"	PLOTTER	180	2	
	3	10720	PNL 'A2'		SEE RISER			3P	10900	20	12	12	12	3/4"	COPY RM REC	180	4	
	5	10290						-	10470	20	12	12	12	3/4"	PRINTER	180	6	
	7	2620	CU-3	3/4"	10	-	10	25	3060	20	12	12	12	3/4"	COPY RM REC	640	8	
	9	2620		-	-	-	10	2P	3240	20	12	12	12	3/4"	IDF RM 015 REC	720	10	
	11	900	OFFICE 6 REC	3/4"	12	12	12	20	1620	20	12	12	12	3/4"	IDF RM 015 REC	720	12	
	13	180	ADMIN MECH REC	3/4"	12	12	12	20	640	20	12	12	12	3/4"	EXTERIOR GRWP REC	360	14	
	15	360	ADMIN RESTROOMS GFI REC	3/4"	12	12	12	20	1800	20	12	12	12	3/4"	CONFERENCE RM REC	1440	16	
	17	720	OFFICE 5 REC	3/4"	12	12	12	20	2160	20	12	12	12	3/4"	ADMIN LOBBY, CORR. REC	1440	18	
	19	640	BREAK ROOM AOGR REC	3/4"	12	12	12	20	1800	20	12	12	12	3/4"	OFFICE 1 & 2 REC	1260	20	
	21	360	BREAK ROOM REC	3/4"	12	12	12	20	1220	20	12	12	12	3/4"	LTS. OFF 1-4, LOBBY, CORRIDOR	540	22	
	23	180	BREAK ROOM FRIDGE	3/4"	12	12	12	20	1180	20	12	12	12	3/4"	LTS. COPY, BREAK, CONF. RM	1500	24	
	25	1440	OFFICE 3 & 4 REC	3/4"	12	12	12	20	1790	20	12	12	12	3/4"	ADMIN MECH. CIRC. PUMP	350	26	
	27	250	LTS OFF 5-6, MECH, TOILETS	3/4"	12	12	12	20	750	20	12	12	12	3/4"	RACK REC OF RM 015	600	28	
	29	900	GENERATOR REC					20	600	20	12	12			RACK REC OF RM 015	600	30	
	31		SPARE					20	0	20					SPARE		32	
	33		SPARE					20	0	20					SPARE		34	
	35		SPARE					20	0	20					SPARE		36	
	37		SPARE					20	0	20					SPARE		38	
	39		SPARE					20	0	20					SPARE		40	
	41		SPARE					20	0	20					SPARE		42	
			FEED THROUGH DEVICE															

208Y / 120 VOLTS 3 PHASE
225 BUSS AMPS N/A MLO
225 FEEDER AMPS
225 MCB AMPS X MCB

4 WIRE
X GROUND BAR
SE RATED

SURFACE MOUNT
NEMA 1
14K AIC MINIMUM

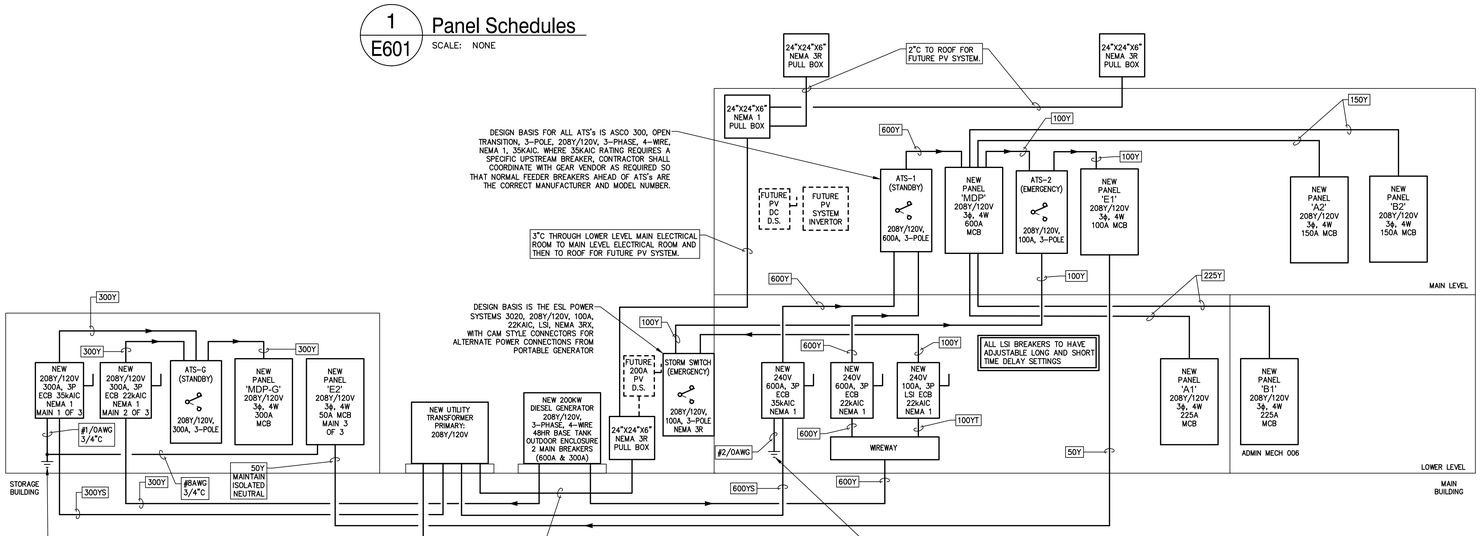
NOTES:	AMPS	PHASE TOTALS:	KVA
1	104.92	PHASE A:	12.59
2	149.25	PHASE B:	17.91
3	132.75	PHASE C:	15.93
4	139.07	TOTAL CONNECTED	46.43
5	128.74	TOTAL DEMAND *	46.35

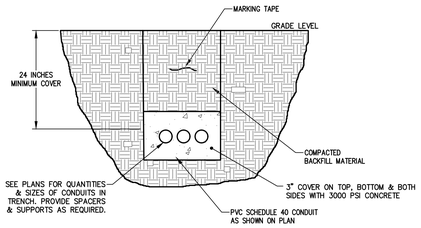
CONDUIT AND CABLE SCHEDULE

CIRCUIT DESIGNATION	SETS	WIRE SIZE	CONDUIT SIZE EMT	CONDUIT SIZE RGS	CONDUIT SIZE RNC
50Y	1	(3) #6AWG, (1) #6AWG N., (1) #8AWG EGC	1"	1"	1"
100Y	1	(3) #3AWG, (1) #3AWG N., (1) #6AWG EGC	1-1/4"	1-1/4"	1-1/4"
100YT	1	(3) #3AWG, (1) #3AWG N., (1) #3AWG EGC	1-1/4"	1-1/4"	1-1/4"
150Y	1	(3) #1/0AWG, (1) #1/0AWG N., (1) #6AWG EGC	2"	2"	2"
225Y	1	(3) #4/0AWG, (1) #4/0AWG N., (1) #4AWG EGC	2"	2"	2"
300Y	1	(3) #350KCMIL, (1) #350KCMIL N., (1) #4AWG EGC	3"	3"	3"
300YS	1	(3) #350KCMIL, (1) #350KCMIL N.	3"	3"	3"
600Y	2	(3) #350KCMIL, (1) #350KCMIL N., (1) #1AWG EGC	3"	3"	3"
600YS	2	(3) #350KCMIL, (1) #350KCMIL N.	3"	3"	3"

1 Panel Schedules

E601 SCALE: NONE


24"X24"X6" NEMA 3R PULL BOX
2"C TO ROOF FOR FUTURE PV SYSTEM.
24"X24"X6" NEMA 1 PULL BOX
DESIGN BASIS FOR ALL ATS's IS ASCO 300, OPEN TRANSITION, 3-POLE, 208Y/120V, 3-PHASE, 4-WIRE, NEMA 1, 35kAIC. WHERE 35kAIC RATING REQUIRES A SPECIFIC UPSTREAM BREAKER, CONTRACTOR SHALL COORDINATE WITH GEAR VENDOR AS REQUIRED SO THAT NORMAL FEEDER BREAKERS AHEAD OF ATS's ARE THE CORRECT MANUFACTURER AND MODEL NUMBER.
3"C THROUGH LOWER LEVEL MAIN ELECTRICAL ROO

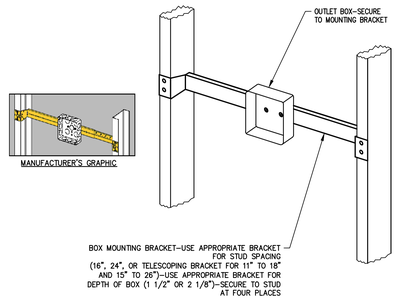


1 E701 **Trench Detail**

SCALE: NONE

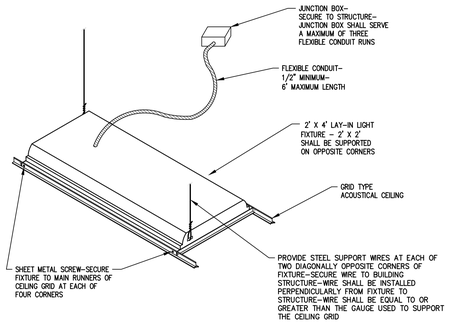
NOTES:

1. PROVIDE A NEW TRENCH FOR CONDUITS AS SHOWN IN PLAN. PROVIDE MINIMUM COVER AS NOTED. SPARE CONDUITS SHALL BE SEALED AND PROVIDED WITH PULL STRINGS. CONDUIT SEALS SHALL HAVE A PULL CORD ATTACHMENT.
2. BACKFILL AND COMPACT THE TRENCH WITH THE REMOVED MATERIAL.
3. PROVIDE 4MM DETECTABLE MARKING TAPE BELOW GRADE LEVEL AS SHOWN. MARKING TAPE SHALL BE MARKED "ELECTRICAL".



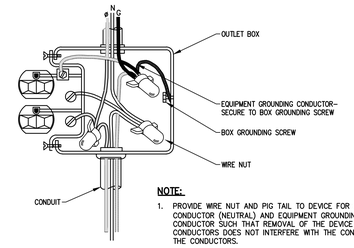
2 E701 **Outlet Box Mounting**

SCALE: NONE



3 E701 **Lay-In Light Fixture Installation**

SCALE: NONE



NOTE:

1. PROVIDE WIRE NUT AND PIG TAIL TO DEVICE FOR GROUNDED CONDUCTOR (NEUTRAL) AND EQUIPMENT GROUNDING CONDUCTOR SUCH THAT REMOVAL OF THE DEVICE OR ITS CONDUCTORS DOES NOT INTERFERE WITH THE CONTINUITY OF THE CONDUCTORS.
2. EQUIPMENT GROUNDING CONDUCTOR SHALL BE CONTINUOUS THROUGH BOX.
3. NO PUSH-IN CONNECTIONS TO DEVICES OR PUSH IN CONNECTORS FOR SPLICES ALLOWED.

4 E701 **Receptacle Wiring Detail**

SCALE: NONE

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PROFESSIONAL SEALS:

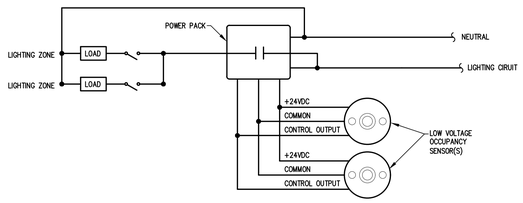


PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson
Addition & Renovation

715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

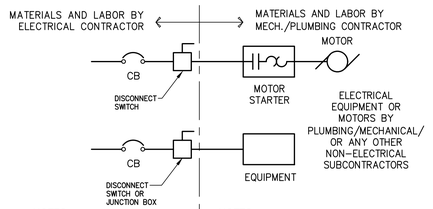


5 E701 **Occupancy Sensor Wiring**

SCALE: NONE LOW VOLTAGE

OCCUPANCY SENSOR SCHEDULE:

(OS) – LOW VOLTAGE CEILING MOUNTED EXTENDED RANGE, DUAL TECHNOLOGY OCCUPANCY SENSOR TO BE INSTALLED IN CORRIDORS AND LARGE COMMON AREAS AS SHOWN ON DRAWINGS. PROVIDE 120V, 20A POWER PACKS FOR EACH AREA. THIS IS A TYPICAL DIAGRAM. SEE ADDITIONAL LIGHTING CONTROL DETAILS ON SHEET E501 FOR MORE INFORMATION.



NOTES:

CONTRACTORS SHALL COORDINATE WITH EACH OTHER TO VERIFY EQUIPMENT NAMEPLATE RATINGS AND LOCATIONS BEFORE INSTALLATION OF CONDUIT, WIRING, CIRCUIT BREAKER, DISCONNECT SWITCH, OR FUSES. WHERE FUSED DISCONNECTS ARE SPECIFIED IN THE ELECTRICAL CONSTRUCTION DOCUMENTS, THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE APPROPRIATELY SIZED FUSES.

NOTES:

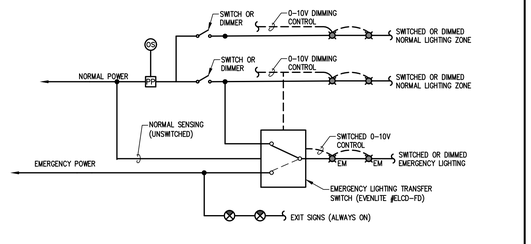
EQUIPMENT PROVIDED BY NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY THE SUBCONTRACTOR PROVIDING THE EQUIPMENT. THIS INSTALLATION SHALL INCLUDE:

1. ALL POWER CONDUIT AND WIRING ON THE LOAD SIDE OF THE DISCONNECT SWITCH.
2. ALL CONTROLS AND CONTROL CONDUIT AND WIRING.

ALL CONDUIT AND WIRING (POWER AND CONTROL) INSTALLED BY THE NON-ELECTRICAL SUBCONTRACTORS SHALL BE INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR PER THE DIVISION 26 SPECIFICATIONS AND SHALL BE INSPECTED BY THE ELECTRICAL INSPECTOR HAVING JURISDICTION.

6 E701 **Division of Work Detail**

SCALE: Not To Scale

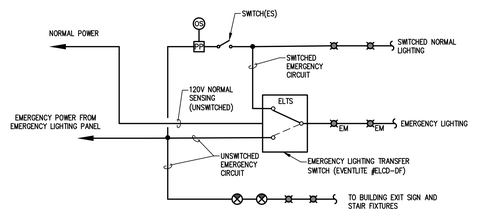


7 E701 **Typical Meeting Room Lighting Control**

SCALE: Not To Scale

NOTES:

1. THIS DETAIL REPRESENTS A TYPICAL INSTALLATION FOR LARGER SPACES WITH MULTIPLE ZONES OF SWITCHING OR DIMMING, OCCUPANCY CONTROL AND EMERGENCY LIGHTING. SEE PLANS FOR EXACT EQUIPMENT SIZES AND LOCATIONS.
2. OCCUPANCY SENSOR (POWER PACK) IS AHEAD OF ALL ZONE CONTROLS.
3. SWITCHED OR DIMMED LEGS FOR EMERGENCY "EM" FIXTURES ARE ROUTED THROUGH AN EMERGENCY LIGHTING TRANSFER SWITCH (ELTS). 0-10V DIMMING CONTROL CIRCUIT TO "EM" FIXTURES IS ALSO ROUTED THROUGH ELTS.
4. UNDER NORMAL CONDITIONS THE "EM" FIXTURES ARE CONTROLLED BY OCCUPANCY SENSORS AND ROOM LIGHTING CONTROLS VIA THE NORMAL LIGHTING CIRCUIT. IN THE EVENT OF LOSS OF POWER FROM NORMAL SOURCE, THE ELTS TRANSFERS TO THE EMERGENCY POWER SOURCE AND DISCONNECTS DIMMING CONTROL CIRCUIT RESULTING IN "EM" FIXTURES TURNING FULL ON.

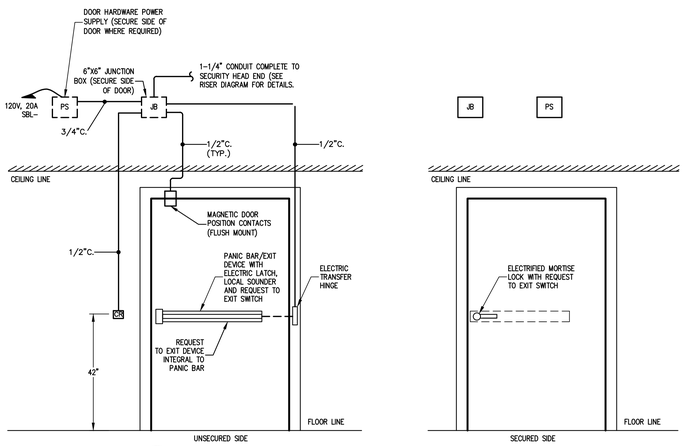


8 E701 **Corridor Lighting Control Schematic**

SCALE: Not To Scale

NOTES:

1. THIS DETAIL REPRESENTS A TYPICAL CORRIDOR INSTALLATION. SEE PLANS FOR EXACT EQUIPMENT SIZES AND LOCATIONS.
2. "EM" FIXTURES ARE CONTROLLED BY OCCUPANCY SENSORS DURING NORMAL OPERATION. AN EMERGENCY LIGHTING TRANSFER SWITCH TO BE INSTALLED TO BYPASS OCCUPANCY SENSORS (POWER PACK) IN THE EVENT OF NORMAL POWER LOSS RESULTING IN ALL "EM" FIXTURES GOING TO FULL ON POWERED FROM EMERGENCY POWER SOURCE.
3. ALL OTHER CORRIDOR FIXTURES ARE SWITCHED AS SHOWN.
4. EXIT AND STAIR FIXTURES WIRED DIRECTLY TO UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
5. EMERGENCY LIGHTING TRANSFER SWITCH SENSING VOLTAGE TO BE FROM UNSWITCHED LEG OF CORRIDOR NORMAL POWER LIGHTING CIRCUIT.

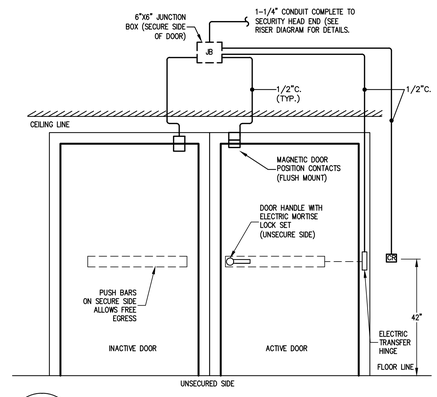


9 E701 **Single Door Security Detail**

SCALE: NONE (WITH TRANSFER HINGE)

GENERAL DOOR SCHEMATIC NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND BOXES. FIELD COORDINATE WITH OWNER'S SECURITY VENDOR, ARCHITECTS DOOR HARDWARE SCHEDULE, DOOR HARDWARE VENDOR AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN AT DOOR.
2. SECURITY EQUIPMENT BY OWNER'S SECURITY VENDOR.
3. LOW VOLTAGE SECURITY CABLING BY OWNER'S SECURITY VENDOR.
4. SEE ARCHITECTURAL DOOR ACCESS CONTROL NOTES AND SCHEDULES FOR ADDITIONAL HARDWARE REQUIREMENTS AT EACH DOOR.

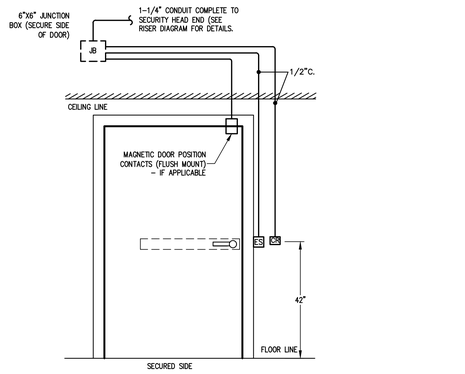


10 E701 **Double Door Security Detail**

SCALE: NONE

GENERAL DOOR SCHEMATIC NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND BOXES. FIELD COORDINATE WITH OWNER'S SECURITY VENDOR, ARCHITECTS DOOR HARDWARE SCHEDULE, DOOR HARDWARE VENDOR AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN AT DOOR.
2. SECURITY EQUIPMENT BY OWNER'S SECURITY VENDOR.
3. LOW VOLTAGE SECURITY CABLING BY OWNER'S SECURITY VENDOR.
4. SEE ARCHITECTURAL DOOR ACCESS CONTROL NOTES AND SCHEDULES FOR ADDITIONAL HARDWARE REQUIREMENTS AT EACH DOOR.

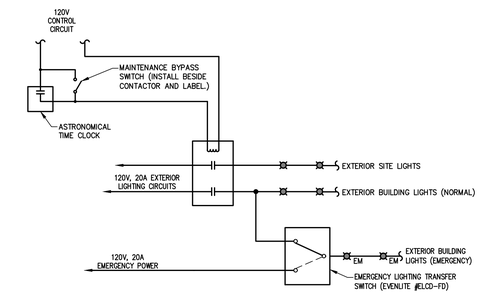


11 E701 **Single Door (With Electric Strike) Security Detail**

SCALE: NONE

GENERAL DOOR SCHEMATIC NOTES:

1. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL RACEWAYS AND BOXES. FIELD COORDINATE WITH OWNER'S SECURITY VENDOR, ARCHITECTS DOOR HARDWARE SCHEDULE, DOOR HARDWARE VENDOR AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN AT DOOR.
2. SECURITY EQUIPMENT BY OWNER'S SECURITY VENDOR.
3. LOW VOLTAGE SECURITY CABLING BY OWNER'S SECURITY VENDOR.
4. SEE ARCHITECTURAL DOOR ACCESS CONTROL NOTES AND SCHEDULES FOR ADDITIONAL HARDWARE REQUIREMENTS AT EACH DOOR.



12 E701 **Exterior Lighting Control Schematic**

SCALE: Not To Scale

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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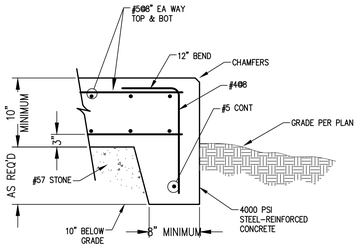
Original drawing is 30"x42" - Do not scale contents.

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2231.01	JLH	JDH	2025.12.19

SHEET NAME:

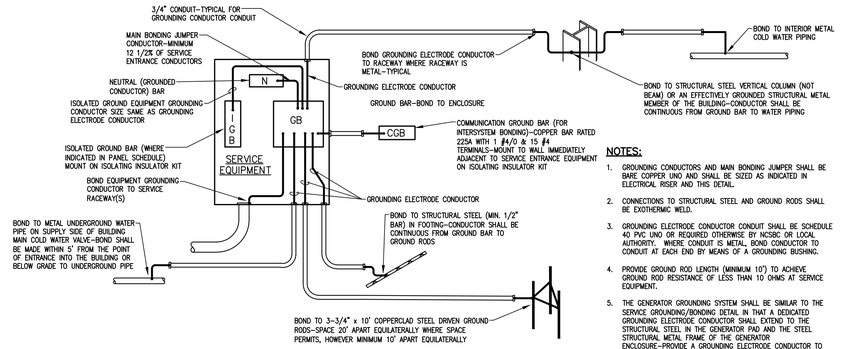
Electrical Details

E701



1 E702 **Generator Pad Detail**

SCALE: NONE

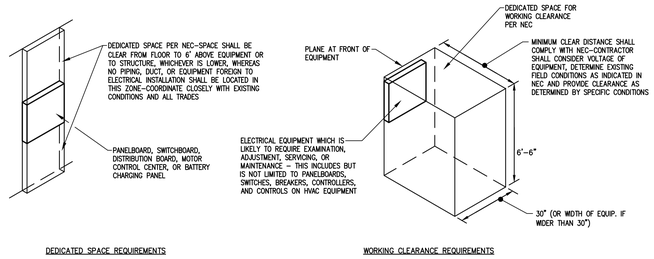


NOTES:

1. GROUNDING CONDUCTORS AND MAIN BONDING JUMPER SHALL BE BARE COPPER UNO AND SHALL BE SIZED AS INDICATED IN ELECTRICAL RISER AND THIS DETAIL.
2. CONNECTIONS TO STRUCTURAL STEEL AND GROUND RODS SHALL BE EXOTHERMIC WELD.
3. GROUNDING ELECTRODE CONDUCTOR CONDUIT SHALL BE SCHEDULE 40 PVC UNO OR REQUIRED OTHERWISE BY NCSBC OR LOCAL AUTHORITY. WHERE CONDUIT IS METAL, BOND CONDUCTOR TO CONDUIT AT EACH END BY MEANS OF A GROUNDING BUSHING.
4. PROVIDE GROUND ROD LENGTH (MINIMUM 10') TO ACHIEVE GROUND ROD RESISTANCE OF LESS THAN 10 OHMS AT SERVICE EQUIPMENT.
5. THE GENERATOR GROUNDING SYSTEM SHALL BE SIMILAR TO THE SERVICE GROUNDING/BONDING DETAIL IN THAT A DEDICATED GROUNDING ELECTRODE CONDUCTOR SHALL EXTEND TO THE STRUCTURAL STEEL IN THE GENERATOR PAD AND THE STEEL STRUCTURAL METAL FRAME OF THE GENERATOR ENCLOSURE-PROVIDE A GROUNDING ELECTRODE CONDUCTOR TO THE SAME THREE GROUND RODS THAT THE BUILDING SERVICE ENTRANCE IS BONDED TO.

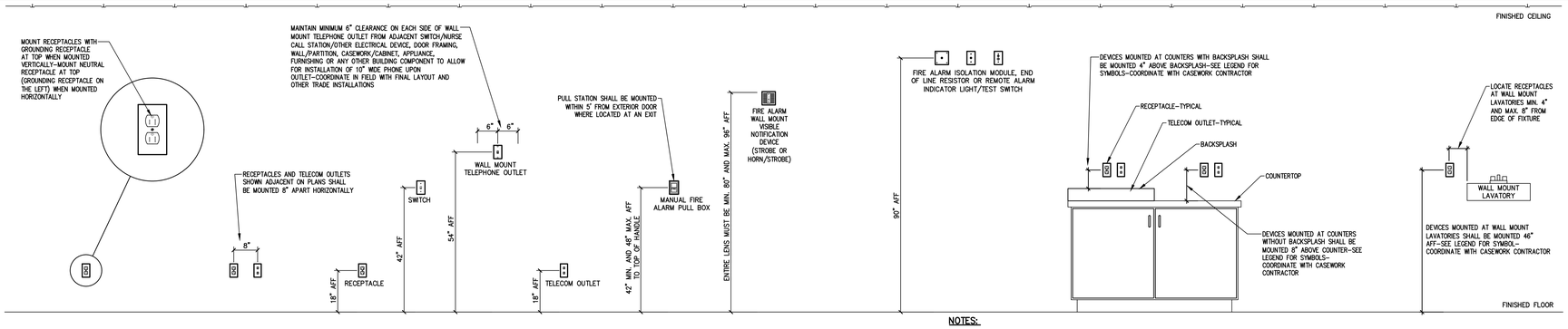
2 E702 **Service Grounding & Bonding Detail**

SCALE: NONE



3 E702 **Electrical Equipment Dedicated Space & Working Clearance**

SCALE: NONE

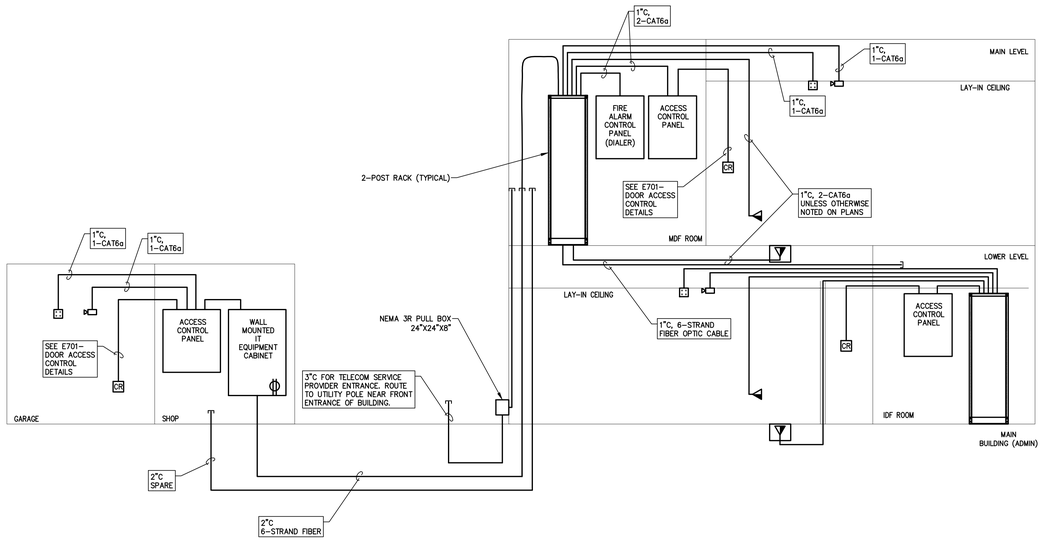


NOTES:

1. MOUNTING HEIGHTS ARE INDICATED TO CENTER OF DEVICE UNLESS NOTED OTHERWISE.

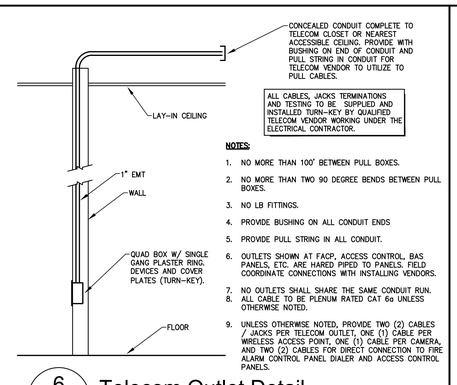
4 E702 **Mounting Heights & Configurations**

SCALE: NONE



5 E702 **Telecom Riser**

SCALE: NONE

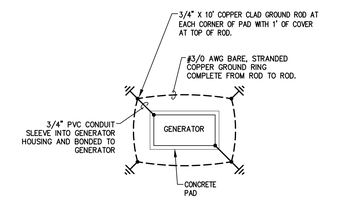


NOTES:

1. NO MORE THAN 100' BETWEEN PULL BOXES.
2. NO MORE THAN TWO 90 DEGREE BENDS BETWEEN PULL BOXES.
3. NO LB FITTINGS.
4. PROVIDE BUSHING ON ALL CONDUIT ENDS
5. PROVIDE PULL STRING IN ALL CONDUIT.
6. OUTLETS SHOWN AT FACP, ACCESS CONTROL, BAS PANELS, ETC. ARE HARED PIPED TO PANELS. FIELD COORDINATE CONNECTIONS WITH INSTALLING VENDORS.
7. NO OUTLETS SHALL SHARE THE SAME CONDUIT RUN.
8. ALL CABLE TO BE PLENUM RATED CAT 6a UNLESS OTHERWISE NOTED.
9. UNLESS OTHERWISE NOTED, PROVIDE TWO (2) CABLES / JACKS PER TELECOM OUTLET, ONE (1) CABLE PER WIRELESS ACCESS POINT, ONE (1) CABLE PER CAMERA, AND TWO (2) CABLES FOR DIRECT CONNECTION TO FIRE ALARM CONTROL PANEL DIALER AND ACCESS CONTROL PANELS.

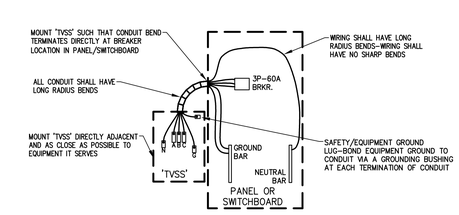
6 E702 **Telecom Outlet Detail**

SCALE: NONE



7 E702 **Generator Grounding Detail**

SCALE: NONE

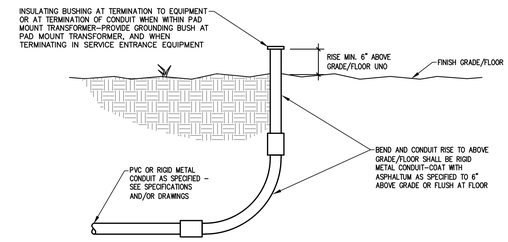


NOTE:

1. WIRING SIZE SHALL BE LARGEST SIZE TERMINABLE UPON "TVSS" LUG AND BREAKER. COORDINATE WITH PARTICULAR "TVSS" MANUFACTURER. MINIMUM WIRE SIZE SHALL BE #2.
2. ROUTE CIRCUITRY AS SHORT AND DIRECT AS POSSIBLE. WIRE LENGTH SHALL NOT EXCEED 18".

8 E702 **'TVSS' Installation Detail**

SCALE: NONE



9 E702 **Underground Conduit Rise To Above Grade/ Floor**

SCALE: NONE

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PROFESSIONAL SEALS:

NORTH CAROLINA PROFESSIONAL SEAL 028869 ENGINEER DENNIS HAYES

PROJECT INFORMATION:

Town of Hillsborough
Adron F. Thompson Addition & Renovation
715 Dimmocks Mill Road, Hillsborough, NC

KEY PLAN:

Plan North — Not to Scale

REVISIONS

No.	Date	Description

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PROJECT#:	DRAWN:	CHECKED:	DATE:
2231.01	JLG	JDH	2025.12.19

SHEET NAME:

Electrical Details

E702