Winchester City Hall Renovations

City of Winchester, TN

7 South High Street
Winchester, TN 37398

63492
January 7, 2026
Construction Documents

Allen&Hoshall
engineers • architects • surveyors

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1 FEBRUARY 2026
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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SHEET INDEX

JOB NO: 63492 DRAWN: RMT
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G0.1

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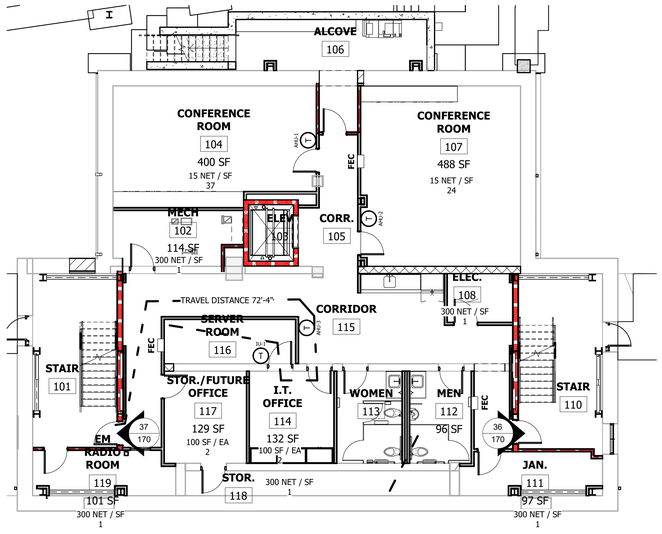
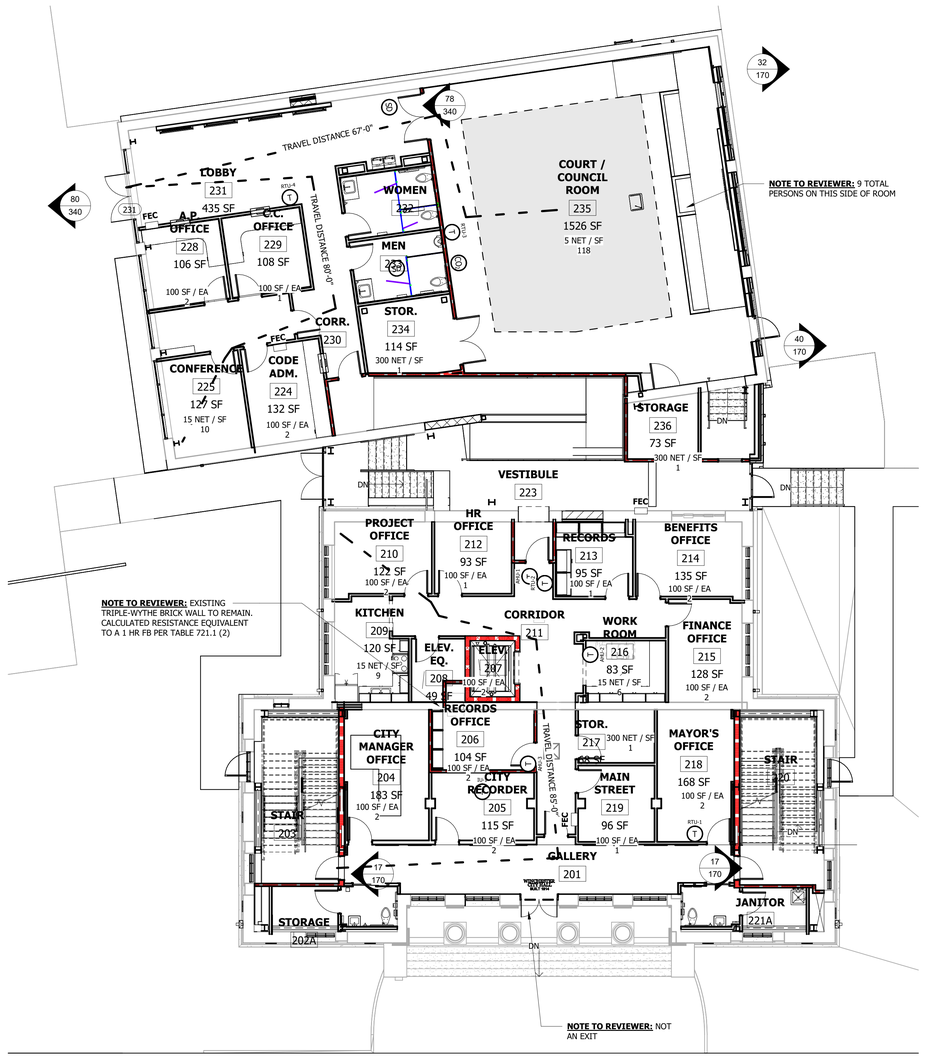


1 **LIFE SAFETY PLAN - BASEMENT LEVEL**
1/8" = 1'-0"



2 **LIFE SAFETY PLAN - GROUND FLOOR LEVEL**
1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITIY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

LIFE SAFETY LEGEND

OCCUPANT LOAD CALCULATION

ROOM NAME
101 — ROOM NUMBER
150 — SQUARE FOOTAGE
15000/300=50 — SQUARE FOOTAGE/SQ. FT. PER PERSON
50 — TOTAL OCCUPANTS PER SPACE

MEANS OF EGRESS SYMBOL

100 / 170 — TOTAL OCCUPANTS EXITING / EXIT CAPACITY
EGRESS PATH
25 — CUMULATIVE OCCUPANT LOAD
TRAVEL DISTANCE
EXIT
FEC — RECESSED FIRE EXTINGUISHER CABINET
FE — FIRE EXTINGUISHER
EXISTING PORTION OF BUILDING

SEE OVERALL LIFE SAFETY PLANS FOR PLUMBING COUNTS

EXISTING WALL RATING EQUIVALENCY
2 HOUR FIRE RATED WALL: (PER TABLE 721.1 (2), 2012 IBC) EXISTING 8" CMU (ITEM # 3-1.2) = 2 HOURS
EXISTING 3-5/8" HOLLOW BRICK (ITEM #1-1.2) = 1 HOUR

1 HOUR FIRE RATED BARRIER: (PER TABLE 721.1 (2), 2012 IBC)
EXISTING 8" CMU (ITEM # 3-1.2) = 2 HOURS
EXISTING 3-5/8" HOLLOW BRICK (ITEM #1-1.2) = 1 HOUR

LIFE SAFETY GENERAL NOTES

1. ALL RATED PARTITIONS SHALL EXTEND TIGHT FROM FLOOR TO DECK, UNDERSIDE OF RATED CONSTRUCTION, OR TO HORIZONTAL RATED CEILING, AND COMPLETELY AROUND AND OVER WINDOWS AND DOOR OPENING, IF REQUIRED.
2. ALL RATED PARTITIONS SHALL HAVE THE APPROPRIATE RATING STENCIL, PAINTED WITH 3" LETTERS IN THE CONCEALED SPACE ABOVE THE CEILING. MAXIMUM SPACING SHALL BE 8'-0" ON BOTH SIDES OF PARTITION, IF REQUIRED.
3. ALL PENETRATIONS THROUGH RATED PARTITIONS SHALL BE INSTALLED IN A MANNER THAT WILL NOT REDUCE THE RATING OF THE PARTITION. SEE MECHANICAL PLANS FOR THE FIRE DAMPER AND PIPE PENETRATION DETAILS, IF REQUIRED.
4. FIRE EXTINGUISHER CABINETS SHALL BE OF APPROPRIATE CONSTRUCTION TO MAINTAIN THE SURROUNDING WALL RATING. COORDINATE LOCATION W/ MECHANICAL, ELECTRICAL, AND OTHER TRADES.

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ROBERT MICHAEL MOSS — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 101446 — 1 FEB 2026

WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

LIFE SAFETY PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

G0.2

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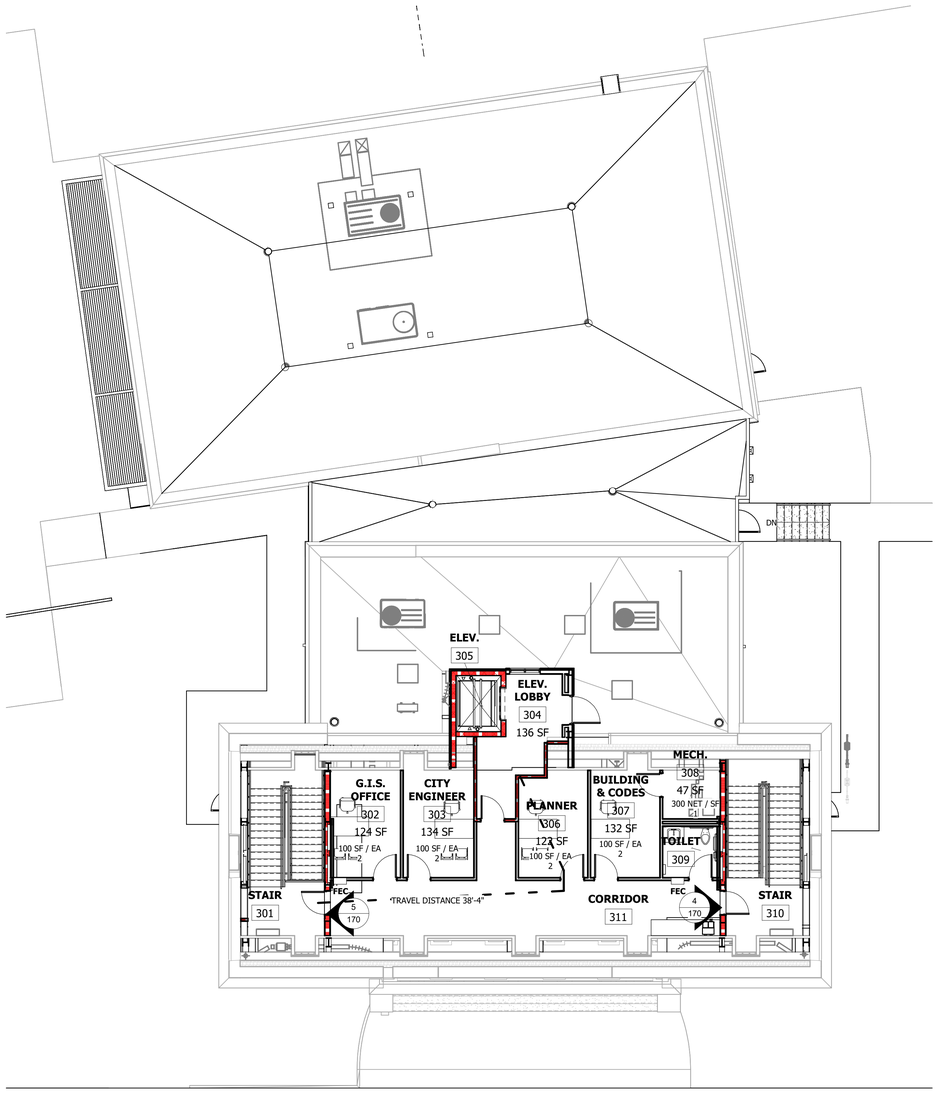

1 LIFE SAFETY PLAN - SECOND FLOOR
1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITIY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

LIFE SAFETY LEGEND

OCCUPANT LOAD CALCULATION

ROOM NAME
101 — ROOM NUMBER
150 — SQUARE FOOTAGE
15000/300=50 — SQUARE FOOTAGE/SQ. FT. PER PERSON
50 — TOTAL OCCUPANTS PER SPACE

MEANS OF EGRESS SYMBOL

100 — TOTAL OCCUPANTS EXITING
170 — EXIT CAPACITY

EGRESS PATH

25 — CUMULATIVE OCCUPANT LOAD

TRAVEL DISTANCE

EXIT

FEC — RECESSED FIRE EXTINGUISHER CABINET

FE — FIRE EXTINGUISHER

EXISTING PORTION OF BUILDING

SEE OVERALL LIFE SAFETY PLANS FOR PLUMBING COUNTS

EXISTING WALL RATING EQUIVALENCY
2 HOUR FIRE RATED WALL: (PER TABLE 721.1 (2), 2012 IBC) EXISTING
8" CMU (ITEM # 3-1.2) = 2 HOURS
EXISTING 3-5/8" HOLLOW BRICK (ITEM #1-1.2) = 1 HOUR

1 HOUR FIRE RATED BARRIER: (PER TABLE 721.1 (2), 2012 IBC)
EXISTING 8" CMU (ITEM # 3-1.2) = 2 HOURS
EXISTING 3-5/8" HOLLOW BRICK (ITEM #1-1.2) = 1 HOUR

LIFE SAFETY GENERAL NOTES

1. ALL RATED PARTITIONS SHALL EXTEND TIGHT FROM FLOOR TO DECK, UNDERSIDE OF RATED CONSTRUCTION, OR TO HORIZONTAL RATED CEILING, AND COMPLETELY AROUND AND OVER WINDOWS AND DOOR OPENING, IF REQUIRED.
2. ALL RATED PARTITIONS SHALL HAVE THE APPROPRIATE RATING STENCIL, PAINTED WITH 3" LETTERS IN THE CONCEALED SPACE ABOVE THE CEILING. MAXIMUM SPACING SHALL BE 8'-0" ON BOTH SIDES OF PARTITION, IF REQUIRED.
3. ALL PENETRATIONS THROUGH RATED PARTITIONS SHALL BE INSTALLED IN A MANNER THAT WILL NOT REDUCE THE RATING OF THE PARTITION. SEE MECHANICAL PLANS FOR THE FIRE DAMPER AND PIPE PENETRATION DETAILS, IF REQUIRED.
4. FIRE EXTINGUISHER CABINETS SHALL BE OF APPROPRIATE CONSTRUCTION TO MAINTAIN THE SURROUNDING WALL RATING. COORDINATE LOCATION W/ MECHANICAL, ELECTRICAL, AND OTHER TRADES.

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

LIFE SAFETY PLAN - SECOND FLOOR LEVEL

JOB NO: 63492 DRAWN: RMT
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G0.3

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IEBC 2018: ALTERATIONS

PER INTERNATIONAL EXISTING BUILDING CODE (IEBC) 2018:

602 - LEVEL 1 ALTERATION; LEVEL 1 REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE. (SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7)

603 - LEVEL 2 ALTERATION; LEVEL 2 RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT. (SHALL COMPLY WITH PROVISIONS OF CHAPTER 7 FOR LEVEL 1 ALTERATIONS, AS WELL AS THE PROVISIONS OF CHAPTER 8)

604 - LEVEL 3 ALTERATION;LEVEL 3 ALTERATIONS OCCUR WHERE THE WORK AREA EXCEEDS 50 PERCENT OF THE BUILDING AREA. LEVEL 3 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 AND 8 FOR LEVEL 1 AND 2 ALTERATIONS, RESPECTIVELY, AS WELL AS THE PROVISIONS OF CHAPTER 9.

605.2 CHANGE OF OCCUPANCY: APPLICATION; CHANGES OF OCCUPANCY SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 10.

606.2 ADDITIONS: APPLICATION; ADDITIONS TO EXISTING BUILDINGS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 11.

FIRE PROTECTION

703.1 - LEVEL 1 ALTERATION; ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED.

803.2 - LEVEL 2 ALTERATION; AUTOMATIC SPRINKLER SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 803.2.1 THROUGH 803.2.4. INSTALLATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

904.1 - LEVEL 3 ALTERATION; AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED IN A WORK AREA WHERE REQUIRED BY SECTION 803.2 OR THIS SECTION.

THE LEVEL OF FIRE PROTECTION EXISTING IN THE SPACE IS IMPROVED BY THE INCLUSION OF AN AUTOMATIC SPRINKLER SYSTEM AND AN APPROVED FIRE ALARM DETECTION SYSTEM THROUGHOUT THE ENTIRE FACILITY.

MEANS OF EGRESS

704.1 - LEVEL 1 ALTERATION; ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS.

805.1 MEANS OF EGRESS SCOPE; THE REQUIREMENTS OF THIS SECTION SHALL BE LIMITED TO WORK AREAS THAT INCLUDE EXITS OR CORRIDORS SHARED BY MORE THAN ONE TENANT WITHIN THE WORK AREA IN WHICH LEVEL 2 ALTERATIONS ARE BEING PERFORMED, AND WHERE SPECIFIED THEY SHALL APPLY THROUGHOUT THE FLOOR ON WHICH THE WORK AREAS ARE LOCATED OR OTHERWISE BEYOND THE WORK AREA.

805.2 THE MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF THIS SECTION.

805.3 NUMBER OF EXITS. THE NUMBER OF EXITS SHALL BE IN ACCORDANCE WITH SECTIONS 805.3.1 THROUGH 805.3.3.

805.4 EGRESS DOORWAYS; EGRESS DOORWAYS IN ANY WORK AREA SHALL COMPLY WITH SECTIONS 805.4.1 THROUGH 805.4.5

905.1 THE MEANS OF EGRESS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 805 EXCEPT AS SPECIFICALLY REQUIRED IN SECTIONS 905.2 AND 905.3.

ALL MEANS OF EGRESS ARE TO COMPLY WITH SECTIONS 805.4.1 THROUGH 805.4.5, AND TO MEET THE REQUIREMENTS OF LEVEL 1, LEVEL 2, AND LEVEL 3 ALTERATIONS, AND APPLICABLE SECTIONS OF BUILDING CODE.

805.7 MEANS-OF-EGRESS LIGHTING; MEANS-OF-EGRESS LIGHTING SHALL BE IN ACCORDANCE WITH THIS SECTION, AS APPLICABLE

ALL LIGHTING WILL FULLY COMPLY WITH THE REQUIREMENTS OF LEVEL 1, LEVEL 2, AND LEVEL 3 ALTERATIONS, AND APPLICABLE SECTIONS OF BUILDING CODE.

STRUCTURAL

706.1 GENERAL. WHERE ALTERATION WORK INCLUDES REPLACEMENT OF EQUIPMENT THAT IS SUPPORTED BY THE BUILDING OR WHERE A REROOFING PERMIT IS REQUIRED, THE PROVISIONS OF THIS SECTION SHALL APPLY.

806.1 GENERAL. STRUCTURAL ELEMENTS AND SYSTEMS WITHIN BUILDINGS UNDERGOING LEVEL 2 ALTERATIONS SHALL COMPLY WITH THIS SECTION.

806.2 EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS. ANY EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENT FOR WHICH AN ALTERATION CAUSES AN INCREASE IN DESIGN DEAD, LIVE OR SNOW LOAD, INCLUDING SNOW DRIFT EFFECTS, OF MORE THAN 5 PERCENT SHALL BE REPLACED OR ALTERED AS NEEDED TO CARRY THE GRAVITY LOADS REQUIRED BY THE INTERNATIONAL BUILDING CODE FOR NEW STRUCTURES. ANY EXISTING GRAVITY LOAD-CARRYING STRUCTURAL ELEMENT WHOSE GRAVITY LOAD-CARRYING CAPACITY IS DECREASED AS A PART OF THE ALTERATION SHALL BE SHOWN TO HAVE THE CAPACITY TO RESIST THE APPLICABLE DESIGN DEAD, LIVE AND SNOW LOADS, INCLUDING SNOW DRIFT EFFECTS, REQUIRED BY THE INTERNATIONAL BUILDING CODE FOR NEW STRUCTURES.

806.3 EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS. EXCEPT AS PERMITTED BY SECTION 806.4, WHERE THE ALTERATION INCREASES DESIGN LATERAL LOADS, OR WHERE THE ALTERATION RESULTS IN PROHIBITED STRUCTURAL IRREGULARITY AS DEFINED IN ASCE 7, OR WHERE THE ALTERATION DECREASES THE CAPACITY OF ANY EXISTING LATERAL LOAD-CARRYING STRUCTURAL ELEMENT, THE STRUCTURE OF THE ALTERED BUILDING OR STRUCTURE SHALL MEET THE REQUIREMENTS OF SECTIONS 1609 AND 1613 OF THE INTERNATIONAL BUILDING CODE. REDUCED SEISMIC FORCES SHALL BE PERMITTED.

806.4 VOLUNTARY LATERAL FORCE-RESISTING SYSTEM ALTERATIONS. STRUCTURAL ALTERATIONS THAT ARE INTENDED EXCLUSIVELY TO IMPROVE THE LATERAL FORCE-RESISTING SYSTEM AND ARE NOT REQUIRED BY OTHER SECTIONS TO THIS CODE SHALL NOT BE REQUIRED TO MEET THE REQUIREMENTS OF SECTION 1609 OR SECTION 1613 OF THE INTERNATIONAL BUILDING CODE, PROVIDED THAT THE FOLLOWING CONDITIONS ARE MET:

1. THE CAPACITY OF EXISTING STRUCTURAL SYSTEMS TO RESIST FORCES IS NOT REDUCED.
2. NEW STRUCTURAL ELEMENTS ARE DETAILED AND CONNECTED TO THE EXISTING OR NEW STRUCTURAL ELEMENTS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE FOR NEW CONSTRUCTION.
3. NEW OR RELOCATED NONSTRUCTURAL ELEMENTS ARE DETAILED AND CONNECTED TO EXISTING OR NEW STRUCTURAL ELEMENTS AS REQUIRED BY THE INTERNATIONAL BUILDING CODE FOR NEW CONSTRUCTION.
4. THE ALTERATIONS DO NOT CREATE A STRUCTURAL IRREGULARITY AS DEFINED IN ASCE 7 OR MAKE AN EXISTING STRUCTURAL IRREGULARITY MORE SEVERE.

906.1 GENERAL. WHERE BUILDINGS ARE UNDERGOING LEVEL 3 ALTERATIONS, THE PROVISIONS OF THIS SECTION SHALL APPLY.

906.2 EXISTING STRUCTURAL ELEMENTS RESISTING LATERAL LOADS. WHERE WORK INVOLVES A SUBSTANTIAL STURCUTRAL ALTERATION, THE LATERAL LOAD-RESISTING SYSTEM OF THE ALTERED BUILDING SHALL BE SHOWN TO SATISFY THE REQUIREMENTS OF SECTIONS 1609 AND 1613 OF THE INTERNATIONAL BUILDING CODE. REDUCED SEISMIC FORCES SHALL BE PERMITTED.

ALL NEW STRUCTURAL ELEMENTS OR STRUCTURAL ALTERATIONS TO BE DONE ACCORDING TO THE APPLICABLE REQUIREMENTS OF THE INTERNATIONAL EXISTING BUILDING CODE AND APPLICABLE SECTIONS OF INTERNATIONAL BUILDING CODE.

808.1 ALL NEWLY INSTALLED ELECTRICAL EQUIPMENT AND WIRING RELATING TO WORK DONE IN ANY WORK AREA SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS OF CHAPTER 7
EXCEPTION: ELECTRICAL EQUIPMENT AND WIRING IN NEWLY INSTALLED PARTITIONS AND CEILINGS SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF NFPA 70.

ALL NEW ELECTRICAL EQUIPMENT TO BE DONE ACCORDING TO THE APPLICABLE REQUIREMENTS OF NFPA 70, AND TO MEET THE REQUIREMENTS OF LEVEL 1, LEVEL 2, AND LEVEL 3 ALTERATIONS.

809 - MECHANICAL; 809.1 RECONFIGURED OR CONVERTED SPACES; ALL RECONFIGURED SPACES INTENDED FOR OCCUPANCY AND ALL SPACES CONVERTED TO HABITABLE OR OCCUPIABLE SPACE IN ANY WORK AREA SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE
EXCEPTION: EXISTING MECHANICAL VENTILATION SYSTEMS SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 809.2

809.2 ALTERED EXISTING SYSTEMS; IN MECHANICALLY VENTED SPACES, EXISTING MECHANICAL VENTILATION SYSTEMS THAT ARE ALTERED, RECONFIGURED, OR EXTENDED SHALL PROVIDE NOT LESS THAN 5 CUBIC FEET PER MINUTE (CFM) (0.0024 M³/S) PER PERSON OF OUTDOOR AIR AND NOT LESS THAN 15 CFM (0.0071 M³/S) OF VENTILATION AIR PER PERSON; OR NOT LESS THAN THE AMOUNT OF VENTILATION AIR DETERMINED BY THE INDOOR AIR QUALITY PROCEEDURE OF ASHRAE 62.

ALL NEW MECHANICAL EQUIPMENT TO FULLY COMPLY WITH THE REQUIREMENTS OF LEVEL 1, LEVEL 2, AND LEVEL 3 ALTERATIONS, AND APPLICABLE SECTIONS OF BUILDING CODE.

ENERGY CONSERVATION

PER 707.1, 810.1, AND 907.1, ALTERATIONS (LEVELS 1-3) TO EXISTING BUILDINGS OR STRUCTURES ARE PERMITTED WITHOUT REQUIRING THE ENTIRE BUILDING OR STRUCTURE TO COMPLY WITH THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR INTERNATIONAL RESIDENTIAL CODE. THE ALTERATIONS SHALL CONFORM TO THE ENERGY REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE OR THE INTERNATIONAL RESIDENTIAL CODE AS THEY RELATE TO NEW CONSTRUCTION ONLY.

ALL NEW CONSTRUCTION WILL COMPLY WITH THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE.

IECC 2018: ENVELOPE INSULATION REQUIREMENTS

PER INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2018:

CLIMATE ZONE 4 (EXCEPT MARINE)

ROOFS

INSULATION ENTIRELY ABOVE ROOF DECK	R-30ci
ATTIC AND OTHER	R-38

WALLS, ABOVE GRADE

MASS	R-9.5ci
METAL FRAMED	R-13 + R-7.5ci
WOOD FRAMED AND OTHER	R-13 + R-3.8ci OR R-20

WALLS, BELOW GRADE

BELOW GRADE WALL	R-7.5ci

SLAB-ON-GRADE FLOORS

UNHEATED SLABS	R-10 FOR 24" BELOW

PLUMBING FIXTURES

PLUMBING FIXTURES REQUIRED PER 2018 IBC TABLE 2902.1

TOTAL OCCUPANTS- 403 (202 WOMEN, 201 MEN)
CLASSIFICATION (S)- USE GROUP BUSINESS, ASSEMBLY

	WATERCLOSETS/ URINALS	LAVATORIES	DRINKING FOUNTAINS
REQUIRED BUSINESS:	2	2	1
REQUIRED ASSEMBLY:	5	2	1
TOTAL REQUIRED:	7	4	2
TOTAL PROVIDED:	11	7	2

* COUNT INCLUDES STAFF TOILETS

PROJECT CODE DATA

Project Client: City of Winchester, TN

Project Location: Winchester, TN

Project Description: This project is a renovation of the existing Winchester City Hall to include the adaptive reuse of the existing Fire Hall building to become the new Court / Council Room and public Lobby entrance.

Applicable Codes:

Building Code	IBC 2018
Plumbing Code	IPC 2018
Mechanical Code	IMC 2018
Electrical Code	NEC 2017
Fire Code	IFC 2018
Existing Building Code	IEBC 2018
Fuel Gas Code	IFGC 2018
Accessibility	ADA 2010

Chapter 3 - Use and Occupancy Classification
This building is classified as Business, Group B occupancy, and Assembly, Group A occupancy.

Chapter 5 - General Building Heights and Areas
Table 503 - Group, Type VB, allowed 3-story, 60 feet high, and 9,000 SF per floor (unprotected, sprinklered)
Section 506.1 - Area Modification - Increase "allowed" area to 58,500 SF per floor.
Section 506.2 - Frontage Increase 50
Section 506.3 - Automatic sprinkler system increase - 200%

Area per Floor:
Basement: 4,188 GSF
Ground Floor (Including Existing Fire Hall): 7,993 GSF
Second Floor: 2,344 GSF
All floors are below the allowable area of 58,500 SF per floor

Chapter 6 - Types of Construction

Table 601	Allowed	Provided
Construction Type	VB	VB
Structural Frame	0	0
Exterior Bearing Walls	0	0
Interior Bearing Walls	0	0
Floor Construction	0	0
Roof Construction	0	0
Exterior Non-bearing Walls	0	0

The entire perimeter of the building is ≥ 30 feet to the nearest property line; therefore no fire rating is required.

Chapter 7 - Fire- Resistance - Rated Construction
Table 704.8 - The entire perimeter of the building is ≥ 30 feet to the nearest property line; therefore there is no limitation on the size and quantity of unprotected openings.
Section 705.4 - Fire wall resistance rating 3 - hour.
(where separating type II or V construction, a 2- hour minimum may be provided)
Section 705.6 - vertical continuity. Fire walls shall extend from the foundation to a termination point at least 30 inches above both adjacent roofs. (where a minimum of a Class B roof is provided, the fire wall may terminate the underside of the roof deck).
Section 715.4 - Fire doors and fire shutters in 2 - hour rated walls shall be 1-1/2" hour.

Chapter 9 - Fire Protection
A full NFPA 13 Sprinkler System is provided.

Chapter 10 - Means of Egress
Section 1004 - Occupant Load.

Accessory storage areas, mechanical equipment rooms	300 gross
Assembly with fixed seats	18- inches per person
Assembly Unconcentrated	15 net
Business	100 gross
Educational Classroom	20 net
Exercise Rooms	50 gross
Kitchens	200 gross
Library	50 net
Locker	50 gross
Stages and platforms	15 net

Section 1005 - Egress width
Stairways 0.2 per occupant
Other 0.15 per occupant

Capacity analysis	Width	Code Factor	Occupants per
	36"	.15	240
Doors	48"	.15	320

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ROBERT MICHAEL THOMAS
REGISTERED ARCHITECT
Robert M Thomas
1 FEBRUARY 2026
No. 104402
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

LIFE SAFETY INFORMATION

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

G0.4

Plotted on: 2/6/2026 3:18:37 PM

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR IN A TIMELY MANNER.
3. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND PROPER UTILITY COMPANY FOR ANY DISRUPTION OF THAT UTILITY.
4. COORDINATE GAS UTILITY WITH ELK RIVER PUBLIC UTILITY DISTRICT.
5. ALL PAVEMENT TO BE REMOVED SHALL BE NEATLY SAWCUT.
6. ALL REMOVAL/REPLACEMENT SHALL BE FULL SIDEWALK SLABS FROM JOINT TO JOINT.
7. DEMOLITION OF THE EXISTING CONCRETE STAIRWELL TO BE PERFORMED IN A CONTROLLED MANNER TO PREVENT DAMAGE TO ADJACENT STRUCTURES AND UTILITIES. SAWCUT AND DEMOLISH STAIR AND LANDINGS. THE EXISTING CONCRETE MAY BE BROKEN ON SITE AND REUSED AS STRUCTURAL FILL, PROVIDED THE MATERIAL IS CLEAN, SOUND, AND FREE OF SOIL, REINFORCING STEEL, AND OTHER UNSOUND MATERIALS IN ACCORDANCE WITH APPROVED SPECIFICATIONS. ANY CONCRETE MATERIAL NOT MEETING REQUIREMENTS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE REGULATIONS.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED TO SAFELY DEMOLISH EXISTING CONCRETE STAIRWELL. THE CONTRACTOR SHALL SUBMIT SHORING & BRACING PLAN AND CALCULATIONS SEALED BY A TENNESSEE REGISTERED ENGINEER.
9. BOUNDARY, TOPOGRAPHIC, & UTILITY SURVEY BY JOHNSON AND ASSOCIATES LAND SURVEYORS, DATED 5/4/25. ALLEN & HOSHALL MAKES NO GUARANTEES TO THE ACCURACY OF THE SURVEY.

LEGEND

	POWER POLE
	LIGHT POST
	ANCHOR
WV	WATER VALVE
GV	GAS VALVE
W	WATER METER
G	GAS METER
	FIRE HYDRANT
S	SANITARY SEWER MANHOLE
GR	GAS REGULATOR
ICV	IRRIGATION CONTROL VALVE
	MAILBOX
WL	WATER LINE
G	GAS LINE
OE	OVERHEAD ELECTRIC
SS	SANITARY SEWER LINE
FO	FIBER OPTIC
	UNDERGROUND CONDUIT

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

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ANTHON J MCLIN
REGISTERED ENGINEER
No. 123390
STATE OF TENNESSEE
1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

EXISTING CONDITIONS AND DEMOLITION PLAN

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C0.1

Plotted on:

NOTES:

1. CONTRACTOR SHALL VERIFY ALL LAYOUT INFO PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ALL BUILDING/SIDEWALK AND BUILDING/PAVEMENT INTERFACES SHALL HAVE ½" EXPANSION JOINT.
3. CONTRACTOR SHALL VERIFY EXACT BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
4. RAMP SHALL NOT EXCEED 8.33% AND SHALL HAVE HANDRAIL.
5. FIRST AVENUE SW., SOUTH HIGH STREET, AND FIRST AVENUE NW. ARE ALL GOVERNED BY TDOT. CONTRACTORS ARE REQUIRED TO OBTAIN WORK ZONE PERMITS WITH TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) AS REQUIRED PRIOR TO ANY CONSTRUCTION.
6. SEGMENTAL BLOCK RETAINING WALL, 8" NOMINAL SIZE, DRY-STACKED AND INTERLOCKING TYPE, CONSTRUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WALL UNIT COLOR AND TEXTURE SHALL BE APPROVED BY THE ARCHITECT. APPROXIMATELY 68 BLOCKS AND 34 WALL CAPS.
7. ALL REMOVAL/REPLACEMENT SHALL BE FULL SIDEWALK SLABS FROM JOINT TO JOINT.
8. ALL SIDEWALKS SHALL BE ADA COMPLIANT.
9. THE SIZE [illegible] CED

HANDICAP PARKING SIGN (TYP), 14/C5.1
HANDICAP PARKING (TYP), 13/C5.1
CONCRETE SIDEWALK, 1/C5.1
TIE FLUSH
CONCRETE PARKING BUMPER, (TYP) 3/C5.1
4" WHITE STRIPE (TYP)
~CONCRETE PAVEMENT, 4/C5.1~
CONTROL JOINT, 7/C5.1 (TYP)
THICKENED EDGE 8/C5.1
10' GATE ACCESS. GATE TO MATCH FENCING PANELS
CURB WIPEDOWN 11/C5.1
SEE ARCHITECTURAL SITE PLANS FOR SCREENING, 8' HIGH CONCRETE SIDEWALK, 12/C5.1
6-18 CURB AND GUTTER 12/C5.1
"9" X 1.5' OPENING FOR UTILITIES. INSTALL 1" DECORATIVE GRAVEL 2"-3" THICK WITH WEED CONTROL FABRIC.
SEGMENTAL BLOCK WALL (34 LF, 1.5' HIGH)
TIE FLUSH TO EXISTING SIDEWALK
PER TDOT CONCRETE SIDEWALK MM-SW-1 DETAIL 1,2/C5.2
SIDEWALK DRAIN, 3/C5.2
CONCRETE SIDEWALK, 1/C5.1
TIE FLUSH TO PAVEMENT
CONCRETE PAVEMENT 4/C5.1
TRANSITION JOINT, 10/C5.1
TIE FLUSH TO EXISTING PAVEMENT
CONCRETE PARKING BUMPER, (TYP) 3/C5.1
4" WHITE STRIPE, (TYP)
TIE FLUSH TO EXISTING SIDEWALK
SEE STRUCTURAL STAIR DETAILS
CONCRETE RAMP WITH HANDRAILS 16/C5.1
LANDSCAPE SCREENING (SEE UNIT PRICE ALLOWANCE ON BID FORM)
8" THICK GENERATOR PAD, VERIFY SIZE WITH GENERATOR MANUFACTURE. ENSURE PAD IS 24" LARGER ON ALL SIDES THAN THE GENERATOR.
LANDSCAPING CURB
TDOT SIDEWALK 7/C5.2
PER TDOT UTILITY/TRENCH PAVEMENT REPAIR DETAIL 5/C5.2
4" WHITE STRIPE, (TYP)
LOBBY 231
A.P. OFFICE 228
C.C. OFFICE 229
WOMEN 232
MEN 233
COURT COUNCIL ROOM 235
WORK AREA 226
CORR. 230
STOR. 234
CONFERENCE 225
CODE ADM. 224
STORAGE 236
237
VESTIBULE 223
PROJECT OFFICE 230
HR OFFICE 212
RECORDS 213
BENEFITS OFFICE 214
KITCHEN 209
ELEV. EQ. 208
ELEV. 210
CORRIDOR 211
IT WORK ROOM 216
FINANCE OFFICE 215
CITY MANAGER OFFICE 204
RECORDS OFFICE 206
CORR. 222
STOR. 217
MAYOR'S OFFICE 218
CITY RECORDER 205
MAIN STREET 219
STAIR 207
GALLERY 201
STORAGE 202A
JANITOR 221A
GEN
WINCHESTER CITY HALL DB 254, PG 330
WINCHESTER FARMER'S BUILDING, LLC DB 366, PG 307
BUILDING CORNER
S 40°40'29" E
S 40°57'51" E
N 32°27'40" W
183.54'
NORTH HIGH STREET
1ST AVENUE (N.W.)
1ST AVENUE (S.W.)
MAG NAIL SET IN SIDEWALK
ACCESS PANEL
WATER METER (TO BE REMOVED)
PARKING SPACES
BUILDING CORNER
TRANS
CIVIL WAR SIGN
SUN DIAL
MECHANTILE
DOGWOOD BUILDING
PLANTER (TYP.)
TRAFFIC SIGNAL POLE
LIGHT POST
POWER POLE AND TRANSFORMER
FLAG POLE
TOWER
GRAVEL
CONCRETE PARKING LOT
ASPHALT
SIDEWALK
MONUMENT
ATT BOX
ELEC BOX
TELE BOX
FIBER OPTIC BOX
SIGN
SIGNAL POLE
BELL SOUTH MANHOLE
PAVED
GRASSED AREA
LS
FENCE
RETAINING WALL
2" GAS LINE
EXISTING 6" WATER LINE
3"PVC
IE=962.99
IE=962.97
IE=962.57
IE=962.36

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REGISTERED ENGINEER
No. 123380
STATE OF TENNESSEE
1/7/26

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SITE PLAN

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C1.1

Plotted on:

NOTES:

1. CONTRACTOR SHALL VERIFY ALL LAYOUT INFORMATION PRIOR TO THE BEGINNING OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ALL COORDINATES ARE PER TN STATE PLANE COORDINATE SYSTEM NAD83.
3. ALL BUILDING/SIDEWALK AND BUILDING/PAVEMENT INTERFACES SHALL HAVE ½" EXPANSION JOINT.
4. CONTRACTOR SHALL VERIFY EXACT BUILDING DIMENSIONS WITH THE ARCHITECTURAL PLANS.

N 310328.46
E 1934808.53

N 310369.90
E 1934772.92

N 310242.21
E 1934830.26

N 310238.19
E 1934833.72

N 310234.06
E 1934828.92

N 310227.25
E 1934834.77

N 310231.80
E 1934812.86

N 310228.82
E 1934820.70

N 310219.76
E 1934826.47

N 310227.60
E 1934815.54

N 310217.07
E 1934822.25

N 310188.14
E 1934840.69

N 310213.19
E 1934817.74

N 310224.43
E 1934810.57

N 310217.40
E 1934815.05

N 310183.66
E 1934836.55

N 310228.83
E 1934808.21

N 310202.16
E 1934787.41

N 310200.48
E 1934788.49

N 310199.41 310193.57
E 1934783.24 934786.96

N 310296.68
E 1934772.30

N 310280.28
E 1934784.64

N 310338.32
E 1934736.44

N 310337.85
E 1934736.84

N 310294.27
E 1934763.30

N 310295.79
E 1934771.26

N 310285.48
E 1934770.89

N 310281.48
E 1934775.68

N 310301.50
E 1934758.38

N 310282.47
E 1934773.48

N 310276.79
E 1934777.64

N 310270.53
E 1934758.51

N 310274.07
E 1934760.27

N 310297.53
E 1934760.53

N 310279.68
E 1934756.70

N 310321.85
E 1934718.25

N 310290.38
E 1934745.39

N 310284.85
E 1934745.45

N 310279.86
E 1934748.79

N 310279.09
E 1934753.06

N 310268.45
E 1934745.67

N 310269.98
E 1934738.77

N 310265.76
E 1934741.45

S 40°40'29" E

93.54'

S 40°57'51" E

88.05'

N 32°27'40" W

183.54'

142.54'

BUILDING CORNER

WINCHESTER CITY HALL
DB. 234, PG. 730

WINCHESTER FARMER'S BUILDING, LLC
DB. 366, PG. 307

CONCRETE PARKING LOT/ DRIVEWAY

GRAVEL

SIDEWALK

NORTH HIGH STREET

PAVED

ASPHALT

MECHANTILE BUILDING

DOGWOOD

CIVIL WAR SIGN

SUN DIAL

GRASSED AREA

LANDSCAPE

MONUMENT

FLAG POLE

MAILBOX

GRAVEL CURB METERS

GEN

LS

TRANS

CONC. PAD

PLANTER (TYP.)

TRAFFIC SIGNAL POLE

LIGHT POST

SIGNAL POLE

SIGN

POWER pole AND HYDRANT

MAG NAIL SET IN SIDEWALK

BELLSOUTH MANHOLE

FIBER OPTICS BOX

ATT BOX

CATV BOX

3" PE GAS LINE

2" GAS LINE

WATER METER (TO BE REMOVED)

ACCESS PANEL

15 PARKING SPACES

7 PARKING SPACES

3 PARKING SPACES

15T AVENUE (N.W.)

15T AVENUE (S.W.)

AUSTIN PEAY

EXISTING 6" WATER LINE

3"PVC

IE=962.39'

IE=962.37'

IE=962.35'

IE=962.59'

IE=962.23'

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REGISTERED ENGINEER
No. 123390
STATE OF TENNESSEE
1/7/26

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

LAYOUT PLAN

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C1.2

Plotted on:

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL GRADES PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ALL SIDEWALKS SHALL BE ADA MAX. 2% CROSS SLOPE. MAX 5% RUNNING SLOPE.
3. ALL ADA COMPLIANT PARKING SHALL BE MAX. 2% SLOPE, IN ANY DIRECTION.
4. THE 4" TRENCH DRAIN SHALL MEET THE MINIMUM REQUIREMENT FOR CLASS C LOADING. GRATES SHALL BE HEEL-PROOF AND ADA-COMPLIANT WITH OPENINGS ½" OR LESS, AND INCLUDE A POSITIVE LOCKING SYSTEM. INSTALL PER MANUFACTURER REQUIREMENTS AND PROVIDE SUBMITTALS FOR APPROVAL PRIOR TO INSTALLATION.

ABBREVIATIONS

FG	FINISHED GRADE
FFE	FINISHED FLOOR ELEV
TH	THRESHOLD
TW	TOP OF WALL
BW	BOTTOM OF WALL
TC	TOP OF CURB
BC	BOTTOM OF CURB
FL	FLOWLINE
RM	RIM
HP	HIGH POINT
LP	LOW POINT
TS	TOP OF STAIRS
BS	BOTTOM OF STAIRS

(C.O.) CLEANOUT

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STATE OF TENNESSEE
1/7/26

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

GRADING PLAN

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C2.1

Plotted on:

SEQUENCE OF EVENTS

1. INSTALL SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES.
2. BEGIN SITE WORK.

LIMITS OF DISTURBANCE, APPROXIMATELY 0.16 AC.

12" SILT SOCK

LIMITS OF DISTURBANCE, APPROXIMATELY 0.07 AC.

12" SILT SOCK

SILT FENCE

SILT FENCE

SILT FENCE

12" SILT SOCK

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

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1/7/26

WINCHESTER CITY HALL

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WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

EROSION CONTROL PLAN
STAGE 1

JOB NO: 63492 DRAWN: AJM

DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C3.1

SEQUENCE OF EVENTS

1. MAINTAIN ALL EROSION CONTROL MEASURES FROM STAGE 1.
2. INSTALL PERMANENT EROSION CONTROL. INSTALL SOD AND SEED TO STABILIZE ALL DISTURBED AREAS AS SHOWN.

LEGEND

SOD

LANDSCAPING GRAVEL. TO MATCH EXISTING

LIMITS OF DISTURBANCE, APPROXIMATELY 0.16 AC.

LIMITS OF DISTURBANCE, APPROXIMATELY 0.07 AC.

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

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STATE OF TENNESSEE
1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

EROSION CONTROL PLAN
STAGE 2

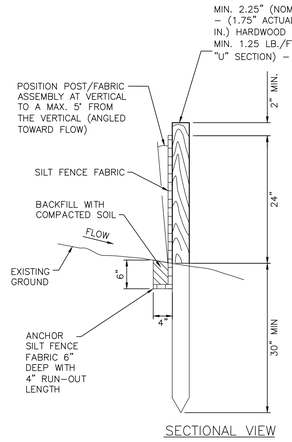
JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C3.2

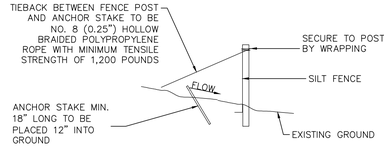
Plotted on:

EROSION CONTROL NOTES

1. THE PURPOSE OF THIS EROSION CONTROL PLAN IS TO PREVENT SILTATION AND OTHER POLLUTANTS, DUE TO CONSTRUCTION, FROM ENTERING ADJACENT STREAMS AND PROPERTY.
2. MAINTAIN ALL GROUND COVER WHENEVER POSSIBLE. ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE NOT TO RECEIVE PAVING SHALL BE SODDED AS SOON AS POSSIBLE.
3. ALL FRESH CUTS IN DRAINAGE WAYS SHALL BE STABILIZED WITH SOD WHERE INDICATED ON PLAN.
4. TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL MEASURES SHALL BE INSTALLED PROMPTLY DURING ALL CONSTRUCTION PHASES.
5. SEDIMENT TRAPS SHALL BE LOCATED AS NEEDED BY THE ENGINEER.
6. SITE EROSION CONTROLS SHALL BE CHECKED AND IF NECESSARY REPAIRED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAINFALL GREATER THAN 0.5". IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY.
7. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S EXPENSE.
8. ALL AREAS TO REMAIN BARE GREATER THAN 14 DAYS MUST BE TEMPORARILY STABILIZED. ALL AREAS GREATER THAN 3:1 TO REMAIN BARE FOR GREATER THAN 7 DAYS SHALL BE TEMPORARILY STABILIZED.
9. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN RUN-OFF. ALL COST FOR SEDIMENT REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. UPON COMPLETE REMOVAL OF SEDIMENT TRAPS, SPECIAL DITCHES, ETC., THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE TOPSOILED, SEEDED, AND MULCHED.
11. ALL STOCKPILES SHALL BE CONTAINED BY SILT FENCE IN ORDER TO PREVENT SEDIMENT RUNOFF FROM ENTERING NEARBY STREAMS.
12. SHOULDERS AND EXCAVATED AREAS SHALL BE PROMPTLY STABILIZED AGAINST EROSION. SILTATION MEASURES SHALL BE IMPLEMENTED PROMPTLY TO REDUCE THE SEDIMENT IN RUN-OFF FROM THE CONSTRUCTION SITE.
13. EQUIPMENT STAGING AND MAINTENANCE AREAS SHALL BE DEVELOPED A SUFFICIENT DISTANCE FROM STREAMS TO ENSURE THAT OIL, GASOLINE, AND OTHER PETROLEUM POLLUTANTS DO NOT ENTER THE WATERWAYS. ANY MAINTENANCE IS DISCOURAGED FROM BEING PERFORMED ON SITE. IF MAINTENANCE IS REQUIRED TO BE DONE ON SITE, THIS SHALL BE DONE IN THE LAYDOWN AREA.
14. FAILURE TO MAINTAIN GOOD EROSION CONTROL MEASURES COULD RESULT IN A FINE BEING ISSUED TO THE CONTRACTOR.
15. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL DEVICES IN GENERAL CONFORMANCE TO THE EROSION CONTROL PLAN. THE EROSION CONTROL PLAN IS PROVIDED TO INDICATE MINIMUM EROSION CONTROL MEASURES REQUIRED OF THE CONTRACTOR AND DOES NOT TAKE INTO ACCOUNT THE CONTRACTOR'S SEQUENCE OF CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN BY THE CONTRACTOR AS REQUIRED TO MINIMIZE IMPACTS TO ADJACENT PROPERTIES AND THE DRAINAGE SYSTEM DOWNSTREAM OF THE SITE, AT NO ADDITIONAL COST.
16. INLET PROTECTION SHALL BE PER DETAIL ON THIS SHEET, PLUS BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP (ADS FLEXSTORM "CATCH-IT" - OR APPROVED EQUAL). SEDIMENT SHALL BE REMOVED FROM BELOW-GRADE GEOTEXTILE CATCH BASIN SEDIMENT TRAP ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AT NO ADDITIONAL COST TO OWNER.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION OR OTHER ACTIVITIES.
18. A SPECIFIC INDIVIDUAL SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS AND AS REQUESTED BY THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION CONTROL AS SET FORTH IN THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK. ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTRACT SO AS TO PREVENT ANY SEDIMENTATION FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHTS-OF-WAY. STRAW BALE DAMS, SILT SOCKS, AND/OR SEDIMENT FENCE SHALL BE INSTALLED AS DIRECTED. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION.
20. A COPY OF THE EROSION CONTROL PLAN MUST BE AVAILABLE ON SITE FOR THE INSPECTOR ON REQUEST.
21. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY, BUT MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO RAINFALL EVENTS.
22. ALL CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AS NECESSARY, AT LEAST TWICE WEEKLY, 72 HOURS OR MORE APART. DURING PROLONGED RAINFALL, DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.
23. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE TDEC "EROSION AND SEDIMENT CONTROL HANDBOOK".
24. THERE MAY BE EXISTING SILT FENCE IN PLACE, HOWEVER, THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEETING THE REQUIREMENTS OF THIS PLAN AND FOR INSTALLING NEW SILT FENCE AS REQUIRED.
25. ALL SLOPES 3:1 OR GREATER AT THE END OF THE PROJECT SHALL BE SODDED.



SECTIONAL VIEW

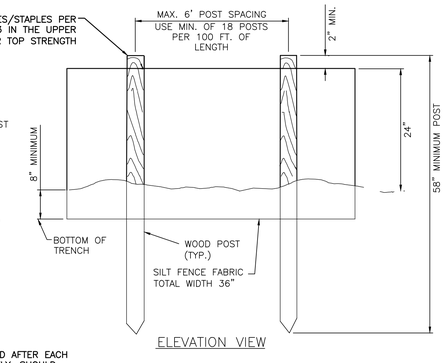


SILT FENCE TIEBACK
FOR STEEL POSTS OR WOOD POSTS

(WHEN REQUIRED BY THE ENGINEER OR NOTED IN THE PLANS, COST TO BE INCLUDED IN THE ITEMS FOR SILT FENCE. STEEL POST SHALL BE USED FOR WIRE BACKING)

MAINTENANCE:

1. INSPECT SILT FENCES AT LEAST TWICE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REPLACE BURLAP AS NEEDED.
2. REMOVE SEDIMENT DEPOSITS WHEN THE STORAGE VOLUME HAS BEEN REDUCED BY 50% TO PROVIDE ADEQUATE STORAGE FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANING. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRAD AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



ELEVATION VIEW

1 / C3.3 TYP. SILT FENCE
NTS

Plotted on:

Allen&Hoshall
engineers • architects • surveyors

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1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

EROSION CONTROL NOTES AND DETAILS

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C3.3

NOTES:

1. COORDINATE GAS SERVICE WITH THE APPROPRIATE GAS UTILITY COMPANY. CONTRACTOR IS RESPONSIBLE FOR ALL FEES.
2. COORDINATE ALL UTILITY TIE IN TO THE BUILDING WITH PLUMBING PLANS.
3. WATER TAP SHALL BE COORDINATED WITH WINCHESTER UTILITIES. CONTRACTOR IS RESPONSIBLE FOR ALL FEES.
4. CONTRACTORS ARE REQUIRED TO OBTAIN STREET CUT & WORK ZONE PERMITS WITH TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) PRIOR TO ANY CONSTRUCTION.
5. THRUST BLOCKS SHALL BE PROVIDED ON ALL BENDS OF WATER LINES AND AS DIRECTED BY THE ENGINEER.
6. ALL TAPS TO EXISTING UTILITIES SHALL BE HOT TAPS AND EXISTING MAINS SHALL REMAIN ACTIVE AT ALL TIMES.
7. ALL FIRE LINES SHALL BE C900.

SEE MECH. PLANS FOR CONTINUATION

6" C900 FIRE MAIN

TIE TO EXISTING 6" WATER LINE WITH HOT TAP

P.I.V., 4/P0.2

F.D.C., 1/P0.2

4" C900 FIRE LINE TO F.D.C.

40'

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

Allen&Hoshall

engineers • architects • surveyors

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

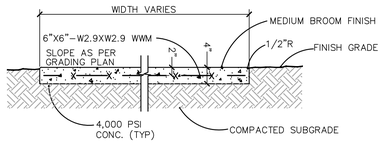
No.	Revision Description	Date

UTILITY PLAN

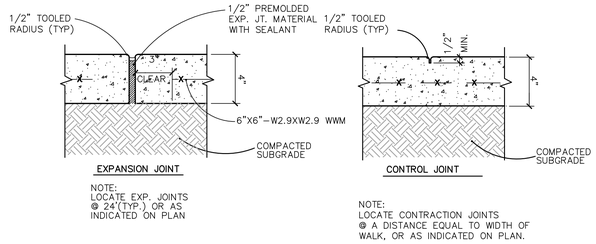
JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C4.1

Plotted on:



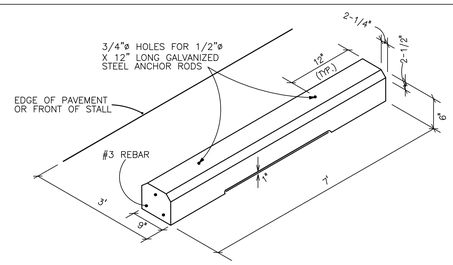
1 C5.1 TYPICAL SIDEWALK DETAIL
NTS



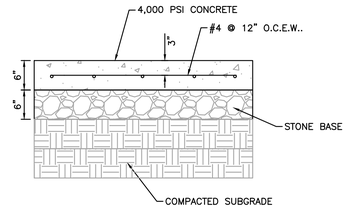
NOTE:
LOCATE EXP. JOINTS @ 24'(TYP.) OR AS INDICATED ON PLAN

NOTE:
LOCATE CONTRACTION JOINTS @ A DISTANCE EQUAL TO WIDTH OF WALK, OR AS INDICATED ON PLAN.

2 C5.1 TYPICAL CONCRETE JOINT DETAILS FOR SIDEWALK
NTS



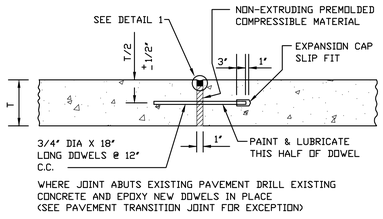
3 C5.1 PRECAST CONC. PARKING BUMPER
NTS



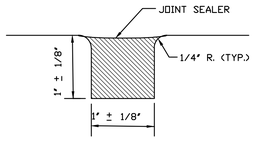
NOTES:

1. SEE DETAIL 7 FOR CONTROL JOINT DETAILS.
2. STONE BASE SHALL BE TYPE A, GRADING D IN ACCORDANCE WITH SECTION 903.05 OF THE TDOT SPECIFICATIONS

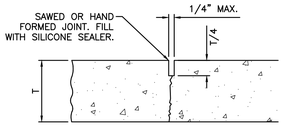
4 C5.1 CONCRETE PAVEMENT
NTS



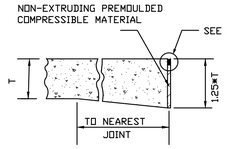
5 C5.1 TYPE "A" DOWELED EXPANSION JOINT
NTS



6 C5.1 DETAIL 1
NTS

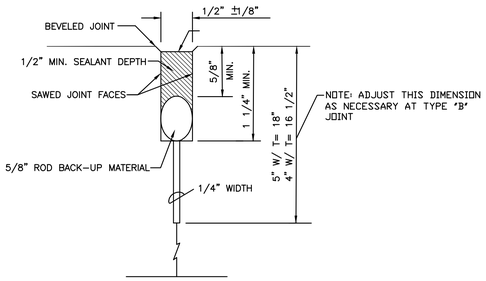


7 C5.1 CONTROL JOINT
NTS

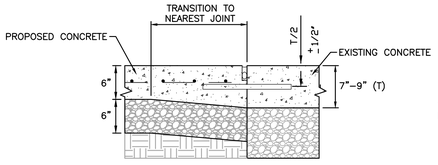


THICKENED EDGE SHALL BE USED AT CONCRETE/BUILDING INTERFACE

8 C5.1 TYPE "B" THICKENDED EDGE
NTS



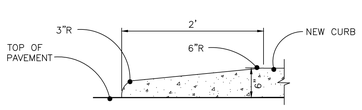
9 C5.1 DETAIL 1
NTS



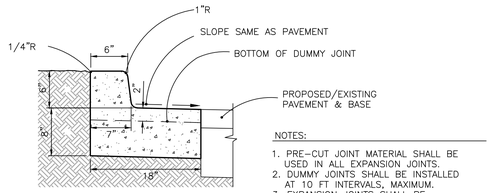
NOTE(S):

1. EXISTING CONCRETE THICKNESS IS APPROXIMATE. VERIFY THICKNESS PRIOR TO CONSTRUCTION

10 C5.1 PAVEMENT TRANSITION AT CJ
NTS



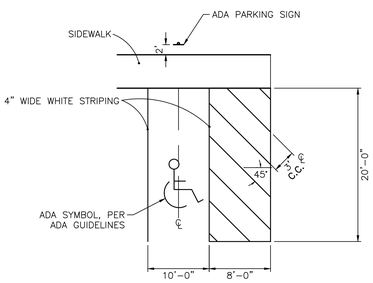
11 C5.1 TYP. CURB WIPEDOWN
NTS



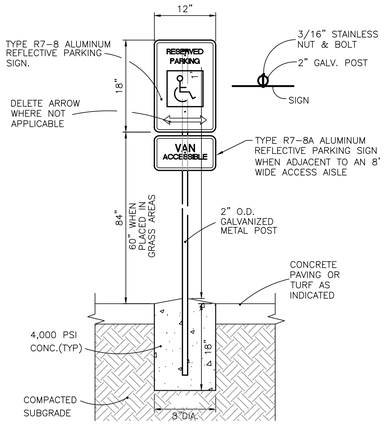
NOTES:

1. PRE-CUT JOINT MATERIAL SHALL BE USED IN ALL EXPANSION JOINTS.
2. DUMMY JOINTS SHALL BE INSTALLED AT 10 FT INTERVALS, MAXIMUM.
3. EXPANSION JOINTS SHALL BE INSTALLED AT 40 FT.,MAXIMUM.
4. EXPANSION JOINTS SHALL BE INSTALLED AT ENDS OF RADIUS.
5. EXPANSION JOINTS SHALL BE LOCATED A MINIMUM OF 5 FT. FROM INLET STRUCTURES.
6. CONCRETE COMPRESSIVE STRENGTH SHALL BE 4000 PSI @ 28 DAYS.

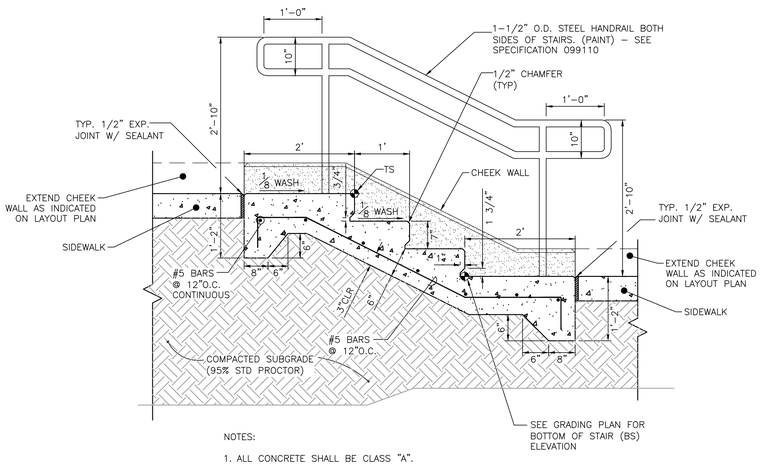
12 C5.1 TYP. 6-18 CURB & GUTTER
NTS



13 C5.1 HANDICAP PARKING SPACE
NTS



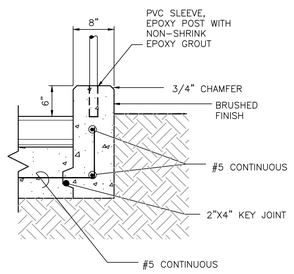
14 C5.1 HANDICAP PARKING SIGN
NTS



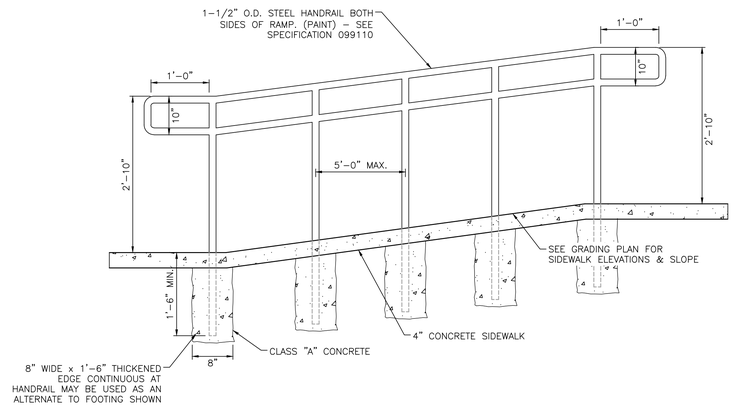
NOTES:

1. ALL CONCRETE SHALL BE CLASS "A".
2. SEE GRADING PLAN FOR TOP OF STAIRS (TS) AND BOTTOM OF STAIRS (BS) ELEVATIONS.
3. SEE LAYOUT PLAN FOR NUMBER OF STEPS.

15 C5.1 TYP. EXTERIOR STAIRS
NTS



CHEEK WALL SECTION



16 C5.1 CONCRETE RAMP WITH HANDRAIL
NTS

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engineers • architects • surveyors

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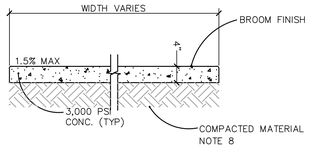
No.	Revision Description	Date

SITE DETAILS

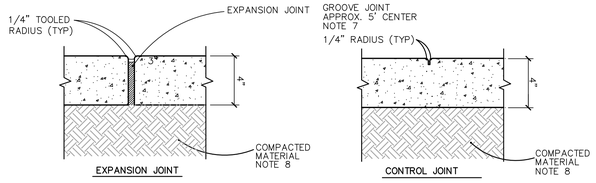
JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C5.1

Plotted on:



1 / C5.2 TDOT TYPICAL SIDEWALK DETAIL
NTS



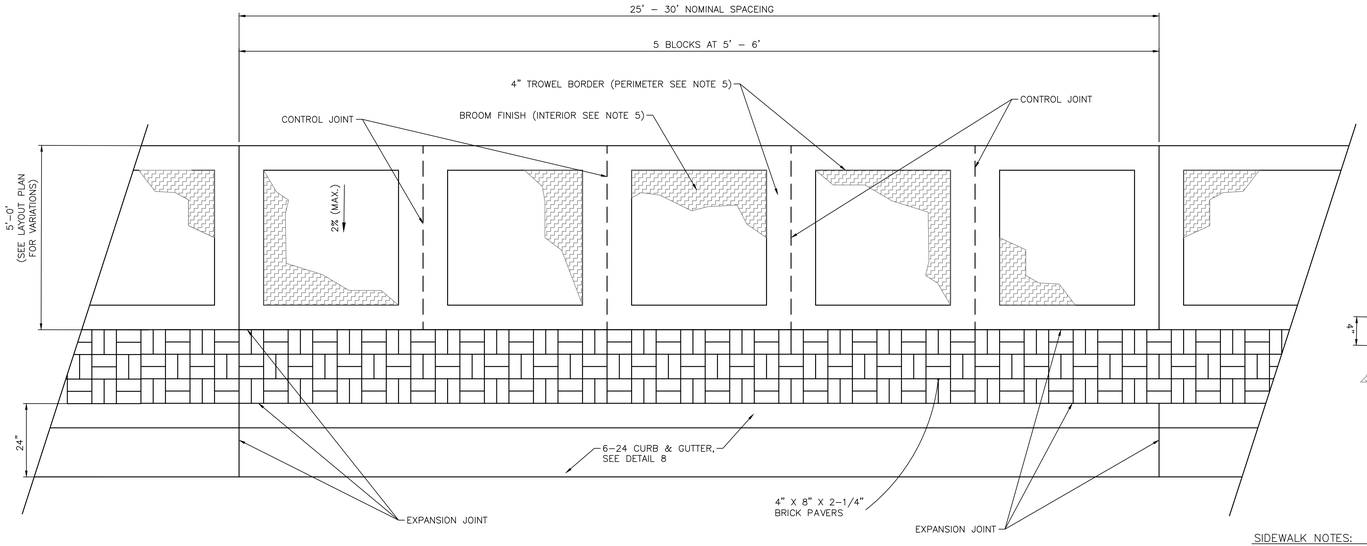
NOTE:
LOCATE EXP. JOINTS @ 25' TO 30'(TYP.) OR AS INDICATED ON PLAN

NOTES

1. WHERE IT BECOMES NECESSARY TO REMOVE PARTS OF EXISTING CONCRETE SIDEWALKS OR RAMPS, THE RESULTING EDGES SHALL BE CUT TO A NEAT LINE, AND ANY OFFSETS IN SUCH LINES SHALL BE MADE AT RIGHT ANGLES.
2. MAXIMUM SIDEWALK CROSS SLOPE IS 1.5%. ALL SIDEWALKS SHALL HAVE A BROOM FINISH AND SHALL BE 4" THICK UNLESS THE PLANS CALL FOR 6" THICKNESS. THE CONCRETE SHALL BE CLASS "A" AT 3000 PSI.
3. EXPANSION JOINTS ARE TO BE PLACED 25 TO 30 FEET APART DEPENDING ON TRANSVERSE JOINT MARKINGS AND NEED TO MATCH CURB EXPANSION JOINT WHERE SIDEWALK IS BUILT DIRECTLY AGAINST CURB, OR AS DIRECTED BY THE ENGINEER WHERE THE PROPOSED SIDEWALK IS IN CONTACT WITH THE STREET RETURNS, ON BUILDING LINES PRODUCED AT STREET INTERSECTIONS WHERE WALKS LEAD TO HOUSE OR OTHER ENTRANCES AND AN OTHER LOCATIONS WHERE STRESSES MAY DEVELOP.
4. CONCRETE JOINT MATERIAL TO BE FLUSH WITH THE SIDEWALK SURFACE, ONE INCH PREFORMED FILLER IN ACCORANCE WITH SECTION 701.06 OF THE STANDARD SPECIFICATIONS.
5. ONE INCH EXPANSION JOINTS ARE TO BE PLACED WHERE THE PROPOSED SIDEWALK IS IN CONTACT WITH CIRCULAR CURBS, BUILDINGS AND/OR RETAINING WALLS.
6. WHEN NEW SIDEWALK IS PLACED ADJACENT TO EXISTING SIDEWALK THE CONTRACTOR SHALL CORRECT ALL ABRUPT CHANGES AND SLOPES TO PROVIDE A SMOOTH TRANSITION FROM THE LIMIT OF CONSTRUCTION TO EXISTING PEDESTRIAN FACILITY.
7. DIVIDE THE SURFACE OF SIDEWALKS INTO BLOCKS USING A GROOVING TOOL. SPACE THE GROOVES APPROXIMATELY 5 FEET APART TO PRODUCE SQUARE BLOCKS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
8. SHAPE AND COMPACT THE SUBGRADE TO A FIRM, EVEN SURFACE IN REASONABLY CLOSE CONFORMITY WITH THE GRADE AND CROSS-SECTION SHOWN ON THE PLANS. REMOVE ALL SOFT AND YIELDING MATERIAL, REPLACE IT WITH ACCEPTABLE MATERIAL, AND COMPACT IT AS DIRECTED BY THE ENGINEER.

SEE TDOT MM-SW-1 FOR GENERAL NOTES AND DETAILS.

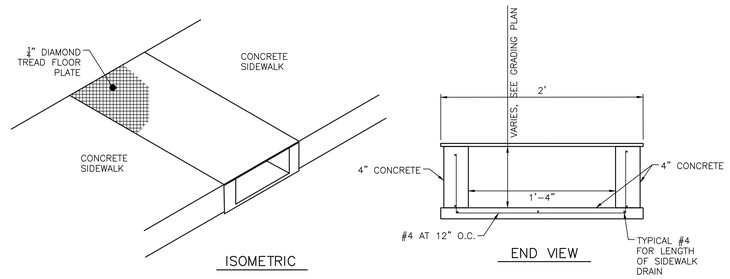
2 / C5.2 TDOT TYPICAL CONCRETE JOINT DETAILS FOR SIDEWALK
NTS



STREET

PLAN VIEW

7 / C5.2 TDOT SIDEWALK DETAIL
NTS



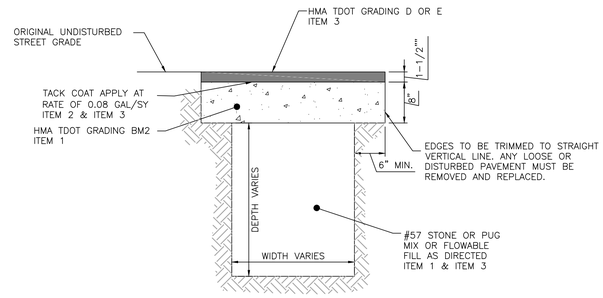
ISOMETRIC

END VIEW

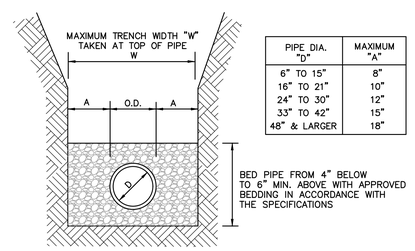
NOTE(S):

1. USE COUNTERSUNK FASTENERS OR AN APPROVED MECHANISM TO SECURE THE TREAD FLOOR PLATE IN POSITION.
2. DIAMOND TREAD FLOOR PLATE TO BE ASTM A36 MATERIAL, HOT DIP GALVANIZED FINISH.

3 / C5.2 SIDEWALK DRAIN
NTS



5 / C5.2 TDOT TRENCH RAPAIR
NTS



PIPE DIA. "D"	MAXIMUM "A"
6" TO 15"	8"
16" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

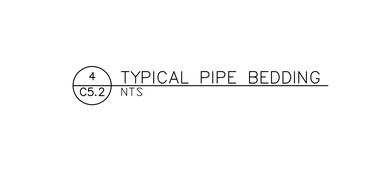
4 / C5.2 TYPICAL PIPE BEDDING
NTS

ITEM 1: COMPACT ALL BASE STONE AND HOT MIX ASPHALT TO THE MAXIMUM EXTENT POSSIBLE: UTILIZE A NUCLEAR DENSITY GAUGE TO DETERMINE APPARENT DENSITY. PERIODICALLY DURING COMPACTION CHECK DENSITY. WHEN DENSITY DOES NOT INCREASE WITH ADDITIONAL COMPACTIVE EFFORT, MAXIMUM POSSIBLE DENSITY WILL BE CONSIDERED TO HAVE BEEN ACHIEVED.

ITEM 2: TACK COAT SHALL BE A PRODUCT LISTED IN TDOT STANDARD SPECIFICATION 403.02

ITEM 3. BASE STONE, CONCRETE, HOT MIX ASPHALT, AND TACK COAT SHALL BE SUPPLIED BY PRODUCERS ON TDOT'S APPROVED PRODUCER LIST.

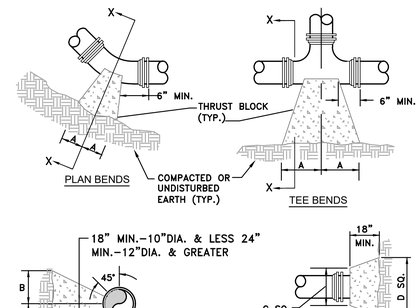
SEE TDOT GENERAL REQUIREMENTS FOR OPEN TRENCH PAVEMENT AND WHEEL PATH PAVEMENT REPAIR DETAILS.

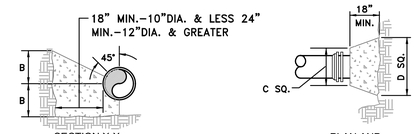


SECTION

SIDEWALK NOTES:

1. SIDEWALKS SHALL CONFORM WITH THE TENNESSEE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
2. PROPOSED SIDEWALKS SHALL CONFORM TO TDOT STANDARD DRAWING RP-S-7 "DETAILS FOR STANDARD CONCRETE SIDEWALKS" EXCEPT AS NOTED HEREON.
3. ALL EXPANSION JOINT MATERIAL PLACED BETWEEN PROPOSED SIDEWALKS AND EXISTING STRUCTURES SHALL BE RECESSED ONE INCH BELOW THE SIDEWALK SURFACE. THE RECESS SHALL BE PACKED WITH A WATERPROOF SEALANT.
4. A BLOCK OUT SHALL BE PLACED AROUND ALL FIRE HYDRANTS AND LIGHT POLES, ETC. IN ORDER TO FACILITATE A REMOVAL OR REPAIR. THE BLOCK SHALL BE SQUARE OR RECTANGULAR IN SHAPE, AS THE LOCATION MAY PERMIT, AND SHALL BE THE DIAMETER OF THE PROTRUSION PLUS SIXTEEN INCHES, A ½" EXPANSION JOINT SHALL BE PLACED BETWEEN THE SIDEWALK POUR AND THE BLOCK OUT POUR.
5. THE PERMITETER OF EACH SQUARE OR BLOCK DELINEATED BY EXPANSION AND / OR CONTROL JOINTS SHALL BE OUTLINED WITH A 4 INCH TROWEL FINISH. A BROOM FINISH SHALL BE APPLIED TO THE INTERIOR OF EACH SQUARE OR BLOCK AND SHALL BE APPLIED PERPENDICULAR TO THE STREET.
6. EXISTING BRICK IS REDIMENTAL RED PAVERS BY THE BELDEN BRICK COMPANY. THE CONTRACTOR SHALL SUBMIT COLOR SAMPLES TO ENSURE A PROPER MATCH.



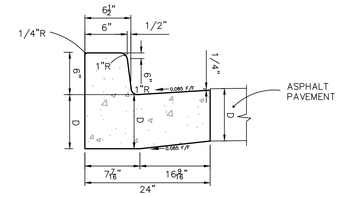


NOTES:

1. FOR VERTICAL BEND DOWN IN EXCESS OF 11 1/4" BEND, ANCHORAGE SHALL BE DESIGNED BY ENGINEER.
2. FOR VERTICAL BEND UPWARD, BLOCKING TO BE SIMILAR TO THAT FOR HORIZONTAL BEND.
3. GLANDS & BOLTS SHALL BE PROTECTED FROM CONCRETE BY PLASTIC SHEETING WHEN POURING THRUST BLOCKS.
4. ALL THRUST BLOCK AND SUPPORT CONCRETE SHALL BE 3000 PSI READY MIX CONCRETE.
5. THRUST BLOCKS WITH "B" DIMENSION GREATER THAN 30" SHALL HAVE THE RESTRAINED PIPE INSTALLED WITH A MINIMUM OF 4' OF COVER.
6. IF UNDER 100 PSI WORKING PRESSURE, RESTRAINT JOINTS MUST BE USED. IF EQUAL OR GREATER THAN 100 PSI WORKING PRESSURE, BOTH BLOCK AND RESTRAINT JOINTS ARE REQUIRED.

PIPE SIZE	90° BEND A	90° BEND B	45° BEND A	45° BEND B	22 1/2° BEND A	22 1/2° BEND B	11 1/4° BEND A	11 1/4° BEND B	TEE A	TEE B	PLUG C	PLUG D
4"	8"	12"	8"	8"	6"	6"	6"	6"	11"	9"	10"	6"
6"	18"	12"	8"	10"	8"	8"	8"	8"	11"	10"	12"	18"
8"	18"	13"	10"	10"	8"	8"	8"	8"	11"	12"	12"	24"
10"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"
12"	20"	16"	12"	14"	8"	12"	8"	12"	14"	16"	16"	30"

6 / C5.2 THRUST BLOCK DETAIL
NTS



LEGEND
D = VERTICAL DEPTH OF GUTTER (IS BASED ON PAVEMENT DESIGN)
T = 1.5" VERTICAL DROP IN GUTTER FROM FRONT EDGE TO FACE OF CURB

NOTES:

1. FOR SPECIFICATIONS SEE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION, SECTION 702 – CEMENT CONCRETE CURB, GUTTER AND COMBINED CURB AND GUTTER.
2. PROPOSED CURB AND GUTTER SHALL CONFORM TO TDOT STANDARD DRAWING RP-VC-11 "VERTICAL CONCRETE CURB AND CURB AND GUTTER" EXCEPT AS NOTED HEREON.
3. THE FRONT FACE OF THE CONCRETE CURBS FOR ALL DEGREES OF CURVATURE SHALL CONFORM TO THE CONTOUR OF THE CURVE AND NO CHORD SECTIONS WILL BE PERMITTED.
4. CONCRETE EXPANSION JOINT MATERIAL IS TO BE 1/2" IN THICKNESS AT ALL LOCATIONS. ALL MATERIAL IS TO BE PRE-MOLDED FIBER IN ACCORDANCE WITH SECTION 905 – JOINT MATERIAL OF THE STANDARD SPECIFICATIONS.
5. EXPANSION JOINTS ARE TO BE PLACED AS FOLLOWS:
   A. AT TANGENT POINTS OF CIRCULAR CURBS.
   B. BETWEEN CURBS AND ABUTTING RIGID OBJECTS.
   C. AT OTHER PLACES WHERE STRESSES MAY DEVELOP.
   D. TO LINE UP WITH PAVEMENT JOINTS WHERE THE ADJACENT PAVEMENT IS CONCRETE.
   E. THE MAXIMUM SPACING IS TO BE 100 FEET LINEAR.
   F. BETWEEN CONCRETE CURBS OR CURB AND GUTTERS AND CONCRETE PAVEMENT. IT IS NOT REQUIRED WHEN CURBS OR CURB AND GUTTERS ARE ADJACENT TO ASPHALT.
6. CONTRACTION JOINTS ARE TO BE SPACED AT 10 FEET. THE SPACING OF 10 FEET MAY BE REDUCED FOR CLOSURES, BUT NOT LESS THAN 6 FEET.
7. EDGES OF JOINTS SHALL BE FINISHED ON 1/4" RADII.
8. THE 1/4" HEIGHT IS FOR WHEN ASPHALT PAVEMENT IS ADJACENT TO CONCRETE CURB AND GUTTER ONLY. CONCRETE PAVEMENT WILL BE FLUSH WITH THE TOP OF THE GUTTER.

8 / C5.2 TDOT 6-24 CONCRETE CURB AND GUTTER
NTS

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ANTHON J MCLIN
REGISTERED ENGINEER
No. 123390
STATE OF TENNESSEE
1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SITE DETAILS

JOB NO: 63492 DRAWN: AJM
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

C5.2

Platted on:

ABBREVIATIONS

ABV	ABOVE
ACT	ACOUSTICAL CEILING TILE
A/C	AIR CONDITIONING
ACC	ACCESSIBLE, ACCESSORIES
ADD	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
ALT	ALTERNATE (IVE)
AL, ALUM	ALUMINUM
APPROX	APPROXIMATE
APT	APARTMENT
ARCH	ARCHITECTURAL
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
B/N	BETWEEN
BR	BRICK
BSMT	BASEMENT
BTU	BRITISH THERMAL UNIT
CAB	CABINET
CFLG	COUNTERFLASH (ING)
CFOI	CONTRACTOR FURNISHED ; OWNER INSTALLED
CJ	CONTROL JOINT
CLG	CEILING
CL	CENTERLINE
CLO	CLOSET
CLR	CLEAR (ANCE)
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACT(OR)
COORD	COORDINATE
CPT	CARPET(ED)
CR	CARD READER
CRS.	COURSES
CSMT	CASEMENT
CT	CERAMIC TILE
CU FT	CUBIC FOOT (OR FEET)
D	DRYER
DBL	DOUBLE
DEMO	DEMOLISH; DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTRIBUTION
DN	DOWN
DS	DOWNSPOUT
DSPL	DISPOSAL
DTLS.	DETAILS
DW	DISHWASHER
DWR	DRAWER
DWGS	DRAWINGS
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR, ELEVATION
EP	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
EOS	EMERGENCY OVERFLOW SCUPPER
EST	ESTIMATE(D)
EWS	EYE WASH STATION
EX/EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTR	EXTRUDED
FD	FLOOR DRAIN
FDN	FOUNDATION
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER ON WALL BRACKET
FFE	FINISH FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FIN	FINISH(ED)
FIN FL/FF	FINISHED FLOOR
FL	FLASHING
FLR	FLOOR
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FOW	FACE OF WALL
FP	FIRE PROOF (ING)
FR	FIRE RATED
FRMG	FRAMING
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FOOT, FEET
FTG	FOOTING
FURN	FURNITURE
FUT	FUTURE
FWC	FABRIC WALL COVERING
GA	GAGE, GAUGE
GALV	GALVANIZED, GALVANIC
GB	GYPSUM BOARD
GC	GENERAL CONTRACTOR
GEN	GENERAL
GL	GLASS
GLU LAM	GLUE LAMINATED WOOD
GLZ CMU	GLAZED MASONRY UNIT
GOVT	GOVERNMENT
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH
HD HT	HEAD HEIGHT
HDR	HEADER
HDW	HARDWARE
HDWD	HARWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HWF	HARDWOOD FLOORING
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IN	INCHES
INCL	INCLUDING(ED)
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JST	JOIST
JT	JOINT
KIT	KITCHEN
LAM.	LAMINATE(D)
LAV	LAVATORY
LB	POUND
L	LONG, LENGTH
LF	LINEAR FEET
LH	LEFT HAND
LNDSCP	LANDSCAPE
LOC	LOCATION
LTG	LIGHTING
LVR	LOUVER
LVT	LUXURY VINYL TILE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MARKER BOARD
MC	MINUMUM CLEAR
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM, MINUTE
MIRR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MRBL	MARBLE
MTB	MARKER/TACK BOARD
MTD	MOUNTED
MTG HT	MOUNTING HEIGHT
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MULT	MULTIPLE
NA	NOT APPLICABLE
NC	NON COMBUSTIBLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOT RATED
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OC	ON CENTER
OCH	ON CENTER HORIZONTALLY
OCV	ON CENTER VERTICALLY
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
OVHD	OVERHEAD
OSB	ORIENTED STRAND BOARD
PAT	PATTERN
PBD	PARTICLE BOARD
PLYWD	PLYWOOD
POLYETH	POLYETHYLENE
PCP	PORTLAND CEMENT PLASTER
PED	PEDISTAL
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMINENT
PERP	PERPENDICULAR
PH	PHASE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
PNT	PAINT(ED)
POR	PORCELAIN
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PT	POST TENSION, PRESSURE TREATED
PTN	PARTITION
PVG	PAVING
PWR	POWER
QT	QUARRY TILE
R	RADIUS , RISER
RAD	RADIUS
RB	RUBBER BASE
RC	REINFORCED CONCRETE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN, ROAD
REC	RECESSED
REF	REFER (ENCE) , REFRIGERATOR
REINF	REINFORCE (D), (ING)
REQD	REQUIRED
RES	RESIDENTIAL, RESILIENT
RET	RETAINING
REV	REVISION (S), REVISED
RF	ROOF
RFG	ROOFING
RH	ROOF HATCH, RIGHT HAND
RL	ROOF LEADER
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RST	RUBBER STAIR TREAD
RT	RIGHT
RTU	ROOF TOP UNIT
S&R	SHELF AND ROD
SB	SPLASH BLOCK
SC	SEALED CONCRETE, SOLID CORE (DOOR)
SCR	SHOWER CURTAIN ROD
SCHED	SCHEDULE
SD	STORM DRAIN
SEC	SECURITY
SECT	SECTION
SF	SQUARE FOOT (FEET)
SHTG	SHEATHING
SHV	SHELF, SHELVING
SIM	SIMILAR
SL	SLOPE
SOG	SLAB ON GRADE
SP	SOUNDPROOF
SPEC	SPECIFICATION
SPKLR	SPRINKLER
SQ	SQUARE
SQ IN	SQUARE INCH
SS	STANDING SEAM, SANITARY SEWER
SSM	SOLID SURFACE MATERIAL
SST	STAINLESS STEEL
ST	STAIR, STREET, STONE
STC	SOUND TRANSMISSION COEFFICIENT
STD	STANDARD
STER	STERILIZER
STL	STEEL
STN	STAINED
STOR	STORAGE
STRUCT	STRUCTURE (AL)
SUSP	SUSPENDED
T	TREAD
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERED
TER	TERAZZO
TFF	TOP OF FINISH FLOOR
THK	THICK (NESS)
THRES	THRESHOLD
THRU	THROUGH
TLT	TOILET
TN	TRUE NORTH
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOS	TOP OF SLAB
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPTN	TOILET PARTITION
TRTD	TREATED
TV	TELEVISION
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UNFIN	UNFINISH(ED)
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VCT	VINYL COMPOSITE TILE
VEND	VENDING
VERT	VERTICAL
VIF	VERIFY IN FIELD
VIN	VINYL
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
W	WASHER, WIDE
W/	WITH
W/O	WITHOUT
WC	WALL COVERING, WATERCLOSET
WCJ	WALL CONTROL JOINT
WCO	WALL CLEAN OUT
WD	WOOD
W/D	WASHER/DRYER
WG	WIRED GLASS
WIND	WINDOW
WO	WINDOW OPENING
WOM	WALK OFF MAT
WP	WATER PROOFING
WR	WATER RESISTANT
VFCI	VENDOR FURNISHED, CONTRACTOR INSTALLED
VFOI	VENDOR FURNISHED, OWNER INSTALLED

SYMBOL LEGEND

NORTH ARROW

1 / A101 SIM — ENLARGED PLAN OR PLAN DETAIL

Room name / 101 — ROOM NAME & ROOM NUMBER

1 Ref / Ref 1 / A101 / 1 Ref — ELEVATION

1 / A101 SIM — SECTION

0 — COLUMN GRID

101 — DOOR NUMBER

1t — WINDOW / STOREFRONT TYPE

1i — WALL TYPE

CENTERLINE

SPOT ELEVATION

FLOOR DRAIN

FIRST FLOOR 10'-0" — LEVEL NAME / ELEVATION

A — NEW KEYNOTE TAG

1 — DEMO KEYNOTE TAG

1 — REVISION TAG

SE-1 — SPECIALTY EQUIPMENT TAG

T1 — TOILET ACCESSORIES TAG

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ROBERT MICHAEL THOMAS — REGISTERED ARCHITECT — Robert M Thomas — 1/6/2026 — No. 104460 — STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

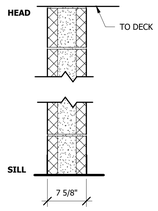
ABBREVIATIONS AND SYMBOLS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

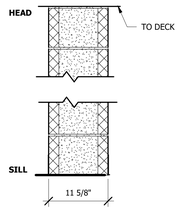
A0.1

Plotted on: 2/6/2026 3:31:48 PM

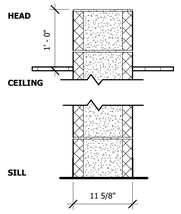
WALL TYPES



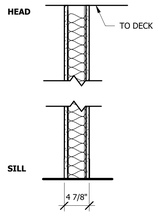
A1.1
8" CMU WALL



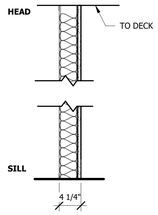
B1.1
12" CMU WALL



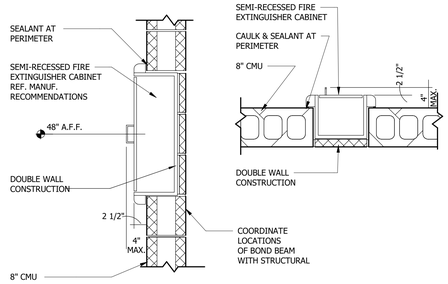
B1.3
12" CMU WALL

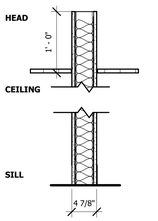


C1.1
3 5/8" METAL STUD W/ GYP. BOARD (BOTH SIDES)

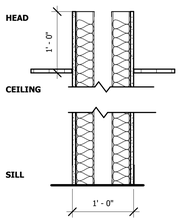


C1.2
3 5/8" METAL STUD W/ GYP. BOARD (ONE SIDE)

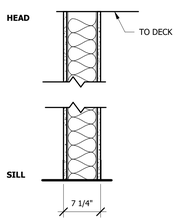




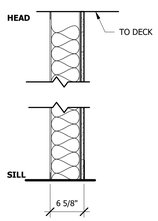
C1.3
3 5/8" METAL STUD W/ GYP. BOARD (BOTH SIDES)



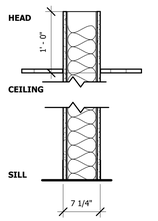
C1.4
3 5/8" METAL STUD W/ GYP. BOARD (BOTH SIDES) (PLUMBING CHASE)



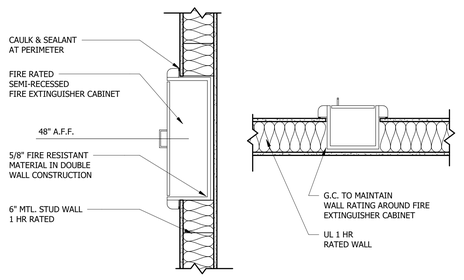
D1.1
6" METAL STUD W/ GYP. BOARD (BOTH SIDES)



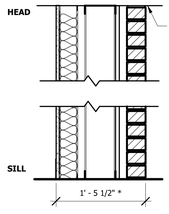
D1.2
6" METAL STUD W/ GYP. BOARD (ONE SIDE)



D1.3
6" METAL STUD W/ GYP. BOARD (BOTH SIDES)



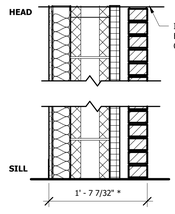
4 FIRE EXTINGUISHER DETAILS
1" = 1'-0"



E1.1
INFILL INTO EXISTING MASONRY OPENING

* NOTE: CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS. THE INTENT AT INDICATED INFILL LOCATIONS IS TO MATCH THE EXISTING WALL THICKNESS. THE INTERIOR GYPSUM BOARD IS TO ALIGN WITH THE EXISTING INTERIOR WALL TO REMAIN.

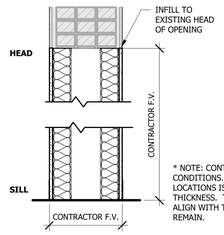
INFILL MASONRY OPENING WITH STORED BRICK MASONRY UNITS FROM NEW OPENINGS CUT INTO EXISTING WALLS - SEE NOTE 32 IN DEMOLITION NOTES. USE TYPE O MORTAR FOR BRICK POINTING FOR USE WITH OLDER MASONRY UNITS. TOOTH MASONRY INFILL INTO ADJACENT EXISTING MASONRY WALLS TO REMAIN.



E1.2
INFILL INTO EXISTING MASONRY OPENING

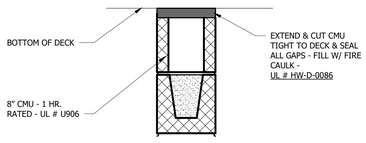
* NOTE: CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS. THE INTENT AT INDICATED INFILL LOCATIONS IS TO MATCH THE EXISTING WALL THICKNESS. THE INTERIOR GYPSUM BOARD IS TO ALIGN WITH THE EXISTING INTERIOR WALL TO REMAIN.

INFILL MASONRY OPENING WITH STORED BRICK MASONRY UNITS FROM NEW OPENINGS CUT INTO EXISTING WALLS - SEE NOTE 32 IN DEMOLITION NOTES. USE TYPE O MORTAR FOR BRICK POINTING FOR USE WITH OLDER MASONRY UNITS. TOOTH MASONRY INFILL INTO ADJACENT EXISTING MASONRY WALLS TO REMAIN.

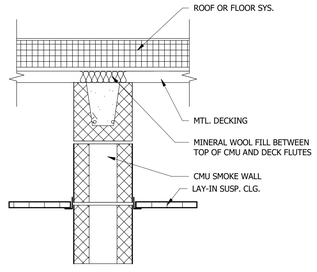


E1.3
INFILL INTO EXISTING DOOR OPENING

* NOTE: CONTRACTOR FIELD VERIFY ALL EXISTING CONDITIONS. THE INTENT AT INDICATED INFILL LOCATIONS IS TO MATCH THE EXISTING WALL THICKNESS. THE INTERIOR GYPSUM BOARD IS TO ALIGN WITH THE EXISTING INTERIOR WALL TO REMAIN.

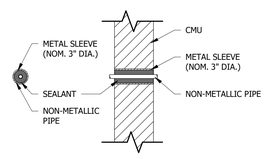


5 HEAD DETAIL @ RATED CMU WALL
1 1/2" = 1'-0"

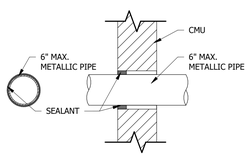


1 TOP OF SMOKE WALL DETAIL
1 1/2" = 1'-0"

PENETRATIONS



SYSTEM NO.
C-AJ-1259



SYSTEM NO.
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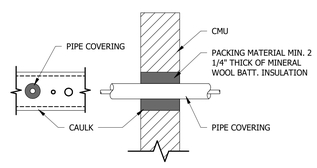
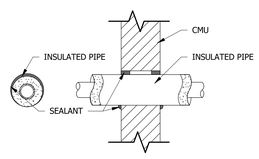


SYSTEM NO.
W-L-8003



SYSTEM NO.
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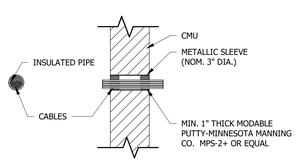
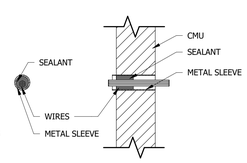


SYSTEM NO.
W-L-3031



SYSTEM NO.
C-AJ-3154

NOTE: ALL PENETRATIONS THROUGH HORIZONTAL ASSEMBLIES, RATED OR NOT, SHALL HAVE ANNULAR SPACE FILLED WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME OR SMOKE

3 PENETRATION DETAILS
1" = 1'-0"

WALL TYPES GENERAL NOTES

1. CEMENT BACKER BOARD SHALL BE USED IN LIEU OF GYPSUM BOARD WHERE WALL TILE IS SCHEDULED, EXCEPT AT RATED PARTITIONS. ALL WET AREAS AND RESTROOMS (WALLS & CEILINGS) SHALL HAVE MOISTURE RESISTANT GYPSUM BOARD.

2. ALL CONSTRUCTION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODE REQUIREMENTS.

3. RUN ALL RATED PARTITIONS TO THE DECK. REFER TO THE LIFE SAFETY AND FLOOR PLANS FOR LOCATIONS.

4. STAGGER OUTLETS AND OTHER ITEMS THAT PENETRATE WALLS MINIMUM 12".

5. RUN GYPSUM BOARD TO DECK AND SEAL WITH APPROVED FIRE SEALANT AT RATED PARTITIONS AND ACOUSTICAL SEALANT AT NON RATED PARTITIONS.

6. IT IS THE INTENT OF THE CONTRACT THAT ALL EXPOSED WALLS AND EXPOSED STRUCTURE BE PAINTED UNLESS NOTED OTHERWISE ON DRAWINGS OR FINISH SCHEDULE.

7. AT ALL GYPSUM BOARD PARTITIONS, PROVIDE CONTROL JOINTS @ 20'-0" O.C. MAXIMUM OR AS NOTED. PROVIDE JOINT REINFORCEMENT.

8. ALL OUTSIDE CORNERS OF GYPSUM BOARD WALLS TO RECEIVE METAL CORNER REINFORCEMENT.

9. SEE DIMENSION PLANS FOR WALL DIMENSIONS, TYP.

10. METAL STUDS SHALL BE SPACED AT 16" O.C. MAXIMUM. METAL STUDS TO BE DESIGNED BY A LICENSED TENNESSEE ENGINEER TO INCLUDE ALL ATTACHMENT CLIPS, SIZES, SPACINGS, AND GAUGES AS RECOMMENDED BY MANUFACTURER & TO INCLUDE ALL APPLICABLE CODES & STANDARDS. CONTRACTOR IS RESPONSIBLE FOR ANY SIZE OR DESIGN CHANGE DUE TO RESIZING OF MEMBERS.
ANY CHANGES THAT AFFECT THE BUILDING DESIGN MUST BE APPROVED BY THE ARCHITECT.

11. ALL EXPOSED STEEL LINTELS TO BE GALVANIZED & PAINTED.

12. AT FIRE RATED WALLS, PROVIDE CONTINUOUS FIRE SEALANT AT TOP AND BOTTOM OF WALL PER MATCHING UL RATING DETAILS.

13. AT EXISTING WALLS AT BUILDING SEPARATIONS, PATCH AND SEAL WITH FIRE SEALANT ANY EXISTING OR NEW PENETRATIONS.

14. ALL GYPSUM BOARD SHALL BE IMPACT RESISTANT AT ALL WALLS UP TO 8'-0" ABOVE FINISHED FLOOR. EXCEPT AT OFFICES AND AUDITORIUM INTERIOR.

Allen&Hoshall
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REGISTERED ARCHITECT
Robert M Minz
1 FEB 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

WALL TYPES

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A0.2

Plotted on: 2/9/2026 8:41:55 AM

ICC PEI LLC

AER-09038

ICC PEI LLC is an accredited **ISO Standard 17065** Product Certifier. This **Assembly Evaluation Report** represents a system that **ICC PEI LLC** has Evaluated. This **Assembly Evaluation Report** in no way implies warranty for these products or relieves **United States Gypsum Company** of their liabilities for their products and this system. This **AER** is an official document if it is within one year of the Initial or Re-Approval date.

Initial Approval	Re-Approved
April, 2009	October; 2021

See all Reports at: www.p-e-i.com

Report Owner
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

Assemblies
USG Shaft Walls, Stair Walls & Corridors

For Evaluation Report Questions
usgAyou@usg.com
USG Support: 800.USG4YOU

Assemblies Evaluated For

1. Non Axial Load Bearing Wall
2. Transverse Load Capacity
3. Fire Resistance
4. Abuse Resistance

Code Compliance

2012 & 2015 International Building Code		
Section 403.2.3	Section 707.3.1	Section 713
Section 703.2	Section 707.3.2	Section 2203
Section 703.3	Section 707.5	Section 708, 1020.1

2018 International Building Code		
Section 403.2.3	Section 707.3.1	Section 713
Section 703.2	Section 707.3.2	Section 2202
Section 703.3	Section 707.5	Section 708, 1020.1

1. **USG Shaft & Stair Walls Systems** meet the requirements of 1-hour, 2-hour, and 3-hour fire resistive rated assemblies when tested in accordance with ASTM E119 and constructed in accordance with the requirements of the applicable UL Design Number (or equivalent).
2. Meets the requirements for structural integrity of exit enclosures and elevator hoist way enclosures for High-Rise Buildings (Section 403.2.3. of the 2012, 2015 and 2018 IBC) when installed in accordance with the abuse resistant assemblies listed on page two (2) of this **Assembly Evaluation Report** (**AER**). Approved abuse resistant assemblies have been tested in accordance with ASTM C1629.

Component Descriptions

USG Shaft & Stair Wall Systems are generally constructed with the following components.

1. J-Runners

The metal framing members used in construction of **USG Shaft & Stair Wall Systems** are manufactured from cold roll-formed light gauge galvanized steel conforming to ASTM A653 SS Grade 33 for 24ga. minimum thickness and ASTM A653 SS Grade 40 for 20ga minimum thickness. The galvanization coating shall be a G40 minimum. The available sizes are 2-1/2-in, 4-in and 6-in deep and a length of 16-ft in 24 or 20 gauge. Position steel J-runners at floor and ceiling with the 1-in leg towards the finished side of the wall. Securely attach the runners to the structure supports as design use describes.

For attachment to steel framed construction install floor and ceiling J-runners and End wall J-Runners or E-Studs, on columns and beams before the steel is fireproofed, except where Z-Clips are used as in UL Design HW-D-0609.

2. Steel Studs

USG Steel C-H and E Studs are manufactured from cold roll-formed light gauge steel conforming to ASTM A653 SS Grade 33 for 25ga thickness and ASTM A653 SS Grade 40 for 20ga minimum thickness. The galvanization coating shall be a G40 minimum. The available sizes are 2-1/2-in, 4-in and 6-in deep and a length of 16-ft in 25 or 20 gauge.

Cut the C-H Studs 3/8-in to 1/2-in shorter than the floor-to-ceiling height. Install C-H Studs interlocked between the SHEETROCK® Brand Gypsum Liner Panels with the liner panels securely engaged. The C-H Studs must have a current evaluation report for use in any **USG** assemblies shown within this report.

Terminations: Install full length steel E-Studs or J-Runners vertically at T-Intersections, corners, door jambs and *Openings:* Frame with vertical E-Stud or J-Runner at vertical edges, horizontal J-runner at head or sill.
Control Joints: Install full length steel E-Stud or J-Runner at edges of control joints, to fully support gypsum panels.
C-H Studs: Based on stud size shown in Table 1 and Figure 7 of this **AER**.

ver 12.0

Component Descriptions *Continued*

3. Gypsum Liner Panels

Tested for Composite Limiting Heights Tables 2, 3, & 4:
Sheetrock® Brand Gypsum Liner Panels- UL Type SLX, a high performance panel that is composed of a non-combustible gypsum core encased in a water resistant 100% recycled **green** face and back paper. Gypsum Liner Panels are a nominal thickness of 1-in x 24-in wide x 8-ft to 14-ft long. Must meet the minimum requirements of ASTM C1396.

Alternatives for UL Fire Resistance:
Sheetrock® Brand Mold Tough™ Gypsum Liner Panels- UL Type SLX feature a non-combustible, moisture and mold-resistant gypsum core encased in moisture and mold-resistant, 100% recycled **blue** face and back papers. Available 1-in thick, 24-in wide and in lengths up to 14-ft. Must meet the minimum requirements of ASTM C1396.
Sheetrock® Brand Glass-Mat Liner Panel- UL Type SLX have a noncombustible, moisture- and mold-resistant gypsum core that is encased in moisture- and mold-resistant glass mat. Available 1-in thick, 24-in wide, and lengths up to 14-ft. Must meet the minimum requirements of ASTM C1658.
Note: All of these panels should be cut 1-in shorter than the floor-to-ceiling height, to allow for the panel to be fitted between the top and bottom J-runners. Where shaft wall height exceeds the length of the liner panel; it must be butted together with meeting factory end cuts. The joints should be staggered and positioned in the upper or lower 1/3 of the wall. Panels must be UL/ULC classified for fire resistance and identified as Type SLX on the UL marking and UL Fire Resistance Directory.

4. Gypsum Wallboard

Tested for Composite Limiting Heights Tables 2, 3, & 4:
Sheetrock® Brand Firecode® C Panels-UL Type C have been tested to generate the shaft/stairwell limiting heights for wall assemblies shown in Figures 1, 2, 3, 4, and 5. Panels are available in 1/2-in and 5/8-in thicknesses, 48-in wide and lengths up to 14-ft. Product must be UL/ULC Classified for fire-rated construction (Type C) and must meet the requirements of ASTM C1396.

Sheetrock® Brand Firecode® X Panels- UL Type SCX have been tested to generate the shaft/stair wall limiting heights for the wall assembly described by Figure 6. Panels are available 5/8-in thick, 48-in or 54-in wide and lengths up to 14-ft. Product must be UL/ULC Classified for fire-rated construction (Type SCX) and must meet the requirements of ASTM C1396.

Alternatives for UL Fire Resistance and/or Abuse Resistance:
Sheetrock® Brand Mold Tough® Gypsum Panels, have a non-combustible, moisture-resistant gypsum core encased in moisture and mold-resistant, 100 percent recycled **green** face and **brown** back paper. Available in **Firecode** - UL Type SCX and **Firecode C** - UL Type C core formulations in the same widths, thicknesses and lengths listed above. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629, Class 2 Impact Rating (Soft Body), Class 1 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type C or Type SCX) and must meet the requirements of ASTM C1396.

Sheetrock® Brand Mold Tough® VHI (Very High Impact) AR (Abuse Resistant) Gypsum Panels- UL Type AR have a non-combustible, moisture-resistant core encased in moisture and mold-resistant, 100 percent recycled **green** face and **brown** back papers. A fiberglass reinforcing mesh is imbedded in the core adjacent to the back paper. Available in **Firecode** core formulation in the same widths, thicknesses, and lengths listed above. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629, Class 3 Impact Rating (Soft Body), Class 3 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type AR) and must meet the requirements of ASTM C1396.

Fiberock® Brand AR (Abuse-Resistant) Interior Panels- UL Type FRX-G are high performance abuse resistant panels. Available panels are 5/8-in thick x 48-in wide and available in lengths up to 12-ft. The panels have been tested for use in abuse resistant assemblies in accordance with ASTM C 1629, Class 3 Impact Rating (Soft Body) and Class 2 Impact Rating (Hard Body). Product must be UL/ULC Classified for fire-rated construction (Type FRX-G) and must meet the requirements of ASTM C1278 as well as ASTM C473.

Tested Abuse Resistant Assemblies:
1. Single layer of **5/8-in Fiberock VHI**- UL Type AR on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 2.
2. Single layer of **5/8-in Sheetrock Firecode Core Face**- UL Type SCX and a single layer of **5/8-in Fiberock VHI**- UL Type AR Base on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 3 and Soft Body Impact Level 2.
3. **Two layers of 5/8-in Fiberock VHI**- UL Type AR on 24-in o.c. 400CH20-34 Studs - Passed ASTM C1629 Hard Body Impact Level 3 and Soft Body Impact Level 2.

Two-Hour Cavity Stair Wall (Non-Load Bearing). See Figure 3
1. A minimum 2-1/2" deep, 24 gauge floor and ceiling J-runners, attached to the structure as described.
2. Apply one (1) layer of 1/2" Sheetrock® Brand **Firecode®** Gypsum Panels (Type C) to each side of the C-H stud. Attach the C-H stud with 1" long Type S screws 12" o.c. in the field and at the edges for a vertical application and 8-in o.c. center for a horizontal
3. A minimum of 2-1/2" deep **USG** C-H studs 25 gauge, spaced 24" o.c., with the H-section of the C-H stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at end walls, the gypsum liner needs to be fastened at the ends with 1-5/8" long Type S screws that are 12" o.c.).
4. 1" thick Sheetrock® Brand Gypsum Liner Panel-UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For Fire Resistance details and construction methods, refer to UL Design #U415 System E and the **USG** installation instructions.

Three-Hour Cavity Shaft Wall (Non-Load Bearing). See Figure 4
1. A minimum 2-1/2" deep 24 gauge floor and ceiling J-runners, attached to the structure as described in the Figure 4.
2. Apply three (3) layers of 5/8" thick Sheetrock® Brand **Firecode®** C Core Gypsum Panels (Type C), vertically or horizontally to the room side of the C-H stud. First layer shall be attached with a 1-in long Type S screw placed 24" o.c. in the field and at the edges when applied vertically, for horizontal applications the screws shall be spaced 16" o.c. The second layer shall be applied with 1-5/8" long Type S screws spaced 24" o.c. when applied vertically or spaced 16" o.c. when the applied horizontally. The Face layer shall be applied with 2-1/4" long Type S screws that are spaced 16" o.c. when the board is applied vertically, and spaced 12" o.c. when the board is applied horizontally. All joints must be staggered a minimum of 24" o.c. from the adjacent layers, where screws are offset a minimum of 6" from the layer below.
3. A minimum 2-1/2" **USG** C-H studs 25 gauge that are spaced 24" o.c., with the H-section of the C-H stud towards the shaft side of the assembly. E-shaped studs may be used for closure panels at the end of walls or columns. (If J-runners are used at end walls, the gypsum liner needs to be fastened at the ends with 1-5/8" Type S screws spaced 12" o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel-UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For Fire Resistance details and construction methods, refer to UL Design #U415 System G and the **USG** installations instructions.

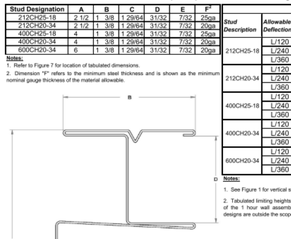


Figure 3 - Two Hour Cavity Stair Wall (Non-Load Bearing)

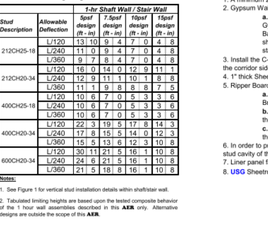


Figure 4 - Three Hour Cavity Shaft Wall (Non-Load Bearing)

Table 3 - Limiting Heights - Shaft Walls with Vertical & Horizontal Stud Orientation[1,2,3]

Stud Description	Allowable Deflection	2-hr Stair Wall: Spsf design (ft - in)	2-hr Stair Wall: 7.5psf design (ft - in)	2-hr Stair Wall: 10psf design (ft - in)	2-hr Stair Wall: 15psf design (ft - in)	2-hr Shaft Wall: Spsf design (ft - in)	2-hr Shaft Wall: 7.5psf design (ft - in)	2-hr Shaft Wall: 10psf design (ft - in)	2-hr Shaft Wall: 15psf design (ft - in)
212CH25-18	L/120	14 | 4	12 | 6	10 | 5	6 | 11	14 | 6	12 | 8	10 | 5	6 | 11
	L/240	11 | 4	9 | 11	9 | 0	6 | 11	11 | 6	10 | 0	9 | 1	6 | 11
	L/360	9 | 11	8 | 8	7 | 10	6 | 10	10 | 0	8 | 9	8 | 0	6 | 11
212CH20-34	L/120	19 | 0	16 | 7	14 | 7	12 | 3	17 | 1	14 | 11	13 | 6	11 | 10
	L/240	14 | 7	12 | 3	10 | 10	9 | 3	13 | 6	11 | 10	10 | 9	9 | 4
	L/360	12 | 3	10 | 4	9 | 3	7 | 10	11 | 10	10 | 4	9 | 4	7 | 10
400CH25-18	L/120	19 | 0	15 | 7	13 | 7	8 | 9	18 | 4	15 | 0	13 | 0	8 | 9
	L/240	17 | 4	14 | 7	12 | 11	8 | 9	16 | 1	14 | 1	12 | 9	8 | 9
	L/360	14 | 7	12 | 3	10 | 11	8 | 9	14 | 1	12 | 4	11 | 2	8 | 9
400CH20-34	L/120	23 | 0	20 | 5	18 | 3	14 | 7	22 | 5	19 | 7	17 | 10	14 | 7
	L/240	21 | 0	17 | 7	15 | 8	13 | 3	19 | 1	16 | 8	15 | 2	13 | 3
	L/360	17 | 7	14 | 11	13 | 3	11 | 3	16 | 8	14 | 7	13 | 3	11 | 7
600CH20-34	L/120	31 | 0	29 | 3	21 | 11	14 | 7	31 | 0	27 | 4	21 | 11	14 | 7
	L/240	28 | 0	23 | 10	21 | 4	14 | 7	25 | 8	22 | 5	20 | 5	14 | 7
	L/360	23 | 10	20 | 5	18 | 3	14 | 7	22 | 5	19 | 7	17 | 10	14 | 7

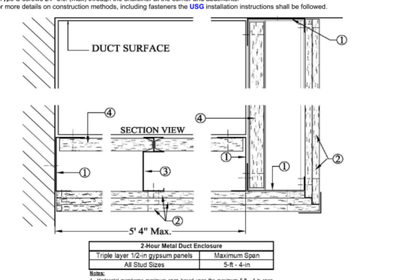
Notes:
1. See Figure 2 and 3 for vertical stud installation details within shaft/stair wall.
2. See Figure 6 for horizontal stud installation details within shaft/stair wall. The horizontal wall width is limited to the length of the Gypsum Liner Panel and only 400CH20-34 and 600CH20-34 steel studs are permitted for horizontal stud installations.
3. Tabulated limiting heights are based upon the tested composite behavior of the 2 hour wall assemblies described in this **AER** only. Alternative designs are outside the scope of this **AER**.

Table 4 - Limiting Heights Vertical Shaft Walls[1,2] - Applicable to Fig. 4 & 5

Stud Description	Allowable Deflection	3-hr Stair Wall: Spsf design (ft - in)	3-hr Stair Wall: 7.5psf design (ft - in)	3-hr Stair Wall: 10psf design (ft - in)	3-hr Stair Wall: 15psf design (ft - in)	3-hr Shaft Wall: Spsf design (ft - in)	3-hr Shaft Wall: 7.5psf design (ft - in)	3-hr Shaft Wall: 10psf design (ft - in)	3-hr Shaft Wall: 15psf design (ft - in)
212CH25-18	L/120	14 | 4	12 | 6	10 | 5	6 | 11	14 | 6	12 | 8	10 | 5	6 | 11
	L/240	11 | 4	9 | 11	9 | 0	6 | 11	11 | 6	10 | 0	9 | 1	6 | 11
	L/360	9 | 11	8 | 8	7 | 10	6 | 10	10 | 0	8 | 9	8 | 0	6 | 11
212CH20-34	L/120	19 | 0	16 | 7	14 | 7	12 | 3	17 | 1	14 | 11	13 | 6	11 | 10
	L/240	14 | 7	12 | 3	10 | 10	9 | 3	13 | 6	11 | 10	10 | 9	9 | 4
	L/360	12 | 3	10 | 4	9 | 3	7 | 10	11 | 10	10 | 4	9 | 4	7 | 10
400CH25-18	L/120	19 | 0	15 | 7	13 | 7	8 | 9	18 | 4	15 | 0	13 | 0	8 | 9
	L/240	17 | 4	14 | 7	12 | 11	8 | 9	16 | 1	14 | 1	12 | 9	8 | 9
	L/360	14 | 7	12 | 3	10 | 11	8 | 9	14 | 1	12 | 4	11 | 2	8 | 9
400CH20-34	L/120	23 | 0	23 | 0	21 | 0	17 | 4	23 | 0	21 | 0	19 | 1	16 | 5
	L/240	21 | 0	17 | 7	15 | 8	13 | 3	19 | 1	16 | 8	15 | 2	13 | 3
	L/360	17 | 7	14 | 11	13 | 3	11 | 3	16 | 8	14 | 7	13 | 3	11 | 7
600CH20-34	L/120	31 | 0	29 | 3	21 | 11	14 | 7	31 | 0	27 | 4	21 | 11	14 | 7
	L/240	28 | 0	23 | 10	21 | 4	14 | 7	25 | 8	22 | 5	20 | 5	14 | 7
	L/360	23 | 10	20 | 5	18 | 3	14 | 7	22 | 5	19 | 7	17 | 10	14 | 7

Notes:
1. See Figure 4 and 5 for vertical stud installation details within shaft/stair wall.
2. Tabulated limiting heights are based upon the tested composite behavior of the 3 hour wall assemblies described in this **AER** only. Alternative designs are outside the scope of this **AER**.

Two Hour Horizontal Gypsum Duct Enclosure. See Figure 10
1. A minimum 2-1/2-in deep 24 gauge J-runners attached horizontally to the perimeter or boundary wall, with power actuated fasteners. Connection of the vertical C-H stud to the top J-runner and connection of the top J-runner to the structure shall be capable of carrying the weight of the duct enclosure and verified by a registered design professional.
2. Apply three (3) layers of 1/2-in Sheetrock® Brand **Firecode®** C Core Gypsum Panels - UL Type C to the underside "ceiling" side of the assembly. The base layer is attached parallel to the C-H studs with 1-in long Type S Screws that are spaced 24-in o.c. in the field and at the edges. The second layer is attached parallel to the C-H studs with 1-5/8-in long Type S screws that are spaced 12" o.c. in the field and edges, with all the joints staggered 24-in o.c. from the base layer. The face layer is applied perpendicular to the C-H studs and attached with 2" long Type S screws spaced 12-in o.c., starting 1-in and 6-in from the paper edge with the butt joints located mid-span between the C-H studs and attached with 1-1/2-in long Type G screws spaced 8-in o.c. and spaced 3-in. on each side of butt joint. Butt joints in the face layer staggered a minimum of 24".
3. Install the C-H studs perpendicular to the J-runners, spacing them 24-in o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum of 1/2-in. long Type S-12 screws, connecting the C-section to the 1-in leg of the J-runner, one on each end. A 2-1/2-in. wide, 30 gauge flat metal strap is attached perpendicular and at the mid-span to the H-section of the C-H stud on the shaft side with 1/2-in. long Type S-12 screws, one at each C-H stud and one screw to the 2-1/4-in. long leg of J-runner at each end.
4. 1-in thick Sheetrock® Brand Gypsum Liner Panel - Friction-fitted in "H" portion of C-H studs and screw attached to the 2-1/4-in leg of the J-runner with 1-5/8-in Type S screws spaced 12-in o.c., spaced 6-in away from C-H stud.
5. Install the boundary wall side of the assembly in accordance with the "Two-Hour Cavity Shaftwall" as shown in Figure 2. Drive 1-5/8" Type S screws 24" o.c. (max) through the shaftliner at the corner and abutments.
6. For more details on construction methods, including fasteners the **USG** installation instructions shall be followed.



2-Hour Metal Duct Enclosure	
Triple layer 1/2-in gypsum panels	Maximum Span
	All Stud Sizes	5-ft - 4-in

Notes:
1. Horizontal membrane maximum span based upon the maximum 5-ft - 4-in span tested in accordance with ASTM E119.
2. J-Runner connection to vertical C-H Stud shall consist of two #8 screws (or equivalent). J-Runner connection to wall/building shall meet the same requirements as the ceiling applications in Figures 8 and 9.

Figure 10 - Two Hour Horizontal Duct Enclosure Assembly and Limiting Span

General Product Usage and Limitations
1. These products shall be installed in accordance with ASTM C 840 *Standard Specification for Application and Finishing of Gypsum Board,* and in accordance with **USG** Application Guide Specifications.
2. The **USG** SHEETROCK® Brand Cavity Shaftwall system is designed to enclose stair walls, elevator shafts, mechanical components and other vertical shafts.
3. For horizontal ceiling and ductwork applications, please see manufacturer's product brochure *SA926 Shaft Wall Systems*.
4. Non-load bearing are limited to fire-resistance only. Structural and other requirements shall be in accordance with pertinent building code and manufacturer's requirements.

Product Labeling
Each assembled **USG** Drywall Shaft Partition System that is covered by this **AER**, must be marked with the following information:

Gypsum Board & Liner Panels:
1. **USG** Name
2. Product Name
3. Plant Identifier & Date Code
4. UL/ULC Classification (or equivalent) label for Firecode Resistance, surface burning characteristics and non-combustibility.

Steel C-H Studs:
1. Each bundle of steel studs contains a label with the steel gauge and yield strength.
2. Each stud is identified at a maximum spacing of 96-in with the manufacturer name, product code, minimum thickness, and yield strength.

Tested to
ICC-ES (Formerly ICBO) AC86 (1995) - Acceptance Criteria for determining limiting height of composite walls constructed of gypsum and steel studs to revision - Date: July, 1995.
ASTM E330-97 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Differences, following procedure A. (Test Reports 2004-0329 B-L were based on this test method)
ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials
ASTM C473-10 - Standard Specification for Gypsum Board, Section 5 Gypsum Wallboard, Predecorated Gypsum Board and Laminated Gypsum Wallboard.
ASTM C1278-17 - Standard Specification for Fiber-Reinforced Gypsum Panel.
ASTM C1629-06 - Standard Classification for Abuse-Resistant Nondecorated Interior Gypsum Panel Products and Fiber-Reinforced Cement Panels.

Product Documentation
An Assembly Evaluation Service Agreement between *Per* **Evaluation Service®** and **United States Gypsum Company**
USG Drywall Shaft Partition System Product Installation Guidelines - SA926-USA-ENG - Revised: 2/2017
Various Test Reports, Opinion Letters, & Third Party Product Listings Used as Verification of Fire Resistance, Abuse Resistance, and Transverse Load Capacity
Various Engineering Calculations for Limiting Heights and Horizontal Spans.

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. **U937**

March 17, 2023

Bearing Wall Rating — 2 or 4 Hr. (See Item #1)
Nonbearing Wall Rating — 2 or 4 Hr. (See Item #1)
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

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Horizontal Section

1. **Concrete Blocks*** — Nominal 8 by 8 by 16 in. or 12 by 8 by 16 in. concrete blocks. Classification 2 hr. and 4 hr.
CAROLINA BLOCK LLC — 8x8x16 Bottom Ash Fire Block, 12x8x16 Bottom Ash Fire Block

2. **Mortar** — Blocks laid in full bed of Type S mortar, nom. 3/8 in. thick. Vertical joints staggered.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2023-03-17

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Two-Hour Cavity Stair Wall (Non-Load Bearing). See Figure 5
1. A minimum 2-1/2" deep 24 gauge floor and ceiling J-runners attached to the structure as described above.
2. Apply two (2) layers of 5/8" thick Sheetrock® Brand **Firecode®** C Core Gypsum Panels (Type C), vertically or horizontally to the "room" side of the C-H stud, and one (1) layer over the flange of the "H" section of the stud. The Base layer on the "room" side and the single layer of the "shaft" side shall be attached with a 1" long Type S screw spaced 24" o.c. in the field and at the edges when installed vertically, or 16" o.c. when installed horizontally. The face layer on the "room" side shall be attached with 1-5/8" long Type S steel screws spaced 16" o.c. when installed vertically, or 12" o.c. when installed horizontally with screws offset 6" from the base layer. Vertical joints are centered over the studs and staggered 24" o.c. on adjacent layers. Horizontal joints on adjacent layers are staggered a minimum of 12" o.c.
3. A minimum 2-1/2" deep **USG** C-H Stud 25 gauge spaced 24" o.c., where the H-section of the C-H stud faces the shaft. E-shaped studs may be used for closure panels at the end of the walls or columns. (If J-runners are used at end walls, the gypsum liner should be fastened at the ends with a 1-5/8" long Type S screw, spaced 12" o.c.)
4. 1" thick Sheetrock® Brand Gypsum Liner Panel - UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. For Fire Resistance details and construction methods, refer to UL Design #U415 System H and the **USG** installation instructions.

Two-Hour Horizontal Stud Shaft Wall Assembly (Non-Load Bearing). See Figure 6
1. A minimum 4" deep 20 gauge J-runner to be installed vertically, on the ends of the wall.
2. Apply two (2) layers of 5/8" thick Sheetrock® Brand **Firecode®** Core Gypsum Panels - UL Type SCX, AR, or FGX-G vertically or horizontally to the room side of the C-H stud, with 1" long Type S screws spaced 12" o.c. in the field and at the edges for the BASE layer. The FACE layer shall be installed with 1-5/8" long Type S screws spaced 8" o.c. All joints must be staggered a minimum of 24" from the adjacent layers.
3. A minimum 4" deep **USG** C-H stud or E Studs 20 gauge, are to be installed horizontally with the "C" section of the studs facing down. Studs cut to length to allow a 3/8" to 1/2" maximum gap at each end of the wall. As an option, the studs may be screw attached to the side J-Runners with (4) total 1/2" long pan head Type S screws. One at each end of the stud on each side of the wall.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel- UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Horizontal Stud Wall Assembly - The wall width is limited to the length of the Gypsum Liner Panel.
6. For Fire Resistance details and construction methods, refer to UL Design #U437 and the **USG** installation instructions.

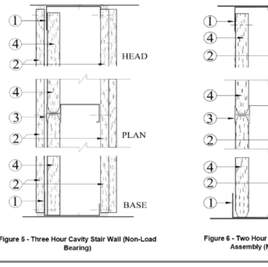


Figure 5 - Three Hour Cavity Stair Wall (Non-Load Bearing)

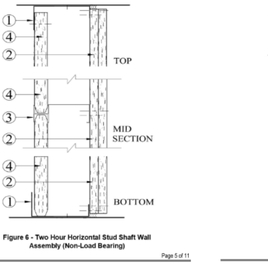
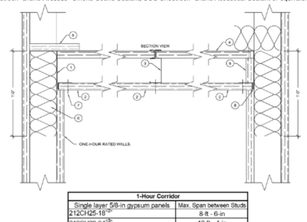


Figure 6 - Two Hour Horizontal Stud Shaft Wall Assembly (Non-Load Bearing)

One-Hour Corridor Assembly, See Figure 8
1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall Board:
   a. For a one (1) hour assembly: Attach one (1) layer of 5/8" thick Sheetrock® Brand Panel - UL Type C, SCX, AR or FRX-G to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runners. Use 1" long Type S screws that are spaced 12" o.c. in the field and at the edges.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum of 1/2" long Type S-12 screws, one on each side.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel - UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   a. Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1" thick Sheetrock® Brand Gypsum Liner Panel - UL Type SLX.
   b. As an alternative you can use mineral fiber insulation to prevent exposure to the top leg of the J-runner that forms the ceiling.
   c. Where the wall section extends above the corridor ceiling, above corridor height a rip of board must be used to cap the opening between studs and a strip of mineral fiber insulation as described in item 6 must be used.
6. In order to prevent the passage of heat and gases, a 12" minimum long strip of mineral fiber insulation must be used to fill in the stud cavity of the walls.
7. Liner panel fastened to J section with 1-5/8" Type S screw @ 12" o.c.
8. **USG** Sheetrock® Brand **Firecode®** Smoke-Sound Sealant, USG Sheetrock® Brand Acoustical Sealant or equivalent.



1-Hour Corridor	
Single layer 5/8-in gypsum panels	Max. Span between Studs
212CH25-18[1]	8-ft - 6-in
212CH20-34[1,2]	10-ft - 4-in
400CH25-18[1,2]	9-ft - 3-in
400CH20-34[1,2]	14-ft - 11-in
600CH20-34[1,2]	20-ft - 10-in

Notes:
1. Based on L/240 allowable deflection, full length studs only at 24-in o.c.max spacing and JR24 runner. Calculated allowing for gypsum panel and framing weight only.
2. J-Runner connection to wall/building must meet or exceed 133-lbs capacity at every stud location (24-in o.c.).
3. J-Runner connection to wall/building must meet or exceed 368-lbs capacity at every stud location (24-in o.c.).
4. C-H studs are not designed to carry live loads, mechanical equipment or provide material storage area. See USG SA926.

Figure 8 - One Hour Corridor Assembly and Limiting Spans

Two Hour Corridor Assembly, See Figure 9
1. A minimum 2-1/2" deep 24 gauge J-runner attached horizontally to perimeter or boundary walls with a power actuated fasteners.
2. Gypsum Wall Board:
   a. For a two (2) hour assembly: Attached two (2) layers of minimum 1/2" thick Sheetrock® Brand Firecode® C Core Gypsum Panels (Type C) to the underside of the "Corridor Ceiling" of the C-H stud and the perimeter J-runner for the Base layer, use a 1" long Type S screw that is spaced 24" o.c. along the perimeter and the edges. The Face layer should be applied with a 1-5/8" long Type S screw that is spaced 12" o.c. in the field and perimeter. All joints must be staggered a minimum of 24" o.c. from the adjacent layer.
3. Install the C-H studs perpendicular to the J-runner spaced 24" o.c. with the C-section of the C-H stud facing downward towards the corridor side of the assembly with two (2) screws a minimum of 1/2" long Type S-12 screws, one on each side.
4. 1" thick Sheetrock® Brand Gypsum Liner Panel - UL Type SLX Friction-fitted in "H" portion of C-H studs.
5. Ripper Board:
   a. Where the liner panel (item 4) is cut short to be installed, gaps must be filled by using a strip of 1" thick Sheetrock® Brand Gypsum Liner Panel - UL Type SLX.
   b. As

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Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States
BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

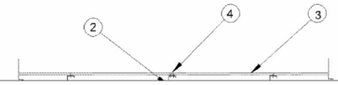
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. V450

November 14, 2025

Nonbearing Wall Rating — 1, 2 or 2-1/2 Hr (See Items 1, 2, 3 through 3G, 3K)
*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



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metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. For a 2 hour rating, use with Items 3A through 3F, proprietary channel shaped, min. 1-5/8 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. For a 2-1/2 hour rating, use with Item 3F, proprietary channel shaped, min. 2-1/2 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC max. Gypsum board may be applied vertically or horizontally as described in Items 3 through 3F.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK™

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

2. **Framing Members* — Steel Studs —** For a 1 hour rating, use with Items 3 through 3K only, proprietary channel shaped studs, min. 3-5/8 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. For a 2-1/2 hour rating, use with Item 3F only, proprietary channel shaped studs, min. 2-1/2 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. For a 2 hour rating, use with Items 3A through 3I only, proprietary channel shaped studs, min. 1-5/8 in. wide, fabricated from min. 0.0150 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. Gypsum boards may be applied vertically or horizontally as described in Items 3 through 3I.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD™

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

3. **Gypsum Board* —** For 1 Hour rating, one layer of 5/8 in. thick gypsum board applied vertically to studs with #6 x 1-1/4 in. long bugle head screws spaced 8 in. OC at the perimeter and 12 in. OC in the field of the

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3A. **Gypsum Board* —** (As an alternate to Item 3) — For 1 Hour Rating, one layer of 5/8 in. thick gypsum board applied vertically to studs with #6 x 1 in. long bugle head screws spaced 8 in. OC at the perimeter and in the field of the boards. Vertical joints are staggered from vertical joints on opposite sides of the wall. For 1 Hour Rating, one layer of 5/8 in. thick gypsum board applied horizontally to studs with #6 x 1 in. long bugle head screws spaced 8-1/2 in. OC at the perimeter and in the field of the boards with the last two screws installed 1 and 2-1/2 in. from the edges of the boards . Vertical butt joints are staggered from vertical butt joints on opposite sides of the wall. Horizontal joints need not to be staggered on opposite sides of the wall or backed by steel framing. For 2 Hour Rating (Not Shown), two layers of 5/8 in. thick gypsum board applied horizontally. Base layer of board attached to studs with #6 x 1 in. long bugle head screws spaced 16 in. OC. starting 8 in. from the edge of the board with one screw 1-1/4 in. from the edge. Face layer of board attached to studs with #6 x 1-5/8 in. long bugle head screws spaced 16 in. OC. Starting 8 in. from the edge of the board with one screw 1-1/4 in. from the edge. Horizontal joints on the face layer are staggered 12 in. from the base layer. Horizontal joints need not to be backed by steel framing.

UNITED STATES GYPSUM CO — Type SCX
USG BORAL DRYWALL SFZ LLC — Type SCX

3B. **Gypsum Board* —** (As an alternate to Item 3) — For 1 hr rating (Vertical application) — One layer of 5/8 in. thick gypsum board applied vertically to studs with #6 x 1-1/4 in. long bugle head screws spaced 8 in. OC at the perimeter and 12 in. OC in the field of the boards. Vertical joints are centered over studs and staggered from vertical joints on opposite sides of the wall. For 2 hr rating (Vertical application - Not shown) - Two layers of 5/8 in. thick gypsum board applied vertically. Inner layer attached to studs with #6 x 1 in. long bugle head screws spaced 12 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges. Outer layer attached to studs with #6 x 1-5/8 in. long bugle head screws spaced 16 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges with screws offset 8 in. from inner layer. Vertical joints are centered over studs and staggered between layers and on opposite sides of the wall. For 2 hr rating (Horizontal application) - Two layers of 5/8 in. thick gypsum board applied horizontally. Inner layer attached to studs with #6 x 1 in. long Type S bugle head screws spaced 24 in. OC with the 1st screw installed 1-1/4 in. from the board edge and to the track only spaced 24 in. OC. Outer layer attached to studs with 1-5/8 in. long Type S bugle head screws spaced 16 in. OC with the 1st and 2nd screws installed 1-1/4 in. and 8 in. from the board edge, respectively; and to the track only spaced 16 in. OC. Horizontal joints on the face layer are staggered 12 in. from the base layer. Horizontal joints need not to be backed by steel framing.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSL, FSMR-C, FSW, FSW-3, FSW-6, FSW-8, FSW-C

3C. **Gypsum Board* —** Deleted
CERTAINTEED GYPSUM INC — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD

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#6 x 1 in. long bugle head screws spaced 24 in. OC along the top and bottom tracks and 24 in. OC in the field and along the vertical edges. Outer layer attached to studs with #6 x 1-5/8 in. long bugle head screws spaced 16 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges. Vertical joints are centered over studs and staggered between layers and on opposite sides of the wall.
GEORGIA-PACIFIC GYPSUM L L C — Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

3E. **Gypsum Board* —** (As an alternate to 5/8 in. Type FSW in Item 3B) — Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Two layers of 5/16 in. for every single layer of 5/8 in. gypsum board described in Item 3B. Horizontal joints on the same side need not be staggered. Inner layer of each double 5/16 in. layer attached with fasteners, as described in item 3B, spaced 24 in. OC. Outer layer of each double 5/16 in. layer attached per Item 3B.
NATIONAL GYPSUM CO — Type FSW

3F. **Gypsum Board* —** (As an alternate to Item 3) — For 1 Hour Rating — One layer of 5/8 in. thick, 4 ft. wide, gypsum board applied vertically to studs with #6 x 1 in. long bugle head screws spaced 8 in. OC at the perimeter, starting 4 in. from the edge of the boards, and 12 in. OC in the field of the boards, starting 6 in. from the edge of the board. Vertical joints are staggered from vertical joints on opposite sides of the wall. For 2 or 2-1/2 Hour Rating - (Not Shown) - Two layers of 5/8 in. thick, 4 ft. wide, gypsum board applied vertically. Inner layer attached with #6 x 1 in. long bugle head screws spaced 12 in. OC along the top and bottom tracks with one screw located 6 in. from each edge of the board and 16 in. OC along the studs with one screw located 8 in. from one edge of the board. Outer layer attached with #6 x 1-5/8 in. long bugle head screws spaced 12 in. OC along the top and bottom tracks with one screw located 1-1/2 in. from each edge of the board and 16 in. OC along the studs with one screw located 8 in. from one edge of the board as to offset the face layer screws 8 in. from the base layer screws. Vertical joints are centered over studs and staggered between layers and on opposite sides of the wall.
AMERICAN GYPSUM CO — Types AGX-1, M-Glass, LightRoc

3G. **Gypsum Board* —** (As an alternate to Item 3) — For 1 Hour Rating — One layer of 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges. Gypsum panels applied vertically or horizontally with joints centered over studs. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. When applied horizontally, gypsum panels fastened to framing with 1 in. long Type S or S-12 steel screws 1-1/2 in. from board edges, 3 in. from board edge, every 8 in. OC in the field, and 12 in. along the top and bottom edges of the wall. When applied vertically, gypsum panels fastened to framing with 1 in. long Type S or S-12 steel screws every 8 in. OC in the field and 12 in. along the top and bottom edges of the wall. For 2 hr rating - (Not Shown) - Two layers of 5/8 in thick, 4ft wide, gypsum board applied vertically or horizontally Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints to be staggered between layers and on opposite side of wall. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints between layers to be staggered a min of 12 in. For vertical application of gypsum board, base layer to be fastened with 1 in. screws spaced 12 in. OC and face layer to be fastened with 1-5/8 in. screws spaced 12 in. OC. For horizontal application of gypsum board, base layer to be fastened with screws spaced 16 in. OC and face layer to be fastened with 1-5/8 in. screws spaced 16 in. OC. In either vertical or horizontal applications, Type S or Type S-12 steel screws are to be used.
CGC INC — Type ULIX

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screws spaced 16 in. OC. In either vertical or horizontal applications, Type S or Type S-12 steel screws are to be used.
CERTAINTEED GYPSUM INC — Type X-I, GlasRoc, Type Silent FX

3H. **Gypsum Board* —** (As an alternate to Items 3 through 3G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC.
NATIONAL GYPSUM CO — Type SBWB

3I. **Gypsum Board* —** Deleted

3J. **Gypsum Board* —** (As an alternate to Item 3) — For 1 hr rating (Vertical application) — One layer of 5/8 in. thick gypsum board applied vertically to studs with #6 x 1 in. long bugle head screws spaced 8 in. OC at the perimeter and 12 in. OC in the field of the boards. Vertical joints are centered over studs and staggered from vertical joints on opposite sides of the wall. For 2 hr rating (Vertical application - Not shown) - Two layers of 5/8 in. thick gypsum board applied vertically. Inner layer attached to studs with #6 x 1 in. long bugle head screws spaced 24 in. OC along the top and bottom tracks and 24 in. OC in the field and along the vertical edges. Outer layer attached to studs with #6 x 1-5/8 in. long bugle head screws spaced 16 in. OC along the top and bottom tracks and 16 in. OC in the field and along the vertical edges. Vertical joints are centered over studs and staggered between layers and on opposite sides of the wall.
CERTAINTEED GYPSUM INC — Type C

3K. **Gypsum Board* —** (As an alternate to Item 3) — For 1 Hour Rating — One layer of 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges. Gypsum panels applied vertically or horizontally with joints centered over studs. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Gypsum panels fastened to framing with 1 in. long Type S or S-12 steel screws every 12 in. OC in the field and perimeter when applied vertically or horizontally. For 2 hr rating - (Not Shown) - Two layers of 5/8 in thick, 4ft wide, gypsum board applied vertically or horizontally Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints to be staggered between layers and on opposite side of wall. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints between layers to be staggered a min of 12 in. For vertical application of gypsum board, base layer to be fastened with 1 in. screws spaced 12 in. OC and face layer to be fastened with 1-5/8 in. screws spaced 12 in. OC. For horizontal application of gypsum board, base layer to be fastened with screws spaced 16 in. OC and face layer to be fastened with 1-5/8 in. screws spaced 16 in. OC. In either vertical or horizontal applications, Type S or Type S-12 steel screws are to be used.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSL, FSMR-C, FSW, FSW-3, FSW-6, FSW-8, FSW-C

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studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSMR-C

3M. **Gypsum Board* —** Deleted

3N. **Gypsum Board* —** (As an alternate to Item 3, for 1 hr. rating) — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications.
CERTAINTEED GYPSUM INC — Type X-I, SilentFX, GlasRoc, Type C

4. **Joint Tape and Compound —** Vinyl or casein, dry or premixed joint compound applied in two coats to outer layer joints and screw heads. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints.

5. **Batts and Blankets* —** (Optional, Not Shown) — Friction fit in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Fire Resistance.

See **Batts and Blankets** (BZJZ) for names of Classified companies.

6. **Framing Members* — Resilient Channels —** (Optional, Not Shown) — Resilient furring channels fabricated from min. 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. flange portion attached to each intersecting stud with 1/2 in. long Type S-12 panhead steel screws.
CLARKDIETRICH BUILDING SYSTEMS — Type RCSD, RCUR

7. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping). Gypsum Board (Item 3) to be installed directly over the Barrier Mesh using

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CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

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Last Updated on 2025-11-14

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1 V450
1/8" = 1'-0"

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- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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XHBN - Joint Systems
XHBN7 - Joint Systems Certified for Canada

See General Information for Joint Systems

See General Information for Joint Systems Certified for Canada

System No. HW-D-0086

August 04, 2014

ANSI/UL2079	CAN/ULC S115
Assembly Ratings — 1, 2, 3 and 4 Hr (See Items 3 and 4)	F Ratings — 1, 2, 3 and 4 Hr (See Items 3 and 4)
Nominal Joint Widths —1, 1-1/2 and 2 In. (See Item 3)	FT Ratings — 1, 2, 3 and 4 Hr (See Items 3 and 4)
L Rating At Ambient — Less Than 1 CFM/Lin Ft	FH Ratings — 1, 2, 3 and 4 Hr (See Items 3 and 4)
L Rating At 400°F — Less Than 1 CFM/Lin Ft	FTH Ratings — 1, 2, 3 and 4 Hr (See Items 3 and 4)
Class II Movement Capabilities - 19 ,40 or 50% Compression and Extension (See Item 3)	Nominal Joint Widths —25.4, 38 and 51 mm (See item 3)
	L Rating At Ambient — Less Than 1 CFM/Lin Ft
	L Rating At 400°F — Less Than 1 CFM/Lin Ft
	Class II Movement Capabilities - 19, 40 or 50%

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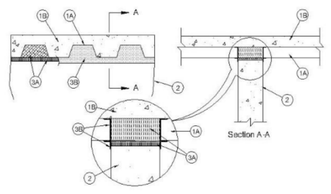

1. **Floor Assembly —** The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the floor assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The floor assembly shall include the following construction features:

A. **Steel Floor And Form Units* —** Max 3 in. (76 mm) deep galv steel fluted floor units.

B. **Concrete —** Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly —** (Not Shown) — As an alternate to the floor assembly (Item 1), a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly fire rating of the roof assembly shall be equal to or greater than the hourly fire rating of the wall assembly. The roof assembly shall include the following construction features:

A. **Steel Roof Deck —** Max 3 in. (76 mm) deep galv steel fluted roof deck.

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of the wall is 7-5/8 in. Wall may also be constructed of any UL Classified **Concrete Blocks***. See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. **Joint System — Max separation between bottom of floor or roof and top of wall (at time of installation of joint system) is 2 in. (51 mm) for 1 and 2 hr ratings and 1 in. (25 mm) for 3 and 4 hr ratings. The joint system is designed to accommodate a max 40 percent compression or extension from its installed width for 1 and 2 hr ratings. The joint system is designed to accommodate a max 50 percent compression or extension from its installed width up to 1-1/2in. (38 mm) joints for 1 and 2 hr ratings. The joint system is designed to accommodate max 19 percent compression or extension from its installed width for 3 and 4 hr ratings.** The joint system consists of a forming material and a fill material, as follows:

A. **Forming Material* —** Sections of min 4 pcf (64 kg/m^3) density mineral wool batt insulation cut to the width of the wall and inserted between the top of the wall and the valleys of the steel deck, compressed approx 50 percent in thickness beneath each valley. Additional pieces of mineral wool batt cut to the shape of the steel deck flute, stacked to a thickness approx 1 in. (25 mm) greater than the overall thickness of the wall and installed in the flutes above the wall. Mineral wool in flutes to be compressed approx 14 percent in thickness such that it is flush with each surface of the wall.
Johns Manville Corporation — MinWool-1200 Safing

ROCK WOOL MANUFACTURING CO — Delta Board

ROCKWOOL MALAYSIA SDN BHD — Safe

ROCKWOOL — Safe

THERMAFIBER/OWENS CORNING — SAF

A1. **Forming Material* —** (Optional, Not Shown) - Preformed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes above the ceiling channel. The plugs shall project beyond each side of the ceiling runner and shall be recessed from both wall surfaces to accommodate the required thickness of fill material (Item 3B). Additional forming material, described in item 3A, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and bottom of steel deck.
THERMAFIBER/OWENS CORNING — TopStop mineral wool deck plugs Type SAF batts

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wall.
SPECIFIED TECHNOLOGIES INC — SpecSeal AS200 Elastomeric Spray

4. **Through Penetrant —** (Optional, Not Shown) - Max one penetrant per flute to be installed parallel and centered within the flutes of the steel deck. Penetrants installed with a min annular space of 1/2 to 1-2/ in. in. (13-38 mm) between the penetrant and the steel deck. Penetrant to be rigidly supported on both sides of wall assembly. The following types and sizes of penetrants may be used:

A. **Conduit —** Nom 1/2 in. diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit.

B. **Conduit —** Nom 1-1/2 in. diam (or smaller) Schedule 40 PVC conduit.

C. **Polyvinyl Chloride (PVC) Pipe —** Nom 1-1/2 in. (38 mm) diam (or smaller) Schedule 40 solid or cellular core PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

D. **Chlorinated Polyvinyl Chloride (CPVC) Pipe —** Nom 1-1/2 in. (38 mm) diam (or smaller) SDR17 SDR13.5 CPVC pipe for use in closed (process or supply) piping systems.

When steel conduit or EMT (Item 4A) is installed in flute of steel deck, the hourly rating of the joint system is 1 hr. When nonmetallic penetrates (Items 4B, 4C and 4D) are installed in flute of steel deck, the hourly rating of the joint system is equal to the hourly fire rating of the wall assembly up to a max of 2 hr.

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1/8" = 1'-0"

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ROBERT MICHAEL THOMAS
REGISTERED ARCHITECT
Robert M Thomas
2/6/2026
No. 104494
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FIRE RATED ASSEMBLY DESIGN DETAILS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A0.5

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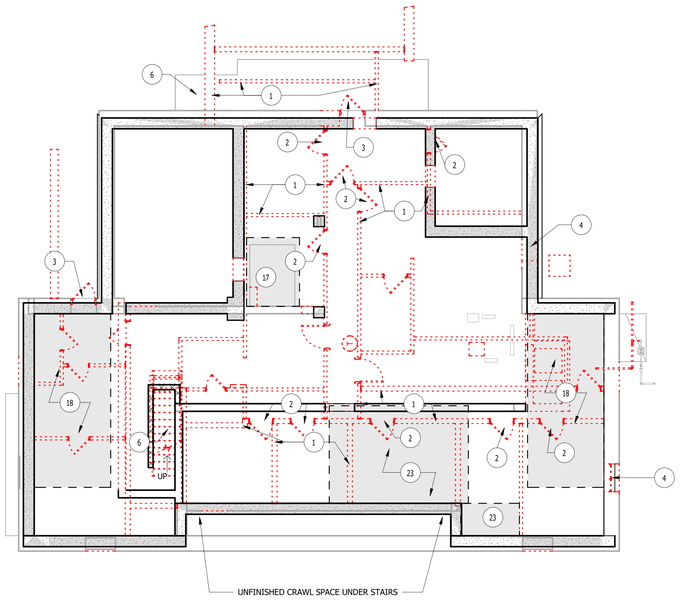
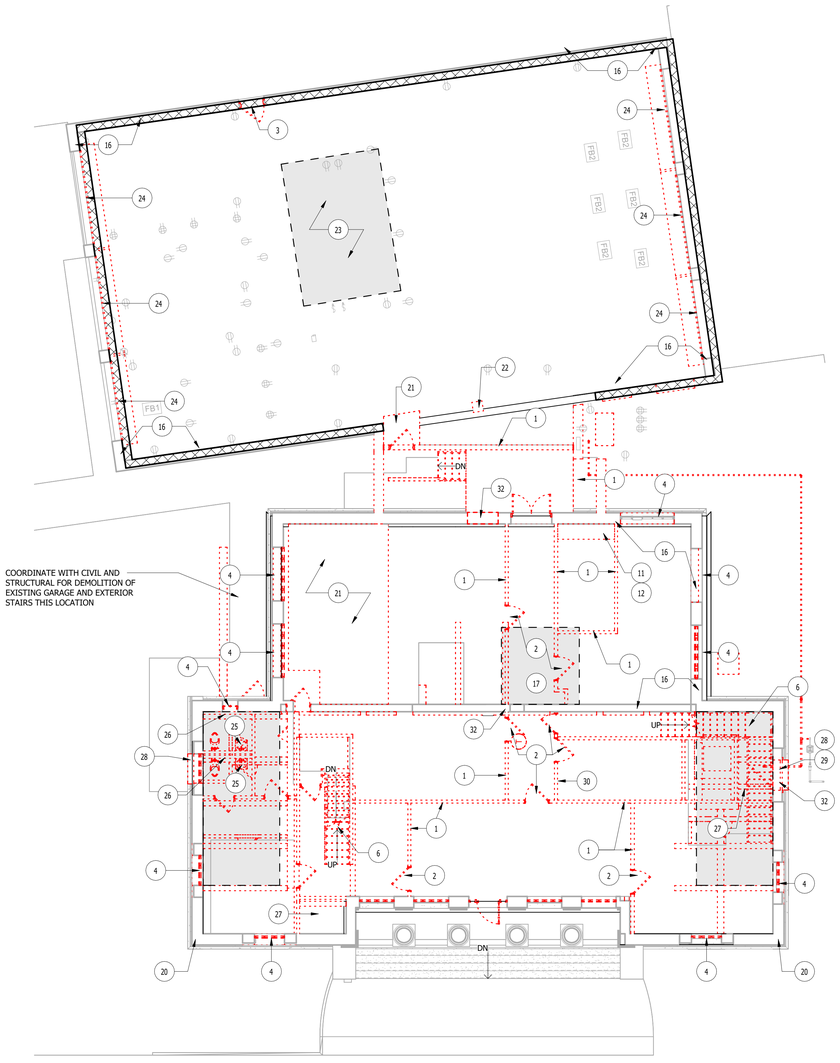


2 DEMOLITION PLAN - BASEMENT LEVEL
1/8" = 1'-0"



1 DEMOLITION PLAN - GROUND FLOOR
1/8" = 1'-0"

DEMOLITION LEGEND

NO WORK IN THIS AREA

SAWCUT AND REMOVE PORTION OF EXISTING SLAB THIS LOCATION.

NOTE: DASHED LINES INDICATE AREAS OR ITEMS TO BE DEMOLISHED

1. REMOVE EXISTING WALL AND ALL ASSOCIATED ITEMS
2. REMOVE EXISTING DOOR AND FRAME
3. REMOVE EXISTING DOOR AND FRAME; INFILL EXISTING DOOR OPENING AND PREPARE SURFACES FOR NEW FINISHES - REFER TO RENOVATION PLANS FOR INFILL THIS LOCATION.
4. REMOVE EXISTING WINDOW; PREPARE ALL SURFACES FOR NEW WINDOWS
5. REMOVE PORTION OF EXISTING WALL AS DIMENSIONED TO CREATE AN OPENING PER NEW PLANS; AT MASONRY OPENINGS, PROVIDE A CLEAN CUT AND TOOTH IN NEW MASONRY AS REQUIRED.
6. REMOVE EXISTING STAIRS, RAILS, AND ALL ASSOCIATED ITEMS. COORDINATE WITH STRUCTURAL FOR TEMPORARY REINFORCEMENT DURING THE WORK OF DEMOLITION AND FOR NEW REINFORCEMENT OR SUPPORT OF INFILL SLAB IN LOCATIONS WHERE STAIRS WERE REMOVED.
7. REMOVE EXISTING FLOORING AND BASE AS REQUIRED FOR NEW WALL. PREP FOR NEW FINISHES
8. REMOVE EXISTING COUNTERTOPS AND ALL CASEWORK THIS AREA
9. REMOVE CEILING TILE, GRID, LIGHT FIXTURES, EQUIPMENT, & ACCESSORIES, PREP FOR NEW CEILING
10. REMOVE GYP. CEILING, LIGHT FIXTURES, EQUIPMENT, & ACCESSORIES. PREP FOR NEW CEILING
11. REMOVE EXISTING SINK & COUNTERTOP - PREP. FOR NEW FIXTURES, SEE PLUMBING
12. REMOVE EXISTING KITCHEN EQUIPMENT
13. REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES
14. IN EXISTING LOBBY SPACE, IT IS THE DESIGN INTENT TO PRESERVE ORIGINAL FINISHES FROM THIS SPACE, INCLUDING EXISTING WOOD WAINSCOTING, EXISTING CROWN MOLDING, AND CEILING. IF REMOVAL OF ANY OF THESE FINISHES IS REQUIRED, CLEAN / REFINISH, AND STORE MATERIALS AS REQUIRED FOR REINSTALLATION IN RENOVATED SPACE.
15. REMOVE ALL PLUMBING FIXTURES & TOILET ACCESSORIES. CAP ALL PLUMBING
16. CLEAN AND PREP. EXISTING WALLS FOR NEW FINISHES. REPAIR ANY DAMAGED FINISHES TO REMAIN.
17. IN LOCATION OF NEW ELEVATOR TO BE INSTALLED, REMOVE PORTION OF EXISTING SLAB AS REQUIRED AND EXCAVATE BELOW SLAB FOR THE INSTALLATION OF ELEVATOR PIT AND FOOTINGS. COORDINATE WITH STRUCTURAL.
18. EXISTING CONCRETE SLAB HAS A STEP UP FROM ADJACENT SLAB. SAWCUT AND REMOVE EXISTING SLAB THIS LOCATION AND PREPARE FOR NEW FLOOR SLAB TO BE INSTALLED - COORDINATE WITH STRUCTURAL.
19. SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS INDICATED TO INSTALL NEW FOOTINGS FOR NEW STEEL COLUMNS. COORDINATE WITH STRUCTURAL.
20. EXISTING DRAIN LEADERS FROM ROOF GUTTER ABOVE RUN THROUGH WALL IN THESE LOCATIONS. THE DESIGN INTENT IS TO RELOCATE DRAIN LEADERS IN THE NEW CHASE SPACE BEHIND TOILET 202 AND TOILET 221. COORDINATE WITH PLUMBING FOR NEW RAIN LEADER LOCATIONS AND SAW CUT EXISTING SLAB AS REQUIRED TO ALLOW RAIN LEADERS TO RUN THROUGH SLAB AT THESE LOCATIONS - COORDINATE WITH STRUCTURAL.
21. EXISTING CONCRETE SLAB HAS A STEP UP FROM ADJACENT SLAB. REMOVE EXISTING STEP, PATCH AND REPAIR FLOOR SLAB AS REQUIRED TO PROVIDE A LEVEL SURFACE.
22. REMOVE EXISTING CONCRETE COLUMN - COORDINATE WITH STRUCTURAL FOR TEMPORARY SHORING AND PREPARATION FOR FUTURE COLUMNS, AND BEAM SUPPORT.
23. SAWCUT EXISTING SLAB IN THIS LOCATION FOR BELOW SLAB PLUMBING - COORDINATE WITH PLUMBING
24. REMOVE EXISTING OVERHEAD DOOR AND ALL ASSOCIATED ELEMENTS THIS LOCATION. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES.
25. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING LAVATORIES FROM THESE SPACES. CLEAN AND PREPARE FOR REINSTALLATION IN NEW TOILETS PER RENOVATION DRAWINGS.
26. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING MARBLE WAINSCOTTING AND TOILET PARTITIONS. COORDINATE WITH FINISH PLAN AND FINISH SCHEDULE FOR REUSE IN RENOVATED SPACE.
27. REMOVE EXISTING SAFE THIS LOCATION.
28. REMOVE EXISTING WINDOW AND PORTION OF EXISTING WALL THIS LOCATION AS REQUIRED TO CREATE AN OPENING PER NEW PLANS; AT MASONRY OPENING, PROVIDE A CLEAN CUT AND TOOTH IN NEW MASONRY AS REQUIRED.
29. EXISTING WINDOW IN THIS LOCATION HAS BEEN REMOVED AND BRICKED IN. REMOVE BRICK INSET PANEL AND PREPARE ALL SURFACES TO RECEIVE NEW WINDOW IN EXISTING OPENING.
30. REMOVE ELECTRICAL PANEL AND ALL ASSOCIATED ITEMS - COORDINATE WITH ELECTRICAL.
31. IN LOCATION OF NEW ELEVATOR TO BE INSTALLED, AND ELEVATOR LOBBY, REMOVE A PORTION OF THE EXISTING ROOF THIS LOCATION AND PREPARE ALL SURFACES FOR NEW STRUCTURAL FRAMING AND NEW WALLS, FLOOR, AND FINISHES - SEE STRUCTURAL
32. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, REMOVE ALL EXCESS MORTAR AND DEBRIS, AND STORE EXISTING MASONRY AT LOCATIONS WHERE NEW OPENING HAS BEEN INDICATED. CLEAN AND PREPARE FOR REINSTALLATION IN LOCATIONS REQUIRING INFILL AND/OR REPAIR.

DEMO GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
2. CONTRACTOR TO NOTIFY OWNER IF SUSPECTED ASBESTOS IS FOUND.
3. CONTRACTOR SHALL RETAIN ALL REQUIRED EGRESS PASSAGES AND EMERGENCY LIGHTING THROUGHOUT THE DURATION OF THE WORK.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS TO PREVENT UNAUTHORIZED ACCESS TO CONSTRUCTION AREAS DURING THE DURATION OF THE WORK.
5. REMOVAL OF ANY PARTITION SHALL NOT EXPOSE THE FLOOR TO AN UNPROTECTED STATE. REPAIR AND/OR REPLACE AS REQUIRED.
6. REFER TO M/P/E, STRUCTURAL, & CIVIL SHEETS FOR ADDITIONAL INFORMATION.
7. TOOTH ALL MASONRY INTO NEW OPENINGS.
8. PATCH & REPAIR ANY DAMAGED WALLS AND FLOORING. PREP FOR NEW FINISHES.
9. REPLACE ANY CEILING TILES DAMAGED DURING DEMOLITION.
10. IF EXISTING ITEMS IN WORKING ORDER PRIOR TO DEMOLITION ARE DAMAGED DURING CONSTRUCTION AND ARE TO BE REUSED, THE ITEM(S) SHALL BE RESTORED TO WORKING ORDER AND FINISHED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
11. ANY FINISHES, EQUIPMENT, FURNISHINGS, ETC. THAT ARE DAMAGED OR MISPLACED/LOST DURING THE COURSE OF THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
12. WHERE NO WORK IS TO TAKE PLACE, THE CONTRACTOR SHALL PROTECT ALL EXISTING FURNISHINGS AND FINISHES THROUGHOUT DEMOLITION AND RENOVATION WORK.
13. ANY DAMAGE TO EXISTING CURBS, WALKS, PAVING, UTILITIES, FENCING, OR EXTERIOR STRUCTURES AND OTHER ITEMS INDICATED TO REMAIN SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
14. DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.
15. G.C. TO VERIFY LOCATIONS OF EXISTING UTILITIES SO AS TO NOT DAMAGE EXISTING SERVICES.
16. WHERE EXIST. CMU WALLS ARE BEING PARTIALLY DEMOLISHED, EXISTING CMU TO REMAIN SHALL BE CLEANED, MADE SMOOTH, & PREPPED FOR NEW FINISHES.

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ROBERT MICHAEL THUNZ REGISTERED ARCHITECT 1 October 2026 No. 101460 STATE OF TENNESSEE

WINCHESTER CITY HALL

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WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

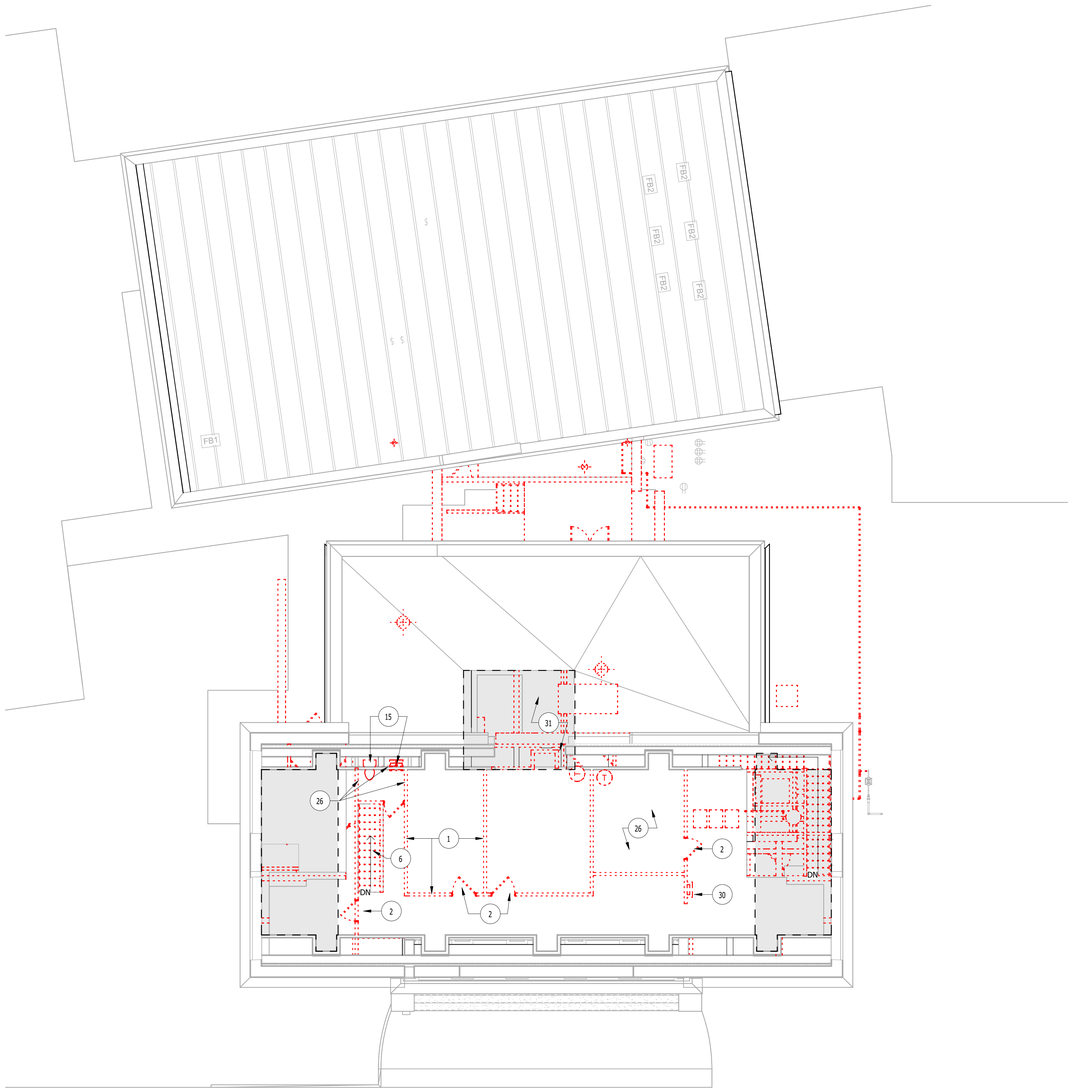
No.	Revision Description	Date

DEMOLITION PLAN - BASEMENT AND GROUND FLOOR

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

AD1.0

Plotted on: 2/6/2026 3:23:10 PM



1 **DEMOLITION PLAN - SECOND FLOOR**
1/8" = 1'-0"

DEMO GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
2. CONTRACTOR TO NOTIFY OWNER IF SUSPECTED ASBESTOS IS FOUND.
3. CONTRACTOR SHALL RETAIN ALL REQUIRED EGRESS PASSAGES AND EMERGENCY LIGHTING THROUGHOUT THE DURATION OF THE WORK.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BARRIERS TO PREVENT UNAUTHORIZED ACCESS TO CONSTRUCTION AREAS DURING THE DURATION OF THE WORK.
5. REMOVAL OF ANY PARTITION SHALL NOT EXPOSE THE FLOOR TO AN UNPROTECTED STATE. REPAIR AND/OR REPLACE AS REQUIRED.
6. REFER TO M/P/E, STRUCTURAL, & CIVIL SHEETS FOR ADDITIONAL INFORMATION.
7. TOOTH ALL MASONRY INTO NEW OPENINGS.
8. PATCH & REPAIR ANY DAMAGED WALLS AND FLOORING. PREP FOR NEW FINISHES.
9. REPLACE ANY CEILING TILES DAMAGED DURING DEMOLITION.
10. IF EXISTING ITEMS IN WORKING ORDER PRIOR TO DEMOLITION ARE DAMAGED DURING CONSTRUCTION AND ARE TO BE REUSED, THE ITEM(S) SHALL BE RESTORED TO WORKING ORDER AND FINISHED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
11. ANY FINISHES, EQUIPMENT, FURNISHINGS, ETC. THAT ARE DAMAGED OR MISPLACED/LOST DURING THE COURSE OF THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
12. WHERE NO WORK IS TO TAKE PLACE, THE CONTRACTOR SHALL PROTECT ALL EXISTING FURNISHINGS AND FINISHES THROUGHOUT DEMOLITION AND RENOVATION WORK.
13. ANY DAMAGE TO EXISTING CURBS, WALKS, PAVING, UTILITIES, FENCING, OR EXTERIOR STRUCTURES AND OTHER ITEMS INDICATED TO REMAIN SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
14. DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.
15. G.C. TO VERIFY LOCATIONS OF EXISTING UTILITIES SO AS TO NOT DAMAGE EXISTING SERVICES.
16. WHERE EXIST. CMU WALLS ARE BEING PARTIALLY DEMOLISHED, EXISTING CMU TO REMAIN SHALL BE CLEANED, MADE SMOOTH, & PREPPED FOR NEW FINISHES.

DEMOLITION LEGEND

NO WORK IN THIS AREA

SAWCUT AND REMOVE PORTION OF EXISTING SLAB THIS LOCATION.

NOTE: DASHED LINES INDICATE AREAS OR ITEMS TO BE DEMOLISHED

1. REMOVE EXISTING WALL AND ALL ASSOCIATED ITEMS
2. REMOVE EXISTING DOOR AND FRAME
3. REMOVE EXISTING DOOR AND FRAME; INFILL EXISTING DOOR OPENING AND PREPARE SURFACES FOR NEW FINISHES - REFER TO RENOVATION PLANS FOR INFILL THIS LOCATION.
4. REMOVE EXISTING WINDOW; PREPARE ALL SURFACES FOR NEW WINDOWS
5. REMOVE PORTION OF EXISTING WALL AS DIMENSIONED TO CREATE AN OPENING PER NEW PLANS; AT MASONRY OPENINGS, PROVIDE A CLEAN CUT AND TOOTH IN NEW MASONRY AS REQUIRED.
6. REMOVE EXISTING STAIRS, RAILS, AND ALL ASSOCIATED ITEMS. COORDINATE WITH STRUCTURAL FOR TEMPORARY REINFORCEMENT DURING THE WORK OF DEMOLITION AND FOR NEW REINFORCEMENT OR SUPPORT OF INFILL SLAB IN LOCATIONS WHERE STAIRS WERE REMOVED.
7. REMOVE EXISTING FLOORING AND BASE AS REQUIRED FOR NEW WALL. PREP FOR NEW FINISHES
8. REMOVE EXISTING COUNTERTOPS AND ALL CASEWORK THIS AREA
9. REMOVE CEILING TILE, GRID, LIGHT FIXTURES, EQUIPMENT, & ACCESSORIES, PREP FOR NEW CEILING
10. REMOVE GYP. CEILING, LIGHT FIXTURES, EQUIPMENT, & ACCESSORIES. PREP FOR NEW CEILING
11. REMOVE EXISTING SINK & COUNTERTOP - PREP. FOR NEW FIXTURES, SEE PLUMBING
12. REMOVE EXISTING KITCHEN EQUIPMENT
13. REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES
14. IN EXISTING LOBBY SPACE, IT IS THE DESIGN INTENT TO PRESERVE ORIGINAL FINISHES FROM THIS SPACE, INCLUDING EXISTING WOOD WAINSCOTING, EXISTING CROWN MOLDING, AND CEILING. IF REMOVAL OF ANY OF THESE FINISHES IS REQUIRED, CLEAN / REFINISH, AND STORE MATERIALS AS REQUIRED FOR REINSTALLATION IN RENOVATED SPACE.
15. REMOVE ALL PLUMBING FIXTURES & TOILET ACCESSORIES. CAP ALL PLUMBING
16. CLEAN AND PREP. EXISTING WALLS FOR NEW FINISHES. REPAIR ANY DAMAGED FINISHES TO REMAIN.
17. IN LOCATION OF NEW ELEVATOR TO BE INSTALLED, REMOVE PORTION OF EXISTING SLAB AS REQUIRED AND EXCAVATE BELOW SLAB FOR THE INSTALLATION OF ELEVATOR PIT AND FOOTINGS. COORDINATE WITH STRUCTURAL.
18. EXISTING CONCRETE SLAB HAS A STEP UP FROM ADJACENT SLAB. SAWCUT AND REMOVE EXISTING SLAB THIS LOCATION AND PREPARE FOR NEW FLOOR SLAB TO BE INSTALLED - COORDINATE WITH STRUCTURAL.
19. SAWCUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB AS INDICATED TO INSTALL NEW FOOTINGS FOR NEW STEEL COLUMNS. COORDINATE WITH STRUCTURAL.
20. EXISTING DRAIN LEADERS FROM ROOF GUTTER ABOVE RUN THROUGH WALL IN THESE LOCATIONS. THE DESIGN INTENT IS TO RELOCATE DRAIN LEADERS IN THE NEW CHASE SPACE BEHIND TOILET 202 AND TOILET 221. COORDINATE WITH PLUMBING FOR NEW RAIN LEADER LOCATIONS AND SAW CUT EXISTING SLAB AS REQUIRED TO ALLOW RAIN LEADERS TO RUN THROUGH SLAB AT THESE LOCATIONS - COORDINATE WITH STRUCTURAL.
21. EXISTING CONCRETE SLAB HAS A STEP UP FROM ADJACENT SLAB. REMOVE EXISTING STEP, PATCH AND REPAIR FLOOR SLAB AS REQUIRED TO PROVIDE A LEVEL SURFACE.
22. REMOVE EXISTING CONCRETE COLUMN - COORDINATE WITH STRUCTURAL FOR TEMPORARY SHORING AND PREPARATION FOR FUTURE COLUMNS, AND BEAM SUPPORT.
23. SAWCUT EXISTING SLAB IN THIS LOCATION FOR BELOW SLAB PLUMBING - COORDINATE WITH PLUMBING
24. REMOVE EXISTING OVERHEAD DOOR AND ALL ASSOCIATED ELEMENTS THIS LOCATION. PREPARE ALL SURFACES TO RECEIVE NEW FINISHES.
25. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING LAVATORIES FROM THESE SPACES. CLEAN AND PREPARE FOR REINSTALLATION IN NEW TOILETS PER RENOVATION DRAWINGS.
26. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING MARBLE WAINSCOTTING AND TOILET PARTITIONS. COORDINATE WITH FINISH PLAN AND FINISH SCHEDULE FOR REUSE IN RENOVATED SPACE.
27. REMOVE EXISTING SAFE THIS LOCATION.
28. REMOVE EXISTING WINDOW AND PORTION OF EXISTING WALL THIS LOCATION AS REQUIRED TO CREATE AN OPENING PER NEW PLANS; AT MASONRY OPENING, PROVIDE A CLEAN CUT AND TOOTH IN NEW MASONRY AS REQUIRED.
29. EXISTING WINDOW IN THIS LOCATION HAS BEEN REMOVED AND BRICKED IN. REMOVE BRICK INSET PANEL AND PREPARE ALL SURFACES TO RECEIVE NEW WINDOW IN EXISTING OPENING.
30. REMOVE ELECTRICAL PANEL AND ALL ASSOCIATED ITEMS - COORDINATE WITH ELECTRICAL.
31. IN LOCATION OF NEW ELEVATOR TO BE INSTALLED, AND ELEVATOR LOBBY, REMOVE A PORTION OF THE EXISTING ROOF THIS LOCATION AND PREPARE ALL SURFACES FOR NEW STRUCTURAL FRAMING AND NEW WALLS, FLOOR, AND FINISHES - SEE STRUCTURAL
32. CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, REMOVE ALL EXCESS MORTAR AND DEBRIS, AND STORE EXISTING MASONRY AT LOCATIONS WHERE NEW OPENING HAS BEEN INDICATED. CLEAN AND PREPARE FOR REINSTALLATION IN LOCATIONS REQUIRING INFILL AND/OR REPAIR.

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1 FEBRUARY 2026
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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DEMOLITION PLAN - SECOND FLOOR

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

AD1.1

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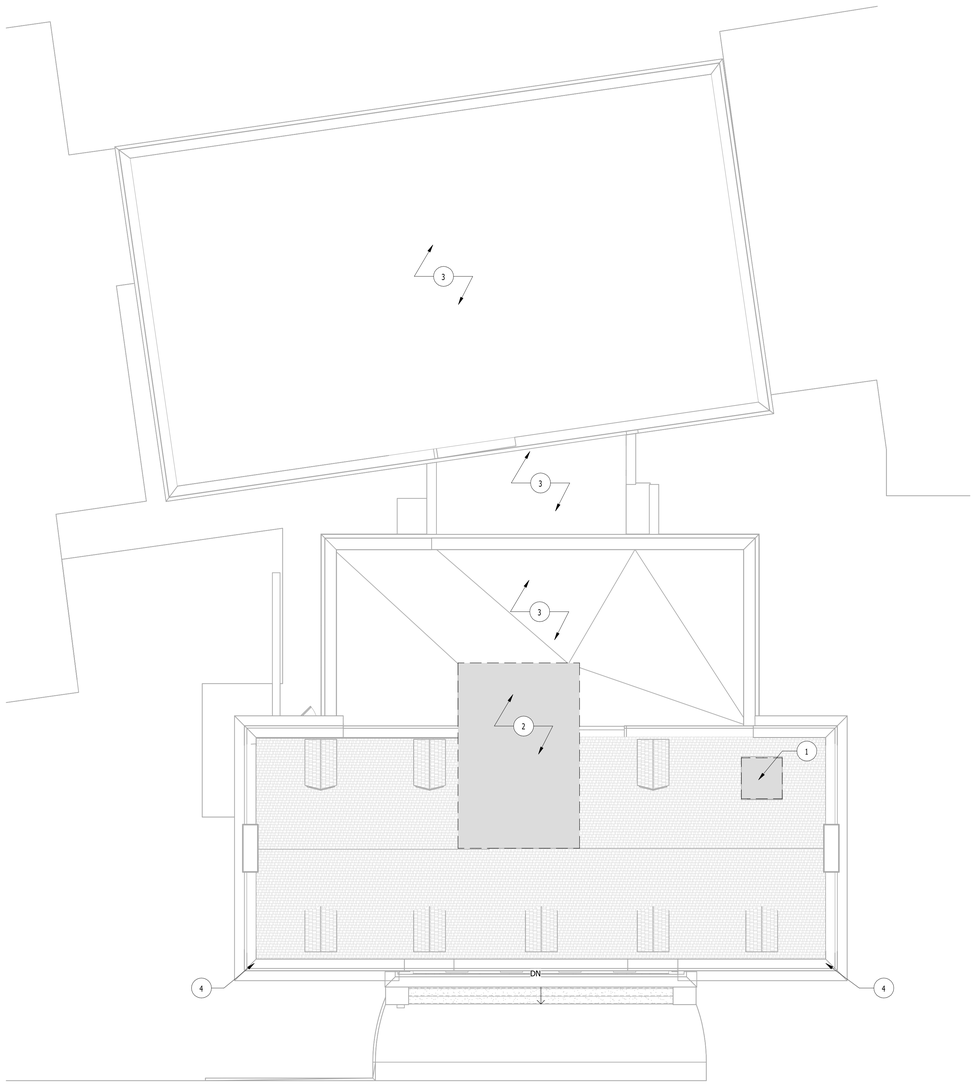

1 **DEMOLITION - ROOF PLAN**
1/8" = 1'-0"

DEMOLITION LEGEND

NO WORK IN THIS AREA

SAWCUT AND REMOVE PORTION OF EXISTING SLAB THIS LOCATION.

NOTE: DASHED LINES INDICATE AREAS OR ITEMS TO BE DEMOLISHED

1. DEMOLISH EXISTING CHIMNEY AND ALL ASSOCIATED ELEMENTS. INFILL OPENING WITH NEW STRUCTURAL MEMBERS AND SHEATHING - COORDINATE WITH STRUCTURAL. PREPARE SURFACES TO RECEIVE NEW SLATE ROOFING TO MATCH EXISTING.
2. DEMOLISH PORTION OF EXISTING ROOF AT THIS LOCATION TO CREATE NEW ELEVATOR LOBBY - COORDINATE WITH STRUCTURAL.
3. REMOVE EXISTING MEMBRANE ROOFING, INSULATION, AND ALL ASSOCIATED ELEMENTS DOWN TO EXISTING DECK TO REMAIN. CONTRACTOR TO EXTEND ALL ROOF DRAINS, VENTS, CURBS, AND OTHER ROOF MOUNTED ELEMENTS AS REQUIRED. PREPARE ALL SURFACES FOR NEW INSULATION AND MEMBRANE ROOFING.
4. AT EXISTING DOWNSPOUT LOCATION, DRAIN LINE HAS PREVIOUSLY LEAKED INTO INTERIOR FINISH SPACE. CONTRACTOR PERFORM EXPLORATORY TEST TO VERIFY CONDITION OF EXISTING SCUPPER, PIPE, AND DOWNSPOUT LEADER FOR WATERTIGHTNESS.

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DEMOLITION ROOF PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

AD4.1

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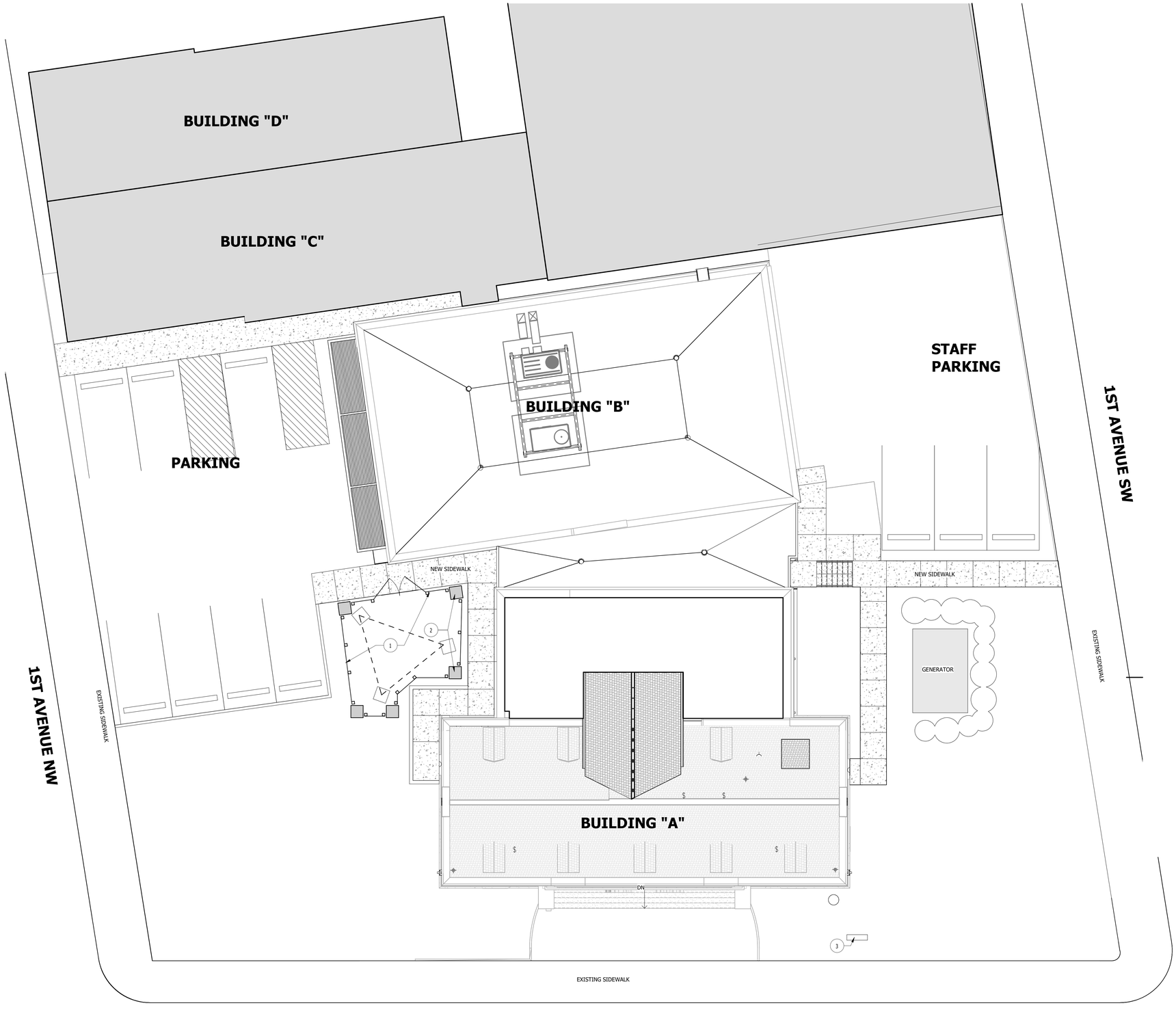
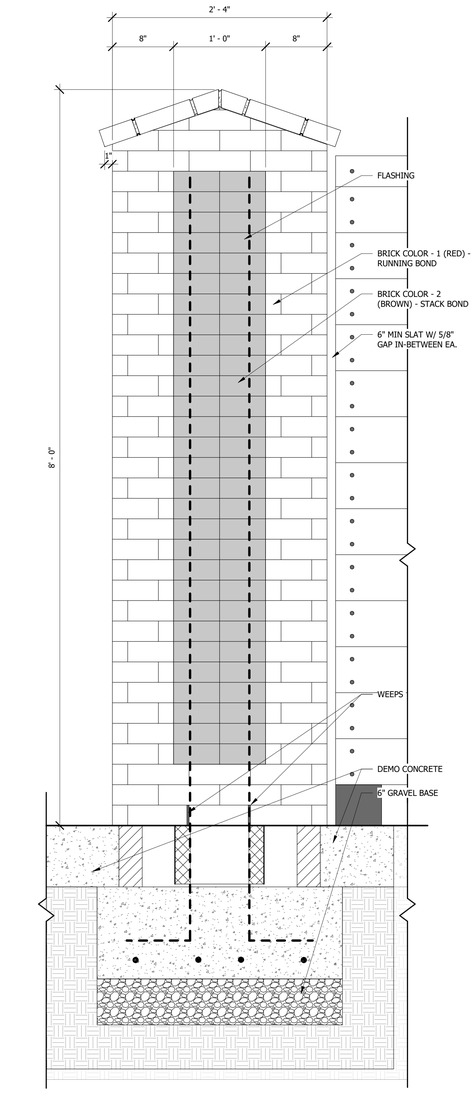
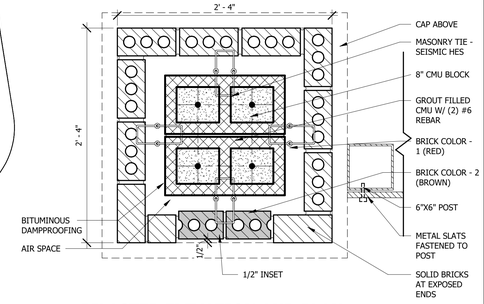


1 ARCHITECTURAL SITE PLAN
1/8" = 1'-0"

PLAN NOTES LEGEND

1	NEW MECHANICAL SCREEN WALL. SEE DETAIL 2/A1.O
2	DEMO CONCRETE AROUND EACH COLUMN LOCATION AND PREPARE SUBSTRATE TO RECEIVE NEW CONCRETE.
3	GROUND MOUNTED LIGHTING FOR BUILDING ILLUMINATION WITH TIMER.





2 PILASTER ELEVATION AND PLAN
1 1/2" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

ARCHITECTURAL SITE PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A1.0

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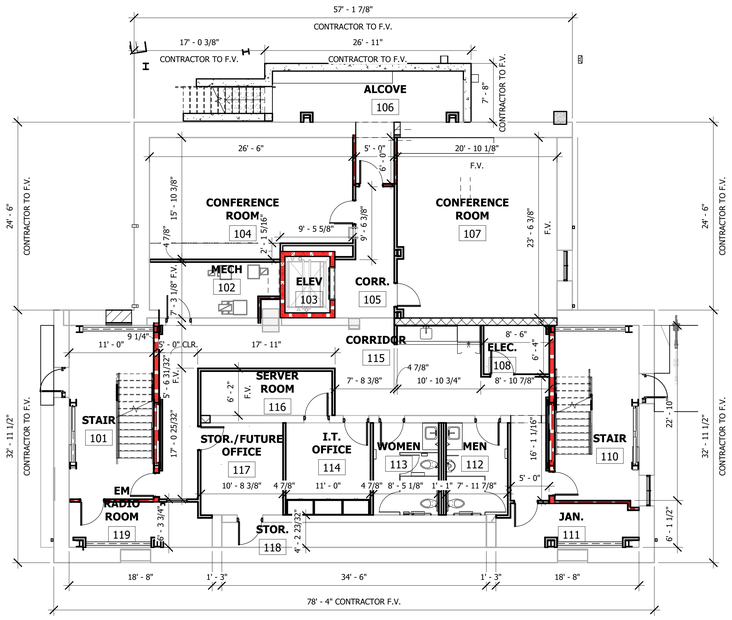
NOTE:
PRIOR TO BEGINNING ANY WORK, CONTRACTOR IS TO FIELD VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS.



1 DIMENSIONED PLAN - BASEMENT LEVEL
1/8" = 1'-0"

2 DIMENSIONED PLAN - GROUND FLOOR
1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

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CITY OF WINCHESTER, TENNESSEE

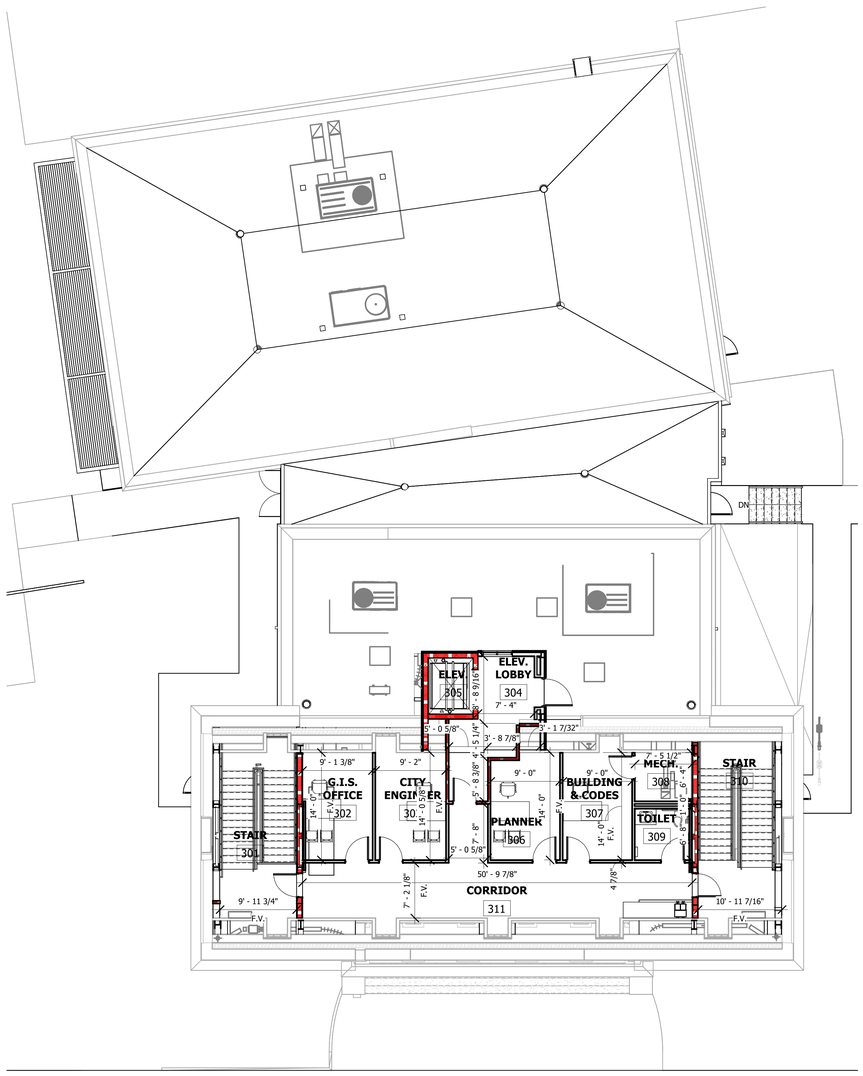
No.	Revision Description	Date

DIMENSIONED FLOOR PLANS - BASEMENT & GROUND FLOOR LEVELS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A1.1

Plotted on: 2/9/2026 8:33:20 AM



1 DIMENSIONED FLOOR PLAN - SECOND LEVEL

1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

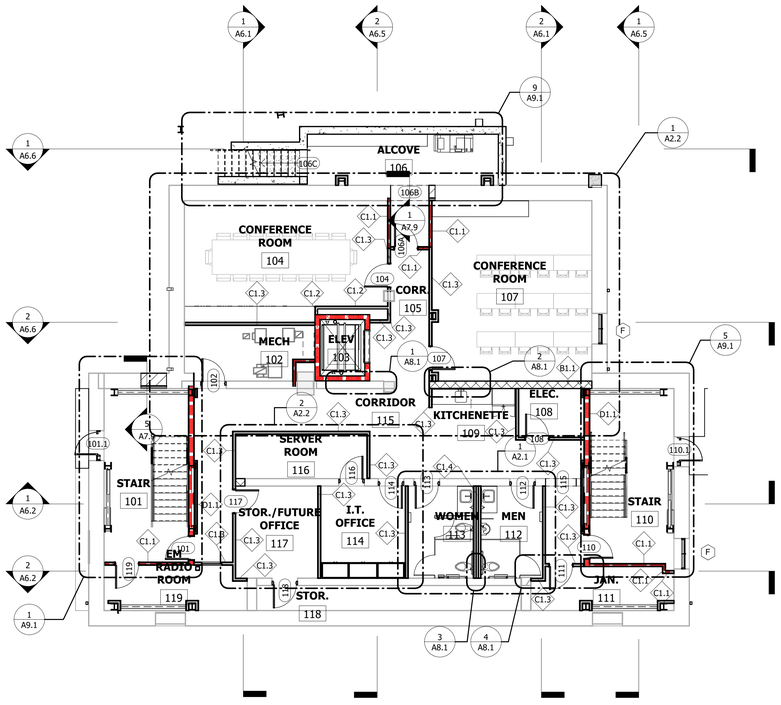
DIMENSIONED FLOOR PLAN - SECOND LEVEL

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

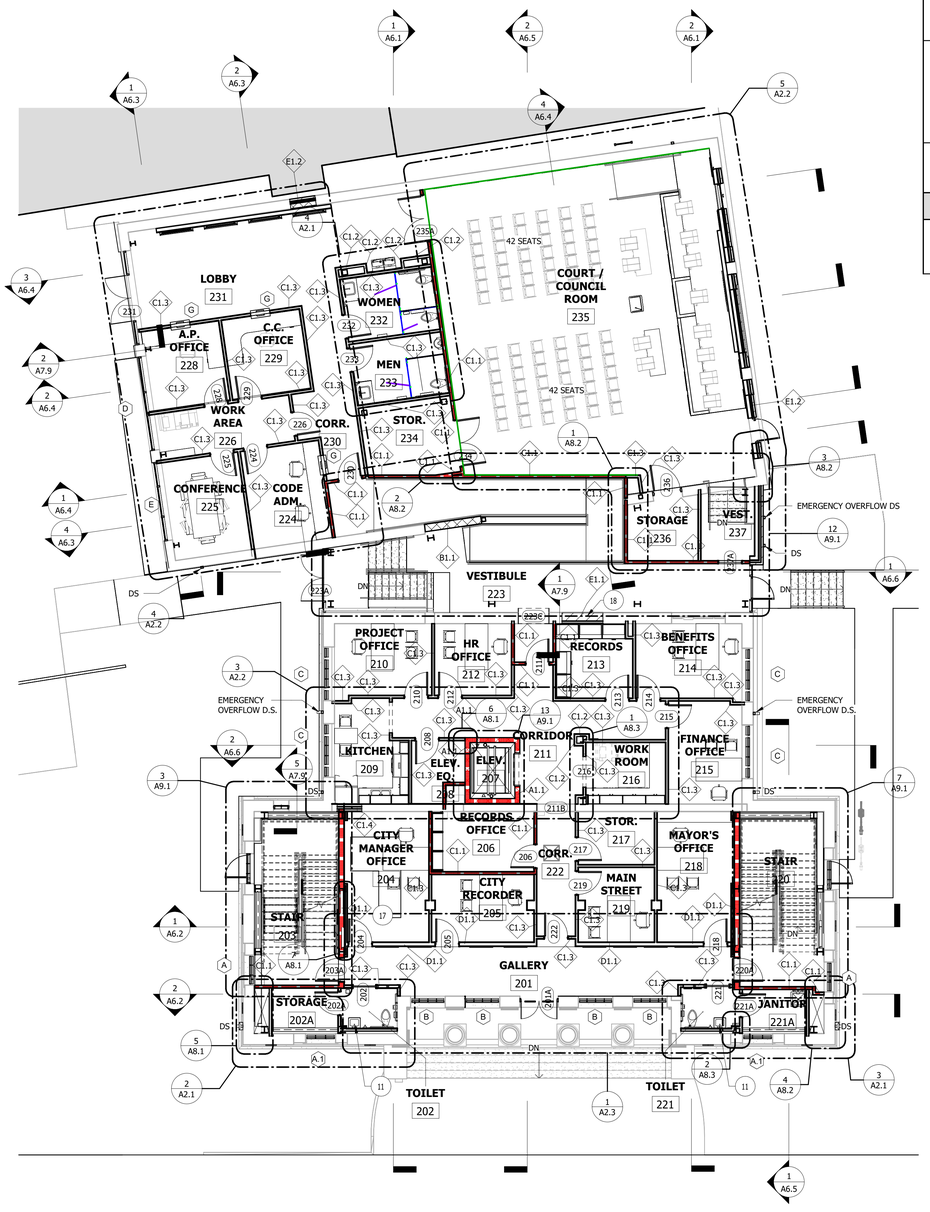
A1.2

Plotted on: 2/6/2026 3:42:54 PM

NOTE: FURNITURE IS SHOWN FOR REFERENCE ONLY - ALL FURNITURE IS TO BE OWNER PROVDED AND INSTALLED



1 BASEMENT LEVEL
1/8" = 1'-0"



2 GROUND FLOOR
1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

PLAN NOTES LEGEND

1. NEW WALL (PAINT) - SEE WALL TYPES.
2. NEW DOOR IN EXISTING OPENING - SEE DOOR SCHEDULE.
3. NEW WINDOW IN EXISTING OPENING - SEE WINDOW TYPES.
4. NEW STEEL PAN STAIRS - COORDINATE WITH STRUCTURAL.
5. NEW PLASTIC LAMINATE CASEWORK WITH SOLID SURFACE COUNTERTOP - COORDINATE WITH FINISH SCHEDULE.
6. NEW PLASTIC LAMINATE CASEWORK - COORDINATE WITH FINISH SCHEDULE.
7. REINSTALL EXISTING CROWN MOLDING, WOOD WAINSCOTTING, AND ALL PRESERVED FINISHES IN THIS SPACE.
8. NEW ELEVATOR - COORDINATE WITH STRUCTURAL, ELECTRICAL, AND PLUMBING.
9. NEW ROOF DRAIN LEADERS - RUN DOWN THROUGH NEW CHASE SPACE - SEE PLUMBING.
10. NEW CAST-IN-PLACE CONCRETE RAMP AND STAIRS - COORDINATE WITH STRUCTURAL.
11. REINSTALL EXISTING PRESERVED LAVATORIES IN NEW TOILETS - COORDINATE WITH PLUMBING.
12. NEW ALUMINUM STOREFRONT ENTRY SYSTEM - COORDINATE WITH DOOR SCHEDULE.
13. ALL EXTERIOR WOOD OR PLASTER ELEMENTS ARE TO BE PATCHED AND REPAINTED (TO INCLUDE, BUT NOT LIMITED TO CORNICE, COLUMNS, SOFFIT, AND INFILL WALLS AT WINDOW AND DOOR OPENINGS).
14. NEW METAL STUD INFILL WITH BRICK VENEER.
15. NEW PREFINISHED METAL CANOPY (ABOVE) - SEE A3.2, CANOPY PLANS.
16. CONCRETE WALK - COORDINATE WITH CIVIL.
17. LINE IN FLOOR INDICATES AREA OF NEW INFILL FLOORING AT LOCATION OF EXISTING STAIRS TO BE REMOVED - COORDINATE WITH STRUCTURAL.
18. INFILL MASONRY OPENING WITH STORED BRICK MASONRY UNITS FROM NEW OPENINGS CUT INTO EXISTING WALLS - SEE NOTE 32 IN DEMOLITION NOTES. USE TYPE O MORTAR FOR BRICK POINTING FOR USE WITH OLDER MASONRY UNITS. TOOTH MASONRY INFILL INTO ADJACENT EXISTING MASONRY WALLS TO REMAIN.

FLOOR PLAN GENERAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION BETWEEN SUBCONTRACTORS BASED ON THE ENTIRE SET OF DOCUMENTS. NO EXTRA COMPENSATION WILL BE GIVEN TO A BIDDER OR SUPPLIER WHO HAS BID FROM AN INCOMPLETE SET OF CONSTRUCTION DOCUMENTS. IN CASE OF INCONSISTENCIES OR DISCREPANCIES BETWEEN DRAWINGS, THE MOST STRINGENT NOTE OR CONDITION SHALL APPLY. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF SUCH DISCREPANCIES.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INDICATE ON THESE PLANS APPROVED CHANGES TO THE WORK. THIS SET OF DRAWINGS SHALL BE TURNED OVER TO THE OWNER WHEN THE PROJECT IS COMPLETED.
3. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.
4. ALL DIMENSIONS ARE TO FINISH FACE OF WALL AND OPENING UNLESS NOTED OTHERWISE.
5. ALL CONSTRUCTION SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODE REQUIREMENTS.
6. CEMENT BACKER BOARD SHALL BE SUBSTITUTED FOR GYPSUM BOARD WHERE CERAMIC TILE IS SCHEDULED, EXCEPT AT RATED PARTITIONS.
7. ALL OUTSIDE CORNERS OF GYP. BD. WALLS TO RECEIVE CORNER REINFORCEMENT.
8. RUN GYPSUM BOARD 6" ABOVE ADJACENT CEILING SYSTEM UNLESS REQUIRED TO GO TO DECK.
9. STAGGER OUTLETS AND OTHER OPENINGS THAT PENETRATE WALLS. (MIN 12")
10. CAULK ALL JOINTS WHERE DISSIMILAR MATERIALS MEET.
11. IT IS THE INTENT OF THIS CONTRACT THAT ALL INTERIOR WALLS BE FINISHED AND PAINTED TO A UNIFORM APPEARANCE.
12. ALL NEW INTERIOR WALLS TO BE PAINTED. COLOR TO BE SELECTED BY ARCHITECT AND APPROVED BY OWNER.
13. AT ALL DRYWALL PARTITIONS, PROVIDE CONTROL JOINTS @ 20'-0" O.C. MAX. OR AS NOTED. PROVIDE JOINT REINFORCEMENT. CONTROL JOINTS TO BE PAINTED TO MATCH WALL.
14. PROVIDE BLOCKING AT ALL WALL HUNG CABINETS, MIRRORS, WALL-MOUNTED TOILET ACCESSORIES, TOILET PARTITIONS, DRINKING FOUNTAINS, TELEVISIONS, ETC. IF LOCATED IN STUD WALLS.
15. DOORS TO BE 4" FROM INTERIOR GYPSUM WALL CORNER UNLESS OTHERWISE NOTED.
16. DOORS TO BE 4" FROM INTERIOR CMU WALL CORNER UNLESS OTHERWISE NOTED.
17. REFER TO ENLARGED FLOOR PLAN SHEETS CONTAINING MORE DETAILED DIMENSIONS AND INFORMATION.
18. EVERY DOOR TO HAVE 18" CLEARANCE ON PULL SIDE OF DOOR. DOORS WITH CLOSER TO HAVE 12" CLEARANCE ON PUSH SIDE.
19. MAX. HEIGHT FOR 2 1/2" & 3 5/8" STUDS IS 12'-0". ABOVE 12'-0", INSTALL 18 GAUGE 3-5/8" STUDS.
20. REFER TO LIFE SAFETY PLAN FOR LOCATIONS OF FIRE EXTINGUISHERS
21. SLOPE FLOORS TO FLOOR DRAINS AS INDICATED.
22. E.J. = EXPANSION JOINT. SEE FLOOR FINISH PLANS FOR DETAILS
23. AT ANY CORNERS IN CMU WALLS THAT ARE NOT 90 DEGREE ANGLES, CMU JOINTS SHALL BE MITERED.
24. IT IS THE RESPONSIBILITY OF THE G.C. TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION.
25. ALL DOORS NOT TAGGED ARE EXISTING DOORS TO REMAIN.

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ROBERT MICHAEL MINZ — REGISTERED ARCHITECT — STATE OF TENNESSEE — 101460 — 2-2-2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

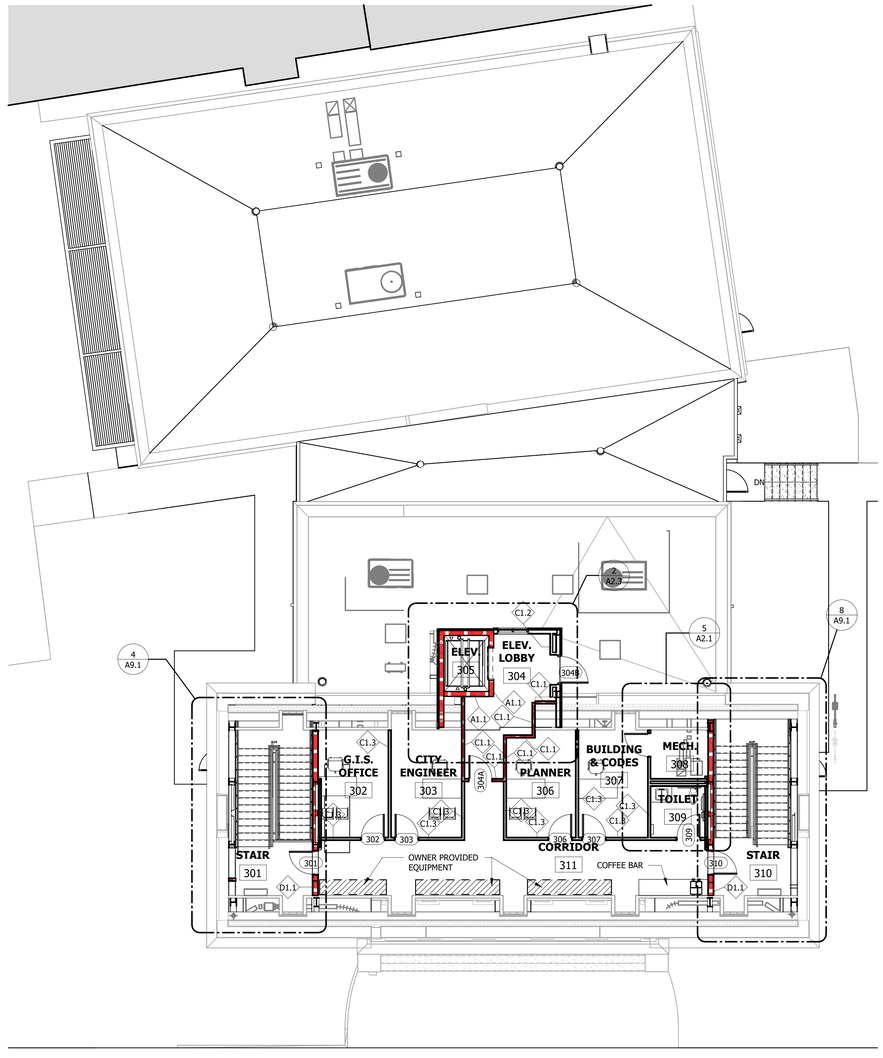
No.	Revision Description	Date

REFERENCE FLOOR PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A1.3

Plotted on: 2/9/2026 8:40:39 AM



1 REFERENCE FLOOR PLAN - SECOND FLOOR

1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

PLAN NOTES LEGEND

1. NEW WALL (PAINT) - SEE WALL TYPES.
2. NEW DOOR IN EXISTING OPENING - SEE DOOR SCHEDULE.
3. NEW WINDOW IN EXISTING OPENING - SEE WINDOW TYPES.
4. NEW STEEL PAN STAIRS - COORDINATE WITH STRUCTURAL.
5. NEW PLASTIC LAMINATE CASEWORK WITH SOLID SURFACE COUNTERTOP - COORDINATE WITH FINISH SCHEDULE.
6. NEW PLASTIC LAMINATE CASEWORK - COORDINATE WITH FINISH SCHEDULE.
7. REINSTALL EXISTING CROWN MOLDING, WOOD WAINSCOTTING, AND ALL PRESERVED FINISHES IN THIS SPACE.
8. NEW ELEVATOR - COORDINATE WITH STRUCTURAL, ELECTRICAL, AND PLUMBING.
9. NEW ROOF DRAIN LEADERS - RUN DOWN THROUGH NEW CHASE SPACE - SEE PLUMBING.
10. NEW CAST-IN-PLACE CONCRETE RAMP AND STAIRS - COORDINATE WITH STRUCTURAL.
11. REINSTALL EXISTING PRESERVED LAVATORIES IN NEW TOILETS - COORDINATE WITH PLUMBING.
12. NEW ALUMINUM STOREFRONT ENTRY SYSTEM - COORDINATE WITH DOOR SCHEDULE.
13. ALL EXTERIOR WOOD OR PLASTER ELEMENTS ARE TO BE PATCHED AND REPAINTED (TO INCLUDE, BUT NOT LIMITED TO CORNICE, COLUMNS, SOFFIT, AND INFILL WALLS AT WINDOW AND DOOR OPENINGS).
14. NEW METAL STUD INFILL WITH BRICK VENEER.
15. NEW PREFINISHED METAL CANOPY (ABOVE) - SEE A3.2, CANOPY PLANS.
16. CONCRETE WALK - COORDINATE WITH CIVIL.
17. LINE IN FLOOR INDICATES AREA OF NEW INFILL FLOORING AT LOCATION OF EXISTING STAIRS TO BE REMOVED - COORDINATE WITH STRUCTURAL.
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Robert M Thomas
1 Oct 2026
No. 101460
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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

REFERENCE FLOOR PLAN - SECOND FLOOR

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A1.4

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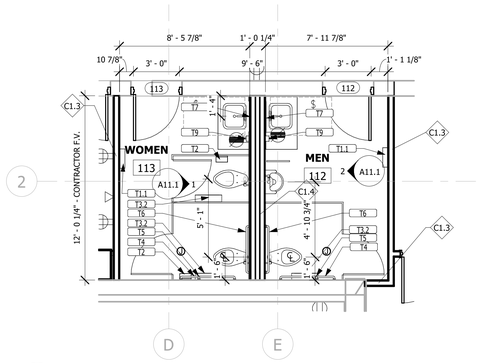
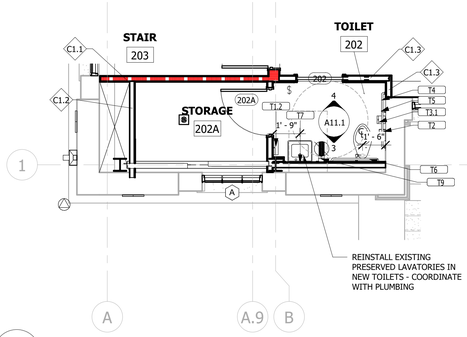
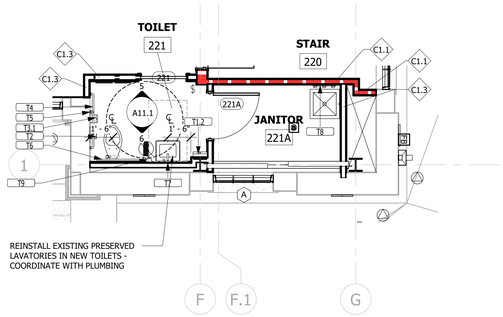


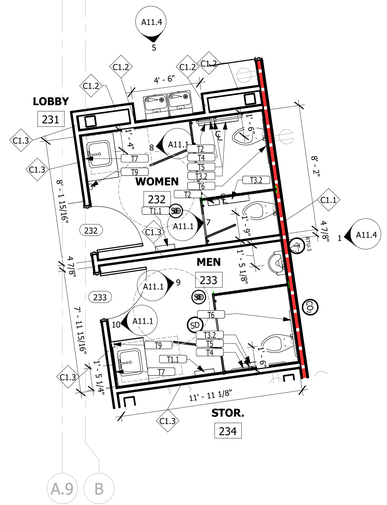
1 ENLARGED PLAN
1/4" = 1'-0"



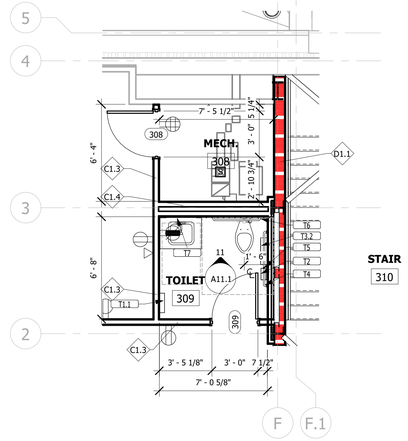
2 ENLARGED PLAN
1/4" = 1'-0"



3 ENLARGED PLAN
1/4" = 1'-0"



4 ENLARGED PLAN
1/4" = 1'-0"



5 ENLARGED PLAN
1/4" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
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		FIRE BARRIER		1 HOUR
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SMOKE RATING LEGEND

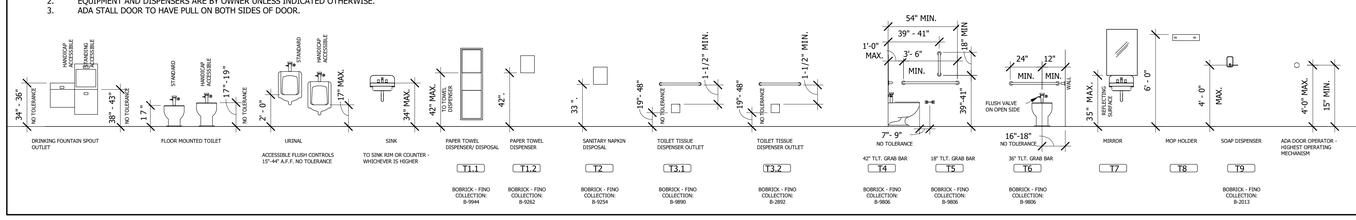
EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

TOILET ACCESSORIES SCHEDULE

Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
T3.2	DOUBLE TOILET PAPER DISPENSER		
T4	GRAB BAR - 42"		
T5	GRAB BAR - 18"		
T6	GRAB BAR - 36"		
T7	MIRROR - 24" x 36"		
T8	MOP RACK		
T9	SOAP DISPENSER		

ADA MOUNTING HEIGHTS - TOILET ACCESSORIES

NOTE:
1. ALL ITMES SHOWN MAY OR MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO ENLARGED TOILET ROOM PLANS FOR ACTUAL ACCESSORIES USED. PROVIDE BLOCKING AS REQUIRED.
2. EQUIPMENT AND DISPENSERS ARE BY OWNER UNLESS INDICATED OTHERWISE.
3. ADA STALL DOOR TO HAVE PULL ON BOTH SIDES OF DOOR.



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Robert M Thomas
1 FOR 2026
No. 101462
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

ENLARGED PLANS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A2.1

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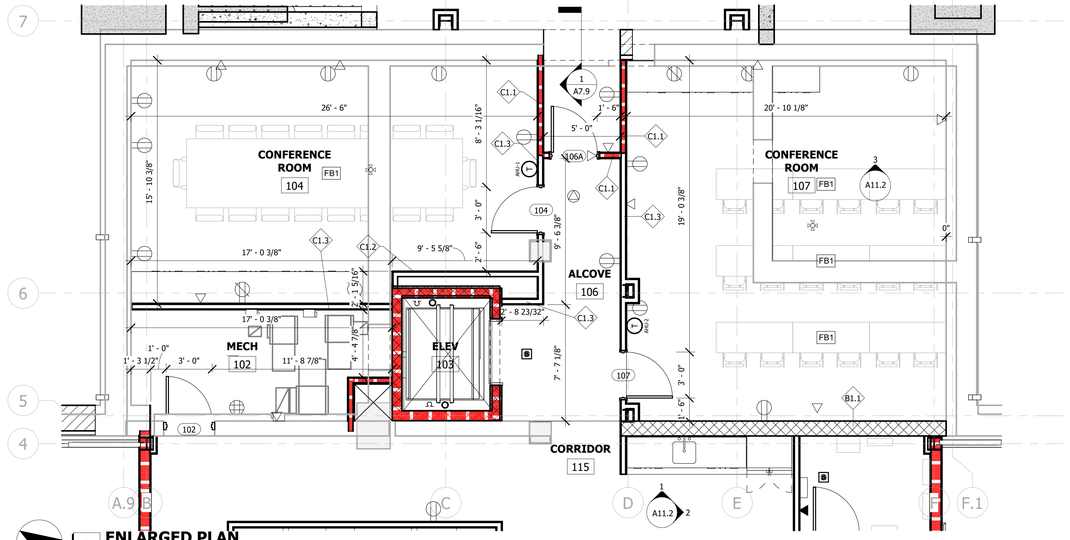
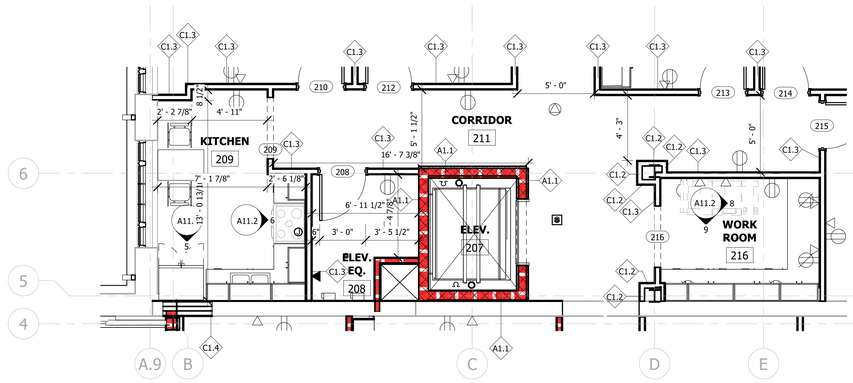


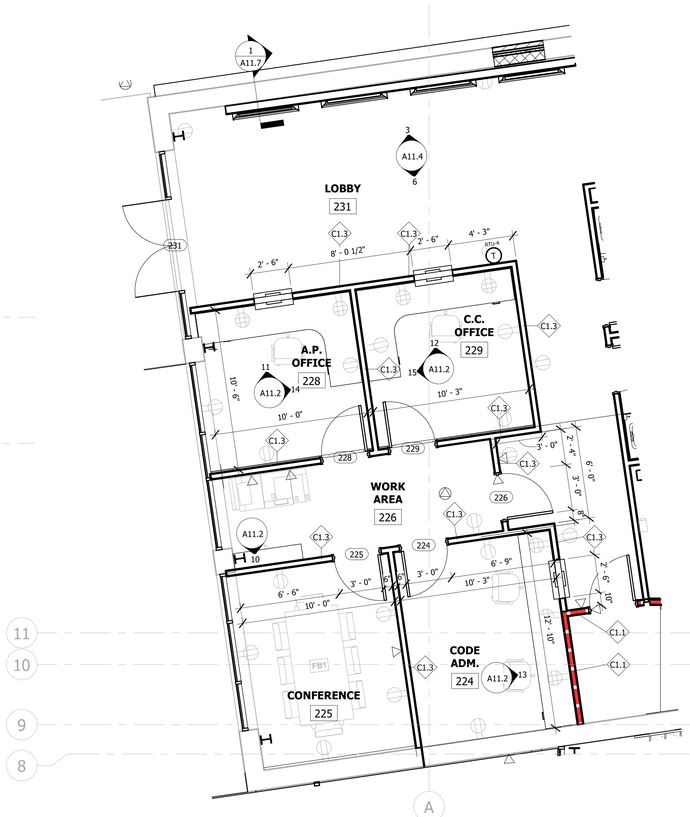
1 ENLARGED PLAN
1/4" = 1'-0"



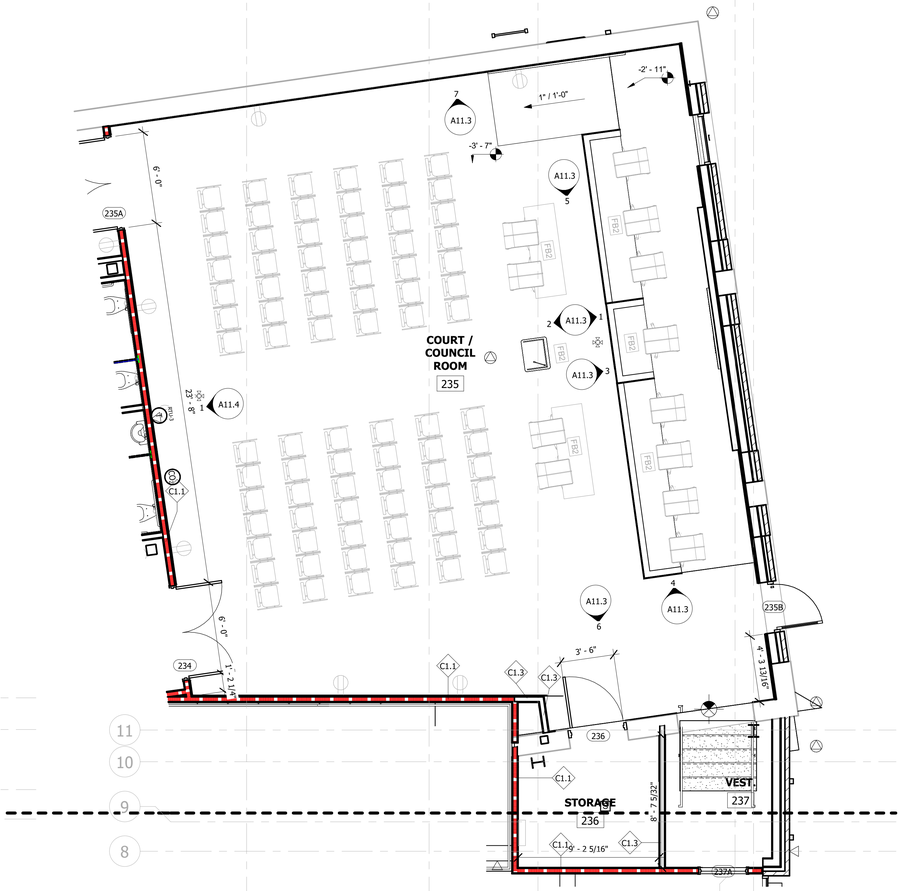
3 ENLARGED PLAN
1/4" = 1'-0"

NOTE: FURNITURE IS SHOWN FOR REFERENCE ONLY - ALL FURNITURE IS TO BE OWNER PROVDED AND INSTALLED

2 ENLARGED PLAN
1/4" = 1'-0"



4 ENLARGED PLAN
1/4" = 1'-0"



5 ENLARGED PLAN
1/4" = 1'-0"

TOILET ACCESSORIES SCHEDULE

Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
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1 FEB 2026

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7 S HIGH ST, SUITE 1
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No.	Revision Description	Date

ENLARGED PLANS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A2.2

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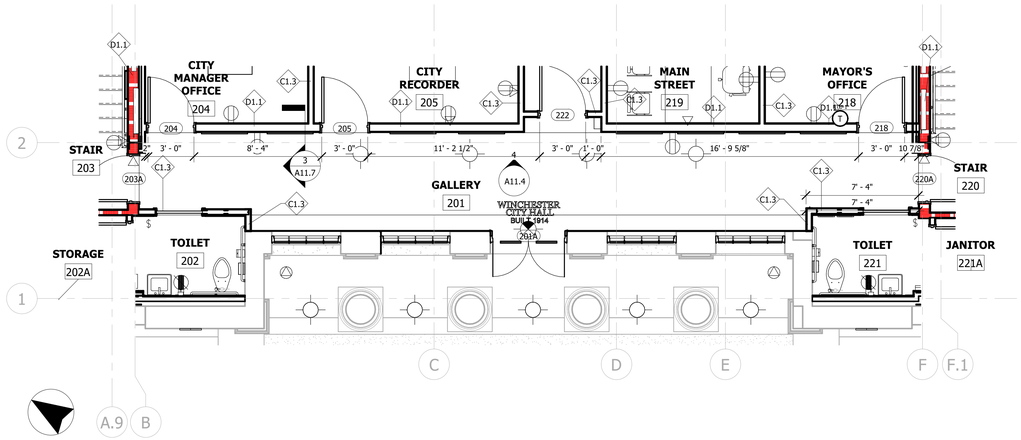

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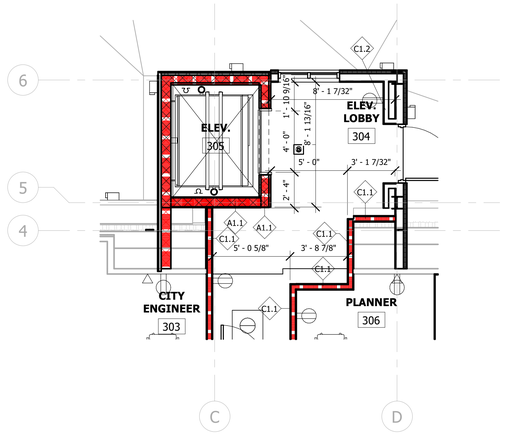

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1/7/2026
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ENLARGED PLANS

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A2.3

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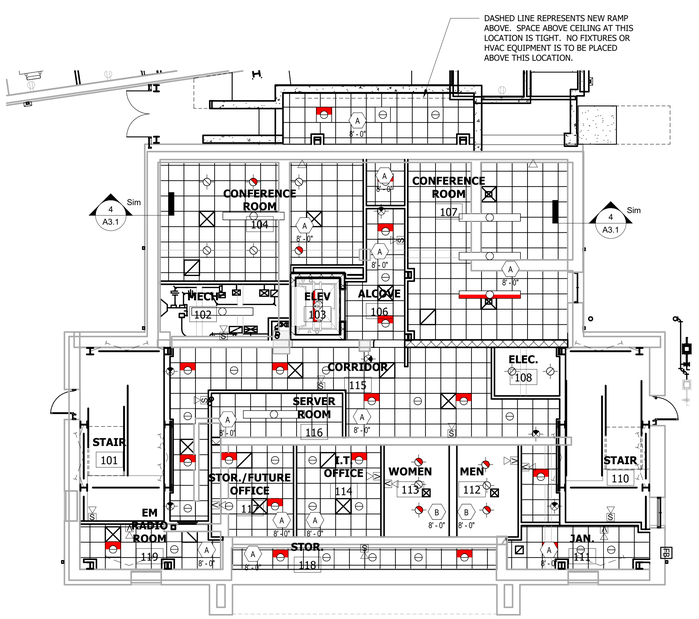
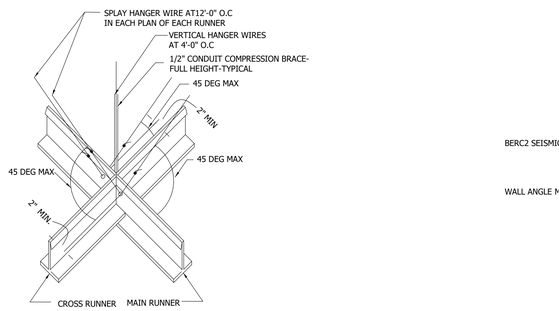
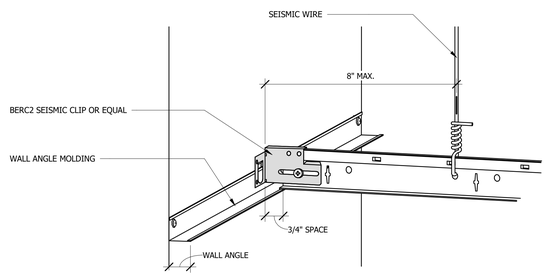


1 BASEMENT LEVEL
1/8" = 1'-0"

2 FIRST FLOOR - REFLECTED CEILING PLAN
1/8" = 1'-0"



3 SEISMIC BRACING DETAIL
1 : 1



4 SEISMIC CLIP DETAIL
3" = 1'-0"

REFLECTED CEILING PLAN LEGEND

- 11 / 1'-0" — CEILING MATERIAL / CEILING HEIGHT
- A — ARMSTRONG ULTIMA 1900 24" X 24" X 3/4" SQUARE LAY IN TILE ON ARMSTRONG PRELUDE XL 15/16" GRID, COLOR WHITE
- B — GYPSUM BOARD CEILING
- C — EXPOSED CEILING STRUCTURE
- D — EXISTING CEILING (UPSTAIRS)
- ⌀ — RECESSED LED FIXTURE - SEE ELEC.
- 2' X 2' RECESSED LED DIRECT/INDIRECT LED FIXTURE - SEE ELEC.

RCP NOTES

1. CEILINGS IN ALL WET AREAS AND RESTROOMS SHALL HAVE MOISTURE-RESISTANT GYPSUM BOARD.
2. REFER TO PLUMBING PLANS FOR SPRINKLER HEAD LOCATIONS.

LAY-IN CEILING SEISMIC REQUIREMENTS

ALL SUSPENDED LAY-IN CEILINGS SHALL BE INSTALLED PER ASTM C636 - PROJECT IS LOCATED IN CLASS D

- SLOTTED SEISMIC CLIPS FOR PERIMETER GRID
- SUSPENSION SYSTEM MUST BE ATTACHED TO TWO ADJACENT WALLS. OPPOSITE WALL MUST HAVE A 3/4" CLEARANCE USING PROPER SEISMIC CLIPS.
- ENDS OF MAIN BEAMS AND CROSS TEES MUST BE TIED TOGETHER TO PREVENT THEIR SPREADING.
- HEAVY-DUTY SUSPENSION SYSTEM
- CEILING AREAS OVER 1,000 SF MUST HAVE HORIZONTAL RESTRAINT WIRE OR RIGID BRACING.
- CEILING AREAS OVER 2,500 SF MUST HAVE SEISMIC SEPARATION JOINTS FOR FULL HEIGHT PARTITIONS.
- CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS.
- CHANGES IN CEILING PLANE MUST HAVE POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS MUST BE INDEPENDENTLY SUPPORTED AND BRACED.

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ROBERT MICHAEL TIPTON — REGISTERED ARCHITECT — STATE OF TENNESSEE — No. 101460 — 1 FEB 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

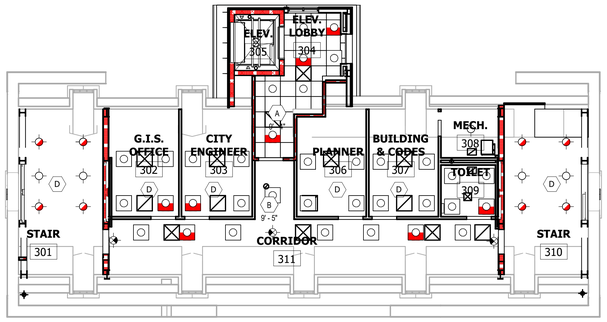
REFLECTED CEILING PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

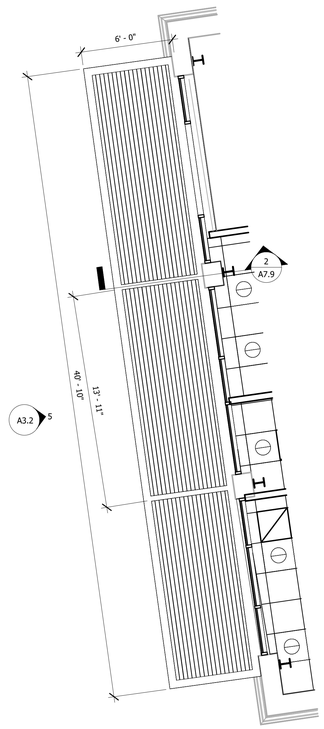
A3.1

Plotted on: 2/9/2026 8:45:49 AM

NOTE: CONTRACTOR TO PRESERVE EXISTING CEILING AS MUCH AS POSSIBLE ON SECOND FLOOR. WHERE REPAIRS ARE NECESSARY, VERIFY COMPOSITION AND MAINTAIN THICKNESS OF EXISTING CEILING ASSEMBLY. REPAIRS TO TIE AND BLEND INTO EXISTING CEILING AS MUCH AS POSSIBLE.



1 SECOND FLOOR - REFLECTED CEILING PLAN
1/8" = 1'-0"



2 CANOPY PLAN
1/4" = 1'-0"

REFLECTED CEILING PLAN LEGEND

- 11 / 1'-0" — CEILING MATERIAL / CEILING HEIGHT
- A — ARMSTRONG ULTIMA 1900 24" X 24" X 3/4" SQUARE LAY IN TILE ON ARMSTRONG PRELUDE XL 15/16" GRID, COLOR WHITE
- B — GYPSUM BOARD CEILING
- C — EXPOSED CEILING STRUCTURE
- D — EXISTING CEILING (UPSTAIRS)
- ⌀ — RECESSED LED FIXTURE - SEE ELEC.
- ☐ — 2' X 2' RECESSED LED DIRECT/INDIRECT LED FIXTURE - SEE ELEC.

RCP NOTES

1. CEILINGS IN ALL WET AREAS AND RESTROOMS SHALL HAVE MOISTURE-RESISTANT GYPSUM BOARD.
2. REFER TO PLUMBING PLANS FOR SPRINKLER HEAD LOCATIONS.

LAY-IN CEILING SEISMIC REQUIREMENTS

ALL SUSPENDED LAY-IN CEILINGS SHALL BE INSTALLED PER ASTM C636 - PROJECT IS LOCATED IN CLASS D

- SLOTTED SEISMIC CLIPS FOR PERIMETER GRID
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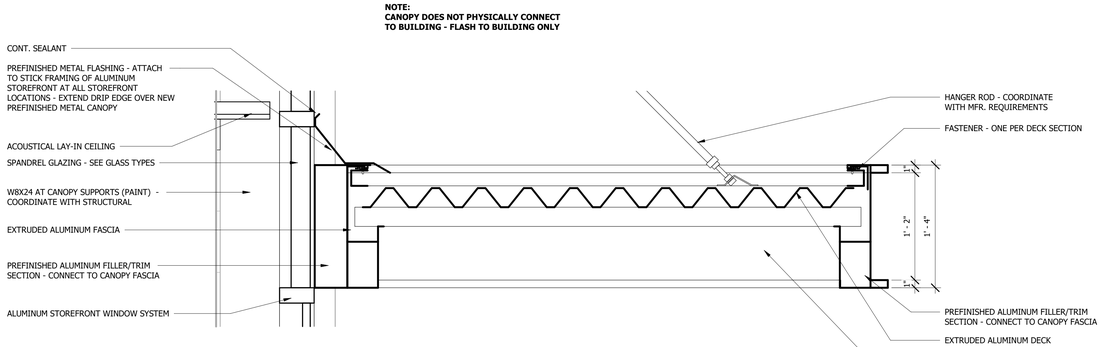
- CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS.
- CHANGES IN CEILING PLANE MUST HAVE POSITIVE BRACING.
- CABLE TRAYS AND ELECTRICAL CONDUITS MUST BE INDEPENDENTLY SUPPORTED AND BRACED.

5 ELEVATION @ CANOPY
3/8" = 1'-0"



6 CANOPY SECTION
1 1/2" = 1'-0"

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ROBERT MICHAEL THOMAS — REGISTERED ARCHITECT — No. 104405 — STATE OF TENNESSEE — 1 Feb 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

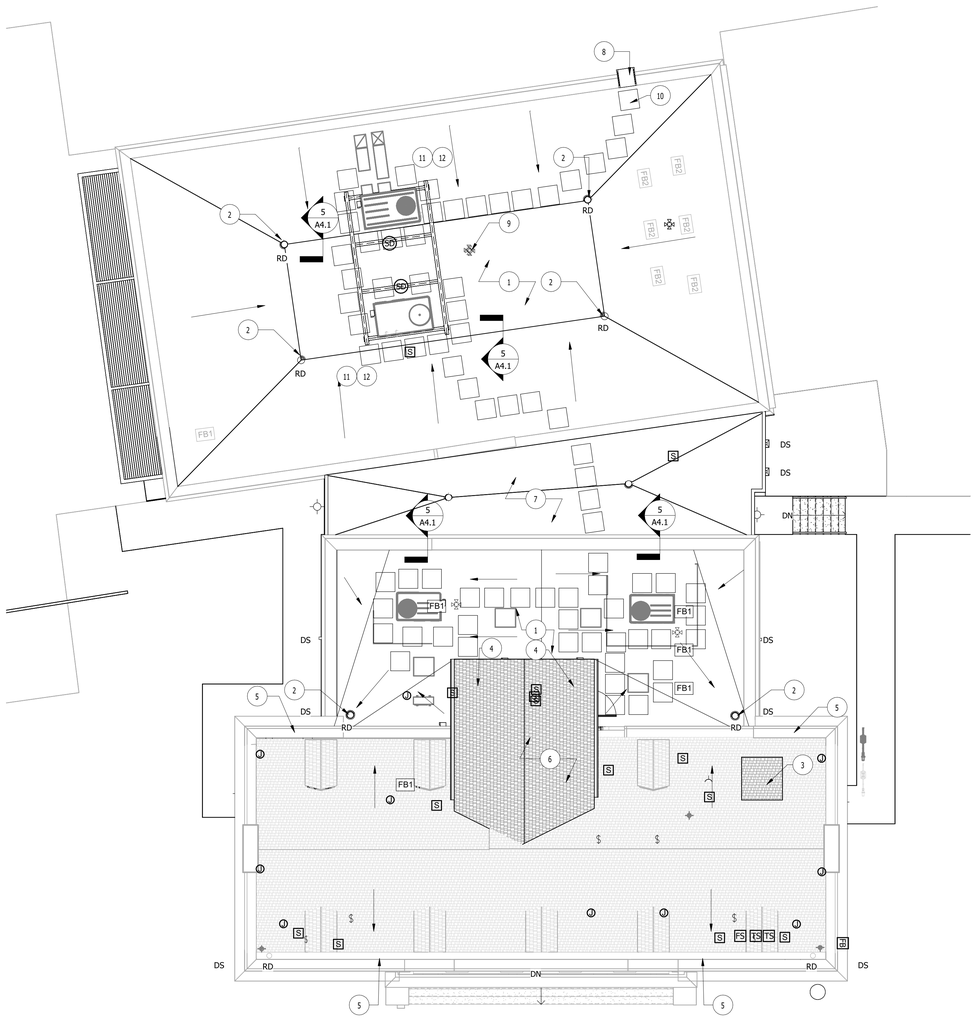
No.	Revision Description	Date

REFLECTED CEILING PLAN - SECOND FLOOR

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A3.2

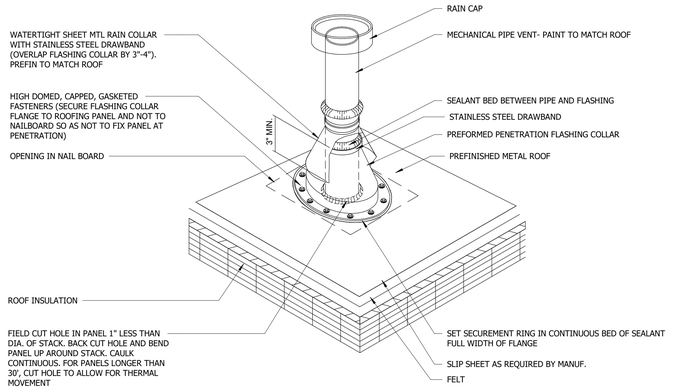
Plotted on: 2/6/2026 4:17:18 PM



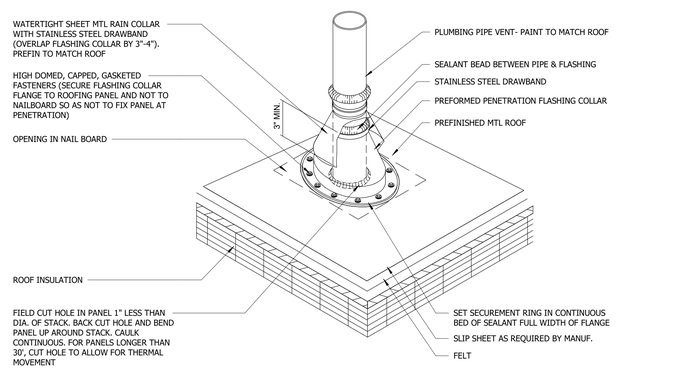
1 ROOF PLAN
1/8" = 1'-0"

ROOF PLAN NOTES LEGEND

1. NEW INSULATION AND ROOFING MEMBRANE OVER EXISTING ROOF DECK TO REMAIN.
2. ALL EXISTING ROOF DRAINS TO BE INSPECTED AND CLEARED TO ENSURE PROPER FLOW - MONITOR ALL INTERNAL DRAW LINES TO ENSURE THAT NO WATER FLOWS INTO INTERIOR SPACES. PROVIDE NEW ROOF DRAINS AND STRAINERS AT EXISTING DRAIN LOCATION.
3. NEW SLATE ROOF (INFILL TO MATCH EXISTING SHEATHING AND SLATE ROOF LEVELS - COORDINATE WITH STRUCTURAL)
4. NEW PREFINISHED METAL GUTTER AND DOWNSPOUTS.
5. PROVIDE GUTTER LEAF GUARD AT EXISTING COPPER GUTTERS TO REMAIN.
6. NEW SLATE ROOF
7. NEW MEMBRANE ROOFING AND RIGID TAPERED INSULATION ON NEW METAL DECKING.
8. STEEL ROOF LADDER W/ LOCKABLE PANEL. LADDER TO BE OSHA COMPLIANT.
9. ROOF HYDRANT. REFER TO 8/A4.2.
10. WALKWAY PAD PER MANUFACTURER. (TYP.)
11. FLEXIBLE PENETRATION DETAIL REFER TO 1/A4.3.
12. CONDENSATE PENETRATION DETAIL REFER TO 4/A4.3.



MECHANICAL PENETRATION



PLUMBING PENETRATION

2 ROOF PENETRATION DETAILS ON EDM
3" = 1'-0"

ROOF PLAN GENERAL NOTES

MEMBRANE ROOF

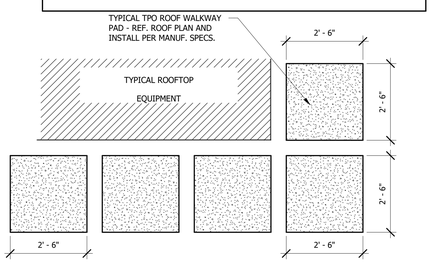
1. ALL ROOF PENETRATIONS SHALL BE FLASHED AND SEALED PER ROOFING MANUFACTURER'S STANDARD DETAILS TO MEET WARRANTY REQUIREMENTS. SHOP DRAWINGS OF ALL ROOFING DETAILS ARE REQUIRED WITH MATERIAL SUBMISSIONS.
2. LOW SLOPE ROOFING TO BE WHITE TPO ON R-20 RIGID INSULATION.
3. LOW SLOPE ROOFING TO HAVE A MINIMUM SLOPE OF 1/4" PER FOOT.
4. PROVIDE TAPERED INSULATION CRICKETS TO SLOPE TO DRAIN, SLOPE 1/4" PER FOOT MINIMUM.
5. TAPERED INSULATION LAYOUTS INDICATED ON ROOF PLAN ARE DIAGRAMMATIC. CONTRACTOR TO PROVIDE SHOP DRAWINGS THAT INDICATE MINIMUM ROOF SLOPE PROVIDING ACCEPTABLE POSITIVE DRAINAGE TO SCUPPERS.
6. PROVIDE CRICKETS AT ALL MECHANICAL ROOF PENETRATIONS AS REQUIRED TO REDIRECT WATER AWAY FROM PENETRATIONS. ALL CRICKETS SHALL MAINTAIN MINIMUM SLOPE OF 1/2" PER FOOT AND EXTEND 4'-0" FROM EDGES.
7. ALL PLYWOOD SHEATHING, WOOD BLOCKING, NAILERS, AND SHIMS IN EXTERIOR WALLS, PARAPETS, AND ROOF CONSTRUCTION SHALL BE FIRE RETARDANT TREATED.
8. PRIME AND PAINT ALL ROOF PENETRATIONS AND EXPOSED STEEL. COLOR TO BE SELECTED BY ARCHITECT.
9. ALL ROOF DETAILS SHALL MEET ALL REQUIREMENTS FOR ROOF WARRANTY AS CALLED FOR IN ROOFING SPECS.
10. SEE WALL SECTIONS FOR DETAILS RELATING TO THE ROOF.
11. FOR TYPICAL ROOF DETAILS, SEE SHEET AS 1-AS..
12. PRE-FINISHED 24 GA. METAL GUTTER. SEE SECTION DETAILS FOR SIZES. INSTALLATION SHALL ACCOMMODATE EXPANSION CAUSED BY TEMPERATURE CHANGES.
13. ALL GUTTERS TO HAVE GUTTER GUARDS.
14. PRE-FINISHED 24 GA. STEEL RECTANGULAR DOWNSPOUT - 4"x5" - SHOP FABRICATED; NON-CORRUGATED.
15. DOWNSPOUT HANGERS TO BE INSTALLED @ 8'-0" O.C. MAX. HANGERS TO BE OF SAME MATERIAL AS DOWNSPOUT.
16. GUTTER EXPANSION JOINTS AT 30'-0" O.C., MAXIMUM.
17. GUTTER STRAPS @ 32" O.C. - SPACE ALTERNATELY WITH HANGERS.
18. GUTTER BRACKETS @ 24" O.C. AND HANGERS @ 32" O.C. OR WITH CLEATS @4" O.C.
19. BRACKETS AND SPACERS SHALL BE OF SAME MATERIAL AS GUTTER.
20. ALL JOINTS TO BE LAPPED 1", RIVETED AND SOLDERED.
21. REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS WHICH PENETRATE THROUGH THE ROOF. DO NOT SCALE THIS DRAWING FOR EXACT LOCATIONS. NOT ALL ROOF PENETRATIONS ARE NECESSARILY ILLUSTRATED.
22. SEE WALL SECTIONS FOR ADDITIONAL DETAILS RELATING TO THE ROOF & ROOF FLASHING.
23. PROVIDE ROOF WALK PADS TO CONNECT ALL ROOFTOP EQUIPMENT, HATCHES, LADDERS AND INTERNAL ROOF DRAINS. SEE DETAILS FOR SIZE AND SPACING OF PADS.

SLATE ROOF

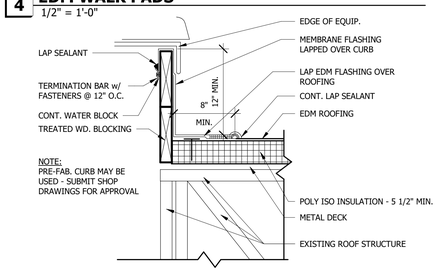
1. INSTALLER SHALL GRADE AND CHECK EACH SLATE FOR IMPERFECTIONS. DURING GRADING, TAP EACH SLATE TO CONFIRM ITS SOUNDNESS.
2. SLATES CAN BE SUPPLIED PREHOLED; IF PUNCHING OR DRILLING HOLE IN FIELD, LOCATE HOLE ONE QUARTER TO ONE THIRD DOWN THE SLATE LENGTH, AS MEASURED FROM THE HEAD OF THE SLATE, AND 1 1/4" TO 1 1/2" FROM EACH SIDE EDGE; PROVIDE TWO NAIL HOLES IN EACH SLATE. PUNCH HOLES FROM THE BACK SIDE OF THE SLATE TO ALLOW THE NAIL HEAD TO BE LOCATED TO THE RECESS ON THE FACE. NAIL HOLES SHALL BE LOCATED ON THE THINNER END OF THE SLATE.
3. SLATING NAILS SHALL BE 10-GAUGE (0.134" DIAMETER), SOLID COPPER, 1 3/4" LONG WITH A SMOOTH SHANK. NAILS MUST NOT BE OVER-DRIVEN NOR UNDER-DRIVEN; NAIL HEADS SHALL TOUCH THE SLATE LIGHTLY, WITHOUT PRODUCING STRAIN ON THE SLATE.
4. ALL PLYWOOD SHEATHING, WOOD BLOCKING, NAILERS, AND SHIMS IN EXTERIOR WALLS, PARAPETS, AND ROOF CONSTRUCTION SHALL BE FIRE RETARDANT TREATED.
5. ALL ROOF DETAILS SHALL MEET ALL REQUIREMENTS FOR ROOF WARRANTY AS CALLED FOR IN ROOFING SPECS.
6. SEE WALL SECTIONS FOR DETAILS RELATING TO THE ROOF.
7. FOR TYPICAL ROOF DETAILS, SEE SHEET A4.1-A4.2.
8. REFER TO AND COORDINATE WITH STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS WHICH PENETRATE THROUGH THE ROOF. DO NOT SCALE THIS DRAWING FOR EXACT LOCATIONS. NOT ALL ROOF PENETRATIONS ARE NECESSARILY ILLUSTRATED.
9. FLASHING SHALL BE INSTALLED WHERE THERE ARE ROOF PLANE INTERSECTIONS, WHERE THE ROOF ABUTS WALLS, PARAPETS, DORMERS AND CHIMNEYS, AT ROOF PENETRATIONS, AND WHERE SHOWN ON THE DRAWINGS. INTEGRATE FLASHINGS AS SLATES ARE BEING INSTALLED. FIT SLATE NEATLY AROUND PIPES, VENTILATORS, AND OTHER ROOF PENETRATIONS.

ROOF PLAN LEGEND

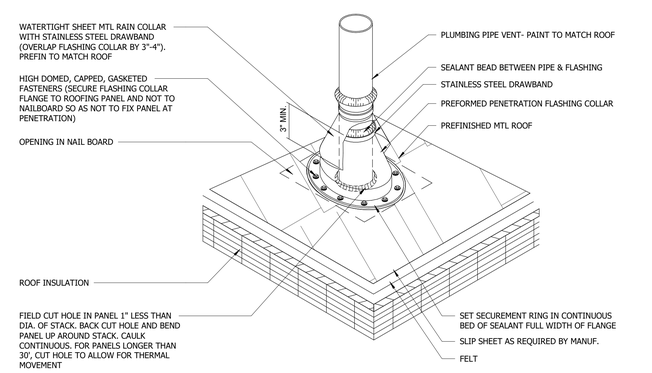
RD	BI-FUNCTIONAL ROOF DRAIN / OVERFLOW ROOF DRAIN
DS	SCUPPER W/ DOWNSPOUT
EOS	EMERGENCY OVERFLOW SCUPPER
VTR	PLUMBING VENT THROUGH ROOF - PAINT TO MATCH ROOF - SEE PLUMBING
RTU	ROOFTOP UNIT - SEE MECHANICAL
NAV DSS VRF	ROOFTOP UNIT - SEE MECHANICAL
EF	EXHAUST FAN - SEE MECHANICAL
	EXISTING SLATE ROOF - NO WORK, EXCEPT AS REQUIRED BY INSTALLATION OF NEW ROOFTOP MECHANICAL EQUIPMENT
	NEW SLATE ROOF
	NEW MEMBRANE ROOFING ON TAPERED INSULATION



4 EDM WALK PADS
1/2" = 1'-0"

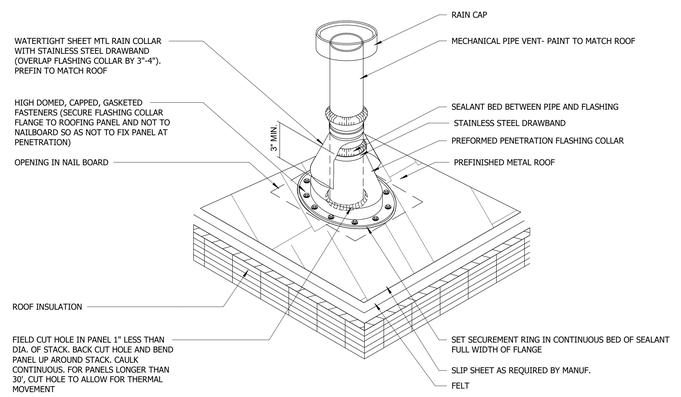


5 TYPICAL EDM DETAIL
1 1/2" = 1'-0"



PLUMBING PENETRATION

3 ROOF PENETRATION DETAILS ON SLATE ROOF
3" = 1'-0"



MECHANICAL PENETRATION

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ROBERT MICHAEL THUNZ — REGISTERED ARCHITECT — Robert M Thunz — 1 FEBRUARY 2026 — No. 101460 — STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

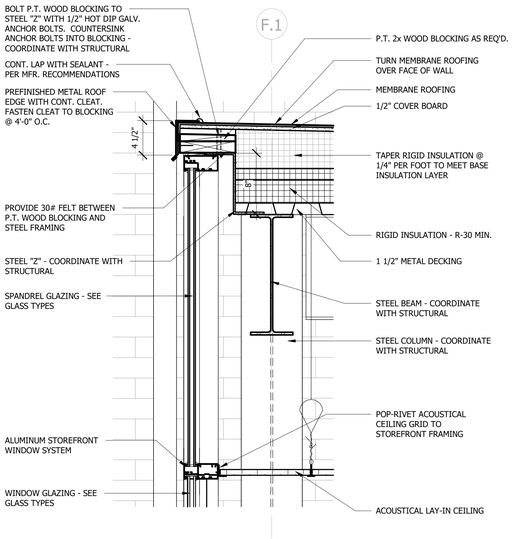
No.	Revision Description	Date

ROOF PLAN

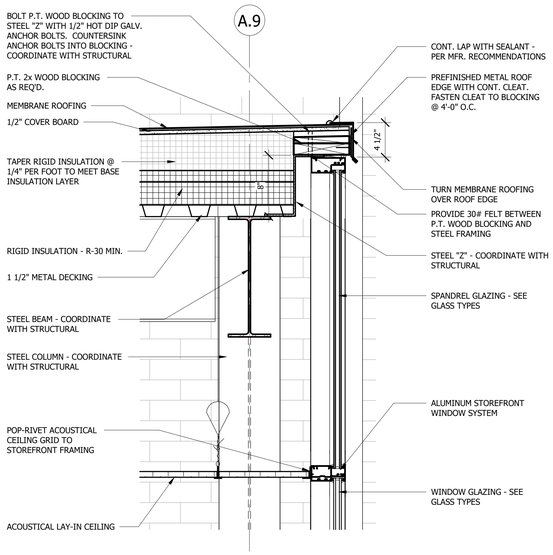
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A4.1

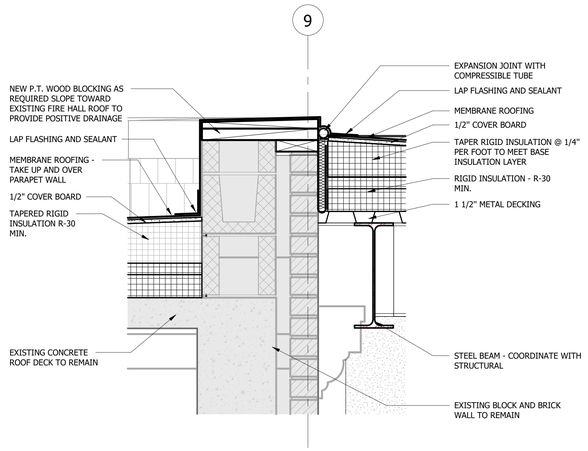
Plotted on: 2/6/2026 4:19:58 PM



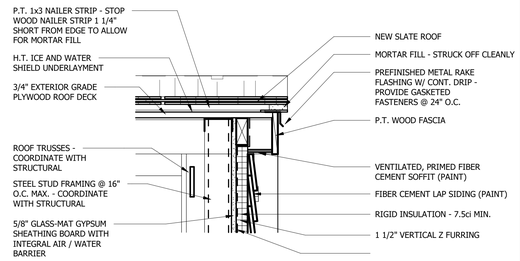
1 ROOF DETAIL
1 1/2" = 1'-0"



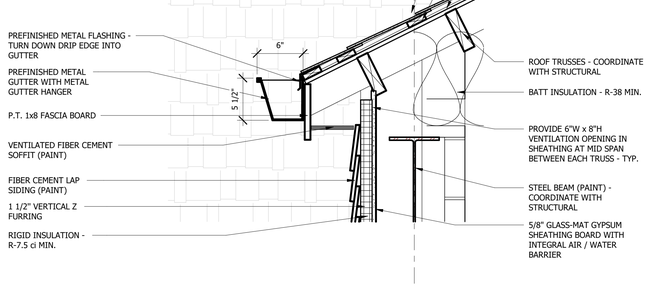
2 ROOF DETAIL
1 1/2" = 1'-0"



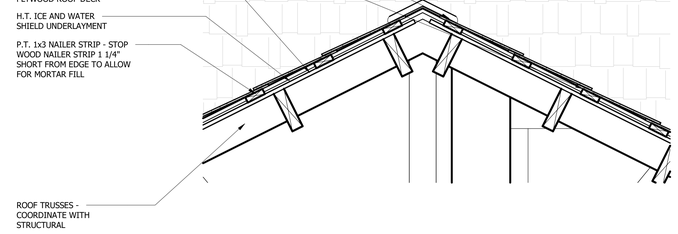
3 ROOF DETAIL
1 1/2" = 1'-0"



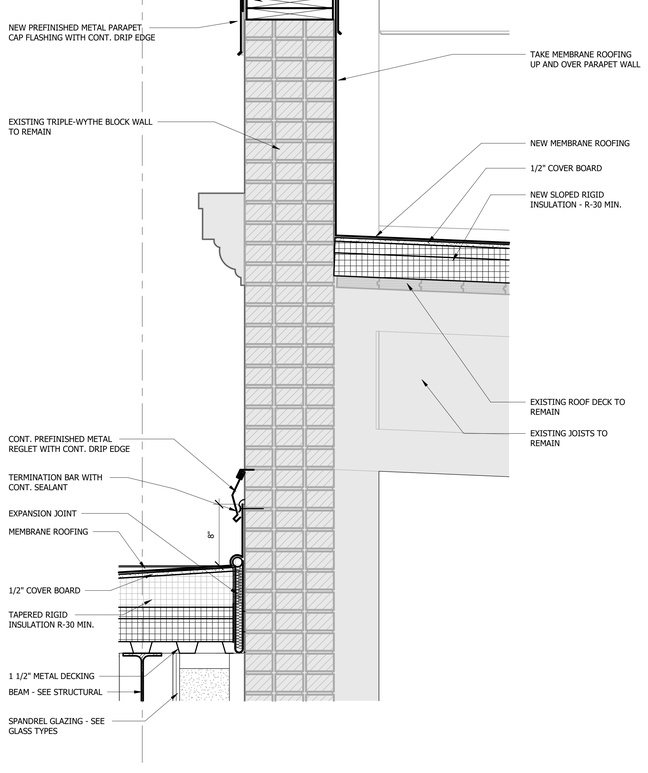
4 NEW SLATE ROOF AT RAKE EDGE
1 1/2" = 1'-0"



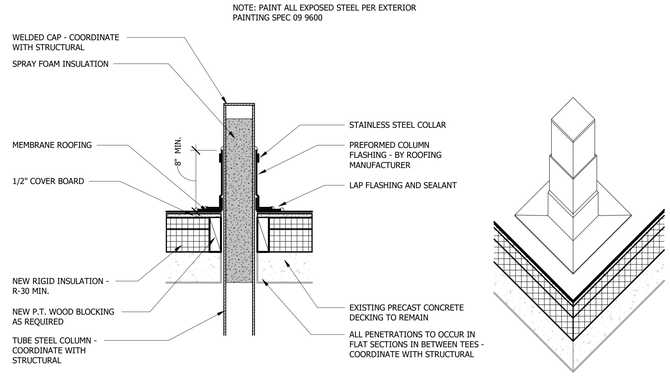
5 NEW SLATE ROOF AT GUTTER
1 1/2" = 1'-0"



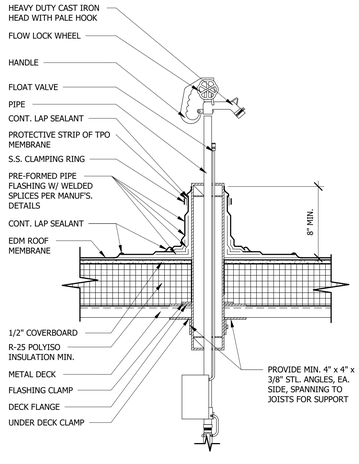
6 NEW SLATE ROOF AT RIDGE VENT
1 1/2" = 1'-0"



9 ROOF DETAIL
1 1/2" = 1'-0"



7 ROOF COLUMN FLASHING
1 1/2" = 1'-0"



8 FROSTLESS ROOF HYDRANT DETAIL
1 1/2" = 1'-0"

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ROBERT MICHAEL THUNZ
REGISTERED ARCHITECT
No. 104402
STATE OF TENNESSEE
Robert M Thunz
1 Feb 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

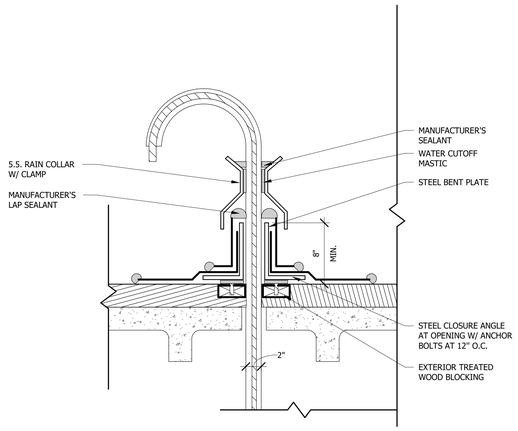
No.	Revision Description	Date

ROOF DETAILS

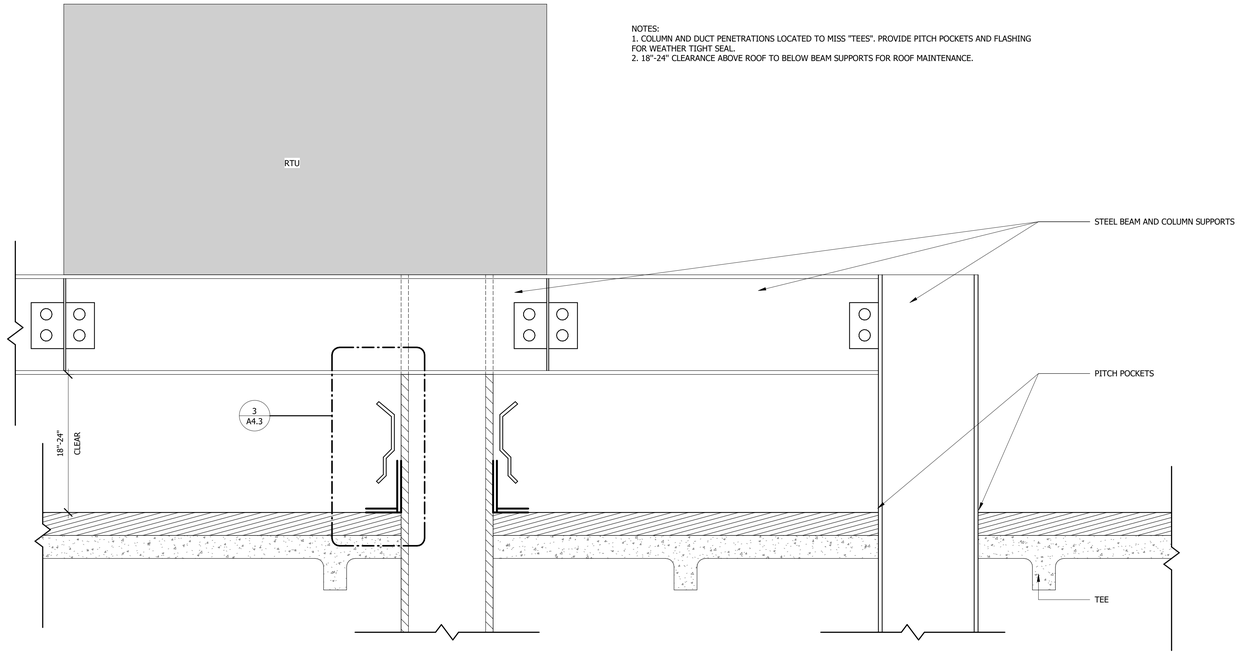
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A4.2

Plotted on: 2/9/2026 8:51:37 AM



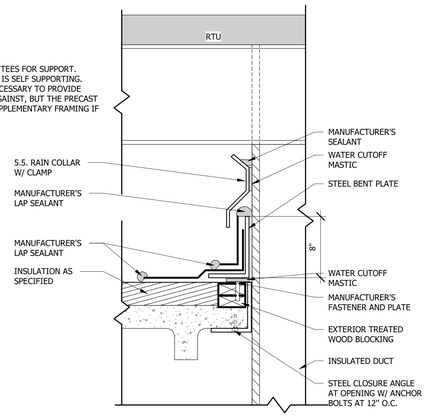
1 FLEXIBLE PENETRATION DETAIL
1 1/2" = 1'-0"



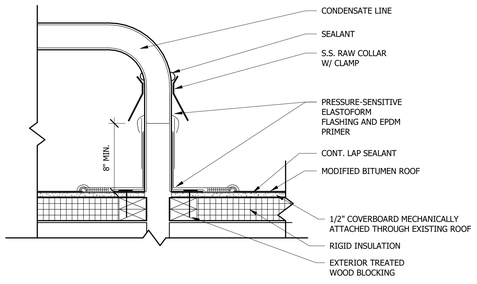
NOTES:
1. COLUMN AND DUCT PENETRATIONS LOCATED TO MISS "TEES". PROVIDE PITCH POCKETS AND FLASHING FOR WEATHER TIGHT SEAL.
2. 18"-24" CLEARANCE ABOVE ROOF TO BELOW BEAM SUPPORTS FOR ROOF MAINTENANCE.

2 DUCT PENETRATION DETAIL
1 1/2" = 1'-0"

NOTE:
NO ANGLE REQUIRED BETWEEN TEES FOR SUPPORT. CONCRETE WEB BETWEEN TEES IS SELF SUPPORTING. BENT PLATE ON TOP MAY BE NECESSARY TO PROVIDE SOMETHING SOLID TO FLASH AGAINST, BUT THE PRECAST SYSTEM DOES NOT REQUIRE SUPPLEMENTARY FRAMING IF THE TEES ARE NOT CUT.



3 ENL. DUCT PENETRATION DETAIL
1 1/2" = 1'-0"



4 CONDENSATE PENETRATION DETAIL
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Robert M Thomas
1 Oct 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

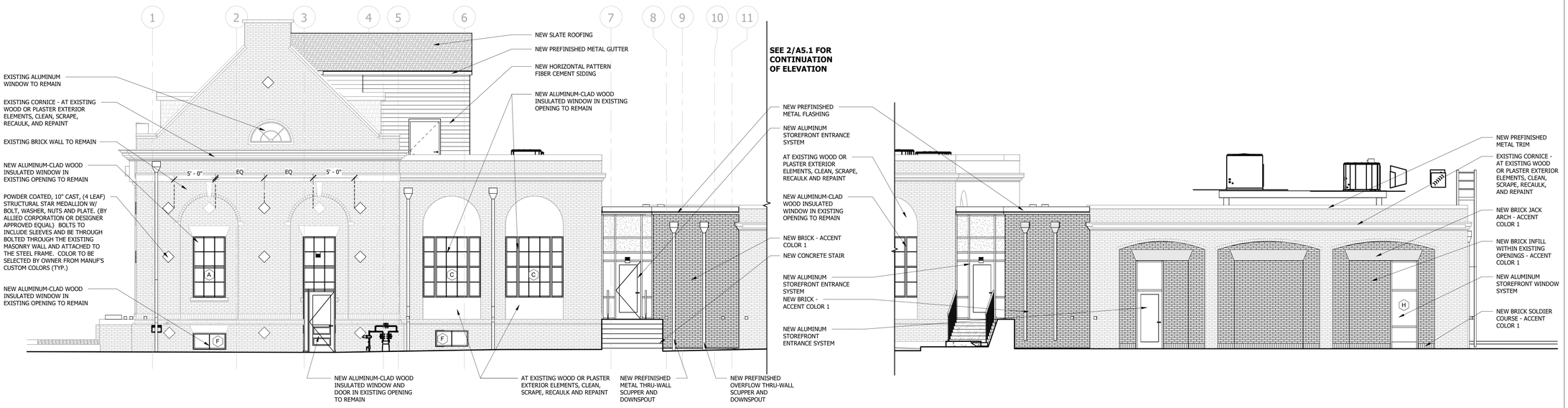
No.	Revision Description	Date

ROOF DETAILS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

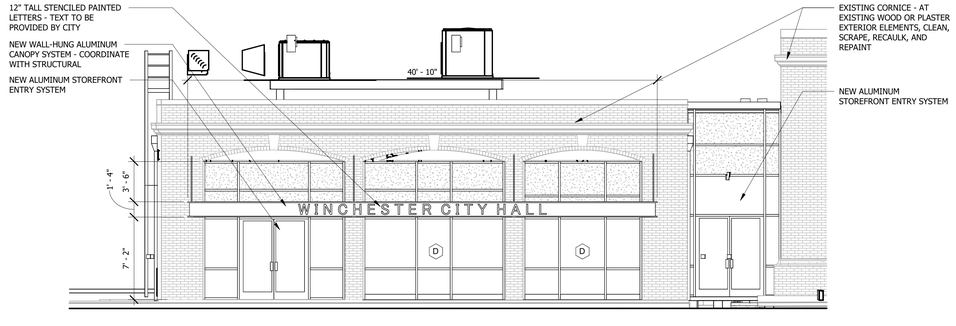
A4.3

Plotted on: 2/9/2026 8:53:00 AM

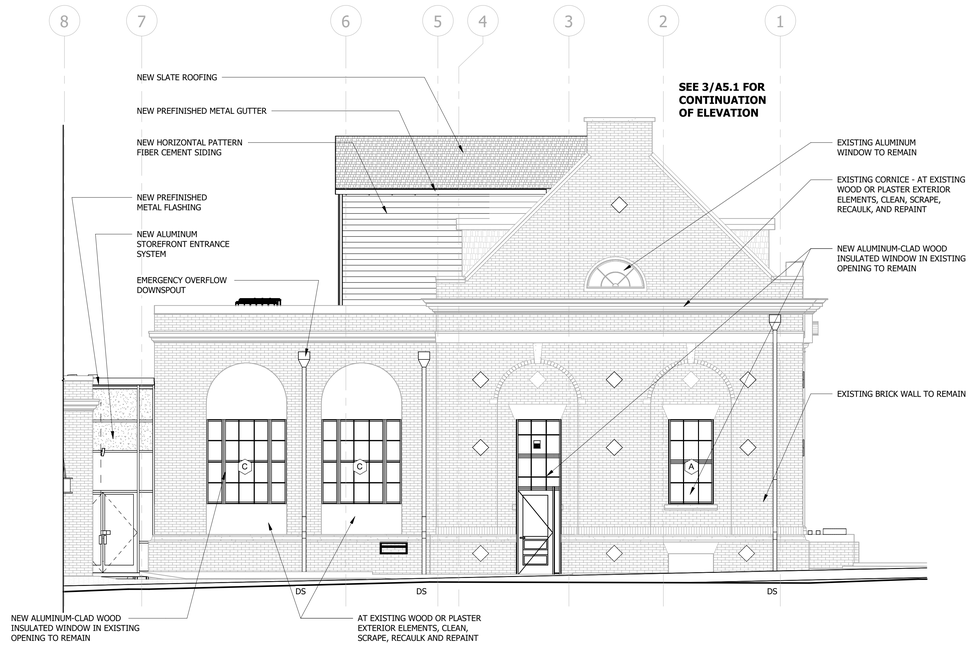


1 EAST ELEVATION
3/16" = 1'-0"

6 WEST ELEVATION
3/16" = 1'-0"



5 EAST ELEVATION
3/16" = 1'-0"



3 WEST ELEVATION
3/16" = 1'-0"

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1 Feb 2026
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STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
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CITY OF WINCHESTER, TENNESSEE

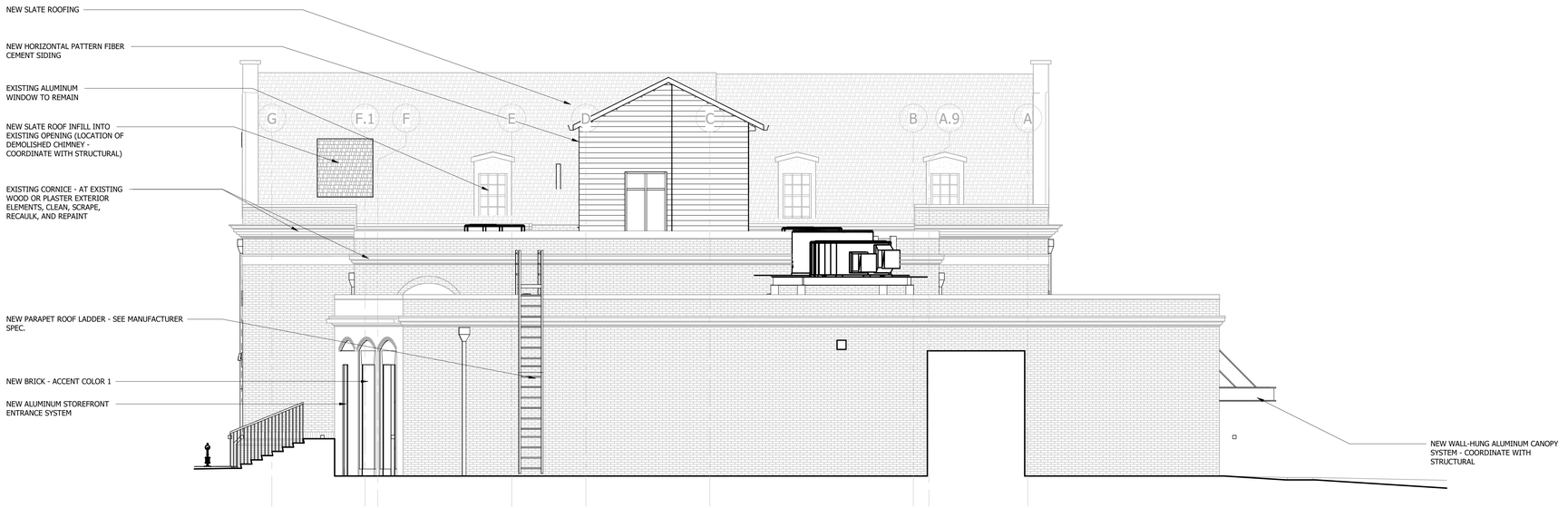
No.	Revision Description	Date

EXTERIOR ELEVATIONS

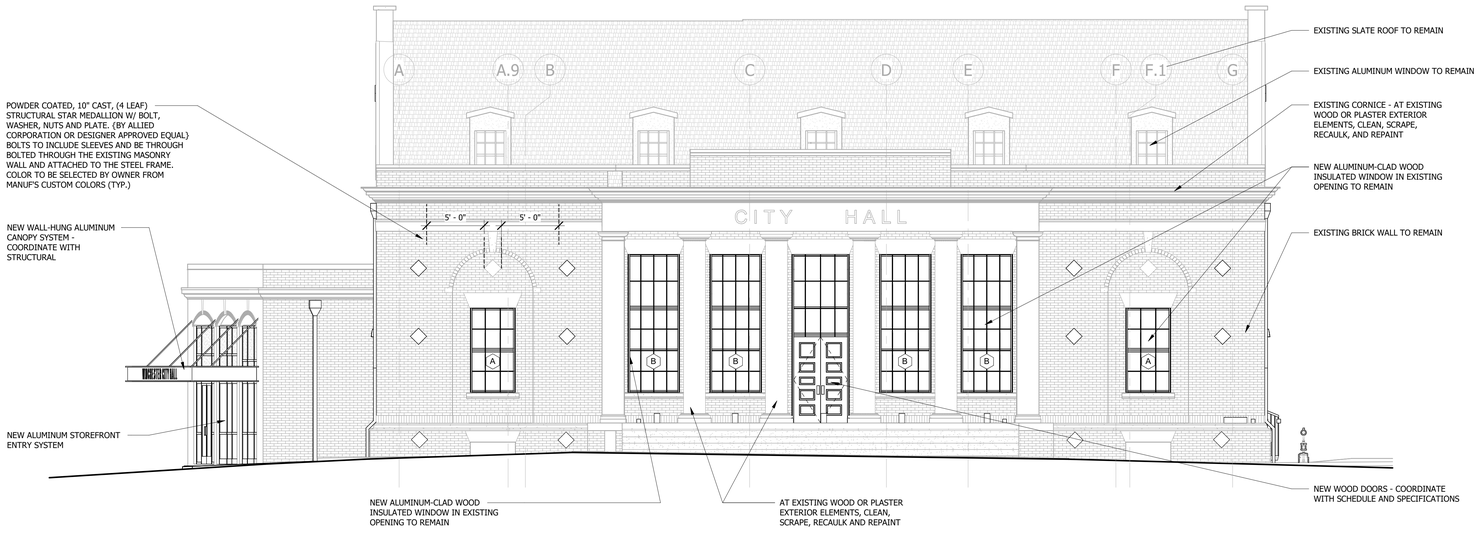
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A5.1

Plotted on: 2/9/2026 9:23:34 AM



1 NORTH ELEVATION
3/16" = 1'-0"



2 SOUTH ELEVATION
3/16" = 1'-0"

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1/7/2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

EXTERIOR ELEVATIONS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A5.2

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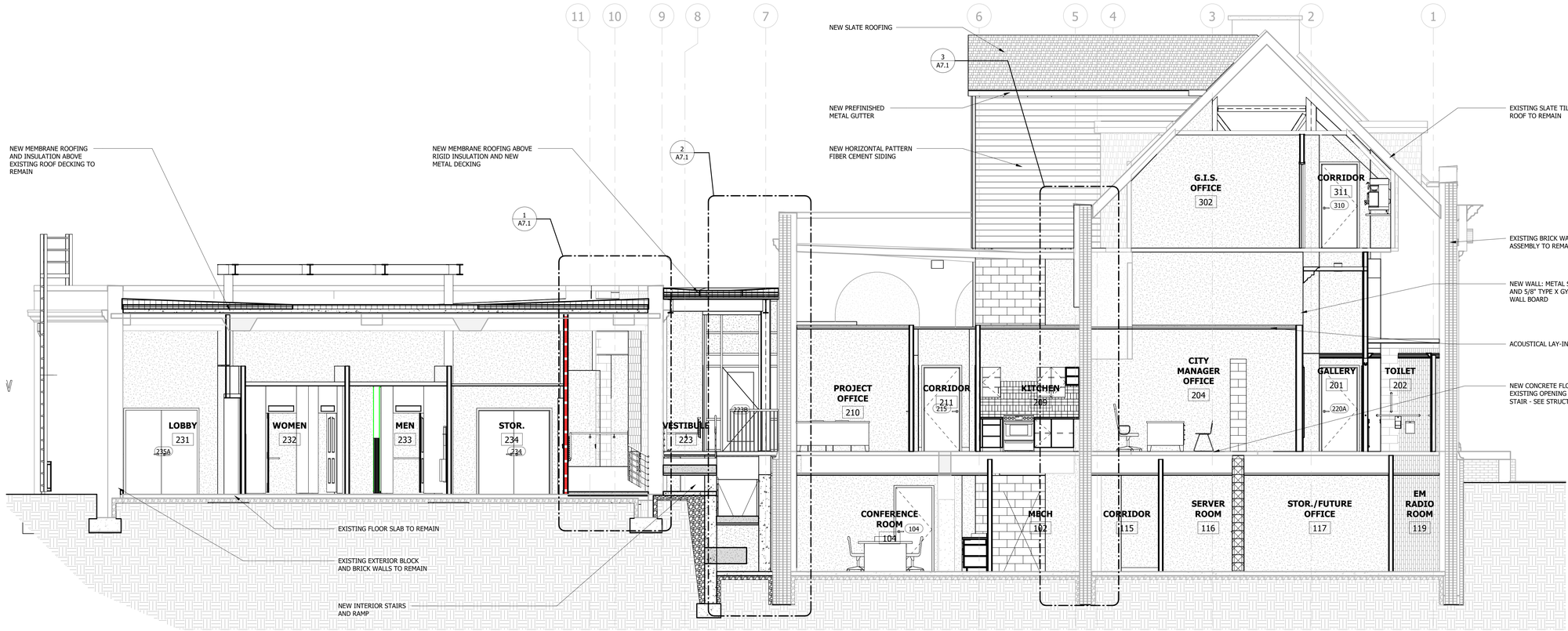
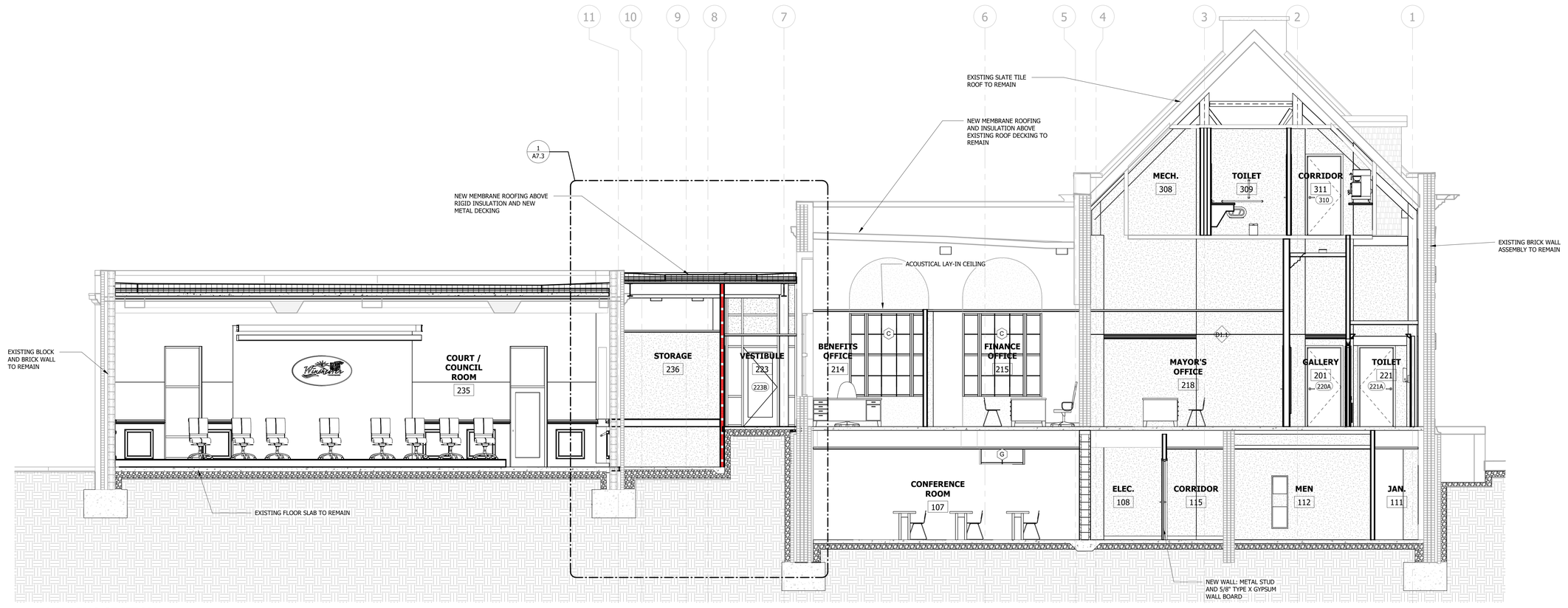


1 BUILDING SECTION
1/4" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"

Plotted on: 2/9/2026 10:12:01 AM

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Robert M Thomas
1 Oct 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

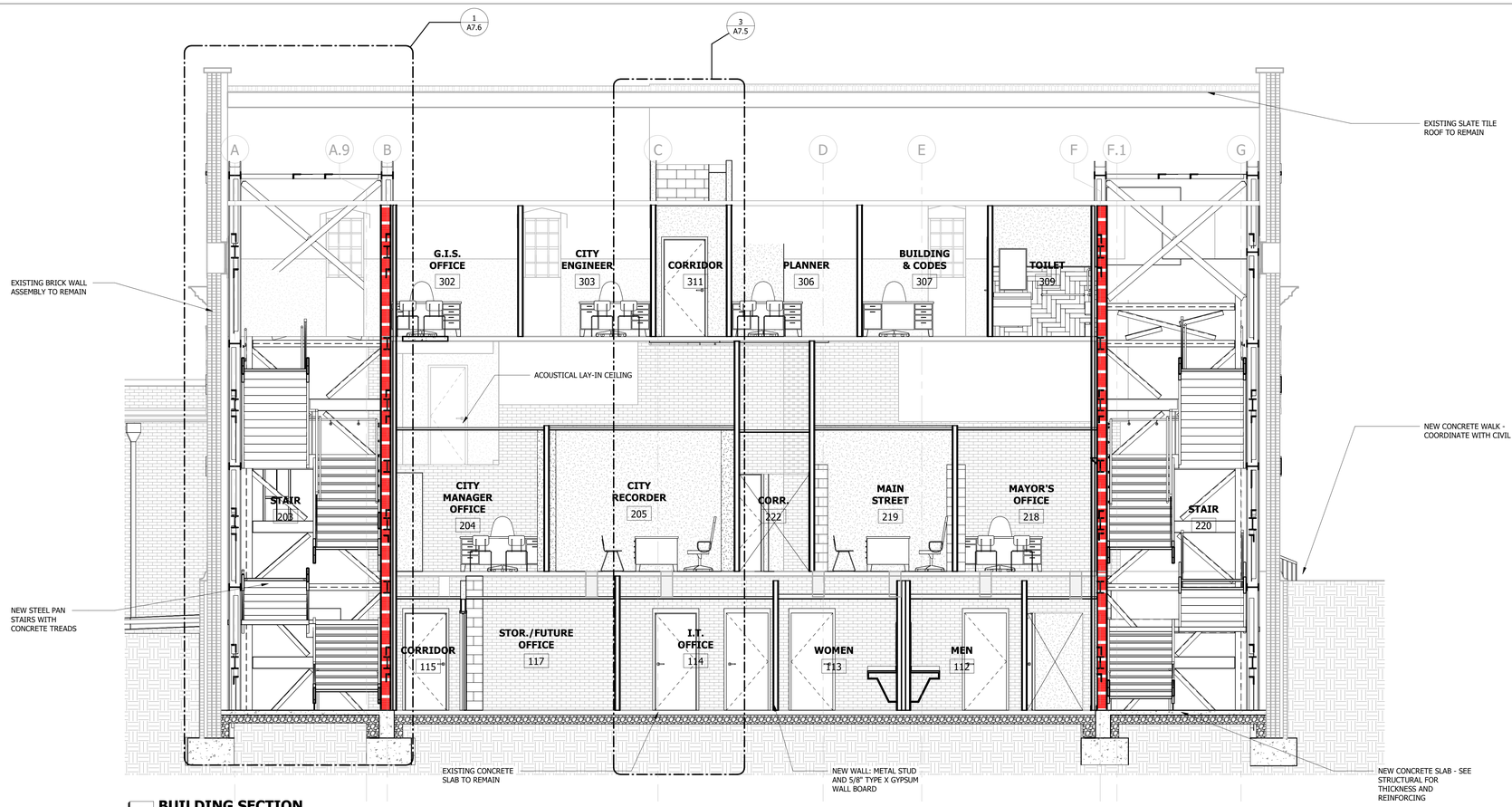
CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

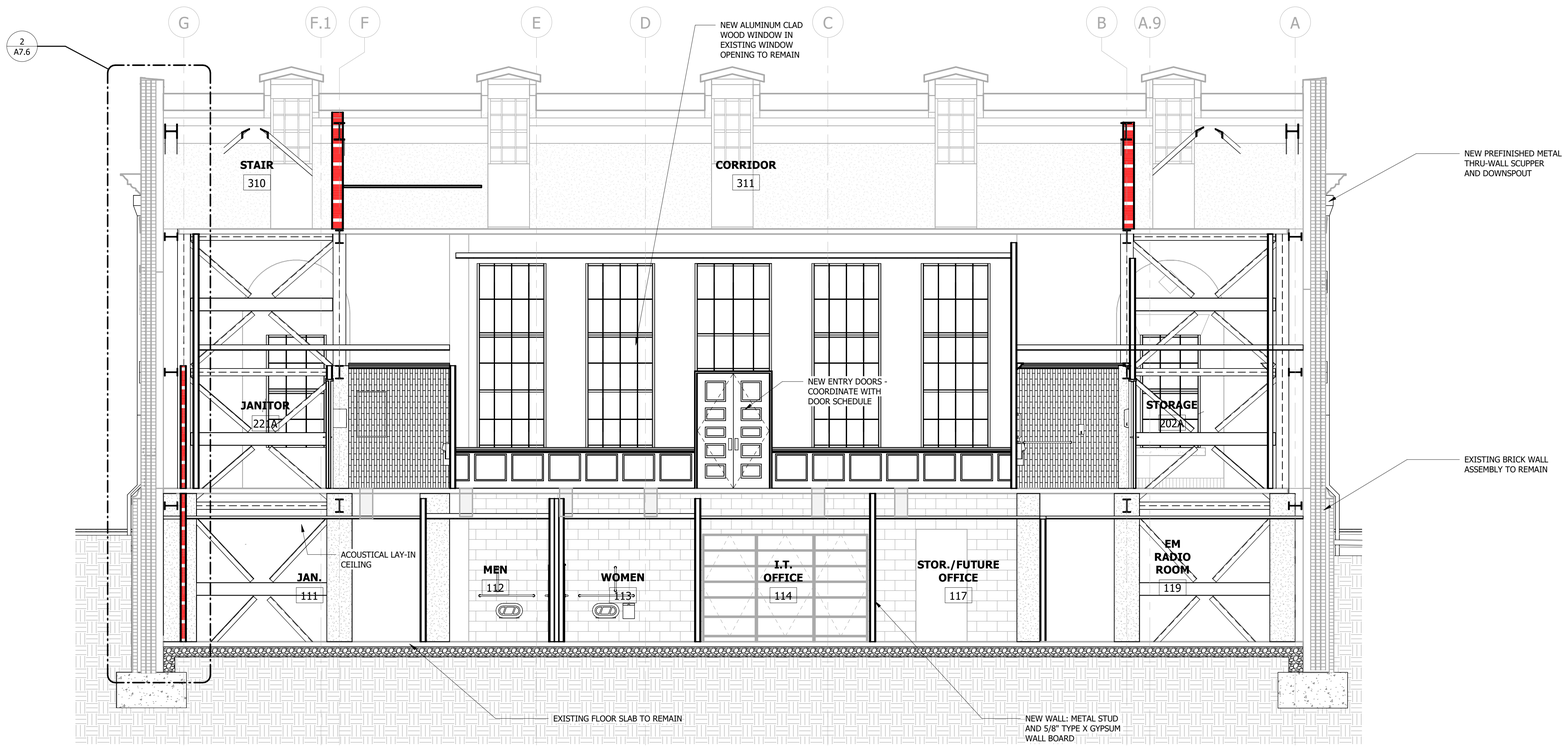
BUILDING SECTIONS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.1



1 BUILDING SECTION
1/4" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"

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Robert M Minz
1 Feb 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

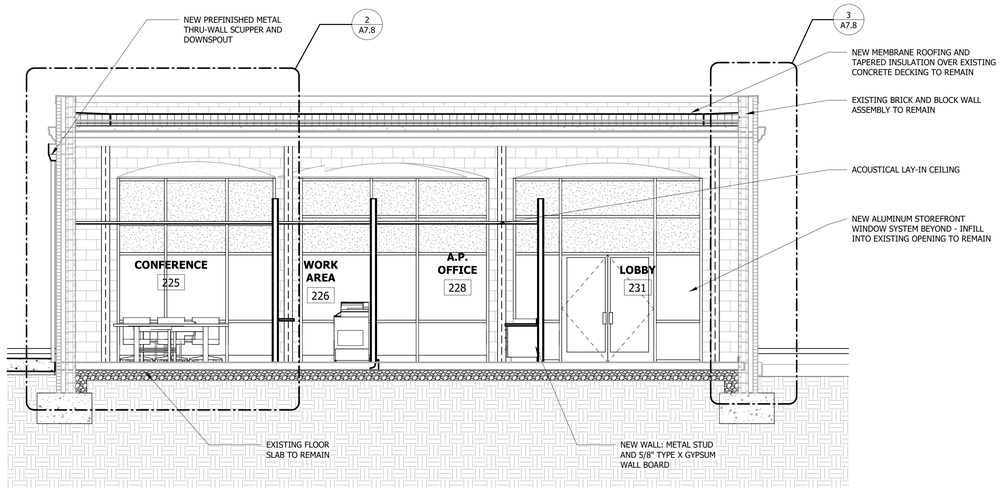
No.	Revision Description	Date

BUILDING SECTIONS

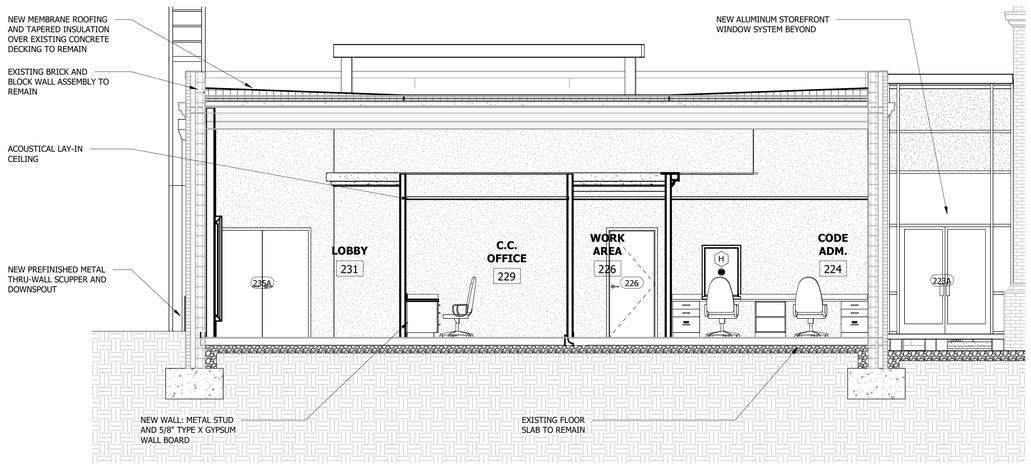
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.2

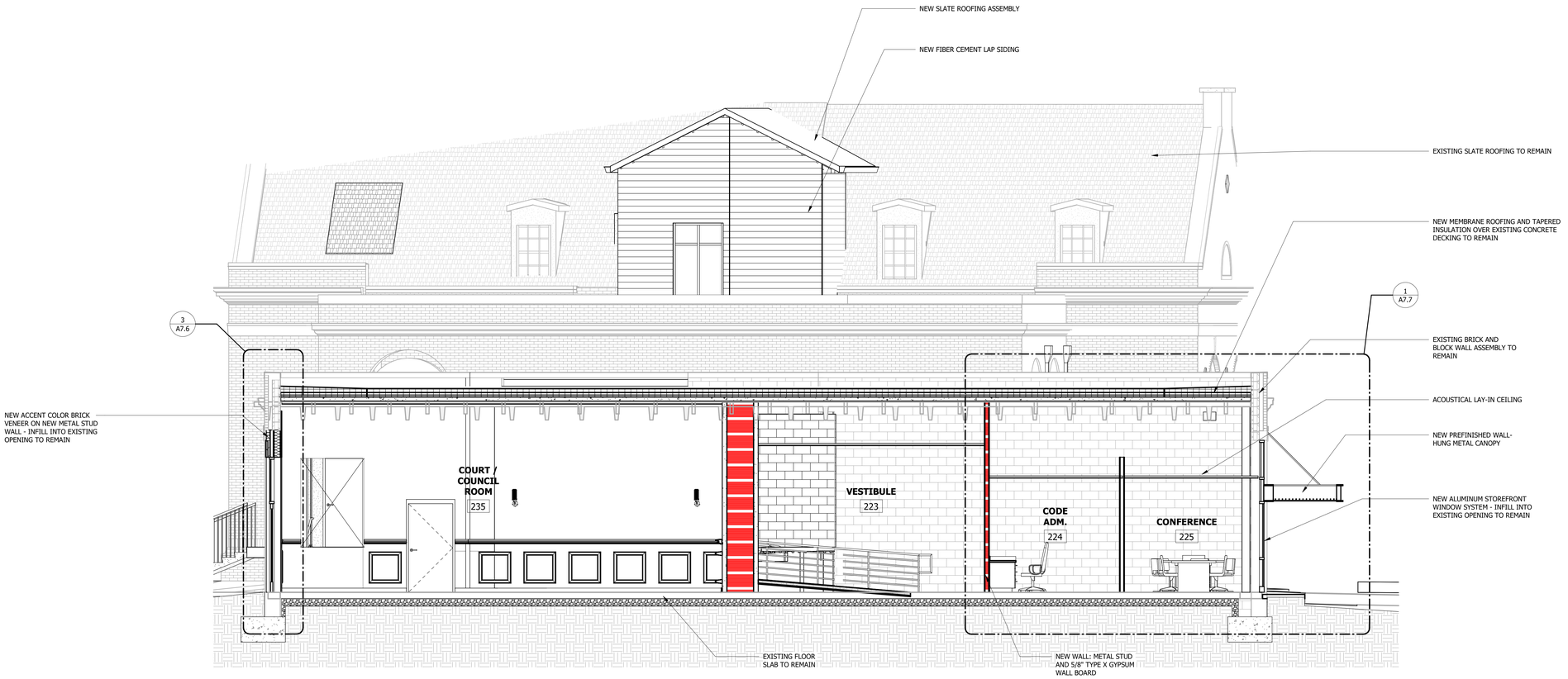
Plotted on: 2/9/2026 10:18:20 AM



1 BUILDING SECTION
1/4" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"



4 BUILDING SECTION
1/4" = 1'-0"

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Robert M Thomas
1 Feb 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

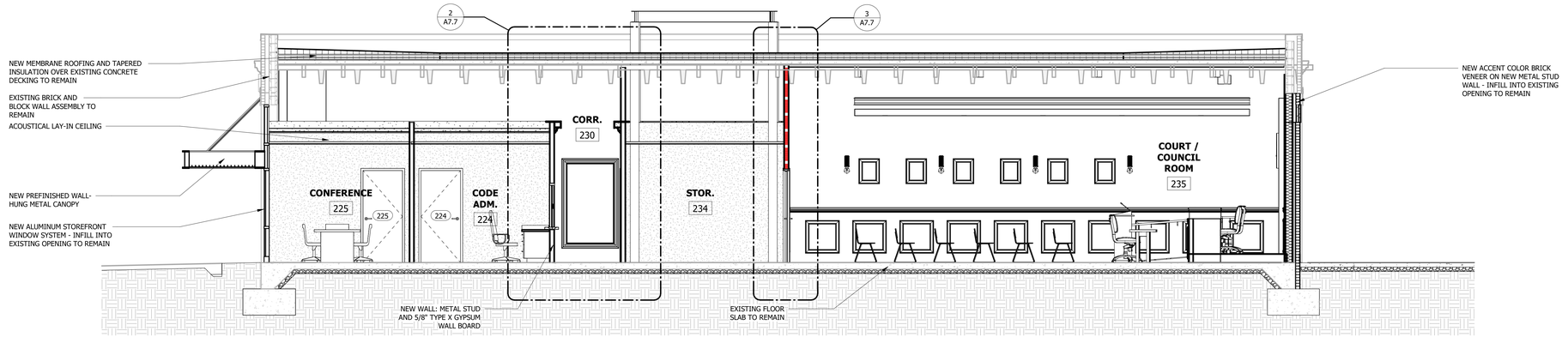
No.	Revision Description	Date

BUILDING SECTIONS

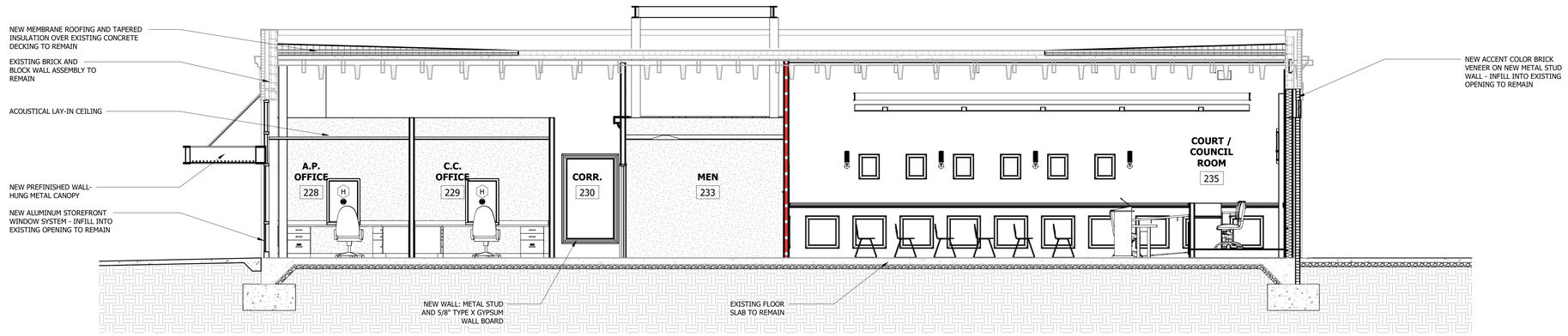
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.3

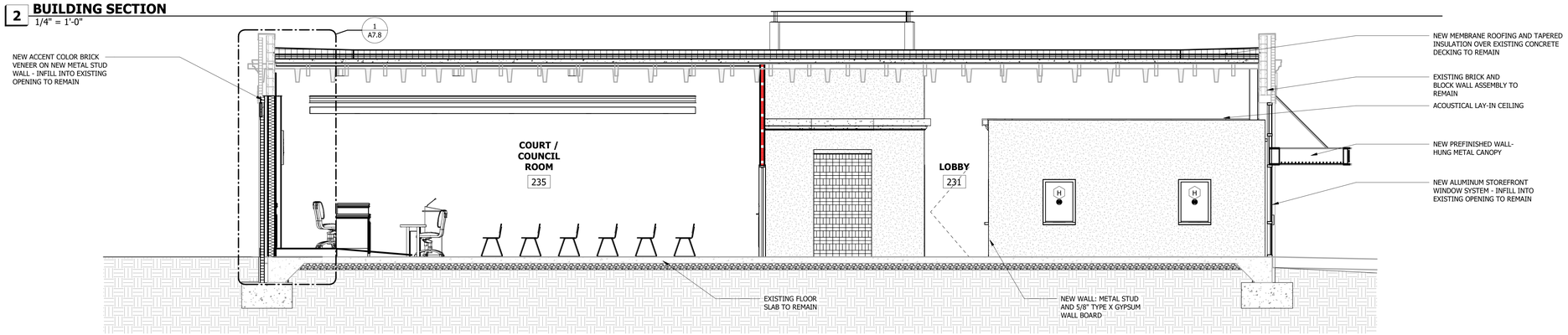
Plotted on: 2/9/2026 10:20:06 AM



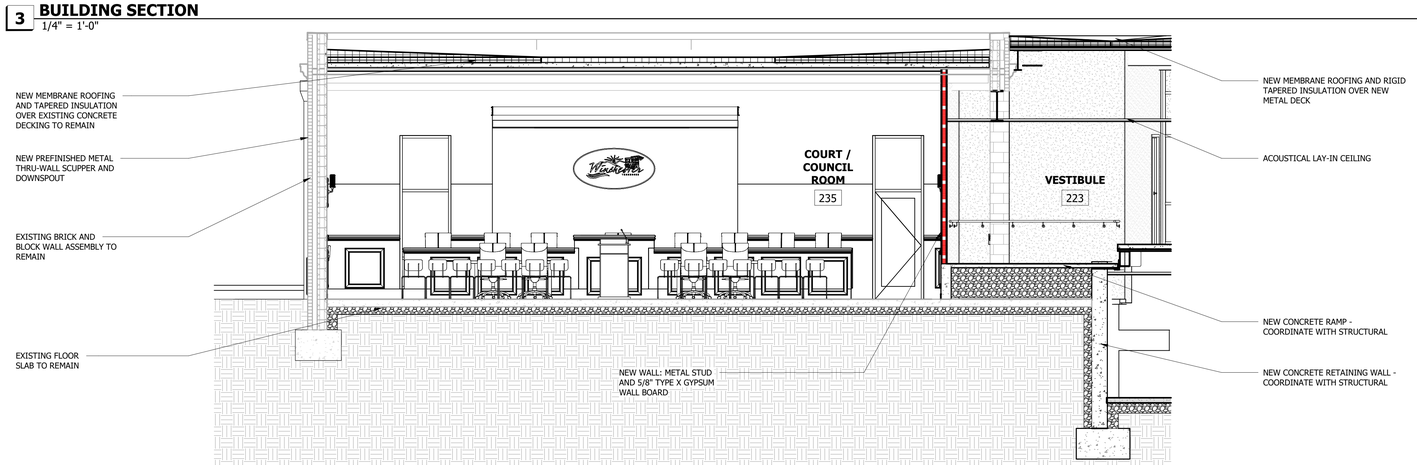
1 BUILDING SECTION
1/4" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"



3 BUILDING SECTION
1/4" = 1'-0"



4 BUILDING SECTION
1/4" = 1'-0"

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1/30/2026
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STATE OF TENNESSEE

WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

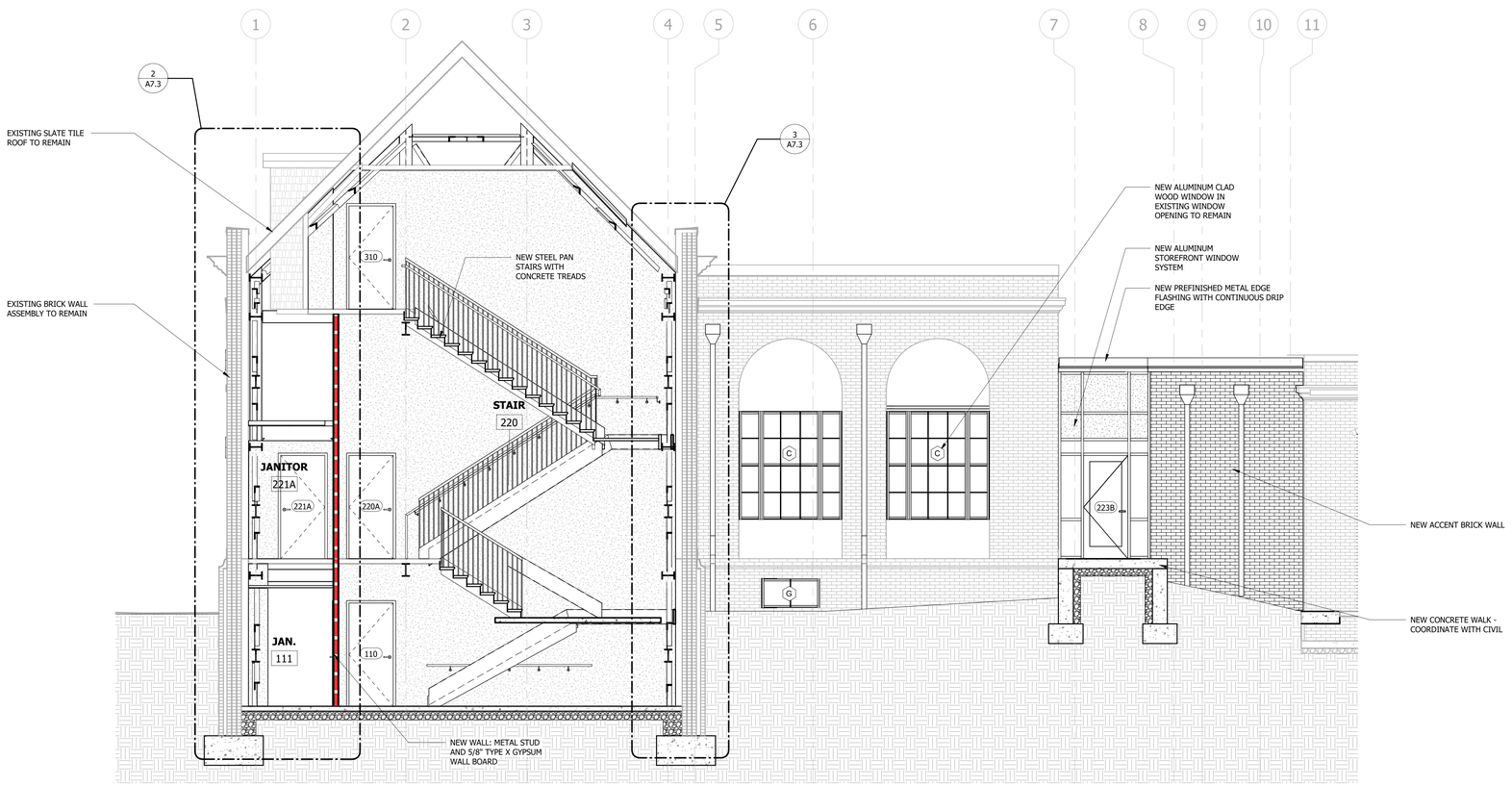
No.	Revision Description	Date

BUILDING SECTIONS

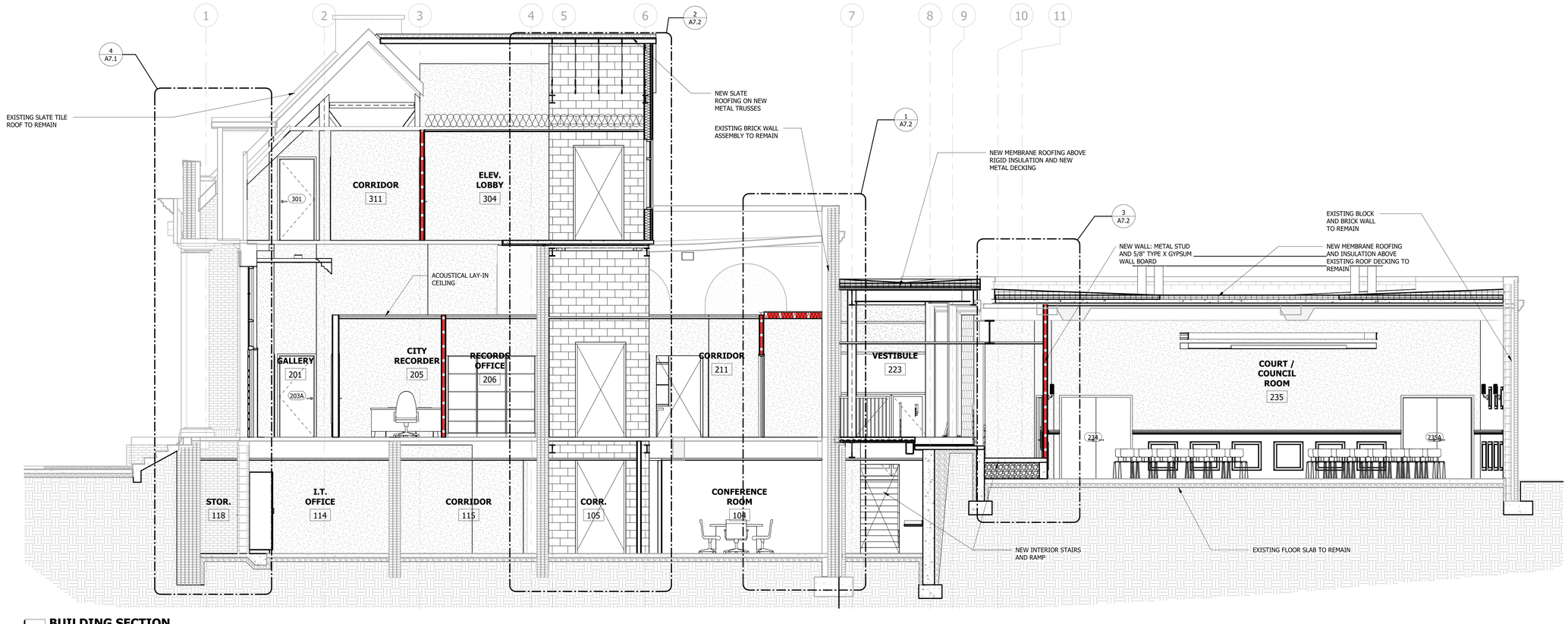
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.4

Plotted on: 2/9/2026 10:27:31 AM



1 **BUILDING SECTION**
1/4" = 1'-0"



2 **BUILDING SECTION**
1/4" = 1'-0"

Plotted on: 2/9/2026 10:28:33 AM

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Robert M Thomas
1 Feb 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

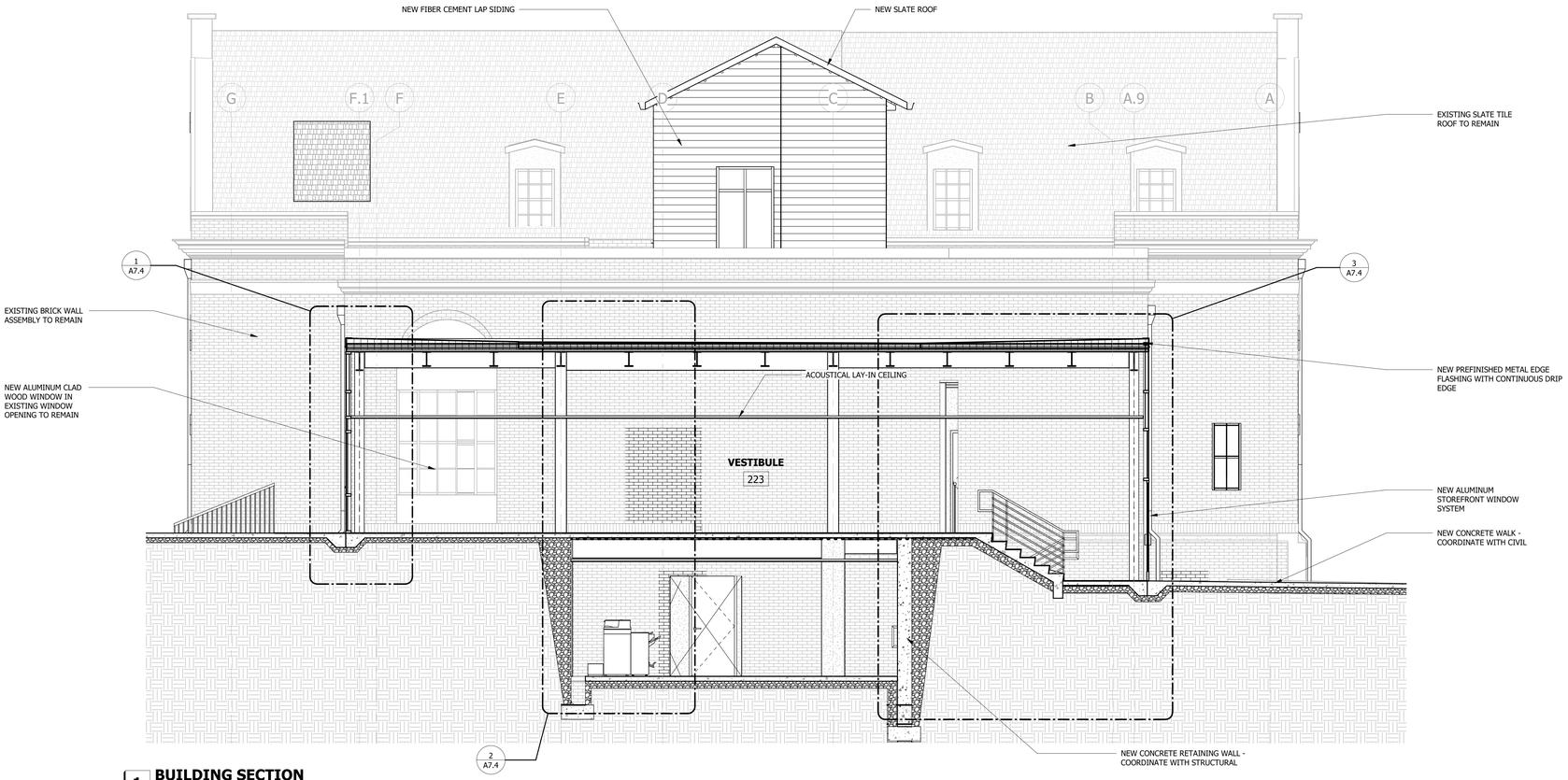
CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

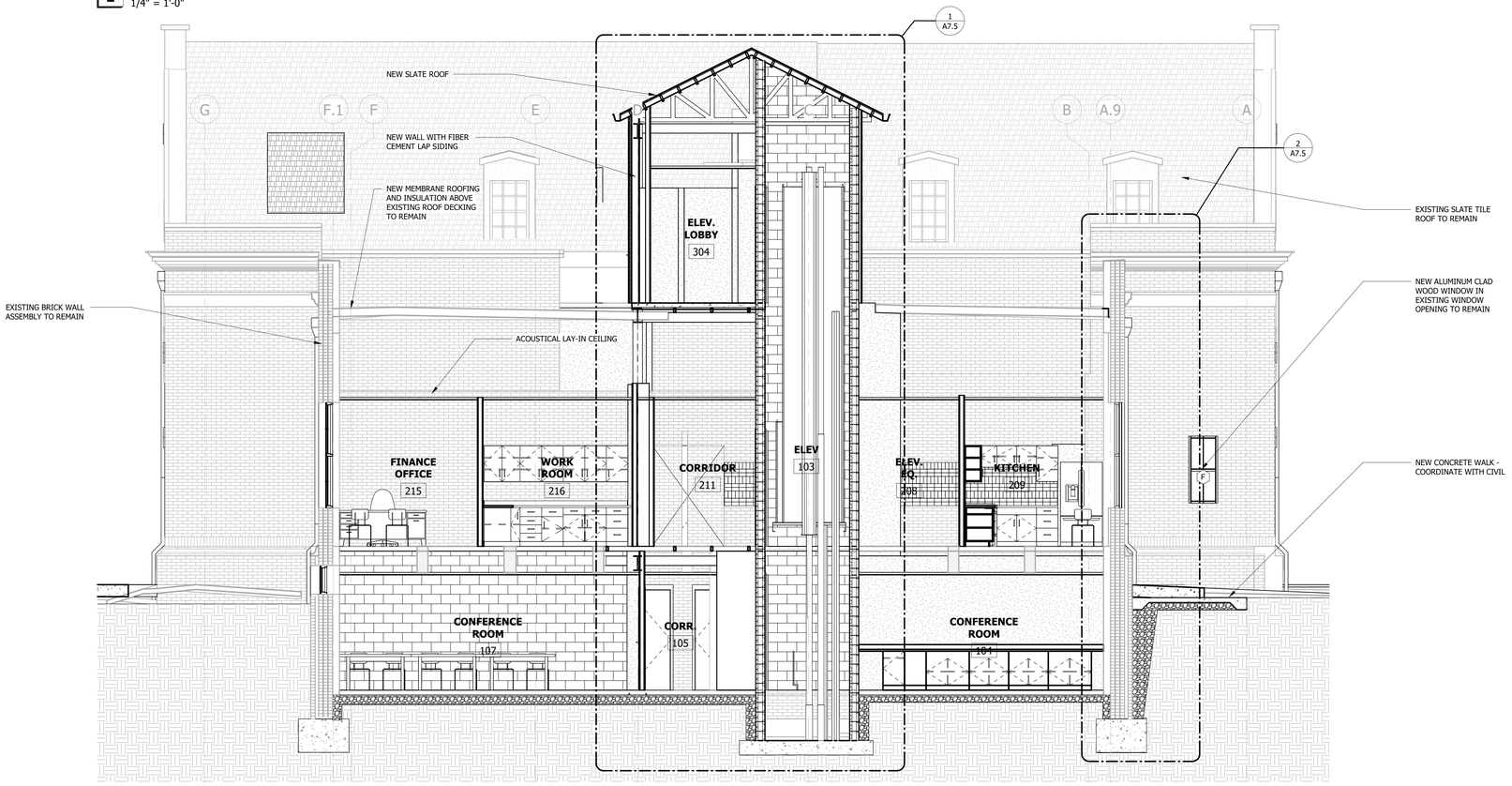
BUILDING SECTIONS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.5



1 BUILDING SECTION
1/4" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

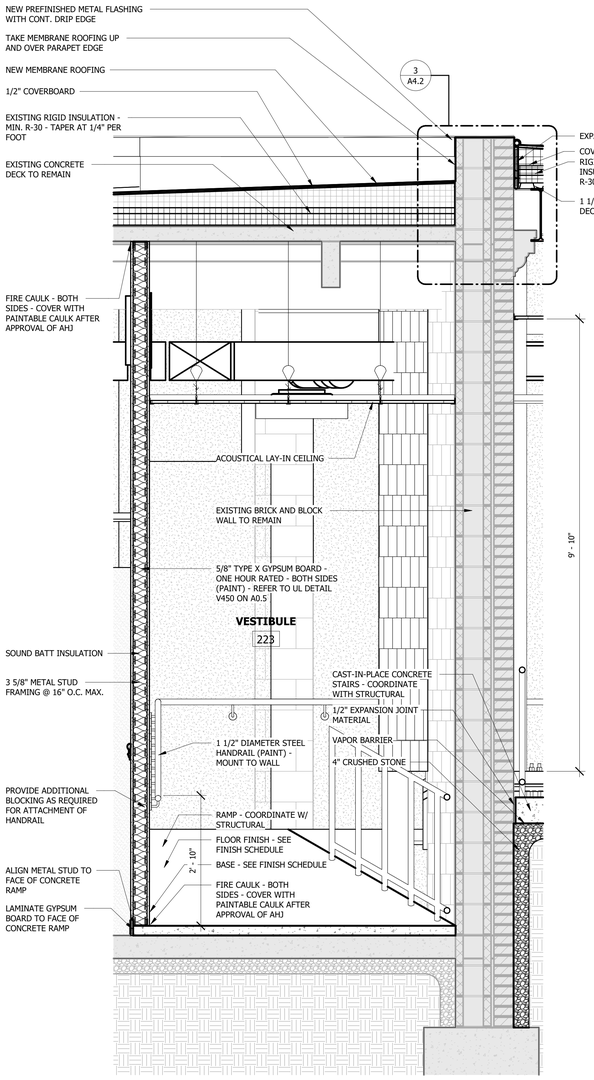
No.	Revision Description	Date

BUILDING SECTIONS

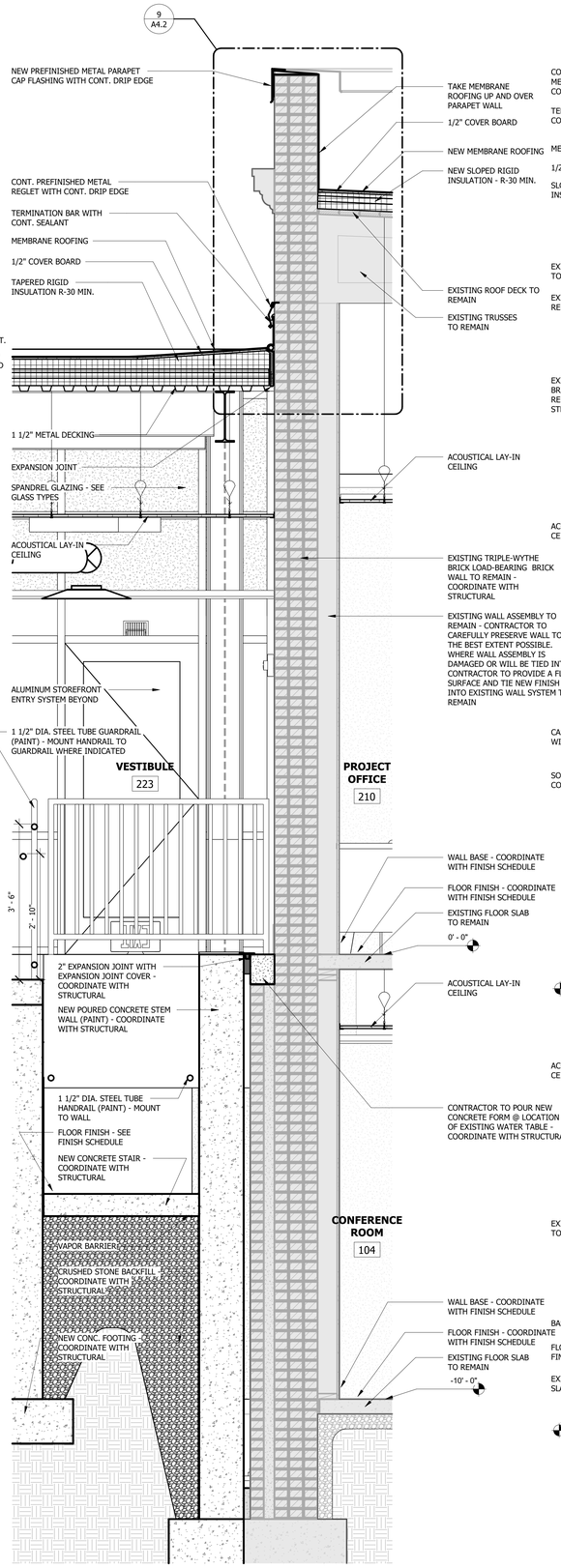
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A6.6

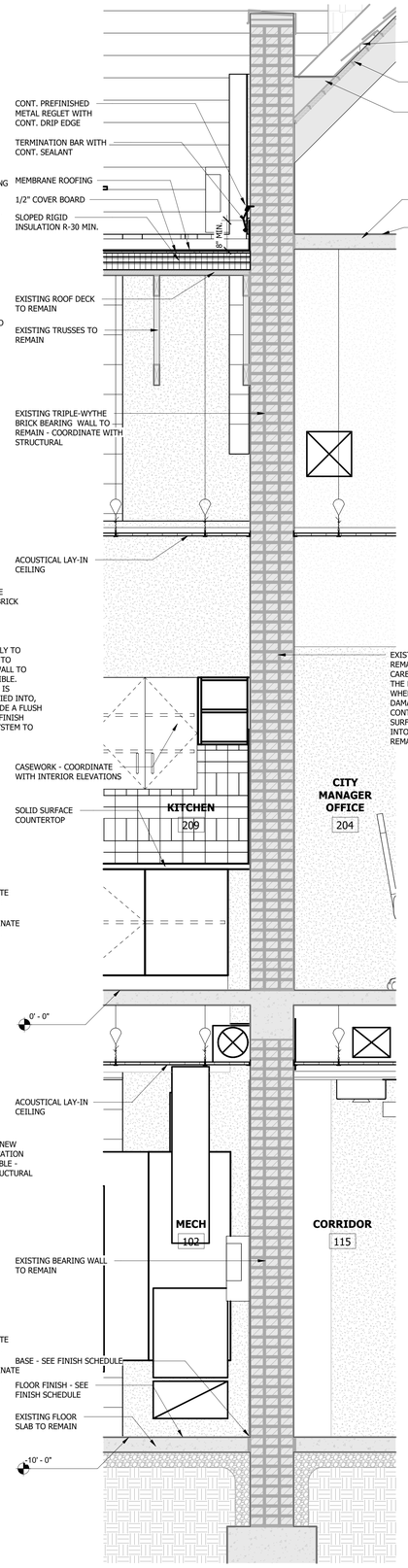
Plotted on: 2/9/2026 10:29:37 AM



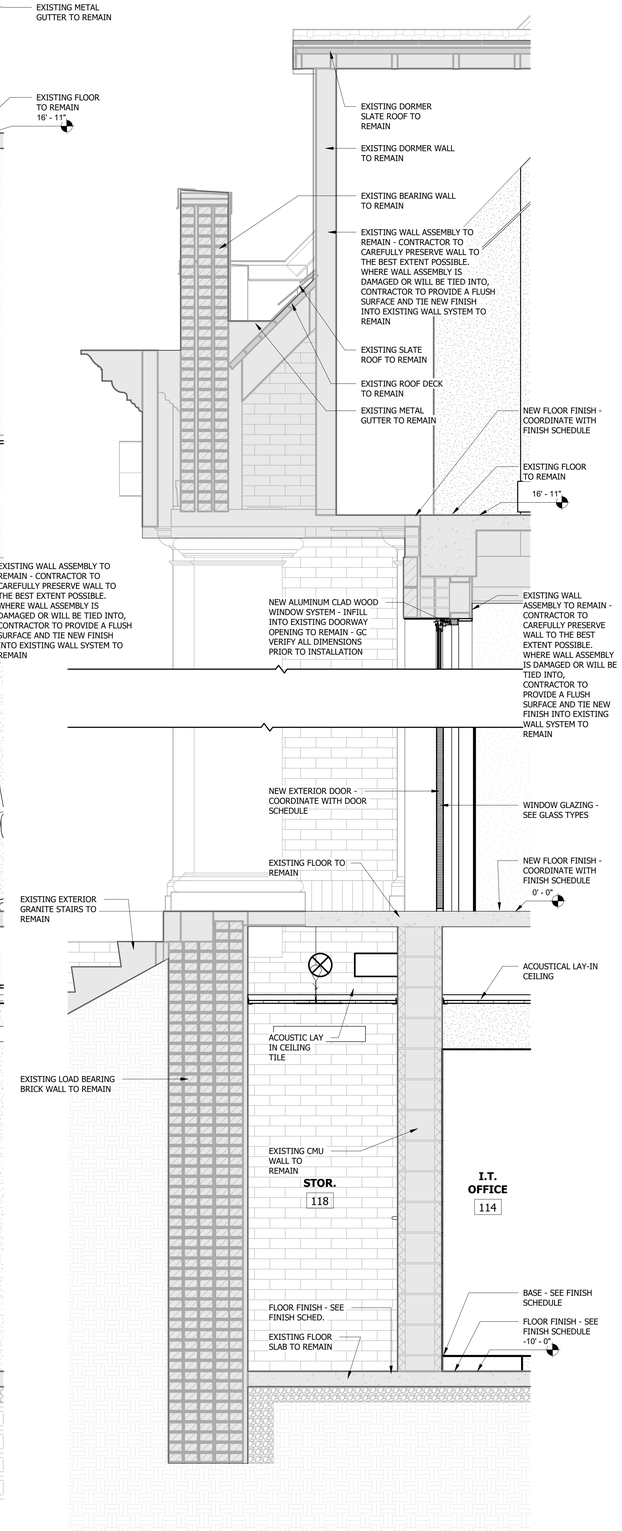
1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"



4 WALL SECTION
3/4" = 1'-0"

Plotted on: 2/9/2026 10:32:54 AM

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1 Oct 2026
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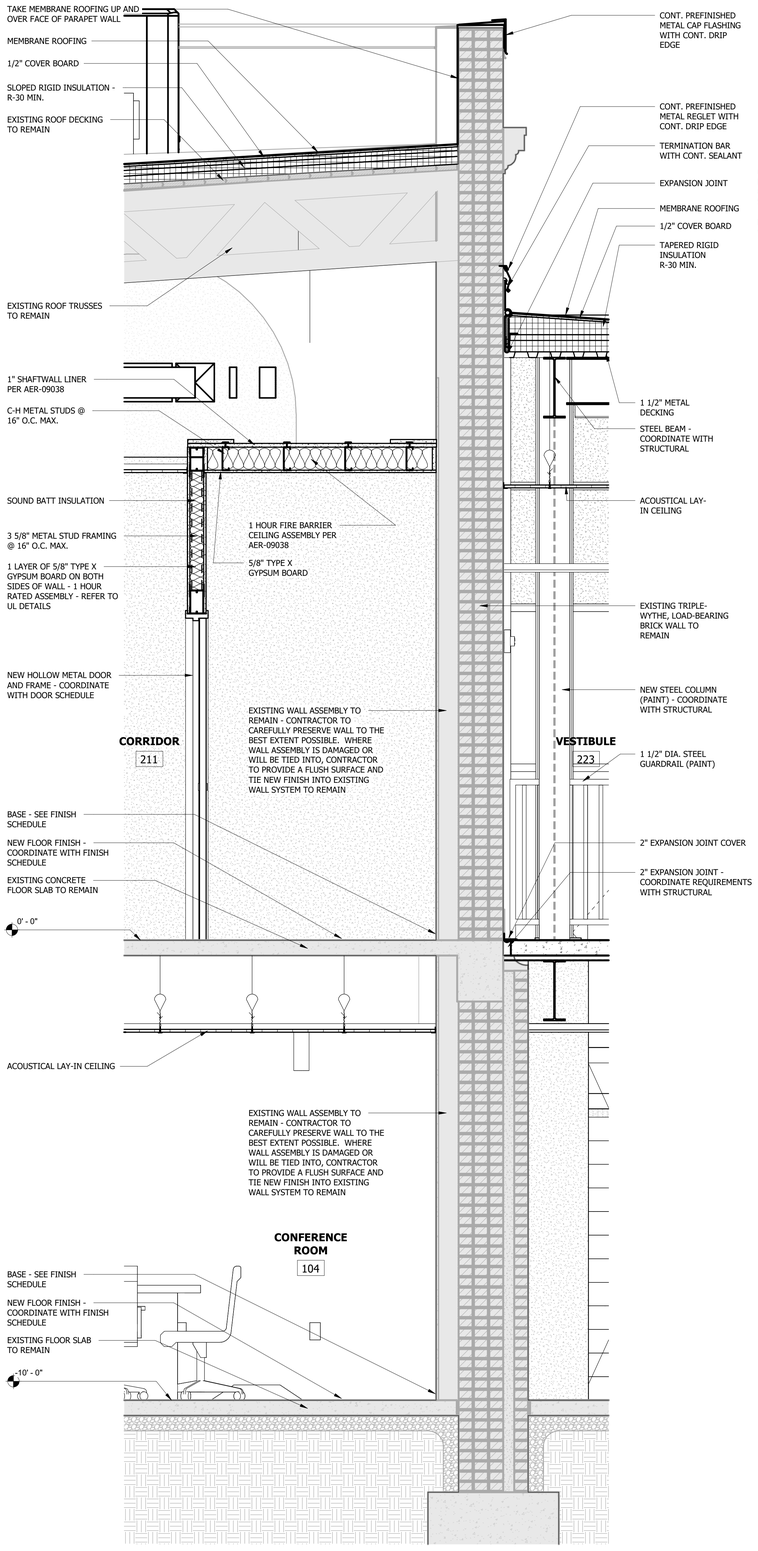
CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

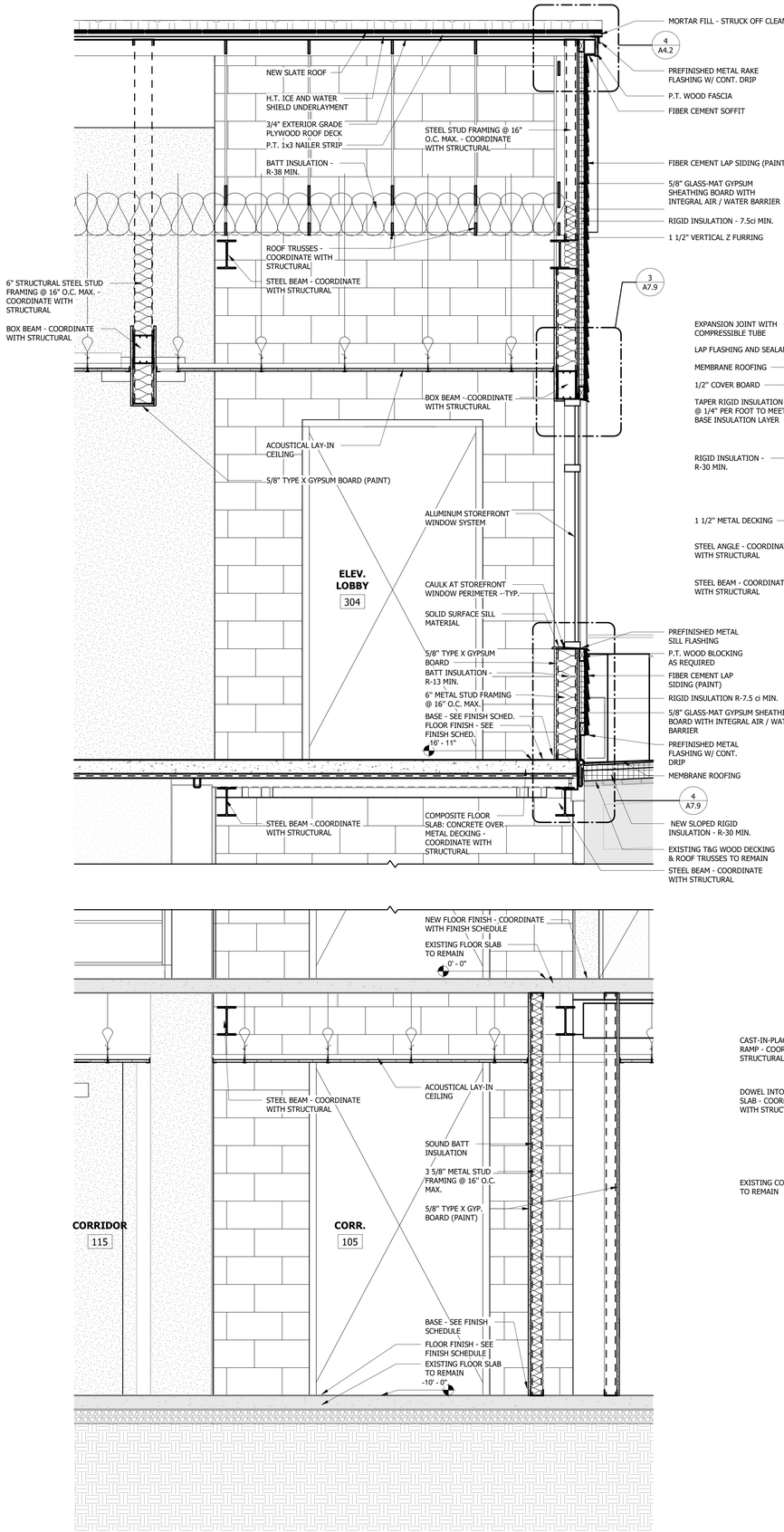
WALL SECTIONS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

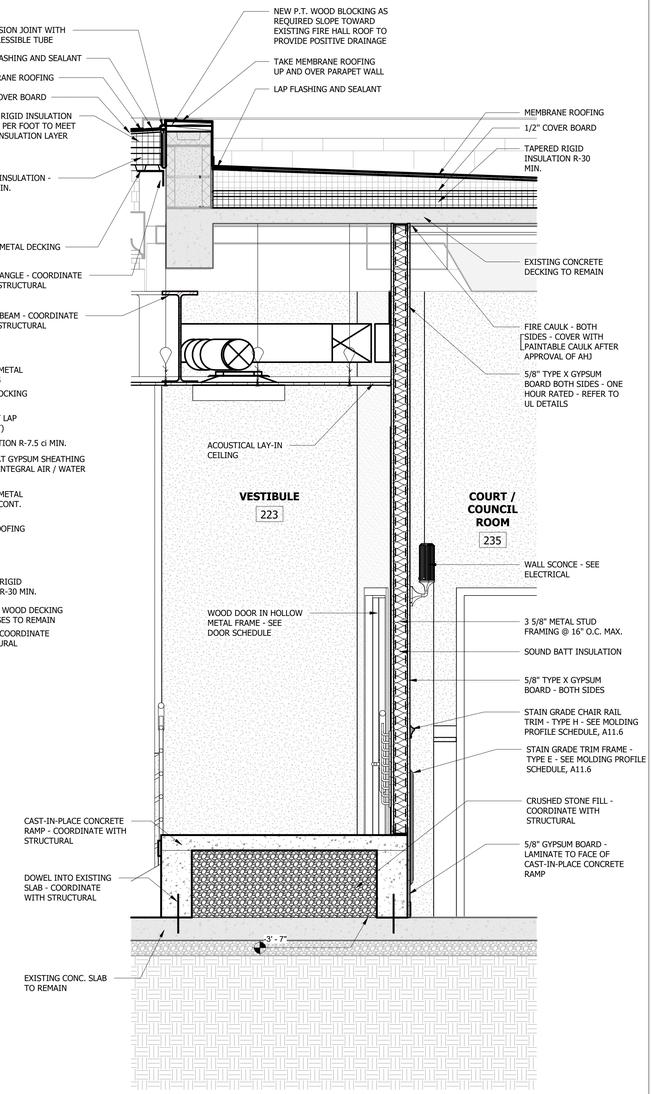
A7.1



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"

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No. 104654
STATE OF TENNESSEE
1 Feb 2026

WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

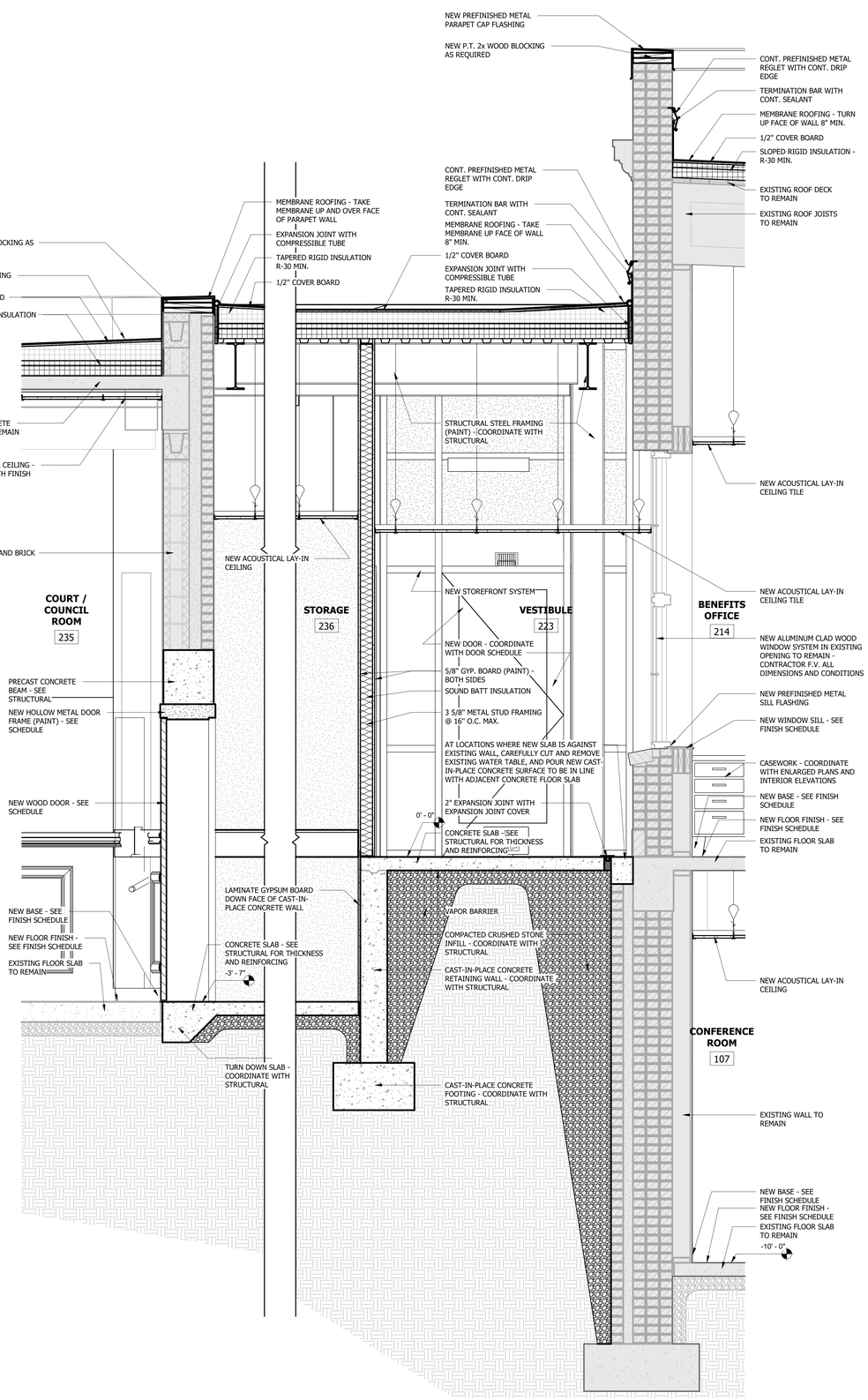
No.	Revision Description	Date

WALL SECTIONS

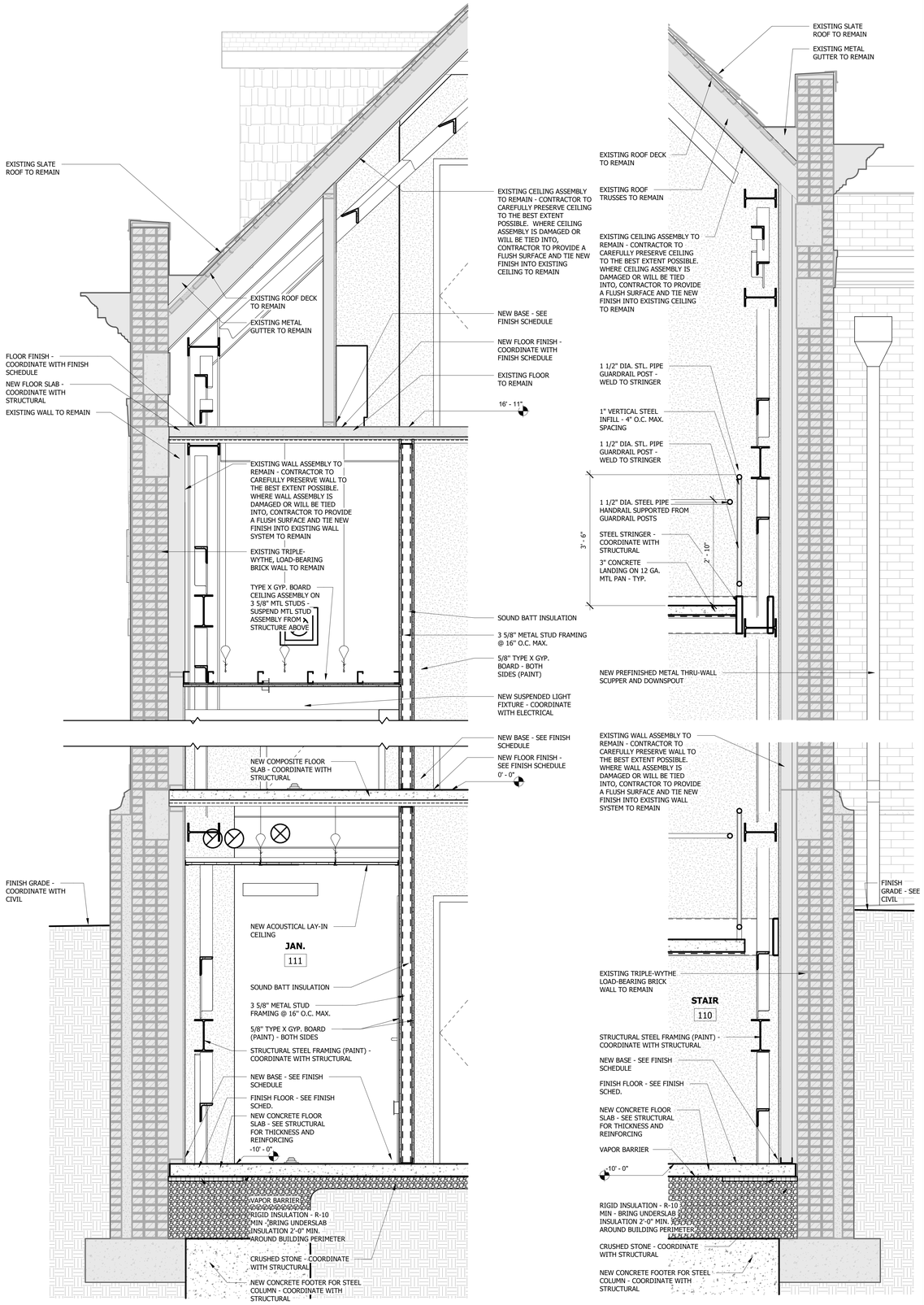
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.2

Plotted on: 2/9/2026 10:34:31 AM



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"

3 WALL SECTION
3/4" = 1'-0"

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1 Feb 2026

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CITY OF WINCHESTER, TENNESSEE

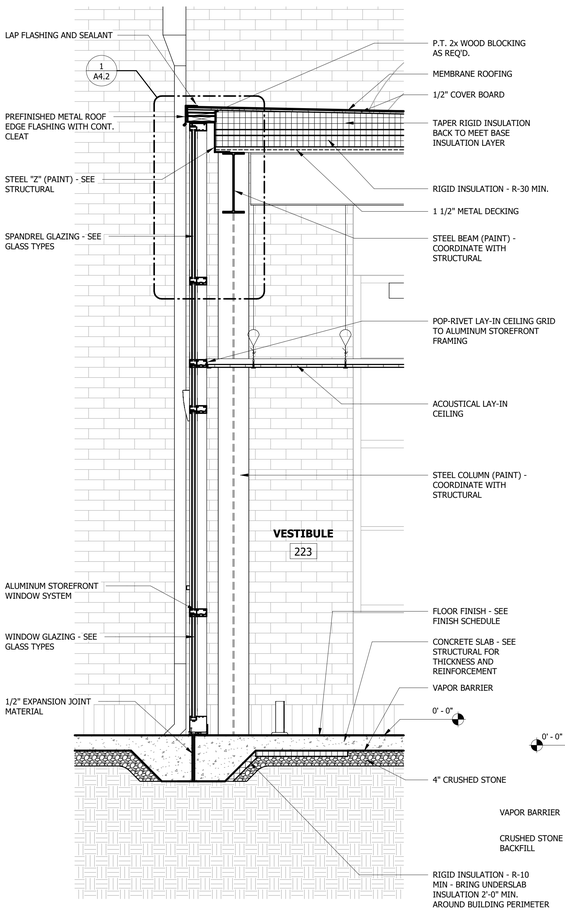
No.	Revision Description	Date

WALL SECTIONS

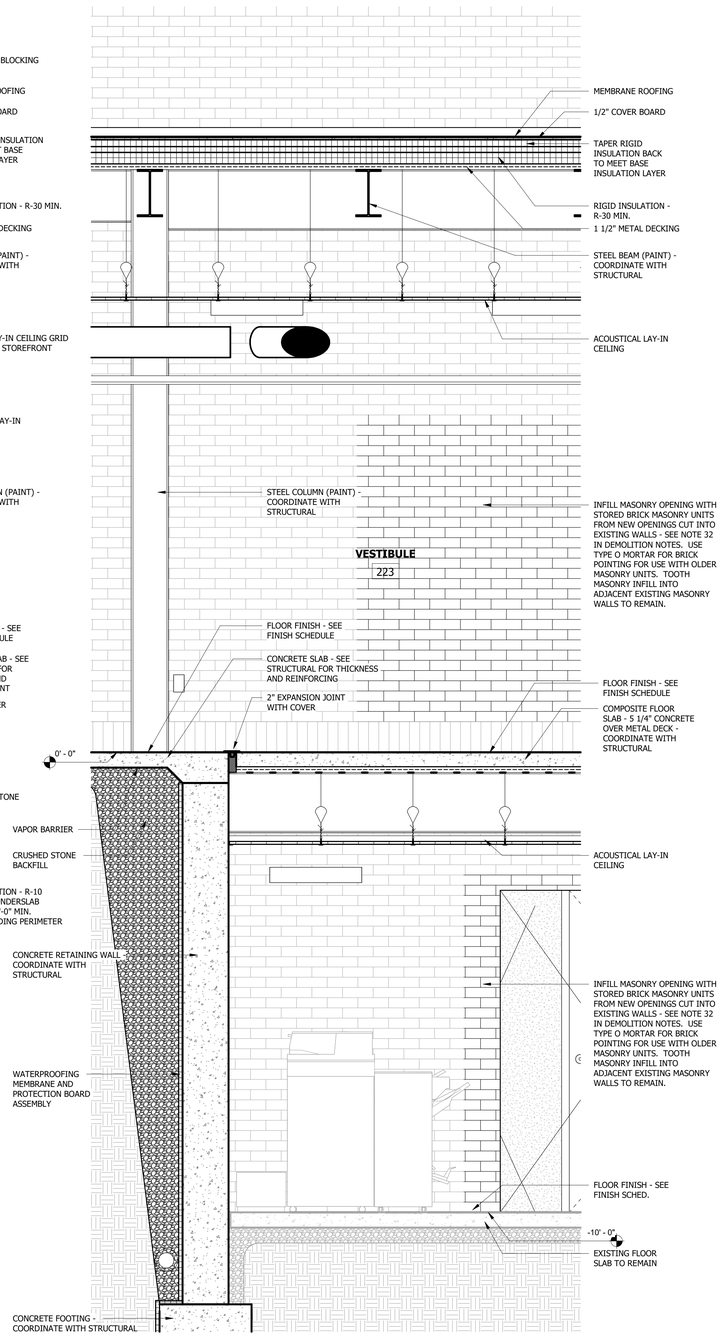
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.3

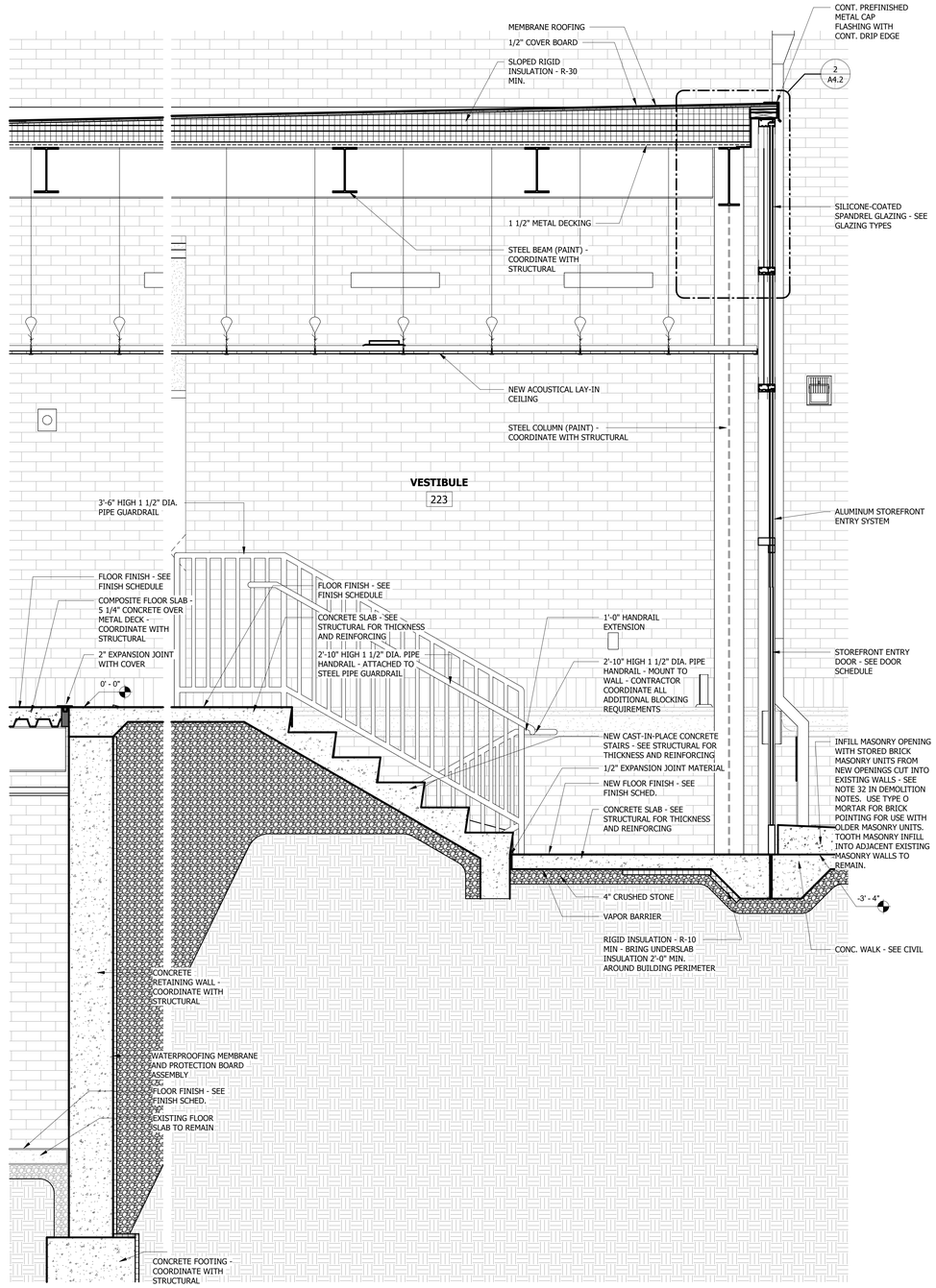
Plotted on: 2/9/2026 10:37:21 AM



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"

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ROBERT MICHAEL THOMAS
REGISTERED ARCHITECT
Robert M Thomas
1 Oct 2024
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

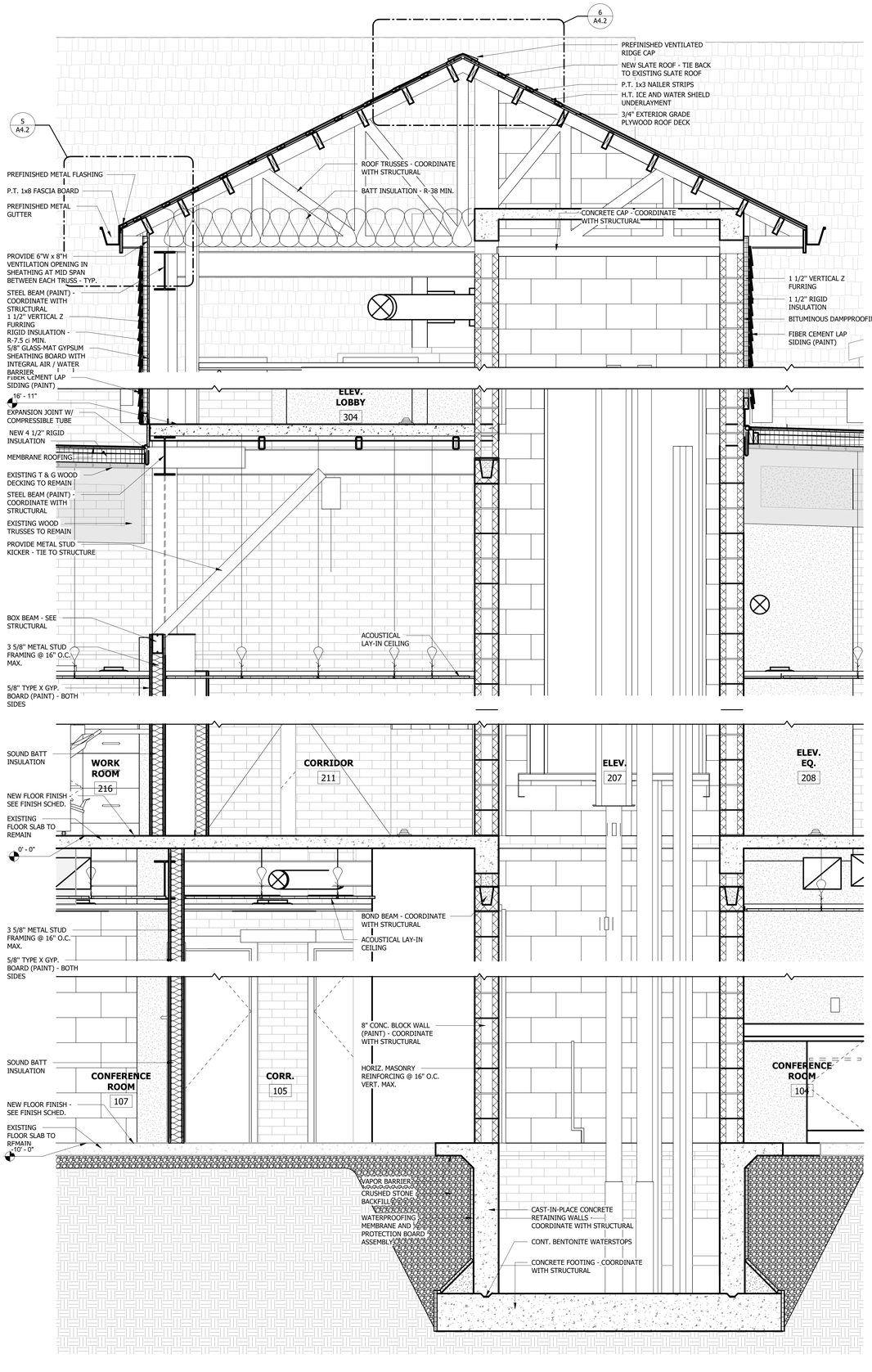
No.	Revision Description	Date

WALL SECTIONS

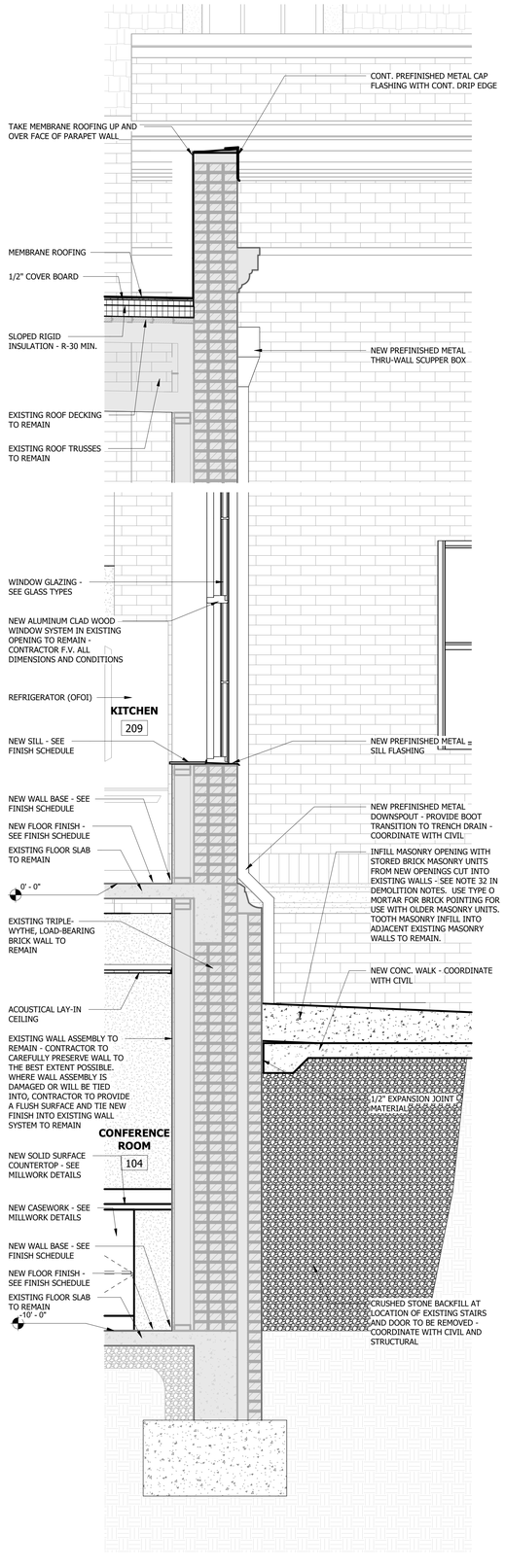
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.4

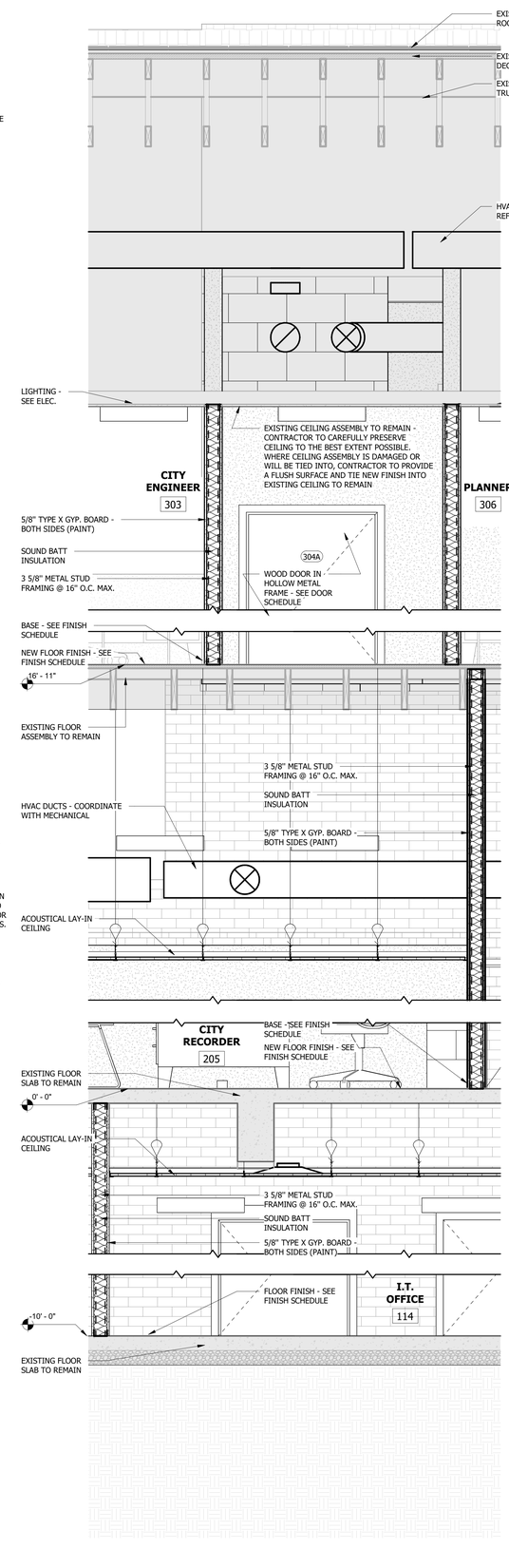
Plotted on: 2/9/2026 10:45:16 AM



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"

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ROBERT MICHAEL THOMAS REGISTERED ARCHITECT No. 104462 STATE OF TENNESSEE
1 FOR 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

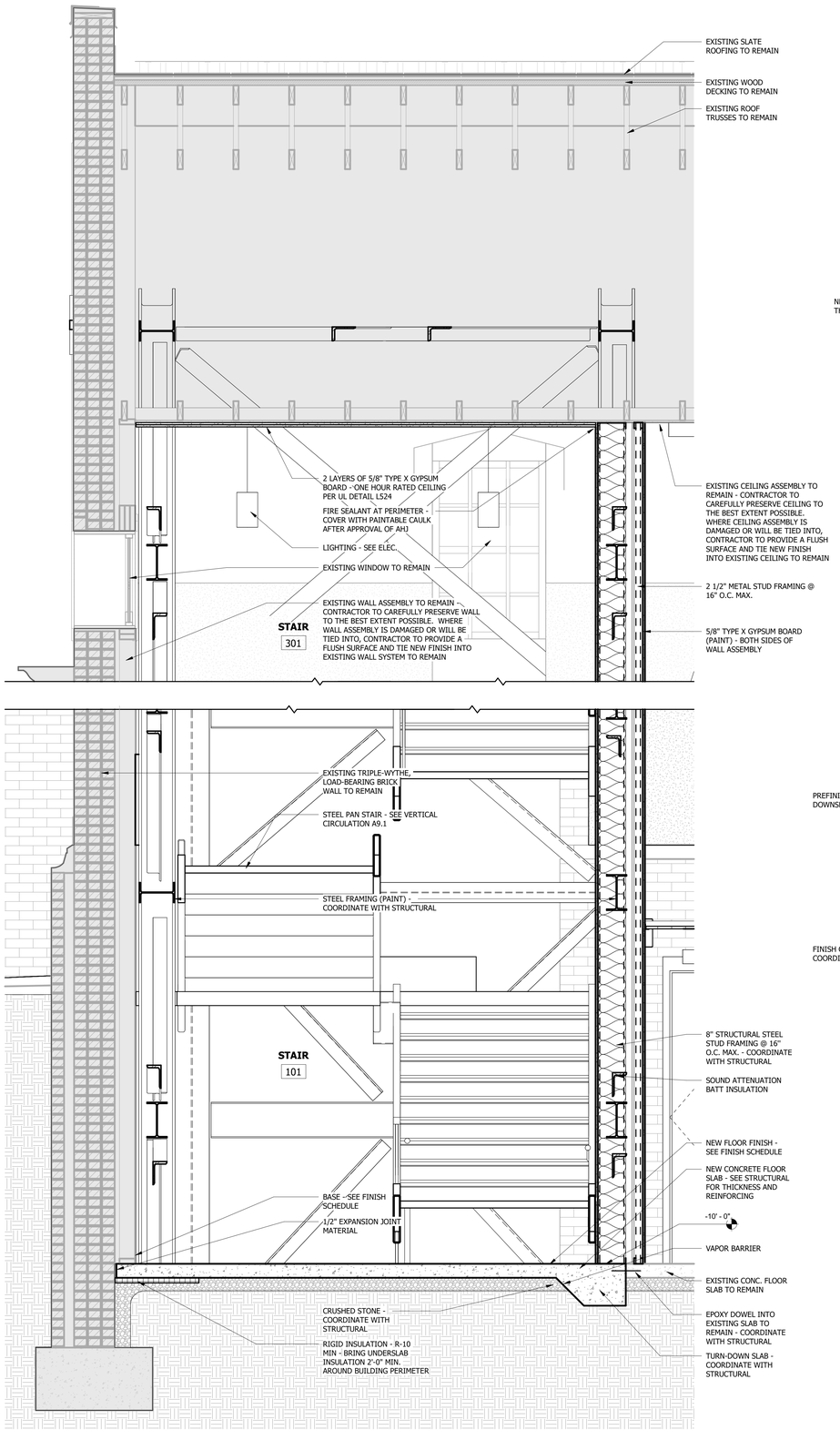
No.	Revision Description	Date

WALL SECTIONS

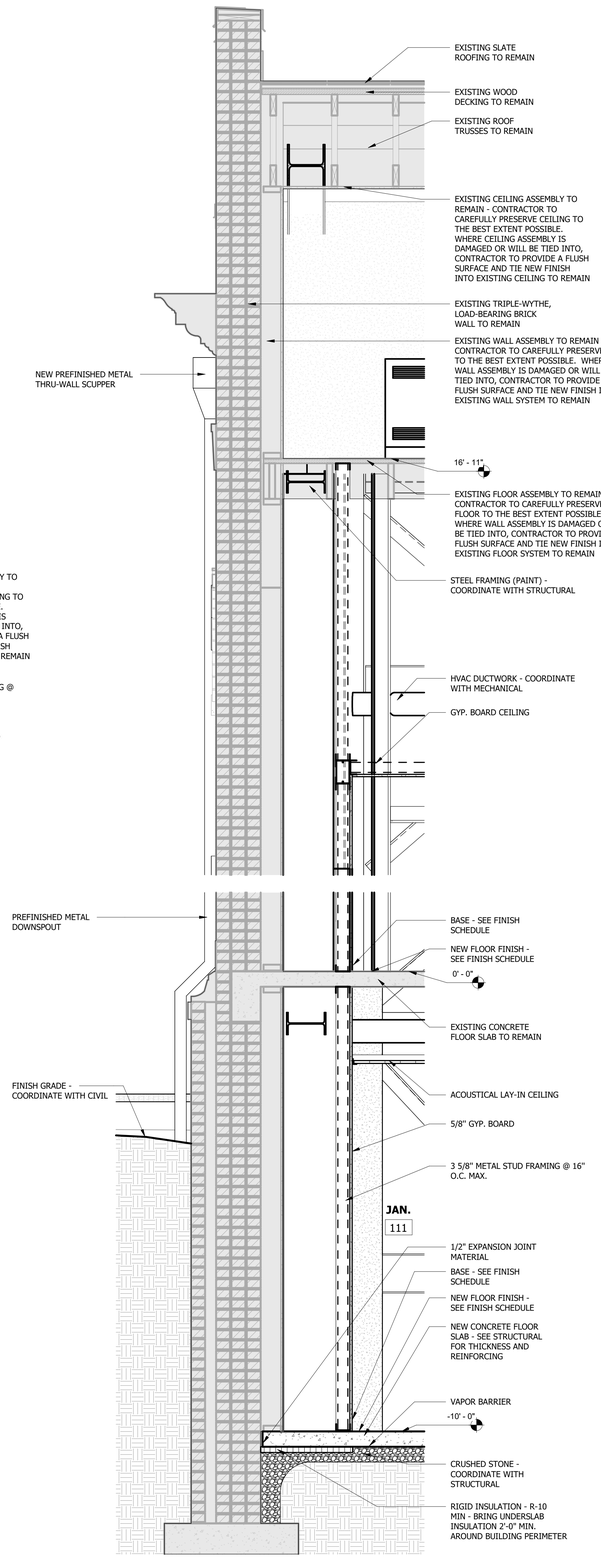
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.5

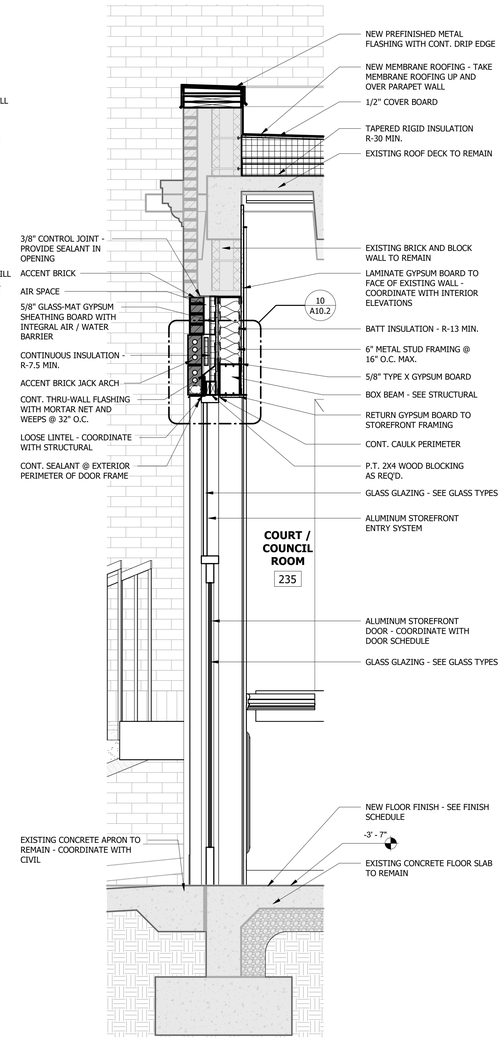
Plotted on: 2/9/2026 10:47:38 AM



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



2 **WALL SECTION**
3/4" = 1'-0"



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

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ROBERT MICHAEL THOMAS
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Robert M Thomas
1 FEB 2026
No. 101460
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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

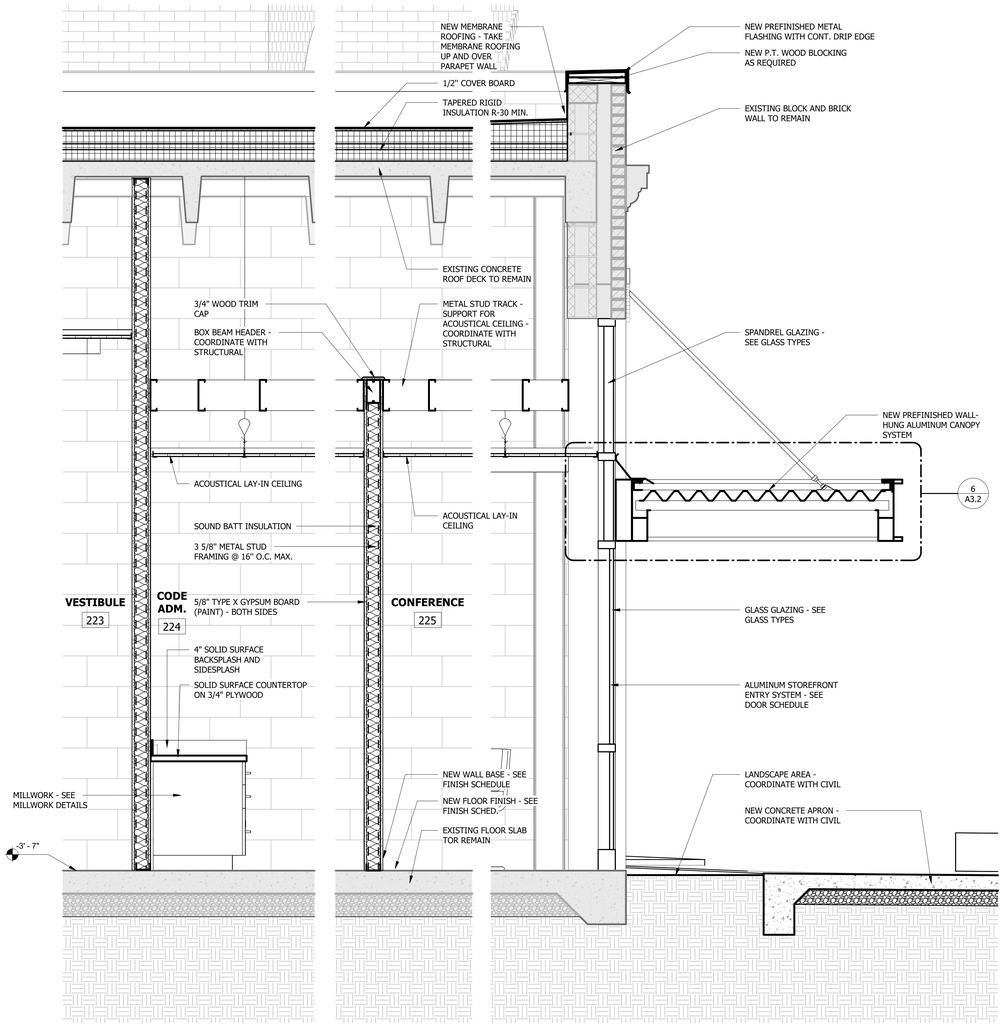
No.	Revision Description	Date

WALL SECTIONS

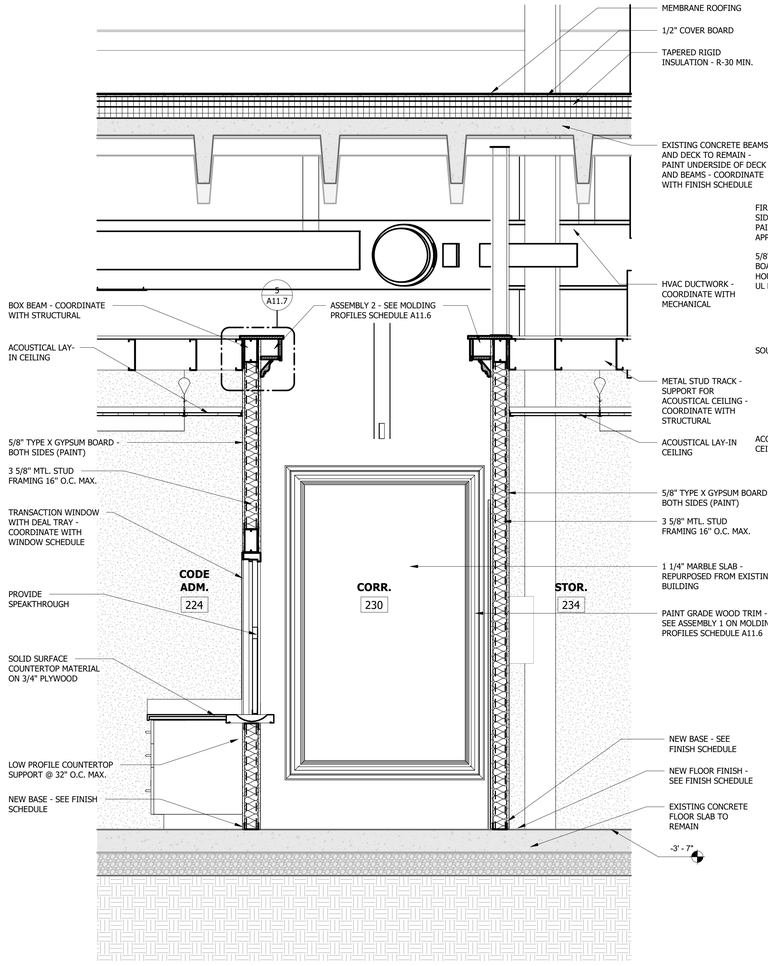
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.6

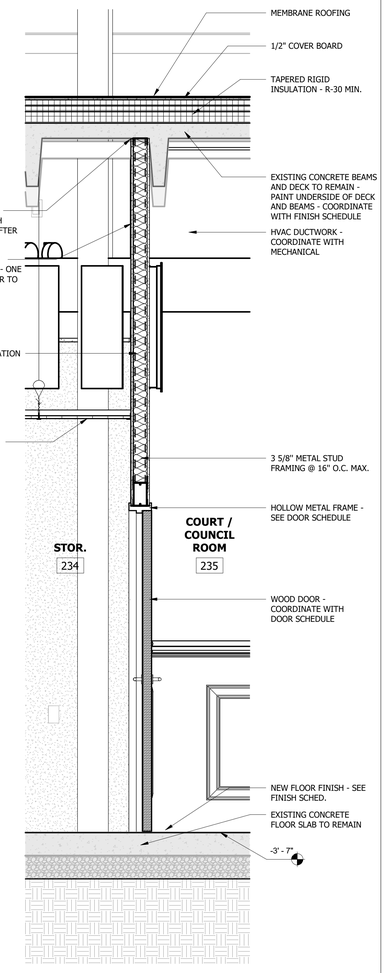
Plotted on: 2/9/2026 10:49:24 AM



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"

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Robert M Thomas
1/9/2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

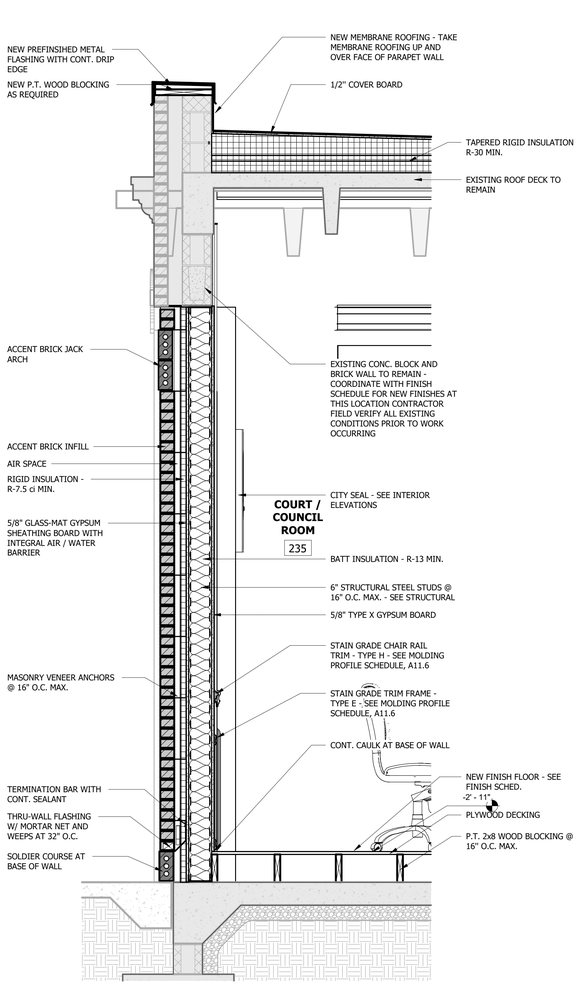
No.	Revision Description	Date

WALL SECTIONS

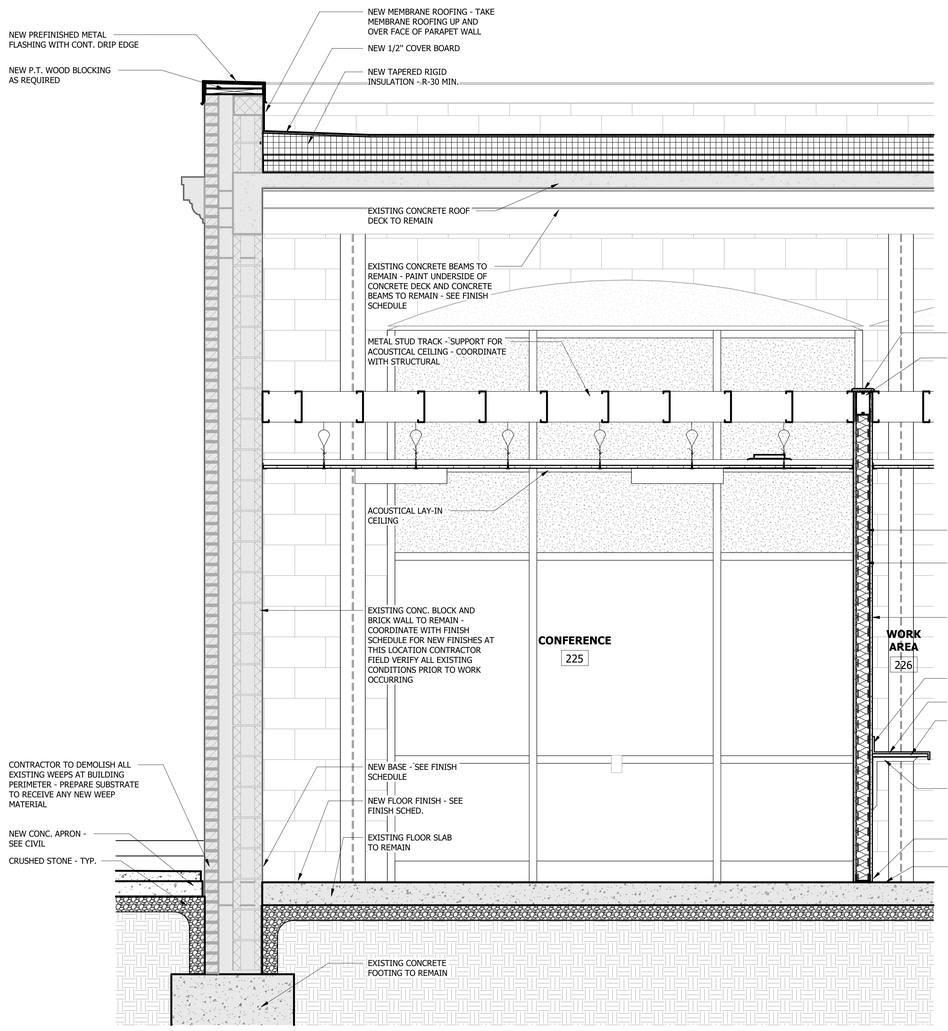
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.7

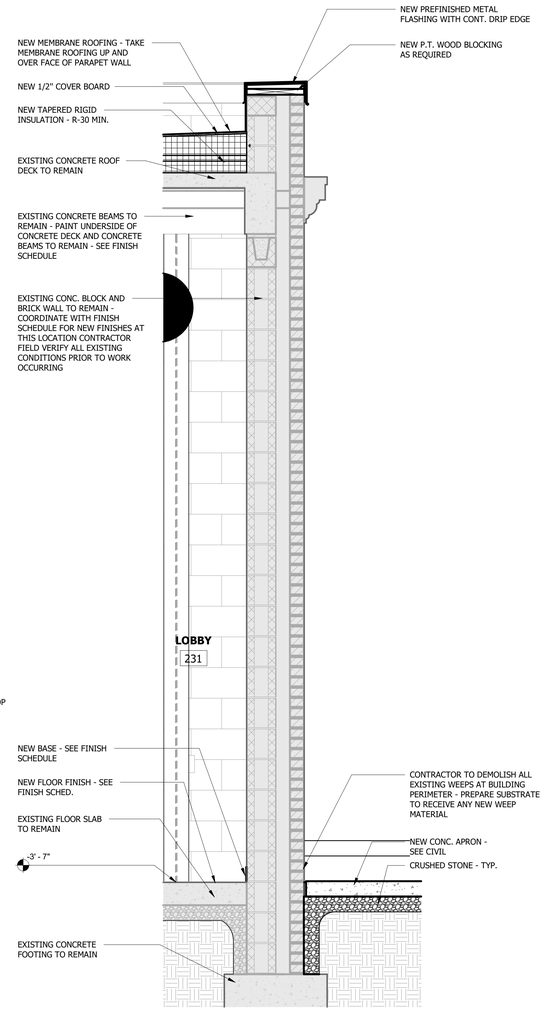
Platted on: 2/9/2026 10:50:24 AM



1 WALL SECTION
3/4" = 1'-0"



2 WALL SECTION
3/4" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"

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1/30/2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

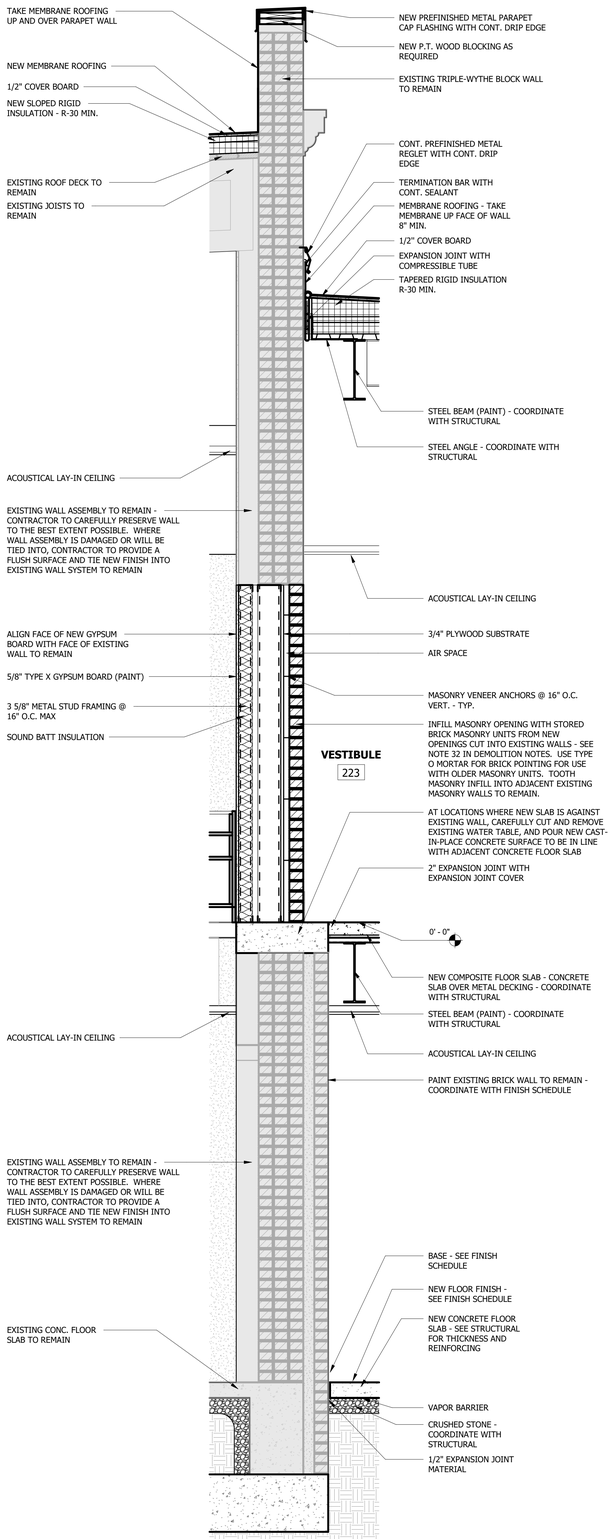
No.	Revision Description	Date

WALL SECTIONS

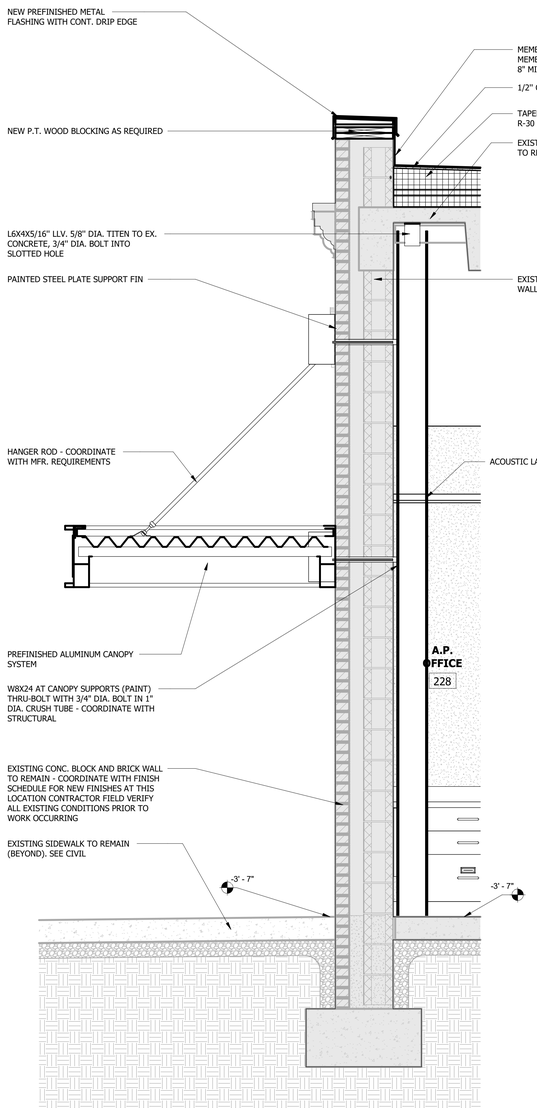
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.8

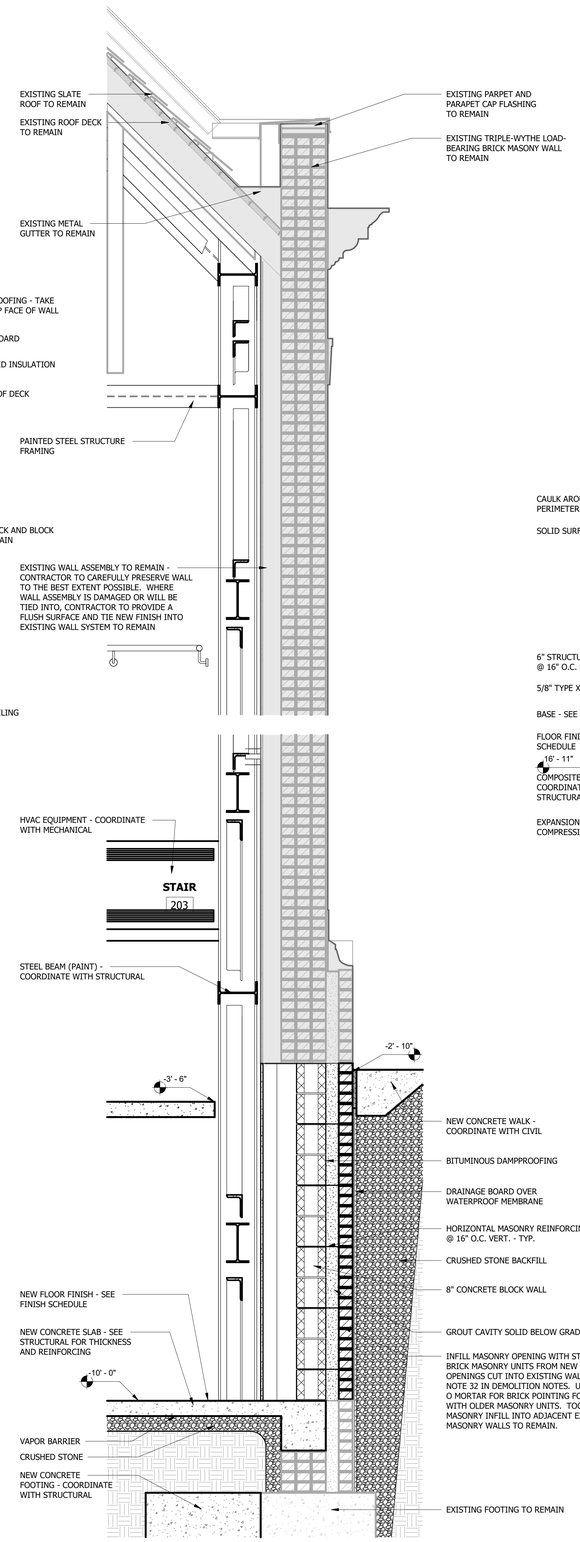
Plotted on: 2/9/2026 10:51:22 AM



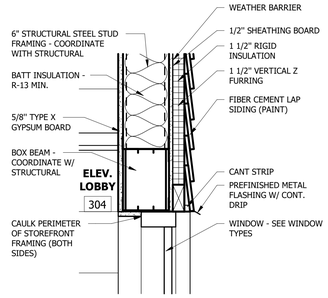
1 WALL SECTION
3/4" = 1'-0"



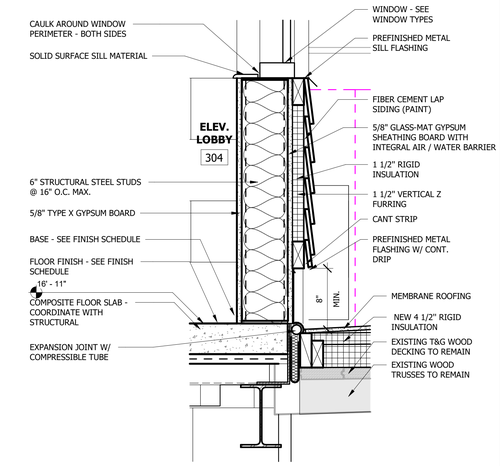
2 WALL SECTIONS
3/4" = 1'-0"



5 WALL SECTIONS
3/4" = 1'-0"



3 SECTION DETAIL
1 1/2" = 1'-0"



4 SECTION DETAIL
1 1/2" = 1'-0"

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REGISTERED ARCHITECT
Robert M Thomas
1/30/2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

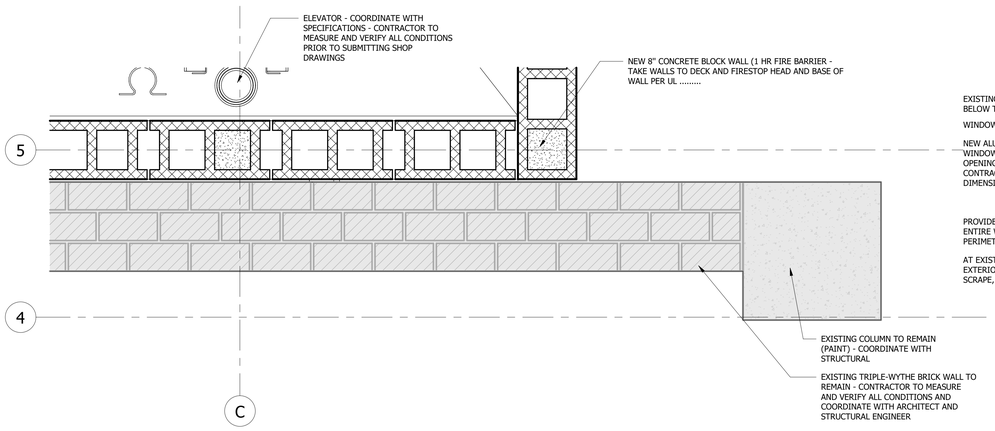
No.	Revision Description	Date

WALL SECTIONS

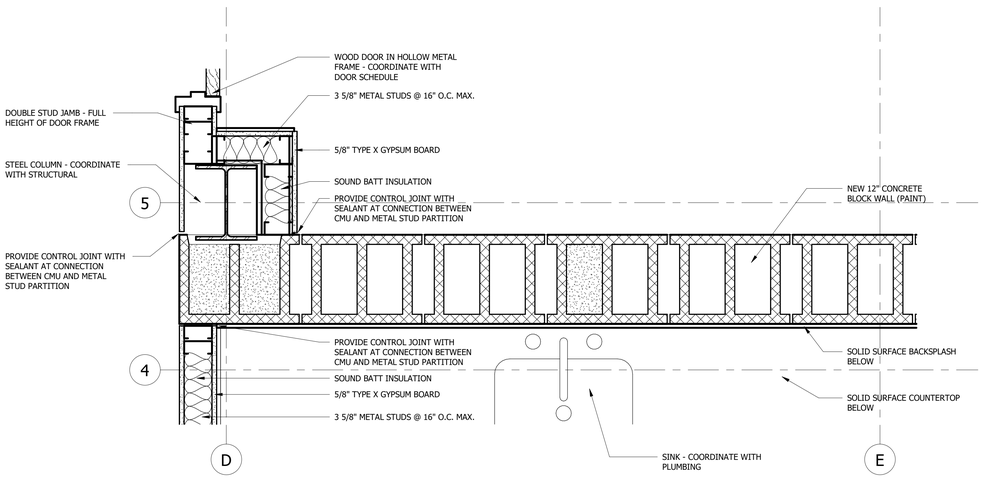
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A7.9

Plotted on: 2/9/2026 10:53:49 AM

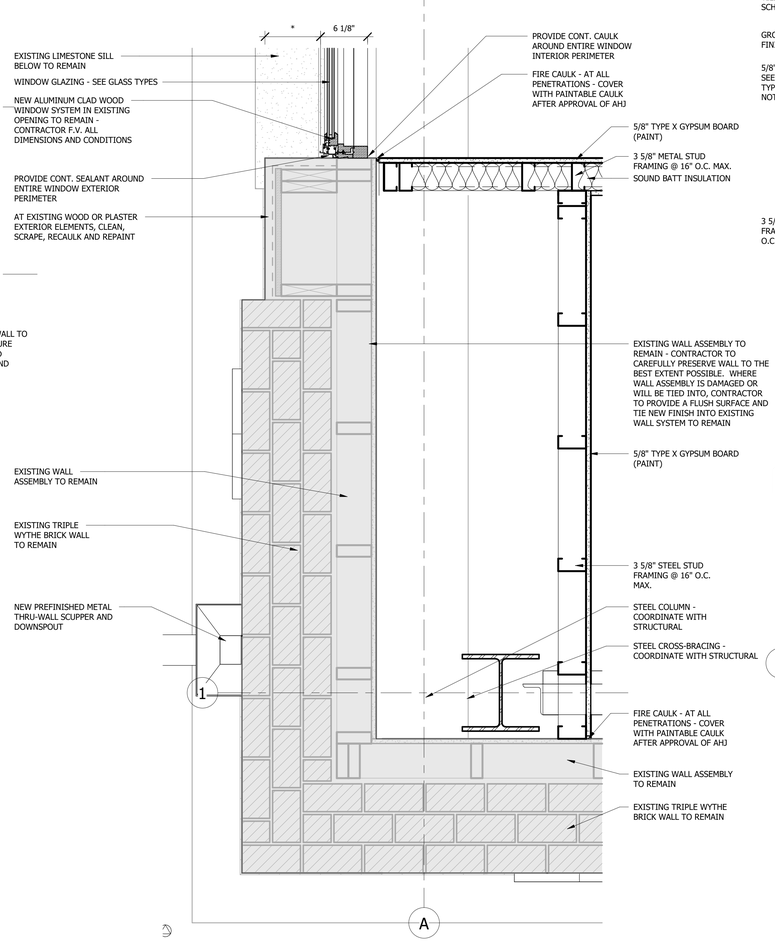


1 PLAN DETAIL
1 1/2" = 1'-0"

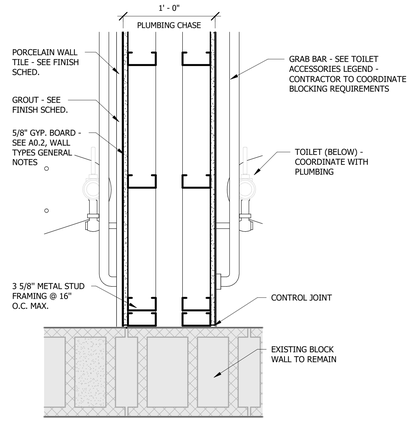


2 PLAN DETAIL
1 1/2" = 1'-0"

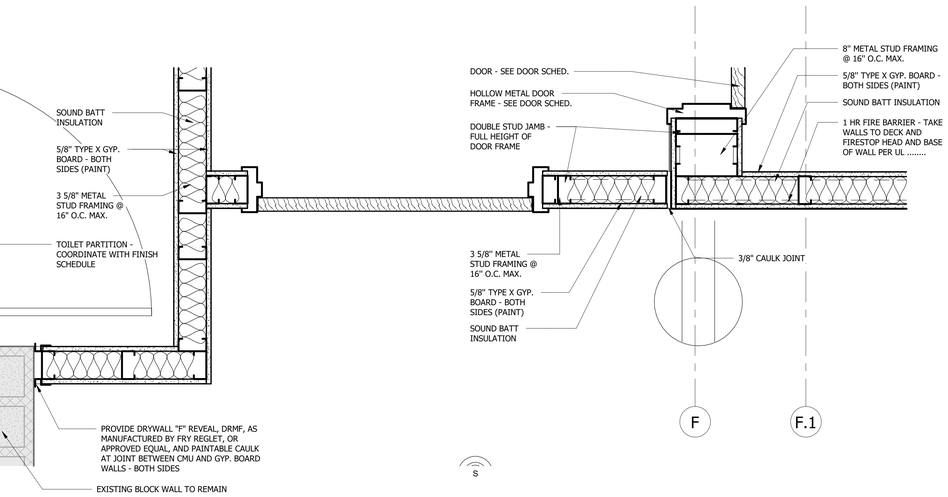
* CONTRACTOR TO MEASURE AND VERIFY ALL CONDITIONS OF EXISTING WINDOW SYSTEM PRIOR TO SUBMITTING SHOP DRAWINGS FOR NEW ALUMINUM-CLAD WOOD WINDOW SYSTEM FOR REVIEW



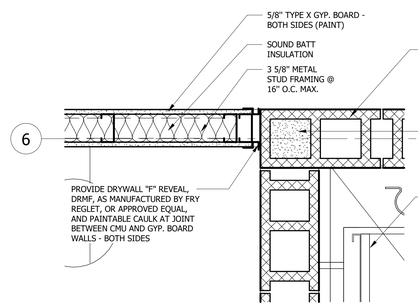
5 PLAN DETAIL
1 1/2" = 1'-0"



3 PLAN DETAIL
1 1/2" = 1'-0"



4 PLAN DETAIL
1 1/2" = 1'-0"



6 PLAN DETAIL
1 1/2" = 1'-0"

7 PLAN DETAIL
1 1/2" = 1'-0"

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ROBERT MICHAEL THUNZ
REGISTERED ARCHITECT
1/9/2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

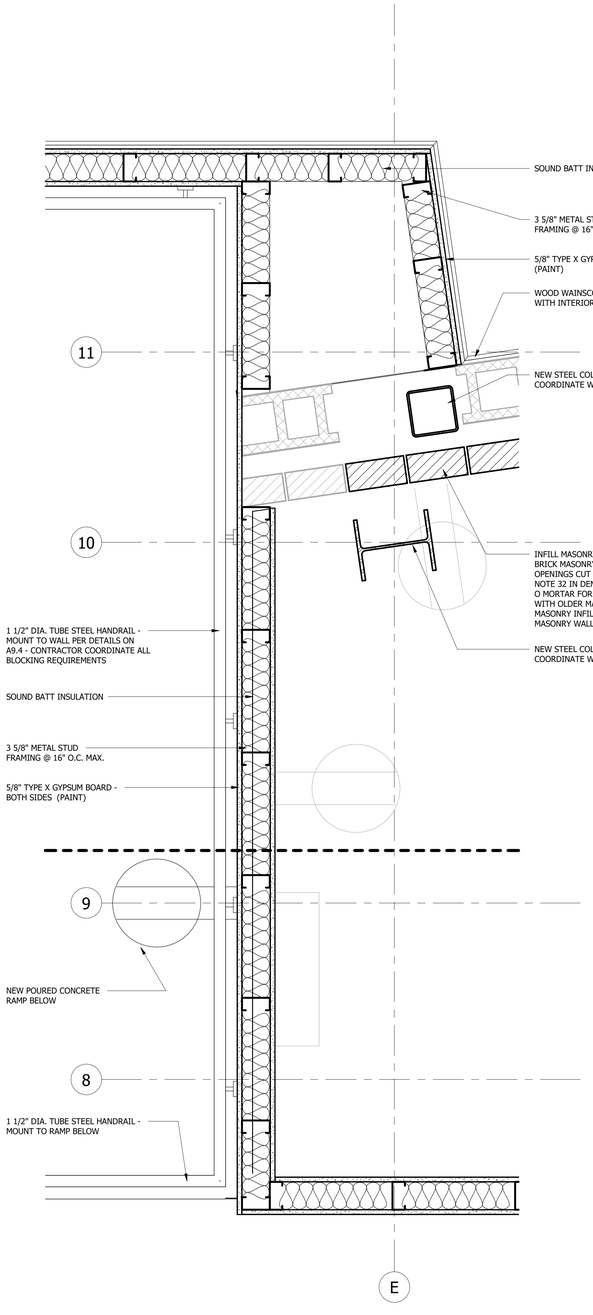
No.	Revision Description	Date

PLAN DETAILS AND SECTIONS

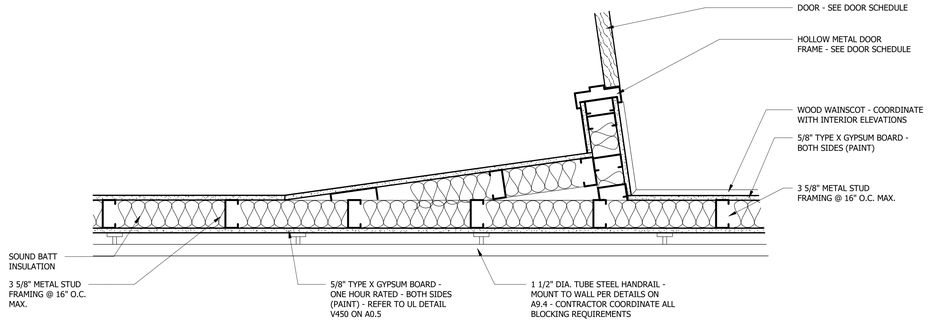
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A8.1

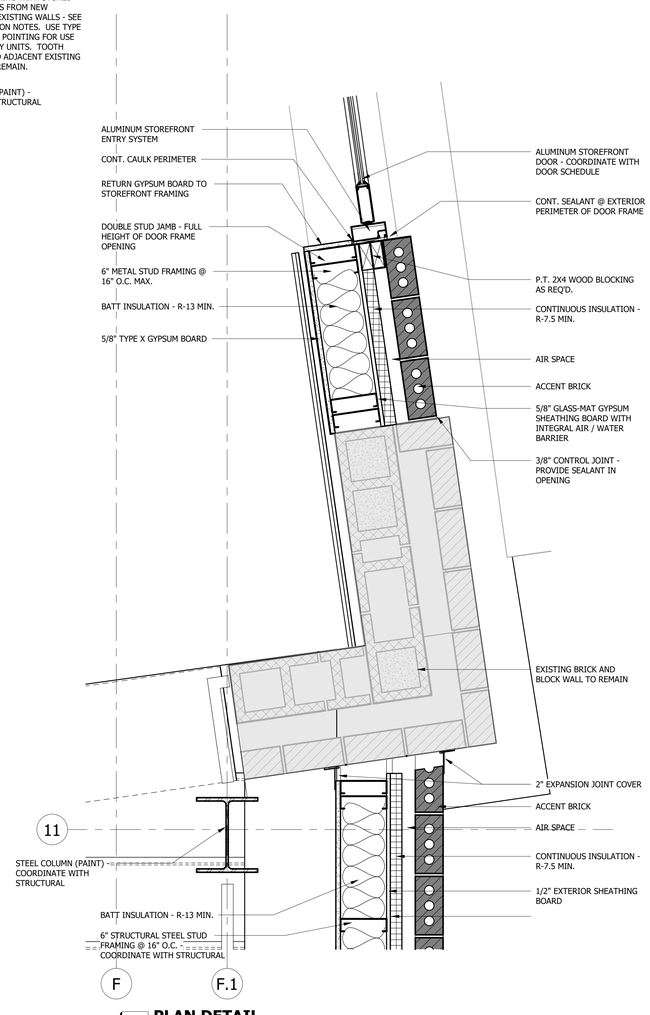
Plotted on: 2/9/2026 12:04:39 PM



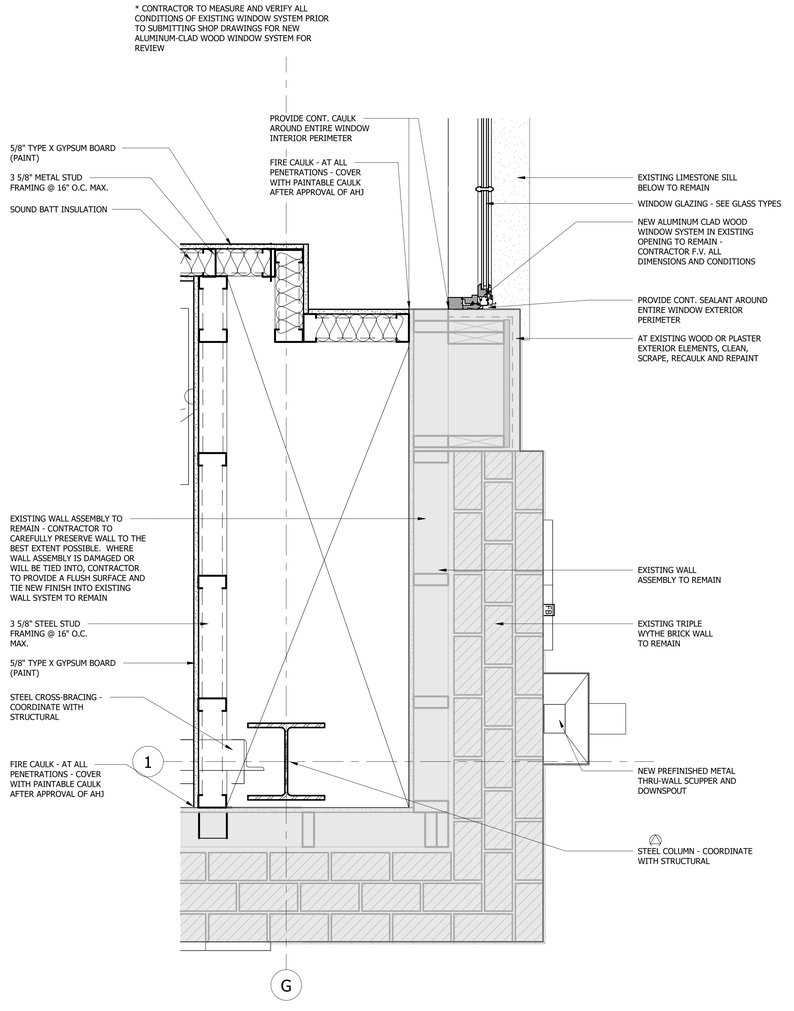
1 PLAN DETAIL
1 1/2" = 1'-0"



2 PLAN DETAIL
1 1/2" = 1'-0"



3 PLAN DETAIL
1 1/2" = 1'-0"



4 PLAN DETAIL
1 1/2" = 1'-0"

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ROBERT MICHAEL MINZ
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Robert M Minz
1 Oct 2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

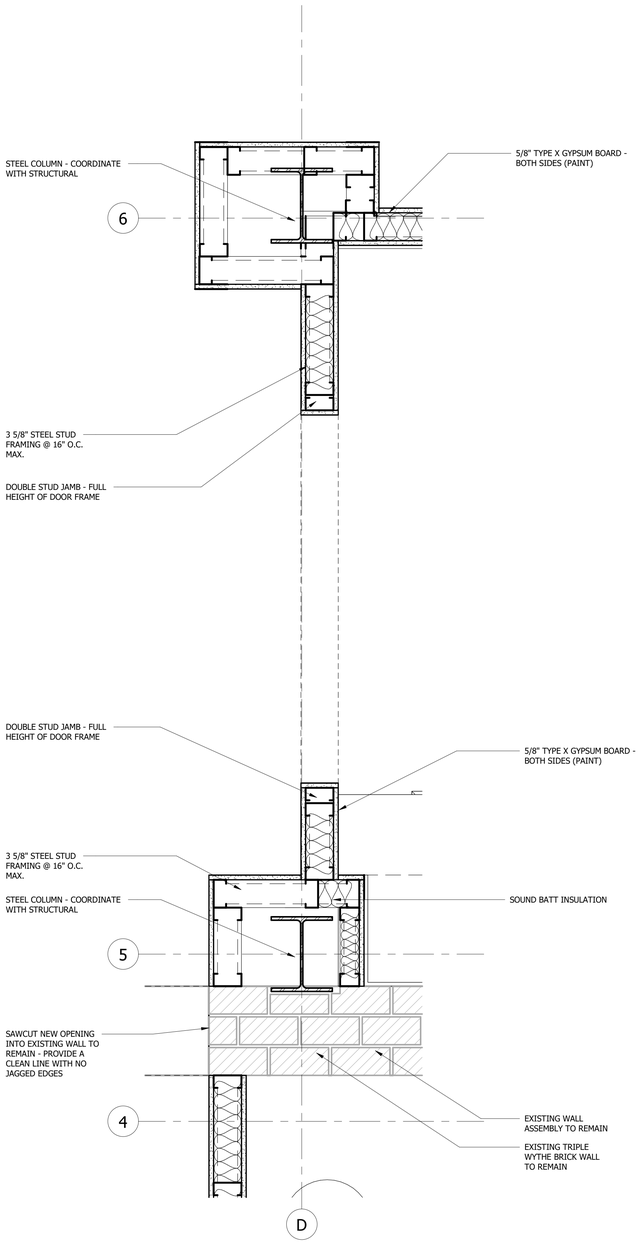
No.	Revision Description	Date

PLAN DETAILS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

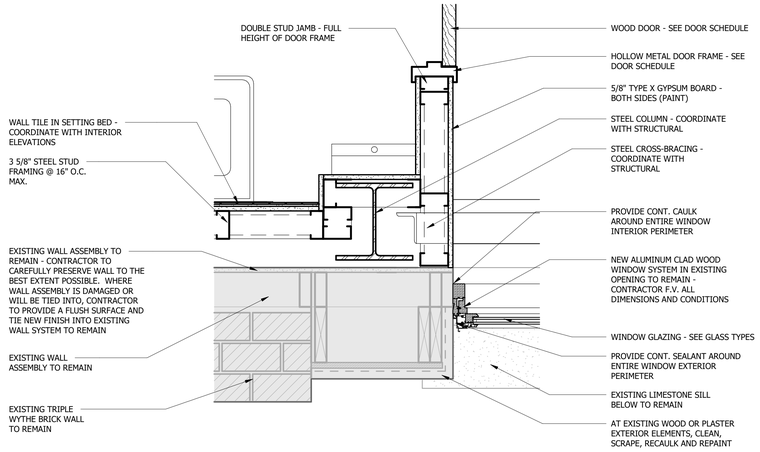
A8.2

Plotted on: 2/9/2026 12:05:35 PM



1 PLAN DETAIL
1 1/2" = 1'-0"

* CONTRACTOR TO MEASURE AND VERIFY ALL CONDITIONS OF EXISTING WINDOW SYSTEM PRIOR TO SUBMITTING SHOP DRAWINGS FOR NEW ALUMINUM-CLAD WOOD WINDOW SYSTEM FOR REVIEW



2 PLAN DETAIL
1 1/2" = 1'-0"

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ROBERT MICHAEL THOMAS
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No. 101460
STATE OF TENNESSEE
1 Oct 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

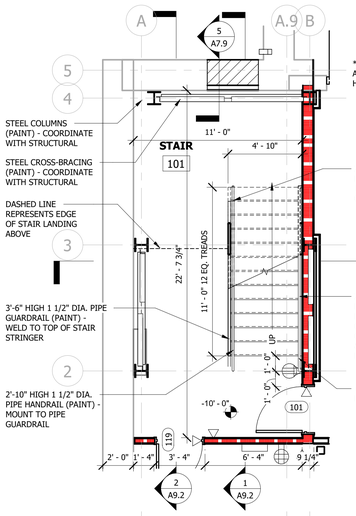
No.	Revision Description	Date

PLAN DETAILS

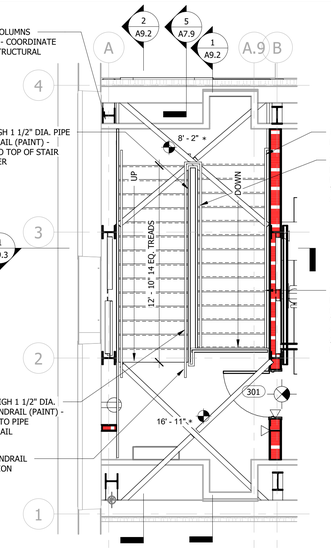
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A8.3

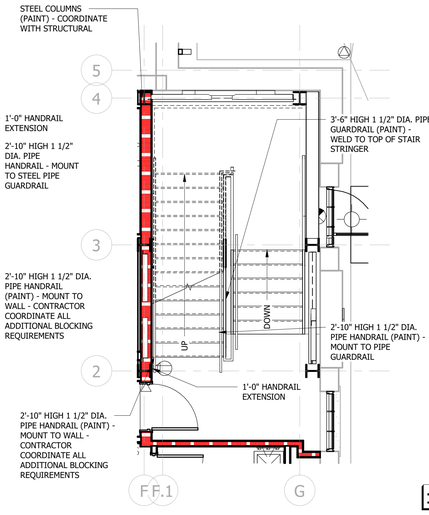
Plotted on: 2/9/2026 12:06:22 PM



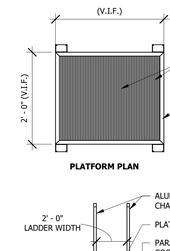
1 STAIR PLAN - BASEMENT
1/4" = 1'-0"



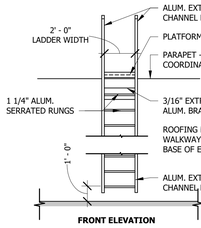
4 STAIR PLAN - SECOND FLOOR
1/4" = 1'-0"



7 STAIR PLAN - GROUND FLOOR
1/4" = 1'-0"

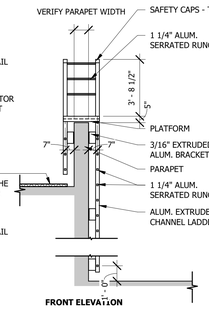


PLATFORM PLAN



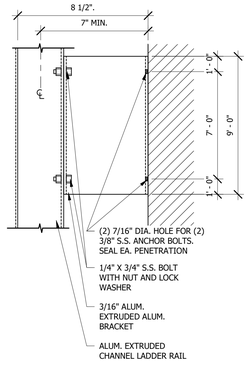
FRONT ELEVATION

NOTE: LADDER TO BE LOCKABLE WITH METAL GRATE

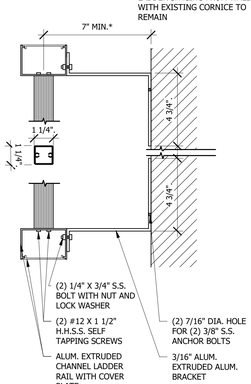


FRONT ELEVATION

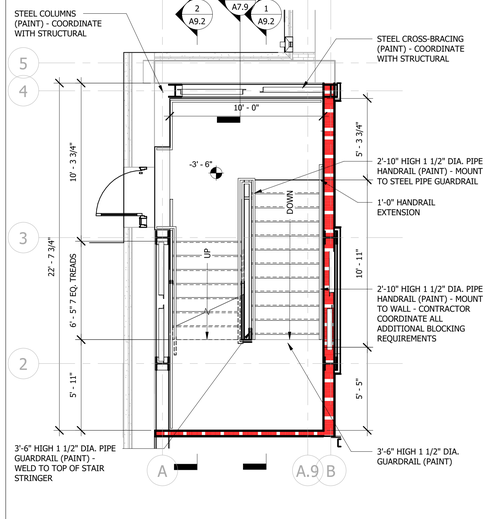
SECTION AT BRACKET



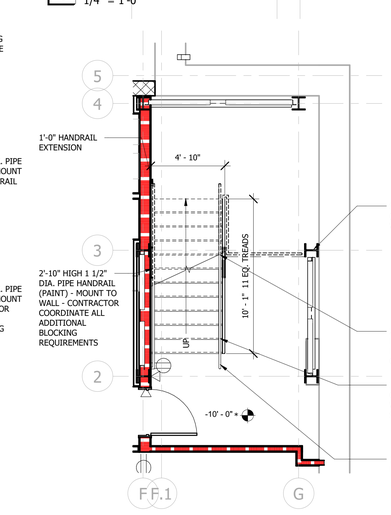
PLAN AT BRACKET



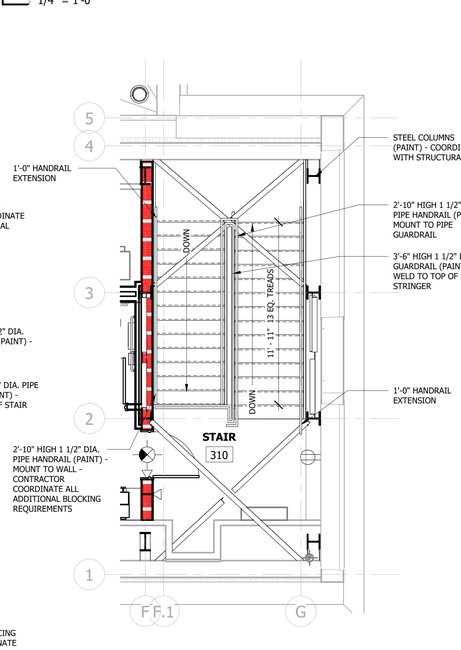
10 EXTERIOR WALL MOUNTED LADDER DETAILS
1/4" = 1'-0"



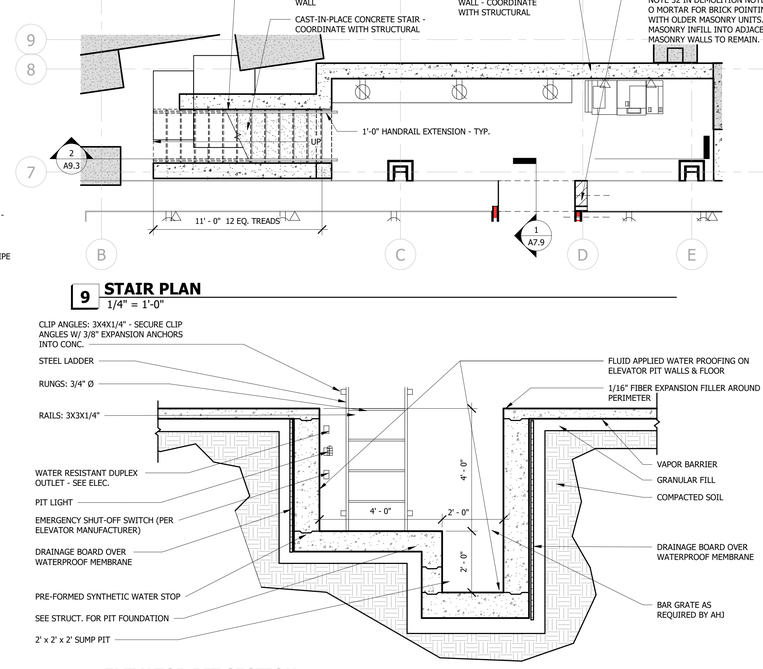
2 STAIR LANDING @ DOOR
1/4" = 1'-0"



5 STAIR PLAN - BASEMENT
1/4" = 1'-0"

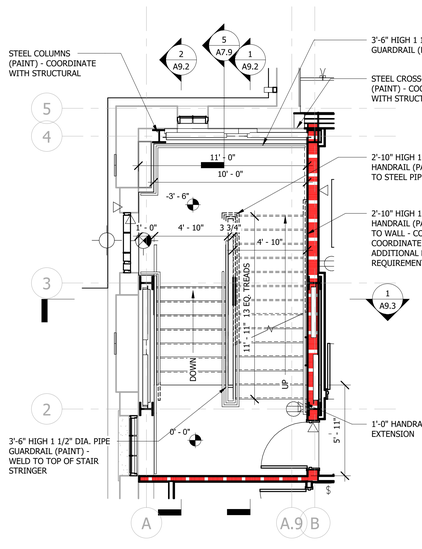


8 STAIR PLAN - SECOND FLOOR
1/4" = 1'-0"

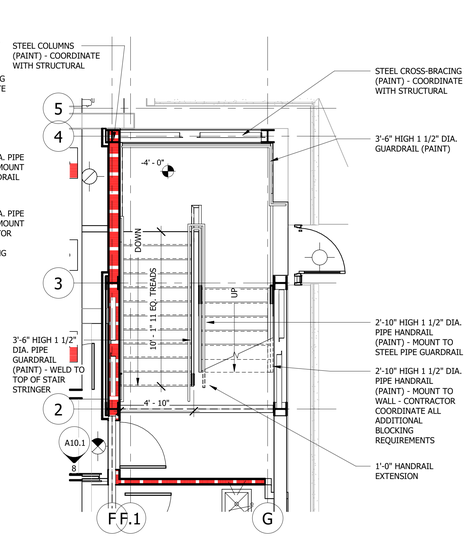


9 STAIR PLAN
1/4" = 1'-0"

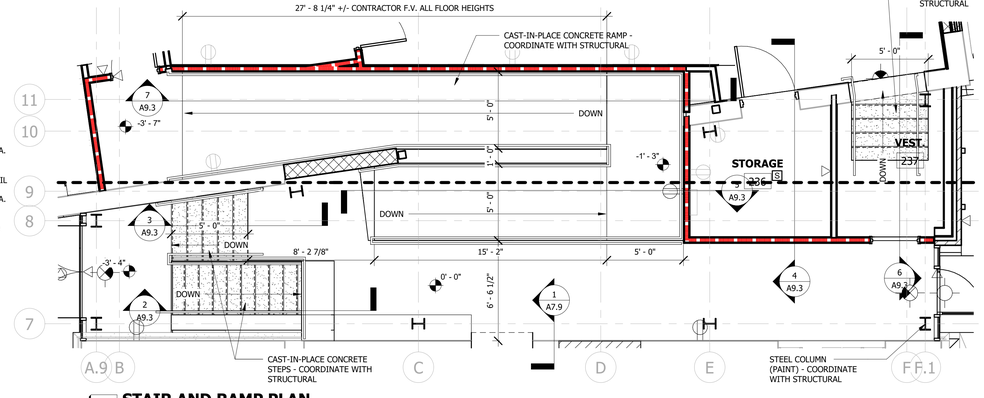
11 ELEVATOR PIT SECTION
1/2" = 1'-0"



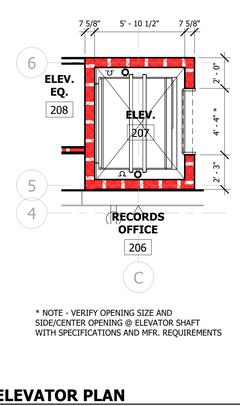
3 STAIR PLAN - GROUND FLOOR
1/4" = 1'-0"



6 STAIR LANDING @ DOOR
1/4" = 1'-0"



12 STAIR AND RAMP PLAN
1/4" = 1'-0"



* NOTE - VERIFY OPENING SIZE AND SIDE/CENTER OPENING @ ELEVATOR SHAFT WITH SPECIFICATIONS AND MFR. REQUIREMENTS

13 ELEVATOR PLAN
1/4" = 1'-0"

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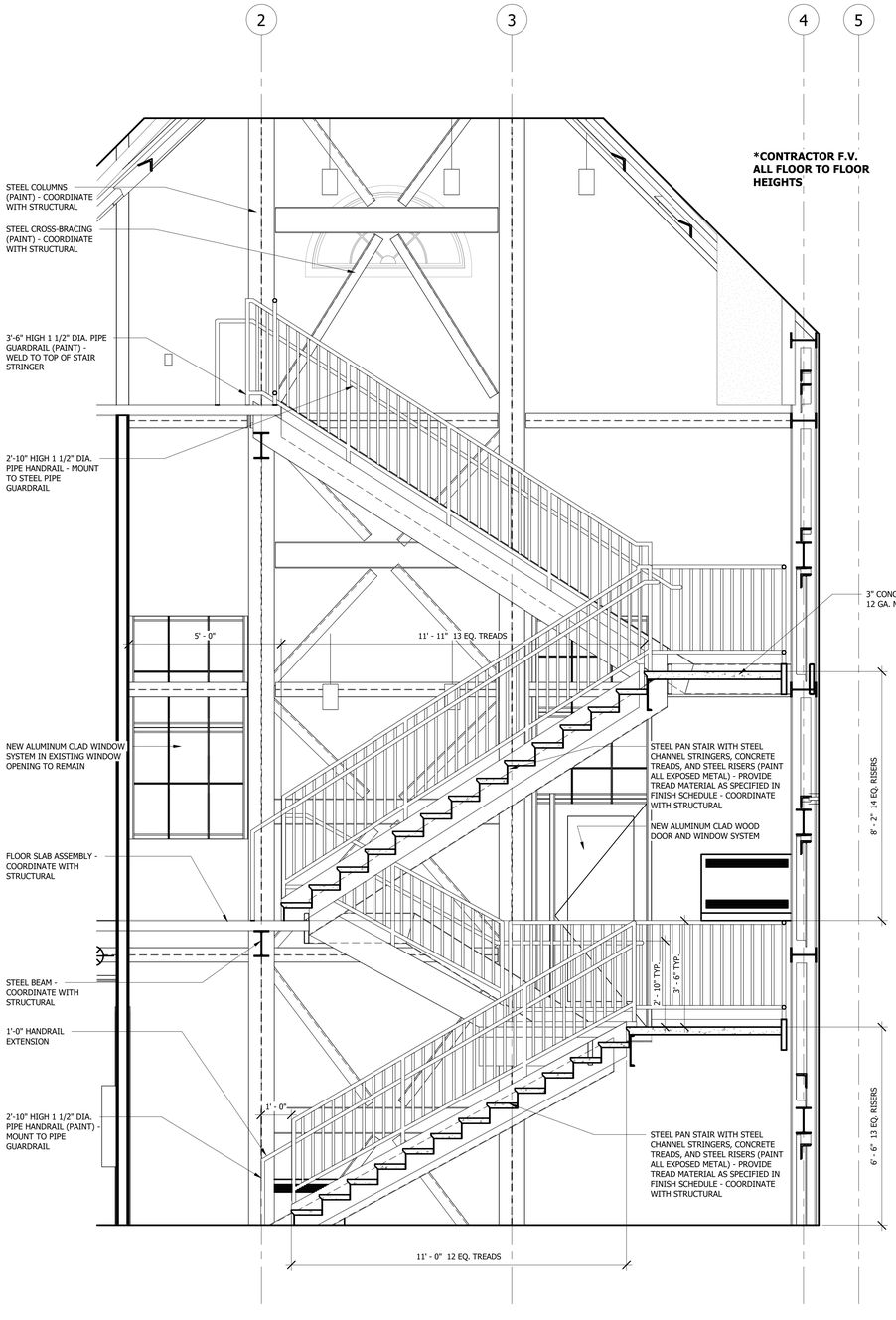
CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

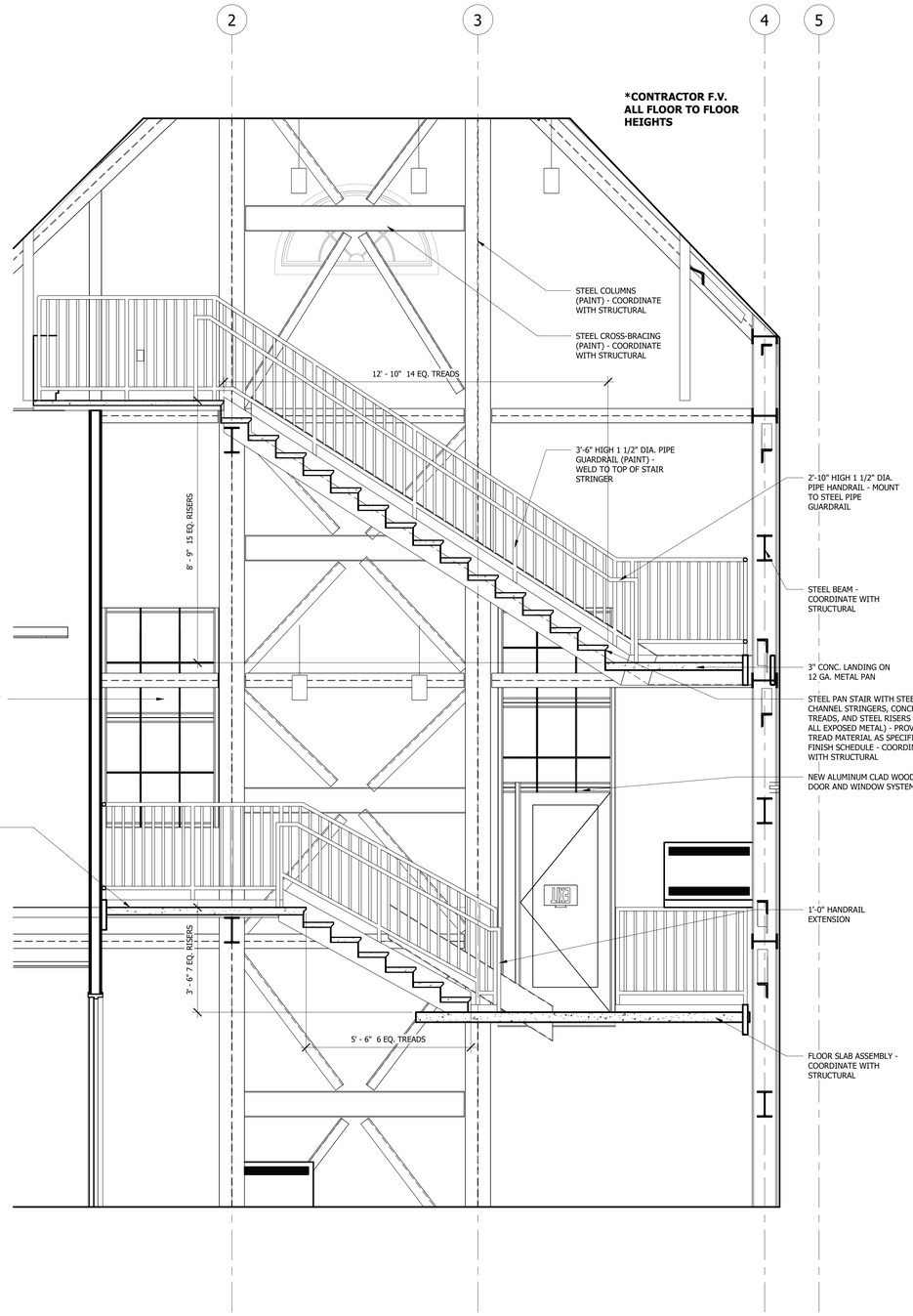
VERTICAL CIRCULATION

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A9.1



1 STAIR SECTION
1/2" = 1'-0"



2 STAIR SECTION
1/2" = 1'-0"

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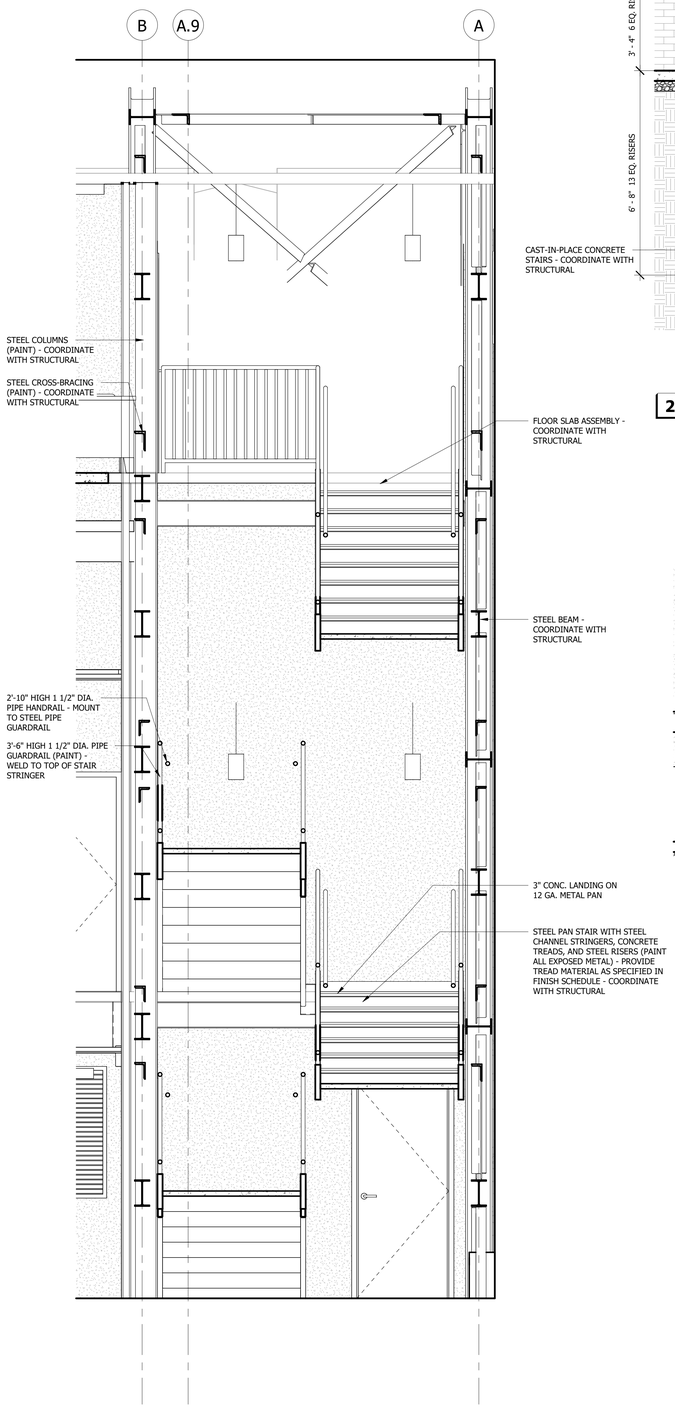
CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

VERTICAL CIRCULATION

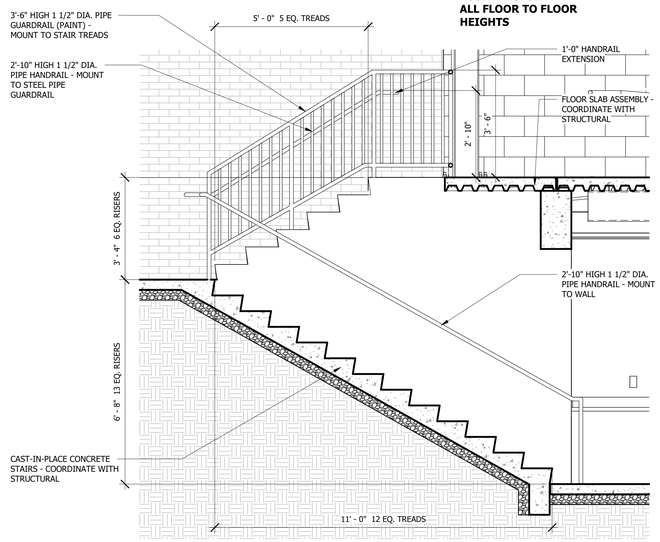
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A9.2



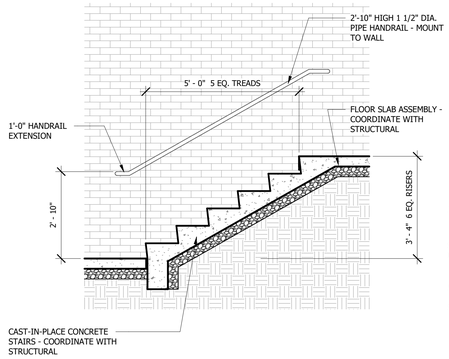
1 STAIR SECTION
1/2" = 1'-0"

***CONTRACTOR F.V. ALL FLOOR TO FLOOR HEIGHTS**

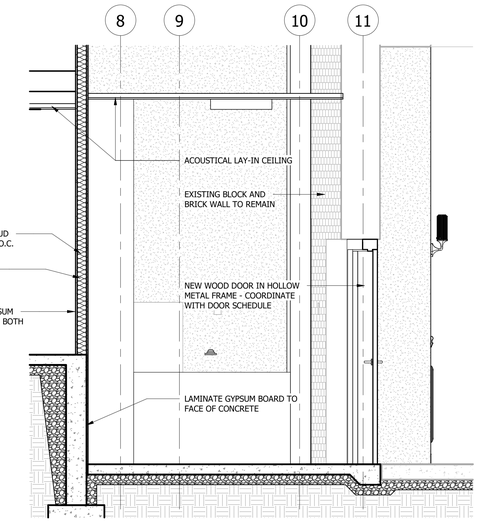


2 STAIR SECTION
1/2" = 1'-0"

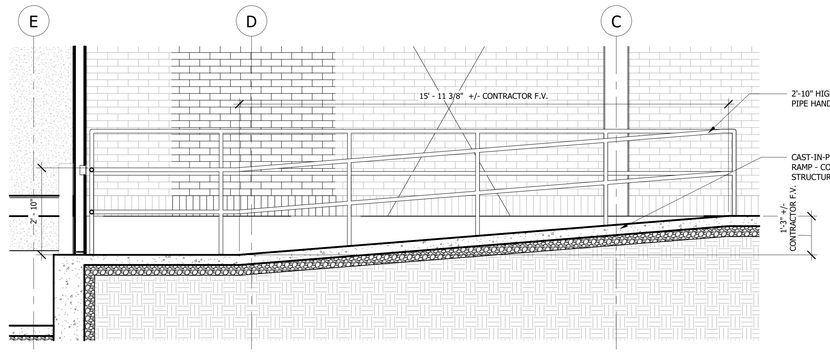
***CONTRACTOR F.V. ALL FLOOR TO FLOOR HEIGHTS**



3 STAIR SECTION
1/2" = 1'-0"

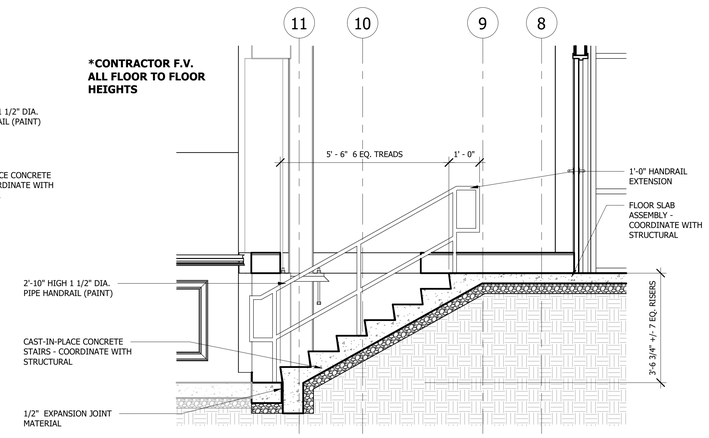


4 Section 26
1/2" = 1'-0"



5 RAMP SECTION
1/2" = 1'-0"

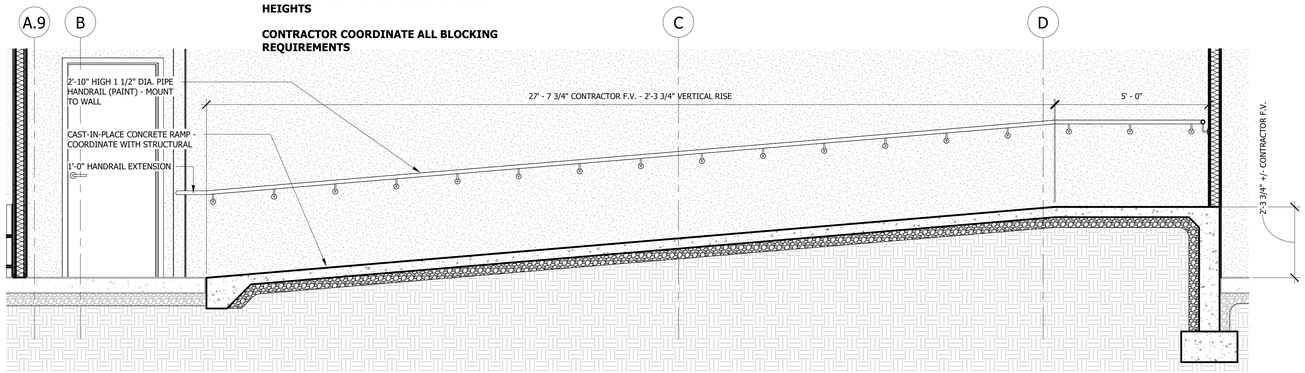
***CONTRACTOR F.V. ALL FLOOR TO FLOOR HEIGHTS**



6 STAIR SECTION
1/2" = 1'-0"

***CONTRACTOR F.V. ALL FLOOR TO FLOOR HEIGHTS**

CONTRACTOR COORDINATE ALL BLOCKING REQUIREMENTS



7 RAMP SECTION
1/2" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

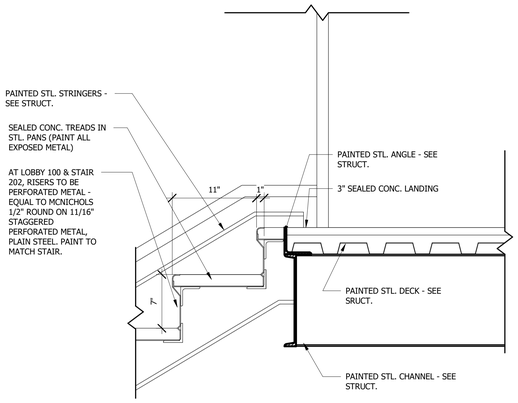
No.	Revision Description	Date

VERTICAL CIRCULATION

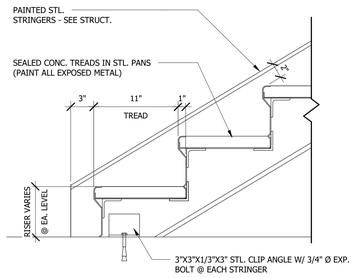
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A9.3

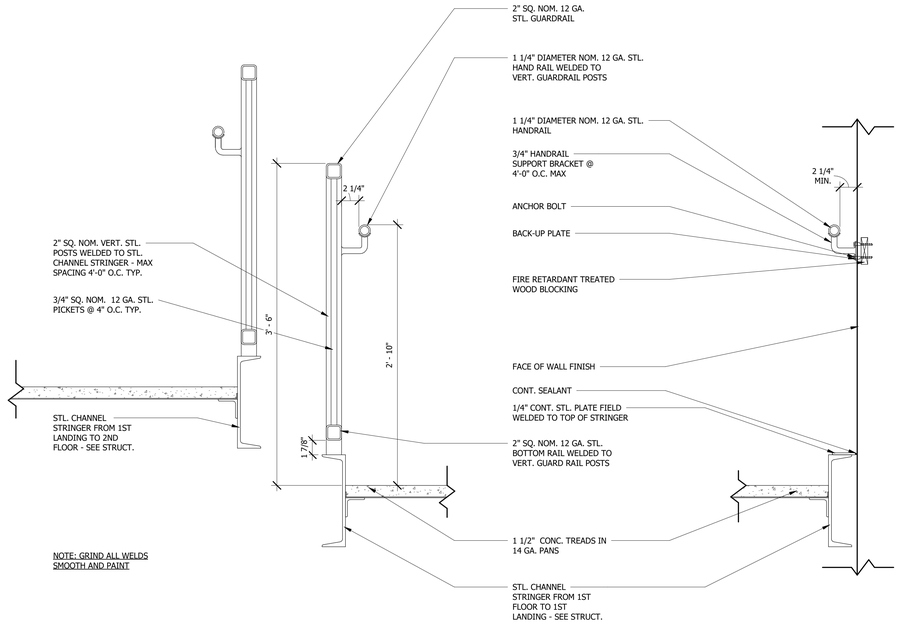
Plotted on: 2/9/2026 12:40:31 PM



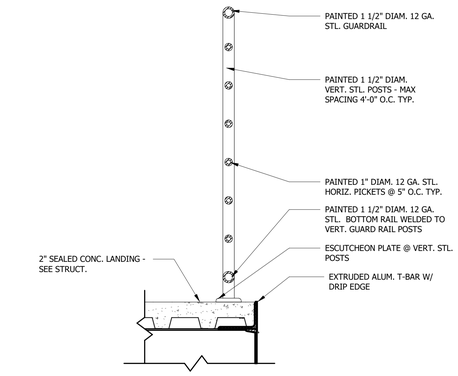
1 TYP. STAIR DETAIL @ LANDING
1 1/2" = 1'-0"



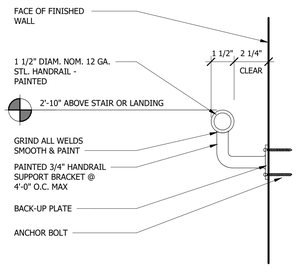
2 TYPICAL STAIR DETAIL @ BASE
1 1/2" = 1'-0"



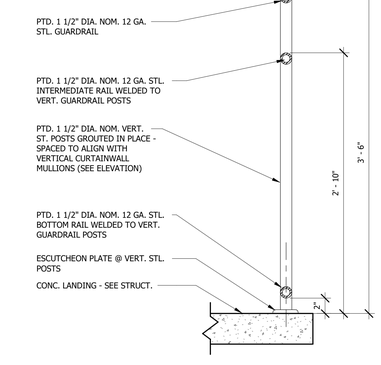
3 TYPICAL STAIR CROSS SECTION
1 1/2" = 1'-0"



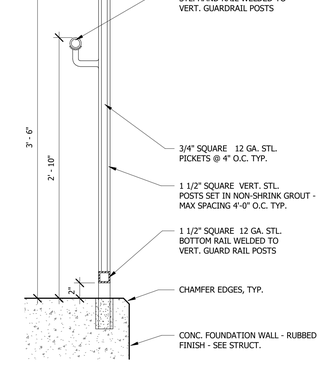
4 TYP. VERTICAL RAILING POST
1 1/2" = 1'-0"



5 TYP. WALL MOUNTED HANDRAIL DETAIL
3" = 1'-0"



6 TYPICAL PIPE GUARD RAIL
1 1/2" = 1'-0"



7 TYPICAL STL. GUARD RAIL & HANDRAIL
1 1/2" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

VERTICAL CIRCULATION DETAILS

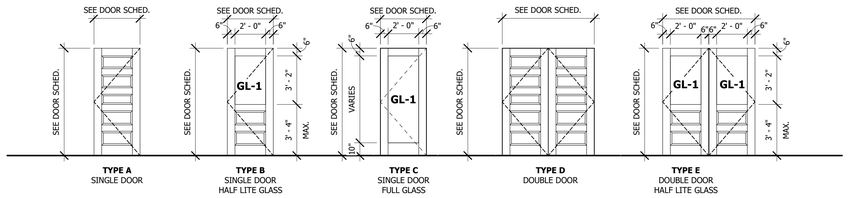
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A9.4

Plotted on: 2/9/2026 12:44:39 PM

DOOR TYPES

SCALE : 1/4" = 1'



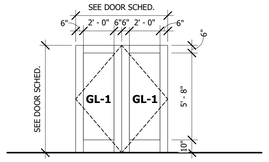
TYPE A
SINGLE DOOR

TYPE B
SINGLE DOOR
HALF LITE GLASS

TYPE C
SINGLE DOOR
FULL GLASS

TYPE D
DOUBLE DOOR

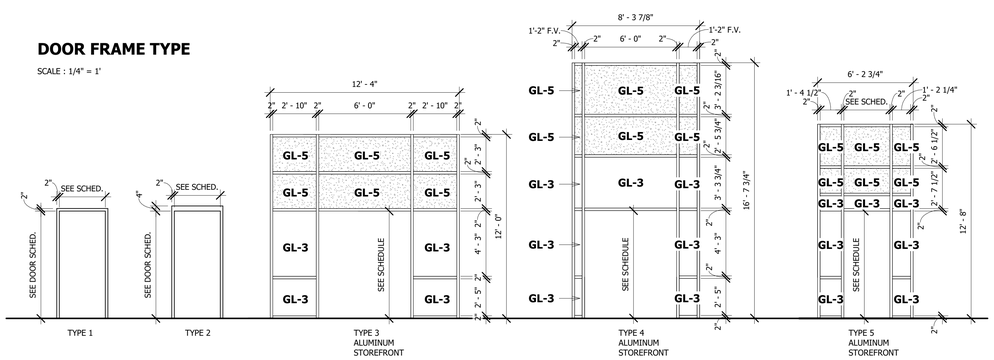
TYPE E
DOUBLE DOOR
HALF LITE GLASS



TYPE F
DOUBLE DOOR
FULL GLASS

DOOR FRAME TYPE

SCALE : 1/4" = 1'



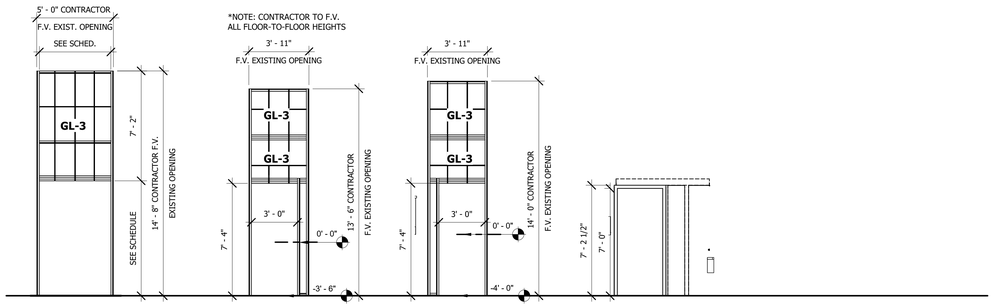
TYPE 1

TYPE 2

TYPE 3
ALUMINUM
STOREFRONT

TYPE 4
ALUMINUM
STOREFRONT

TYPE 5
ALUMINUM
STOREFRONT

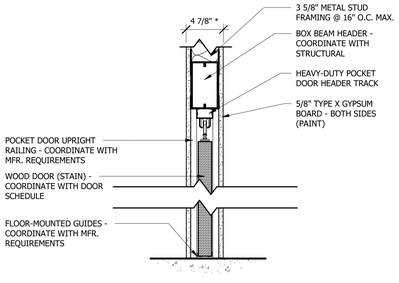


TYPE 6
ALUMINUM-CLAD
WOOD WINDOW
SYSTEM

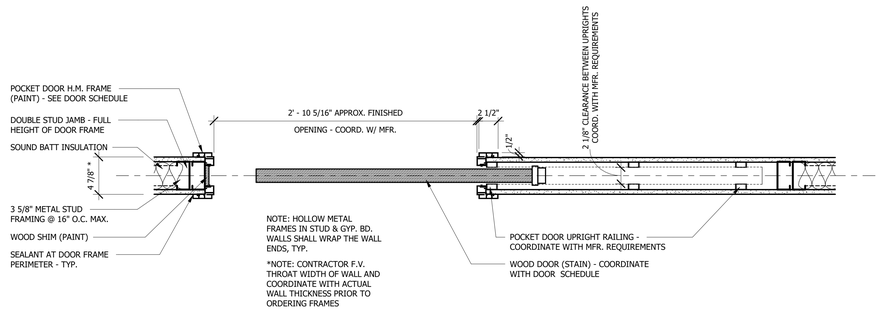
TYPE 7
ALUMINUM-CLAD
WOOD WINDOW
SYSTEM

TYPE 8
ALUMINUM-CLAD
WOOD WINDOW
SYSTEM

TYPE 9
POCKET DOOR



(A) HEAD



(B) JAMB

1 INT. POCKET DOOR FRAME
1 1/2" = 1'-0"

DOOR SCHEDULE

DOOR NUMBER	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	FRAME MATERIAL	FRAME FINISH	HEAD	JAMB	FRAME TYPE	GLAZING	FIRE RATING	HARDWARE	COMMENTS
101	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	
101.1	3' - 0"	7' - 4"	TYPE B	ALUM. / WOOD	PAINT	ALUM. / WOOD	PAINT			TYPE 7				
102	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 2			#03	
104	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#05	
106A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#09	
106B	5' - 0"	7' - 0"	-	-	-	-	-	9A/A10.2	9B/A10.2					CASED OPENING IN EXISTING WALL
106C	3' - 6"	7' - 0"						9A/A10.2	9B/A10.2					CASED OPENING
107	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#05	
108	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#03	
110	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	
110.1	3' - 0"	7' - 4"	TYPE B	ALUM. / WOOD	PAINT	ALUM. / WOOD	PAINT			TYPE 8				
111	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#03	
112	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 2			#07	
113	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 2			#07	
114	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT			TYPE 2			#02	
115	4' - 0"	7' - 0"												CASED OPENING
116	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 2			#03	
117	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
118	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	2A/A10.2	2B/A10.2	TYPE 2			#03	
119	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#03	
201A	4' - 8"	7' - 6"	TYPE D	ALUM. / WOOD	PAINT	ALUM. / WOOD	PAINT			TYPE 7			#01.1	
202	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	WOOD	PAINT	1A/A10.1	1B/A10.1	TYPE 9			#11	POCKET DOOR
202A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1				
203A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	
204	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
205	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
206	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#02	
208	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#03	
209	4' - 0"	7' - 0"						6A/A10.2	6B/A10.2					CASED OPENING
210	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
211A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#09	
211B	5' - 0"	7' - 0"	-	-	-		-	8A/A10.2	8B/A10.2					CASED OPENING IN EXISTING WALL
212	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
213	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
214	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
215	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
216	4' - 0"	7' - 0"						6A/A10.2	6B/A10.2					CASED OPENING
217	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#03	
218	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
219	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
220A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	
221	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	WOOD	PAINT	1A/A10.1	1B/A10.1	TYPE 9			#11	POCKET DOOR
221A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1				
221F	5' - 0"	7' - 0"	-	-	-		-	-	-					
222	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#10	
223A	6' - 0"	7' - 0"	TYPE F	ALUM.	ALUM.	ALUM.	ALUM.	7A/A10.2	7B/A10.2	TYPE 4			#AL02	
223B	3' - 0"	7' - 0"	TYPE C	ALUM	ALUM.	ALUM.	ALUM.	7A/A10.2	7B/A10.2	TYPE 6			#AL01	
223C	4' - 0"	7' - 0"												CASED OPENING IN EXISTING WALL
224	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
225	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#05	
226	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#10	
228	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
229	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
230	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#09	
231	6' - 0"	7' - 0"	TYPE F	ALUM.	ALUM.	ALUM.	ALUM.	7A/A10.2	7B/A10.2	TYPE 3			#AL03	
232	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#07	
233	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#07	
234	6' - 0"	7' - 0"	TYPE D	WOOD	PAINT	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#04	
235A	6' - 0"	7' - 0"	TYPE D	WOOD	PAINT	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#11	
235B	3' - 0"	7' - 0"	TYPE C	ALUM	ALUM.	ALUM.	ALUM.			TYPE 9			#AL01	
236	3' - 6"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	3A/A10.2	3B/A10.2	TYPE 2			#03	
237A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#10	
301	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	
302	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
303	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
304A	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1		45 MIN.	#09	
304B	3' - 6"	7' - 0"	TYPE A	WOOD	STAIN		PAINT							
306	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
307	3' - 0"	7' - 0"	TYPE B	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#02	
308	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#03	
309	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT	4A/A10.2	4B/A10.2	TYPE 1			#06	
310	3' - 0"	7' - 0"	TYPE A	WOOD	STAIN	H.M.	PAINT			TYPE 1		45 MIN.	#08	

DOOR & WINDOW GENERAL NOTES

1. HOLLOW METAL FRAMES TO HAVE SILENCERS.
2. VERIFY KEYING REQUIREMENTS WITH OWNER.
3. HOLLOW METAL FRAMES TO BE PAINTED.
4. SEE DOOR SCHEDULE FOR DOOR FINISHES.
5. PROVIDE ASTRAGALS AND COORDINATORS AT RATED INTERIOR PAIR DOORS.
6. PROVIDE SMOKE SEALS AT ALL SMOKE AND FIRE RATED INTERIOR DOORS.
7. COORDINATE LATCHING FOR ALL DOORS WITH HOLD OPENS.
8. CONTRACTOR SHALL COORDINATE FRAME THROAT DIMENSIONS WITH WALL TYPE LEGEND.
9. ALL DOOR SURFACES SHALL BE FINISHED INCLUDING TOP AND BOTTOM EDGES.
10. ALL EXTERIOR HOLLOW METAL DOORS ARE TO BE INSULATED.
11. FIRE-RESISTANCE RATED DOORS MUST HAVE FIRE RATED FRAMES, HARDWARE, CLOSERS, AND OTHER RATED ACCESSORIES. [1999 NFPA 80 1-4 DEFINITION OF "FIRE DOOR," 1-6.1, 2-4.7, AND IBC 715.4]
12. CLOSERS AND POSITIVE LATCHING HARDWARE ARE REQUIRED ON FIRE RATED DOORS AND DOORS IN SMOKE PARTITIONS OR BARRIERS. [NFPA 101 7.2.1.8, 8.3.3.3., 8.4.3.5, 1999 NFPA 80 3-4, AND IBC 715.4.7]
13. ALL INTERIOR GLAZING TO BE TEMPERED, TYP.
14. HOLLOW METAL FRAMES IN STUD & GYP. BD. WALLS SHALL WRAP THE WALL ENDS, TYP.

TEMPERED GLASS IS REQUIRED IN THE FOLLOWING LOCATIONS BY CODE:

1. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF A DOOR IN CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE. GLAZING IN PERPENDICULAR PLANE TO DOORS WHEN CLOSED ARE EXEMPT ON THE LATCH SIDE OF THE DOOR IN GROUP R-2 [IBC 2406.3.6]
2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL IN WHICH THE EXPOSED AREA OF AND INDIVIDUAL PANE IS GREATER THAN 9 SF., THE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR, THE EXPOSED TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR, AND ONE OR MORE WALKING SURFACES ARE WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING [IBC 2406.3.7]
3. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE, WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION, AND THE BOTTOM EDGE IS LESS THAN 60" ABOVE THE PLANE OR THE ADJACENT WALKING SURFACE. [IBC 2406.3.10 & 2406.3.11]

GLAZING TYPES

GL-1 - 1/4" CLEAR FLOAT GLASS, TEMPERED

GL-2 - 1" INSULATED GLAZING UNIT WITH SOLAR CONTROL LOW-E COATING / TINT

GL-3 - 1" INSULATED GLAZING UNIT WITH SOLAR CONTROL LOW-E COATING / TINT, TEMPERED

GL-4 - 1" INSULATED TEXTURED, TRANSLUCENT UNIT, TEMPERED

GL-5 - 1" INSULATED SILICONE-COATED SPANDREL UNIT, TEMPERED

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ROBERT MICHAEL THUNZ
REGISTERED ARCHITECT
No. 102466
STATE OF TENNESSEE
1 FEB 2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

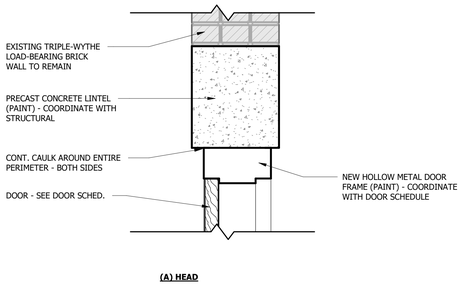
No.	Revision Description	Date

DOOR TYPES

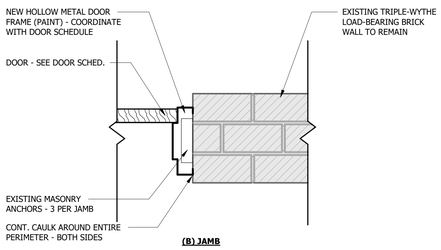
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A10.1

Plotted on: 2/9/2026 12:46:43 PM

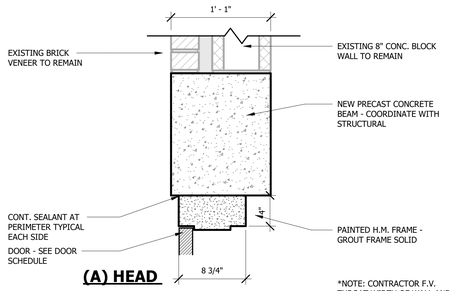


(A) HEAD



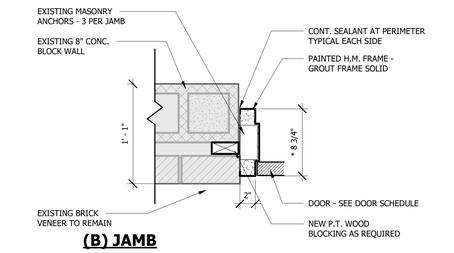
(B) JAMB

1 INT. H.M. DOOR FRAME IN EXISTING BRICK
1 1/2" = 1'-0"



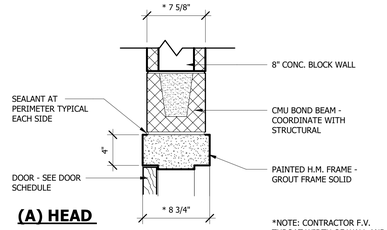
(A) HEAD

*NOTE: CONTRACTOR F.V. THROAT WIDTH OF WALL AND COORDINATE WITH ACTUAL WALL THICKNESS PRIOR TO ORDERING FRAMES



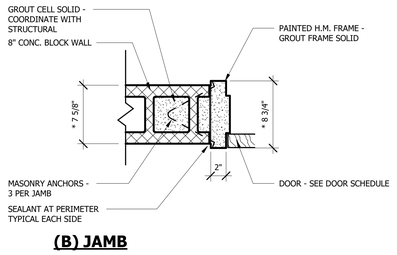
(B) JAMB

2 EXT. H.M. DOOR FRAME IN CMU
1 1/2" = 1'-0"



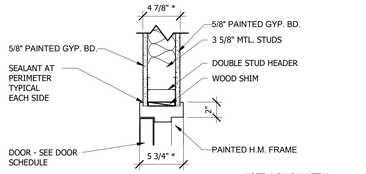
(A) HEAD

*NOTE: CONTRACTOR F.V. THROAT WIDTH OF WALL AND COORDINATE WITH ACTUAL WALL THICKNESS PRIOR TO ORDERING FRAMES



(B) JAMB

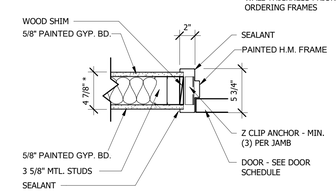
3 INT. H.M. DOOR FRAME IN CMU
1 1/2" = 1'-0"



(A) HEAD

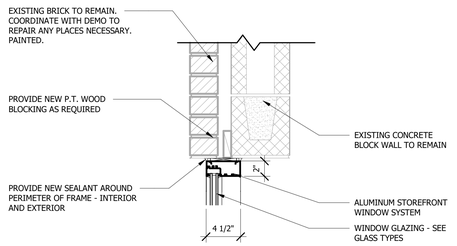
NOTE: HOLLOW METAL FRAMES IN STUD & GYP. BD. WALLS SHALL WRAP THE WALL ENDS, TYP.

*NOTE: CONTRACTOR F.V. THROAT WIDTH OF WALL AND COORDINATE WITH ACTUAL WALL THICKNESS PRIOR TO ORDERING FRAMES

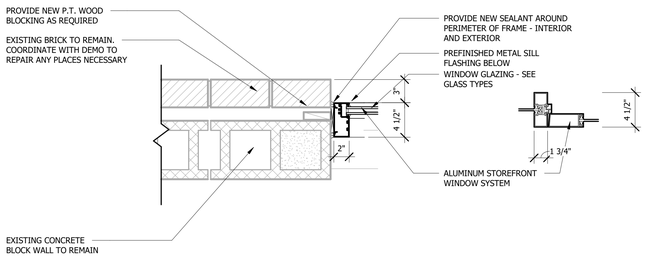


(B) JAMB

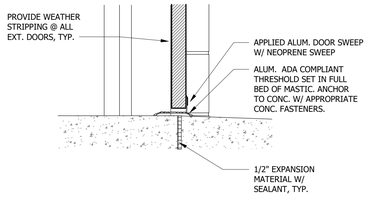
4 INT. H.M. DOOR FRAME IN MTL. STUDS
1 1/2" = 1'-0"



(A) HEAD



(B) JAMB



(C) THRESHOLD

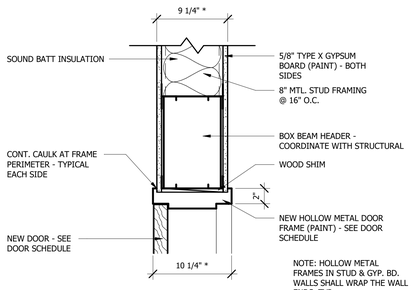
7 EXTERIOR STOREFRONT FRAMING @ EXISTING CMU OPENING
1 1/2" = 1'-0"

(D) TRANSOM

(A) HEAD

(B) JAMB

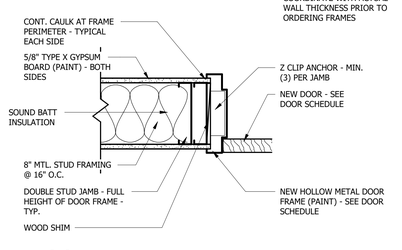
6 INT. FRAMED OPENING
1 1/2" = 1'-0"



NOTE: HOLLOW METAL FRAMES IN STUD & GYP. BD. WALLS SHALL WRAP THE WALL ENDS, TYP.

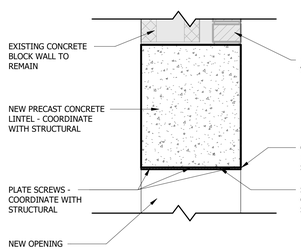
*NOTE: CONTRACTOR F.V. THROAT WIDTH OF WALL AND COORDINATE WITH ACTUAL WALL THICKNESS PRIOR TO ORDERING FRAMES

(A) HEAD



(B) JAMB

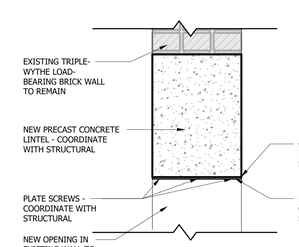
5 INT. H.M. DOOR FRAME IN 8" MTL. STUDS
1 1/2" = 1'-0"



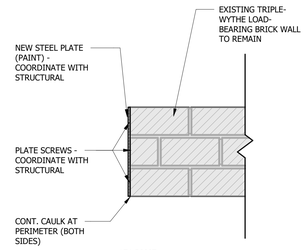
(A) HEAD

(B) JAMB

9 INT. FRAMED OPENING - EXISITNG CMU W/ BRICK
1 1/2" = 1'-0"

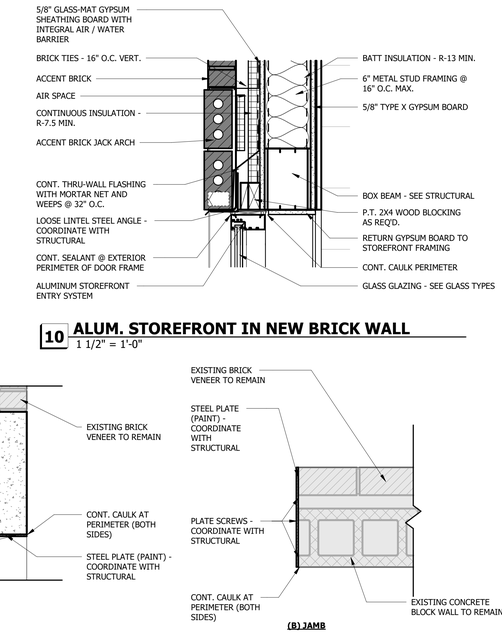


(A) HEAD



(B) JAMB

8 INT. FRAMED OPENING - EXISITNG BRICK
1 1/2" = 1'-0"



10 ALUM. STOREFRONT IN NEW BRICK WALL
1 1/2" = 1'-0"

Allen&Hoshall
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ROBERT MICHAEL THOMAS REGISTERED ARCHITECT 1 FEBRUARY 2026 No. 101460 STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DOOR DETAILS

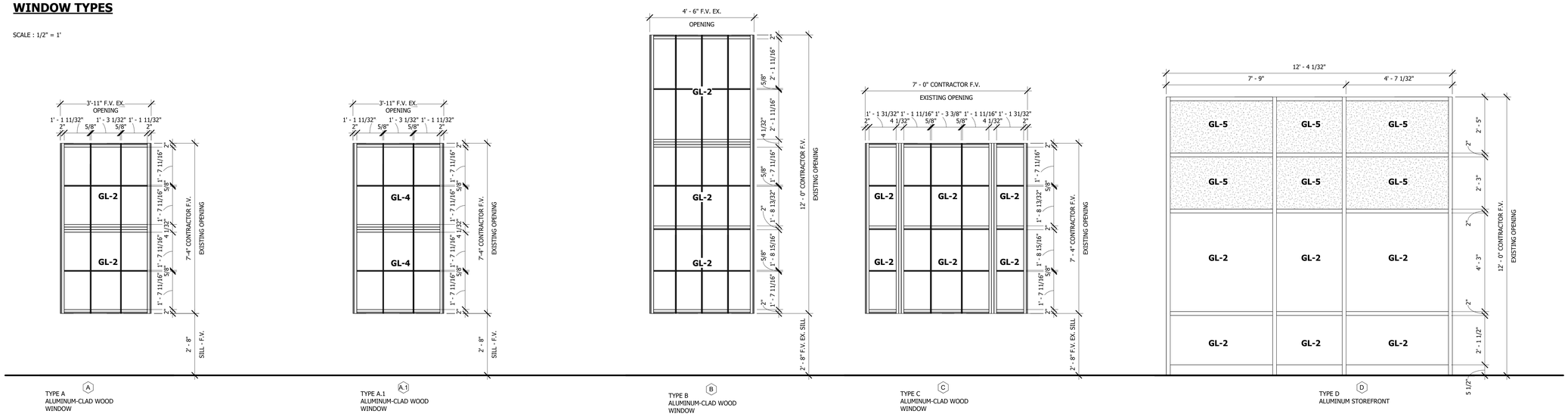
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A10.2

Plotted on: 2/9/2026 12:47:43 PM

WINDOW TYPES

SCALE : 1/2" = 1'



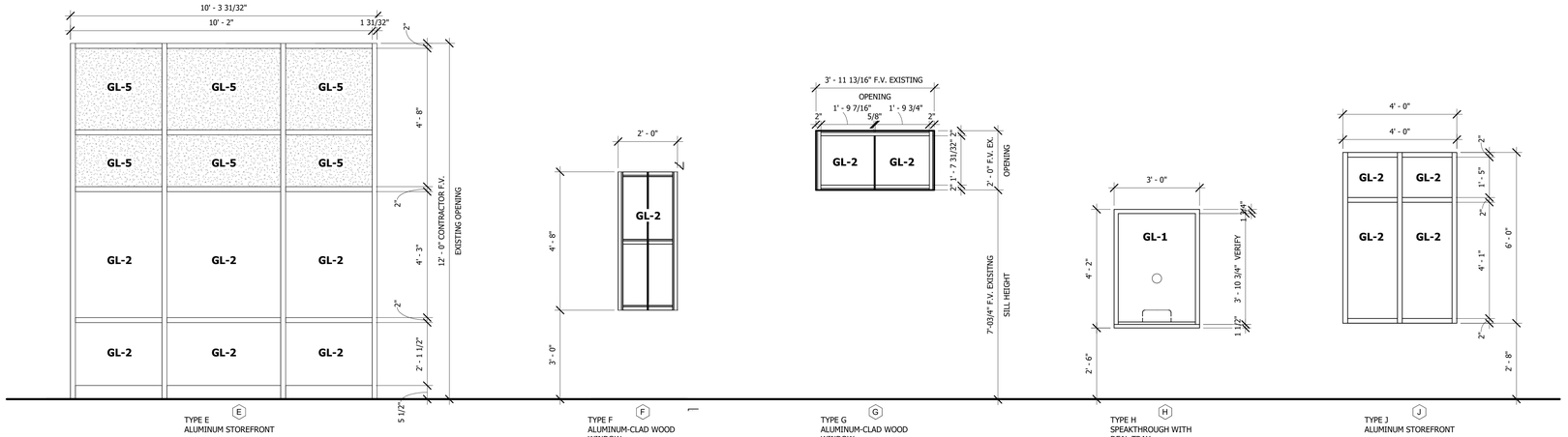
A TYPE A ALUMINUM-CLAD WOOD WINDOW

A.1 TYPE A.1 ALUMINUM-CLAD WOOD WINDOW

B TYPE B ALUMINUM-CLAD WOOD WINDOW

C TYPE C ALUMINUM-CLAD WOOD WINDOW

D TYPE D ALUMINUM STOREFRONT



E TYPE E ALUMINUM STOREFRONT

F TYPE F ALUMINUM-CLAD WOOD WINDOW

G TYPE G ALUMINUM-CLAD WOOD WINDOW

H TYPE H SPEAKTHROUGH WITH DEAL TRAY

J TYPE J ALUMINUM STOREFRONT

GLAZING TYPES

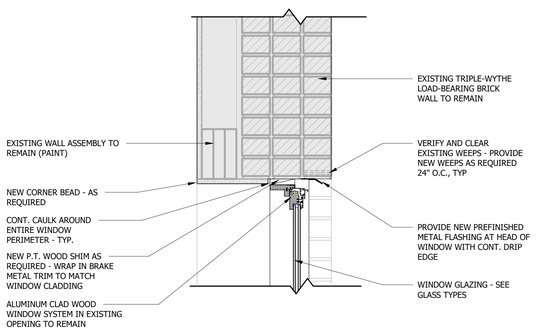
- **GL-1** - 1/4" CLEAR FLOAT GLASS, TEMPERED
- **GL-2** - 1" INSULATED GLAZING UNIT WITH SOLAR CONTROL LOW-E COATING / TINT
- **GL-3** - 1" INSULATED GLAZING UNIT WITH SOLAR CONTROL LOW-E COATING / TINT, TEMPERED
- **GL-4** - 1" INSULATED TEXTURED, TRANSLUCENT UNIT, TEMPERED
- **GL-5** - 1" INSULATED SILICONE-COATED SPANDREL UNIT, TEMPERED

DOOR & WINDOW GENERAL NOTES

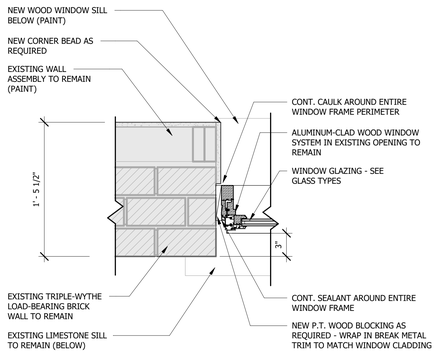
1. HOLLOW METAL FRAMES TO HAVE SILENCERS.
2. VERIFY KEYING REQUIREMENTS WITH OWNER.
3. HOLLOW METAL FRAMES TO BE PAINTED.
4. SEE DOOR SCHEDULE FOR DOOR FINISHES.
5. PROVIDE ASTRAGALS AND COORDINATORS AT RATED INTERIOR PAIR DOORS.
6. PROVIDE SMOKE SEALS AT ALL SMOKE AND FIRE RATED INTERIOR DOORS.
7. COORDINATE LATCHING FOR ALL DOORS WITH HOLD OPENS.
8. CONTRACTOR SHALL COORDINATE FRAME THROAT DIMENSIONS WITH WALL TYPE LEGEND.
9. ALL DOOR SURFACES SHALL BE FINISHED INCLUDING TOP AND BOTTOM EDGES.
10. ALL EXTERIOR HOLLOW METAL DOORS ARE TO BE INSULATED.
11. FIRE-RESISTANCE RATED DOORS MUST HAVE FIRE RATED FRAMES, HARDWARE, CLOSERS, AND OTHER RATED ACCESSORIES. [1999 NFPA 80 1-4 DEFINITION OF "FIRE DOOR," 1-6.1, 2-4.7, AND IBC 715.4]
12. CLOSERS AND POSITIVE LATCHING HARDWARE ARE REQUIRED ON FIRE RATED DOORS AND DOORS IN SMOKE PARTITIONS OR BARRIERS. [NFPA 101 7.2.1.8, 8.3.3.3, 8.4.3.5, 1999 NFPA 80 3-4, AND IBC 715.4.7]
13. ALL INTERIOR GLAZING TO BE TEMPERED, TYP.
14. HOLLOW METAL FRAMES IN STUD & GYP. BD. WALLS SHALL WRAP THE WALL ENDS, TYP.

TEMPERED GLASS IS REQUIRED IN THE FOLLOWING LOCATIONS BY CODE:

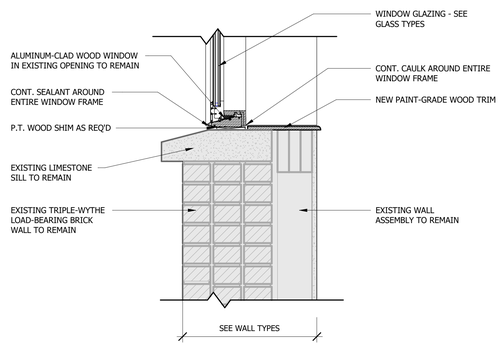
1. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF A DOOR IN CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE. GLAZING IN PERPENDICULAR PLANE TO DOORS WHEN CLOSED ARE EXEMPT ON THE LATCH SIDE OF THE DOOR IN GROUP R-2 [IBC 2406.3.6]
2. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL IN WHICH THE EXPOSED AREA OF AND INDIVIDUAL PANE IS GREATER THAN 9 SF., THE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR, THE EXPOSED TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR, AND ONE OR MORE WALKING SURFACES ARE WITHIN 36" HORIZONTALLY OF THE PLANE OF THE GLAZING [IBC 2406.3.7]
3. GLAZING ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36" HORIZONTALLY OF A WALKING SURFACE, WITHIN 60" HORIZONTALLY OF THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION, AND THE BOTTOM EDGE IS LESS THAN 60" ABOVE THE PLANE OR THE ADJACENT WALKING SURFACE. [IBC 2406.3.10 & 2406.3.11]



8 WINDOW HEAD @ EXISTING BRICK
1 1/2" = 1'-0"



9 WINDOW JAMB @ EXISTING BRICK
1 1/2" = 1'-0"



10 WINDOW SILL @ BRICK
1 1/2" = 1'-0"

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ROBERT MICHAEL THOMAS — REGISTERED ARCHITECT — Robert M Thomas — 1 FEB 2026 — No. 101460 — STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

WINDOW TYPES AND DETAILS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A10.3

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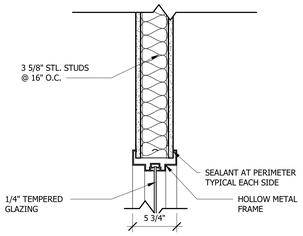
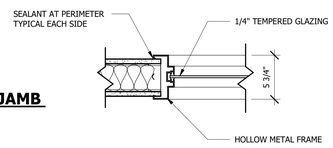
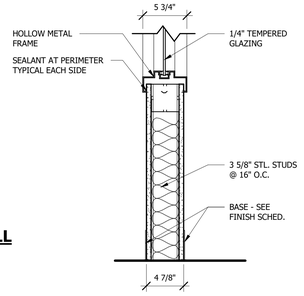


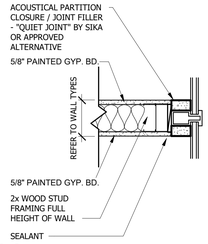
(A) HEAD



(B) JAMB



(C) SILL



(A) JAMB

1 INT. HOLLOW METAL DETAILS
1 1/2" = 1'-0"

2 WINDOW JAMB @ INTERIOR WALL W/ ACOUSTICAL CLOSURE
1 1/2" = 1'-0"

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No. 101460
1/9/2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

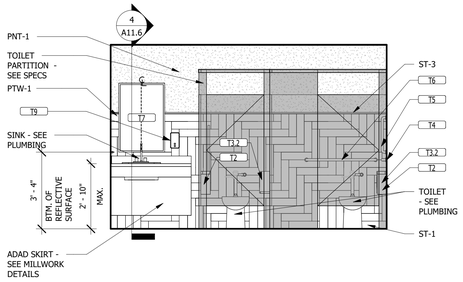
No.	Revision Description	Date

WINDOW DETAILS

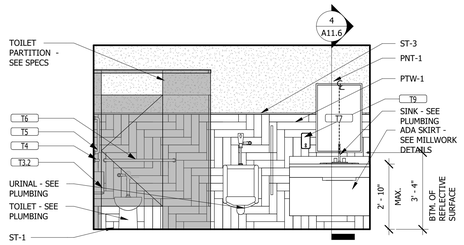
JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A10.4

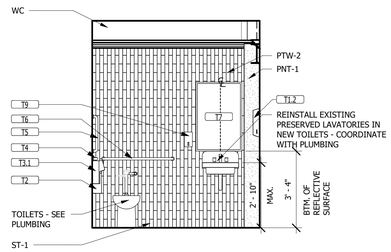
Plotted on: 2/9/2026 12:49:54 PM



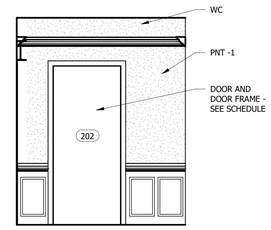
1 INT. ELEV. - 1 @ TLT. 113
3/8" = 1'-0"



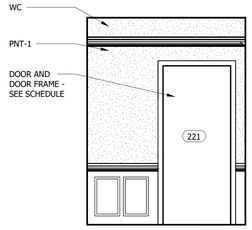
2 INT. ELEV. - 1 @ TLT. 112
3/8" = 1'-0"



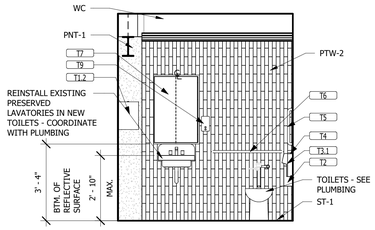
3 INT. ELEV. - 1 @ TLT. 202
3/8" = 1'-0"



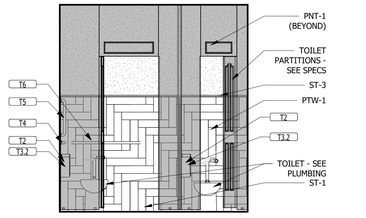
4 INT. ELEV. - 2 @ TLT. 202
3/8" = 1'-0"



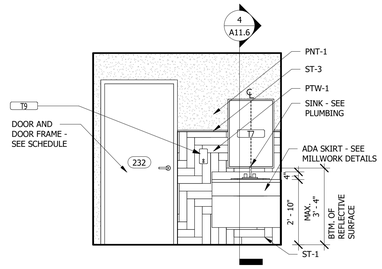
5 INT. ELEV. - 1 @ TLT. 221
3/8" = 1'-0"



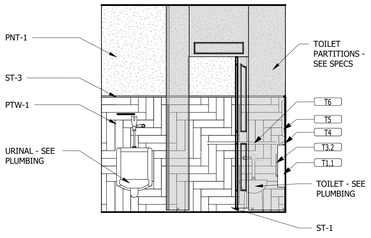
6 INT. ELEV. - 2 @ TLT. 221
3/8" = 1'-0"



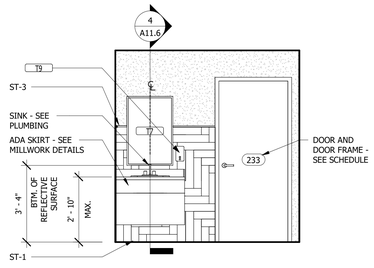
7 INT. ELEV. - 1 @ TLT. 232
3/8" = 1'-0"



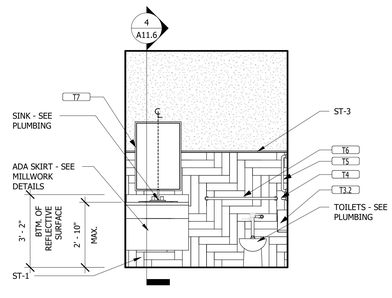
8 INT. ELEV. - 2 @ TLT. 232
3/8" = 1'-0"



9 INT. ELEV. - 1 @ TLT. 233
3/8" = 1'-0"



10 INT. ELEV. - 2 @ TLT. 233
3/8" = 1'-0"



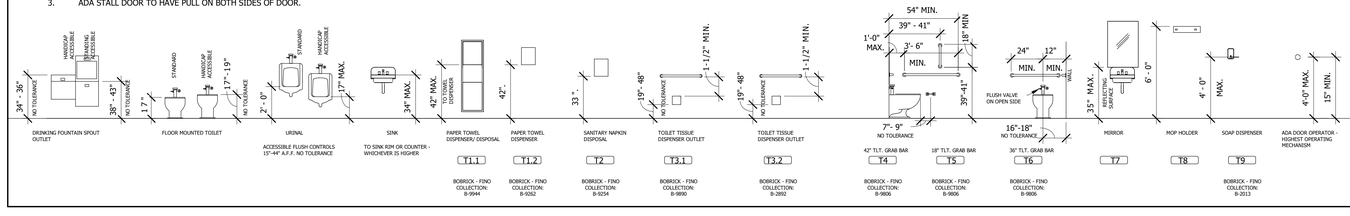
11 INT. ELEV. - 1 @ TLT. 309
3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
T3.2	DOUBLE TOILET PAPER DISPENSER		
T4	GRAB BAR - 42"		
T5	GRAB BAR - 18"		
T6	GRAB BAR - 36"		
T7	MIRROR - 24" x 36"		
T8	MOP RACK		
T9	SOAP DISPENSER		

ADA MOUNTING HEIGHTS - TOILET ACCESSORIES

NOTE:
1. ALL ITMES SHOWN MAY OR MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO ENLARGED TOILET ROOM PLANS FOR ACTUAL ACCESSORIES USED. PROVIDE BLOCKING AS REQUIRED.
2. EQUIPMENT AND DISPENSERS ARE BY OWNER UNLESS INDICATED OTHERWISE.
3. ADA STALL DOOR TO HAVE PULL ON BOTH SIDES OF DOOR.



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Robert M Thomas
1 FEB 2026
No. 101460
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WINCHESTER CITY HALL

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WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

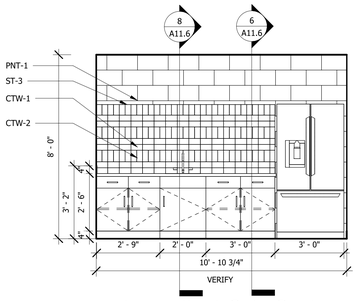
No.	Revision Description	Date

INTERIOR ELEVATIONS AND DETAILS

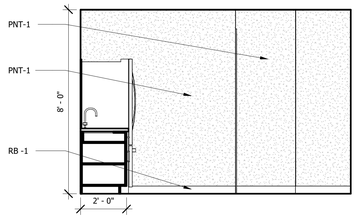
JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.1

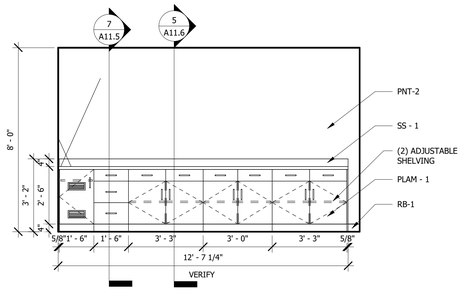
Plotted on: 2/9/2026 12:54:07 PM



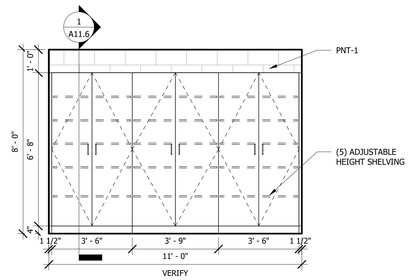
1 INT. ELEV. - 1 @ KITCHENETTE 109
3/8" = 1'-0"



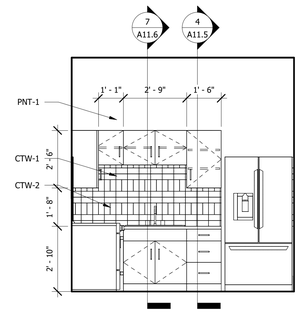
2 INT. ELEV. - 2 @ KITCHENETTE 109
3/8" = 1'-0"



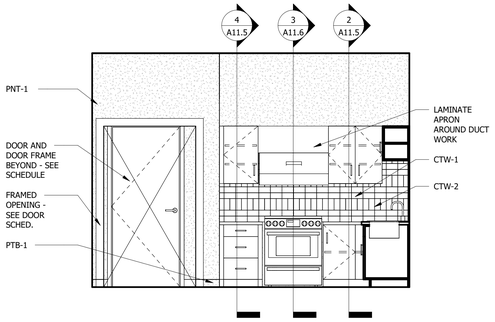
3 INT. ELEV. - 1 @ CONF. 107
3/8" = 1'-0"



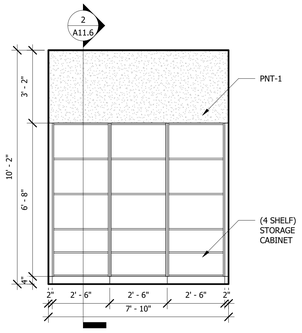
4 INT. ELEV. - 1 @ IT OFFICE 114
3/8" = 1'-0"



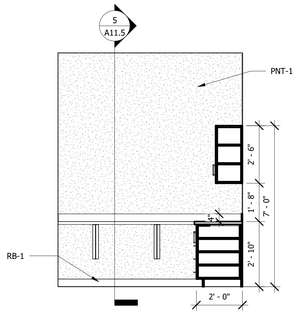
5 INT. ELEV. - 1 @ KITCHEN 209
3/8" = 1'-0"



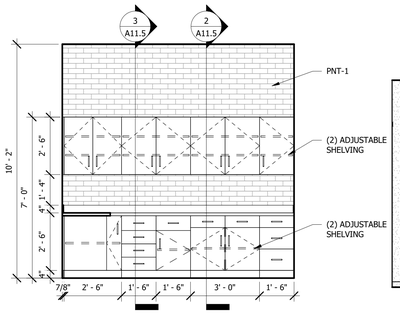
6 INT. ELEV. - 2 @ KITCHEN 209
3/8" = 1'-0"



7 INT. ELEV. - 1 @ RECORDS OFFICE 206
3/8" = 1'-0"



8 INT. ELEV. - 1 @ WORKROOM 210
3/8" = 1'-0"



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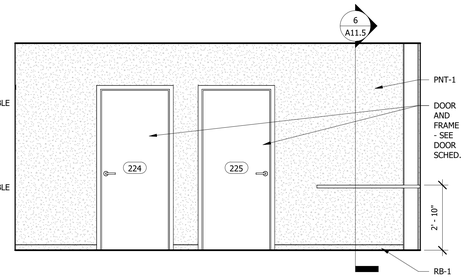
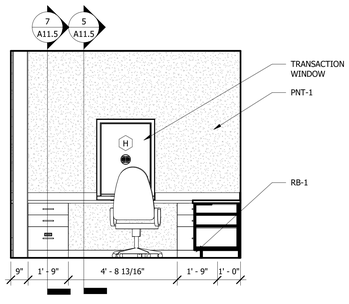
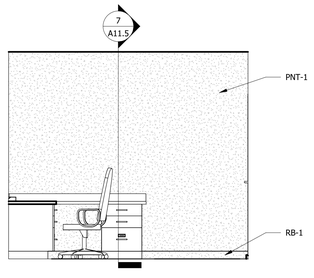
3/8" = 1'-0"



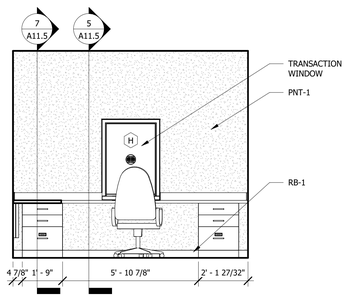
10 INT. ELEV. 1 @ WORK AREA 226
3/8" = 1'-0"



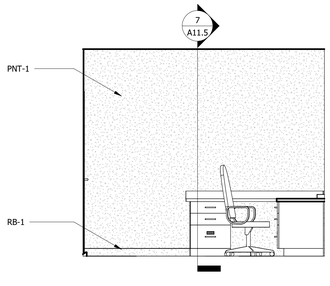
11 INT. ELEV. - 1 @ A.P. OFFICE 228
3/8" = 1'-0"



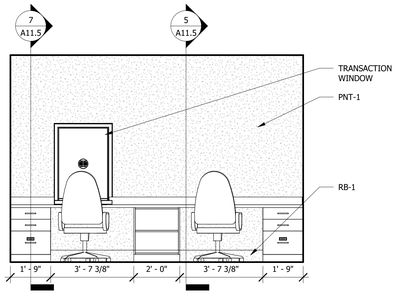
14 INT. ELEV. 2 @ A.P. OFFICE 228
3/8" = 1'-0"



12 INT. ELEV. - 1 @ C.C. OFFICE 229
3/8" = 1'-0"



15 INT. ELEV. 2 @ C.C. OFFICE 229
3/8" = 1'-0"



13 INT. ELEV. - 1 @ CODE ADM. 224
3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE

Type Mark	Type	Comments	Furnished By
SE2	36"		O.F.O.I.

TOILET ACCESSORIES SCHEDULE

Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
T3.2	DOUBLE TOILET PAPER DISPENSER		
T4	GRAB BAR - 42"		
T5	GRAB BAR - 18"		
T6	GRAB BAR - 36"		
T7	MIRROR - 24" x 36"		
T8	MOP RACK		
T9	SOAP DISPENSER		

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1 FEB 2026

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CITY OF WINCHESTER, TENNESSEE

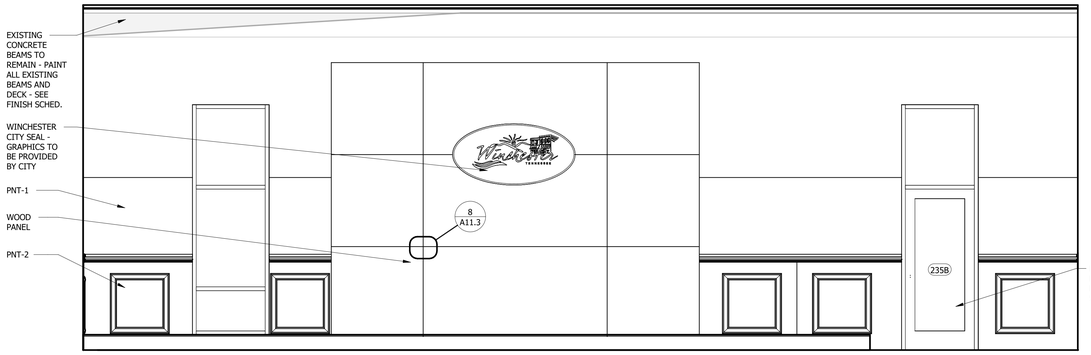
No.	Revision Description	Date

INTERIOR ELEVATIONS AND DETAILS

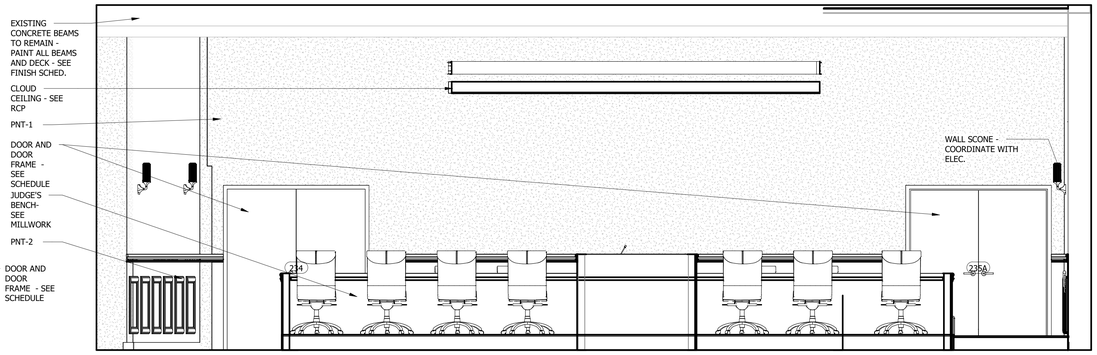
JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.2

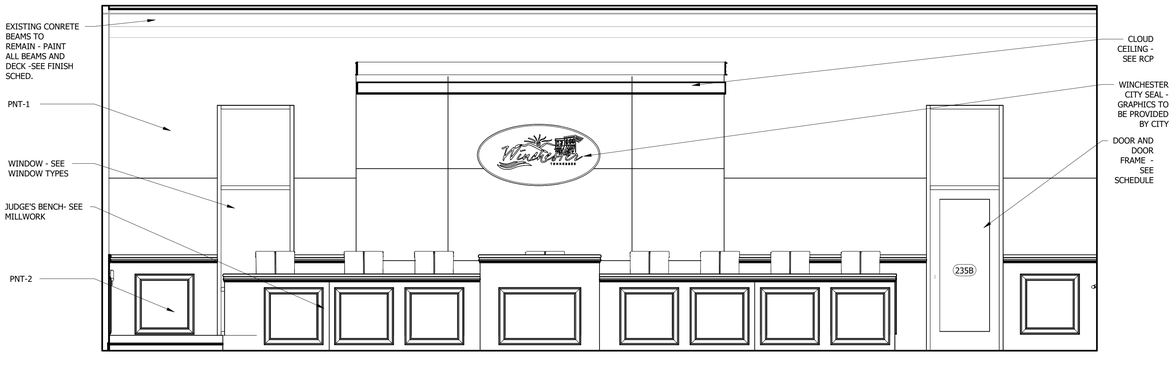
Plotted on: 2/9/2026 12:57:05 PM



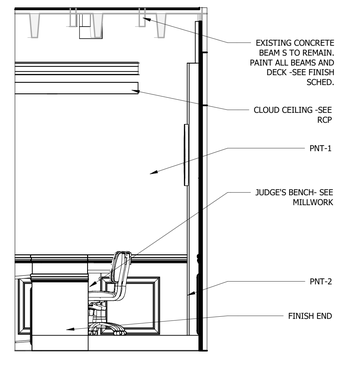
1 INT. ELEV. - 1 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



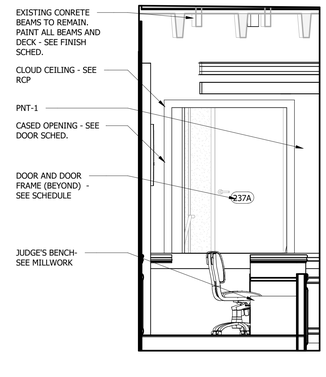
2 INT. ELEV. - 2 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



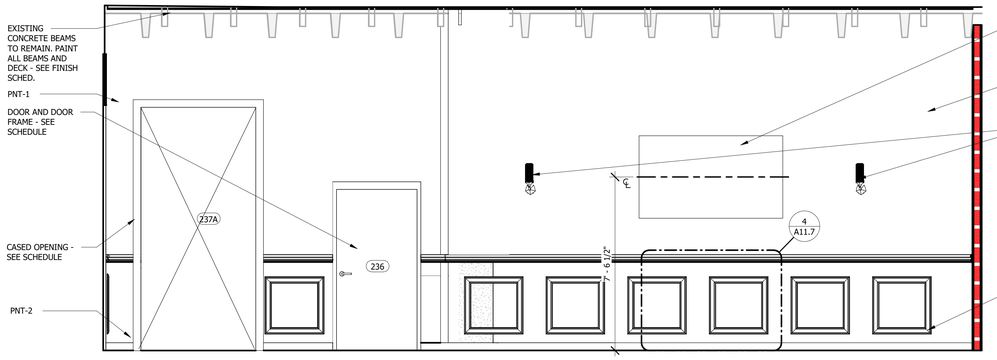
3 INT. ELEV. - 3 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



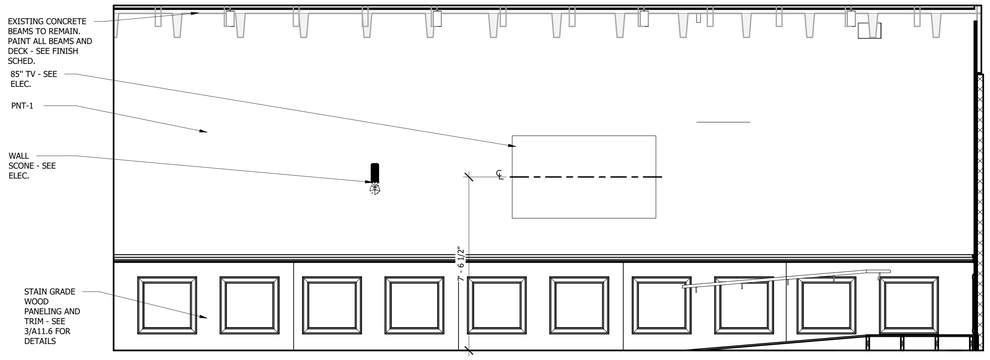
4 INT. ELEV. - 4 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



5 INT. ELEV. - 5 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



6 INT. ELEV. - 7 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



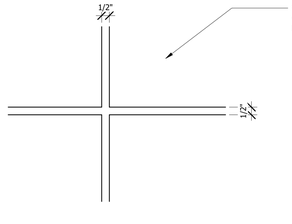
7 INT. ELEV. - 8 @ COURT / COUNCIL ROOM
3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

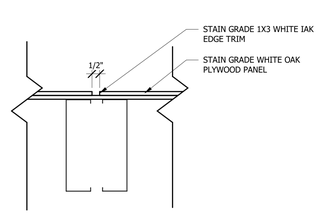
Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
T3.2	DOUBLE TOILET PAPER DISPENSER		
T4	GRAB BAR - 42"		
T5	GRAB BAR - 18"		
T6	GRAB BAR - 36"		
T7	MIRROR - 24" x 36"		
T8	MOP RACK		
T9	SOAP DISPENSER		

SPECIALTY EQUIPMENT SCHEDULE

Type Mark	Type	Comments	Furnished By
SE2	36"		O.F.O.I.



8 ENL. PANEL JOINT
3" = 1'-0"



9 TYP. PANEL JOINT DETAIL
3" = 1'-0"

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Robert M Thrasher
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CITY OF WINCHESTER, TENNESSEE

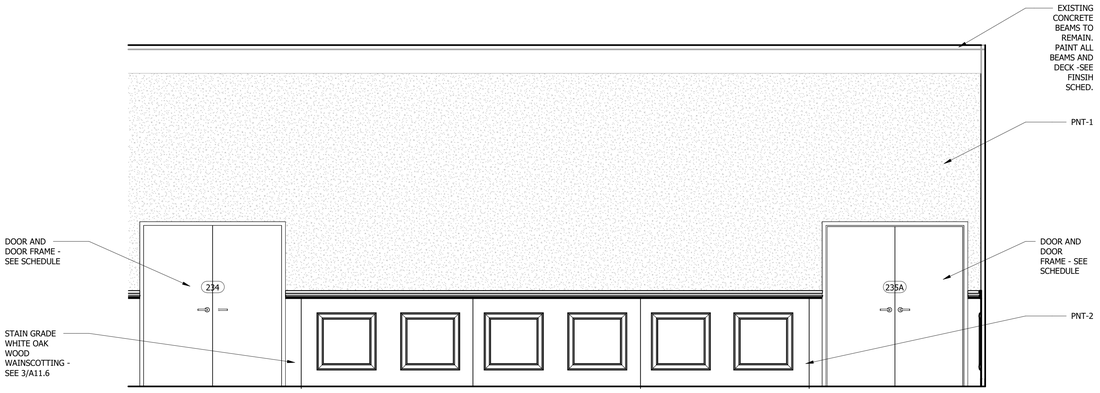
No.	Revision Description	Date

INTERIOR ELEVATIONS AND DETAILS

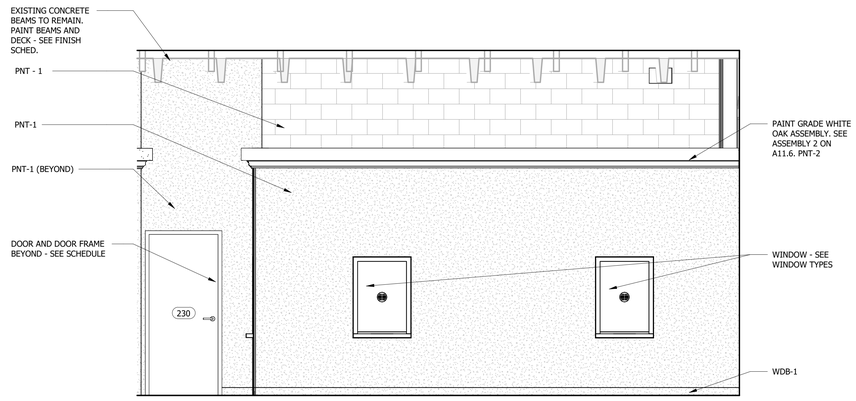
JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.3

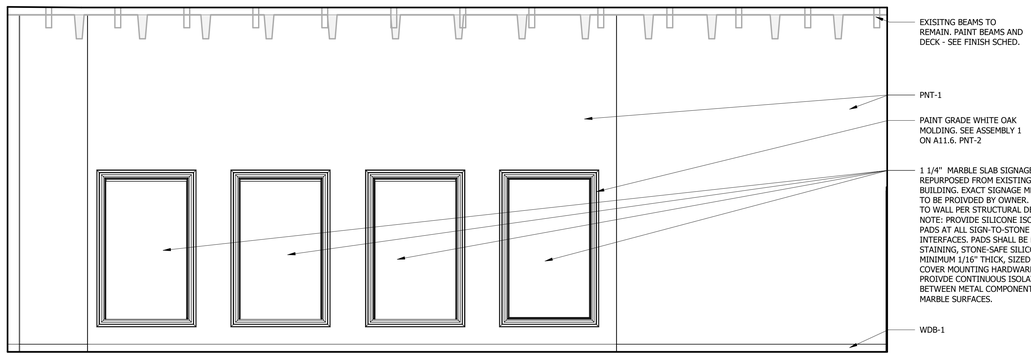
Plotted on: 2/9/2026 12:58:49 PM



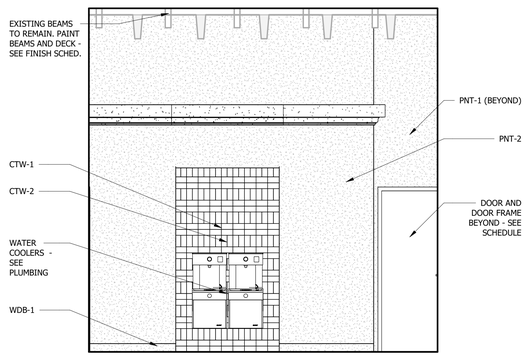
1 INT. ELEV. - 8 @ COURT / COUNCIL ROOM
3/8" = 1'-0"



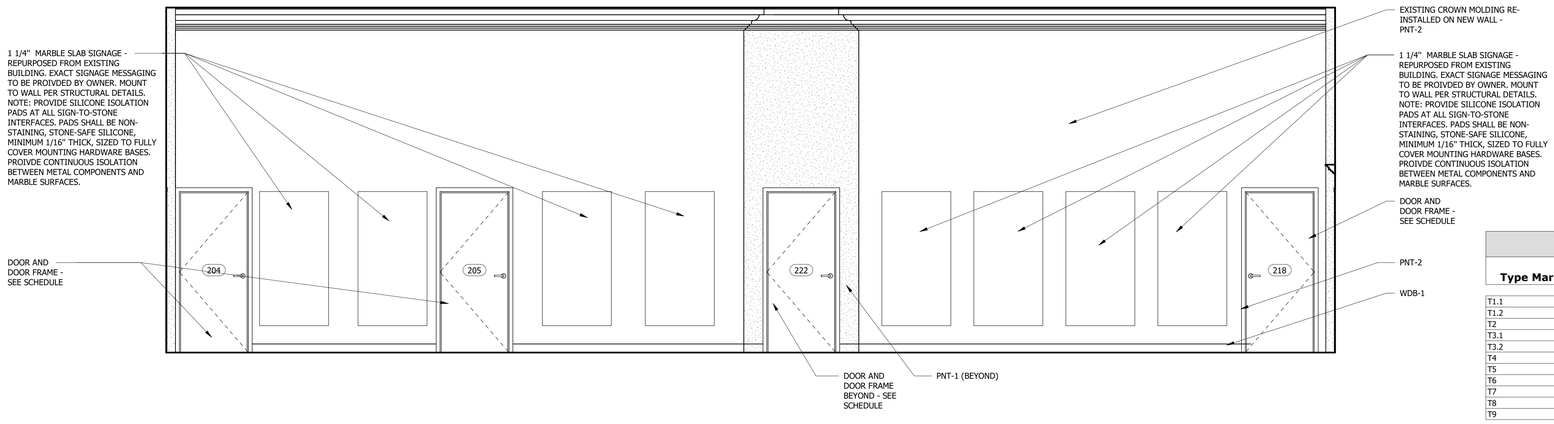
6 INT. ELEV. 1 @ CORR. 230
3/8" = 1'-0"



3 INT. ELEV. - 2 @ LOBBY 231
3/8" = 1'-0"



5 INT. ELEV. -3 @ LOBBY 231
3/8" = 1'-0"



4 INT. ELEV. - 8 @ GALLERY 201
3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

Type Mark	Type	Comments	Furnished By
T1.1	PAPER TOWEL DISPENSER/DISPOSAL		
T1.2	PAPER TOWEL DISPENSER		
T2	SANITARY DISPOSAL		
T3.1	TOILET PAPER DISPENSER		
T3.2	DOUBLE TOILET PAPER DISPENSER		
T4	GRAB BAR - 42"		
T5	GRAB BAR - 18"		
T6	GRAB BAR - 36"		
T7	MIRROR - 24" x 36"		
T8	MOP RACK		
T9	SOAP DISPENSER		

SPECIALTY EQUIPMENT SCHEDULE

Type Mark	Type	Comments	Furnished By
SE2	36"		O.F.O.I.

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No.	Revision Description	Date

INTERIOR ELEVATIONS AND DETAILS

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.4

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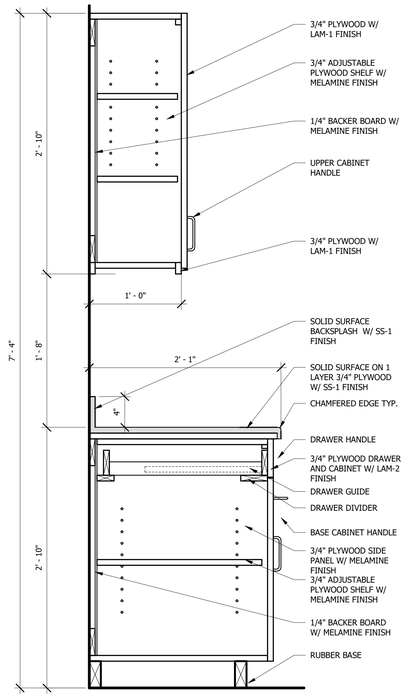
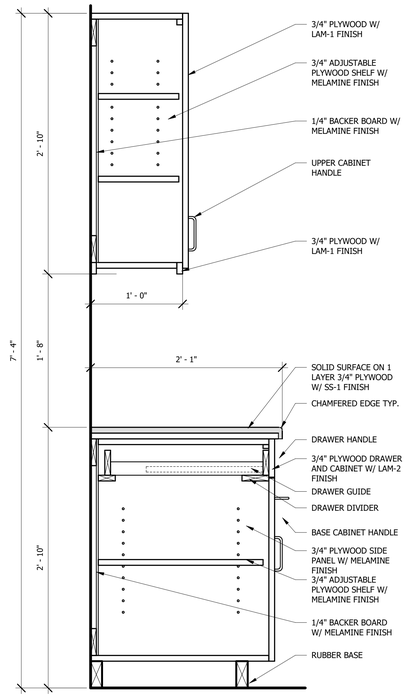
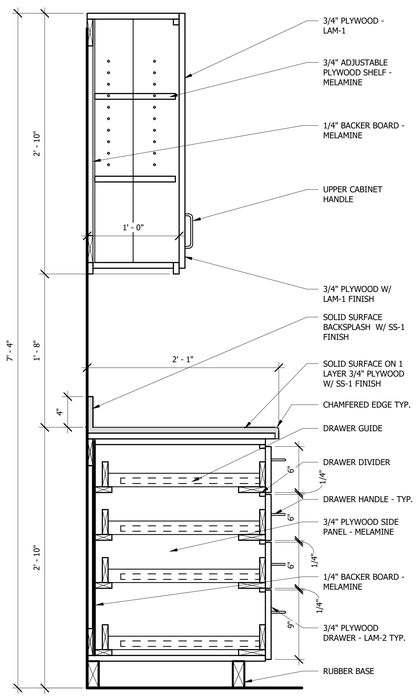


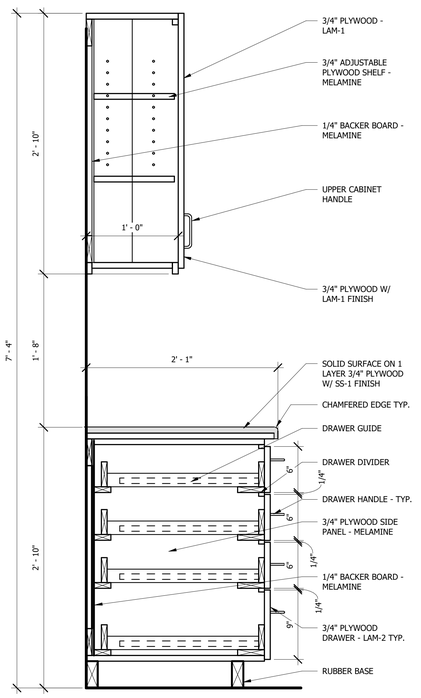
1 MILLWORK DETAIL A
1 1/2" = 1'-0"



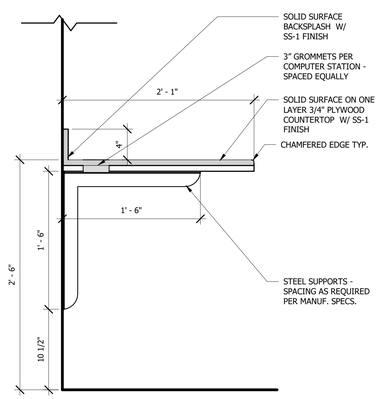
2 MILLWORK DETAIL B
1 1/2" = 1'-0"



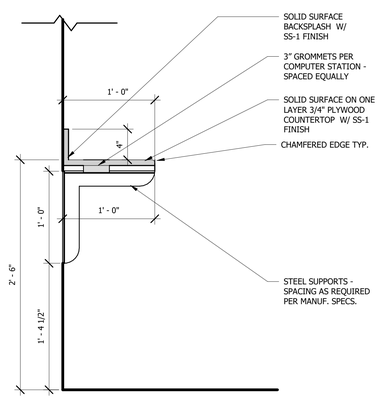
3 MILLWORK DETAIL C
1 1/2" = 1'-0"



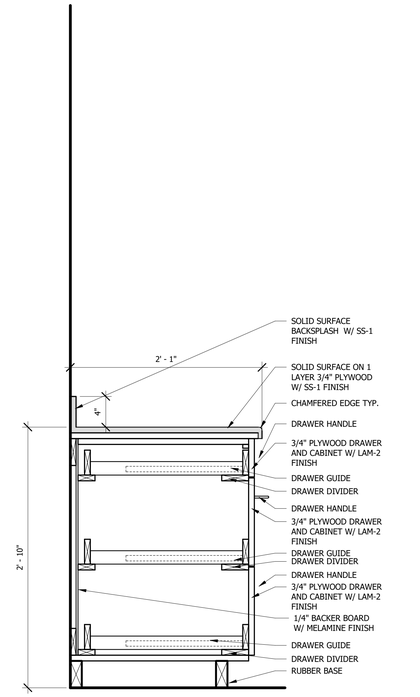
4 MILLWORK DETAIL D
1 1/2" = 1'-0"



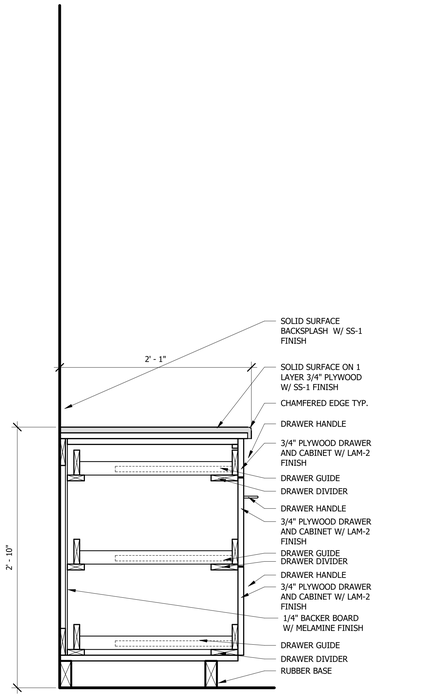
5 MILLWORK DETAIL E
1 1/2" = 1'-0"



6 MILLWORK DETAIL F
1 1/2" = 1'-0"



7 MILLWORK DETAIL G
1 1/2" = 1'-0"



8 MILLWORK DETAIL H
1 1/2" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

MILWORK DETAILS

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.5

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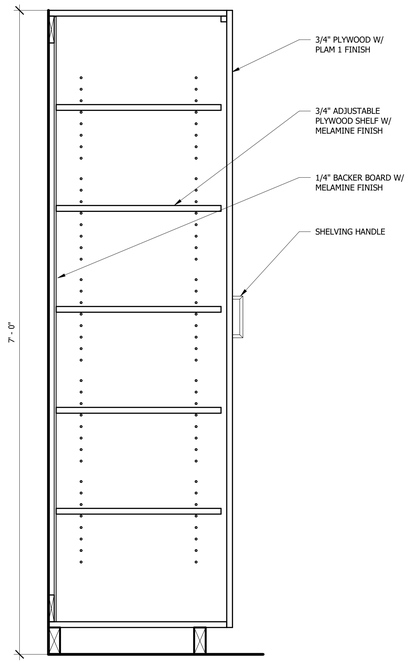
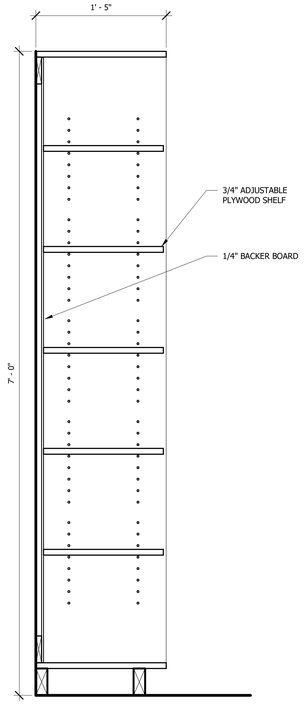
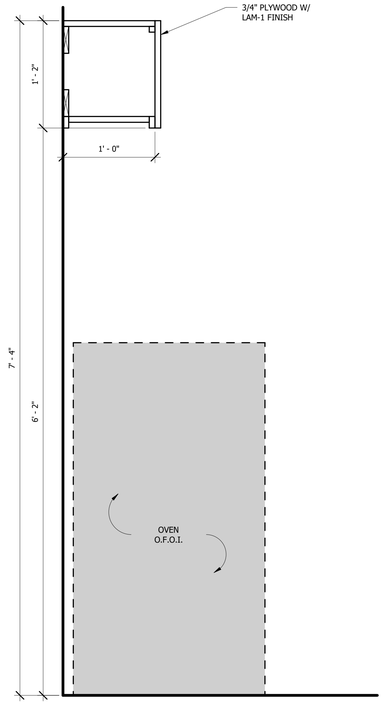


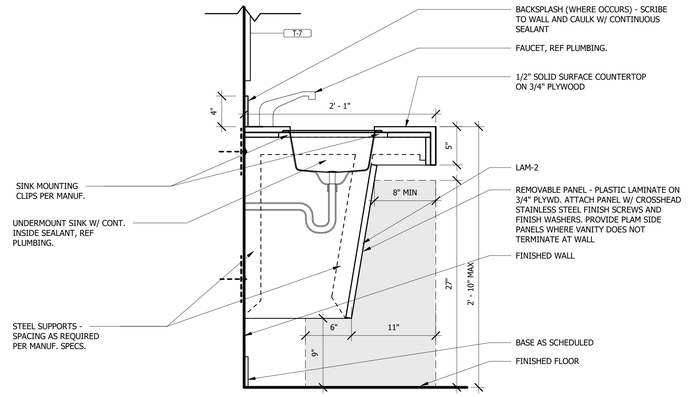
1 MILLWORK DETAIL N
1 1/2" = 1'-0"



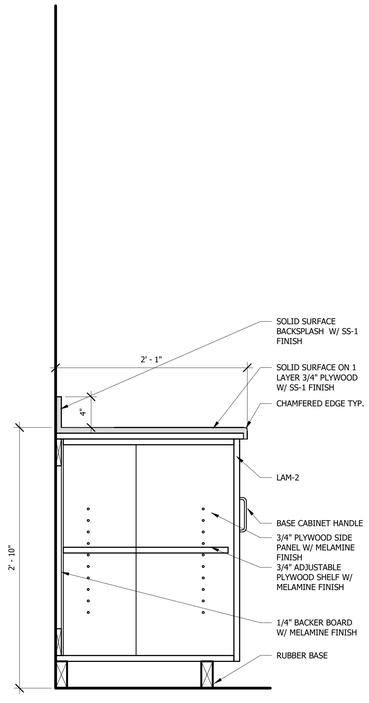
2 MILLWORK DETAIL O
1 1/2" = 1'-0"



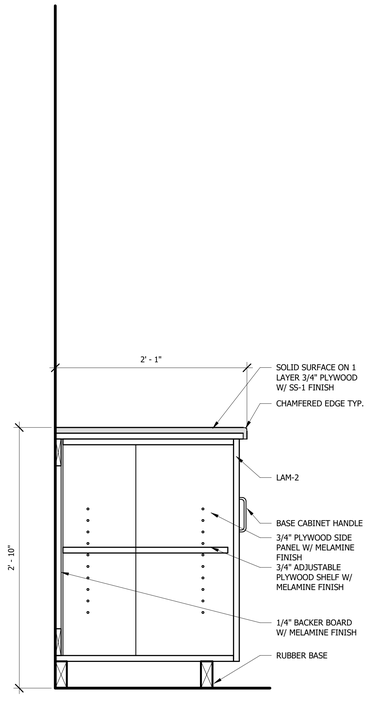
3 MILLWORK DETAIL P
1 1/2" = 1'-0"



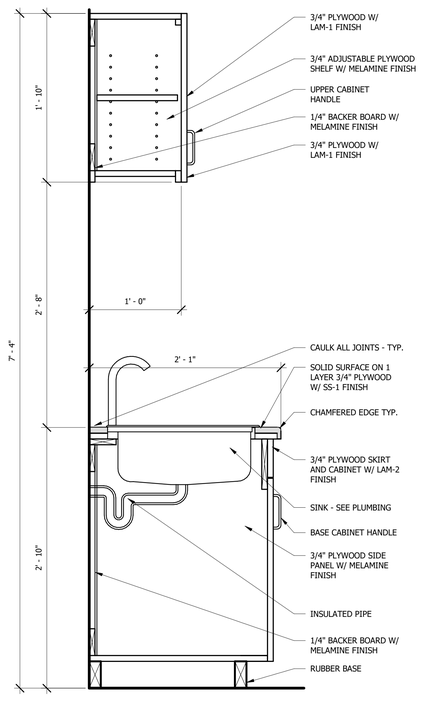
4 MILLWORK DETAIL @ ADA SKIRT SINK
1 1/2" = 1'-0"



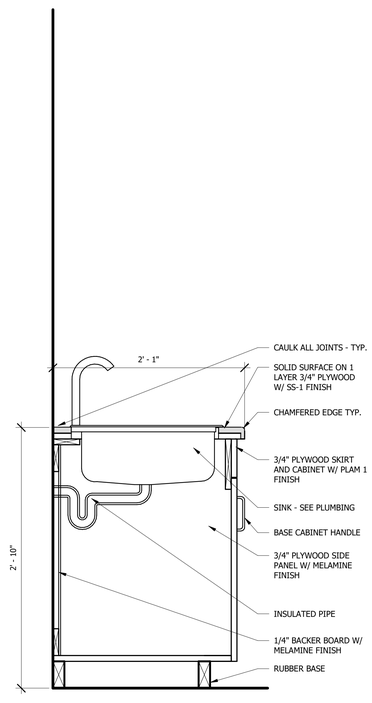
5 MILLWORK DETAIL J
1 1/2" = 1'-0"



6 MILLWORK DETAIL K
1 1/2" = 1'-0"



7 MILLWORK DETAIL L
1 1/2" = 1'-0"



8 MILLWORK DETAIL M
1 1/2" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

MILWORK DETAILS

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A11.6

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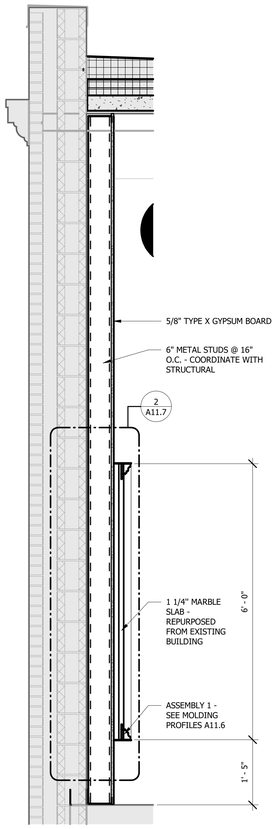
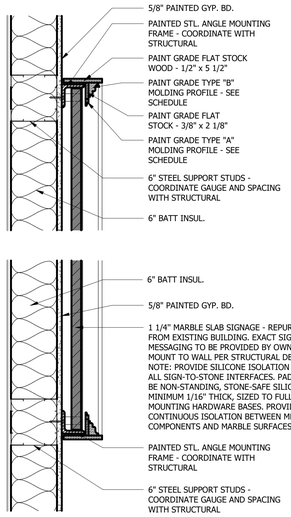
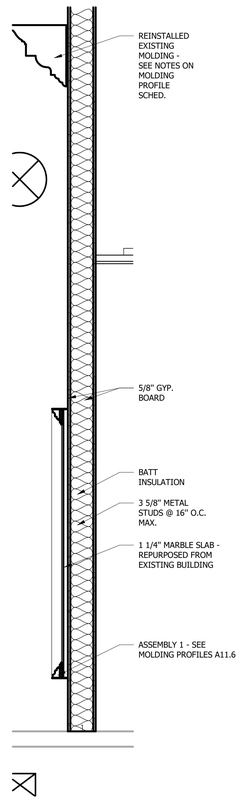


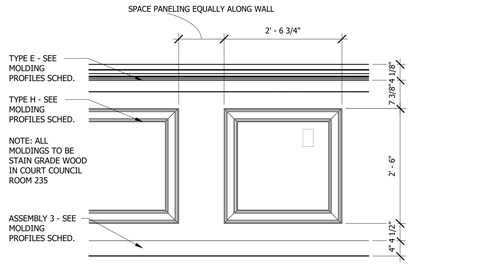
1 WALL SECTION
3/4" = 1'-0"



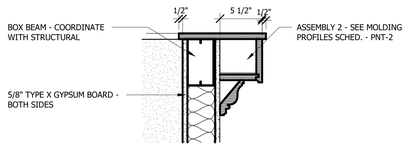
2 SECTION DETAIL @ MARBLE SLAB
1 1/2" = 1'-0"



3 WALL SECTION
3/4" = 1'-0"



4 ENL. ELEVATION @ COURT / COUNCIL WAINSCOTTING
3/4" = 1'-0"



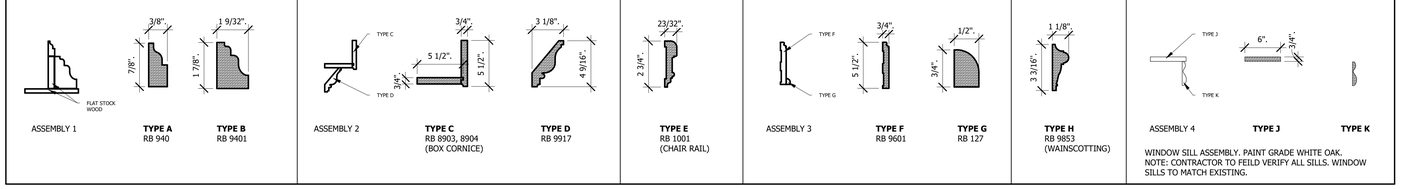
5 ENL. SECTION @ HEAD OF WALL
1 1/2" = 1'-0"

MARBLE SLAB NOTES

1. PER NOTE 26 ON AD1.1, CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING MARBLE SLAB WAINSCOTS AND TOILET PARTITIONS THROUGHOUT FACILITY. DURING THIS PROCESS, CONTRACTOR IS TO INSPECT, MEASURE AND CATALOG EACH SLAB. NOTIFY ARCHITECT IMMEDIATELY OF INSUFFICIENT OR DAMAGED QUANTITIES TO COMPLETE THE SPECIFIED MARBLE SIGNAGE FOR THIS PROJECT. COORDINATE WITH STRUCTURAL FOR MOUNTING OF MARBLE TO WALL.
2. WHEN DRILLING INTO MARBLE:
   - A. NEVER USE HAMMER DRILL MODE.
   - B. DRILL AT A LOW RPM WITH WATER COOLING.
   - C. AVOID VEINS AND EDGES.
   - D. INSTALLER TO REVIEW SLAB CONDITION BEFORE DRILLING.

MOLDING PROFILES

NOTE:
1. MOLDING PROFILES BASED ON RANDALL BROTHERS. SIMILAR PROFILES OR EQUAL TO MANUFACTURERS BASED ON APPROVAL.
2. ALL MOLDING IN GALLERY TO BE REUSED EXISTING MOLDING. CONTRACTOR TO MATCH EXISTING IF DAMAGED.
3. ALL MOLDING PROFILES TO BE PAINT GRADE WOOD. U.N.O. (UNLESS NOTED OTHERWISED).
4. WOOD TO BE STAIN GRADE WHITE OAK.



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MILWORK DETAILS

JOB NO: 63492 DRAWN: ESR
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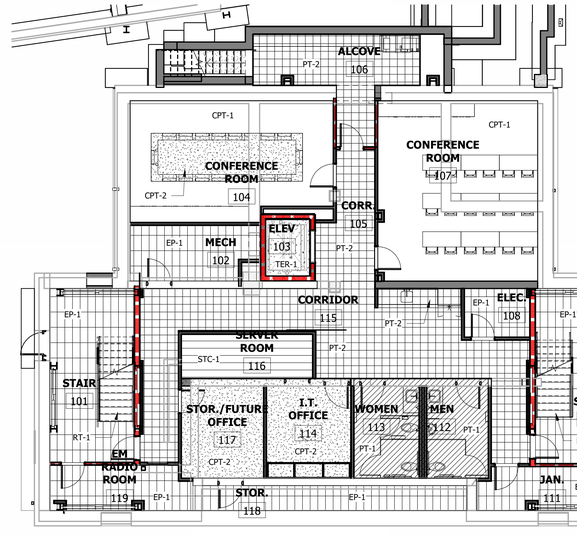
A11.7

Plotted on: 2/9/2026 1:16:16 PM

1 **FINISH FLOOR PLAN COLOR (VISUAL DIAGRAM REFERENCE ONLY) - BASEMENT LEVEL**
1/8" = 1'-0"



2 **FINSH PLAN - BASEMENT LEVEL**
1/8" = 1'-0"

FINSIH FLOOR PATTERNS

- CPT -1
- CPT -2
- TER -1
- TER -2
- PT -1
- PT -2
- PT -3
- EP-1
- STC-1

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ROBERT MICHAEL THOMAS
REGISTERED ARCHITECT
STATE OF TENNESSEE
No. 101460
1/30/2026

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FINISH PLAN

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A12.1

Plotted on: 2/9/2026 1:17:46 PM

2 **FINISH FLOOR PLAN COLOR (VISUAL DIAGRAM REFERENCE ONLY) - GROUND FLOOR**
1/8" = 1'-0"

1 **FINISH PLAN - GROUND FLOOR**
1/8" = 1'-0"

FINSIH FLOOR PATTERNS

- CPT -1
- CPT -2
- TER -1
- TER -2
- PT -1
- PT -2
- PT -3
- EP-1
- STC-1

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No.	Revision Description	Date

FINISH PLAN

JOB NO: 63492 DRAWN: ESR
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A12.2

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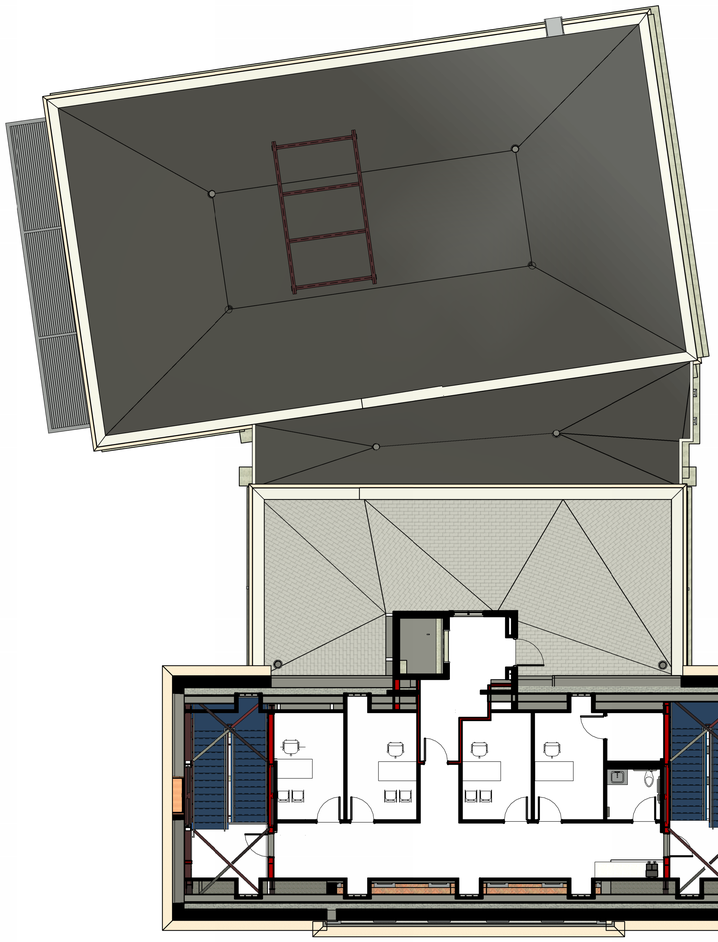
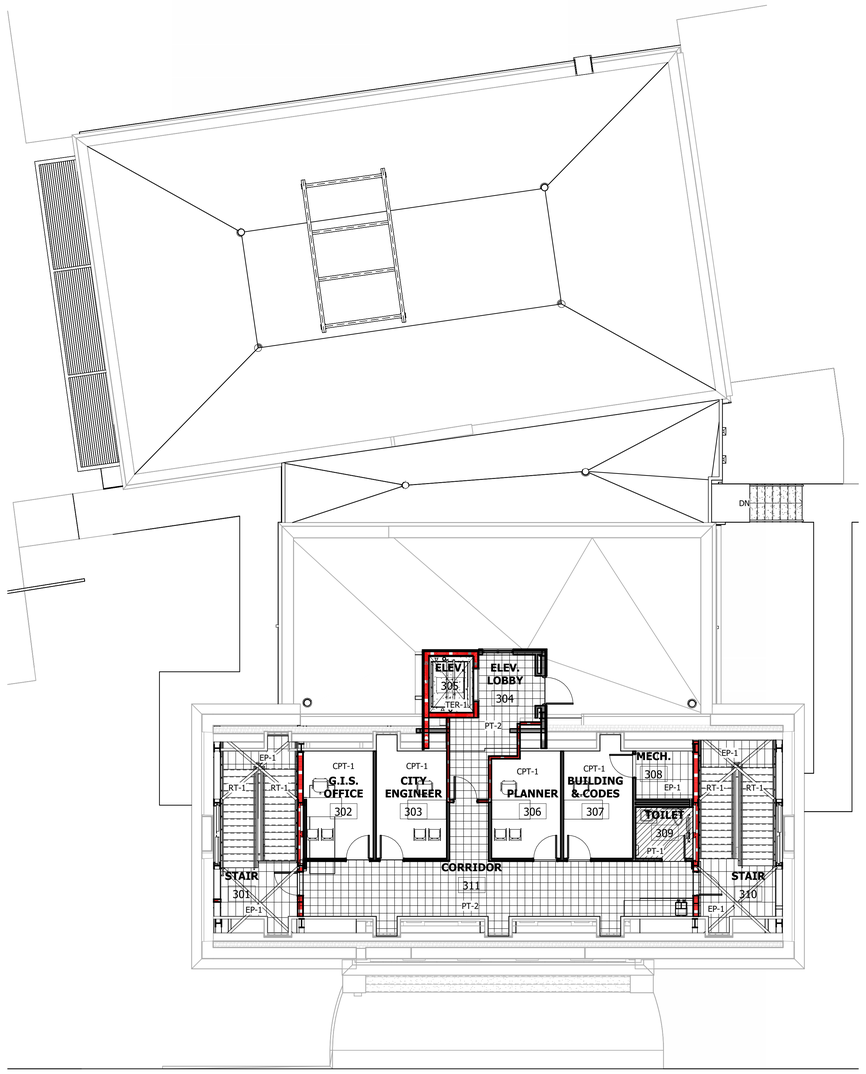


1 FINISH FLOOR PLAN COLOR (VISUAL DIAGRAM REFERENCE ONLY) - SECOND LEVEL
1/8" = 1'-0"



2 FINISH FLOOR PLAN - SECOND LEVEL
1/8" = 1'-0"

FINSIH FLOOR PATTERNS

- CPT -1
- CPT -2
- TER -1
- TER -2
- PT -1
- PT -2
- PT -3
- EP-1
- STC-1

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No.	Revision Description	Date

FINISH PLAN

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A12.3

Plotted on: 2/9/2026 1:22:39 PM

FINISH FLOOR PATTERNS

- CPT -1
- CPT -2
- TER -1
- TER -2
- PT -1
- PT -2
- PT -3
- EP-1
- STC-1

FINISH LEGEND

FLOOR

CPT-1 CARPET
MANUF: MOHAWK GROUP
STYLE: MULTISENSORY SPECTRAL VIEW GT375
COLOR: 846 MOSSLIGHT
SIZE: 24" x 24"
INSTALLED: RANDOM

CPT-2 CARPET
MANUF: MOHAWK GROUP
STYLE: MULTISENSORY WHISPERED LAYERS
COLOR: 646 WOODLAND HUSH
SIZE: 24" x 24"
INSTALLED: BRICK ASHLAR

TER - 1 TERRAZO TILE
MANUF: WAUSAU TILE
STYLE: TRADITIONAL SERIES
COLOR: TZ40 FRESH LIME
SIZE: 24" X 24"

TER - 2 TERRAZO TILE
MANUF: WAUSAU TILE
STYLE: TRADITIONAL SERIES
COLOR: TZ90 MIDNIGHT
SIZE: 24" X 24"

PT-1 PORCELAIN TILE
MANUF: ANATOLIA
STYLE: SOHO, MATTE
GROUT:TBD
COLOR: CANVAS WHITE
SIZE: 1" (MOSAIC)
INSTALLED: TBD

PT-2 PORCELAIN TILE
MANUF: MARAZZI
STYLE:SAVOIR
GROUT:TBD
COLOR: CAFE SQUARE
SIZE: 24" X 24"
INSTALLED: TBD

EP-1 EPOXY
MANUF: TNEMEC
STYLE: SERIES 237, 248 EVERTHANE
COLOR: SLATE GRAY

RT-1 RUBBER TREAD
MANUF: TARKETT
STYLE: ANGLE FIT, DIAMOND
COLOR: CANVAS

STC-1 STATIC CONTROL TILE
MANUF: ARMSTRONG FLOORING
STYLE: STATIC CONTROL OPTIONS
COLOR: MARBLE BEIGE

SC SEALED CONCRETE

WALL

PNT - 1 ENAMEL - WALL PAINT 1 (FIELD)
MANUF: SHERWIN WILLIAMS
COLOR: ACCESSIBLE BEIGE (SW7036)

PNT - 2 ENAMEL - WALL PAINT 2 (ACCENT)
MANUF:SHERWIN WILLIAMS
COLOR: ROOKWOOD DARK (SW2808)

PTW-1 PORCELAIN TILE WALL
MANUF: ANATOLIA
STYLE: SOHO
GROUT: TBD
COLOR: SOFT SAGE
SIZE: 4" X 16"
INSTALLED: 90 HERRINGBONE

PTW-2 PORCELAIN TILE WALL
MANUF: RAGNO
STYLE: LOOK, R8FN
GROUT: TBD
COLOR: NERO, GLOSSY
INSTALLED: BRICK

WC WALLCOVERING
MANUF:MOMENUTM
STYLE: BOWERY
COLOR: NOHO

CTW-1 CERAMIC TILE WALL
MANUF: AMERICAN OLEAN
STYLE: COLORSTORY WALL
GROUT:
COLOR: MATTE, BLACK
SIZE: 3" X 6"
INSTALL: BASKET WEAVE

CTW-2 CERAMIC TILE WALL
MANUF: AMERICAN OLEAN
STYLE: COLOR STORY WALL
GROUT:
COLOR: GLOSSY, BLACK
SIZE: 3" X 6"
INSTALL: BASKET WEAVE

BASE AND TRIMS

RB -1 4" RUBBER BASE
MANUF: JOHNSONITE
STYLE: MILLWORK
COLOR: TBD
SIZE: 4/1/4"

PTB-1 PORCELAIN TILE COVE BASE
MANUF: MARAZZI
STYLE: SAVOIR
COLOR: CAFE
SIZE: BULLNOSE, 3" X 24"

WDB-1 WOOD BASE
MANUF:TBD
STYLE: WHTIE OAK
COLOR:TBD

ST-1 SCHLUTER STRIP
MANUF: SCHLUTER
STYLE: DILEX
COLOR: BLACK

ST-2 SCHLUTER STRIP
MANUF: SCHLUTER
STYLE: SCHIENE
COLOR: STAINLESS STEEL

ST-3 SCHLUTER STRIP
MANUF: SCHLUTER
STYLE: RONDEC
COLOR: BLACK

DOORS AND FRAMES

HOLLOW METAL DOORS AND FRAMES DOOR & FRAME PAINT
MANUF: TBD
COLOR: TBD

SOLID CORE WOOD DOORS STILE AND RAIL WOOD DOORS
MANUF: TBD
TYPE: WHITE OAK
COLOR: TBD

ALUMIN.-FRAMED ENTRANCES AND STOREFRONTS MANUF: TBD
FINISH: TBD

TOILET COMPARTMENTS

TOILET COMPARTMENTS MANUF: SCRANTON PRODUCTS ARIA PARTITIONS
COLOR: SHALE

MILLWORK

SS-1 SOLID SURFACE
MANUF: PRESTIGE STONE BY BPI
COLOR: LEGION PS8732
(COUNTERTOPS AND BACKSPLASH)

LAM-1 PLASTIC LAMINATE 1
MANUF: FORMICA
COLOR: PEARL
(UPPER CABINETS)

LAM-2 PLASTIC LAMINATE 2
MANUF: FORMICA
COLOR: PUMICE
(BASE CABINETS)

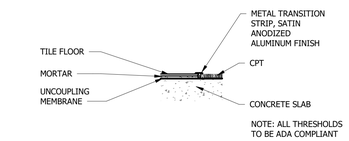
WP-1 WOOD PANELING
MANUF: TBD
STYLE: WHITE OAK
COLOR: TBD
(JUDGE'S BENCH AND WAINSCOTTING)

FINISH NOTES

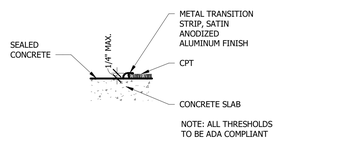
1. FLOOR FINISHES TO BE CONTINUOUS UNDER ALL NEW CASEWORK.
2. ALL OUTSIDE CORNERS OF GYP. BD. WALLS TO RECEIVE CORNER REINFORCEMENT.
3. BLACK ADHESIVE IS NOT TO BE USED FOR VCT, VRB, OR RB

ROOM / FINISH SCHEDULE

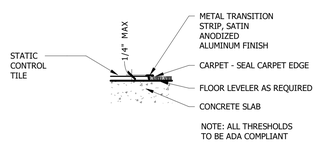
NUMBER	NAME	FLOOR	BASE	N. WALL	E. WALL	S. WALL	W. WALL	COMMENTS
101	STAIR	RT-1, EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
102	MECH	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
103	ELEV	TER-1	-	-	-	-	-	
104	CONFERENCE ROOM	CPT-1, CPT-2	RB -1	PNT-2	PNT-1	PNT-1	PNT-1	
105	CORR.	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
106	ALCOVE	PT- 2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
107	CONFERENCE ROOM	CPT-1	RB -1	PNT-1	PNT-2	PNT-1	PNT-1	
108	ELEC.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
109	KITCHENETTE	PT-2	PTB-1	PNT-1	PNT-1, CTW-1, CTW-2	PNT-1	PNT-1	
110	STAIR	RT-1, EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
111	JAN.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
112	MEN	PT-1	ST-1	PNT-1, PTW-1	PNT-1	PNT-1	PNT-1	
113	WOMEN	PT-1	ST-1	PNT-1	PNT-1	PNT-1, PTW-1	PNT-1	
114	I.T. OFFICE	CPT-2	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
115	CORRIDOR	PT- 2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
116	SERVER ROOM	STC-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
117	STOR./FUTURE OFFICE	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
118	STOR.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
119	EM RADIO ROOM	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
201	GALLERY	TER-1, TER-2	WDB-1	PNT-1	PNT-2	PNT-1	PNT-1	
202	TOILET	TER-1, TER-2	ST-1,WDB-1	PNT-1,WC	PNT-1, WC	PTW-2, WC	PTW-2, WC, PNT-1	
202A	STORAGE	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
203	STAIR	RT-1, EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
204	CITY MANAGER OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
205	CITY RECORDER	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
206	RECORDS OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
207	ELEV.	TER-1	-	-	-	-	-	
208	ELEV. EQ.	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
209	KITCHEN	PT- 2	PTB-1	PNT-1	PNT-1	PNT-1, CTW-1, CTW-2	PNT-1, CTW-1, CTW-2	
210	PROJECT OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
211	CORRIDOR	PT- 2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
212	HR OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
213	RECORDS	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
214	BENEFITS OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
215	FINANCE OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
216	WORK ROOM	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
217	STOR.	EP-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
218	MAYOR'S OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
219	MAIN STREET	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
220	STAIR	RT-1,EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
221	TOILET	TER-1,TER-2	ST-1,WDB-1	PTW-2, WC	PNT-1, WC	PNT-1, WC	PTW-2, WC, PNT-1	
221A	JANITOR	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
222	CORR.	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
223	VESTIBULE	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
224	CODE ADM.	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
225	CONFERENCE	CPT-1, CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	
226	WORK AREA	PT- 2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
228	A.P. OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
229	C.C. OFFICE	CPT-1	RB -1	PNT-1	PNT-1	PNT-1	PNT-1	
230	CORR.	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
231	LOBBY	TER- 1, TER-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1, PNT-2, CTW-1, CTW-2	
232	WOMEN	PT-1	ST-1	PNT-1, PTW-1	PNT-1	PNT-1, PTW-1	PNT-1	
233	MEN	PT-1	ST-1	PNT-1, PTW-1	PNT-1	PNT-1, PTW-1	PNT-1	
234	STOR.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
235	COURT / COUNCIL ROOM	TER-1, TER-2, CPT-2	WDB-1	PNT-1, PNT-2	PNT-1, PNT-2	PNT-1, PNT-2, WD PANEL	PNT-1, PNT-2	
236	STORAGE	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
237	VEST.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
301	STAIR	RT-1, EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
302	G.I.S. OFFICE	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
303	CITY ENGINEER	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
304	ELEV. LOBBY	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	
305	ELEV.	TER-1	-	-	-	-	-	
306	PLANNER	CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
307	BUILDING & CODES	CPT-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	
308	MECH.	EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
309	TOILET	PT-1	ST-1	PNT-1	PNT-1	PNT-1	PTW-1	
310	STAIR	RT-1, EP-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
311	CORRIDOR	PT-2	WDB-1	PNT-1	PNT-1	PNT-1	PNT-1	



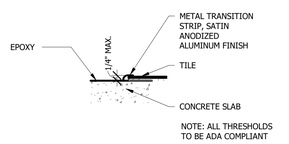
1 TILE TO CPT TRANSITION
3" = 1'-0"



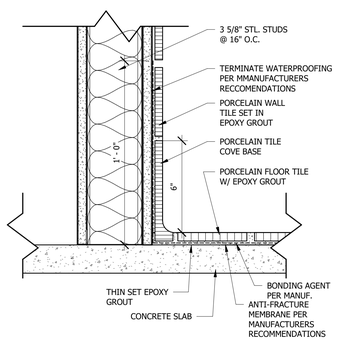
2 SC TO CPT TRANSITION
3" = 1'-0"



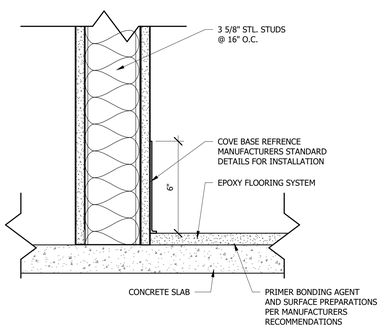
3 CPT TO STC TRANSITION
3" = 1'-0"



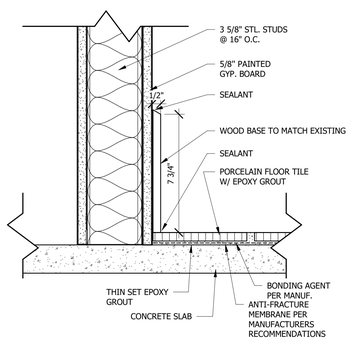
4 TILE TO EP TRANSITION
3" = 1'-0"



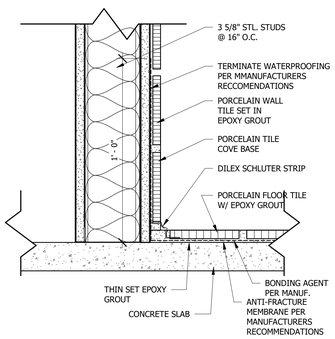
5 TYP. PORCELAIN TILE BASE DETAIL
3" = 1'-0"



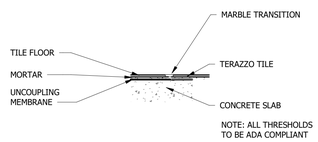
6 TYP. RUBBER BASE DETAIL
3" = 1'-0"



7 TYP. WOOD BASE DETAIL
3" = 1'-0"



8 TYP. SCHLUTER STRIP BASE DETAIL
3" = 1'-0"



9 TILE TO TER TRANSITION
3" = 1'-0"

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ROBERT MICHAEL THOMAS — REGISTERED ARCHITECT — CERTIFICATE NO. 104496 — STATE OF TENNESSEE
1 FEBRUARY 2026

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No.	Revision Description	Date

FINISH SCHEDULE

JOB NO: 63492 DRAWN: ESR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A12.4

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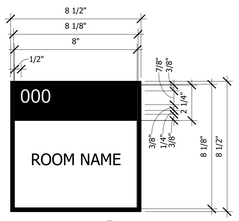

SIGN TYPE A (A)

INSERT SIZE: 8" W X 8" H
INSERT: CLEAR LENS
BAND COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
INSERT MATERIAL: PAPER
INSERT FONT: HELVETICA
INSERT FONT COLOR: AS SELECTED BY ARCHITECT
FRAME:
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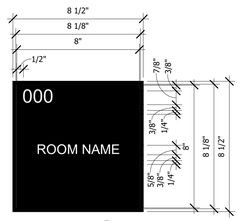
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE B (B)

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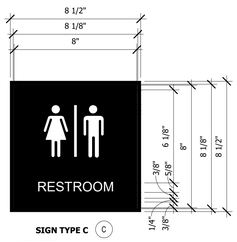
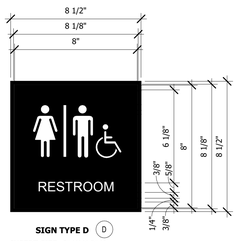
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
FRAME:
FRAME SIZE: 8 1/2" W X 8 1/2" H
FRAME COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE C (C)

INSERT SIZE: 8" W X 8" H
FRAME SIZE: 8 1/2" W X 8 1/2" H

FRAME COLOR: AS SELECTED BY ARCHITECT
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
PICTOGRAM COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE D (D)

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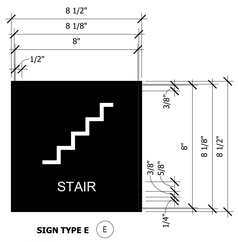
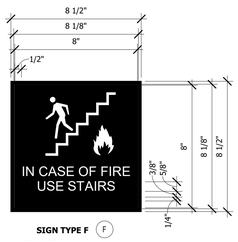
FRAME SIZE: 8 1/2" W X 8 1/2" H

FRAME COLOR: AS SELECTED BY ARCHITECT
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
PICTOGRAM COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



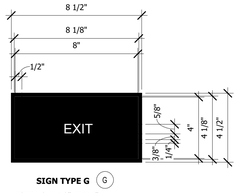
SIGN TYPE E (E)

INSERT SIZE: 8" W X 8" H
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
FRAME:
FRAME SIZE: 8 1/2" W X 8 1/2" H
FRAME COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE F (F)

INSERT SIZE: 8" W X 8" H
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
FRAME:
FRAME SIZE: 8 1/2" W X 8 1/2" H
FRAME COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE G (G)

INSERT SIZE: 8" W X 4" H
FRAME SIZE: 8 1/2" W X 4 1/2" H
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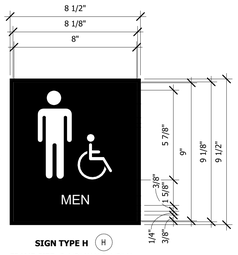
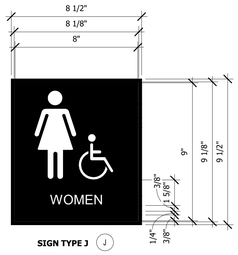
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE H (H)

FRAME SIZE: 8 1/2" W X 9 1/2" H

FRAME COLOR: AS SELECTED BY ARCHITECT
INSERT COLOR: AS SELECTED BY ARCHITECT
FONT: HELVETICA
FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: AS SELECTED BY ARCHITECT
PICTOGRAM COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE J (J)

FRAME SIZE: 8 1/2" W X 9 1/2" H

FRAME COLOR: AS SELECTED BY ARCHITECT
INSERT COLOR: AS SELECTED BY ARCHITECT
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FONT COLOR: AS SELECTED BY ARCHITECT
BRAILLE: GRADE II BRAILLE
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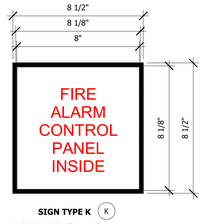
PICTOGRAM COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT

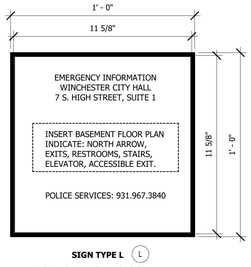


SIGN TYPE K (K)

INSERT SIZE: 8" W X 8" H

INSERT COLOR: WHITE

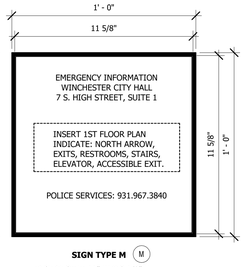
FONT: HELVETICA
FONT COLOR: RED
FRAME:
FRAME SIZE: 8 1/2" W X 8 1/2" H
FRAME COLOR: AS SELECTED BY ARCHITECT
CORNERS: SQUARE
MOUNTING: TAPE MOUNT



SIGN TYPE L (L)

INSERT SIZE: 11" W X 8 1/2" H
INSERT: CLEAR LENS
INSERT COLOR: WHITE
INSERT MATERIAL: PAPER
MOUNTING: TAPE MOUNT

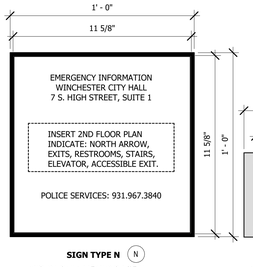
DESIGNED BY SIGN MANUFACTURER TO BE APPROVED BY OWNER



SIGN TYPE M (M)

INSERT SIZE: 11" W X 8 1/2" H
INSERT: CLEAR LENS
INSERT COLOR: WHITE
INSERT MATERIAL: PAPER
MOUNTING: TAPE MOUNT

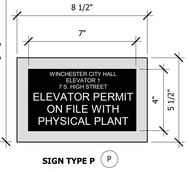
DESIGNED BY SIGN MANUFACTURER TO BE APPROVED BY OWNER



SIGN TYPE N (N)

INSERT SIZE: 11" W X 8 1/2" H
INSERT: CLEAR LENS
INSERT COLOR: WHITE
INSERT MATERIAL: PAPER
MOUNTING: TAPE MOUNT

DESIGNED BY SIGN MANUFACTURER TO BE APPROVED BY OWNER

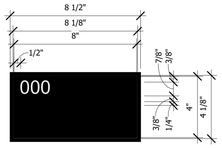


SIGN TYPE P (P)

FRAME PROVIDED BY SCHINDLER
PERMIT SIGN PROVIDED BY U of M

SIGN TYPE S (S)

SIZE: 14" W X 5" H
BACKING: ALUMINUM
COLOR: TO MATCH DOOR
LETTERING: 3M HIGH PERF. VINYL
FONT COLOR: BLACK
MOUNTING: TAPE MOUNT



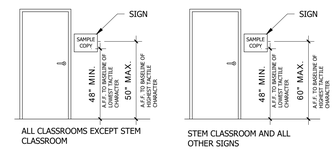
SIGN TYPE T (T)

SIGN SIZE:
INSERT SIZE: 8" W X 4" H
FRAME SIZE: 8 1/2" W X 4 1/2" H

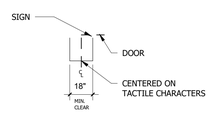
FRAME COLOR: BLACK
INSERT COLOR: BLACK
FONT: HELVETICA
FONT COLOR: WHITE
BRAILLE: GRADE II BRAILLE
BRAILLE COLOR: WHITE
CORNERS: SQUARE
MOUNTING: TAPE MOUNT

ADA SIGN MOUNTING

NOTE:
1. ALL SIGNS TO BE PER DEPARTMENT OF JUSTICE 2010 ADA STANDARDS



ELEVATION OF INSTALLATION HEIGHT OF CHARACTERS ABOVE FINISHED FLOOR



PLAN OF THE LOCATION OF TACTILE SIGNS AT DOORS

SIGNS

NOTE:
1. PROVIDE A SIGN FOR EVERY DOORWAY, WHETHER IT HAS A DOOR OR NOT.
2. ALL SIGNS MOUNTED ON GLAZING TO HAVE A BACKPLATE THAT MATCHES THE SIGNS FRAME MATERIAL OF THE SIGN, IN ORDER TO HIDE THE ADHESIVE.

Allen&Hoshall
engineers • architects • surveyors

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Memphis, TN 38120
901 820 0820 fax 866 270 6330

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ROBERT MICHAEL THUNE
REGISTERED ARCHITECT
1/9/2026
No. 101460
STATE OF TENNESSEE

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

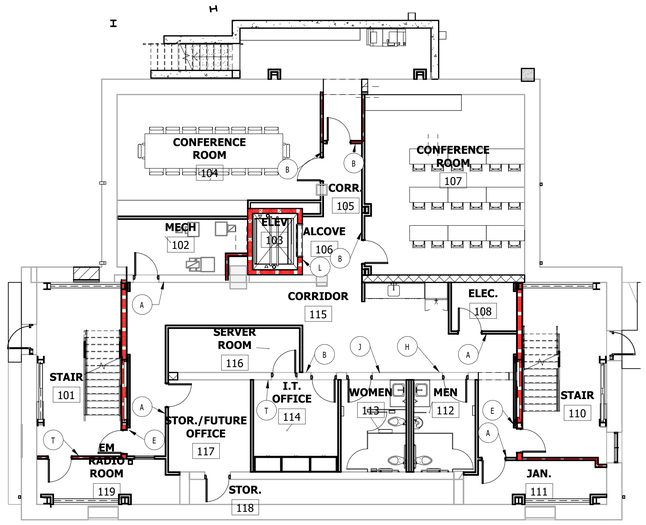
No.	Revision Description	Date

SIGNAGE AND GRAPHICS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A13.1

Plotted on: 2/9/2026 1:24:57 PM



1 BASEMENT LEVEL - SIGNAGE PLAN

1/8" = 1'-0"

2 GROUND FLOOR - SIGNAGE PLAN

1/8" = 1'-0"

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1/9/2026
No. 101460
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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

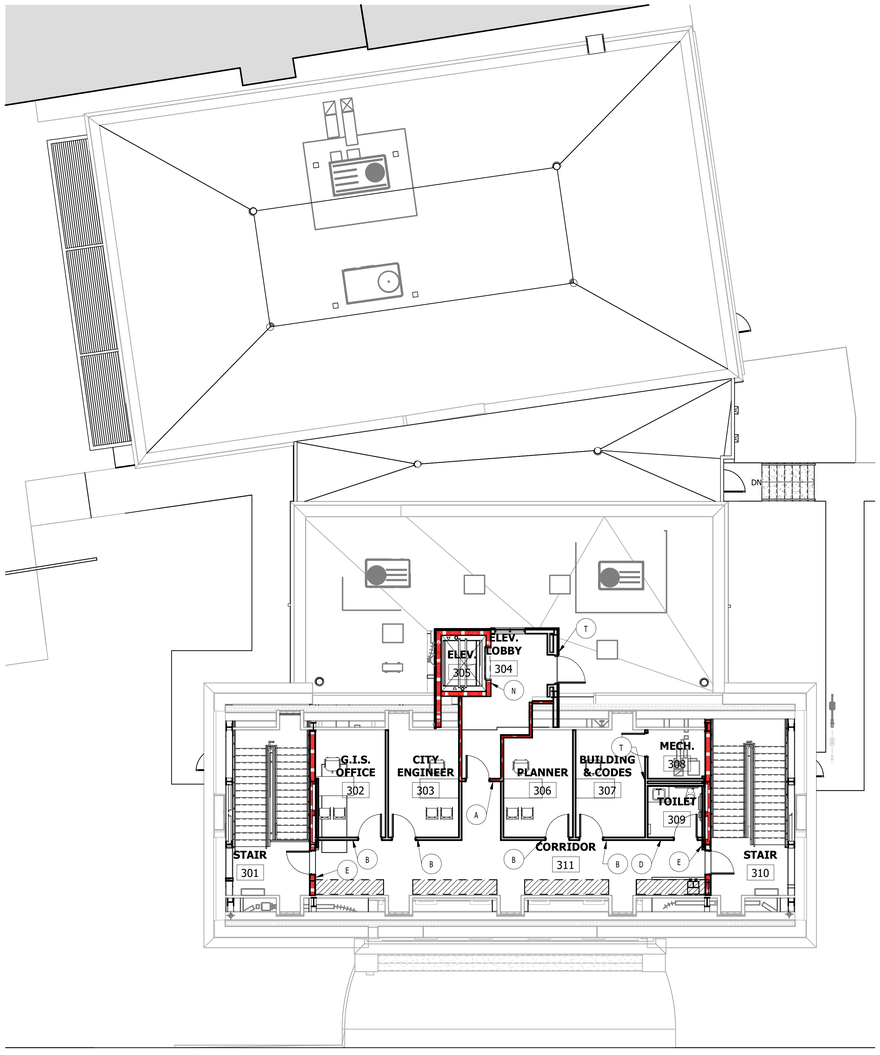
No.	Revision Description	Date

SIGNAGE PLANS

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A13.2

Plotted on: 2/9/2026 1:32:50 PM



1 SECOND FLOOR - SIGNAGE PLAN
1/8" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SIGNAGE PLAN

JOB NO: 63492 DRAWN: RMT
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

A13.3

Plotted on: 2/9/2026 1:33:43 PM

STRUCTURAL GENERAL NOTES

(APPLIES TO SX.X SERIES SHEETS ONLY.)

ABBREVIATIONS

ADJ	ADJACENT
AFF	ABOVE FINISHED FLOOR
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECTURAL
BC	BOTTOM CHORD
BLDG	BUILDING
BM	BEAM
BTM	BOTTOM
BP	BASE PLATE
BRG	BEARING
BS	BOTH SIDES
BW	BOTH WAYS
C	COMPRESSION
CHNL	CHANNEL
CJ	CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR OR CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
D	DEPTH
DIA,Ø	DIAMETER
DIM	DIMENSION
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FND	FOUNDATION
FFE	FINISHED FLOOR ELEVATION
FP	FULL PENETRATION
FS	FAR SIDE
FTG	FOOTING
GA	GAGE OR GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
HS	HEADED STUD
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIPS (1000 LBS.)
KSI	KIPS PER SQUARE INCH
LB,#	POUNDS
LD	DEVELOPMENT LENGTH
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LWC	LIGHTWEIGHT CONCRETE
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N/A	NOT APPLICABLE
NS	NEAR SIDE
NTS	NOT TO SCALE
O.C.	ON CENTER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
PERP	PERPENDICULAR
PL	PLATE
PEMB	PRE-ENGINEERED METAL BUILDING
PRELIM	PRELIMINARY
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RAD	RADIUS
RD	ROOF DRAIN
REINF	REINFORCING (-ED, -MENT)
REQ'D	REQUIRED
REV	REVISION
RW	RETAINING WALL
SCHED	SCHEDULE (D)
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SJ	SEISMIC JOINT
SMF	SPECIAL MOMENT FRAME
SPEC	SPECIFICATIONS(S)
SQ	SQUARE
SS	STAINLESS STEEL
STRUCT	STRUCTURE
SYM	SYMMETRICAL
T	TOP, TENSION
T/,T.O.	TOP OF
T/CONC	TOP OF CONCRETE
T/FTG	TOP OF FOOTING
T/SLAB	TOP OF SLAB
T&B	TOP & BOTTOM
TEMP	TEMPERATURE
THK	THICKNESS
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRNV	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WP	WORK POINT
WWF	WELDED WIRE FABRIC

A. DESIGN CRITERIA

1. THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE, 2021 EDITION.

   1.1 PROVISIONS HAVE NOT BEEN MADE FOR FUTURE VERTICAL EXPANSION.

2. GRAVITY LOADS

   2.1 UNIFORM DEAD LOADS (IN ADDITION TO STRUCTURE SELF-WEIGHT):

   A. FLOOR
   - a. 4" CONCRETE SLAB 50 PSF
   - b. 6" CONCRETE SLAB 75 PSF
   - c. WOOD FLOORING 20 PSF
   - d. CONCRETE BEAMS 67 PSF

   B. ROOF
   - a. SLATE ROOF 20 PSF
   - b. CONNECTOR ROOF 16 PSF

   2.2 UNIFORM LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

   A. ROOF 20 PSF
   B. 1ST FLOOR CORRIDOR 100 PSF
   C. 2ND FLOOR CORRIDOR 80 PSF
   C. STAIRS & LOBBIES 100 PSF

   2.3 ROOF SNOW LOAD DATA:

   A. GROUND SNOW LOAD 10 PSF
   B. RISK CATEGORY II
   C. IMPORTANCE FACTOR 1.0
   D. THERMAL FACTOR (Ct) 1.0
   E. EXPOSURE FACTOR (Ce) 1.0
   F. FLAT SNOW LOAD (Pf) 8.4 PSF

   2.5 LOADS FOR HANDRAILS, GUARDS, GRAB BARS AND SEATS. THESE ARE CONSIDERED SPECIAL LOADS.

   A. LINEAR LOAD 50 PLF
   B. HANDRAILS & GUARDS CONC. LOAD 200 LB AT ANY LOCATION
   C. INTERMEDIATE RAIL, BALASTERS, ETC. 50 LB AT ANY LOCATION

3. WIND DESIGN DATA:

   A. RISK CATEGORY II
   B. BASIC DESIGN WIND SPEED 105 MPH
   C. ASD WIND SPEED 81.3 MPH
   D. WIND EXPOSURE B
   E. INTERNAL PRESSURE COEFFICIENT +/-.18
   F. DESIGN PRESSURES FOR COMPONENTS & CLADDING (FOR DELEGATED DESIGN)-SEE DIAGRAM SHEET S0.1 - COMPONENTS & CLADDING REQUIREMENT FOR DELEGATED DESIGN NOT PERFORMED BY E.O.R.

4. EARTHQUAKE LOADS: (35.185557, -86.112896) ELEVATION= 977 FT

   A. SEISMIC RISK CATEGORY II
   B. SEISMIC IMPORTANCE FACTOR 1.00
   C. SITE SPECIFIC PROBABILISTIC SEISMIC HAZARD ANALYSIS BY TERRACON, DATED JULY 16, 2025, PROJECT NO. 18255095
      - a. SPECTRAL RESPONSE COEFFICIENTS $S_s = 0.276$, $S_1 = 0.115$
      - b. DESIGN SPECTRAL RESPONSE COEFFICIENTS $S_{DS} = 0.239$, $S_{D1} = 0.776$
      - C. SITE CLASS C
   D. SEISMIC DESIGN CATEGORY B
   E. SEISMIC RESISTING SYSTEM FOR MAIN BUILDING STEEL ORDINARY CONCENTRICALLY BRACED FRAMES
   F. DESIGN BASE SHEAR V = 42.3 KIPS
   G. SEISMIC RESPONSE COEFFICIENT(S) $C_s = 0.074$
   H. RESPONSE MODIFICATION FACTOR R = 3.25
   I. DEFLECTION AMPLIFICATION FACTOR $C_d = 3.25$
   J. SYSTEM OVERSTRENGTH FACTOR $\Omega_0 = 2.0$
   K. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE
   L. SEISMIC RESISTING SYSTEM FOR CONNECTOR BUILDING ORDINARY MOMENT FRAMES
   M. DESIGN BASE SHEAR(S) V = 11.17 KIPS
   N. SEISMIC RESPONSE COEFFICIENT(S) $C_s = 0.074$
   O. RESPONSE MODIFICATION FACTOR R = 3.5
   P. DEFLECTION AMPLIFICATION FACTOR $C_d = 3.0$
   Q. SYSTEM OVERSTRENGTH FACTOR $\Omega_0 = 3.0$
   R. ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

6. ROOF RAIN LOAD DATA: PER NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION PRECIPITATION FREQUENCY DATA SERVER.

   6.1 100 YEAR, 1 HOUR RAIN INTENSITY= 3.89 IN/HR

   6.2 100 YEAR, 15 MIN RAIN INTENSITY = 7.37 IN/HR

   6.3 MINIMUM RAIN LOAD= 5.2 PCI(DEPTH OF WATER ON UNDEFLECTED ROOF TO SECONDARY INLET (STATIC) + DEPTH OF WATER ABOVE SECONDARY INLET AT DESIGN FLOW (HEAD))

   6.4 PONDING INSTABILITY- EVALUATED PER SECTION 8.4 OF ASCE 7-16

B. CONTRACT DOCUMENTS

1. CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL DOCUMENTS (DRAWINGS AND SPECIFICATIONS), BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.

2. IN THE EVENT CONTRACT DOCUMENTS CONFLICT WITH THE CODE OF PRACTICE OR SPECIFICATIONS OF ACI, PCI, AISC, AISI, SJI OR OTHER STANDARDS, IMMEDIATELY CONTACT STRUCTURAL ENGINEER FOR CLARIFICATION.

3. THE CONTRACTOR SHALL COORDINATE ALL DISCIPLINE TRADES INCLUDED IN THE CONTRACT DOCUMENTS TO RESULT IN A COMPLETE BUILDING SYSTEM. THE WORK OF THE TRADES AND THEIR SEQUENCE SHALL BE PLANNED PRIOR TO CONSTRUCTION AND THE CONTRACT DOCUMENTS USED AS A TOTAL PACKAGE. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL SUBCONTRACTORS IN A MANNER THAT ENSURES CONSTRUCTION CAN PROGRESS UNIMPEDED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.

4. NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF THE OWNER, CONTRACTOR, ENGINEER, SUPPLIER, OR ANY OF THEIR CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR ANY DUTY OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.

5. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE STANDARD, CODE, OR SPECIFICATION REFERENCED BY THE EDITION OF THE BUILDING CODE LISTED IN THE DESIGN CRITERIA LISTED IN SECTION A.

6. DIMENSIONS SHOWN ON STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH DIMENSIONS SHOWN ON ARCHITECTURAL DRAWINGS.

C. CONTRACTOR RESPONSIBILITIES

1. CONTRACTOR SHALL IMMEDIATELY UPON NOTICE TO PROCEED VERIFY THE DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. ARCHITECT/STRUCTURAL ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCY.

2. CONTRACTOR SHALL IMMEDIATELY NOTIFY, IN WRITING, THE ARCHITECT/STRUCTURAL ENGINEER OF CONDITIONS ENCOUNTERED IN THE FIELD DURING CONSTRUCTION THAT ARE CONTRADICTORY TO THOSE SHOWN ON THE CONTRACT DOCUMENTS.

3. CONTRACTOR SHALL VERIFY THE WEIGHTS, OPENING SIZES AND LOCATIONS OF THE FINAL SELECTED EQUIPMENT WITH THE EQUIPMENT IDENTIFIED ON THE STRUCTURAL DRAWINGS AND REMAINING CONTRACT DOCUMENTS.

4. CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

5. CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE DESIGN, ADEQUACY, AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC.

6. CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA SAFETY REGULATIONS.

7. CONTRACTOR SHALL PROVIDE MATERIAL, WORKMANSHIP, AND DELEGATED DESIGN TO CONFORM TO THE REFERENCED BUILDING CODE.

SPECIFIC FIELD VERIFICATION REQUIREMENTS:

8. **ELEVATOR AREA:**
   - A. VERIFY TOP OF FOOTING ELEVATIONS AND THICKNESS FOR WALL AND COLUMN FOOTINGS
   - B. PROVIDE DIMENSIONS OF FOOTING PROJECTIONS FROM FACE OF COLUMN (BOTH DIRECTIONS) AND FROM FACE OF WALL TO FOOTING EDGE
   - C. VERIFY WALL THICKNESS BEHIND ELEVATOR
   - D. LOCATE WIDTH AND DEPTH OF EXISTING BEAMS MARKED FOR DEMO FROM COMMON REFERENCE POINT
   - E. CONSIDER GROUND PENETRATING RADAR OR OTHER NON DESTRUCTIVE METHODS TO VERIFY FOOTINGS AND MINIMIZE SLAB DEMO
   - **F.** REPORT ALL FINDINGS TO STRUCTURAL ENGINEER OF RECORD PRIOR TO ANY COMPONENT INSTALLATION.

9. **STAIRWAYS (LEFT & RIGHT):**
   - A. VERIFY DEPTH TO FOOTING BASE FOR ALL FOUNDATION SUPPORT AROUND BOTH STAIRWAYS
   - B. LOCATE FOUNDATION EDGE FROM FACE OF WALL
   - C. ESTABLISH CLEAR DIMENSIONS BETWEEN EXTERIOR WALLS FROM FACE OF BRICK BY SURVEY
   - D. LOCATE WIDTH AND DEPTH OF EXISTING CONCRETE BEAMS FOR DEMO AT GROUND FLOOR FROM COMMON REFERENCE POINT
   - **E.** REPORT ALL FINDINGS TO STRUCTURAL ENGINEER OF RECORD PRIOR TO ANY COMPONENT INSTALLATION.

10. **EXISTING FIRE HALL OPENING:**
    - A. ESTABLISH LOCATION, WIDTH, AND HEIGHT OF EXISTING OPENINGS IN WEST WALL BY SURVEY
    - B. LOCATE AND PROVIDE DIMENSIONS FOR EXISTING COLUMN FROM BOTH ENDS OF OPENINGS
    - C. LOCATE SOUTH END OF OPENING FROM SOUTHWEST CORNER OF FIRE HALL
    - **D.** REPORT ALL FINDINGS TO STRUCTURAL ENGINEER OF RECORD PRIOR TO ANY COMPONENT INSTALLATION.

11. **CONNECTOR BUILDING:**
    - A. AFTER DEMO: VERIFY TOP OF FOOTING ELEVATIONS AND PROJECTIONS FROM FACE OF REMAINING FIRE HALL WALL AND BASEMENT WALL
    - **B.** REPORT ALL FINDINGS TO STRUCTURAL ENGINEER OF RECORD PRIOR TO ANY COMPONENT INSTALLATION.

12. **SECOND FLOOR & ROOF:**
    - A. FIELD LOCATE ROOF RAFTERS, EXISTING FLOOR GIRDERS, AND JOISTS (TO THE EXTENT POSSIBLE) IN ALL AREAS MODIFIED FOR NEW CONSTRUCTION
    - B. CONTRACTOR TO PROVIDE SHORING AS REQUIRED FROM SUPPORTED ELEVATION TO FOUNDATION LEVEL.
    - **C.** REPORT ALL FINDINGS TO STRUCTURAL ENGINEER OF RECORD PRIOR TO ANY COMPONENT INSTALLATION.

13. **SUBMITTALS:**
    - A. **CONTRACTOR SHALL DOCUMENT ALL FIELD MEASUREMENTS, PROVIDE SURVEY AND TESTING RESULTS AND SUBMIT TO DESIGN TEAM FOR REVIEW PRIOR TO FABRICATION OF SHOP DRAWINGS.**

D. SUBMITTALS

1. SUBMITTAL REVIEW DOES NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESS AND TECHNIQUES OF CONSTRUCTION; COORDINATING WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING WORK IN A SAFE AND SATISFACTORY MANNER.

2. ALLEN & HOSHALL MAINTAINS NO RESPONSIBILITY FOR THE DESIGN AND/OR REVIEW OF CONSTRUCTION ENGINEERING INCLUDING, BUT NOT LIMITED TO, ERECTION BRACING, SHORING, ADEQUACY OF STRUCTURES FOR TEMPORARY CONSTRUCTION LOADS, ETC. SUBMITTALS FOR THESE ITEMS WILL NOT BE REVIEWED BY ALLEN & HOSHALL.

3. CONTRACTOR SHALL MAKE PROVISION FOR REVIEW TIME OF ALL SUBMITTALS SUBMITTED TO ALLEN & HOSHALL OF NO LESS THAN 10 WORKING DAYS (14 CALENDAR DAYS) FROM THE DATE OF DELIVERY TO ALLEN & HOSHALL.

4. SUBMITTALS SHALL BE REPRESENTATIVE OF THE CONTRACTOR 'S INTERPRETATION OF THE CONTRACT DOCUMENTS TO ENSURE UNDERSTANDING OF THE PROJECT REQUIREMENTS. ANY SUBMITTALS WITH INFORMATION INDICATING TRANSFERENCE, COPYING, OR ANY OTHER FORM OF DUPLICATION OF DETAILS PRESENTED ON THE CONTRACT DOCUMENTS AS THEIR OWN WILL BE REJECTED.

E. SHALLOW FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED JULY 16, 2025. PROJECT NO. 18255095. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT FROM THOSE ASSUMED FOR DESIGN.

2. ALLOWABLE SOIL BEARING PRESSURES USED IN DESIGN. GEOTECHNICAL ENGINEERING FIRM TO FIELD VERIFY ALL DESIGN ASSUMPTIONS.
   - A. SPREAD FOOTINGS: ON ENGINEERED FILL
   - B. CONTINUOUS FOOTINGS: ON ENGINEERED FILL
   - C. MINIMUM EMBEDMENT DEPTH 24 IN.
   - D. LATERAL SOIL LOAD 50 PSF/FT ACTIVE PRESSURE; 70 PSF/FT AT REST PRESSURE

3. FOUNDATION EXCAVATIONS SHALL NOT BE LEFT OPEN OVERNIGHT.

4. PROTECT FOUNDATION EXCAVATIONS FROM SURFACE DRAINAGE. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS IMMEDIATELY. IF BOTTOMS OF EXCAVATIONS BECOME SOFTENED DUE TO WATER BEFORE FOOTINGS ARE CAST, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL EXCAVATE THE SOFTENED MATERIAL AND REPLACE WITH LEAN CONCRETE.

5. FOOTING EXCAVATIONS SHALL BE OBSERVED AND TESTED BY AN APPROVED TESTING AGENCY PRIOR TO STEEL OR CONCRETE PLACEMENT IN ORDER TO ASSESS THAT THE FOUNDATION MATERIALS ARE CONSISTENT WITH ABOVE STATED SOIL BEARING CAPACITIES.

6. WHERE FOUNDATIONS ARE OVER EXCAVATED FOR ANY REASON, BACKFILL WITH CONCRETE, COMPACTED GRANULAR FILL, OR SELECT BACKFILL SPECIFIED BY THE STRUCTURAL ENGINEER.

7. FOUNDATIONS SHALL BEAR ON FIRM UNDISTURBED NATURAL SOIL OR COMPACTED FILL OR A PIER CAP AND PIERS SYSTEM DESIGNED BY A SPECIALTY FOUNDATION ENGINEER.

8. FILL PLACEMENT SHALL BEGIN AFTER SUBGRADE PREPARATION AND OBSERVATION BY THE APPROVED TESTING AGENCY HAVE BEEN COMPLETED.

9. IN THE EVENT THAT THE SOILS TEST RESULTS ARE DISAPPROVED, FOOTING EXCAVATIONS SHALL BE FURTHER EXCAVATED (UNDER THE DIRECTION OF THE SOILS ENGINEER) UNTIL SOILS OF ADEQUATE BEARING CAPACITY ARE ENCOUNTERED. BACKFILL UNDER FOOTINGS SHALL CONSIST OF LEAN CONCRETE WITH F'C = 2500 PSI @ 28 DAYS PLACED UP TO THE PROPOSED BOTTOM OF FOOTING ELEVATION.

10. CONTRACTOR SHALL VERIFY FOOTING ELEVATIONS AND FOOTING STEP LOCATIONS WITH SITE CONDITIONS AND UTILITIES, UNLESS NOTED OTHERWISE. NOTIFY ENGINEER OF FINAL FOOTING ELEVATIONS AND STEP LOCATIONS.

CONSTRUCTION ADJACENT TO EXISTING BUILDING

11. DIFFERENTIAL SETTLEMENT BETWEEN THE ADDITIONS AND THE EXISTING BUILDING IS EXPECTED TO APPROACH THE MAGNITUDE OF THE TOTAL SETTLEMENT OF THE ADDITION. EXPANSION JOINTS SHOULD BE PROVIDED BETWEEN THE EXISTING BUILDING AND THE PROPOSED ADDITION TO ACCOMMODATE DIFFERENTIAL MOVEMENTS BETWEEN THE TWO STRUCTURES. UNDERGROUND PIPING BETWEEN THE TWO STRUCTURES SHOULD BE DESIGNED WITH FLEXIBLE COUPLINGS AND UTILITY KNOCKOUTS IN FOUNDATION WALLS SHOULD BE OVERSIZED SO MINOR DEFLECTIONS IN ALIGNMENT DO NOT RESULT IN BREAKAGE OR DISTRESS. CARE SHOULD BE TAKEN DURING EXCAVATION ADJACENT TO EXISTING FOUNDATIONS TO AVOID DISTURBING EXISTING FOUNDATION BEARING SOILS.

E. SHALLOW FOUNDATIONS (Cont'd)

12. NEW FOOTINGS SHOULD BEAR AT OR NEAR THE BEARING ELEVATION OF IMMEDIATELY ADJACENT EXISTING FOUNDATIONS. DEPENDING UPON THEIR LOCATIONS AND CURRENT LOADS ON THE EXISTING FOOTINGS, FOOTINGS FOR THE NEW ADDITION COULD CAUSE SETTLEMENT OF ADJACENT WALLS. TO REDUCE THIS CONCERN AND RISK, CLEAR DISTANCES AT LEAST EQUAL TO THE NEW FOOTING WIDTHS SHOULD BE MAINTAINED BETWEEN THE ADDITION'S FOOTINGS AND FOOTINGS SUPPORTING THE EXISTING BUILDING. OR UNDERPIN THE EXISTING FOUNDATION. ALL EXCAVATIONS TO BE COORDINATED WITH A GEOTECHNICAL ENGINEER.

13. ALL PIPES (WATER LINES, SEWER LINES, ETC.) AND CONDUITS RUNNING THROUGH WALLS / SLABS SHALL BE PROTECTED WITH ½" EXPANSION MATERIAL.

14. CONTINUOUS FOOTING PERPENDICULAR TO PIPE RUNS SHALL BE EITHER LOWERED TO ALLOW PIPES TO PASS THROUGH ABOVE SUCH FOOTINGS OR HAVE CONCRETE JACKET IF PIPES ARE LOW ENOUGH TO BE PLACED BELOW SUCH FOOTINGS. FOOTINGS PARALLEL TO PIPE RUNS SHALL BE LOCATED OUTSIDE 30 DEGREE INFLUENCE ZONE OF FOOTING.

15. DENSIFY BUILDING AREAS AND A MINIMUM OF 15'-0" OUTSIDE THE BUILDING PERIMETER TO MINIMUM DENSITY OF 98% PER ASTM D-698.

16. CONTRACTOR SHALL EMPLOY CONSTRUCTION TECHNIQUES CONDUCIVE WITH ANY ENCOUNTERED GROUNDWATER. CONTRACTOR SHALL DEWATER FOUNDATION AND SITE AS REQUIRED.

17. REFER TO CIVIL/ARCHITECTURAL PLANS FOR LIMITS OF EXCAVATION.

F. CONCRETE

1. ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS OF STRUCTURAL CONCRETE" (ACI 318).

2. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO CONCRETE CONSTRUCTION. IDENTIFY THE TYPE OF ELEMENT (I.E. SLAB, WALL, ETC.) INTENDED FOR PLACEMENT FOR EACH MIX DESIGN SUBMITTAL.

3. ALL ADMIXTURES SHALL BE SUBJECT TO THE REVIEW OF THE ARCHITECT/ENGINEER PRIOR TO CONCRETE CONSTRUCTION.

4. ADMIXTURES SHALL CONTAIN NO MORE THAN 0.01% CHLORIDES.

5. APPROVED TESTING LABORATORY SHALL SAMPLE AND TEST ALL CONCRETE. REFER TO SPECIFICATIONS FOR FREQUENCY AND NUMBER OF CYLINDERS REQUIRED.

6. CONCRETE STRENGTH AND EXPOSURE REQUIREMENTS:

A.	FOOTINGS	3000 PSI, NORMAL-WEIGHT, F0, S0, W0, C1
B.	PEDESTALS/FOUNDATION WALLS	3000 PSI, NORMAL-WEIGHT, F0, S0, W0, C1
C.	INTERIOR SLABS-ON-GROUND	3000 PSI, NORMAL-WEIGHT, F0, S0, W0, C0
D.	INTERIOR SUSPENDED SLABS ON DECK	3000 PSI, LIGHT-WEIGHT, F0, S0, W0, C0
E.	INTERIOR PAN STAIR	3000 PSI, LIGHT-WEIGHT, F0, S0, W0, C0
F.	EXTERIOR HOUSEKEEPING PADS	5000 PSI, NORMAL-WEIGHT, F3, S0, W0, C2

7. CONCRETE SHALL USE PORTLAND CEMENT TYPE I/II.

8. EXPOSED CORNERS OR EDGES OF COLUMNS, PIERS, ETC., SHALL BE FORMED WITH A 3/4 " CHAMFER UNLESS NOTED OTHERWISE.

9. REINFORCING BARS, ANCHOR RODS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.

10. "WET SETTING" OF ANCHORS, DOWELS, AND EMBEDDED ITEMS SHALL BE PROHIBITED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

11. CONCRETE SHALL BE VIBRATED BY MECHANICAL MEANS DURING PLACEMENT.

12. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING CONCRETE. DO NOT CUT ANY REINFORCING THAT MAY CONFLICT. CORING IS NOT PERMITTED EXCEPT AS SHOWN.

13. PIPES, SLEEVES OR SLOTS SHALL NOT RUN THROUGH ANY CONCRETE MEMBER UNLESS SIZE AND LOCATION HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OF PLACEMENT FOR CONDITIONS NOT SHOWN ON THE DRAWINGS.

14. PIPES, DUCTS OR CONDUITS (O.D.) WITHIN ELEVATED SLABS OR THROUGH WALLS SHALL NOT EXCEED ONE-THIRD THE SLAB OR WALL THICKNESS UNLESS SPECIFICALLY DETAILED AND SHALL BE PLACED BETWEEN THE TOP AND BOTTOM REINFORCING UNLESS SPECIFICALLY DETAILED OTHERWISE. SPACING BETWEEN PARALLEL PIPES, DUCTS OR CONDUITS SHALL NOT BE LESS THAN 3 PIPE DIAMETERS, OR 6 INCHES CLEAR. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF SLEEVES, ACCESSORIES, ETC.

15. FINISH CONCRETE SURFACES PER ARCHITECT 'S DRAWINGS AND SPECIFICATIONS.

16. CURING COMPOUNDS ON CONCRETE THAT IS TO RECEIVE SPECIAL FINISH SHALL BE APPROVED BY THE MANUFACTURER BEFORE USE. FLOORING MANUFACTURER TO REVIEW AND APPROVE RELATIVE HUMIDITY OF CONCRETE PRIOR TO INSTALLATION.

17. ROUGHEN SURFACE OF HORIZONTAL OR NEARLY HORIZONTAL CONSTRUCTION JOINTS AND AT LOCATIONS INDICATED ON DRAWINGS TO 1/4 " AMPLITUDE SO THAT THE AGGREGATE SHALL BE EXPOSED UNIFORMLY, LEAVING NO LAITANCE, LOOSED PARTICLES OR DAMAGED CONCRETE.

18. CONSTRUCTION JOINTS SHALL BE AS INDICATED ON THE DRAWINGS, UNLESS OTHERWISE APPROVED BY THE ARCHITECT/ENGINEER.

19. REFER TO ARCHITECTURAL DRAWINGS FOR MOLDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE ENCASED IN CONCRETE.

20. THE WEIGHT OF THE WET CONCRETE WILL CAUSE DEFLECTIONS OF THE STEEL FRAMING. CONTRACTOR SHALL ACCOUNT FOR CONCRETE OVERRUNS ON ELEVATED CONCRETE SLABS BASED ON MAXIMUM BAY DEFLECTION OF 3/4 INCH IN BASE BID.

G. SLAB-ON-GROUND

1. ALL SLABS ON GROUND SHALL CONFORM TO THE PROVISIONS OF ACI 302.

2. SUBGRADE SHALL BE COMPACTED TO AT LEAST 98 PERCENT OF STANDARD PROCTOR DRY DENSITY PER ASTM D698. EACH LAYER SHALL BE COMPACTED WITHIN A RANGE OF 3 PERCENTAGE POINTS BELOW AND 2 PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT VALUE. SUBGRADE SHALL BE PROOF ROLLED IN THE PRESENCE OF A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.

3. DESIGN SUBGRADE MODULUS REACTION: 100 PCI.

4. FINISHED SUBGRADE. WITHIN AND FOR AT LEAST 10 FEET BEYOND THE FLOOR SLAB, SHALL BE PROTECTED FROM TRAFFIC, RUTTING, AND OTHER DISTURBANCES AND MAINTAINED IN A RELATIVELY MOIST CONDITION UNTIL FLOOR SLAB IS CONSTRUCTED. FINAL CONDITIONING OF THE FINISHED SUBGRADE SHALL BE PERFORMED IMMEDIATELY PRIOR TO PLACEMENT OF THE SUBBASE.

5. THE SUBBASE SHALL BE A MINIMUM OF 4" OF GRANULAR MATERIAL WITH A THIN LAYER OF FINE GRAINED MATERIAL APPROXIMATELY ½ " THICK, PLACED OVER THE COARSE MATERIAL AND ROLLED OR COMPACTED.

6. A VAPOR RETARDER A MINIMUM OF 10 MIL IN THICKNESS SHALL BE PLACED ON THE SUB BASE. ALL VAPOR RETARDER JOINTS SHALL BE LAPPED A MINIMUM OF 6 " AND HELD IN PLACE BY TAPE.

7. SEE CONCRETE SECTION FOR CONCRETE FOR SLABS ON GROUND. MAXIMUM AGGREGATE SIZE IS LIMITED TO ¼ OF THE SLAB THICKNESS.

8. CONTROL JOINTS SHALL BE PROVIDED AS SHOWN. CONTROL JOINTS THAT ARE SAWN SHALL HAVE A MINIMUM JOINT DEPTH OF ¼ THE SLAB THICKNESS.

9. USE SLAB REINFORCEMENT OF THE SIZE INDICATED ON THE DRAWINGS. ALL REINFORCING SHOULD BE LOCATED IN THE MIDDLE 1/3 OF THE SLAB AND SUPPORTED BY CHAIRS OR BOLSTERS, UNLESS NOTED OTHERWISE.

10. THE SLAB SURFACE SHALL BE FINISHED TO A FLATNESS OF F20 AND A LEVELNESS OF F15 UNLESS OTHERWISE INDICATED ON DRAWINGS.

11. DO NOT USE AIR ENTRAINING ADMIXTURES IN INTERIOR CONCRETE SLABS TO RECEIVE A HARD TROWEL FINISH.

12. EXISTING FILL MATERIALS UP TO 2 FT BELOW EXISTING SLABS ARE TO BE COMPLETELY REMOVED AND COMPACTED ENGINEERED FILL PLACED TO SUBGRADE IN AREAS TO RECIEVE NEW SLABS AT THE BASEMENT LEVEL.

13. ENGINEERED FILL IS TO EITHER GRANULAR MATERIAL WITH LESS THAN 50% MATERIAL PASSING NO. 200 SEIVE OR CLEAN, WELL GRADED PROCESSED SHOT ROCK OR SURGE STONE WITH A MAX SIZE OF 12" FOR SHOT ROCK AND 8" FOR SURGE STONE.

14. GRANULAR FILL IS TO BE PLACED IN 4-6 INCH LOOSE LIFTS AND COMPACTED WITH HAND GUIDED EQUIPMENT (JUMPING JACK OR PLATE COMPACTOR).

15. FLOOR SLABS SHOULD BE INDEPENDENT OF BUILDING FOOTINGS OR WALLS. PROVIDE ISOLATION JOINTS BETWEEN NEW SLABS AND EXISTING CONSTRUCTION.

H. REINFORCING

1. REINFORCING SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE, UNLESS NOTED OTHERWISE.

2. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.

3. ALL DEFORMED BAR ANCHORS (DBA 'S) SHALL CONFORM TO ASTM A706 GRADE 60.

4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

5. MINIMUM LAP OF WELDED WIRE FAB

STRUCTURAL GENERAL NOTES

(APPLIES TO SX.X SERIES SHEETS ONLY.)

L. METAL DECK

1. PROVIDE DESIGN, FABRICATION, AND ERECTION OF METAL DECK CONFORMING TO THE STEEL DECK INSTITUTE'S "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS".
2. FORM ROOF DECK FROM STEEL SHEETS CONFORMING TO ASTM A1008 OR A653 WITH MINIMUM YIELD STRENGTH OF 50 KSI.
3. ROOF DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES.
   A. SECTION PROPERTIES (PER FOOT OF WIDTH). DECKS BY ANY MANUFACTURER MAY BE SUPPLIED PROVIDED SECTION PROPERTIES ARE WITHIN 5% OF THOSE SPECIFIED. SUBMIT MANUFACTURER'S LOAD TABLES AND PRODUCT DATA FOR REVIEW/APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
   TYPE = 1.5B/BA:
   22 GAGE: Ip = 0.155 in^4; Sp = 0.169 in^3; In = 0.178 in^4; Sn = 0.179 in^3
4. NONCOMPOSITE FORM DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES.
   A. SECTION PROPERTIES (PER FOOT OF WIDTH). DECKS BY ANY MANUFACTURER MAY BE SUPPLIED PROVIDED SECTION PROPERTIES ARE WITHIN 5% OF THOSE SPECIFIED. SUBMIT MANUFACTURER'S LOAD TABLES AND PRODUCT DATA FOR REVIEW/APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
   TYPE = 1.0C:
   24 GAGE: Ip = 0.057 in^4; Sp = 0.098 in^3; In = 0.059 in^4; Sn = 0.103 in^3
5. ATTACH SHEETS TO STEEL SUPPORT MEMBERS AS INDICATED AND IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. WHEN DECK IS SCHEDULED TO BE EXPOSED, DE-SLAG, CLEAN AND TOUCH UP WELDS WITH A ZINC-RICH PRIMER.
6. LAP ROOF ENDS MINIMUM OF 2 INCHES WHEN FASTENING DECK TO SUPPORT MEMBERS. PROVIDE WELDING MATERIALS INSTALLATION PROCEDURES TO PREVENT BURNING OF HOLES IN DECK.
7. METAL DECK FABRICATOR TO FURNISH SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE WELDING PROCEDURE, SIDE LAP CONNECTIONS, TESTING PROGRAMS FOR WELDING, COATING MATERIAL AND ERECTION SEQUENCE.
8. PROVIDE 6" CLOSURE STRIP OF SAME GAGE AS DECK WHERE CHANGES IN DECK DIRECTION OCCUR.
9. EXTRANEOUS MATERIAL AND SYSTEMS ARE NOT PERMITTED TO BE INCORPORATED INTO FIRE-RATED DESIGN ASSEMBLIES. THIS INCLUDES CASTING EMBEDDED CONDUITS AND PIPING IN CONCRETE SLABS ON METAL DECK. REFER TO THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ASSEMBLY DESCRIPTIONS.
10. DO NOT SHORE DECK.

M. COLD-FORMED STEEL

1. COLD-FORMED STEEL DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE. WITH AISI SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" OR "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR COLD-FORMED STEEL STRUCTURAL MEMBERS".
2. COLD-FORMED STEEL STRUCTURAL MEMBERS SHALL MEET ASTM C955 REQUIREMENTS AND HAVE A YIELD STRESS Fy= 33 KSI FOR 33 MIL AND 43 MIL FRAMING PRODUCTS AND 50 KSI FOR THICKER MEMBERS. ALL FRAMING MEMBERS SHALL MEET THE PROTECTIVE COATING REQUIREMENTS OF AISI S200 AS WELL AS ASTM C955.
3. DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS SHALL BE ADELEGATED DESIGN BY THE CONTRACTOR. SUBMIT SHOP DRAWINGS SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SHOP DRAWING SHALL BE FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS REGARDING ARRANGEMENT AND SIZES OF MEMBERS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN LOADS AND CONTRACT DOCUMENT DETAILS. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE DESIGN OF THE COLD-FORMED STEEL STRUCTURAL MEMBERS AND THEIR CONNECTIONS.
4. COLD-FORMED STEEL STRUCTURAL MEMBERS MAY BE ATTACHED BY EITHER WELDS OR SCREWS SIZED BY THE MANUFACTURER FOR THE SPECIFIED DESIGN LOADS.
5. WELDING OF COLD-FORMED STEEL SHALL BE IN ACCORDANCE WITH AWS D1.3: STRUCTURAL WELDING CODE – SHEET STEEL AND SHALL BE PERFORMED BY AN ANSI/AWS CERTIFIED WELDER.
6. SCREWED CONNECTIONS SHALL UTILIZE SELF-DRILLING SCREWS AND SHALL BE DESIGNED IN ACCORDANCE WITH AISI "NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS."
7. POWDER-ACTUATED FASTENERS SHALL UTILIZE FASTENER SYSTEM OF TYPE SUITABLE FOR APPLICATION INDICATED, FABRICATED FROM CORROSION-RESISTANT MATERIAL, WITH CAPABILITY TO SUSTAIN DESIGN LOAD AS DETERMINED BY TESTING PER ASTM E1190 AND CONDUCTED BY A QUALIFIED INDEPENDENT TESTING AGENCY.
8. PROVIDE COLD-FORMED STEEL AT INTERIOR PARTITIONS CAPABLE OF WITHSTANDING DESIGN LOADS WITHIN LIMITS AND UNDER CONDITIONS INDICATED.
   A. INTERNAL PRESSURE: 5 PSF OR SEISMIC LATERAL COMPONENT LOAD, WHICHEVER IS GREATER.
   B. HORIZONTAL DEFLECTION OF 1/240 THE WALL HEIGHT.
9. DESIGN FRAMING SYSTEMS TO WITHSTAND DESIGN LOADS WITHOUT DEFLECTIONS GREATER THAN THE FOLLOWING:
   A. EXTERIOR LOAD-BEARING FRAMING: HORIZONTAL DEFLECTION OF 1/240 THE WALL HEIGHT.
   B. CEILING JOIST FRAMING: VERTICAL DEFLECTION OF 1/240 OF THE SPAN.
10. DESIGN FRAMING SYSTEM TO ACCOMMODATE LIVE LOAD DEFLECTION OF PRIMARY BUILDING STRUCTURE AS FOLLOWS:
    A. UPWARD AND DOWNWARD MOVEMENT OF 1 INCH.
11. CONTRACTOR SHALL FURNISH COMPLETE FABRICATION AND ERECTION DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO THE COMMENCEMENT OF FABRICATION. INCLUDE PLACING DRAWINGS FOR FRAMING MEMBERS SHOWING SIZE AND GAGE DESIGNATIONS, NUMBER, TYPE, LOCATION AND SPACING. INDICATE SUPPLEMENTAL STRAPPING, BRACING, SPLICES, BRIDGING, ACCESSORIES AND DETAILS REQUIRED FOR PROPER INSTALLATION.
12. STABILITY OF COMPONENTS PRIOR TO THE INSTALLATION OF THE SHEATHING IS THE RESPONSIBILITY OF THE CONTRACTOR.
13. HOLES FOR BOLTING SHALL BE SHOP PUNCHED OR FIELD DRILLED. THE MAKING OF HOLES OR ENLARGEMENT OF HOLES BY BURNING WILL NOT BE PERMITTED.
14. CONTRACTOR TO VERIFY FRAMING GAGES ARE ADEQUATE FOR CLADDING ATTACHMENT WITH CLADDING SUPPLIER.
15. FRAMING FABRICATOR SHALL ENSURE PUNCH OUT ALIGNMENT WHEN ASSEMBLING LATERAL BRACING AND FIELD CUTTING STUDS TO LENGTH. LATERAL BRACING MUST BE INSTALLED AT THE TIME THE WALL IS ERECTED. FAILURE TO INSTALL BRACING AT THIS TIME MAY COMPROMISE THE STRUCTURAL INTEGRITY OF THE WALL SYSTEM.
16. INSTALL TEMPORARY BRACING AND SUPPORTS TO SECURE FRAMING AND SUPPORT LOADS FOR WHICH STRUCTURE WAS DESIGNED. MAINTAIN BRACES AND SUPPORTS IN PLACE, UNDISTURBED, UNTIL ENTIRE INTEGRATED SUPPORTING STRUCTURE HAS BEEN COMPLETED AND PERMANENT CONNECTIONS TO FRAMING ARE SECURED.
17. DO NOT BRIDGE BUILDING EXPANSION AND CONTROL JOINTS WITH COLD-FORMED METAL FRAMING. INDEPENDENTLY FRAME BOTH SIDES OF JOINT.

N. DELEGATED DESIGN SYSTEMS

1. DELEGATED DESIGN SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS WHICH ARE DESIGNED/ENGINEERED BY OTHERS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. SUBMITTALS OF SUCH SYSTEMS SHALL BE SEALED BY AN ENGINEER LICENSED IN THE PROJECT STATE. REVIEW OF SUBMITTALS BY THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE FOR GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT AND SIZES OF MEMBERS SHOWN ON THE CONTRACT DOCUMENTS AND THE CONTRACTOR'S INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. CONTRACTOR HAS FULL RESPONSIBILITY FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS.
2. SEE SPECIFIC SECTIONS OF STRUCTURAL GENERAL NOTES, STRUCTURAL PLANS/DETAILS, AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE CONTRACTOR.
3. ALL STRUCTURAL CALCULATIONS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL ENGINEER IN THE PROJECT STATE AND THE ENGINEER'S SEAL SHALL BE AFFIXED TO ALL CALCULATIONS SUBMITTED. REGISTERED PROFESSIONAL ENGINEER'S SEAL IS REQUIRED ON ALL SUBMITTED CALCULATIONS AND DELEGATED DESIGN SUBMITTALS.

O. UNDERPINNING SYSTEMS

1. UNDERPINNING SYSTEM DESIGN IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED JULY 16, 2025, TERRACON PROJECT NUMBER 18255095. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT THAT THOSE ASSUMED FOR DESIGN.
2. ALLOWABLE LOAD RANGE FOR THE SYSTEM EMPLOYED SHOULD BE IN THE 10K-50K RANGE PER SUPPORT AND SPACED NO MORE THAN 5 FT APART WHERE REQUIRED. EXISTING CONDITIONS ARE ASSUMED TO INCLUDE A REINFORCED CONCRETE FOOTING BENEATH THE EXISTING WALLS. CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO SELECTION OF UNDERPINNING SYSTEM.
3. UNDERPINNING SYSTEMS SUGGESTED IN GEOTECHNICAL REPORT INCLUDE:
   A. HYDRAULICALLY JACKED STEEL PIERS (PUSH PIERS) EXTENDED TO BEDROCK. FILL PIER WITH GROUT AND INSTALL REINFORCING ROD AS REQUIRED FOR LATERAL STABILITY. SUGGESTED METHOD FOR MAINTAINING THE FOUNDATION AT ORIGINAL LEVELS.
   B. MICROPILES THAT EXTEND INTO ROCK. FILL WITH GROUT AND INSTALL REINFORCING ROD AS REQUIRED FOR LATERAL STABILITY. MICROPILES ARE ASSUMED TO BE USED IN CONJUNCTION WITH A REINFORCED PIER CAP AND SHALL BE CAPABLE OF RESISTING TORSIONAL LOADING CONDITIONS AND BASE MOMENTS. DELEGATED DESIGN ENGINEER IS TO PROVIDE PIER CAP DESIGN.
   C. ALTERNATE UNDERPINNING SYSTEMS MAY BE USED IF MORE EFFICIENT OR ECONOMICAL. THERE ARE EQUIPMENT HEIGHT LIMITATIONS IN THE BASEMENT AREA WHERE MOST OF THE WORK IS TO BE PERFORMED. COORDINATE ALL WORK WITH OTHER TRADES.
4. THE CONTRACTOR SHALL PREPARE A NUMBERED PILE PLAN WITH TABLES AND CHARTS FOR THE RECORDING OF DEPTH AND PENETRATION VALUES OF EACH PILE. ALL OBSERVATIONS AND RECORDING WORK SHALL BE MADE UNDER THE DIRECT SUPERVISION OF AN APPROVED TESTING LABORATORY AND SUBMITTED TO THE ENGINEER OF RECORD.
5. SEE SUBMITTALS SECTION FOR ADDITIONAL INFORMATION.
6. THIS IS A DELEGATED DESIGN. SEE DELEGATED DESIGN SECTION FOR ADDITIONAL INFORMATION.

P. PRE-ENGINEERED WOOD TRUSSES

1. ALL PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED, DETAILED AND FABRICATED IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TRUSS PLATE INSTITUTE'S (TPI0 AND THE NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION. ALL HANDLING, INSTALLATION AND BRACING TO BE IN ACCORDANCE WITH TPI'S BCSI-B3.
2. SEE DESIGN CRITERIA FOR WIND SPEED, SEISMIC CRITERIA AND SNOW LOADS. ROOF TRUSSES: DEAD LOAD (MIN.) TOP CHORD= 10 PSF/BTM CHORD=10 PSF; ROOF LIVE LOAD (MIN.) TOP CHORD= 20 PSF FLOOR TRUSSES: DEAD LOAD (MIN.) TOP CHORD= 20 PSF/BTM CHORD= 10 PSF; FLOOR LIVE LOAD (MIN.) TOP CHORD= 40 PSF.
3. PRE-ENGINEERED WOOD TRUSSES SHALL BE DESIGNED AND DETAILED TO FIT THE DIMENSIONS AND LOADS INDICATED. ALL DESIGN SHALL BE IN ACCORDANCE WITH ALLOWABLE VALUES AND SECTION PROPERTIES ASSIGNED AND APPROVED BY A LICENSED PROFESSIONAL ENGINEER AND ARE TO BE SUBMITTED TO THE ENGINEER OF RECORD FOR APPROVAL.
4. PERMANENT BRIDGING/BRACING PERPENDICULAR TO THE SPAN OF THE TRUSSES SHALL BE PROVIDED AS REQUIRED BY THE TRUSS MANUFACTURER.
5. TRUSS MANUFACTURER SHALL PROVIDE BRACING FOR THE BOTTOM CHORD OF THE ROOF TRUSSES FOR UPLIFT CONDITIONS.
6. SUBMIT ROOF VALLEY MEMBER SIZES, FRAMING DETAILS AND CONNECTIONS.
7. TRUSS MANUFACTURER TO PROVIDE SHOP DRAWINGS OF WOOD TRUSSES SIGNED AND SEALED BY A PROFESSIONAL LICENSED IN THE STATE OF THIS PROJECT, PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE DESIGN AND ENGINEERING DATA, TRUSS PROFILES FOR EACH TRUSS, A TRUSS PLACEMENT LAYOUT PLAN, SPECIES AND STRESS GRADE OF LUMBER TO BE USED, DETAILS OF CONNECTORS AT ALL JOINTS, TYPICAL CONNECTION AND ANCHORAGE DETAILS AND ALL TEMPORARY AND PERMANENT BRACING REQUIRED.
8. GABLE END DESIGN SHALL INCLUDE VERTICAL LOADS IMPOSED INCLUDING X BRACING.
9. PRE-ENGINEERED WOOD TRUSSES ARE A DELEGATED DESIGN ITEM. SEE NOTES REFERENCING DELEGATED DESIGN.

Q. STRUCTURAL WOOD FRAMING

1. ALL WOOD FRAMING AND CONSTRUCTION OF WOOD FRAMING SHALL CONFORM TO THE REFERENCED BUILDING CODE.
2. WOOD DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE FOLLOWING DESIGN STANDARDS:
   A. "TIMBER CONSTRUCTION MANUAL" BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (LATEST EDITION).
   B. "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" WITH SUPPLEMENT BY NATIONAL FOREST PRODUCTS ASSOCIATION (LATEST EDITION).
   C. "SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC" BY AMERICAN WOOD COUNCIL.
3. ALL SAWN LUMBER OR ENGINEERED WOOD PRODUCTS EXPOSED TO THE WEATHER, IN CONTACT WITH MASONRY OR CONCRETE OR WITHIN 8" OF FINISH GRADE SHALL BE PROTECTED WITH A WOOD PRESERVATIVE TREATMENT. KILN DRY LUMBER AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19%. SEE SPECIFICATIONS.
4. PROVIDE SIMPSON STRONG TIE OR EQUAL STANDARD CONNECTORS FOR ALL WOOD TO WOOD CONNECTIONS.
5. NAILED CONNECTIONS SHALL CONFORM TO THE FASTENING SCHEDULE IN CHAPTER 23 OF THE REFERENCED BUILDING CODE, UNLESS NOTED OTHERWISE.
6. SAWN LUMBER - MATERIALS:
   A. STRUCTURAL FRAMING SHALL BE SOUTHERN YELLOW PINE, NO. 2 OR BETTER AND SHALL INCLUDE: JOISTS, RAFTERS, NAILERS, DECKING, DIAPHRAGM/SHEAR WALL BLOCKING, AND BOUNDARY ELEMENTS.
   B. ALL STRUCTURAL FRAMING SHALL HAVE A MAXIMUM 19 % MOISTURE CONTENT.
   C. TRUSS MEMBERS SHALL CONFORM TO THE SPECIES AND NOMINAL SIZES SHOWN ON THE TRUSS ENGINEER'S DESIGN DOCUMENTS.
   D. ALL MEMBERS SHALL BE CUT FROM LUMBER WHICH BEARS THE PROPER GRADE-MARK STAMP OF A RECOGNIZED GRADING ASSOCIATION OR LICENSED LUMBER INSPECTION AGENCY. NO LUMBER SHALL BE USED WHICH DOES NOT APPEAR TO CONFORM TO THE PROPER DIMENSIONS AND/OR GRADE.
7. WOOD SHEATHING:
   A. WOOD SHEATHING MAY BE STRUCTURALLY RATED PLYWOOD OR OSB, COMFORMING TO APA DOC-PS1 OR PS2.
   B. ROOF DIAPHRAGMS: ALL WOOD SHEATHING ROOF PANELS SHALL BE APA RATED, 3/4" THICK EXTERIOR GRADE.
   C. FLOOR DIAPHRAGMS: ALL WOOD SHEATHING FLOOR PANELS SHALL BE APA RATED, 3/4" THICK EXTERIOR GRADE, OR APPROVED EQUAL.
   D. INSTALL ALL WOOD SHEATHING CONTINUOUS OVER TWO OR MORE SPANS WITH THE LONG DIMENSION OF STRENGTH AXIS ACROSS SUPPORTS. STAGGER ALL JOINTS AT SUPPORTS AND PROVIDE CONTINUOUS BLOCKING AT SIDE JOINTS.
8. DIAPHRAGM/SHEARWALL FASTENERS:
   A. FASTENERS SHALL BE SPACED A MAXIMUM OF 6 INCHES ALONG PANEL EDGES AND 12 INCHES ALONG INTERMEDIATE SUPPORTS (STUDS, BLOCKING, ETC) BETWEEN PANEL EDGES.
   B. FASTENERS SHALL BE LOCATED AT LEAST 3/8 INCH FROM PANEL EDGES.
   C. FASTENERS SHALL BE OF THE SAME SIZE AND TYPE WITHIN EACH SHEARWALL, FLOOR AND ROOF DIAPHRAGM.
   D. 2-INCH NOMINAL FRAMING SHALL BE USED, EXCEPT THAT 3 INCH NOMINAL OR GREATER FRAMING MEMBERS SHALL BE USED:
      a. WHERE FASTENERS ARE SPACED AT 2 1/2 INCHES OR LESS
      b. WHERE 10d NAILS WITH A PENETRATION EXCEEDING 1 1/2 INCHES AND A SPACING OF 3 INCHES OR LESS ARE USED
   E. FASTENERS AT PANEL EDGES SHALL BE STAGGERED:
      a. WHERE NAILS ARE SPACED AT 2 1/2 INCHES OR LESS
      b. WHERE 10d NAILS WITH A PENETRATION EXCEEDING 1 1/2 INCHES AND A SPACING OF 3 INCHES OR LESS ARE USED.

WORK DESCRIPTION	TYPE OF WORK	KEY PERSONNEL REQUIRED	KEY PERSONNEL REQUIRED	YEARS OF CONTINOUS EXPERIENCE REQUIRED	ADDITIONAL REQUIREMENTS
MICROPILES	----------	PROJECT MANAGER SUPERINTENDENT	---------- ----------	5 5	SUCCESSFUL COMPLETION OF AT LEAST 250 MICROPILES WITHIN THE LAST 3 YEARS
CONTINUOUS FLIGHT AUGER (CFA) PILES	----------	PROJECT MANAGER SUPERINTENDENT	---------- ----------	5 5	SUCCESSFUL COMPLETION OF AT LEAST 250 CFA PILES WITHIN THE LAST 3 YEARS PLUS EXPERIENCE WITH AUTOMATED MONITORING & RECORDING EQUIPMENT
STRUCTURAL MOVEMENT MONITORING	----------	PROJECT SURVEYOR	P.L.S.	3	EXPERIENCE WITH MONITORING GROUND OR STRUCTURE MOVEMENT. DISPLACEMENT. DEFORMATION. SETTLEMENT. SUBSIDENCE. ETC.
SUBSURFACE GROUTING	SLAB JACKING, VOID FILLING, LEAK SEALING, DEEP COMPACTION GROUTING, DEEP INJECTION, PERMEATION GROUTING, ETC.	PROJECT MANAGER SUPERINTENDENT	----------	5 5	EXPERIENCE WITH PUMPING CEMENTITOUS GROUT OR INJECTING POLYURETHANE FOAM/ GEL GROUTING WORK. FOR CHEMICAL GROUTING. EQUIPMENT CAPABLE OF PROPORTIONING AND MIXING COMPONENTS IN ACCORDANCE WITH THE POLTURETHANE MANUFACTURER'S REQUIREMENTS

1. GEOTECHNICAL CONTRACTORS SHALL SUBMIT AT LEAST ONE KEY PERSON PER ROLE FOR EACH WORK DESCRIPTION AND DOCUMENTATION VERIFYING THE FOLLOWING REQUIREMENTS:
   A. CONTRACTOR HAS SUCCESSFULLY COMPLETED AT LEAST 5 PROJECTS WITHIN THE LAST 3 YEARS FOR EACH WORK DESCRIPTION.
   B. EXPERIENCE/EQUIPMENT MEET THE ADDITIONAL REQUIREMENTS IF APPLICABLE.
   C. KEY PERSONNEL MEET THE REGISTRATION/CERTIFICATION REQUIED IF ABBLICABLE.
   D. KEY PERSONNEL MEET THE YEARS OF CONTINUOUS EXPERIENCE REQUIRED.
2. DOCUMENTATION SHOULD INCLUDE PROJECT LISTS AND DECRIPTIONS INCLUDING NAMES AND CURRENT CONTACT INFORMATION OF GENERAL CONTRACTORS AND OWNERS, RESUMES, REFERENCES, CERTIFICATES, EXPERIENCE DESCRIPTION AND DETAILS, ETC.

AISC TABLE 10.1
AESS CATEGORY MATRIX

	CATEGORY	AESS C	AESS 4	AESS 3	AESS 2	AESS 1	SSS
ID	CHARACTERISTICS	CUSTOM ELEMENTS	SHOWCASE ELEMENTS	FEATURE ELEMENTS IN CLOSE VIEW	FEATURE ELEMENTS NOT IN CLOSE VIEW	BASIC ELEMENTS	STANDARD STRUCTURAL STEEL
1.1	SURFACE PREPARATION TO SSPC-SP 6		*	*	*	*	
1.2	SHARP EDGES GROUND SMOOTH		*	*	*	*	
1.3	CONTINUOUS WELD APPEARANCE		*	*	*	*	
1.4	STANDARD STRUCTURAL BOLTS		*	*	*	*	
1.5	WELD SPATTERS REMOVED		*	*	*	*	
2.1	VISUAL SAMPLES		*	*			
2.2	ONE-HALF STANDARD FABRICATION TOLERANCES		*	*	*		
2.3	FABRICATION MARKS NOT APPARENT		*	*	*		
2.4	WELDS UNIFORM AND SMOOTH		*	*	*		
3.1	MILL MARKS REMOVED		*	*			
3.2	BUTT AND PLUG WELDS GROUND SMOOTH AND FILLED		*	*			
3.3	HSS WELD SEAM ORIENTED FOR REDUCED VISIBILITY		*	*			
3.4	CROSS SECTIONAL ABUTTING SURFACE ALIGNED		*	*			
3.5	JOINT GAP TOLERANCES MINIMIZED		*	*			
3.6	ALL WELDED CONNECTIONS		OPTIONAL	OPTIONAL			
4.1	HSS SEAM NOT APPARENT		*				
4.2	WELDS CONTOURED AND BLENDED		*				
4.3	SURFACES FILED AND SANDED		*				
4.4	WELD SHOW-THROUGH MINIMIZED		*				
C.1							
C.2							
C.3							
C.4							
C.5							

USER NOTE:

1.1 PRIOR TO BLAST CLEANING, GREASE AND OIL ARE REMOVED BY SOLVENT CLEANING TO MEET SSPC-SP1
1.2 ROUGH SURFACES ARE DEBURRED AND GROUND SMOOTH. SHARP EDGES RESULTING FROM FLAME CUTTING, GRINDING, AND ESPECIALLY SHEARING ARE SOFTENED.
1.3 INTERMITTENT WELDS ARE MADE CONTINUOUS, EITHER WITH ADDITIONAL WELDING, CAULKING, OR BODY FILLER. FOR CORROSIVE ENVIROMENTS ALL JOINT ARE SEAL WELDED. SEAMS OF HOLLOW STRUCTURAL SECTIONS ARE ACCEPTABLE AS PRODUCED.
1.4 ALL BOLT HEADS IN CONNECTIONS ARE ON THE SAME SIDE, AS SPECIFIED, AND CONSISTENT FROM ONE CONNECTION TO ANOTHER.
1.5 WELD SPATTER, SILVERS, SURFACE DISCONTINUITIES ARE REMOVED. WELD PROJECTION UP TO 1/16 in. (2 mm) IS ACCEPTABLE FOR BUTT AND PLUG WELD JOINTS.
2.1 VISUAL SAMPLES ARE EITHER A 3-D RENDERING, A PHYSICAL SAMPLE, A FIRST-OFF INSPECTION, A SCALED MOCK-UP, OR A FULL-SCALE MOCK-UP, AS SPECIFIED IN THE CONTRACT DOCUMENTS.
2.2 THESE TOLERANCES ARE ONE-HALF OF THOSE FOR STANDARD STRUCTURAL STEEL AS SPECIFIED IN THIS CODE.
2.3 MEMBERS MARKINGS DURING THE FABRICATION AND ERECTION PROCESSES ARE NOT VISIBLE.
3.1 ALL MILL MARKS ARE NOT VISIBLE IN THE FINISHED PRODUCT.
3.2 CAULKING OR BODY FILLER IS ACCEPTABLE.
3.3 SEAMS ARE ORIENTED AWAY FROM VIEW OR AS INDICATED IN THE CONTRACT DOCUMENTS.
3.4 THE MATCHING OF ABUTTING CROSS SECTIONS IS REQUIRED.
3.5 THIS CHARACTERISTIC IS SIMILAR TO 2.2 ABOVE. A CLEAR DISTANCE BETWEEN ABUTTING MEMBERS OF 1/8 in. (3 mm) IS REQUIRED.
3.6 HIDDEN BOLTS MAY BE CONSIDERED.
4.1 HSS SEAMS ARE TREATED SO THEY ARE NOT APPARENT.
4.2 IN ADITTION TO A CONTOURED AND BLENDED APPEARANCE, WLDED TRANSITIONS BETWEEN MEMBERS ALSO ARE CONTOURED AND BLENDED.
4.3 THE STEEL SURFACE IMPERFECTIONS ARE FILED AND SANDED.
4.4 WELD SHOW-THROUGH ON THE BACK SIDE OF A WELDED ELEMENT CAN BE MINIMIZED BY HAND GRINDING THE BACK SIDE SURFACE. THE DEGREE OF WELD-THROUGH IS A FUNCTION OF WELD SIZE AND MATERIAL.
C. ADITIONAL CHARACTERISTICS MAY BE ADDED FOR CUSTOM ELEMENTS.

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No.	Revision Description	Date

STRUCTURAL GENERAL NOTES (CONT'D)

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S0.1

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ABBREVIATIONS

PE/SE	STRUCTURAL ENGINEER - A LICENSED SE OR PE SPECIALIZING IN THE DESIGN OF BUILDING STRUCTURES
PE/GE	GEOTECHNICAL ENGINEER - A LICENSED PE SPECIALIZING IN SOIL MECHANICS AND FOUNDATIONS
EIT	ENGINEER-IN-TRAINING - A GRADUATE ENGINEER WHO HAS PASSED THE FUNDAMENTALS OF ENGINEERING EXAMINATION
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	CONCRETE FIELD TESTING TECHNICIAN - GRADE 1
ACI-CCI	CONCRETE CONSTRUCTION INSPECTOR
ACI-LTT	LABORATORY TESTING TECHNICIAN - GRADE 1 & 2
ACI-STT	STRENGTH TESTING TECHNICIAN
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	CERTIFIED WELDING INSPECTOR
AWS/AISC-SSI	CERTIFIED STRUCTURAL STEEL INSPECTOR
AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) CERTIFICATION	
ASNT	NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	STRUCTURAL MASONRY SPECIAL INSPECTOR
ICC-SWSI	STRUCTURAL STEEL AND WELDING SPECIAL INSPECTOR
ICC-SFSI	SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR
ICC-PCSI	PRESTRESSED CONCRETE SPECIAL INSPECTOR
ICC-RCSI	REINFORCED CONCRETE SPECIAL INSPECTOR
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	CONCRETE TECHNICIAN - LEVELS I, II, III & IV
NICET-ST	SOIL TECHNICIAN - LEVELS I, II, III & IV
NICET-GET	GEOTECHNICAL ENGINEERING TECHNICIAN - LEVELS I, II, III, & IV
EXTERIOR DESIGN INSTITUTE (EDI) CERTIFICATION	
EDI-EIFS	EIFS THIRD PARTY INSPECTOR

STATEMENT OF SPECIAL INSPECTIONS

1704.2.2 ACCESS FOR SPECIAL INSPECTION
THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION OR TESTING PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS OR TESTS.

1704.2.4 REPORT REQUIREMENT
APPROVED AGENCIES SHALL KEEP RECORDS OF SPECIAL INSPECTIONS AND TESTS. THE APPROVED AGENCY SHALL SUBMIT REPORTS OF SPECIAL INSPECTIONS AND TESTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND TESTS, AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS OR TESTS, SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON PRIOR TO THE START OF WORK BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL.

1704.4 CONTRACTOR RESPONSIBILITY
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC FORCE-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER OR THE OWNER'S AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.

1705.2.2 COLD-FORMED STEEL DECK

SPECIAL INSPECTIONS AND QUALIFICATION OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC.

1705.2.1 STRUCTURAL STEEL

SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.

EXCEPTION: SPECIAL INSPECTION OF RAILING SYSTEMS COMPOSED OF STRUCTURAL STEEL ELEMENTS SHALL BE LIMITED TO WELDING INSPECTION OF WELDS AT THE BASE OF CANTILEVERED RAIL POSTS.

REQUIRED SPECIAL INSPECTIONS AND TESTS (CHECKED AS APPLICABLE TO THIS PROJECT):

[ ] SPECIAL CONSTRUCTION CASES AS NOTED BELOW:
_____
_____
_____

[X] STRUCTURAL STEEL
[ ] OPEN-WEB STEEL JOISTS AND JOIST GIRDERS
[X] MASONRY CONSTRUCTION
[X] SOILS
[X] CAST-IN-PLACE DEEP FOUNDATIONS
[ ] SEISMIC ISOLATION SYSTEMS
[X] FABRICATED ITEMS
[ ] COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES
[X] PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS
[ ] WIND RESISTANCE:
  [ ] STRUCTURAL WOOD
  [ ] COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION
  [ ] WIND-RESISTING COMPONENTS
[X] SEISMIC RESISTANCE:
  [X] STRUCTURAL STEEL:
    [X] SEISMIC FORCE-RESISTING SYSTEMS
    [ ] STRUCTURAL STEEL ELEMENTS
  [ ] STRUCTURAL WOOD
  [ ] COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION
  [ ] DESIGNATED SEISMIC SYSTEMS
  [ ] ARCHITECTURAL COMPONENTS:
    [ ] ACCESS FLOORS

[X] COLD-FORMED STEEL DECK
[X] CONCRETE CONSTRUCTION
[ ] WOOD CONSTRUCTION
[ ] DRIVEN DEEP FOUNDATIONS
[ ] HELICAL PILE FOUNDATIONS
[ ] STORAGE RACKS

SUBMITTALS TO THE BUILDING OFFICIAL (CHECKED AS APPLICABLE TO THIS PROJECT):

IN ADDITION TO THE SUBMITTAL OF REPORTS OF SPECIAL INSPECTIONS AND TESTS, REPORTS AND CERTIFICATES SHALL BE SUBMITTED BY THE OWNER OR THE OWNER'S AUTHORIZED AGENT TO THE BUILDING OFFICIAL FOR EACH OF THE FOLLOWING CHECKED:

[X] CERTIFICATES OF COMPLIANCE FOR THE FABRICATION OF STRUCTURAL, LOAD BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES ON THE PREMISES OF A REGISTERED AND APPROVED FABRICATOR.

[X] CERTIFICATES OF COMPLIANCE FOR THE SEISMIC QUALIFICATION OF NONSTRUCTURAL COMPONENTS, SUPPORTS AND ATTACHMENTS.

[X] CERTIFICATES OF COMPLIANCE FOR DESIGNATED SEISMIC SYSTEMS.

[ ] REPORTS OF PRECONSTRUCTION TESTS FOR SHOTCRETE.

[X] CERTIFICATES OF COMPLIANCE FOR OPEN WEB STEEL JOISTS AND JOIST GIRDERS.

[ ] REPORTS OF MATERIAL PROPERTIES VERIFYING COMPLIANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR WELDABILITY AS SPECIFIED IN SECTION 26.6.4 OF ACI 318 FOR REINFORCING BARS IN CONCRETE COMPLYING WITH A STANDARD OTHER THAN ASTM A706 THAT ARE TO BE WELDED.

[X] REPORTS OF MILL TESTS IN ACCORDANCE WITH SECTION 20.2.2.5 OF ACI 318 FOR REINFORCING BARS COMPLYING WITH ASTM A615 AND USED TO RESIST EARTHQUAKE-INDUCED FLEXURAL OR AXIAL FORCES IN THE SPECIAL MOMENT FRAMES, SPECIAL STRUCTURAL WALLS OR COUPLING BEAMS CONNECTING SPECIAL STRUCTURAL WALLS OF SEISMIC FORCE-RESISTING SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E OR F.

SCHEDULE OF STRUCTURAL OBSERVATIONS ANTICIPATED TO BE PERFORMED BY SEOR:

- FOUNDATIONS: (1) OBSERVATION
- ROOF FRAMING: (1) OBSERVATION
- SEISMIC/WIND LATERAL FORCE-RESISTING SYSTEM: (1) OBSERVATION

STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INDICATED REQUIRED SPECIAL INSPECTIONS.

MINIMUM QUALIFICATIONS FOR STRUCTURAL SPECIAL INSPECTORS[a,b]

SPECIAL INSPECTION CATEGORY	REQUIRED EXPERIENCE	REQUIRED CERTIFICATION(S)	NOTES
CONCRETE CONSTRUCTION (PRESTRESSED/PRECAST)	NOTE c	ICC PRESTRESSED SI AND ICC REINFORCED CONCRETE SI	---
REINFORCED CONCRETE	NOTE c	ICC REINFORCED CONCRETE SI OR ACI CONCRETE CONSTRUCTION SI	---
NDT	120 HOURS FOR LEVEL II	ANSI/ASNT-CP-189 NDT OR SNT-TC-1a NDT	---
PIER AND PILE FOUNDATIONS	NOTE c	NICET II (GEOTECHNICAL OR CONSTRUCTION, OR CONSTRUCTION MATERIAL TESTING OR SOILS)	NOTE d
POST-INSTALLED STRUCTURAL ANCHORS IN CONCRETE	NOTE c	ICC REINFORCED CONCRETE SI OR ACI CONCRETE CONSTRUCTION SI	---
SOILS	NOTE c	ICC SOILS SI OR NICET II (GEOTECHNICAL OR CONSTRUCTION, OR CONSTRUCTION MATERIAL TESTING OR SOILS)	NOTE d
STEEL (HIGH-STRENGTH BOLTING)	NOTE c	ICC STRUCTURAL STEEL AND BOLTING SI	---
STEEL (WELDING)	5 YEARS MINIMUM OR IN ACCORDANCE WITH LAWS	AWS CWI OR ICC STRUCTURAL WELDING SI	---
MASONRY CONSTRUCTION	NOTE c	ICC STRUCTURAL MASONRY SI	---
WOOD CONSTRUCTION	NOTE c	ICC COMMERCIAL BUILDING INSPECTOR OR ICC RESIDENTIAL BUILDING INSPECTOR	NOTE d
STRUCTURAL COLD-FORMED STEEL	NOTE c	ICC COMMERCIAL BUILDING INSPECTOR OR ICC RESIDENTIAL BUILDING INSPECTOR	NOTE d
EXCAVATION-SHEETING, CHORING AND BRACING	NOTE c	NICET II (GEOTECHNICAL OR CONSTRUCTION, OR CONSTRUCTION MATERIAL TESTING OR SOILS)	NOTE d
STRUCTURAL SAFETY-STABILITY AND MECHANICAL DEMOLITION	NOTE c	RDP, PE, BS ENGINEERING / ARCHITECTURE OR VALID SITE SAFETY MANAGER CERTIFICATION	---
SEISMIC ISOLATION SYSTEMS	NOTE c	RDP, PE, BS ENGINEERING / ARCHITECTURE	---
SPECIAL CASES	NOTE c	ICC COMMERCIAL BUILDING INSPECTOR OR ICC RESIDENTIAL BUILDING INSPECTOR	NOTE d

IT IS RECOGNIZED THAT THE DEVELOPMENT OF QUALIFIED INSPECTORS REQUIRES THOSE INDIVIDUALS TO OBTAIN EXPERIENCE PERFORMING INSPECTIONS OF ACTUAL WORK. THE REQUIREMENTS HEREIN INCLUDE SUCH EXPERIENCE, AS DO SOME OF THE REQUIRED CERTIFICATIONS. TO PROVIDE A VEHICLE FOR INDIVIDUALS TO OBTAIN THIS EXPERIENCE, THEY SHALL PERFORM INSPECTIONS IN ACCORDANCE WITH WRITTEN ASSOCIATE OR APPRENTICE PROGRAMS THAT ARE PREPARED BY THE SIA, APPROVED BY THE SIA AND MEET THE REQUIREMENTS OF THE LOCAL GOVERNING AUTHORITY. THESE PROGRAMS MUST INCLUDE, AT MINIMUM, PASSING CERTIFICATION EXAMS, WHEN AVAILABLE, ADMINISTERED BY THIRD-PARTY AGENCIES, SUCH AS ICC AND ACI: IN-HOUSE SIA AND THIRD-PARTY TRAINING: OBSERVATION BY THE ASSOCIATE OR APPRENTICE OF INSPECTIONS PERFORMED BY CERTIFIED INSPECTORS: AND PERFORMANCE BY THE ASSOCIATE OR APPRENTICE INSPECTORS OF DUPLICATE INSPECTIONS WITH CERTIFIED INSPECTORS. THIS WRITTEN PROGRAM WILL ALSO DEFINE THE USE OF ASSOCIATE OR APPRENTICE INSPECTORS AND WILL LIMIT THEIR USE BASED UPON THE LEVEL OF SUPERVISION AND THE COMPLEXITY OF THE INSPECTION ASSIGNMENT. THE COMPLEXITY OF AN ASSIGNMENT SHALL BE MINIMAL AND/OR TASK SPECIFIC. SUPERVISION SHALL BE DIRECT, WITH A CERTIFIED INSPECTOR BEING PRESENT THE SITE WITH THE ASSOCIATE OR APPRENTICE. THE ASSOCIATE OR APPRENTICE TO CERTIFIED INSPECTOR RATIO ON A PROJECT SITE SHALL NOT EXCEED 1:1. ALL DOCUMENTS RELATED TO WORK BY AN ASSOCIATE OR APPRENTICE INSPECTOR MUST BE COSIGNED BY A INSPECTOR. THE WRITTEN PROGRAM MUST INCLUDE DOCUMENTATION OF COMPLIANCE WITH THE PROGRAM. WHEN QUALIFICATIONS OF SPECIAL INSPECTORS ARE LOCALLY DEFINED, BY STATUTE, ORDINANCE OR RULE THAT MEET OR EXCEED THE REQUIREMENTS OUTLINED IN THIS CRITERIA, THESE LOCAL REQUIREMENTS SHALL BE RECOGNIZED.
APPLICANTS SHALL COMPLY WITH ONE OF THE FOLLOWING EDUCATION AND EXPERIENCE REQUIREMENTS:
1. PE, LICENSED ARCHITECTS OR BDP, AND A MINIMUM OF THREE MONTHS OF RELEVANT WORK EXPERIENCE; OR
2. BS IN ENGINEERING, ARCHITECTURE OR PHYSICAL SCIENCE, AND A MINIMUM OF SIX MONTHS OF RELEVANT WORK EXPERIENCE; OR
3. TWO YEARS OF VERIFIED COLLEGE OR TECHNICAL SCHOOL (A COPY OF DIPLOMA OR TRANSCRIPT REQUIRED), AND A MINIMUM OF ONE YEAR OF RELEVANT WORK EXPERIENCE; OR
4. HIGH SCHOOL OR EQUIVALENT GRADUATE (A COPY OF DIPLOMA OR CERTIFICATE REQUIRED), AND A MINIMUM OF TWO YEARS OF VERIFIED RELEVANT WORK EXPERIENCE; OR
5. A MINIMUM THREE YEARS OF VERIFIED RELEVANT WORK EXPERIENCE.
PE, LICENSED ARCHITECTS OR DRP ARE EXEMPT FROM THE REQUIRED CERTIFICATIONS LISTED ON THIS TABLE, BUT ARE SUBJECT TO ON-SITE ASSESSMENT OF COMPETENCE BY IAS.TX

TABLE 1705.3 REQUIRED SPECIAL INSPECTION AND TESTS OF CONCRETE CONSTRUCTION

TYPE	APPLICABLE TO THIS PROJECT?	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	Y	-	X	ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3	1908.4
2. REINFORCING BAR WELDING: a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND c. INSPECT ALL OTHER WELDS.	N N N	- X	X X	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE.	Y	-	X	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS [b] a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	Y Y	X	 X	ACI 318: 17.8.2.4 ACI 318: 17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	Y	-	X	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABTICATE SPECIMENS FOR STRENGTH TEST, PERFOM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	Y	X	-	ASTM C172, ASTM C31 ACI 318: 26.5, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	Y	X	-	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	Y	-	X	ACI 318: 26.5.3-26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: a. APPLICATION OF PRESTRESSING FORCES; AND b. GROUTING OF BONDED PRESTRESSING TENDONS.	N N	X X	- -	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST MEMBERS.	N	-	X	ACI 318: CH. 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	N	-	X	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMESIONS OF THE CONCRETE MEMBER BEING FORMED.	Y	-	X	ACI 318: 26.11.1.2 (b)	-

FOR SI: 1" =25.4mm.

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPORVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

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Signed with Seal
E. Keith Searcy
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1-7-26

WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

STRUCTURAL SPECIAL INSPECTIONS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S0.2

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STRUCTURAL SPECIAL INSPECTIONS

(APPLIES TO SX.X SERIES SHEETS ONLY.)

TABLE 1705.2.3 REQUIRED SPECIAL INSPECTION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS

TYPE	APPLICABLE TO THIS PROJECT?	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD[a]
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS.				
a. END CONNECTIONS - WELDING OR BOLTED.	Y	-	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.
b. BRIDGING - HORIZONTAL OR DIAGONAL.	Y	-	-	-
1. STANDARD BRIDGING.	Y	-	X	SJI SPECIFICATIONS LISTED IN SECTION 2207.1.
2. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2207.1.	Y	-	X	-

FOR SI: 1" =25.4 mm.

a. WHERE APPLICABLE, SEE ALSO SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.

TABLE 1705.6 REQUIRED SPECIAL INSPECTION AND TESTS OF SOILS

TYPE	APPLICABLE TO THIS PROJECT?	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	Y	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	Y	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	Y	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	Y	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	Y	-	X

AISC 360-10 - TABLE N5.6-1 INSPECTION TASKS PRIOR TO BOLTING

INSPECTION TASK PRIOR TO BOLTING	APPLICABLE TO THIS PROJECT	QC	QA
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	Y	O	P
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	Y	O	O
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)	Y	O	O
PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL	Y	O	O
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	Y	O	O
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	Y	P	O
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS	Y	O	O

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

AISC TABLE N5.6-2 INSPECTION TASKS DURING BOLTING

INSPECTION TASK DURING BOLTING	APPLICABLE TO THIS PROJECT	QC	QA
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	Y	O	O
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	Y	O	O
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	Y	O	O
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	Y	O	O

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

AISC TABLE N5.6-3 INSPECTION TASKS AFTER BOLTING

INSPECTION TASK AFTER BOLTING	APPLICABLE TO THIS PROJECT	QC	QA
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	Y	P	P

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

AISC 360-10 - TABLE N5.4-1 INSPECTION TASKS PRIOR TO WELDING

INSPECTION TASK PRIOR TO WELDING	APPLICABLE TO THIS PROJECT	QC	QA
WELDING PROCEDURE SPECIFICATIONS (WPSS) AVAILABLE	Y	P	P
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Y	P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)	Y	O	O
WELDER IDENTIFICATION SYSTEM[1]	Y	O	O
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY) • JOINT PREPARATION • DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION) • BACKING TYPE AND FIT (IF APPLICABLE)	Y	O	O
CONFIGURATION AND FINISH OF ACCESS HOLES	Y	O	O
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	Y	O	O
CHECK WELDING EQUIPMENT	Y	O	-
1 THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.			

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

AISC TABLE N5.4-2 INSPECTION TASKS DURING WELDING

INSPECTION TASK DURING WELDING	APPLICABLE TO THIS PROJECT	QC	QA
USE OF QUALIFIED WELDERS	Y	O	O
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	Y	O	O
NO WELDING OVER CRACKED TACK WELDS	Y	O	O
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	Y	O	O
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	Y	O	O
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	Y	O	O

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

AISC TABLE N5.4-3 INSPECTION TASKS AFTER WELDING

INSPECTION TASK AFTER WELDING	APPLICABLE TO THIS PROJECT	QC	QA
WELDS CLEANED	Y	O	O
SIZE, LENGTH, AND LOCATION OF WELDS	Y	P	P
WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD/BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	Y	P	P
ARC STRIKES	Y	P	P
k-AREA[1]	Y	P	P
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	Y	P	P
REPAIR ACTIVITIES	Y	P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELD JOINT OR MEMBER	Y	P	P
1 WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES, OR STIFFENERS HAS BEEN PERFORMED IN THE k-AREA, VISUALLY INSPECT THE WEB k-AREA FOR CRACKS WITHIN 3" (75mm) OF THE WELD.			

O - OBSERVE THESE ITEMS ON A RANDOM BASIS.
P - PERFORM THESE TASKS FOR EACH STEEL ELEMENT.
QC - PROVIDED BY FABRICATOR AND ERECTOR.
QA - PROVIDED BY OWNER'S AGENT.

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

STRUCTURAL SPECIAL INSPECTIONS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S0.3

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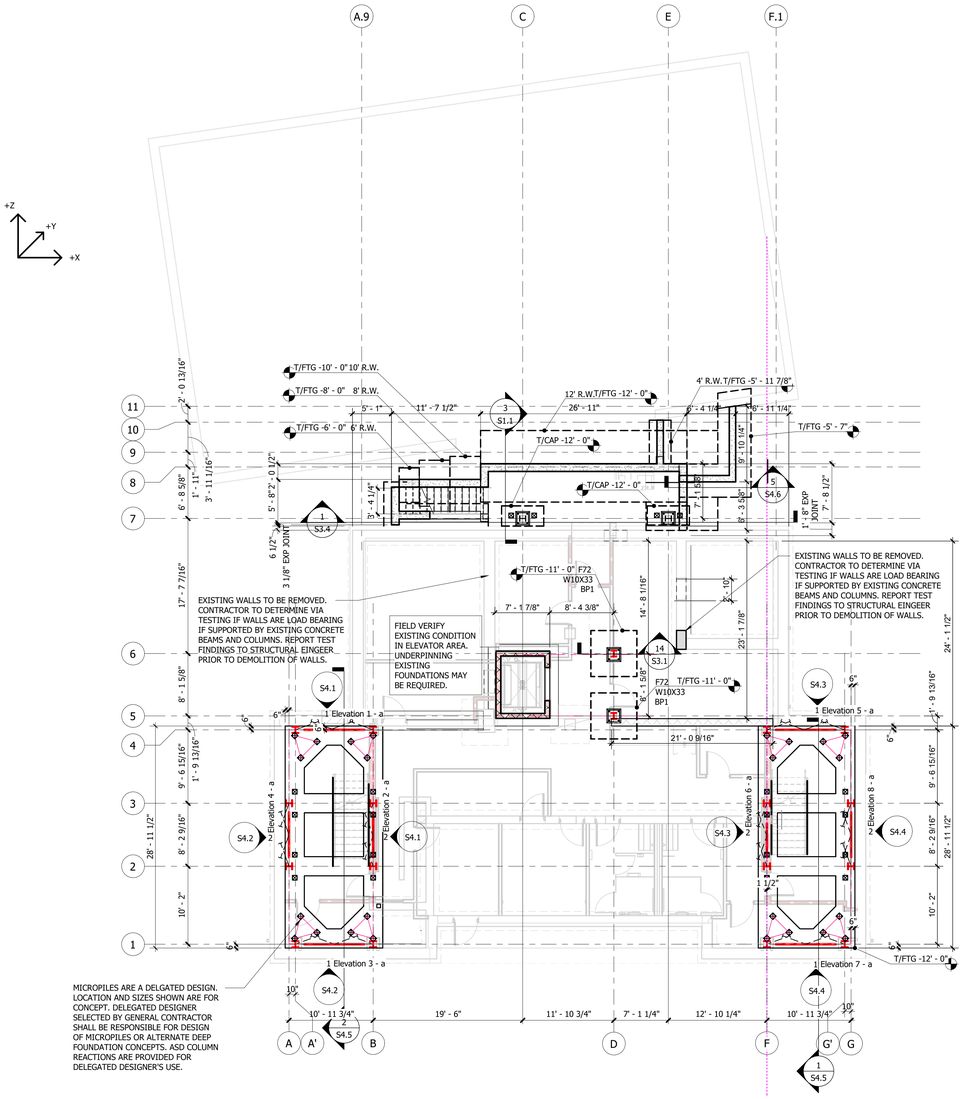
ASD Reactions for Stairwell Col				
COL. LOC.	LOAD	R_x(kips)	R_y(kips)	R_z(kips)
A-1	DL	0.59	0.00	4.63
A-1	RLL	0.05	0.00	0.65
A-1	WL	-3.39	-0.07	-16.38
A-1	EQ	-7.46	0.01	-15.37
A-1	HL	-0.60	0.00	-2.03
A-2	DL	0.00	0.69	7.11
A-2	RLL	0.00	0.08	1.41
A-2	WL	-2.54	5.15	29.48
A-2	EQ	0.00	-1.90	-12.26
A-2	HL	-1.32	-0.04	-0.43
A-3	DL	0.00	-0.69	7.05
A-3	RLL	0.00	-0.08	1.38
A-3	WL	-2.46	5.16	-29.35
A-3	EQ	0.00	-1.90	12.19
A-3	HL	-1.32	-0.04	-0.41
A-4	DL	0.58	0.00	4.59
A-4	RLL	0.05	0.00	0.64
A-4	WL	-3.37	-0.06	-16.38
A-4	EQ	-3.78	0.02	-9.51
A-4	HL	-0.61	0.00	-2.06
B-1	DL	-0.59	0.00	4.63
B-1	RLL	-0.05	0.00	0.65
B-1	WL	-3.43	-0.07	-16.38
B-1	EQ	-6.65	-0.24	15.34
B-1	HL	-0.00	-0.71	2.03
B-2	DL	0.00	0.69	7.11
B-2	RLL	0.00	0.08	1.41
B-2	WL	0.00	5.16	29.48
B-2	EQ	0.00	0.42	6.47
B-2	HL	0.00	0.04	0.42
B-3	DL	0.00	-0.69	7.05
B-3	RLL	0.00	-0.08	-29.35
B-3	WL	0.00	5.17	1.38
B-3	EQ	0.00	-12.26	29.08
B-3	HL	-0.04	0.00	0.40
B-4	DL	-0.58	0.00	4.59
B-4	RLL	-0.05	0.00	0.64
B-4	WL	-3.40	-0.06	16.42
B-4	EQ	-3.58	-0.25	9.48
B-4	HL	-0.72	0.00	2.07

DL = DEAD LOAD
RLL = ROOF LIVE LOAD
WL = WIND LOAD
EQ = EARTHQUAKE LOAD
HL = EARTH LOAD



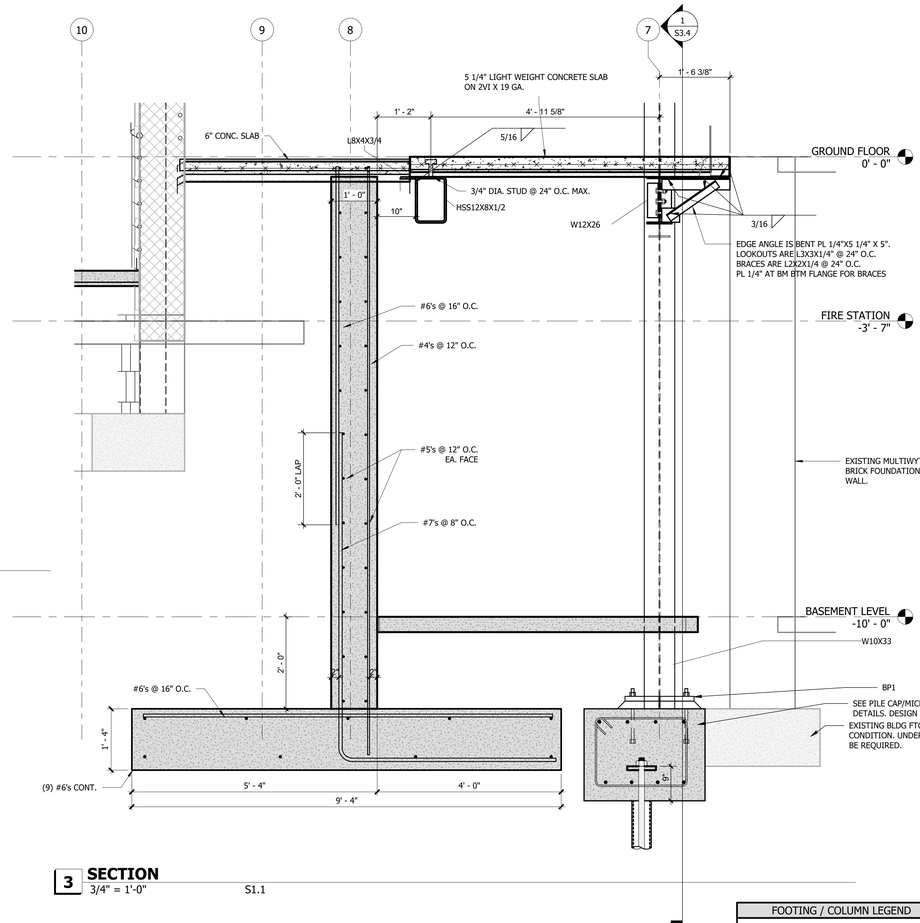
1 FOUNDATION PLAN
1/8" = 1'-0" S3.4

UNDERPINNING NOTES

1. ASSUME EXISTING FOOTING IS 2 FEET BELOW FINISHED FLOOR/FINISHED GRADE. VERIFY IN FIELD.
2. PROVIDE UNDERPINNING AT 4'-0 ON CENTER WHEREVER NEW EXCAVATION EXPOSES EXISTING FOOTING BELOW TOP OF FOOTING ELEVATION.
3. UNDERPINNING REQUIRED FROM 4'-0 PAST WESTERN MOST COLUMN TO 4'-0 PAST EASTERN MOST COLUMN ALONG FIRE STATION SIDE.
4. UNDERPINNING TO BE PUSH PIERS INSTALLED PRIOR TO EXCAVATION TO PREVENT UNDERMINING EXISTING FIRE STATION FOUNDATION.
5. CONTRACTOR TO VERIFY TYPE OF EXISTING FOOTING, i.e. CONTINUOUS CONCRETE FOOTING OR MULTI-WYTHE BRICK WALL BASE AND PROJECTION.
6. ASSUME EXISTING FIRE STATION HAS CONCRETE FOOTINGS (1970's CONSTRUCTION). IF BRICK FOOTINGS ARE ENCOUNTERED, NOTIFY ENGINEER IMMEDIATELY.
7. UNDERPINNING SHOWN IS CONCEPTUAL IN NATURE. CONTRACTOR SHALL PROVIDE A DELEGATED DESIGN BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TENNESSEE FOR ALL UNDERPINNING, MICROPILES AND PIER CAP DESIGNS. SEE SHEET S0.1 FOR DELEGATED DESIGN REQUIREMENTS.

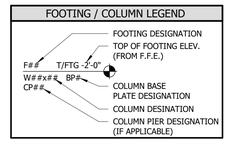
EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.



3 SECTION
3/4" = 1'-0" S1.1

FOOTING / COLUMN LEGEND



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No.	Revision Description	Date

BASEMENT PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.1

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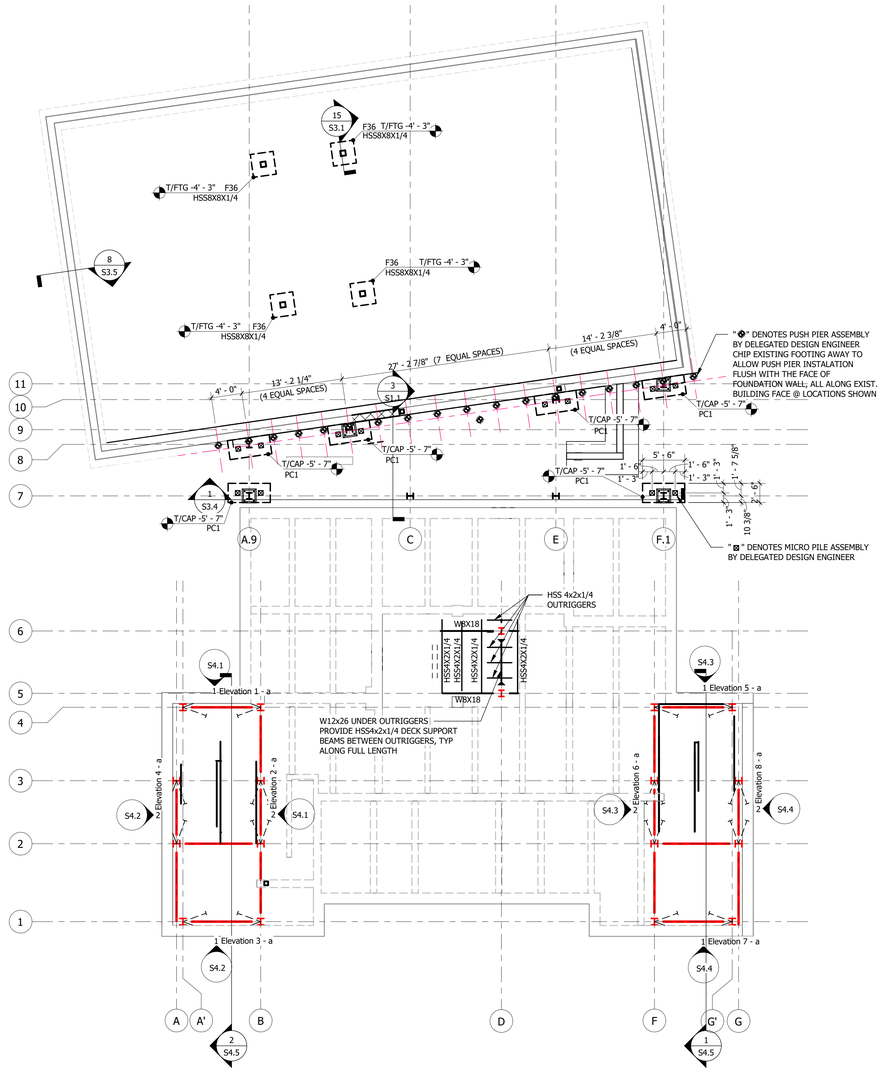


1 GROUND FLOOR UNDERPINNING LAYOUT PLAN

1/8" = 1'-0" S3.4

UNDERPINNING NOTES

1. ASSUME EXISTING FOOTING IS 2 FEET BELOW FINISHED FLOOR/FINISHED GRADE. VERIFY IN FIELD.
2. PROVIDE UNDERPINNING AT 4'-0 ON CENTER WHEREVER NEW EXCAVATION EXPOSES EXISTING FOOTING BELOW TOP OF FOOTING ELEVATION.
3. UNDERPINNING REQUIRED FROM 4'-0 PAST WESTERN MOST COLUMN TO 4'-0 PAST EASTERN MOST COLUMN ALONG FIRE STATION SIDE.
4. UNDERPINNING TO BE PUSH PIERS INSTALLED PRIOR TO EXCAVATION TO PREVENT UNDERMINING EXISTING FIRE STATION FOUNDATION.
5. CONTRACTOR TO VERIFY TYPE OF EXISTING FOOTING, i.e. CONTINUOUS CONCRETE FOOTING OR MULTI-WYTHE BRICK WALL BASE AND PROJECTION.
6. ASSUME EXISTING FIRE STATION HAS CONCRETE FOOTINGS (1970's CONSTRUCTION). IF BRICK FOOTINGS ARE ENCOUNTERED, NOTIFY ENGINEER IMMEDIATELY.
7. UNDERPINNING SHOWN IS CONCEPTUAL IN NATURE. CONTRACTOR SHALL PROVIDE A DELEGATED DESIGN BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TENNESSEE FOR ALL UNDERPINNING, MICROPILES AND PIER CAP DESIGNS. SEE SHEET S0.1 FOR DELEGATED DESIGN REQUIREMENTS.

EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.

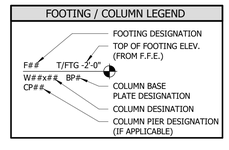
ISOLATED FOOTING SCHEDULE

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING	COMMENT
F36	3' - 0"	3' - 0"	1' - 3"	(3) #6 EACH WAY TOP & BOT	
F72	6' - 0"	6' - 0"	1' - 6"	(6) #6 EACH WAY TOP & BOT	

PILE CAP SCHEDULE

MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT
PC1	5'-6"	2'-6"	1'-9"	(4) #6'S TOP & BTM w/ #3 TIES @ 32" O.C.

FOOTING / COLUMN LEGEND



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1-7-26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

GROUND FLOOR UNDERPINNING LAYOUT PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.2

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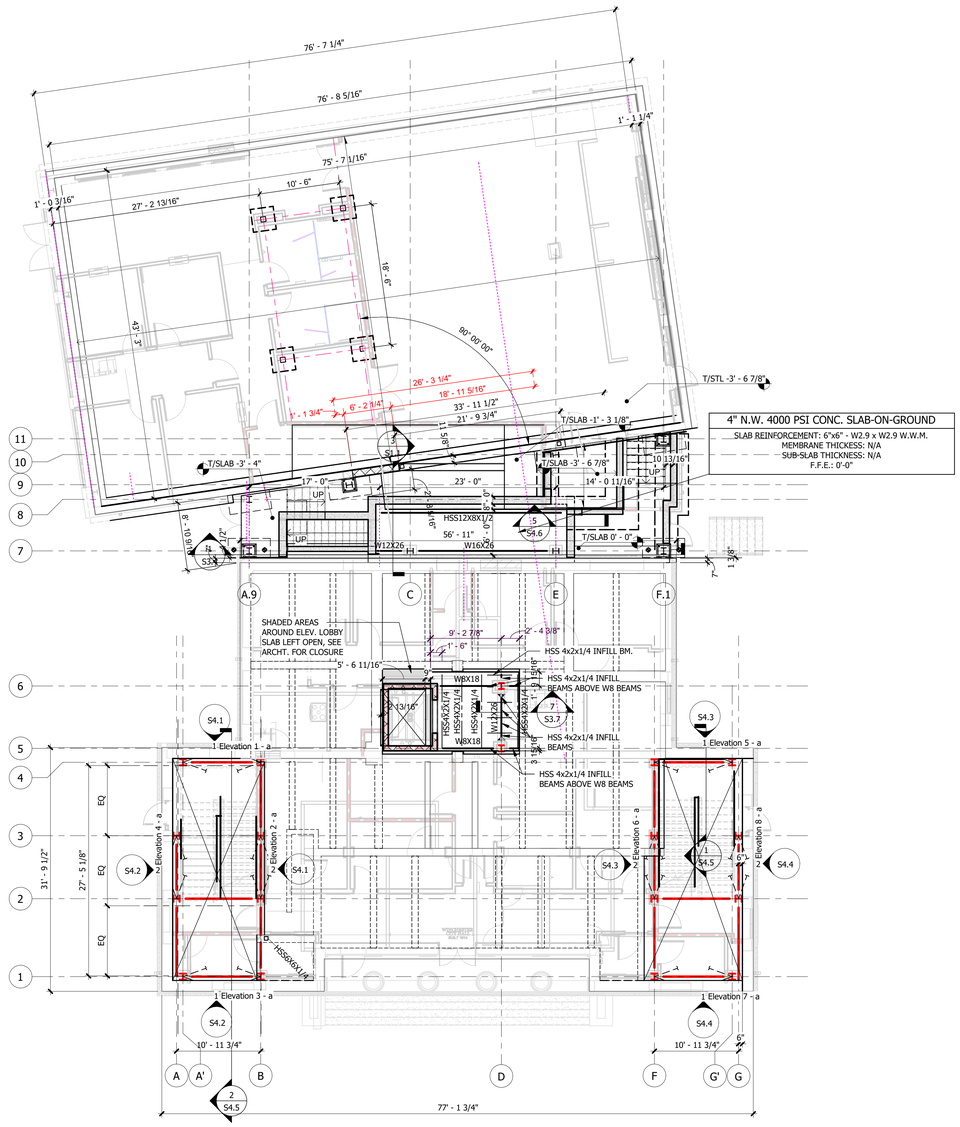
ASD Reactions for Connector BLDG Columns						
COL. LOC.	LOAD	P_X(kips)	P_Y(kips)	P_Z(kips)	M_{OX}(k-ft)	M_{TY}(k-ft)
7-A.9	DL	0.01	0.01	1.78	-0.07	0.07
7-A.9	RLL	0.00	0.01	0.77	-0.04	0.04
7-A.9	WL	-0.10	-2.22	-3.95	15.11	-1.26
7-A.9	EQ	-0.01	-0.21	-0.37	1.40	-0.12
8-A.9	DL	0.00	-0.02	1.00	0.05	0.00
8-A.9	RLL	0.00	-0.01	0.32	-0.03	0.04
8-A.9	WL	0.00	-2.23	4.00	15.14	0.00
8-A.9	EQ	0.00	-0.21	0.37	1.40	0.00
9-B	DL	0.33	0.05	4.43	-0.19	1.28
9-B	RLL	0.19	0.03	2.32	-0.11	0.73
9-B	WL	-0.93	-0.14	0.01	-6.47	0.13
9-B	EQ	-0.21	-0.03	0.00	0.21	-1.46
10-E	DL	-0.33	-0.05	5.39	0.20	-1.36
10-E	RLL	-0.19	-0.03	2.94	0.12	-0.79
10-E	WL	-0.90	-0.13	0.02	0.92	-6.24
10-E	EQ	-0.21	-0.03	0.00	0.21	-1.45
11-F.1	DL	-0.00	-0.11	1.77	0.46	0.00
11-F.1	RLL	0.00	-0.07	0.80	0.28	0.00
11-F.1	WL	0.00	-1.98	1.42	13.91	0.00
11-F.1	EQ	0.00	-0.18	0.13	1.29	0.00
8-F.1	DL	-0.00	0.11	1.98	-0.47	0.00
8-F.1	RLL	0.00	0.07	0.93	-0.28	0.00
8-F.1	WL	0.00	-1.98	-1.41	13.88	0.00
8-F.1	EQ	0.00	-0.18	-0.13	1.28	0.00
8-E	DL	0.02	0.00	4.46	0.00	0.21
8-E	RLL	0.01	0.00	2.30	0.12	0.00
8-E	WL	-0.76	0.00	-1.41	0.00	-7.32
8-E	EQ	-0.16	0.00	0.05	0.00	-1.53
8-C	DL	-0.03	0.00	4.70	0.00	-0.07
8-C	RLL	-0.02	0.00	2.37	0.00	-0.05
8-C	WL	-0.74	0.00	-0.33	0.00	-7.22
8-C	EQ	-0.15	0.00	-0.07	0.00	-1.50



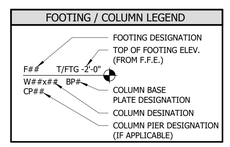
1 GROUND FLOOR FRAMING PLAN

1/8" = 1'-0" S3.4

UNDERPINNING NOTES

1. ASSUME EXISTING FOOTING IS 2 FEET BELOW FINISHED FLOOR/FINISHED GRADE. VERIFY IN FIELD.
2. PROVIDE UNDERPINNING AT 4'-0 ON CENTER WHEREVER NEW EXCAVATION EXPOSES EXISTING FOOTING BELOW TOP OF FOOTING ELEVATION.
3. UNDERPINNING REQUIRED FROM 4'-0 PAST WESTERN MOST COLUMN TO 4'-0 PAST EASTERN MOST COLUMN ALONG FIRE STATION SIDE.
4. UNDERPINNING TO BE PUSH PIERS INSTALLED PRIOR TO EXCAVATION TO PREVENT UNDERMINING EXISTING FIRE STATION FOUNDATION.
5. CONTRACTOR TO VERIFY TYPE OF EXISTING FOOTING, i.e. CONTINUOUS CONCRETE FOOTING OR MULTI-WYTHE BRICK WALL BASE AND PROJECTION.
6. ASSUME EXISTING FIRE STATION HAS CONCRETE FOOTINGS (1970's CONSTRUCTION). IF BRICK FOOTINGS ARE ENCOUNTERED, NOTIFY ENGINEER IMMEDIATELY.
7. UNDERPINNING SHOWN IS CONCEPTUAL IN NATURE. CONTRACTOR SHALL PROVIDE A DELEGATED DESIGN BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TENNESSEE FOR ALL UNDERPINNING, MICROPILES AND PIER CAP DESIGNS. SEE SHEET S0.1 FOR DELEGATED DESIGN REQUIREMENTS.

FOOTING / COLUMN LEGEND



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No.	Revision Description	Date

GROUND FLOOR FOUNDATION / FRAMING PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.3

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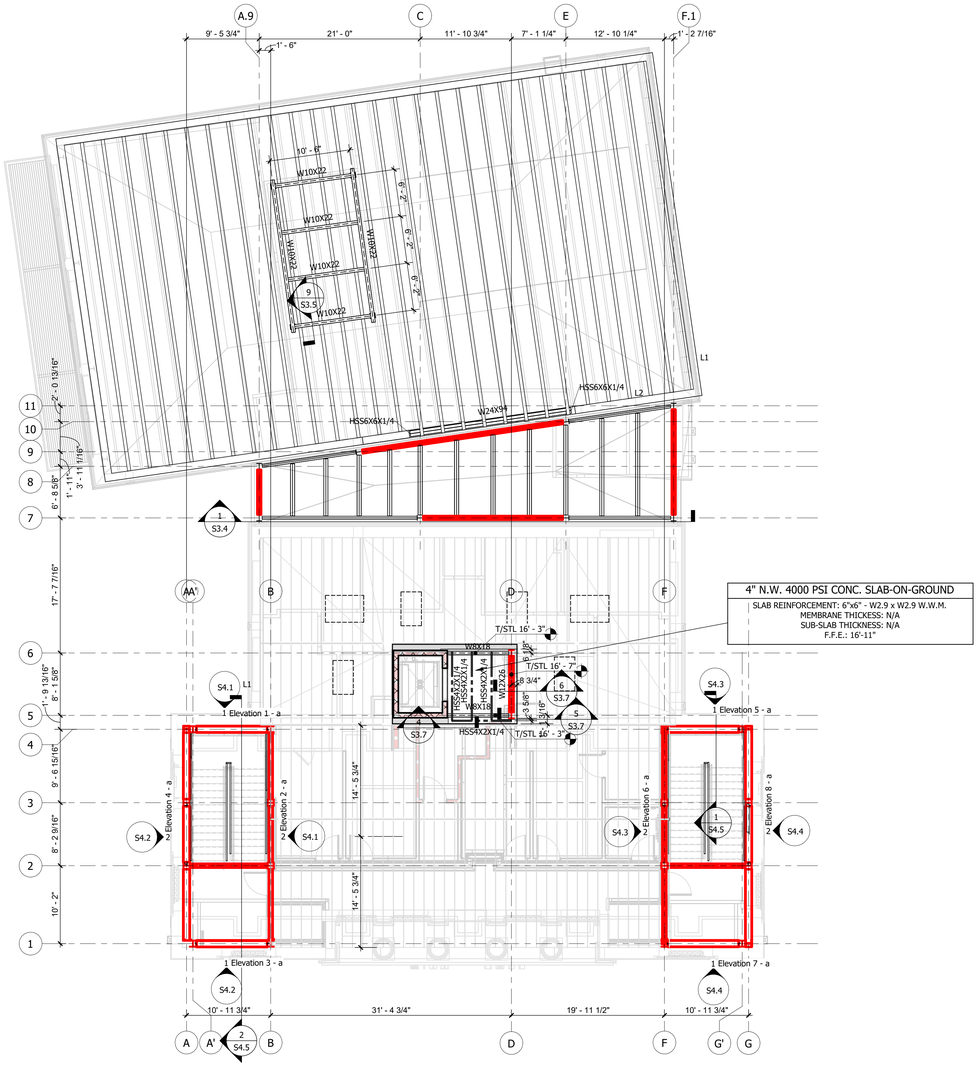


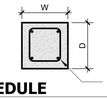
4" N.W. 4000 PSI CONC. SLAB-ON-GROUND

SLAB REINFORCEMENT: 6"x6" - W2.9 x W2.9 W.W.M.
MEMBRANE THICKESS: N/A
SUB-SLAB THICKNESS: N/A
F.F.E.: 16'-11"

1 SECOND FLOOR

1/8" = 1'-0" S3.4

PRECAST LINTEL SCHEDULE			
MARK	OPENING WIDTH	BEAM SIZE	REINFORCEMENT
L1	0'-0" TO 4'-0"	1'-0" x 1'-0"	(2) #5'S TOP & BTM w/ #3 TIES @ 32" O.C.
L2	4'-1" TO 8'-0"	1'-0" x 1'-2"	(2) #5'S TOP & BTM w/ #3 TIES @ 32" O.C.



2 PRECAST LINTEL SCHEDULE

3/4" = 1'-0"

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No.	Revision Description	Date

SECOND FLOOR FRAMING PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.4

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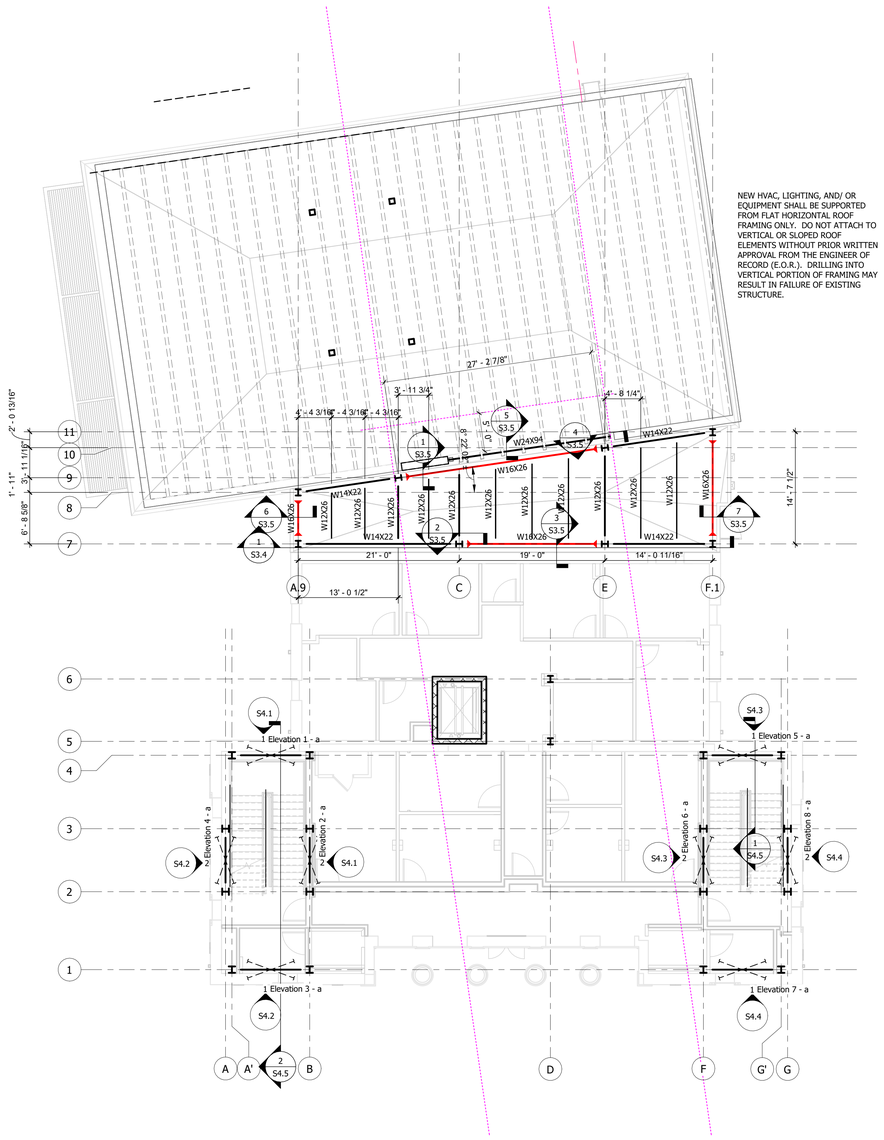

NEW HVAC, LIGHTING, AND/ OR EQUIPMENT SHALL BE SUPPORTED FROM FLAT HORIZONTAL ROOF FRAMING ONLY. DO NOT ATTACH TO VERTICAL OR SLOPED ROOF ELEMENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER OF RECORD (E.O.R.). DRILLING INTO VERTICAL PORTION OF FRAMING MAY RESULT IN FAILURE OF EXISTING STRUCTURE.

SHORING NOTES FOR SQUEEZE BEAM

1. CONTRACTOR TO SHORE EXISTING ROOF CONSTRUCTION WHILE SQUEEZE BEAMS ARE INSTALLED AND DURING ALL CUTTING OPERATIONS.
2. SHORING SHALL SUPPORT PRECAST DOUBLE-TEES/CHANNELS TO REMOVE LOAD FROM MASONRY WALL DURING CONSTRUCTION.
3. DO NOT RELY ON SQUEEZE BEAM ALONE FOR TEMPORARY SUPPORT - PROVIDE INDEPENDENT SHORING.
4. SHORING TO REMAIN IN PLACE UNTIL PERMANENT STEEL BEAM IS INSTALLED AND PROPERLY BEARING.

SUGGESTED SEQUENCE OF CONSTRUCTION

1. INSTALL TEMPORARY SHORING UNDER EXISTING PRECAST ROOF STRUCTURE.
2. INSTALL SQUEEZE BEAM [SIZE TBD BY ENGINEER] WITH [X] BOLTS AT EACH END (2 ROWS TOP AND BOTTOM) AND STAGGERED BOLTS BETWEEN. EXTEND SQUEEZE BEAM 3'-0 TO 4'-0 PAST OPENING ON EACH SIDE.
3. POSITION SQUEEZE BEAM 1 TO 2 ABOVE FINAL BEAM ELEVATION TO ALLOW FOR SAW CUTTING CLEARANCE.
4. PROVIDE CRUSH TUBES OR WOOD BLOCKING IN AIRSPACE BETWEEN BRICK AND CMU TO PREVENT CRUSHING DURING SQUEEZE BEAM INSTALLATION.
5. AFTER SQUEEZE BEAM IS FULLY BEARING AND BOLTED, SAW CUT HORIZONTAL OPENING FOR NEW BEAM.
6. CUT EXISTING MASONRY COLUMN/PIER AS REQUIRED.
7. INSTALL PERMANENT STEEL BEAM [SIZE TBD] WITH [TOP PLATE OR BOTTOM PLATE - PENDING ARCHITECT APPROVAL].
8. FIELD CUT TOP COURSE OF MASONRY TO PROVIDE FULL BEARING. SHIM TIGHT FOR COMPLETE CONTACT.
9. AFTER PERMANENT BEAM IS VERIFIED TO BE FULLY BEARING, REMOVE SQUEEZE BEAM.
10. REMOVE TEMPORARY ROOF SHORING AFTER PERMANENT BEAM INSTALLATION IS COMPLETE.

1 CONNECTOR ROOF FRAMING PLAN
1/8" = 1'-0" S3.4

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

NEW CONNECTOR ROOF FRAMING PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.5

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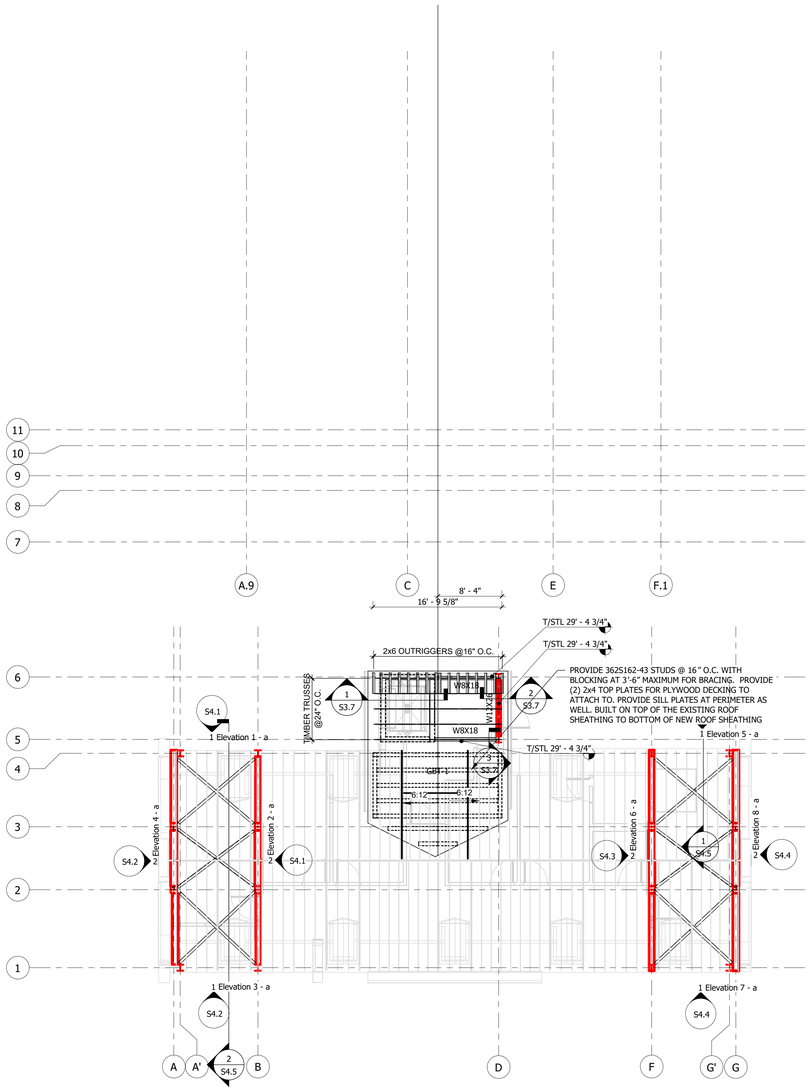

1 ROOF FRAMING PLAN
1/8" = 1'-0" S4.1

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

ROOF FRAMING PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S1.6

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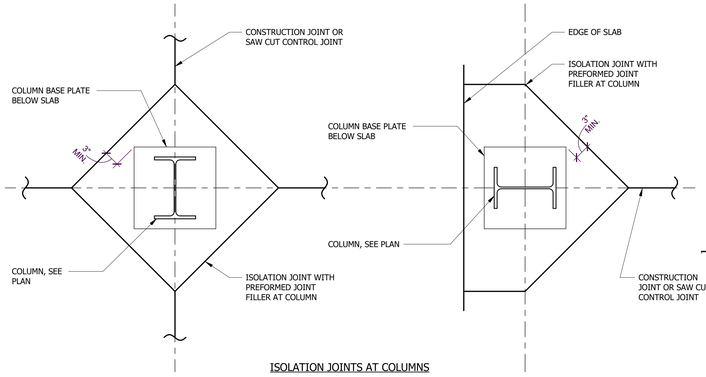
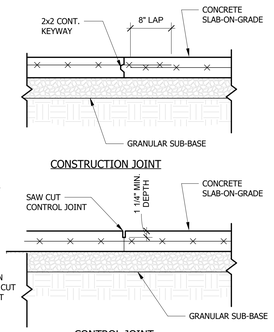


ISOLATION JOINTS AT COLUMNS



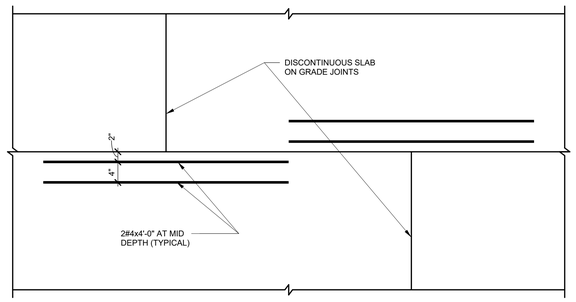
CONSTRUCTION JOINT

CONTROL JOINT

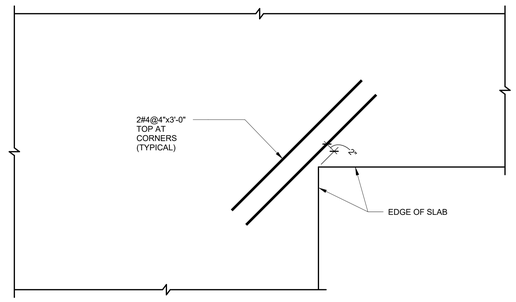
NOTES:
1. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 30T (U.N.O.).
2. LOCATE CONTROL JOINTS AS SPECIFIED ON ARCHITECTURAL DRAWINGS (WHEN APPLICABLE).
3. PROVIDE 15 MIL VAPOR BARRIER BELOW SLAB (U.N.O.)

1 TYP. S.O.G. JOINT DETAIL AT COLUMNS
1" = 1'-0"

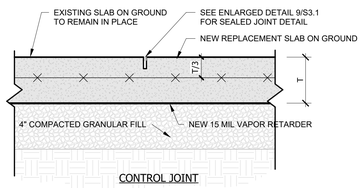
2 SLAB-ON-GRADE DETAILS
1" = 1'-0"



3 TYPICAL REINFORCING AT DISCONTINUOUS JOINTS
1" = 1'-0"



4 TYPICAL REINFORCING AT RE-ENTRANT CORNERS
1" = 1'-0"

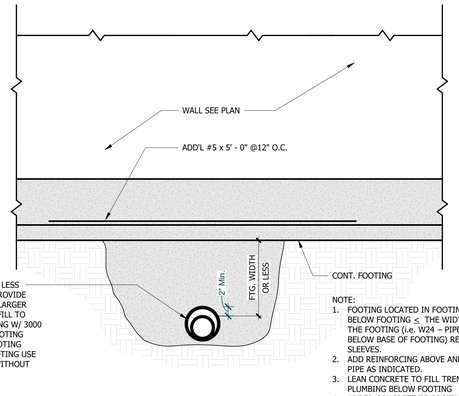


CONTROL JOINT

NOTES:
1. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 30T. (U.N.O.).
2. LOCATE CONTROL JOINTS AS SPECIFIED ON FOUNDATION PLAN ABOVE.
3. PROVIDE 15 MIL VAPOR BARRIER BELOW SLAB (U.N.O.)

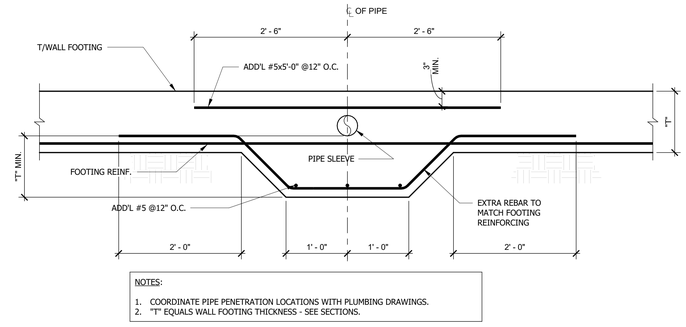
5 CONTROL JOINT IN NEW SLAB
1 1/2" = 1'-0"

6 SEALED JOINT IN NEW CONCRETE
6" = 1'-0"



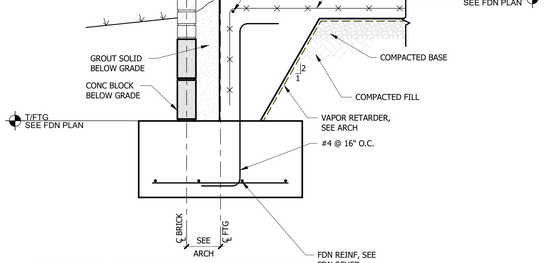
NOTE:
1. FOOTING LOCATED IN FOOTING OR BELOW FOOTING ≤ THE WIDTH OF THE FOOTING (i.e. W24 – PIPES ≤ 24" BELOW BASE OF FOOTING) REQUIRE SLEEVES.
2. ADD REINFORCING ABOVE AND BELOW PIPE AS INDICATED.
3. LEAN CONCRETE TO FILL TRENCH IF PLUMBING BELOW FOOTING
4. ADDED CONCRETE TO FOOTING IF PIPE IS IN FOOTING.

7 TYPICAL PIPE SLEEVE UNDER FOOTING
1" = 1'-0"

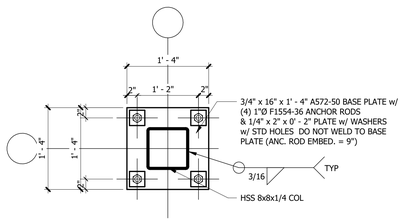


NOTES:
1. COORDINATE PIPE PENETRATION LOCATIONS WITH PLUMBING DRAWINGS.
2. "T" EQUALS WALL FOOTING THICKNESS - SEE SECTIONS.

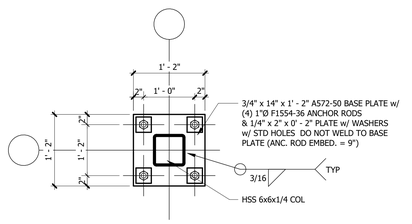
8 PIPE SLEEVE IN FOOTING
1" = 1'-0"



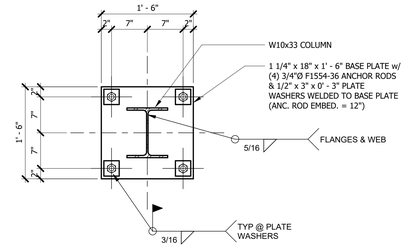
9 TYPICAL FOUNDATION SECTION
1" = 1'-0"



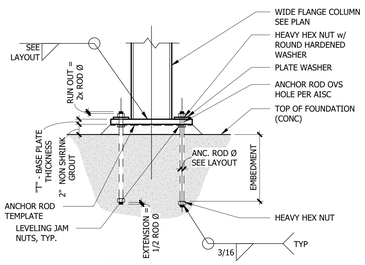
10 BASE PLATE LAYOUT HSS 8X8 COL
1" = 1'-0"



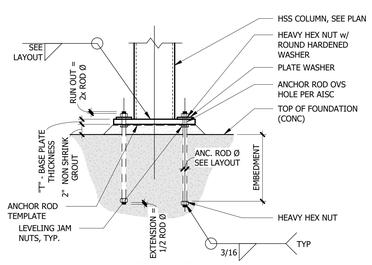
11 BASE PLATE LAYOUT HSS 6X6 COLS.
1" = 1'-0"



12 BASE PLATE LAYOUT - BP1 FOR W10x33 COLS.
1" = 1'-0"



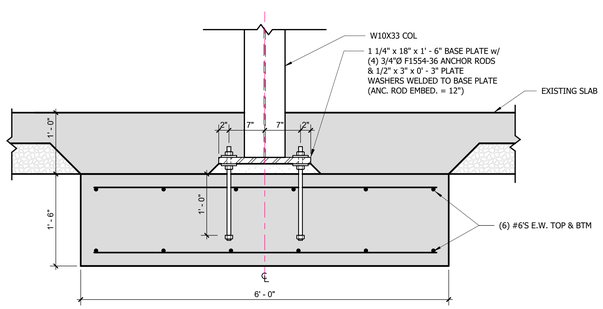
WIDE FLANGE COLUMN



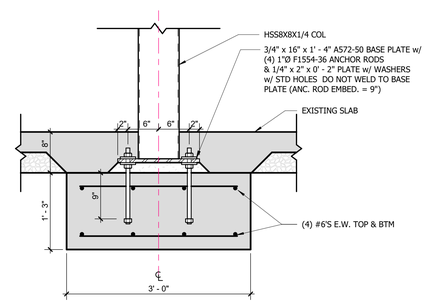
HSS COLUMN

ANCHOR ROD HOLE SIZE / PLATE WASHERS					
ANCHOR ROD Ø	ANC. ROD HOLE Ø	WASHER SIZE	WASHER THICKNESS	P. W. HOLE Ø	WELD - "Y"
3/4"	1 5/16"	2"	1/4"	13/16"	3/16"
7/8"	1 9/16"	2 1/2"	5/16"	15/16"	3/16"
1"	1 13/16"	3"	3/8"	1 1/8"	3/16"
1 1/4"	2 1/16"	3"	1/2"	1 3/8"	3/16"
1 1/2"	2 5/16"	3 1/2"	1/2"	1 5/8"	3/16"
1 3/4"	2 3/4"	4"	5/8"	1 7/8"	1/4"
2"	3 1/4"	5"	3/4"	2 1/8"	1/4"
2 1/2"	3 3/4"	5 1/2"	7/8"	2 5/8"	1/4"

13 GRAVITY BASE PLATE SECTION
1" = 1'-0"



14 FTG UNDER EXISTING SLAB
1" = 1'-0" S1.1



15 HSS FTG UNDER EXISTING SLAB
1" = 1'-0" S1.2

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1-7-26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SECTIONS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.1

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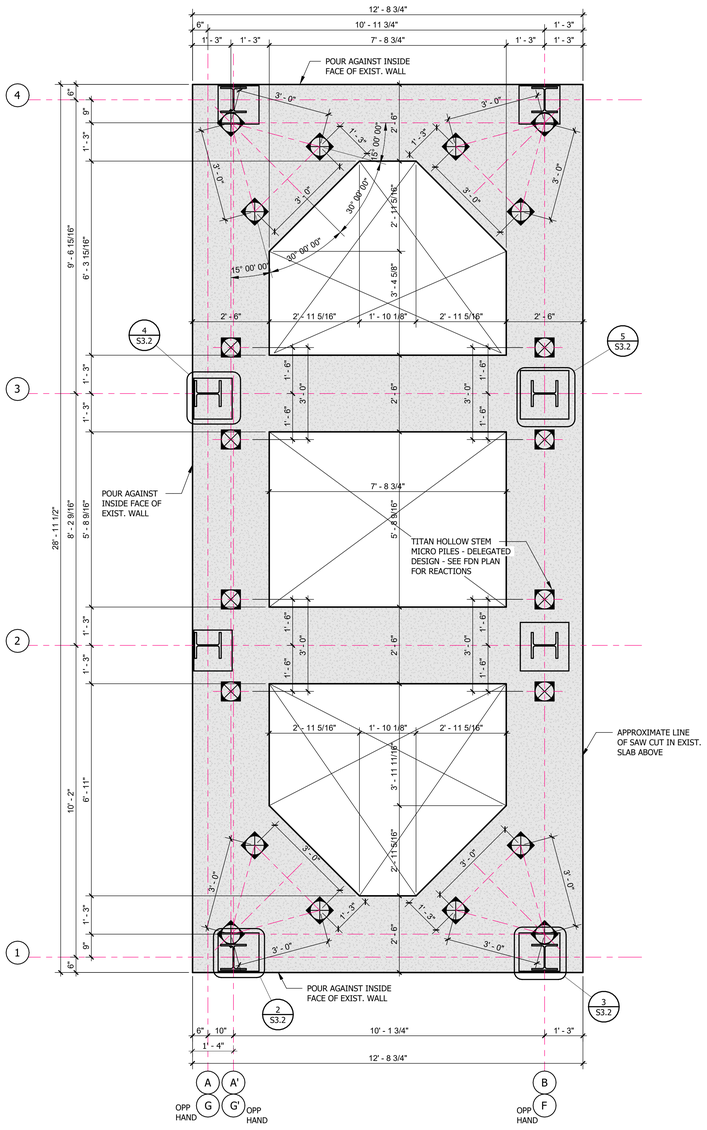
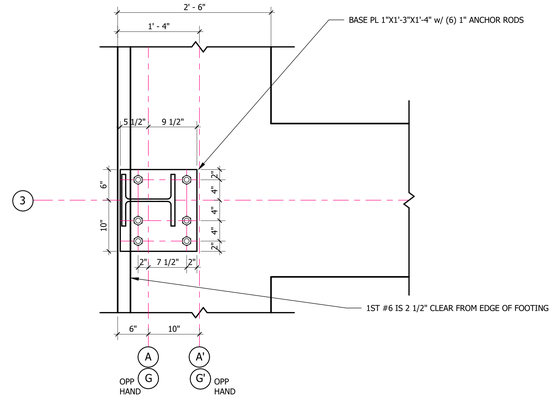
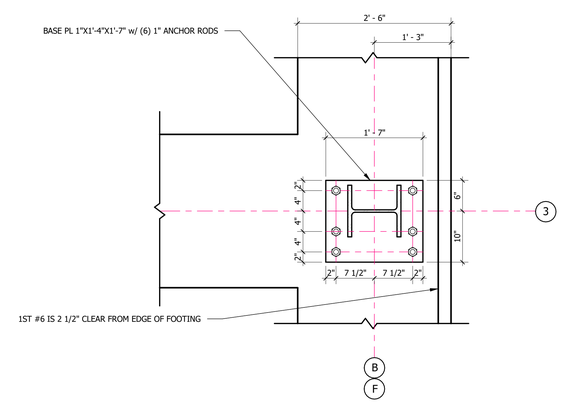


1 NEW STAIR FOUNDATION LAYOUT
1/2" = 1'-0"



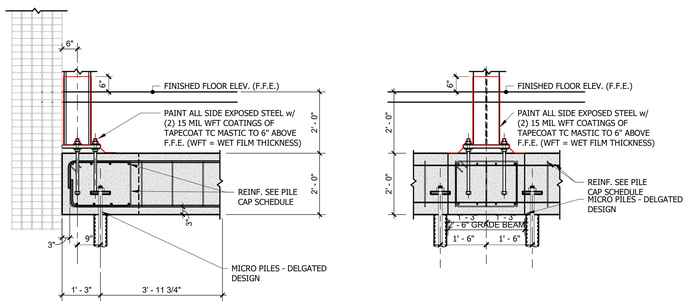
4 BASEPLATE @ 3-A'/G'
1" = 1'-0" S3.2



5 BASEPLATE @ 3-B/F
1" = 1'-0" S3.2

2 BASEPLATE @ 1-A'/G'
1" = 1'-0" S3.2

3 BASEPLATE @ 1-B/F
1" = 1'-0" S3.2



6 micro piles @ connector buidling
1/2" = 1'-0"

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SECTIONS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.2

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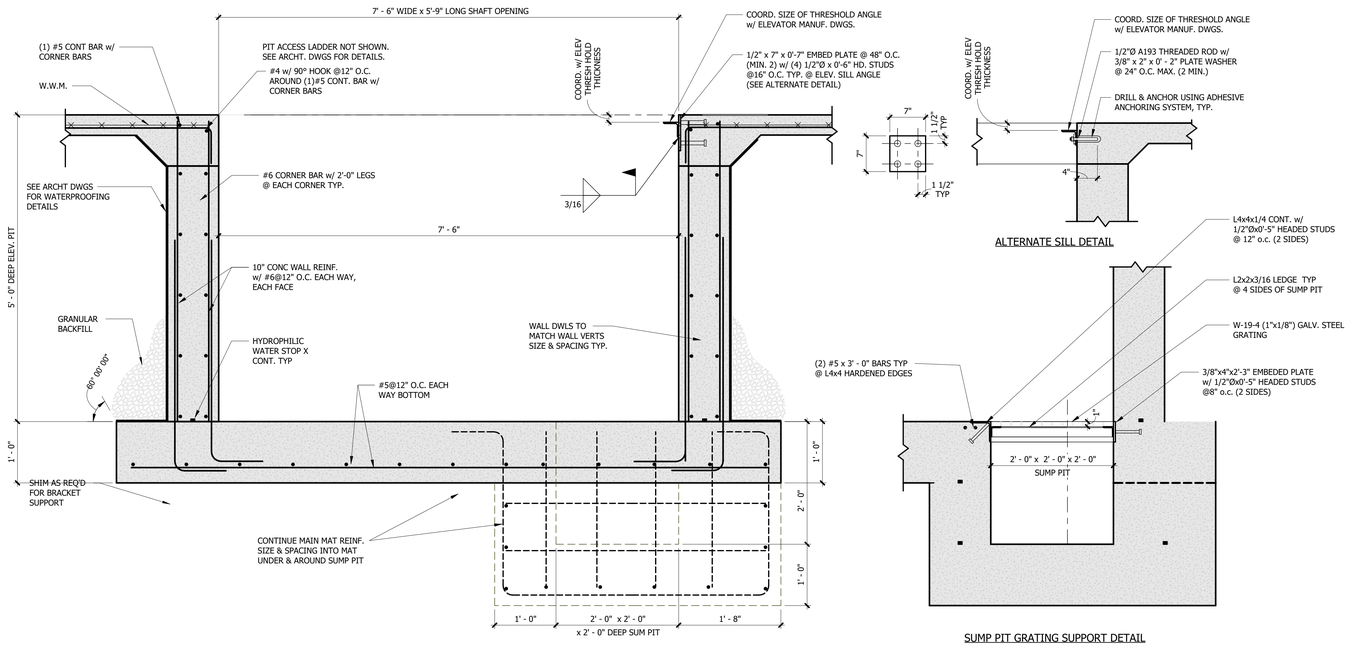
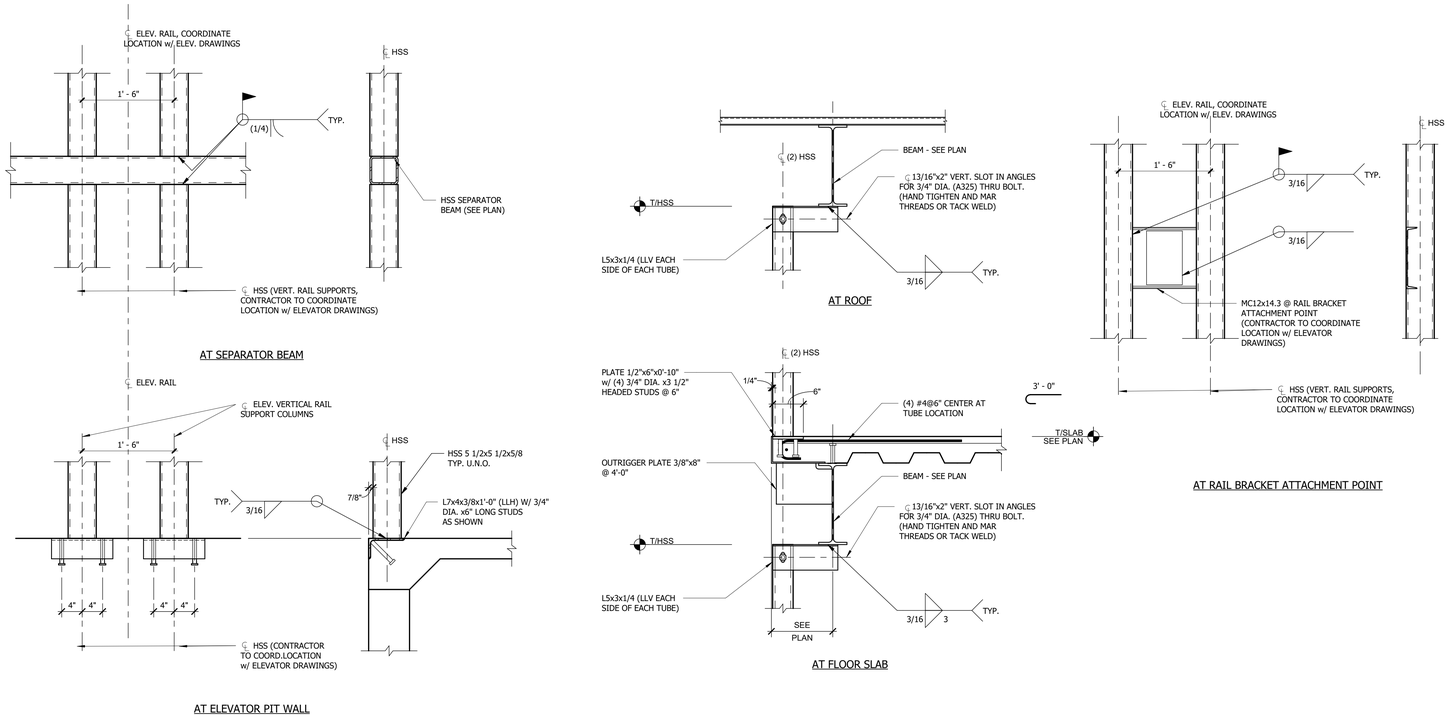
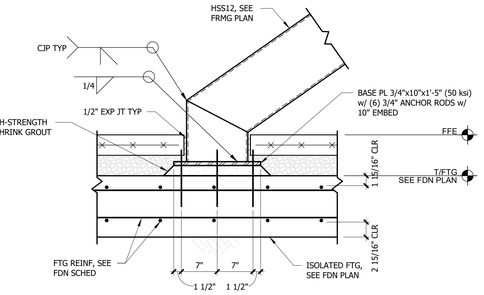


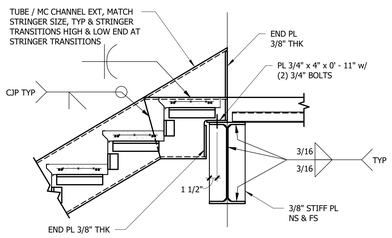
1 SECTION @ ELEVATOR PIT
1" = 1'-0"



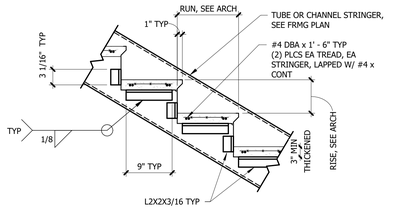
2 TYPICAL ELEVATOR RAIL SUPPORT DETAIL
1" = 1'-0"



3 TYP ELEVATOR STAIR STRINGER BASEPLATE DETAIL
1" = 1'-0"



4 STRINGER BEARING AT ELEVATOR STAIR



5 TYPICAL PAN STAIR DETAIL
1" = 1'-0"

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SECTIONS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.3

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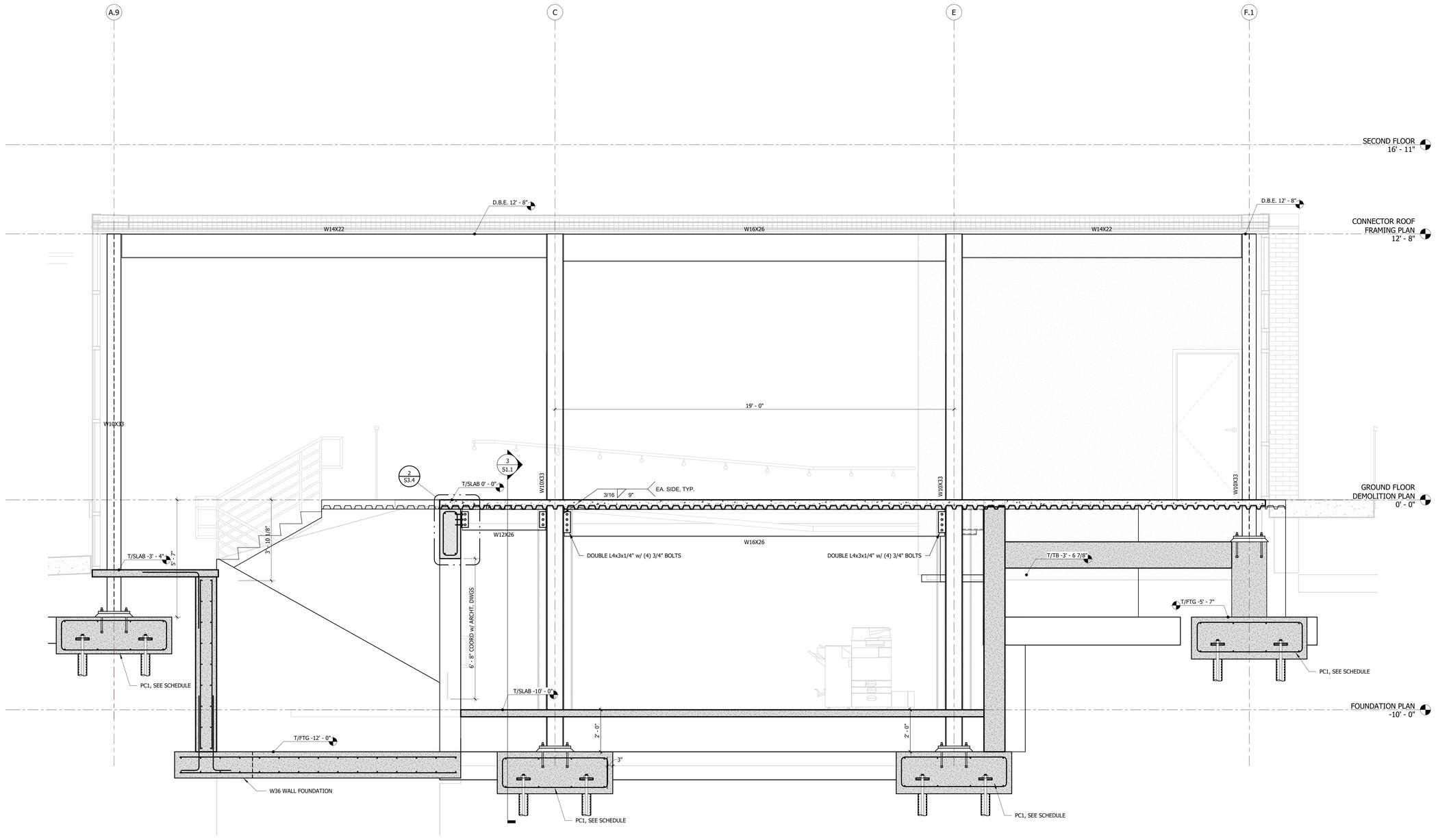
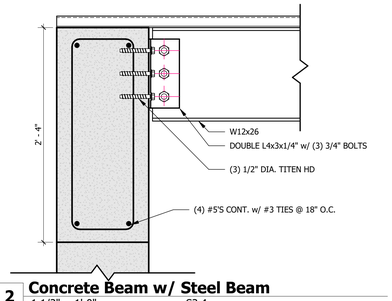


1 SECTION THRU CONNECTOR BUILDING

1/2" = 1'-0" S1.1



2 Concrete Beam w/ Steel Beam

1 1/2" = 1'-0" S3.4

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1-7-26

WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

BUILDING SECTION

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.4

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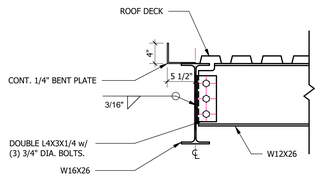
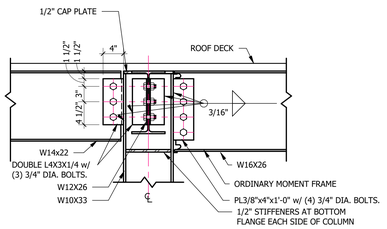
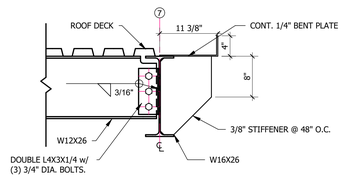


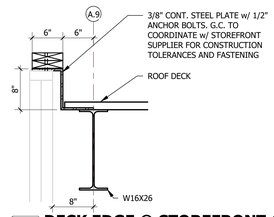
1 ROOF GIRDER @ CONNECTOR BUILDING COURTROOM
1" = 1'-0" S1.5



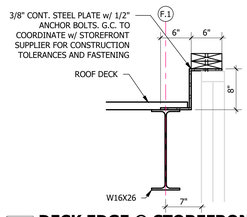
2 ROOF GIRDER @ CONNECTOR BUILDING COL
1" = 1'-0" S1.5



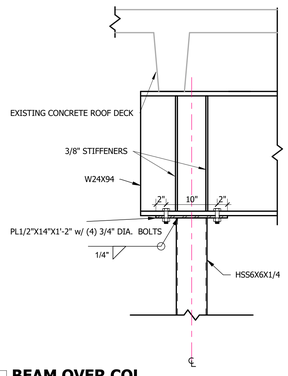
3 ROOF GIRDER @ CONNECTOR BUILDING SOUTH BUIDLING
1" = 1'-0" S1.5



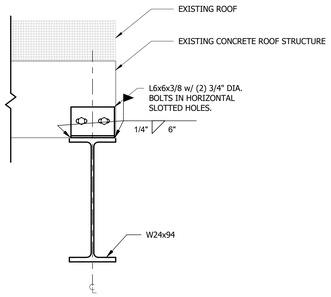
6 DECK EDGE @ STOREFRONT @ A.9
1" = 1'-0" S1.5



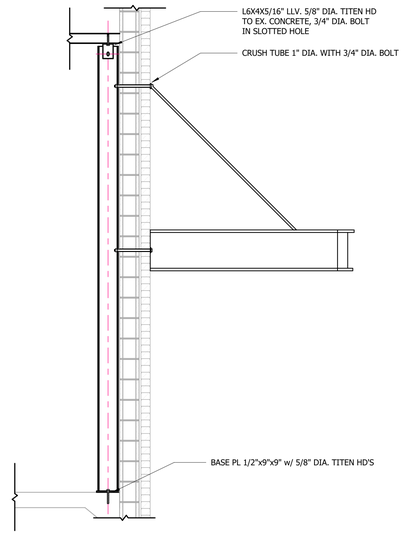
7 DECK EDGE @ STOREFRONT @ F.1
1" = 1'-0" S1.5



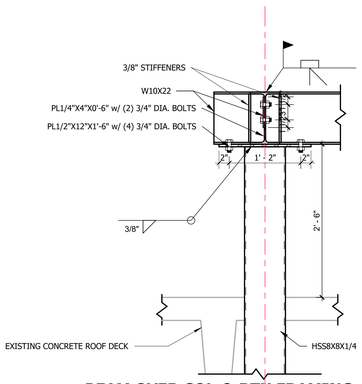
4 BEAM OVER COL
1" = 1'-0" S1.5



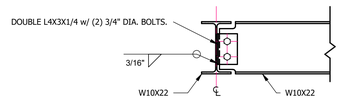
5 BEAM @ FIREHALL
1" = 1'-0" S1.5



8 CANOPY SECTION
1/2" = 1'-0" S1.2



9 BEAM OVER COL @ RTU FRAMING
1" = 1'-0" S1.4



10 CONNECTION @ RTU FRAMING
1" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

STEEL FRAMING CONNECTIONS

JOB NO: 63492 DRAWN: DCR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.5

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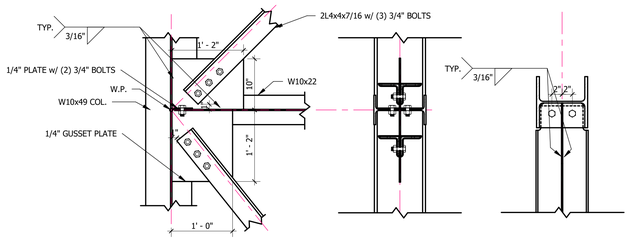
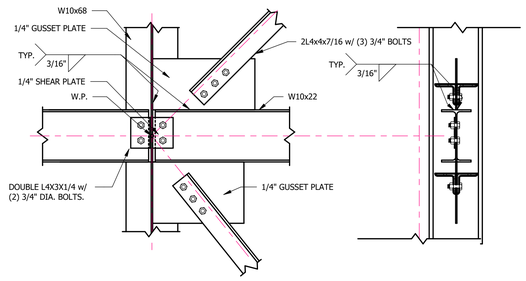
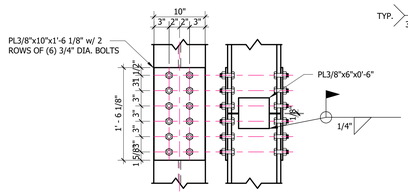


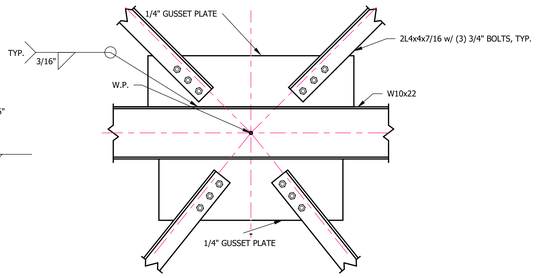
1 Typical Bracing Connection Rotated Beam
1" = 1'-0" S4.1



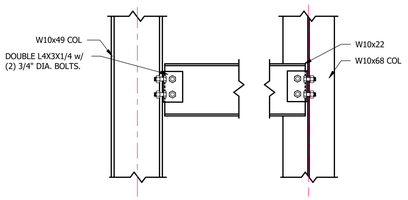
2 TYPICAL BRACING CONNECTION VERTICAL
1" = 1'-0" S4.1



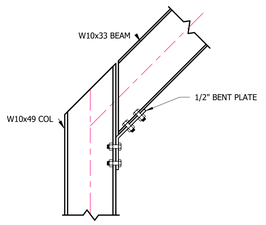
8 TYP. COL. SPLICE
1" = 1'-0"



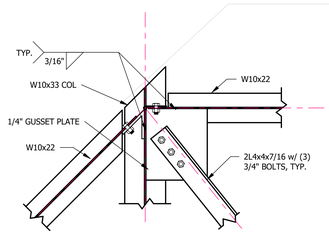
3 BRACE CONNECTION @ CENTER OF BEAM
1" = 1'-0" S4.1



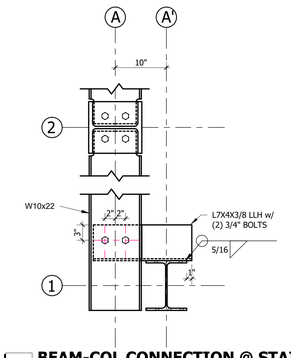
4 BEAM-COL CONNECTION
1" = 1'-0" S4.1



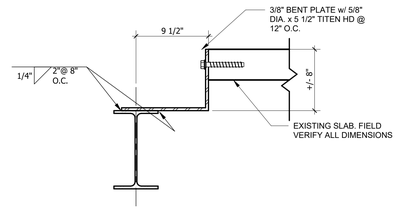
7 BEAM-COL CONNECTION @ ROOF
1" = 1'-0" S4.1



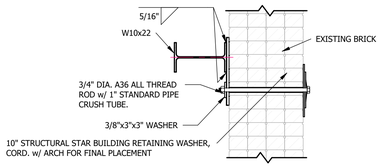
9 BEAM-COL CONNECTION @ ROOF EDGE COL
1" = 1'-0" S4.2



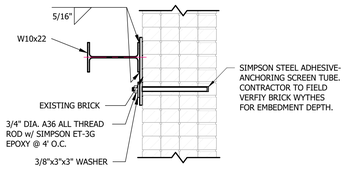
10 BEAM-COL CONNECTION @ STAIR FRAME
1" = 1'-0" S4.1



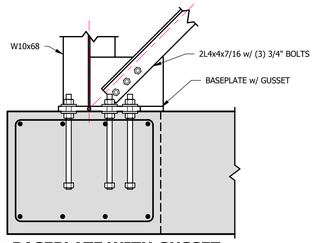
11 DECK ATTACHMENT @ EXISTING CONC. SLAB
1 1/2" = 1'-0"



5 STRUCTURAL WASHERS FOR BRICK ATTACHMENT
1" = 1'-0" S4.1



12 INTERMEDIATE ATTCHMENT BETWEEN STRUCTURAL WASHERS
1" = 1'-0"



6 BASEPLATE WITH GUSSET
1" = 1'-0" S4.1

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

STAIRWAY FRAMING CONNECTIONS

JOB NO: 63492 DRAWN: DCR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.6

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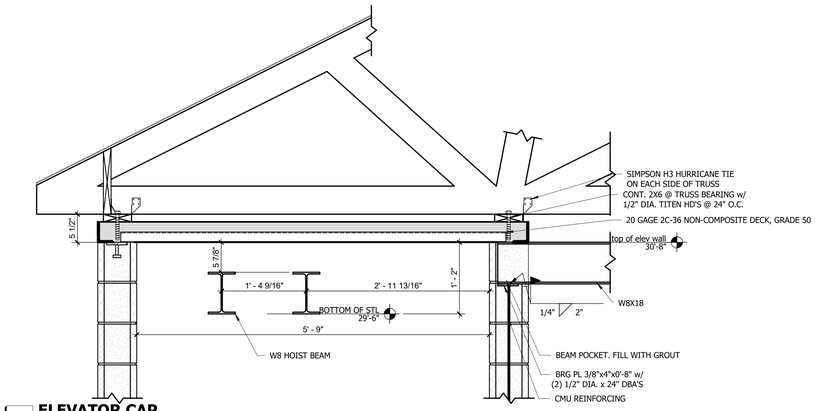
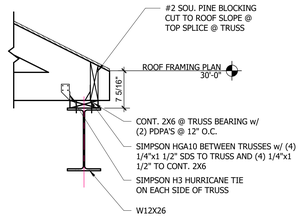
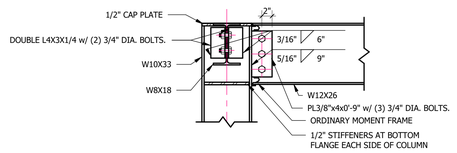


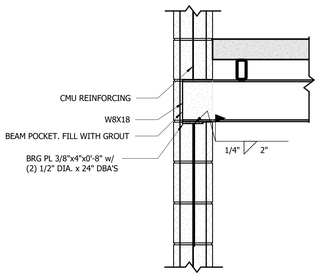
1 ELEVATOR CAP
1" = 1'-0" S1.6



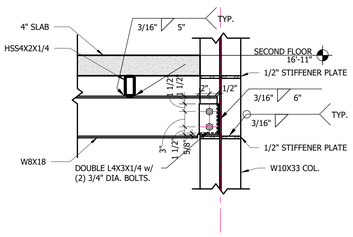
2 STEEL FRAMING TO TRUSS
1" = 1'-0" S1.6



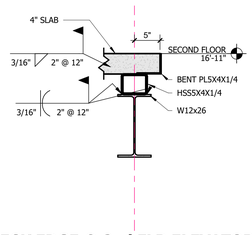
3 BEAM TO GIRDER CONNECTION @ ELEVATOR ROOF
1" = 1'-0" S1.6



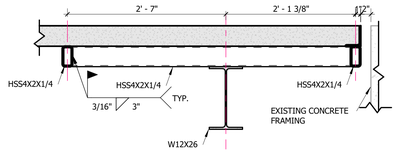
4 BEAM POCKET @ ELEVATOR SHAFT 2ND FLR & GROUND FLR
1" = 1'-0" S1.4



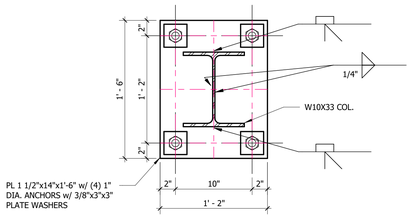
5 ELEVATOR FRAMING @ 2ND FLR
1" = 1'-0" S1.4



6 DECK EDGE @ 2nd FLR ELEVATOR FRAMING
1" = 1'-0" S1.4



7 HSS TO HSS CONNECTION @ ELEVATOR GROUND FLOOR
1" = 1'-0" S1.3



8 ELEVATOR COL BASEPLATE
1 1/2" = 1'-0"

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SECTIONS @ ELEVATOR

JOB NO: 63492 DRAWN: DCR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S3.7

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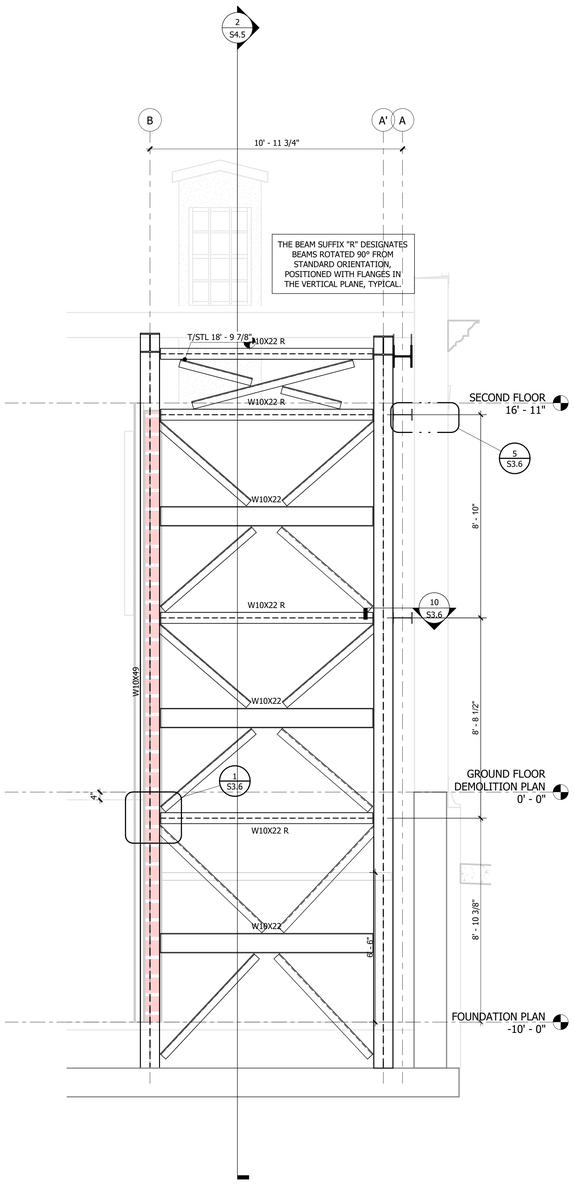
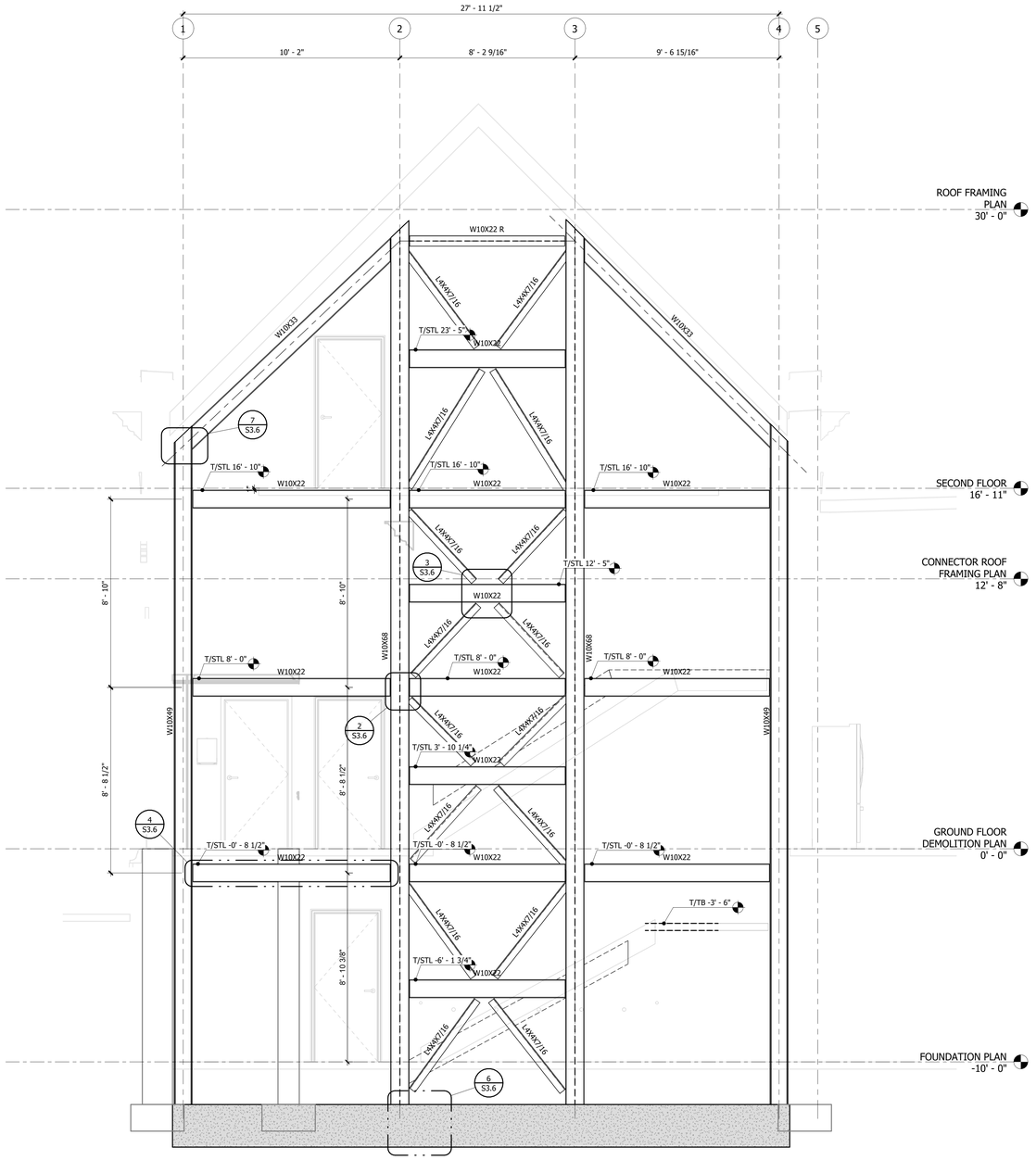


1 FRAME ELEVATION IN STAIR 101
3/8" = 1'-0" S1.1



2 FRAME ELEVATION IN STAIR 101
3/8" = 1'-0" S1.1

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

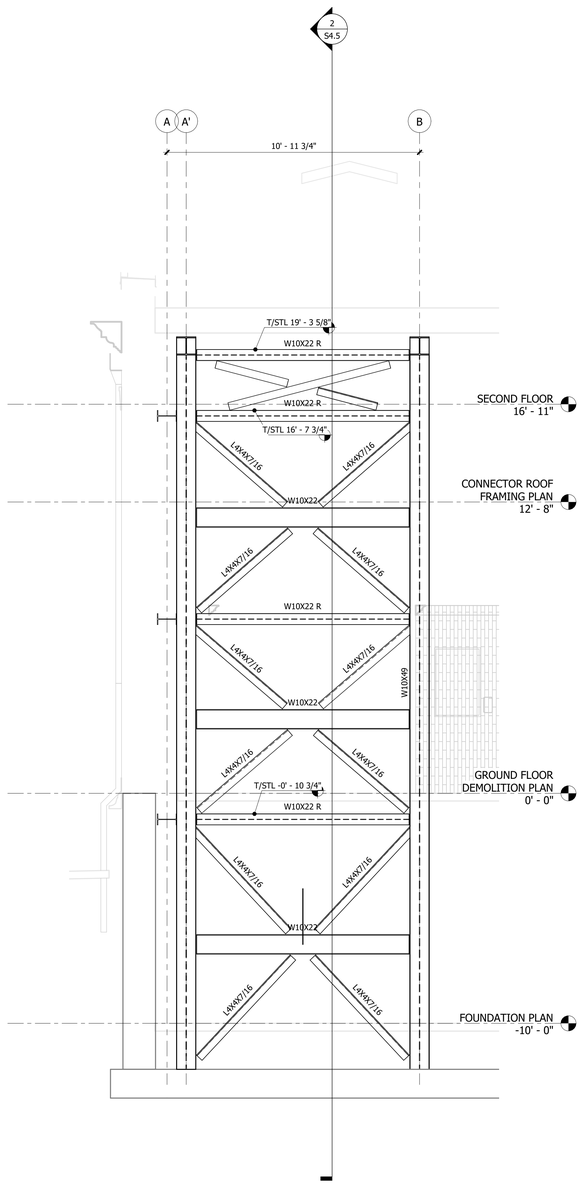
No.	Revision Description	Date

FRAME ELEVATIONS IN STAIR 101

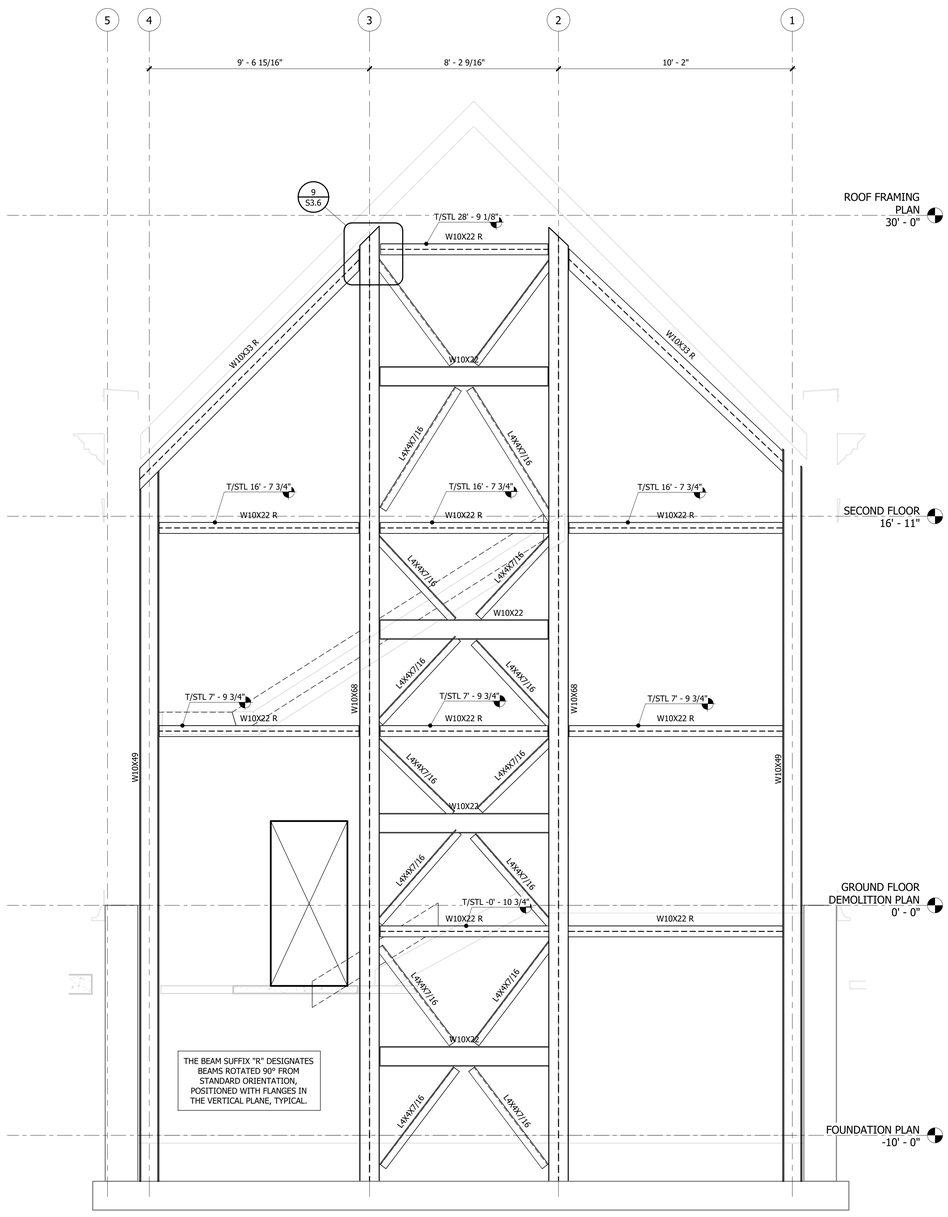
JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S4.1

Plotted on: 2/9/2026 2:37:42 PM



1 FRAME ELEVATION IN STAIR 101
3/8" = 1'-0" S1.1



2 FRAME ELEVATION IN STAIR 101
3/8" = 1'-0" S1.1

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

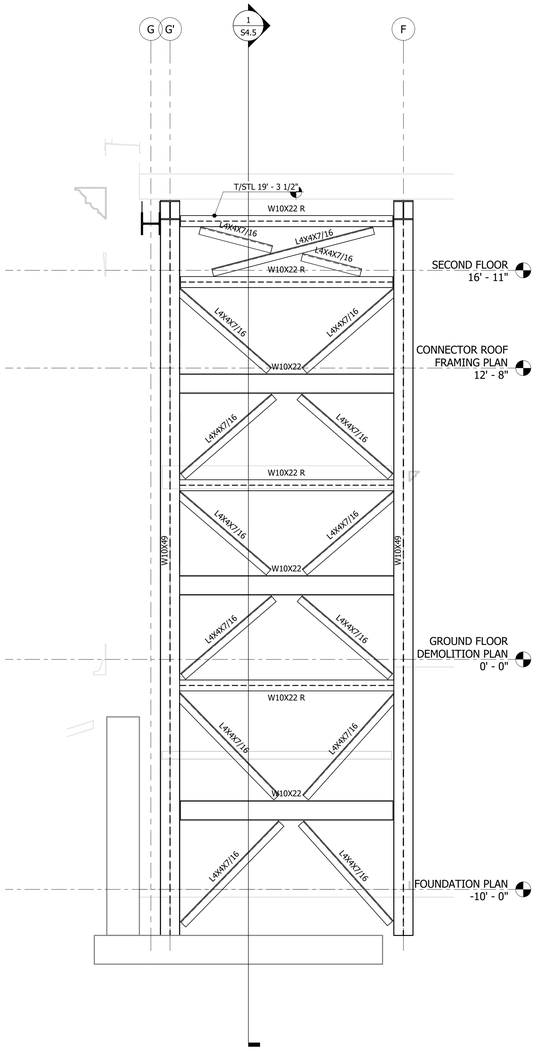
No.	Revision Description	Date

FRAME ELEVATIONS IN STAIR 101

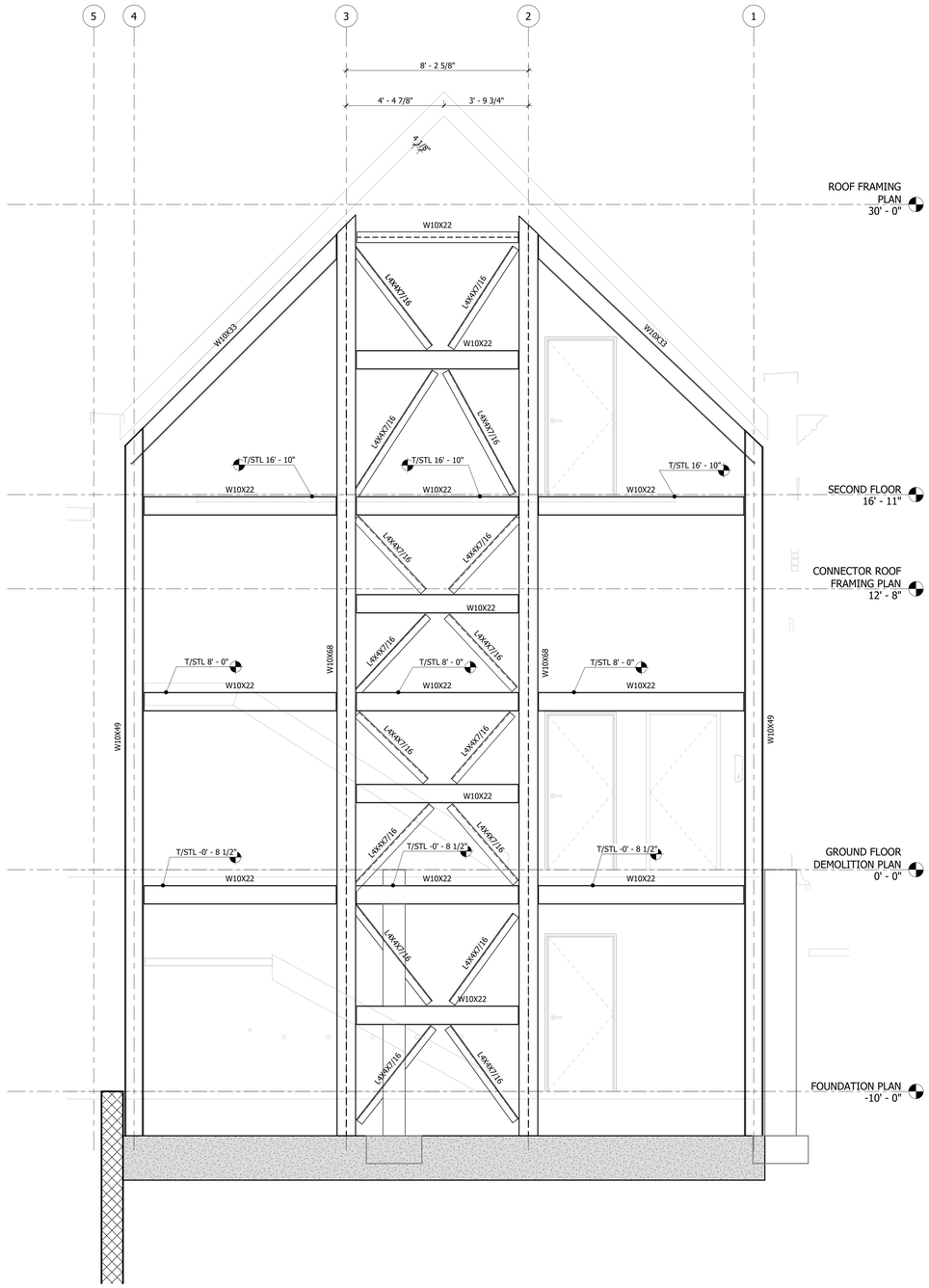
JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S4.2

Plotted on: 2/9/2026 2:37:43 PM



1 FRAME ELEVATION IN STAIR 110
3/8" = 1'-0" S1.1



2 FRAME ELEVATION IN STAIR 110
3/8" = 1'-0" S1.1

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CITY OF WINCHESTER, TENNESSEE

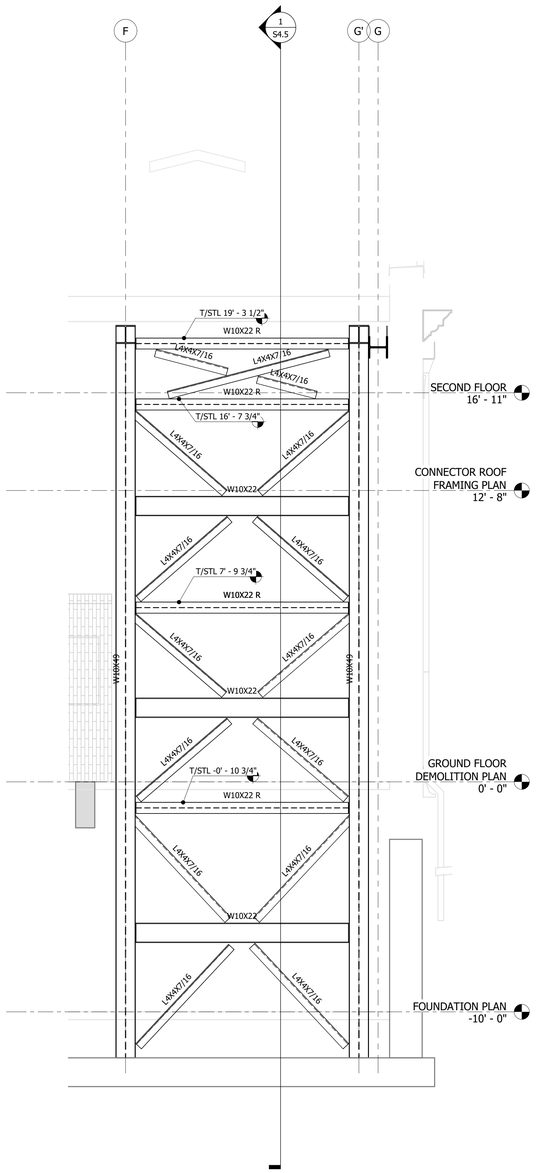
No.	Revision Description	Date

FRAME ELEVATIONS IN STAIR 110

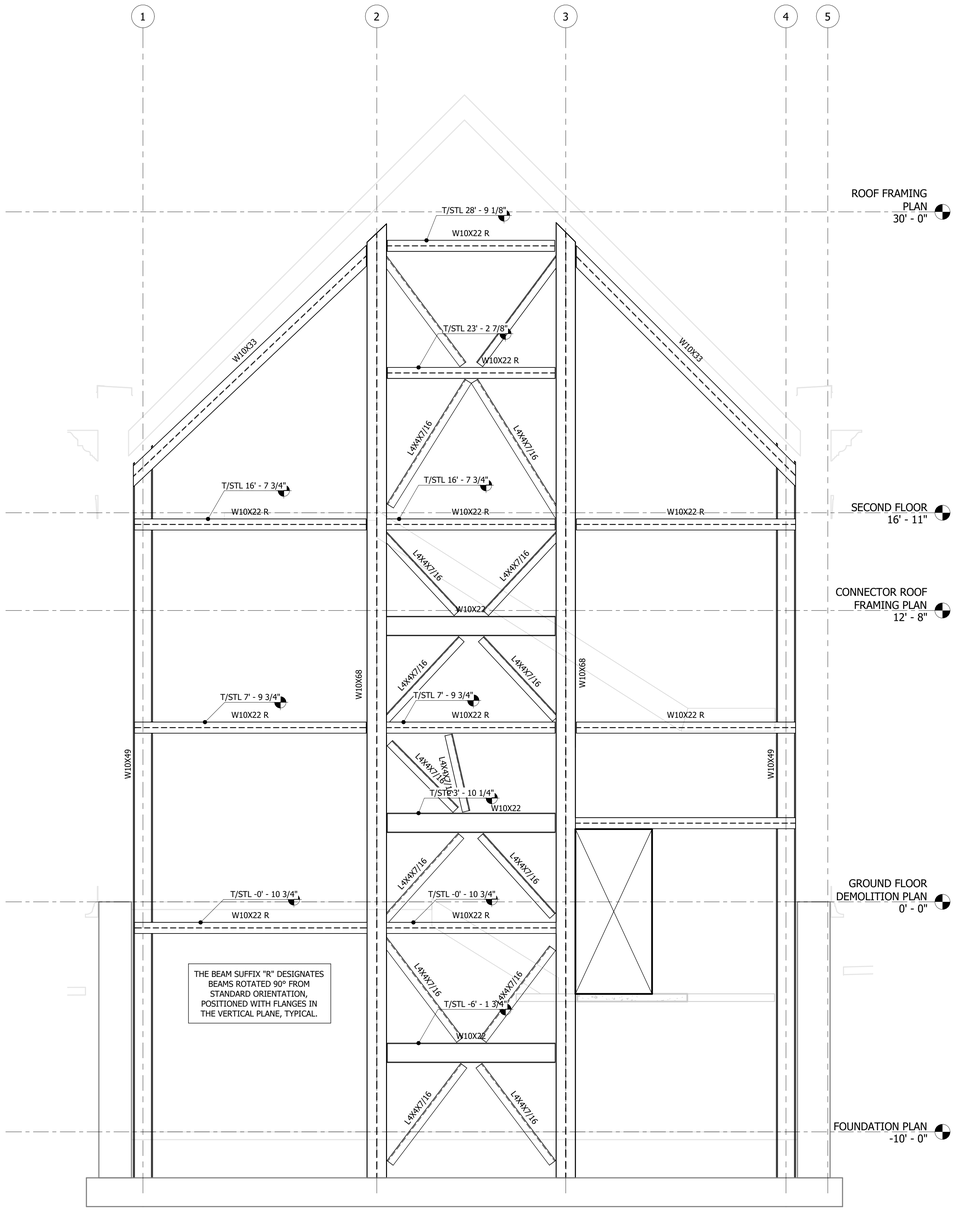
JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S4.3

Plotted on: 2/9/2026 2:37:44 PM



1 FRAME ELEVATION IN STAIR 110
3/8" = 1'-0" S1.1



2 FRAME ELEVATION IN STAIR 110
3/8" = 1'-0" S1.1

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1-7-26

WINCHESTER CITY HALL

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WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

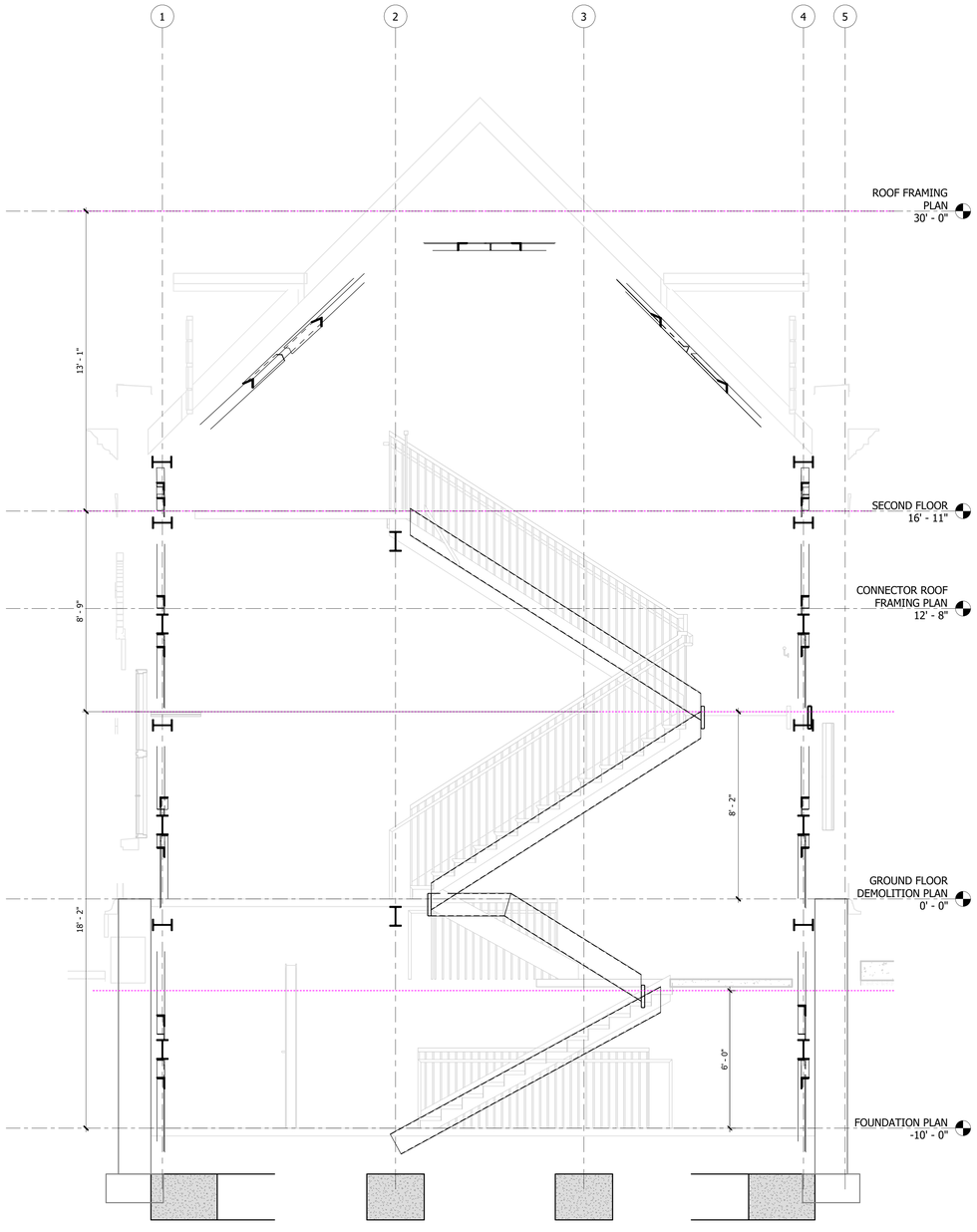
No.	Revision Description	Date

FRAME ELEVATIONS IN STAIR 110

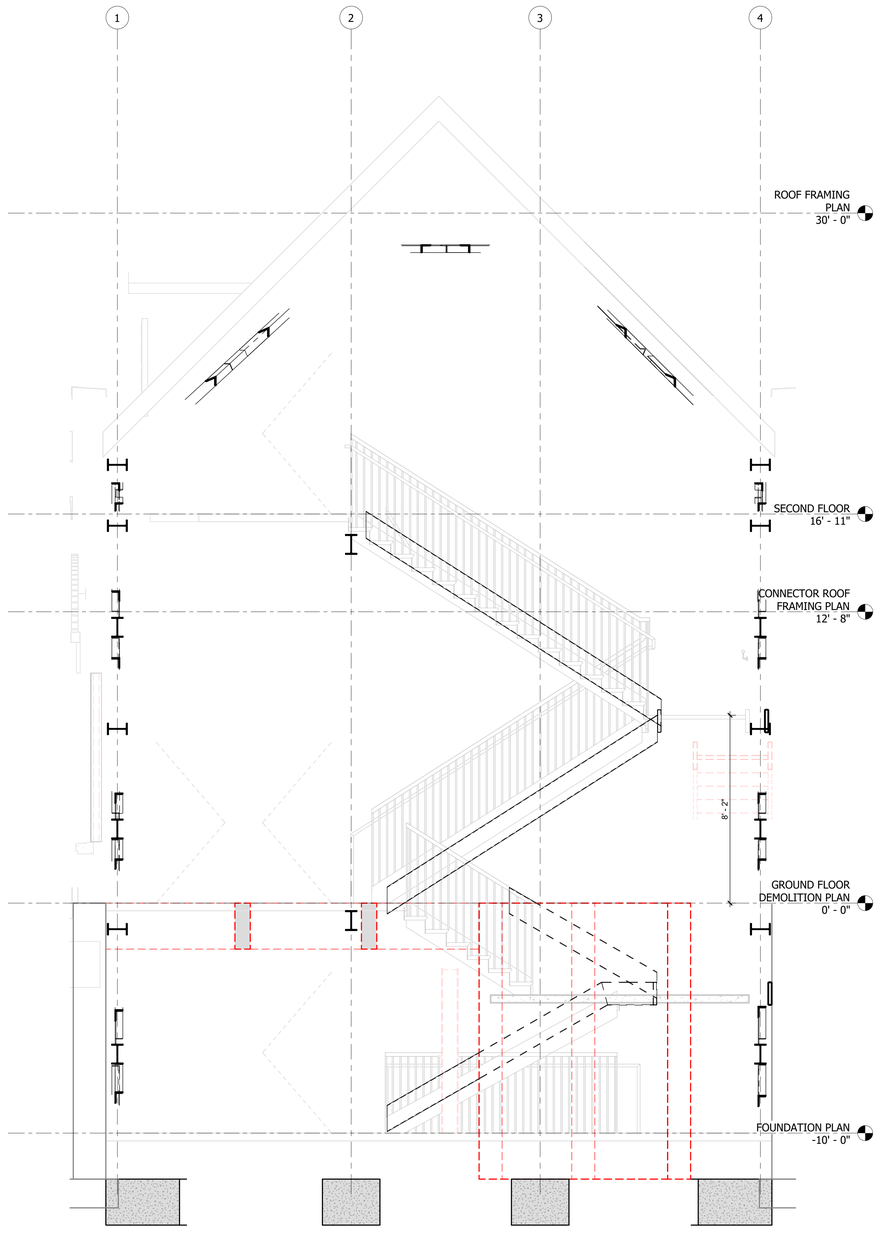
JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S4.4

Plotted on: 2/9/2026 2:37:45 PM



2 SECTION THRU STAIR 101
3/8" = 1'-0" S1.1



1 SECTION THRU STAIR 108
3/8" = 1'-0" S1.1

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1-7-26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
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CITY OF WINCHESTER, TENNESSEE

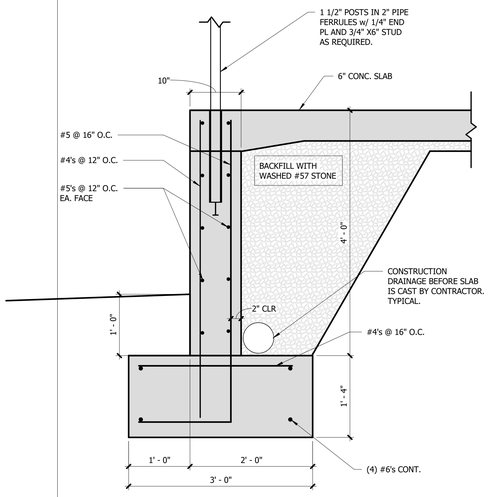
No.	Revision Description	Date

BUILDING SECTIONS

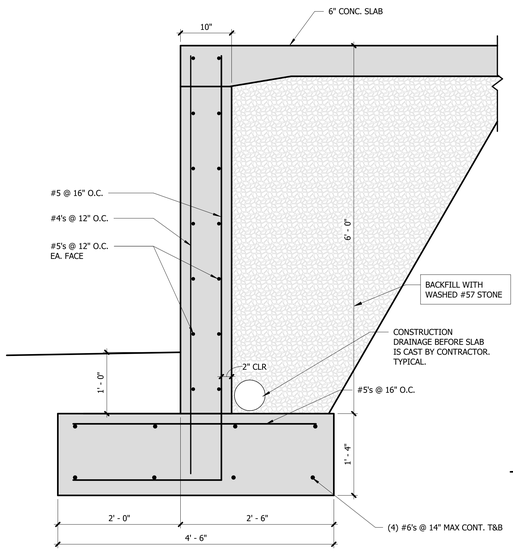
JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S4.5

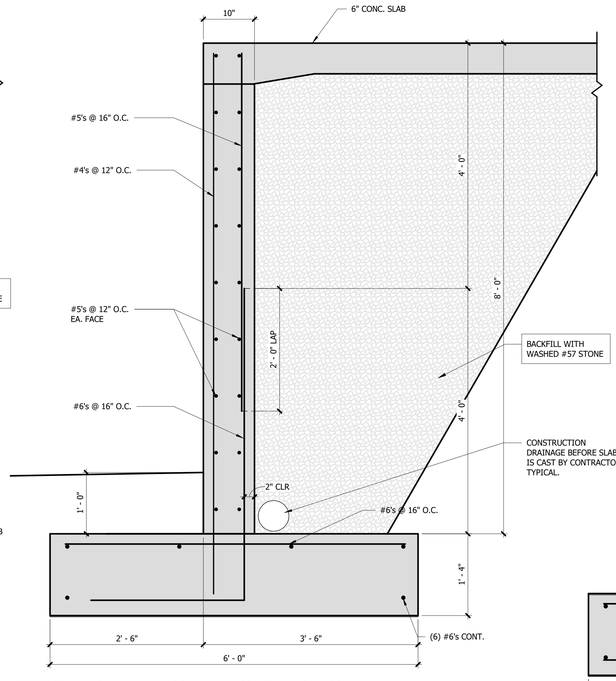
Plotted on: 2/9/2026 2:37:47 PM



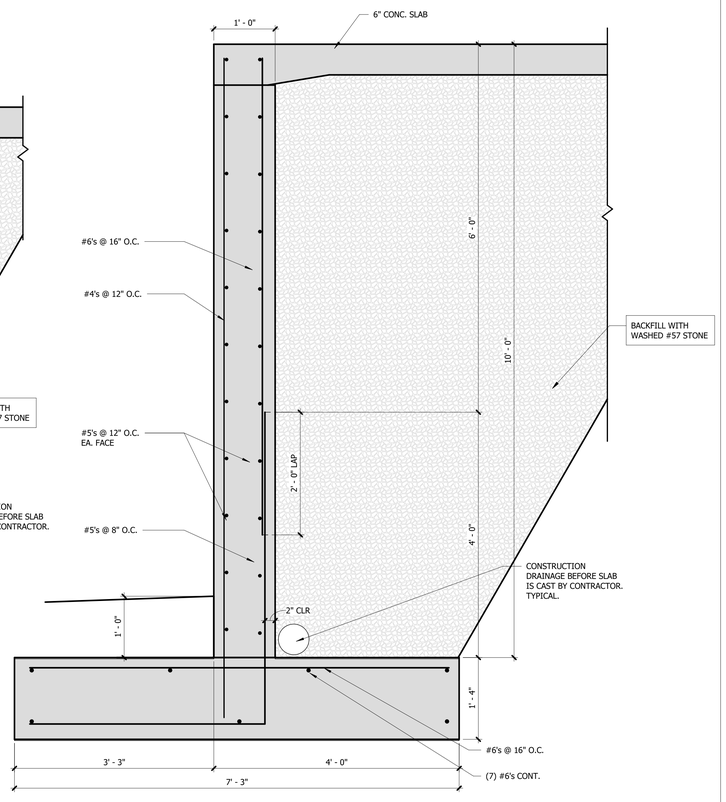
1 4 FT RETAINING WALL @ BUILDING
1" = 1'-0"



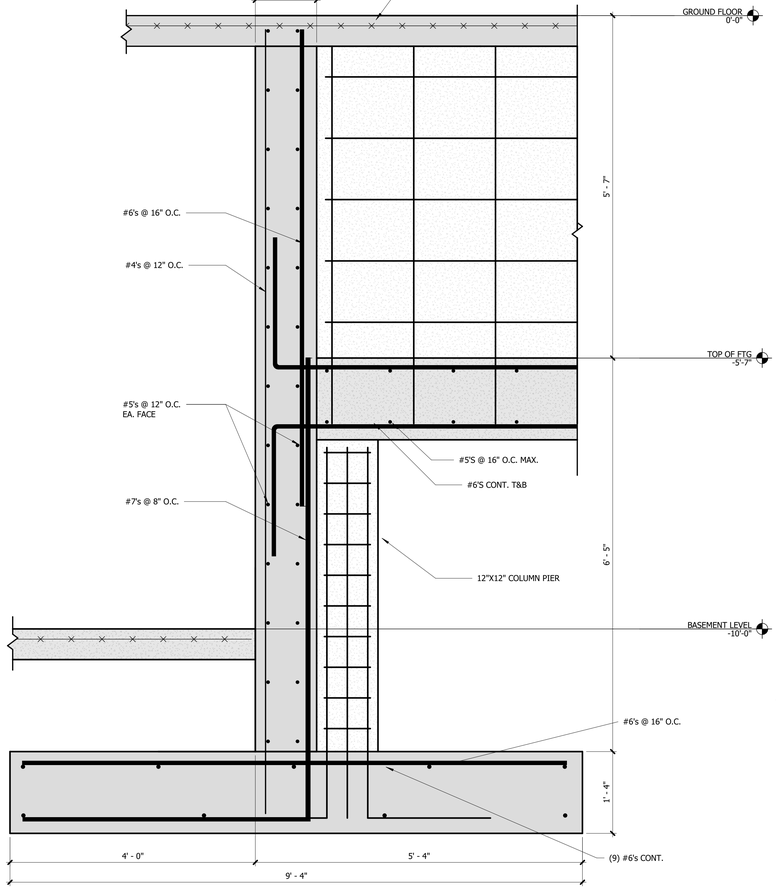
2 6 FT RETAINING WALL @ BUILDING
1" = 1'-0"



3 8 FT RETAINING WALL @ BUILDING
1" = 1'-0"

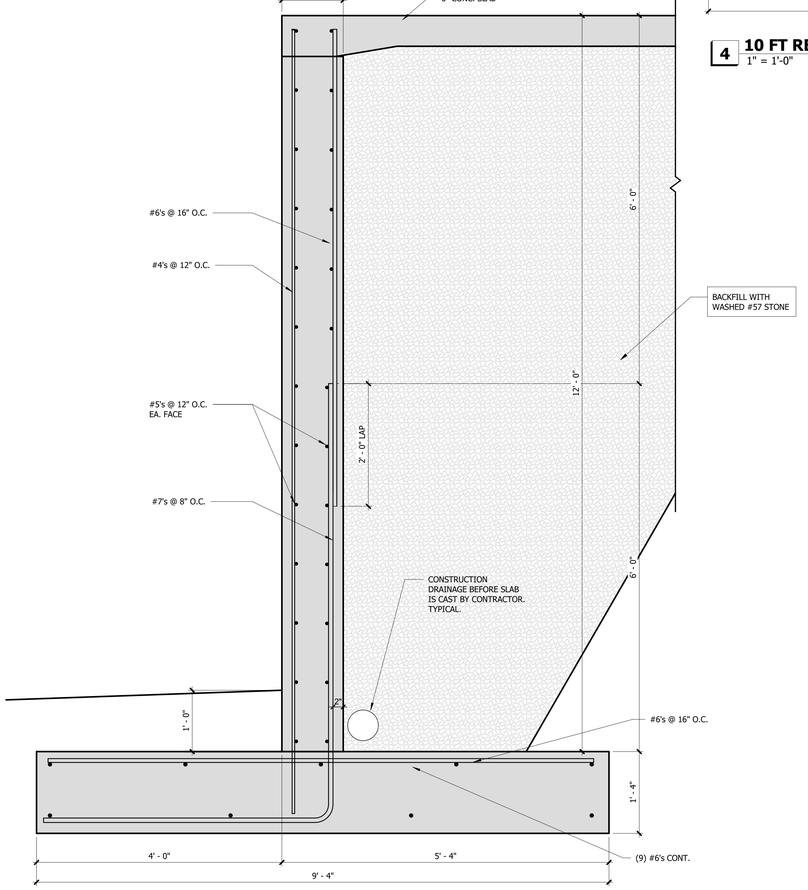


4 10 FT RETAINING WALL @ BUILDING
1" = 1'-0"



5 RETAINING WALL INTERSECTION
1" = 1'-0"

S1.1



6 12 FT RETAINING WALL @ BUILDING
1" = 1'-0"

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

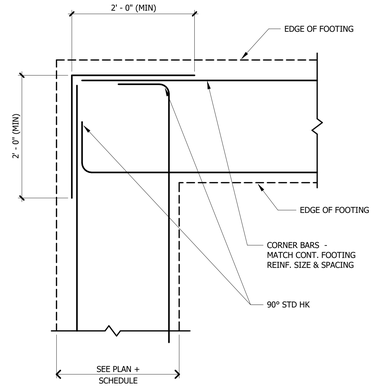
No.	Revision Description	Date

RETAINING WALLS

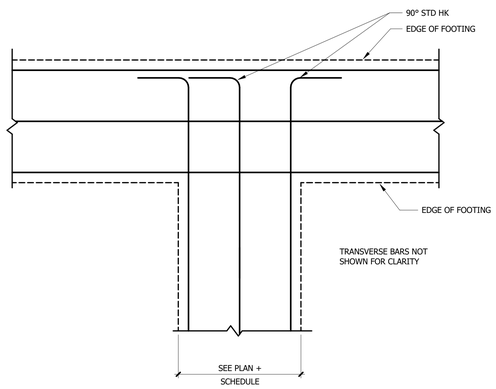
JOB NO: 63492 DRAWN: DCR
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

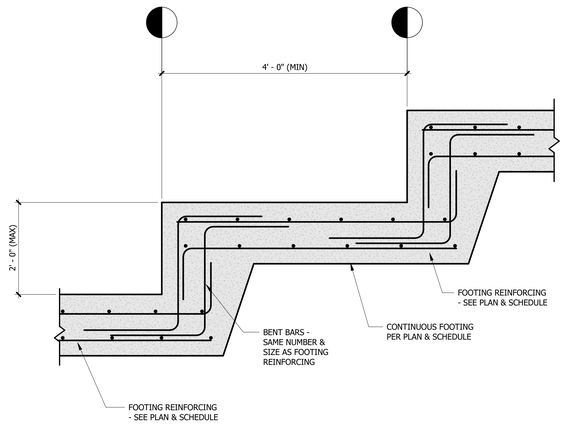
S4.6

Plotted on: 2/9/2026 2:37:48 PM

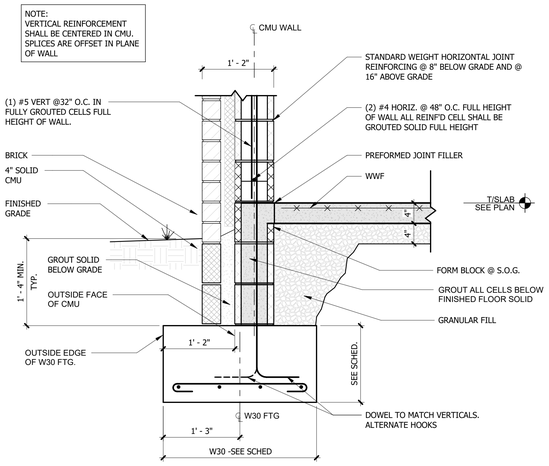


1 TYPICAL CONTINUOUS FOOTING INTERSECTION DETAIL
1" = 1'-0"

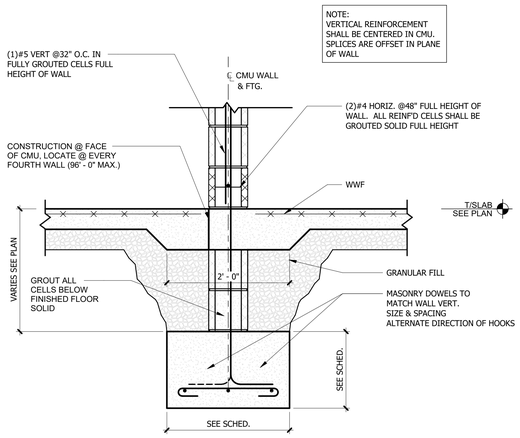


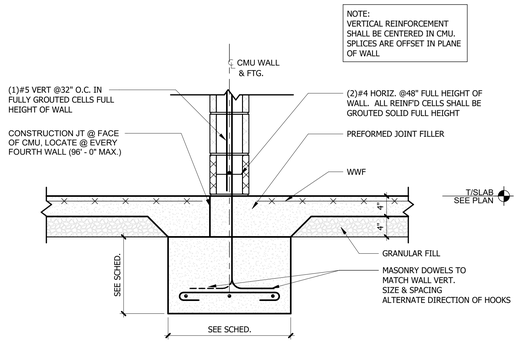


2 TYPICAL FOOTING STEP DETAIL
1" = 1'-0"



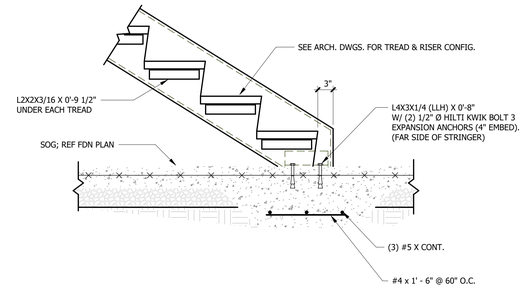
3 SECTION AT EXTERIOR CMU WALL FOOTING
1" = 1'-0"





4 SECTION AT INTERIOR CMU SHEAR WALL @ FTG. STEPS
1" = 1'-0"

5 SECTION AT INTERIOR CMU SHEAR WALL
1" = 1'-0"

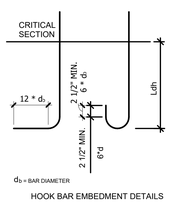


6 SECTION AT STAIR
1" = 1'-0"

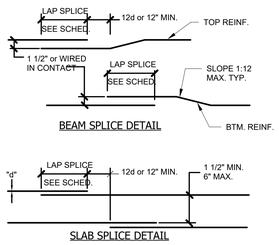
DEVELOPMENT / SPLICE LENGTH (in) 3000 PSI NW CONCRETE			
	SPLICE LENGTH	DEVELOPMENT LENGTH	HOOK DEVELOPMENT LENGTH
#3	23"	17"	6"
#4	29"	22"	9"
#5	37"	28"	13"
#6	43"	33"	17"
#7	63"	48"	21"
#8	72"	55"	25"
#9	81"	62"	30"
#10	91"	70"	36"
#11	102"	78"	42"

DEVELOPMENT / SPLICE LENGTH (in) 5000 PSI NW CONCRETE			
BAR SIZE	SPLICE LENGTH	DEVELOPMENT LENGTH	HOOK DEVELOPMENT LENGTH
#3	17"	13"	6"
#4	23"	17"	7"
#5	29"	22"	10"
#6	34"	26"	13"
#7	50"	38"	16"
#8	56"	43"	20"
#9	63"	48"	24"
#10	71"	54"	28"
#11	78"	60"	33"

DEVELOPMENT / SPLICE LENGTH (in) 3000 PSI LW CONCRETE			
BAR SIZE	SPLICE LENGTH	DEVELOPMENT LENGTH	HOOK DEVELOPMENT LENGTH
#3	18"	14"	6"
#4	23"	18"	8"
#5	29"	22"	11"
#6	35"	27"	14"
#7	50"	39"	18"
#8	57"	44"	22"
#9	65"	50"	26"
#10	77"	59"	31"
#11	95"	73"	36"

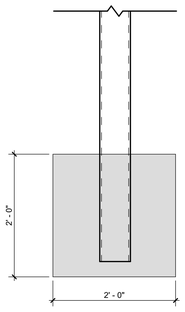


HOOK BAR EMBEDMENT DETAILS

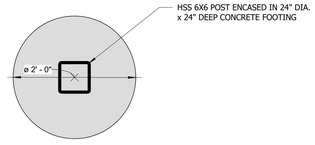


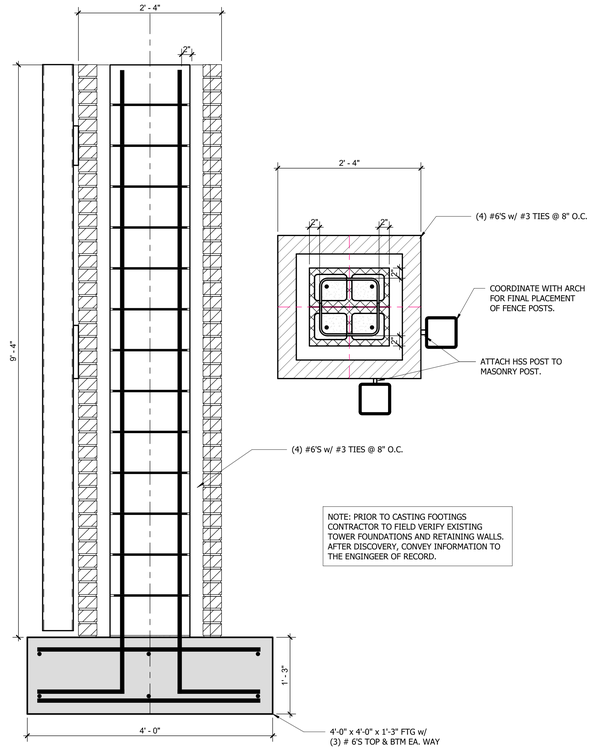
BEAM SPLICE DETAIL

SLAB SPLICE DETAIL



8 HSS FENCE POST FOUNDATION
1" = 1'-0"





NOTE: PRIOR TO CASTING FOOTINGS CONTRACTOR TO FIELD VERIFY EXISTING TOWER FOUNDATIONS AND RETAINING WALLS. AFTER DISCOVERY, CONVEY INFORMATION TO THE ENGINGEER OF RECORD.

7 MASONRY FENCE POST
1" = 1'-0"

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No.	Revision Description	Date

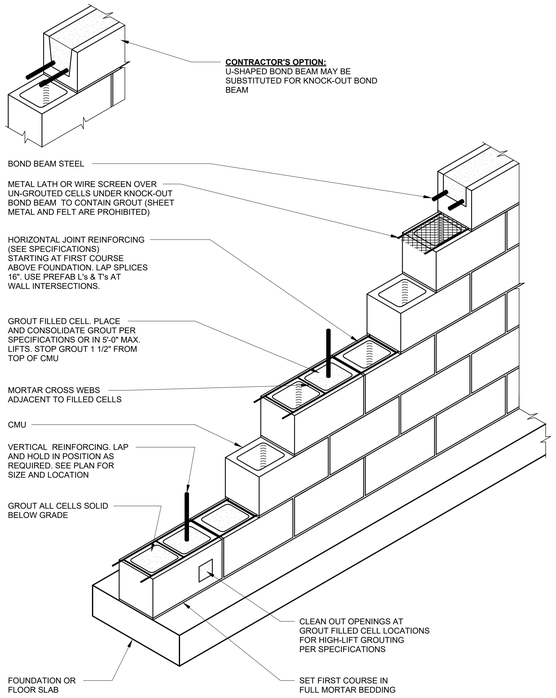
MISCELLANEOUS DETAILS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S5.1

Plotted on: 2/9/2026 2:37:49 PM

1 TYPICAL CMU WALL CONSTRUCTION
1" = 1'-0"



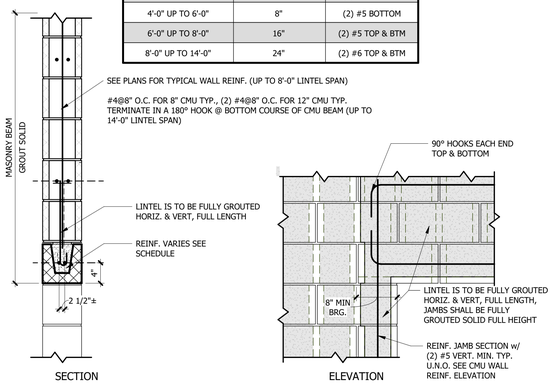
NOTE:
SEE STRUCTURAL NOTES AND DETAILS FOR REINFORCEMENT SIZE AND SPACING.

CONCRETE MASONRY UNIT WALL REINFORCING LAP LENGTH SCHEDULE		
TENSION OR COMPRESSION LAP SPLICE LENGTHS, (INCHES) FOR GRADE 60 (2) UNCOATED BARS (3); MASONRY		
	LAP LENGTH	
BAR SIZE (4)	CASE A (5)	CASE B (5)
#3	15	27
#4	20	36
#5	25	45
#6	30	54
#7	35	63
#8	40	72
#9	46	82

NOTES:

1. LAP SPLICE LENGTHS ARE BASED ON SECTION 2107 OF THE BUILDING CODE.
2. MULTIPLY ABOVE LAP LENGTHS BY 1.25 FOR GRADE 75 REINFORCING STEEL.
3. MULTIPLY ABOVE LAP LENGTHS BY 1.50 FOR EPOXY COATED BARS.
4. REINFORCEMENT LARGER THAN #9 SHALL BE SPLICED USING MECHANICAL CONNECTIONS.
5. USE CASE B UNLESS NOTED OTHERWISE ON PLANS OR DETAILS.

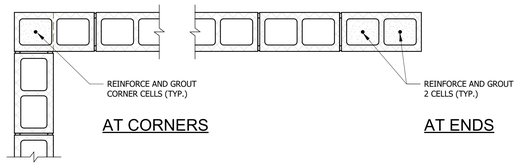
STANDARD LINTEL SCHEDULE		
OPENING WIDTH	LINTEL DEPTH	REMARKS
UP TO 4'-0"	8"	(2) #4 BOTTOM
4'-0" UP TO 6'-0"	8"	(2) #5 BOTTOM
6'-0" UP TO 8'-0"	16"	(2) #5 TOP & BTM
8'-0" UP TO 14'-0"	24"	(2) #6 TOP & BTM

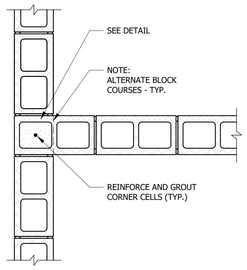


6 TYPICAL MASONRY LINTEL SCHEDULE FOR 8", 10", & 12" CMU
1" = 1'-0"

CMU WALL OPENING REINFORCEMENT SCHEDULE	
OPENING WIDTH "W"	VERTICAL REINFORCEMENT (EACH SIDE)
UP TO 6'-0"	2 BARS TO MATCH TYPICAL WALL REINFORCING
6'-0" TO 8'-0"	3 BARS TO MATCH TYPICAL WALL REINFORCING
8'-0" TO 12'-0"	4 BARS TO MATCH TYPICAL WALL REINFORCING

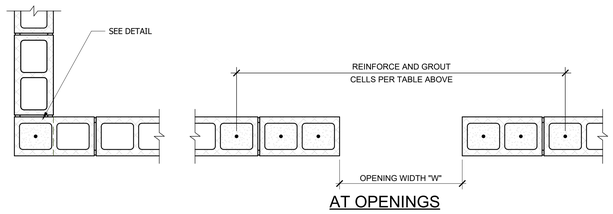
2 TYP. REINF. AT NLB CMU WALL CORNERS, ENDS, INTERSECTIONS & OPENINGS
1" = 1'-0"





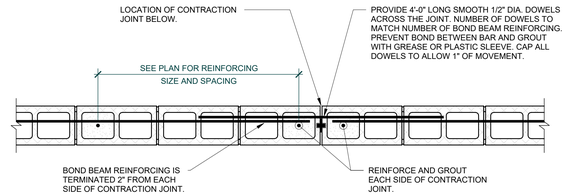
AT INTERSECTIONS

NOTE:
REINFORCING SIZE SHALL MATCH ADJACENT WALL REINFORCING. FOR UNREINFORCED WALLS, USE #4 BARS. PROVIDE MATCHING FOUNDATION DOWELS, U.N.O.

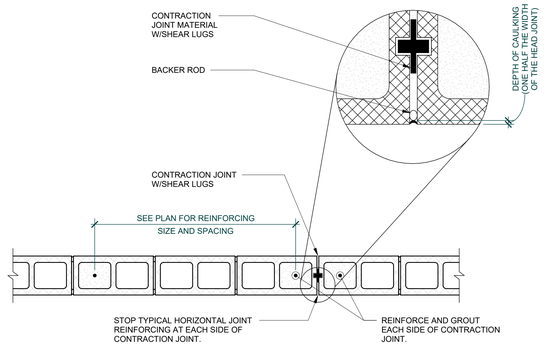


AT OPENINGS

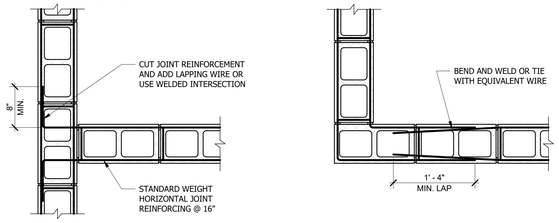
3 TYPICAL CONTRACTION JOINT DETAILS
1" = 1'-0"

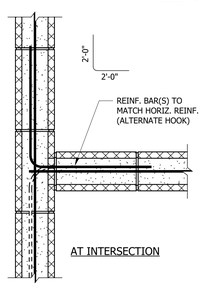


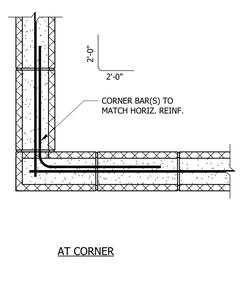
BOND BEAM REINFORCING AT CONTRACTION JOINT



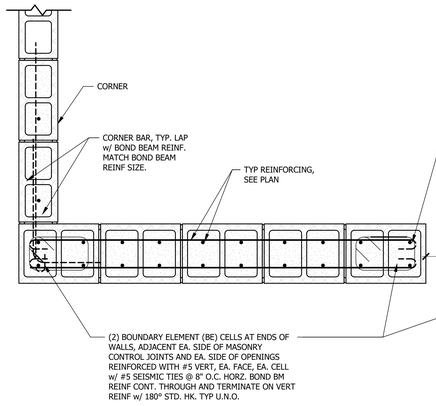
WALL REINFORCING AT CONTRACTION JOINT



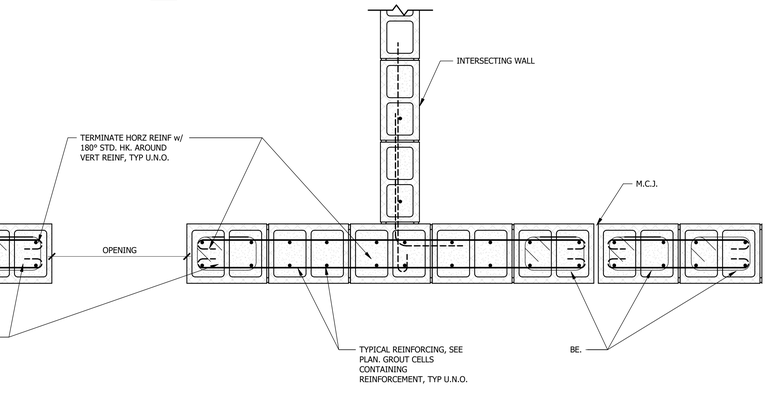




4 JOINT REINF. AT INTERSECTING CMU WALLS
1" = 1'-0"



5 BOND BEAM REINF. AT INTERSECTING CMU WALL
1" = 1'-0"



NOTE:
AT PIERS BTWN OPENINGS AT END OF WALLS AND EA. SIDE OF M.C.J. HAVING A LENGTH LESS THAN 4'-8", REINFORCE THE HEIGHT OF OPENING w/ #5 @ 8" O.C. VERT & #5 @ 8" O.C. HORZ., TYPICAL REINFORCING.

7 TYPICAL 12" SRMSW DETAIL
1" = 1'-0"

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

MISCELLANEOUS DETAILS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S5.2

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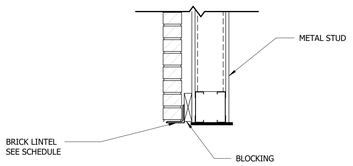
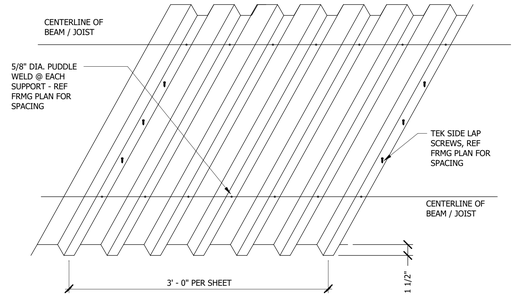
LINTEL ANGLE SCHEDULE		
OPENING WIDTH	ANGLE SIZE	REMARK
0'-0" TO 4'-0"	L3 1/2x3 1/2x1/4	LOOSE
4'-1" TO 8'-0"	L5x3 1/2x1/4 (LLV)	LOOSE

NOTE:
1. 8" MIN. BEARING EACH END - TYP.
2. SEE ARCHITECT FOR BLOCKING, IF REQUIRED.

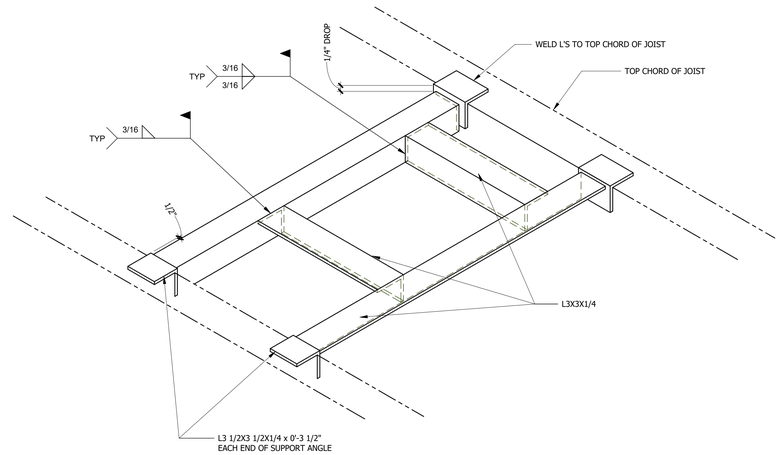


1 BRICK LOOSE LINTEL DETAIL
1" = 1'-0"



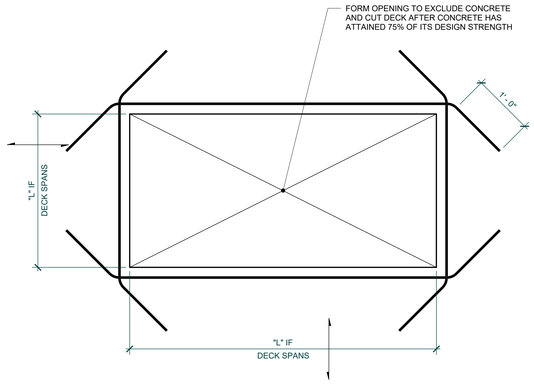
NOTES:
1. WELD DECK EDGE TO SUPPORTS WITH 5/8" DIA. PUDDLE WELD (REFERENCE FRAMING PLAN FOR SPACING).
2. LAP DECK 2" MINIMUM.
3. USE 1 ½" TYPE B ROOF DECK (REFERENCE FRAMING PLAN FOR GAGE).

2 TYPICAL ROOF DECK ATTACHMENT DETAIL
1" = 1'-0"



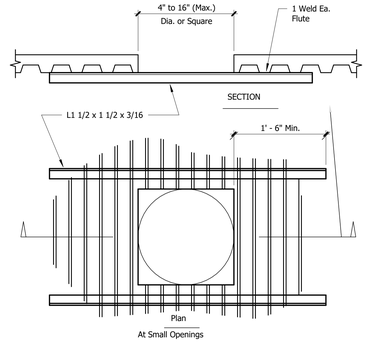
3 TYPICAL ROOF OPENING LARGER THAN (16"Ø or SQUARE)
1" = 1'-0"

FLOOR OPENING SCHEDULE	
"L"	REINFORCEMENT
TO 10"	NO ADDITIONAL REINFORCING REQUIRED
10" TO 16"	2#5
16" TO 24"	2#6
24" TO 30"	2#7
OVER 30"	REQUIRES STRUCTURAL STEEL FRAME
"L" IS MEASURED AT RIGHT ANGLE TO FLOOR DECK SPAN.	

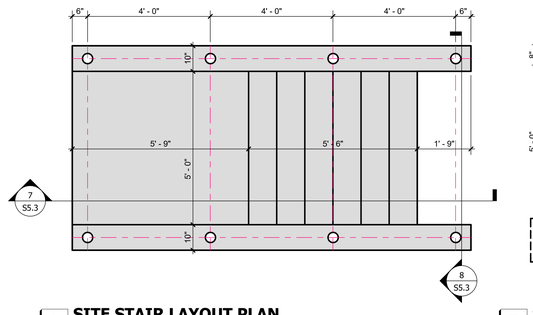


NOTE:
FOR MULTIPLE OPENINGS, SPACE OPENINGS A MINIMUM OF "L" APART OR CONSULT ENGINEER.

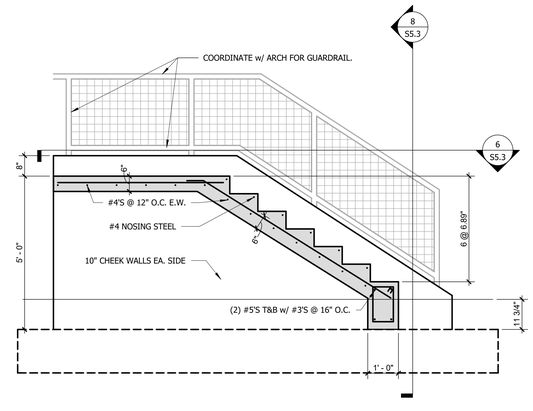
4 TYPICAL FLOOR OPENING REINFORCING DETAIL
1" = 1'-0"



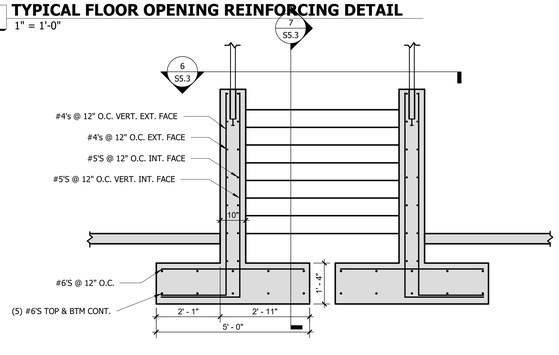
5 TYPICAL ROOF OPENING (4" TO 16"Ø OR SQUARE)
1" = 1'-0"



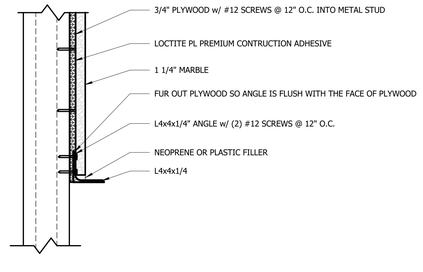
6 SITE STAIR LAYOUT PLAN
1/2" = 1'-0" S5.3



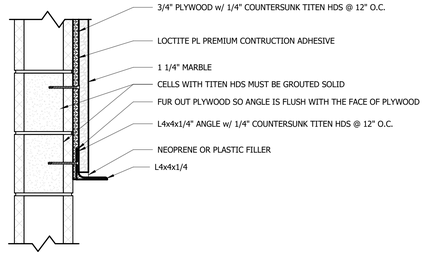
7 SECTION THRU SITE STAIR
1/2" = 1'-0" S5.3



8 SECTION THRU SITE STAIR
1/2" = 1'-0" S5.3



9 MARBLE MOUNTING ASSEMBLY @ CFS STUDS
1 1/2" = 1'-0"



10 MARBLE MOUNTIUNG ASSEMBLY @ CMU WALL
1 1/2" = 1'-0"

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No.	Revision Description	Date

MISCELLANEOUS DETAILS

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

S5.3

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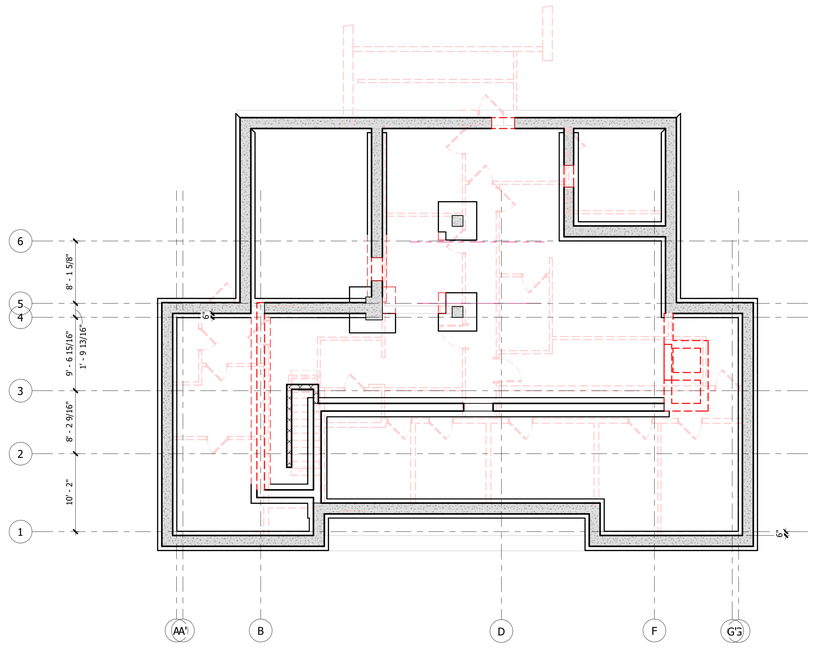
EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.



1 BASEMENT DEMOLITION PLAN
1/8" = 1'-0" S3.4

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EXISTING BASEMENT DEMOLITION PLAN

JOB NO: 63492 DRAWN: JTS
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SD1.1

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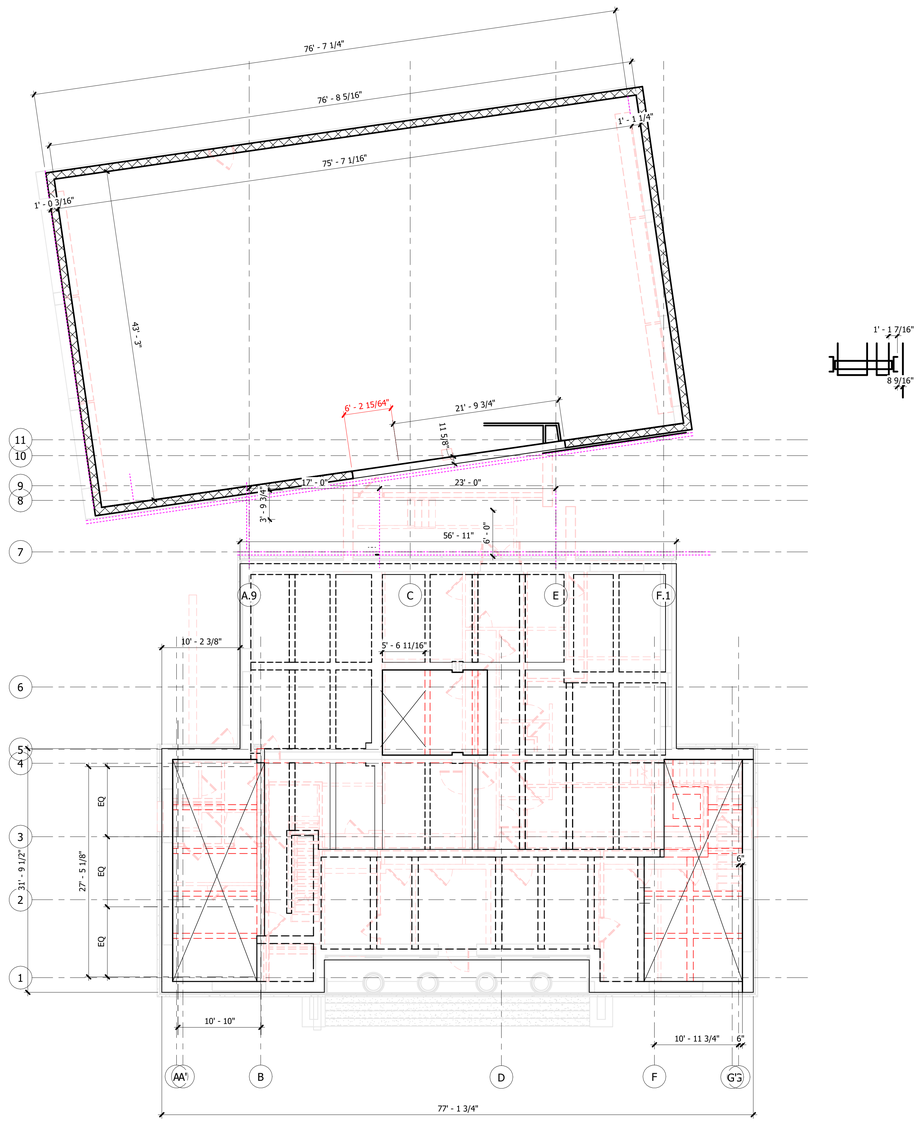

EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.

1 GROUND FLOOR DEMOLITION PLAN
1/8" = 1'-0" S3.4

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EXISTING GROUND FLOOR DEMOLITION PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

SD1.2

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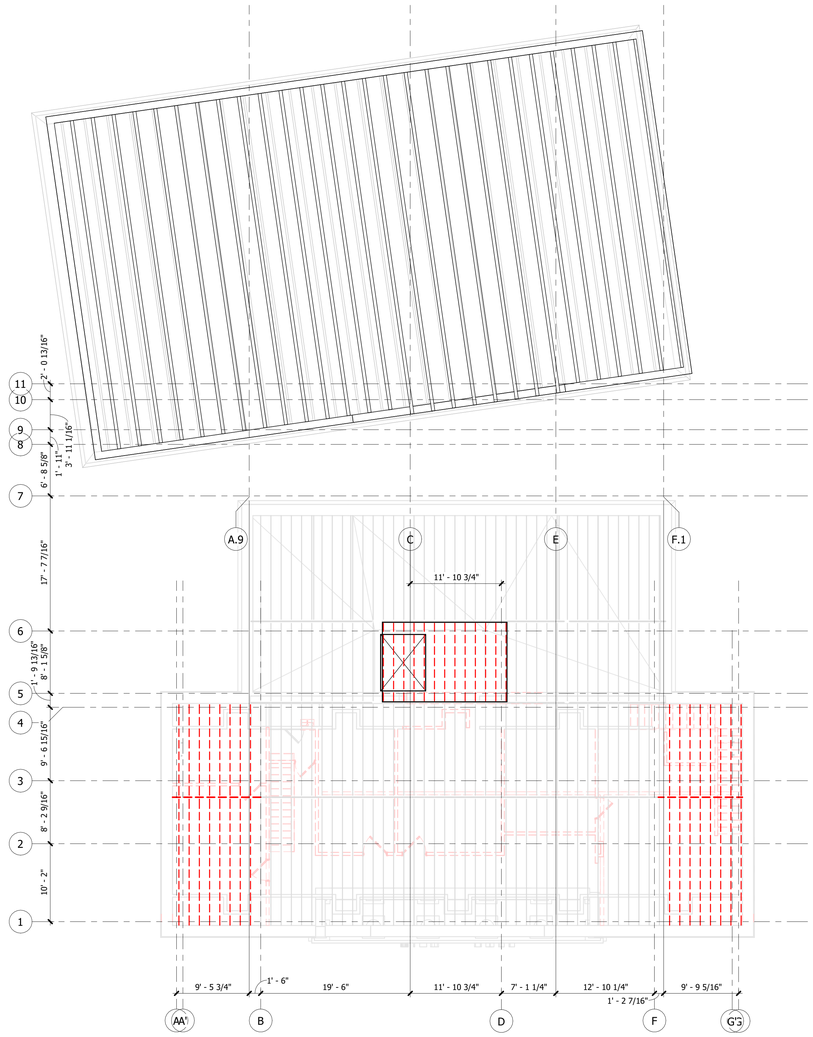

EXISTING BRICK REUSE NOTE

1. SALVAGE EXISTING BRICK DURING DEMOLITION. AVOID DAMAGE WHERE POSSIBLE.
2. REMOVE MORTAR AND STOCKPILE SALVAGED BRICK FOR REUSE AT EXISTING OPENINGS TO BE INFILLED.
3. MAINTAIN SEPARATE STOCKPILES BY SOURCE BUILDING DUE TO POTENTIAL VARIATIONS IN BRICK CHARACTERISTICS BETWEEN ORIGINAL CONSTRUCTION AND ADDITIONS.
4. CONTRACTOR SHALL USE TYPE "O" MORTAR FOR ALL SALVAGED BRICK INSTALLATION.

1 SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0" S3.4

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SECOND FLOOR DEMOLITION PLAN

JOB NO: 63492 DRAWN: JTS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

SD1.3

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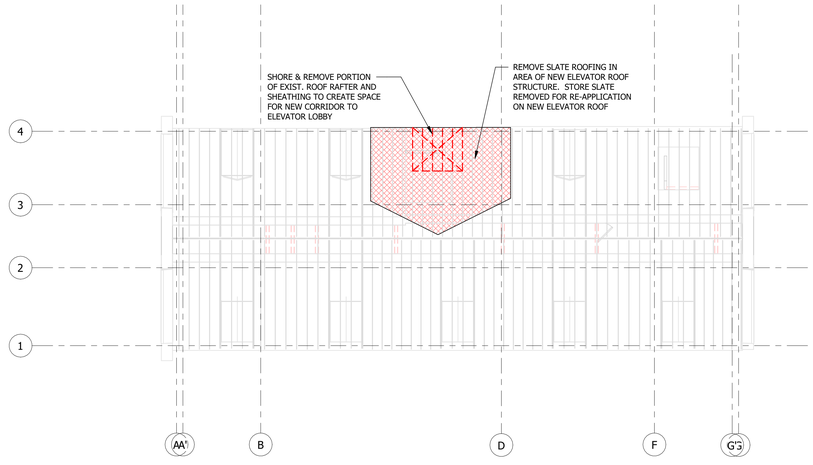

1 ROOF DEMOLITION PLAN
1/8" = 1'-0" S4.1

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ROOF DEMOLITION PLAN

JOB NO: 63492 DRAWN: JTS
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SD1.4

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ABBREVIATIONS

ABBREVIATION	MEANING
AB	ABOVE
ACD	AUTOMATIC CONTROL DAMPER
ACM	ASBESTOS CONTAINING MATERIAL
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW METER
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHAP	AS HIGH AS POSSIBLE
AHU	AIR HANDLING UNIT
AMP	AMPERE
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
ARCH	ARCHITECTURAL
ASSOC	ASSOCIATED
ATC	AUTOMATIC TEMPERATURE CONTROL
ATM	ATMOSPHERE
BDD	BACK-DRAFT DAMPER
BEL	BELOW
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BTU	BRITISH THERMAL UNIT
BTUH or BTU/H	BTU PER HOUR
CAI	COMBUSTION AIR INTAKE
CAV	CONSTANT AIR VOLUME
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CH	CHILLED OR CHILLER
CHW	CHILLED WATER
CL	CENTER LINE
CLG	CEILING
CLG	COOLING OR CEILING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
CONN	CONNECT(ION)
COP	COEFFICIENT OF PERFORMANCE
CP	CHROME PLATED
CPVC	CHLORINATED POLYVINYL CHLORIDE
CT	COOLING TOWER
CTBD	COOLING TOWER BLOW DOWN
CU	CONDENSING UNIT
DB	DRY BULB (TEMPERATURE)
DDC	DIRECT DIGITAL CONTROL
DEG	DEGREE
DEMO	DEMOLITION OR DEMOLISH
DIA	DIAMETER
DIM	DIMENSION
DIS	DISCHARGE
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EC(M)	ELECTRONICALLY COMMUTATED (MOTOR)
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
ELEC	ELECTRICAL
ELEV	ELEVATION
EMER	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
ENT	ENTERING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERNAL
F	FAHRENHEIT
F&T	FLOAT & THRMOSTATIC
FA	FREE AREA OR FIRE ALARM
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN, OR FIRE DEPARTMENT
FD	FIRE DAMPER
FFE	FINNISHED FLOOR ELEVATION
FHC	FIRE HOSE CABINET
FHV	FIRE HOSE VALVE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FP	FIRE PROTECTION
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRP	FIBERGLASS REINFORCED PLASTIC
FS	FLOW SWITCH
FT	FEET
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZED
GCO	GRADE CLEANOUT
GFU	GLYCOL FEED UNIT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIB (CONNECTION)
HD	HEAD OR HUB DRAIN
HG	HOT GAS (REFRIGERANT)
HORIZ	HORIZONTAL
HP	HORSEPOWER OR HIGH POINT
HR	HOUR
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HTG	HEATING
HZ	HERTZ (CYCLES PER SECOND)
ID	INSIDE DIAMETER
IN	INCHES
IPLV	INTEGRATED PART LOAD VALUE
KW	KILOWATT

ABBREVIATIONS

ABBREVIATION	MEANING
LAT	LEAVING AIR TEMPERATURE
LB	POUND
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LP	LOW POINT
LPS	LOW PRESSURE STEAM
LRA	LOCKED ROTOR AMPS
LVDR	LOUVERED DOOR
LVG	LEAVING
LVR	LOUVER
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPS
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MMBTU	1,000,000 BTU
MUA	MAKE-UP AIR
MUW	MAKE-UP WATER
MZ	MULTI-ZONE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN OR NITROUS OXIDE
NOM	NOMINAL
NPLV	NONSTANDARD PARD LOAD VALUE
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
OC	ON CENTER
OD	OUTSIDE DIAMETER
ODP	OPEN DRIP PROOF
OPD	OPPOSED BLADE DAMPER
OPP	OPPOSITE
OV	OUTLET VELOCITY
PCF	POUNDS PER CUBIC FOOT
PD	PRESSURE DROP
PH	PHASE
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
PSID	POUNDS PER SQUARE INCH - DIFFERENTIAL
PSIG	POUNDS PER SQUARE INCH - GAUGE
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
R	RADIUS
RAD	RADIATED
REQD	REQUIRED
RH	RELATIVE HUMIDITY
RLA	RUNNING LOAD AMPS
ROW	REVERSE OSMOSIS WATER
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF-TOP UNIT
SAD	SUPPLY AIR DUCT OR DIFFUSER
SAG	SUPPLY AIR GRILLE
SCR	SEMICONDUCTOR CONTROLLED RECTIFIER
SD	SMOKE DETECTOR OR SMOKE DAMPER OR STORM DRAIN
SDO	STORM DRAIN OVERFLOW
SE	SMOKE EXHAUST
SECT	SECTION
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SEN	SENSIBLE
SF	SQUARE FEET
SFD	COMBINATION SMOKE / FIRE DAMPER
SHC	SENSIBLE HEAT CAPACITY
SIM	SIMILAR
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SR	SAFETY RELIEF
SS	STAINLESS STEEL OR SANITARY SEWER
STRUCT	STRUCTURAL
SUP	SUPPLY
SZ	SINGLE ZONE
T	TEMPERATURE OR THERMOSTAT
TAB	TESTING, ADJUSTING, & BALANCING
TEFC	TOTALLY ENCLOSED FAN COOLED
TEMP	TEMPERATURE
TON	12,000 BTUH (COOLING CAPACITY)
TSP	TOTAL STATIC PRESSURE
TSTAT	THERMOSTAT
TYP	TYPICAL
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VAC	VACCUM
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VTR	VENT THROUGH ROOF
WB	WET BULB (TEMPERATURE)
WC	WATER COLUMN
WCO	WALL CLEANOUT
WG	WATER GAUGE
WPD	WATER PRESSURE DROP

GENERAL SYMBOLS

SUPPLY DIFFUSER

RETURN DIFFUSER

EXHAUST DIFFUSER

AIR TERMINAL TAG — # NECK SIZE / CFM

SUPPLY AIR FLOW AND DIRECTION

RETURN/EXHAUST AIR FLOW AND DIRECTION

SIDEWALL GRILLE

APPROXIMATE CONNECTION POINT OF NEW TO EXISTING

APPROXIMATE DISCONNECTION POINT OF EXISTING

KEYNOTE — #

ENLARGED PLAN OR DETAIL CALL OUT TAG — DETAIL # / SHEET # — TYP, SIM, OF OPP

SECTION TAG — DETAIL # / SHEET #

ELEVATION TAG — DETAIL # / SHEET # / DETAIL #

3D VIEW TAG / RISER CALLOUT — DETAIL # / SHEET #

CLEARANCE LINEWORK

DEMO LINEWORK

EXIST LINEWORK

NEW LINEWORK

DUCTWORK

OVAL — 12"/8"

RECTANGULAR — 12"x8"

ROUND — 12"ø

FLEXIBLE

DUCT INSULATION (IF SHOWN)

SUPPLY, OUTSIDE, OR COMBUSTION AIR UP — OR

RETURN, RELIEF, OR TRANSFER AIR UP — OR

EXHAUST UP — OR

SUPPLY, OUTSIDE, OR COMBUSTION AIR DOWN — OR

RETURN, RELIEF, OR TRANSFER AIR DOWN — OR

EXHAUST DOWN — OR

CONTINUATION — OR

RECTANGULAR ELBOW WITH TURNING VANES — OR

ROUND ELBOW — R=1.5xDIA. TYP.

OVAL ELBOW — R=1.5xDIA. TYP.

CONTROL DAMPER AUTOMATIC

BALANCING DAMPER MANUAL — OR

OPPOSED BLADE DAMPER

PARALLEL BLADE DAMPER

FIRE DAMPER — F

SMOKE DAMPER — S

EQUIPMENT DESIGNATIONS

AHU-1 — UNIT IDENTIFICATION NUMBER; INDICATES TYPE OF EQUIPMENT

ACC = AIR COOLED CHILLER
AFM = AIRFLOW MONITORING STATION
AHU = AIR HANDLING UNIT
CP = CONDENSATE PUMP
CU = CONDENSING UNIT
CUH = CABINET UNIT HEATER
CVR = CONSTANT VOLUME REHEAT
DOAS = DEDICATED OUTDOOR AIR SYSTEM
EF = EXHAUST FAN
ET = EXPANSION TANK
EUH = ELECTRIC UNIT HEATER
FCU = FAN COIL UNIT
FTR = FIN TUBE RADIATOR
GFF = GAS FIRED FURNACE
HP = HEAT PUMP
HRU = HEAT RECOVERY UNIT
HVLS = HIGH VOLUME LOW SPEED FAN
IU = INDOOR UNIT (MINI-SPLIT OR VRF)
IRH = INFRARED HEATER
KH = KITCHEN HOOD
MAU = MAKE UP AIR UNIT
OU = OUTDOOR UNIT (MINI-SPLIT OR VRF)
P = PUMP
PFC = PORTABLE FUME COLLECTOR
PKU = PACKAGED AIR CONDITIONING UNIT
PRV = PRESSURE REDUCING VALVE
RH = ROOF HOOD
RTU = ROOF TOP UNIT
UH = UNIT HEATER
VAV = VARIABLE AIR VOLUME TERMINAL UNIT
VVR = VARIABLE VOLUME REHEAT

DUCT SYSTEMS

SYSTEM	ABBREVIATION	EXIST	NEW
COMBUSTION AIR	CA		
EXHAUST AIR	EA		
FLUE GAS	FG		
OUTSIDE AIR	OA		
RELIEF AIR	RLF		
RETURN AIR	RA		
SUPPLY AIR	SA		
TRANSFER AIR	TA		

GENERAL NOTES

1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL NOT SCALE DRAWINGS AND SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
2. THIS IS A STANDARD LEGEND SHEET. THEREFORE SOME SYMBOLS OR ABBREVIATIONS MAY NOT BE UTILIZED IN THE DRAWINGS.
3. DUCT AND PIPING INSULATION MAY NOT ALWAYS BE MODELED OR SHOWN IN ALL VIEWS. CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR INSULATED SYSTEMS AND SIZING.
4. TRANSPARENCY OF OTHER ITEMS SHOWN IN SECTIONS, ELEVATIONS, AND 3D VIEWS MAY AFFECT COLOR RENDERING OF OBJECTS BEYOND. CONSULT ALL RELEVANT VIEWS TO CONFIRM DESIGN INTENT.
5. ISOMETRIC VIEWS ARE PROVIDED FOR REFERENCE ONLY AND ONLY INTENDED TO CONVEY GENERAL ARRANGEMENT. CONSULT ALL RELEVANT VIEWS TO CONFIRM DESIGN INTENT.
6. WHEN THE WORD "PROVIDE" IS USED IT MEANS TO FURNISH AND INSTALL.
7. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN FURRED CHASES OR SUSPENDED CEILING UNLESS OTHERWISE NOTED.
8. VERIFY LOCATION OF NEW EQUIPMENT AND APPURTENANCES.
9. COORDINATE THE HEATING, VENTILATION AND AIR CONDITIONING WORK WITH THE WORK OF ALL OTHER TRADES INVOLVED WITH THIS PROJECT.
10. ALL DUCT DIMENSIONS ARE NET INSIDE CLEAR DIMENSIONS MEASURED INSIDE BARE METAL OR DUCT LINER.
11. COORDINATE EXACT FLOOR PENETRATIONS OF DUCTS AND PIPES WITH STRUCTURE.
12. ACCESS PANELS IN SUSPENDED HARD CEILINGS ARE REQUIRED FOR ALL VALVES, DAMPERS, CONTROLS, ETC. AND SHALL BE FURNISHED AND INSTALLED UNDER ARCHITECTURAL SPECIFICATIONS. COORDINATE EXACT LOCATIONS WITH ARCHITECTURAL PLANS.
13. SEE ARCHITECTURAL CEILING PLAN FOR EXACT LOCATION OF CEILING AIR DEVICES. AIR DEVICE LOCATION ON MECHANICAL SHEETS ARE FOR QUANTITY AND REFERENCE.
14. PROVIDE FABRIC FLEXIBLE DUCT CONNECTION AT DUCTWORK CONNECTION TO ALL MECHANICAL EQUIPMENT.
15. ALL PIPING AND DUCTWORK TO BE CAPPED AT END OF RUN.
16. PROVIDE ISOLATION VALVES IN MAJOR PIPING BRANCHES.
17. PROVIDE FIRE/SMOKE DAMPERS AS REQUIRED. COORDINATE LOCATIONS WITH LIFE SAFETY PLAN.
18. ALL HVAC EQUIPMENT TO BE REMOVED SHALL BE COORDINATED WITH OWNER FOR POSSIBLE RE-USE.
19. PROVIDE MANUAL VOLUME DAMPERS FOR ALL AIR DEVICE RUNOUTS. PROVIDE ADDITIONAL MANUAL VOLUME DAMPERS IN DUCTWORK AS REQUIRED WHETHER INDICATED OR NOT FOR PROPER HVAC TESTING & BALANCING PURPOSES AT NO ADDITIONAL COST.
20. FIELD VERIFY EXISTING PIPING AND DUCTWORK DIMENSIONS AND LOCATIONS PRIOR TO START OF WORK.
21. CONTROLS TO BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED.
22. ALL EQUIPMENT SHALL BE LOCATED TO ALLOW ACCESS FOR GENERAL MAINTENANCE. CONFORM TO MFR'S RECOMMENDATIONS ON EQUIPMENT CLEARANCES.
23. REFER TO ARCHITECTURAL SHEET A0.3 IN REGARDS TO PHASING ON THIS PROJECT.

CONTROL DEVICES

BOILER EMERGENCY SHUTDOWN — B

CARBON DIOXIDE SENSOR — CO2

CARBON MONOXIDE SENSOR — CO

COMBINATION THERMOSTAT AND HUMIDISTAT — UNIT SERVED — T/H

COMBINATION THERMOSTAT AND CARBON DIOXIDE SENSOR — UNIT SERVED — TCO

DIFFERENTIAL PRESSURE SENSOR — UNIT SERVED — ΔP

HUMIDISTAT — UNIT SERVED — H

PULL STATION (KITCHEN HOOD) — PS

SENSOR — S

SMOKE DETECTOR (DUCT) — SD

STATIC PRESSURE SENSOR — SP

SWITCH — UNIT SERVED — S

THERMOSTAT — UNIT SERVED — T

PIPING

	Single Line		Double Line
ELBOW (90)		OR	
ELBOW (45)		OR	
ELBOW DOWN		OR	
ELBOW UP		OR	
PIPE INSULATION (IF SHOWN)		OR	
TEE UP		OR	
TEE DOWN		OR	
TEE HORIZONTAL		OR	
2-WAY VALVE			
3-WAY VALVE		OR	OR
BALL VALVE		OR	OR
BUTTERFLY VALVE		OR	OR
CHECK VALVE		OR	OR
DIAPHRAGM VALVE		OR	OR
GATE VALVE		OR	OR
GLOBE VALVE		OR	OR
PLUG VALVE (GEAR OPERATED)		OR	OR
PLUG VALVE (LEVER OPERATED)		OR	OR
CONTROL VALVE (MOTOR OPERATED)		OR	OR

MECHANICAL PIPING SYSTEMS

ABBREVIATION	SYSTEM	EXIST Single Line	EXIST Double Line	NEW Single Line	NEW Double Line
#-G	GAS (MEDIUM PRESSURE)				
#-G	GAS (HIGH PRESSURE)				
#-S	STEAM (LOW PRESSURE)				
#-S	STEAM (MEDIUM PRESSURE)				
#-S	STEAM (HIGH PRESSURE)				
AV	ATMOSPHERIC VENT				
BDW	BLOW DOWN WATER				
BFW	BOILER FEED WATER				
CA	COMPRESSED AIR				
CD-G	CONDENSATE DRAIN - GRAVITY				
CD-P	CONDENSATE DRAIN - PUMPED				
CHR	CHILLED WATER RETURN				
CHS	CHILLED WATER SUPPLY				
CR-G	STEAM CONDENSATE RETURN - GRAVITY				
CR-P	STEAM CONDENSATE RETURN - PUMPED				
CWFT	CONDENSER WATER FROM TOWER				
CWTT	CONDENSER WATER TO TOWER				
CWR	CONDENSER WATER RETURN				
CWS	CONDENSER WATER SUPPLY				
DTR	DUAL TEMPERATURE RETURN				
DTS	DUAL TEMPERATURE SUPPLY				
ERR	ENERGY RECOVERY RETURN				
ERS	ENERGY RECOVERY SUPPLY				
FOR	FUEL OIL RETURN				
FOS	FUEL OIL SUPPLY				
FV	FUEL VENT				
G	GAS (LOW PRESSURE, ≤ 0.5 PSIG)				
HWR	HEATING WATER RETURN				
HWS	HEATING WATER SUPPLY				
MUW	MAKE-UP WATER				
RG	REFRIGERANT GAS				
RL	REFRIGERANT LIQUID				
RS	REFRIGERANT SUCTION				
SR	SAFETY RELIEF				
UNK	UNKNOWN				

NOTE: # INDICATES PRESSURE

HVAC DESIGN DATA

DESIGN CONDITIONS	SUMMER DRY BULB TEMP °F	SUMMER WET BULB TEMP °F	SUMMER % HUMIDITY	WINTER DRY BULB TEMP °F	WINTER % HUMIDITY
OUTDOOR CONDITIONS	93.0	80.0	-	13.0	-
INDOOR AREA DESIGN CONDITIONS					
ALL SPACES	75.0	-	50.0	70.0	-

ENERGY CODE REQUIREMENTS

1. PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2018 WHICH INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING ITEMS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. FURNISH O&M MANUALS FOR THE HVAC SYSTEM PRIOR TO SUBSTANTIAL COMPLETION. (C303.3 & C408.2.5.3)
3. COMMISSIONING PLAN SHALL BE DEVELOPED BY AN APPROVED AGENCY PROVIDED BY THE OWNER. (C408.2.1)
4. HVAC EQUIPMENT, SYSTEMS, AND SYSTEM-TO-SYSTEM RELATIONSHIPS SHALL BE TESTED TO ENSURE PROPER OPERATION. (C408.2.3.1)
5. ECONOMIZERS SHALL BE TESTED TO ENSURE PROPER OPERATION. (C408.2.3.3)
6. PRELIMINARY COMMISSIONING REPORT SHALL BE COMPLETED BY CERTIFIED AND CERTIFIED BY APPROVED AGENCY PROVIDED BY THE OWNER. (C408.2.4)
7. PROVIDE AS-BUILT DRAWINGS PRIOR TO SUBSTANTIAL COMPLETION. (C408.2.5)
8. PROVIDE SYSTEM BALANCING REPORT. (C408.2.5.1)
9. FINAL COMMISSIONING REPORT DUE TO THE BUILDING OWNER WITHIN 90 DAYS FOR SUBSTANTIAL COMPLETION. (C408.2.5.2)
10. THERMOSTATIC CONTROLS SHALL HAVE A 5°F DEADBAND BETWEEN HEATING AND COOLING SETPOINTS. (C403.4.1.2)
11. ALL AIR OUTLETS AND ZONE TERMINAL DEVICES SHALL HAVE A MEANS FOR AIR BALANCING. (C408.2.2.1)
12. TEMPERATURE CONTROLS SHALL HAVE SETPOINT OVERLAP RESTRICTIONS. (C403.4.1.3)
13. HEATING FOR VESTIBULES AND AIR CURTAINS WITH INTEGRAL HEATING SHALL INCLUDE AUTOMATIC TEMPERATURE CONTROLS THAT SHUT OFF THE HEATING SYSTEM WHEN OUTDOOR AIR TEMPERATURES >45°F. VESTIBULES HEATING AND COOLING SYSTEMS CONTROLLED BY A THERMOSTAT IN THE VESTIBULE SHALL HAVE HEATING SETPOINT ≤ 60°F AND COOLING SETPOINT ≥70°F. (C403.4.1.4)
14. EACH ZONE SHALL HAVE SETBACK CONTROLS. (C403.4.2)
15. OCCUPIED ZONES SHALL HAVE SETBACK OF AT LEAST 55°F HEATING AND 85°F COOLING; 7-DAY CLOCK, 2-HR OCCUPANT OVERRIDE, AND 10-HR BACKUP. (C403.4.2.1)
16. CONTROLS SHALL INCLUDE OPTIMUM START. (C403.4.2.3)
17. DX AND VRF EQUIPMENT WITH ECONOMIZERS SHALL HAVE FAULT DETECTION AND DIAGNOSTICS. (C403.5.5)
18. AIR ECONOMIZERS SHALL AUTOMATICALLY REDUCE OUTDOOR AIR INTAKE TO DESIGN MINIMUM WHEN OUTDOOR AIR WILL NOT REDUCE COOLING ENERGY USAGE. (C403.5.3.3)
19. RETURN, EXHAUST/RELIEF, AND OUTDOOR AIR DAMPERS USED IN ECONOMIZERS HAVE MOTORIZED DAMPERS THAT AUTOMATICALLY SHUT WHEN NOT IN USE AND MEET MAXIMUM LEAKAGE RATES. (C403.5.3.5)
20. FAN MOTORS THAT ARE NOT LESS THAN 1/12 HP AND LESS THAN 1 HP ARE ELECTRONICALLY COMMUTATED MOTORS OR HAVE A MINIMUM MOTOR EFFICIENCY OF 70 PERCENT. THESE MOTORS SHALL HAVE THE MEANS TO ADJUST MOTOR SPEED. (C403.8.4)
21. FANS SHALL BE TESTED AND LABELED IN ACCORDANCE WITH AMCA 230.
22. HVAC SYSTEMS SHALL BE TESTED TO ENSURE PROPER OPERATION, CALIBRATION, AND ADJUSTMENT OF CONTROLS. (C408.2.2.2)

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WINCHESTER CITY HALL

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

JOB NO: 63492 DRAWN: CSS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M0.1

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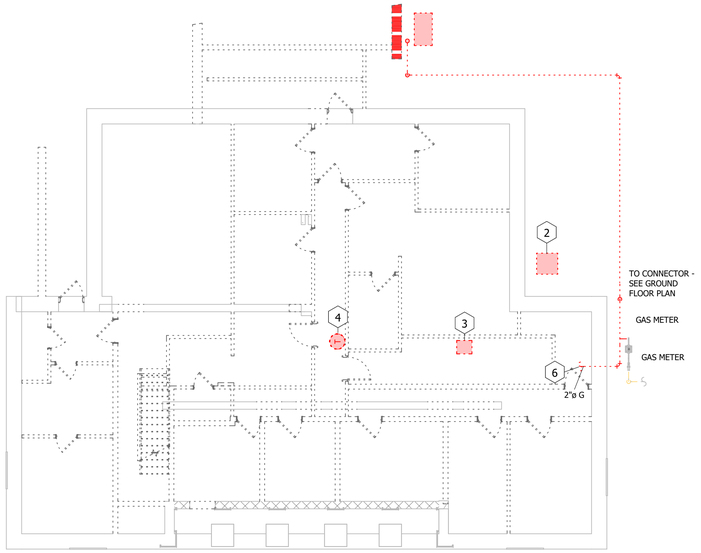
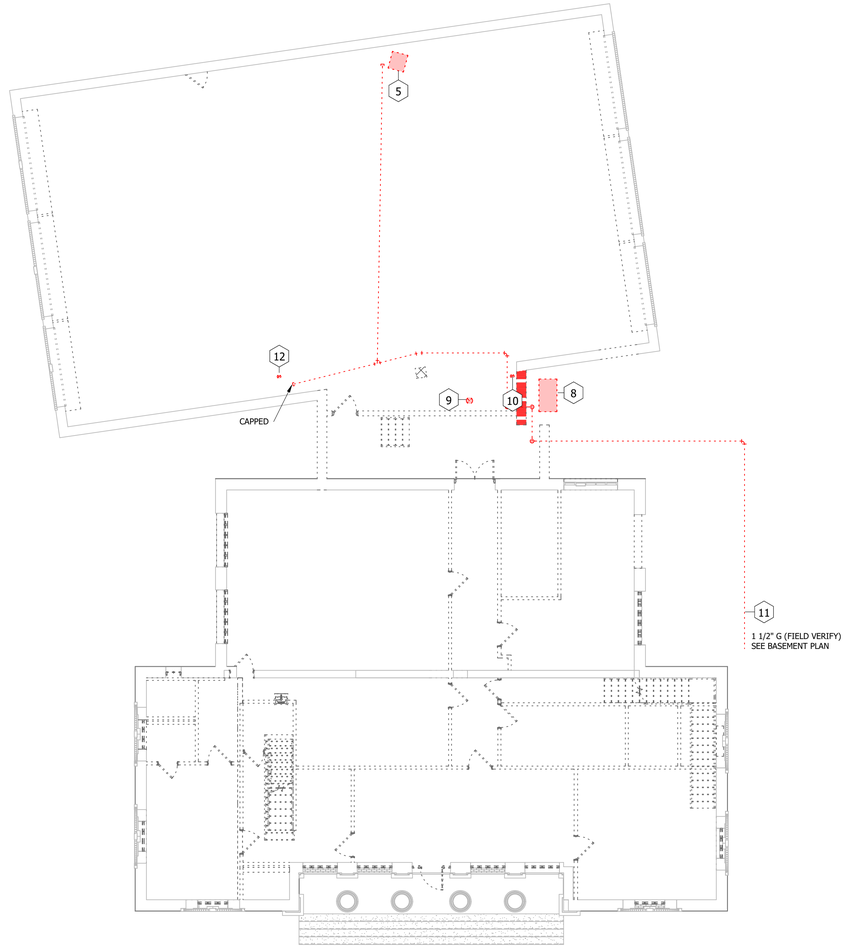
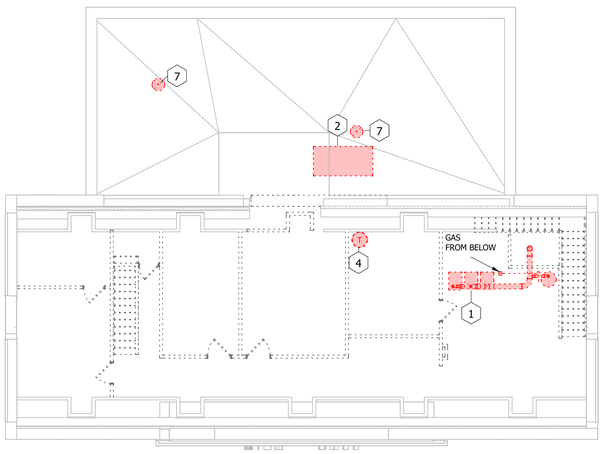


1 BASEMENT HVAC DEMO PLAN VIEW
1/8" = 1'-0"



2 GROUND FLOOR HVAC DEMO PLAN VIEW
1/8" = 1'-0"



3 SECOND FLOOR HVAC DEMO PLAN VIEW
1/8" = 1'-0"

KEYNOTE LEGEND

1	DEMO EXISTING GAS FURNACES, ASSOCIATED DUCTWORK, REFRIGERANT PIPING, FLUES, AND ANY OTHER ACCESSORIES DURING PHASE 2.
2	DEMO EXISTING CONDENSING UNIT.
3	DEMO EXISTING INDOOR UNIT, ASSOCIATED DUCTWORK, REFRIGERANT PIPING, AND ANY OTHER ACCESORIES.
4	DEMO THERMOSTAT AND CONTROL WIRING.
5	DEMO EXISTING GAS UNIT HEATER. DEMO GAS PIPING BACK TO MAIN LINE AND CAP.
6	REMOVE 2" GAS PIPE AND ALL DOWNSTREAM PIPING WITHIN THE BUILDING DURING PHASE 2.
7	REMOVE EXHAUST FAN AND CURB ON ROOF AND ALL ASSOCIATED DUCTWORK.
8	REMOVE EXISTING FUEL TANK AND ALL ASSOCIATED PIPING TO GENERATOR.
9	REMOVE EXHAUST DUCT AND ROOF CAP FROM HOSE DRYER.
10	REMOVE FLUE AND CAP FROM WATER HEATER.
11	REMOVE ALL UNDERGROUND AND ABOVE GROUND GAS PIPING DOWNSTREAM OF THIS LOCATION UNDER PHASE 1. EXACT LOCATION OF UNDERGROUND PIPING TO BE DETERMINED USING LOCATOR SERVICES. PIPE BENEATH SIDEWALK MAY BE ABANDONED AND CAPPED.
12	REMOVE UNUSED FLUE AND ROOF CAP.

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

HVAC DEMOLITION PLANS

JOB NO: 63492 DRAWN: CSS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

MD1.1

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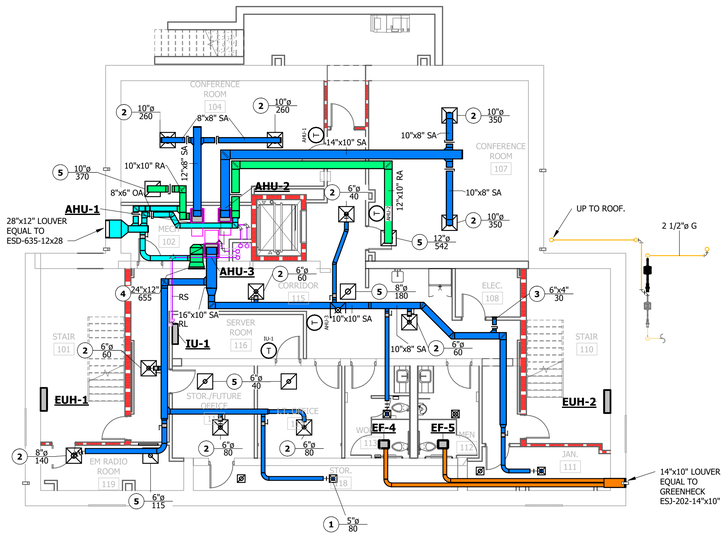
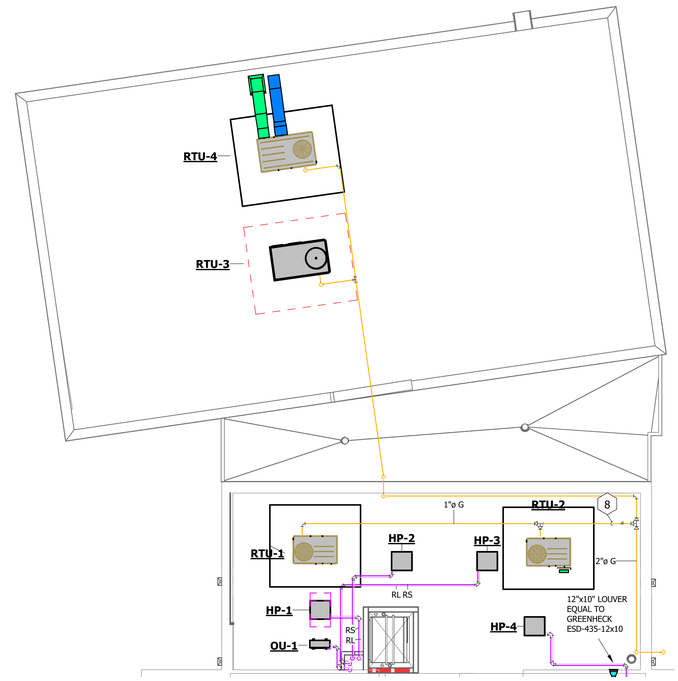
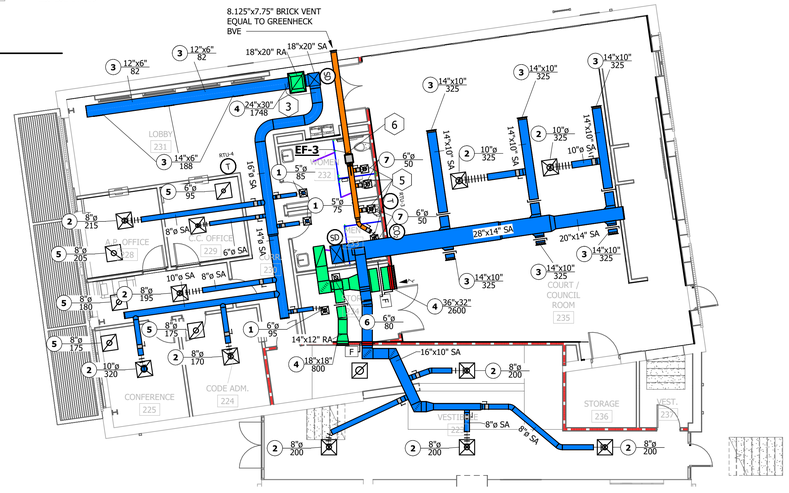


1 BASEMENT HVAC PLAN VIEW
1/8" = 1'-0"



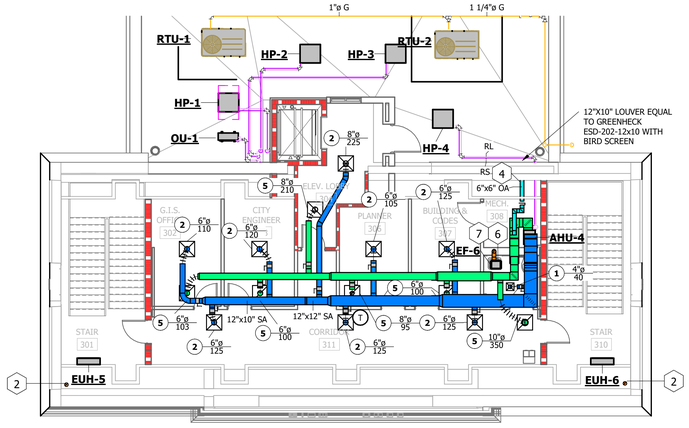
4 PARTIAL ROOF HVAC PLAN
1/8" = 1'-0"



6 FIRE STATION HVAC PLAN VIEW
1/8" = 1'-0"

KEYNOTE LEGEND

1	PROVIDE 30" VENTLESS RESIDENTIAL HOOD WITH INTEGRATED FIRE SUPPRESSION SYSTEM AND ELECTRICAL DISCONNECT. EQUAL TO GREENHECK GRRS-W-30-F-E-D-X. INSTALL PER MANUFACTURER GUIDELINES.
2	INSTALL ROOF JACK IN SHINGLED ROOF.
3	TRANSITION TO ROUND DOUBLE WALL SPIRAL DUCT.
4	TRANSITION TO LOUVER IN WALL.
5	FOR DIFFUSER INSTALLED IN HARD CEILING AND BALANCING DAMPER CANNOT BE INSTALLED OVER A LAY-IN CEILING, PROVIDE AN ACCESS PANEL EQUAL TO CASTWORKS CRFG ACCESS PANEL AND INSTALL BALANCING DAMPER WITHIN REACH OF ACCESS PANEL OPENING.
6	FOR EXHAUST FAN INSTALLED ABOVE HARD CEILING AND FAN CANNOT BE INSTALLED OVER A LAY-IN CEILING, PROVIDE ACCESS PANEL EQUAL TO CASTWORKS CFRG ACCESS PANEL SIZED LARGE ENOUGH TO REMOVE FAN FOR MAINTENANCE. AND INSTALL FAN WITHIN REACH OF ACCESS PANEL OPENING.
7	ROUTE 6" DUCT UP TO ROOF AND INSTALL ROOF JACK IN SHINGLED ROOF.
8	FOR PHASE 1, PIPE RUNOUT SHALL BE CAPPED UNTIL PHASE 2 CONSTRUCTION. DURING PHASE 2 CONSTRUCTION, PIPING FOR ROOFTOP UNITS HERE SHALL BE INSTALLED AND CONNECTED.
9	THERE ARE TWO METERS IN WHICH ONE SERVES BOTH THE FIRE STATION AND CITY HALL. THERE IS A 1" LINE FROM THE SECOND METER THAT SERVES A GAS FURNACE THAT NEEDS TO REMAIN DURING PHASE 1 CONSTRUCTION. EXISTING 2" SUPPLY LINE INTO CITY HALL TO REMAIN DURING PHASE 1 CONSTRUCTION AND DEMOLISHED IN PHASE 2. NEW 2" LINE FROM EXISTING METER TO BE RUN AS SHOWN DURING PHASE 1.



3 SECOND FLOOR HVAC PLAN VIEW
1/8" = 1'-0"

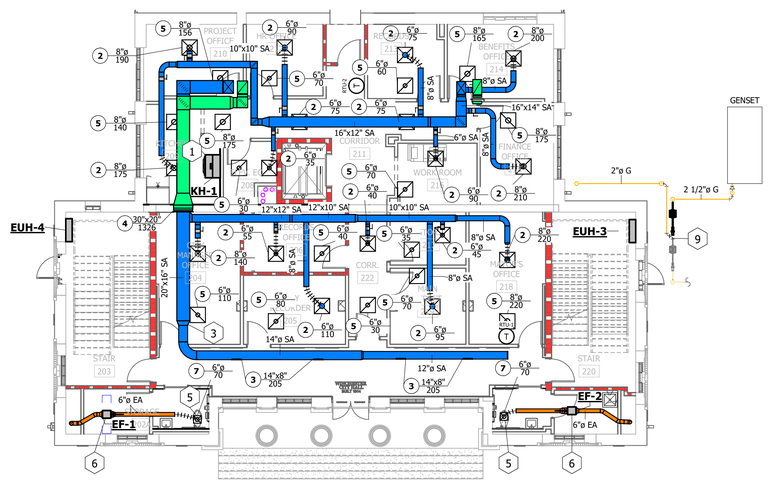
FIRE RATING LEGEND

COLOR (EXISTING)	COLOR (NEW)	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITTY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER



2 GROUND FLOOR HVAC PLAN VIEW
1/8" = 1'-0"

Allen&Hoshall
engineers • architects • surveyors

Allen & Hoshall
1661 International Drive, Suite 100
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ROYAL L. THOMPSON
REGISTERED ENGINEER
No. 119826
STATE OF TENNESSEE
1/1/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

HVAC PLAN VIEWS

JOB NO: 63492 DRAWN: CSS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M1.1

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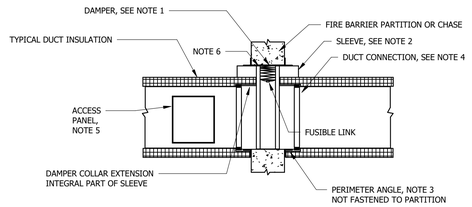
DIMENSIONS	
UNIT TYPE	"A"
DRAW THRU	(X/2)+1" (2" MIN)
BLOW THRU	X+1" (2" MIN)

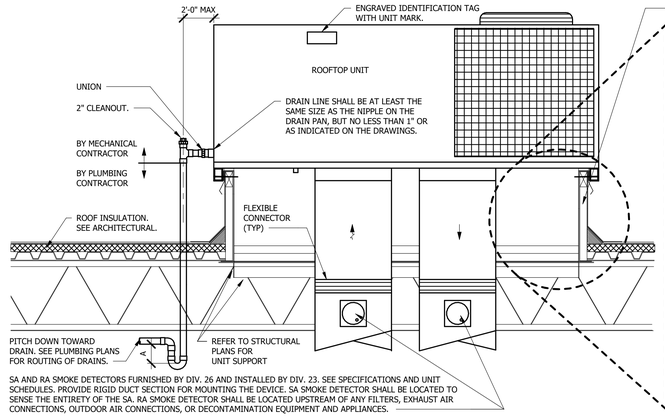
REMARKS:
1. X = STATIC PRESSURE AT FAN INLET (ABSOLUTE VALUE) OF UNIT TO WHICH TRAP IS ATTACHED.
2. D = DIAMETER



NOTES:

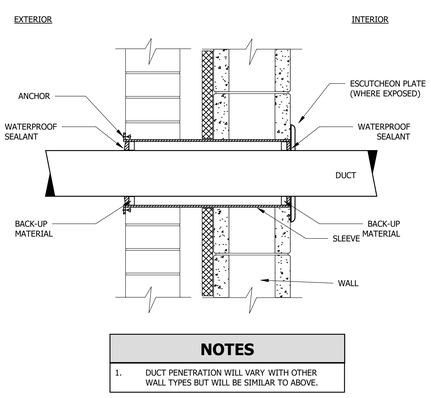
1. A VERTICAL DAMPER IS SHOWN. HORIZONTAL DAMPER INSTALLATION IS SIMILAR. FOLLOW DAMPER MANUFACTURER'S INSTRUCTIONS, INCLUDING FASTENER OPTIONS AND GAUGES FOR SLEEVE AND PERIMETER ANGLES.
2. FIRE DAMPERS MUST BE INSTALLED IN THE PARTITION OR FLOOR, NOT OUTSIDE THE PENETRATION. GALVANIZED STEEL: NOT LESS THAN THE CONNECTING DUCT. FASTEN SLEEVE TO DAMPER FRAME AND TO PERIMETER ANGLES.
3. PERIMETER ANGLES: GALVANIZED STEEL, NOT LESS THAN 1-1/2" x 1-1/2", 14 GAUGE TO PROVIDE 1" MINIMUM OVERLAP OF OPENING ON ALL FOUR SIDES.
4. BREAKAWAY DUCT CONNECTION: CONTRACTORS' OPTION OF TYPES SHOWN IN SMACNA LPDS, FIG. 2-13. SEAL JOINTS.
5. ACCESS PANELS: SIZE AND LOCATION TO PERMIT SERVICING THE FUSIBLE LINK(S).
6. PROVIDE CLEARANCE ON HEIGHT AND WIDTH PER MFR'S INSTRUCTIONS.
7. ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THROUGH ATTIC FLOORS AND MECHANICAL ROOM FLOORS, SHALL BE PROVIDED WITH A 3" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
8. PROVIDE U.L. LISTED FIRE DAMPERS AND INSTALL IN ACCORDANCE WITH SMACNA AND U.L. 555 REQUIREMENTS.

2 FIRE DAMPER DETAIL
NTS



NOTES
1. THRU THE CURB CONDENSATE DRAIN IS PREFERRED UNLESS UNIT ONLY PROVIDES OR AHJ REQUIRES SIDE CONDENSATE DRAIN CONNECTION.

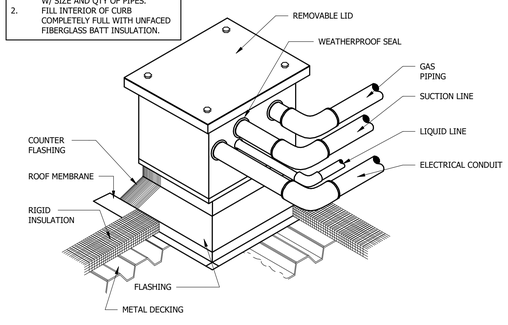
1 RTU DETAIL
NTS



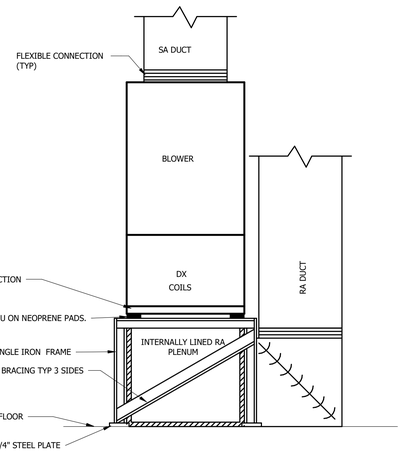
NOTES
1. DUCT PENETRATION WILL VARY WITH OTHER WALL TYPES BUT WILL BE SIMILAR TO ABOVE.

4 DUCT PENETRATION THRU WALL DETAIL
NTS

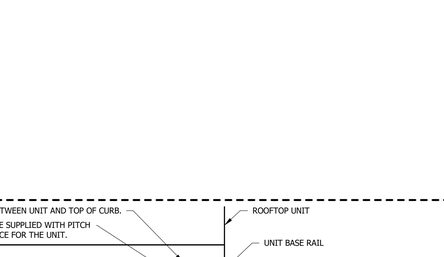
NOTES
1. OVERALL DIMENSIONS WILL VARY W/ SIZE AND QTY OF PIPES.
2. FILL INTERIOR OF CURB COMPLETELY FULL WITH UNFACED FIBERGLASS BATT INSULATION.



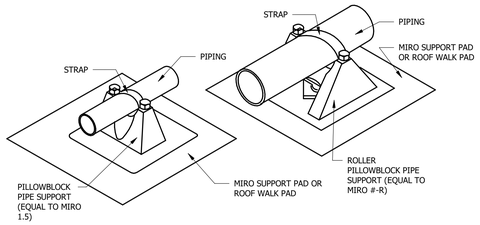
5 PIPE PENETRATION THRU ROOF DETAIL
NTS

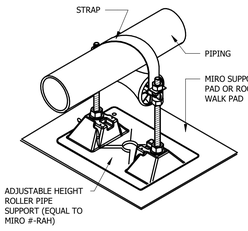


6 VERTICAL AHU DETAIL
NTS



7 RTU ON-ROOF GAS CONNECTION DETAIL
NTS





NOTES
1. PIPING SHALL BE SUPPORTED WITHIN 12" OF ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN THE TABLE BELOW.
2. PIPE SUPPORTS SHALL BE EQUAL TO MIRO IND. MODEL 1.5 (UP TO 1-1/2" PIPE), 3-R (UP TO 3" PIPE), 4-R OR 4-RAH (FOR 4" PIPE), AND 5-R, 5-RAH OR 6-RAH (5" TO 6" PIPE). AH STANDS FOR ADJUSTABLE HEIGHT.

PIPE SIZE	MODEL NO.	MAX. SPACING
3/4"	1.5	7'
1"	1.5	7'
1-1/4"	1.5	7'
1-1/2"	1.5	7'
2"	3-R OR 3-RAH	7'
2-1/2"	3-R OR 3-RAH	7'
3"	3-R OR 3-RAH	7'
4"	4-R OR 4-RAH	7'
5"	5-R OR 5-RAH	7'
6"	6-RAH	7'

8 GAS PIPE ROOF SUPPORT DETAIL
NTS

Allen&Hoshall
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RONALD L. THOMPSON — REGISTERED ENGINEER — 109111 — OWNER — STATE OF TENNESSEE — 1/1/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DETAILS

JOB NO: 63492 DRAWN: CSS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M5.1

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HP INDOOR AIR HANDLER SCHEDULE

MARK	SERVICE	OUTDOOR UNIT	MIN. EER or SEER	AIRFLOW (CFM) SUPPLY	AIRFLOW (CFM) OUTSIDE	SUPPLY FAN TYPE	SUPPLY FAN ESP (IN. W.G)	SUPPLY FAN HP	LINESET LENGTH	LINESET ELBOWS	DX COIL REFRIG. TYPE	DX COIL COOLING ENT. AIR TEMP. (°F) DB	DX COIL COOLING ENT. AIR TEMP. (°F) WB	DX COIL COOLING LVG. AIR TEMP. (°F) DB	DX COIL COOLING LVG. AIR TEMP. (°F) WB	DX COIL COOLING CAPACITY (BTU/H) NOMINAL	DX COIL COOLING CAPACITY (BTU/H) CORRECTED SENSIBLE	DX COIL COOLING CAPACITY (BTU/H) CORRECTED TOTAL	DX COIL HEATING EAT (°F)	DX COIL HEATING TOTAL CAPACITY (BTU/H) NOMINAL	DX COIL HEATING TOTAL CAPACITY (BTU/H) CORRECTED	DX COIL HEATING LAT (°F)	ELEC HEAT KW	ELEC HEAT LAT (°F)	FILTER DEPTH (IN.)	FILTER TYPE	FILTER MERV	FILTER QTY.	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA	ELECTRICAL MOP	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	REMARKS
AHU-1	CONFERENCE 104	HP-1	14	525	150	DIRECT		0.13	42' - 0"	8	R-454B	80.0	67.0	57.7	56.4	18,000	12,438	17,223	60.0	18,000	11,088	79.6	3.6	101.1	0' - 1"	THROWAWAY	8	1	208	1	25.0	25.0	TRANE	5TAM5B01AC21	1,2,3,4,5,6
AHU-2	CONFERENCE 107	HP-2	14	700	158	DIRECT		0.13	51' - 0"	6	R-454B	80.0	66.0	57.8	56.2	24,000	16,554	20,893	60.0	22,000	14,038	78.6	3.6	94.7	0' - 1"	THROWAWAY	8	1	208	1	25.0	25.0	TRANE	5TAM5B01AC21	1,2,3,4,5,6
AHU-3	BASEMENT	HP-3	14	790	135	DIRECT		0.13	61' - 0"	5	R-454B	78.9	65.2	57.0	55.4	24,000	18,464	22,779	61.1	22,000	14,132	77.7	5.77	98.7	0' - 1"	THROWAWAY	8	1	208	1	39.0	40.0	TRANE	5TAM5B01AC21	1,2,6
AHU-4	SECOND FLOOR	HP-4	14	1,100	125	DIRECT		0.13	24' - 0"	5	R-454B	77.6	64.3	55.8	54.3	36,000	25,656	31,783	64.1	31,200	21,123	81.9	5.77	98.2	0' - 1"	THROWAWAY	8	1	208	1	39.0	40.0	TRANE	5TAM5C03AC21	1,2,6

REMARKS:
1. PROVIDE UNIT EQAUL TO MFR AND MODEL SCHEDULED.
2. PROVIDE DISCONNECT AND COORDINATE WITH DIV.26.
3. PROVIDE EASY DRI LIQUID REHEAT DEHUMIDIFICATION SYSTEM. SEPERATE HOT GAS LINE IS NOT ACCEPTABLE.
4. REHEAT COIL SHALL OPERATE WHEN TEMPERATURE IS SATISFIED AND HUMIDITY IS ABOVE SETPOINT.
5. UTILIZE 3-WAY HEAT RECLAIM VALVE AND CONDENSER HEAD PRESSURE CONTROL TO MAINTAIN STEADY REHEAT COIL OPERATION.
6. PROVIDE WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT.

ROOFTOP UNIT SCHEDULE

MARK	SERVICE	REFRIGERANT TYPE	UNIT DIS.	MIN. EER	AIRFLOW (CFM) SUPPLY	AIRFLOW (CFM) OUTSIDE	FAN SUPPLY TYPE	FAN SUPPLY ESP (IN. W.G)	FAN SUPPLY HP	DX COOLING COIL CAPACITY (BTU/H) SENS.	DX COOLING COIL CAPACITY (BTU/H) TOTAL	DX COOLING COIL ENT. AIR TEMP. (°F) DB	DX COOLING COIL ENT. AIR TEMP. (°F) WB	DX COOLING COIL LVG. AIR TEMP. (°F) DB	DX COOLING COIL LVG. AIR TEMP. (°F) WB	HOT GAS REHEAT TYPE	HOT GAS REHEAT CAPACITY (BTU/H)	HOT GAS REHEAT LAT(°F)	GAS HEATING EAT (°F)	GAS HEATING LAT (°F)	GAS HEATING GAS TYPE	GAS HEATING CAPACITY (BTU/H) INPUT	GAS HEATING CAPACITY (BTU/H) OUTPUT	FILTER DEPTH (IN.)	FILTER TYPE	FILTER RATING (MERV)	FILTER QTY.	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA (A)	ELECTRICAL MOP (A)	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	BASIS OF DESIGN WEIGHT (LBS.) EQUIPMENT	REMARKS
RTU-1	GROUND FLOOR	R-454B	DOWNFLOW	11	1,505	179	DIRECT	0.99	1.00	36,750	46,830	77.7	64.3	56.9	54.4				63.8	103.2	NATURAL	80,000	64,800	2	THROWAWAY	8	4	208	3	27.0	40	TRANE	YSK048A350L	801	1,3,5,6,7
RTU-2	GROUND FLOOR	R-454B	DOWNFLOW	11	1,215	219	DIRECT	0.97	3.00	31,520	46,090	79.2	65.5	53.6	52.1				60.6	108.8	NATURAL	80,000	64,800	2	THROWAWAY	8	4	208	3	28.0	40	TRANE	YSK048A350L	1,056	1,3,5,6,7
RTU-3	COURT/COUNCILL ROOM	R-454B	DOWNFLOW	11	3,400	617	DIRECT	1.45	3.00	92,820	120,090	79.0	65.3	55.7	54.1	MODULATING	69,570	73.0	60.9	93.4	NATURAL	150,000	121,500	2	THROWAWAY	8		208	3	57.0	80	TRANE	YSK120A350L	1,191	1,2,3,4,6,7
RTU-4	FIRE STATION OFFICES	R-454B	HORIZONTAL	11	1,988	240	DIRECT	1.39	1.50	49,210	59,310	77.8	64.4	56.9	55.1				63.7	93.6	NATURAL	80,000	64,800	2	THROWAWAY	8	4	208	3	31.0	45	TRANE	YSK060A350L	770	1,3,6,7

REMARKS:
1. PROVIDE UNIT EQUAL TO MFR AND MODEL LISTED WITH HINGED ACCESS PANELS, HAIL GUARDS, ENTHALPY ECONOMIZER, POWER EXHAUST.
2. PROVIDE WALL MOUNTED CO2 SENSOR AND DEMAND CONTROL VENTILATION.
3. PROVIDE CONVENIENCE OUTLET AND WALL MOUNTED 7-DAY PROGRAMMABLE THERMOSTAT.
4. PER IMC EXCEPTION A UNIT SERVING A SINGLE SPACE IS NOT REQUIRED TO HAVE SMOKE DETECTOR IN RETURN.
5. PROVIDE 14" FULL PERIMETER KNOCKDOWN CURB.
6. COORDINATE DISCONNECT WITH DIV.26.
7. PROVIDE CONDENSATE OVERFLOW SWITCH.

AIR DEVICE SCHEDULE

MARK	SYSTEM TYPE	FACE SIZE	NECK SIZE	NOISE CRITERIA	MFR.	MODEL	QUANTITY	REMARKS
1	Supply Air	12" x 12"	4"ø	25	GREENHECK	CDP	2	1,2,3,4
1	Supply Air	12" x 12"	5"ø	25	GREENHECK	CDP	4	1,2,3,4
1	Supply Air	12" x 12"	6"ø	25	GREENHECK	CDP	1	1,2,3,4
1	Supply Air	12" x 12"	7"ø	25	GREENHECK	CDP	1	1,2,3,4
2	Supply Air	24" x 24"	6"ø	25	GREENHECK	CDP	25	1,2,3,4
2	Supply Air	24" x 24"	8"ø	25	GREENHECK	CDP	16	1,2,3,4
2	Supply Air	24" x 24"	10"ø	25	GREENHECK	CDP	7	1,2,3,4
3	Supply Air		6"x4"	25	GREENHECK	SG42	1	1,2,3,4,6
3	Supply Air		12"x6"		GREENHECK	SD42	2	1,2,3,4,5
3	Supply Air		14"x6"		GREENHECK	SD42	3	1,2,3,4,5
3	Supply Air		14"x8"	25	GREENHECK	SD42	4	1,2,3,4,5
4	Return Air		18"x18"	25	GREENHECK	RG41	1	1,2,3,4,7
4	Return Air		24"x12"	30	GREENHECK	RG41	1	1,2,3,4,7
4	Return Air		24"x30"	28	GREENHECK	RG41	1	1,2,3,4,7
4	Return Air		30"x20"	25	GREENHECK	RG41	1	1,2,3,4,7
4	Return Air		36"x32"	30	GREENHECK	RG41	1	1,2,3,4,7
5	Return Air	24" x 24"	6"ø	25	GREENHECK	RGCC-45	17	1,2,3,4,8
5	Return Air	24" x 24"	8"ø	25	GREENHECK	RGCC-45	13	1,2,3,4,8
5	Return Air	24" x 24"	10"ø	25	GREENHECK	RGCC-45	2	1,2,3,4,8
5	Return Air	24" x 24"	12"ø	25	GREENHECK	RGCC-45	2	1,2,3,4,8
6	Return Air	12" x 12"	6"ø	25	GREENHECK	RGCC-45	3	1,2,3,4,8
7	Exhaust Air	12" x 12"	6"ø	25	GREENHECK	RGCC-45	6	1,2,3,4,9

REMARKS:
1. PROVIDE AIR DEVICES EQUAL TO MFR. AND MODEL SCHEDULED.
2. QUANTITIES LISTED FOR REFERENCE PURPOSES ONLY. CONTRACTOR TO CONFIRM PER PLANS
3. COORDINATE EXACT LOCATIONS AND FRAME STYLE WITH ARCHITECTURAL RCP.
4. PROVIDE SQUARE PLAQUE DIFFUSER, STEEL CONSTRUCTION, WHITE FINISH AND INSULATED BACKPAN.
5. PROVIDE SPIRAL DUCT DOUBLE DEFLECTION GRILLED, WHITE FINISH, ALUMINUM CONSTRUCTION, AND ALUMINUM OPPOSED BLADE DAMPER
6. PROVIDE DOUBLE DEFLECTION SIDEWALL GRILLE, ALUMINUM CONSTRUCTION, AND WHITE FINISH.
7. PROVIDE SINGLE DEFLECTION RETURN GRILLE, 40° ANGLE, STEEL CONSTRUCTION, AND WHITE FINISH.
8. PROVIDE CUBED CORE SQUARE RETURN GRILLE, 45° ANGLE, ALUMINUM CONSTRUCTION AND WHITE FINISH.
9. PROVIDE CUBED CORE SQUARE RETURN GRILLE, 45° ANGLE, ALUMINUM CONSTRUCTION AND FINISH.TO BE PICKED OUT BY ARCHITECT.

ELECTRIC UNIT HEATER SCHEDULE

MARK	SERVICE	AIRFLOW SUPPLY	ELECTRIC HEATING KW	ELECTRIC HEATING TOTAL CAPACITY	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	MOUNTING HEIGHT	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	REMARKS
EUH-1	STAIR 101	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1
EUH-2	STAIR 110	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1
EUH-3	STAIR 220	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1
EUH-4	STAIR 203	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1
EUH-5	STAIR 301	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1
EUH-6	STAIR 310	100	3	10,376	208	1	1' - 6"	BERKO	FRC4024F	1

REMARKS:
1. PROVIDE ELECTRIC UNIT HEATER EQUAL TO MFR. AND MODEL SCHEDULED WITH BUILT IN THERMOSTAT.
2. PROVIDE SURFACE MOUNTING FRAME

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK	SERVICE	REFRIG. TYPE	COOLING MIN EER or SEER	COOLING AMBIENT (°F)	COOLING CAPACITY (BTU/H)	HEAT PUMP MIN HSPF or COP	HEAT PUMP AMBIENT (°F)	HEAT PUMP CAPACITY (BTU/H)	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA (A)	ELECTRICAL MOCP (A)	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	BASIS OF DESIGN WEIGHT (LBS.) EQUIPMENT	REMARKS
HP-1	CONFERENCE 104	R-454B	11.7	105.0	17,223	2.4	15.0	11,088	208	1	12.0	20	TRANE	5TWR4018A1000	174	1,2,3,4,5
HP-2	CONFERENCE 107	R-454B	11.7	105.0	20,893	2.4	15.0	14,038	208	1	13.0	20	TRANE	5TWR4024A1000	174	1,2,3,4,5
HP-3	BASEMENT	R-454B	11.7	95.0	22,779	2.4	15.0	14,132	208	1	13.0	20	TRANE	5TWR4024A1000	174	1,2,3,4,5
HP-4	SECOND FLOOR	R-454B	11.7	95.0	31,783	2.4	15.0	21,123	208	1	19.0	30	TRANE	5TWR4036A1000	222	1,2,3,4,5

REMARKS:
1. PROVIDE UNIT EQUAL TO MFR. AND MODEL SCHEDULED.
2. COORDINATE DISCONNECT WITH DIV. 26.
3. COMPRESSORS AND CONDENSERS SHALL BE VARIABLE SPEED CONTROLLED.
4. CONNECT INDOOR UNIT WITH ACR COPPER, SIZED AND INSTALLED PER MFR'S RECOMMENDATIONS.
5. PROVIDE ALL REFRIGERATION ACCESORIES AS REQUIRED.

FAN SCHEDULE

MARK	SERVICE	FAN TYPE	FAN DRIVE TYPE	FAN AIRFLOW (CFM)	FAN ESP (IN WG)	FAN MAX RPM	FAN HP	FAN MAX NOISE CRITERIA	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA (A)	ELECTRICAL MOCP (A)	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	BASIS OF DESIGN WEIGHT (LBS.) EQUIPMENT	REMARKS
EF-1	TOILET 202	INLINE	DIRECT	70	0.10	866	0.07	27	115	1	1.6	15	GREENHECK	SQ-70-VG	28	1
EF-2	TOILET 221	INLINE	DIRECT	70	0.10	866	0.07	27	115	1	1.6	15	GREENHECK	SQ-70-VG	28	1
EF-3	FS RESTROOMS	INLINE	DIRECT	200	0.20	894	0.07	27	115	1	1.9	15	GREENHECK	CSP-A390-VG	28	1
EF-4	MEN'S BASEMENT RR	CEILING	DIRECT	70	0.11	675	0.01		115	1	0.2	15	GREENHECK	SP-B70	9	2
EF-5	WOMEN'S BASEMENT RR	CEILING	DIRECT	70	0.11	675	0.01		115	1	0.2	15	GREENHECK	SP-B70	9	2
EF-6	TOILET 309	CEILING	DIRECT	70	0.20	894	0.01		115	1	0.2	15	GREENHECK	SP-B70	9	2

REMARKS:
1. MOTOR - VARI-GREEN EC MOTOR
2. ROUND DUCT CONNECTION

MINI SPLIT CONDENSING UNIT

MARK	LINESET LENGTH	LINESET ELBOWS	REFRIG. TYPE	DX COIL COOLING MIN. SEER2	DX COIL COOLING AMBIENT (°F)	DX COIL COOLING CAPACITY (BTU/H) NOMINAL	DX COIL COOLING CAPACITY (BTU/H) CORRECTED	ELECTRICAL VOLTAGE	ELECTRICAL PHASE	ELECTRICAL MCA (A)	ELECTRICAL MOCP (A)	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	BASIS OF DESIGN WEIGHT (LBS.) EQUIPMENT	REMARKS
OU-1	35' - 0"	4	R-454B	25.6	95.0	12,000	11,420	208	1	12.0	15.0	MITSUBISHI TRANE	MUY-GX12NL	77	1,2,3,4

REMARKS:
1. UNIT SHALL BE EQUAL TO UNIT SCHEDULED OR APPROVED EQUAL.
2. PROVIDE LOW AMBIENT KIT.
3. DISCONNECT BY DIV. 26. COORDINATE WITH ELECTRICAL.
4. POWER INDOOR UNIT FROM OUTDOOR UNIT.

MINI SPLIT INDOOR UNIT SCHEDULE

MARK	SERVICE	OUTDOOR UNIT	AIRFLOW (CFM) SUPPLY	AIRFLOW (CFM) OUTSIDE	DX COIL COOLING ENT. AIR TEMP. (°F) DB	DX COIL COOLING ENT. AIR TEMP. (°F) WB	DX COIL COOLING CAPACITY (BTU/H) NOMINAL	DX COIL COOLING CAPACITY (BTU/H) CORRECTED SENSIBLE	DX COIL COOLING CAPACITY (BTU/H) CORRECTED TOTAL	ELECTRICAL DATA VOLTAGE	ELECTRICAL DATA PHASE	BASIS OF DESIGN MFR.	BASIS OF DESIGN MODEL	BASIS OF DESIGN WEIGHT (LBS.) EQUIPMENT	REMARKS
OU-1															
IU-1	SERVER ROOM	OU-1	400	0	75.0	62.3	12,000	9,398	11,420	208	1	MITSUBISHI TRANE	MSY-GX12NL	23	1,2,3,4,5

REMARKS:
1. UNIT SHALL BE EQUAL TO UNIT SCHEDULED OR APPROVED EQUAL.
2. PROVIDE WIRED THERMOSTAT.
3. DISCONNECT BY DIV. 26. COORDINATE WITH ELECTRICAL.
4. COORDINATE CONDENSATE PUMP WITH PLUMBING.
5. POWER INDOOR UNIT FROM OUTDOOR UNIT.

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1/9/26

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

SCHEDULES

JOB NO: 63492 DRAWN: CSS
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

M6.1

Plotted on: 2/9/2026 2:05:19 PM

LEGEND

SYMBOL	DESCRIPTION
	PIPING, ETC., TO BE REMOVED
	COLD WATER (CW)
	HOT WATER (HW)
	HOT WATER RETURN (HWR)
	SANITARY WASTE (SW)
	SANITARY VENT (SV)
CD	CONDENSATE DRAIN (CD)
	CONNECT TO EXIST. PIPING
	CUT-OFF VALVE
	CAP
00	KEY NOTE NUMBER
P-#	PLUMBING FIXTURE DESIGNATION

ABBREVIATIONS	
A.F.F.	ABOVE FINISHED FLOOR
AB.	ABOVE
ARCH.	ARCHITECTURAL
BEL.	BELOW
C'TOP.	COUNTERTOP
CLG.	CEILING
CONN.	CONNECT(ION)
CO.	CLEANOUT
DN.	DOWN
DWG.	DRAWING
ELEV.	ELEVATION
ELECT.	ELECTRICAL
F.F.	FINISHED FLOOR
FCO.	FLOOR CLEANOUT
HORIZ.	HORIZONTAL
MECH.	MECHANICAL
OPNG.	OPENING
REQD.	REQUIRED
STRUCT.	STRUCTURAL
ST. STL.	STAINLESS STEEL
TYP.	TYPICAL
V.B.	VACUUM BREAKER
WCO.	WALL CLEANOUT
W.H.A.	WATER HAMMER ARRESTER

GENERAL NOTES:
1. DRAWINGS SHOW ONLY THE KNOWN SERVICES IN THE VICINITY OF THE PROJECT AREA.
2. CONTRACTOR SHALL VISIT THE PROJECT SITE AND FIELD VERIFY LOCATIONS, ELEVATIONS,AND SIZES OF ALL EXISTING SERVICES PRIOR TO STARTING CONSTRUCTION.
3. CONTRACTOR SHALL REMOVE, REWORK AND/OR REROUTE EXISTING SERVICES AS REQUIRED TO ACCOMPLISH THE WORK REQUIRED BY THIS CONTRACT.
4. CONTRACTOR SHALL COORDINATE THE DISRUPTION OF ANY SERVICE WITH THE LOCAL OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS PRIOR TO SAID DISRUPTION TO MINIMIZE ANY INCONVENIENCE TO THE OWNER/USER.
5. EXISTING SERVICES, EQUIPMENT, AND FIXTURES TO REMAIN OR TO BE RELOCATED SHALL BE REPAIRED TO ORIGINAL OPERATION OR REPLACED SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
6. ALL EXISTING WORK NOT SHOWN ON THESE DRAWINGS SHALL REMAIN AS IS UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL COORDINATE EQUIPMENT CONNECTIONS WITH EQUIPMENT DRAWINGS AND SUPPLIER. CONTRACTOR SHALL INSTALL EQUIPMENT AND MAKE FINAL CONNECTIONS FURNISHING CUTOFF VALVES, P-TRAPS, PRESSURE REDUCING VALVES, AND PIPING AS REQUIRED.
8. CONTRACTOR SHALL FURNISH AND INSTALL SHOCK ABSORBERS ON PIPING SERVING FLUSH VALVE FIXTURES AND/OR QUICK CLOSING VALVES (SOLENOID OPERATED, ETC.) IN ACCORDANCE WITH "PLUMBING AND DRAINAGE INSTITUTE" (PDI-WH-201) GUIDELINES.
9. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES INVOLVED TO AVOID ANY PIPE ROUTING PROBLEMS. IN THE EVENT CONFLICTS ARE ENCOUNTERED WHICH CANNOT BE RESOLVED BY THE TRADES INVOLVED, THE ARCHITECT SHALL BE CONSULTED AND HIS DECISION SHALL GOVERN.
10. ALL VENTS SHALL BE A MINIMUM OF 15'-0" AWAY FROM ALL FRESH AIR INTAKES FOR AIR HANDLING UNITS.
11. WHERE VENTS AND WASTE STACKS LESS THAN THREE INCHES (3") ARE PROHIBITED FROM ROUTING THROUGH THE ROOF, PROVIDE INCREASERS IN PIPE BELOW ROOF SLAB.
12. FURNISH AND INSTALL DEEP SEAL P-TRAPS ON FLOOR DRAINS NOT FED BY AN AUTOMATIC TRAP PRIMER SYSTEM.
13. ALL FIXTURES, EQUIPMENT AND PIPING SHOWN ON THESE DRAWINGS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
14. PENETRATIONS THROUGH NEW WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED AS DIRECTED BY THE SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
15. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED TO MATCH ORIGINAL. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
16. ALL WORK SHOWN IS PART OF BASE BID EXCEPT WHERE OTHERWISE DESIGNATED.
17. SEISMICALLY BRACE ALL PIPE AS REQUIRED BY LOCAL CODE REQUIREMENTS. CONTRACTOR SHALL PROVIDE SEISMIC BRACING DESIGNED BY A QUALIFIED ENGINEER LICENSED IN THE PROJECT JURISDICTION.

DEMOLITION NOTES:
1. DRAWINGS SHOW ONLY THE KNOWN EXISTING SERVICES.
2. CONTRACTOR IS ADVISED THAT LOCATIONS SHOWN FOR EXISTING PLUMBING SERVICES ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY LOCATIONS, MATERIALS, AND SIZES OF PLUMBING SERVICES IMMEDIATELY UPON NOTICE TO PRECEDE. CONTRACTOR SHALL BRING DISCREPANCIES BETWEEN THE NEW CONSTRUCTION DRAWINGS AND THE EXISTING CONDITIONS TO THE ENGINEER'S ATTENTION FOR COORDINATION PRIOR TO CONSTRUCTION.
3. EXISTING SERVICES THAT ARE NOT SHOWN BUT ARE DISCOVERED DURING DEMOLITION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR FOR PROPER COORDINATION. CONTRACTOR SHALL REMOVE, REWORK AND/ OR REROUTE THE EXISTING UTILITIES AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF PLUMBING SERVICE TO ADJACENT AREAS WITH THE LOCAL OWNER'S REPRESENTATIVE A MINIMUM OF 72 HOURS IN ADVANCE OF SAID DISRUPTION.
5. CONTRACTOR SHALL REMOVE EXISTING PLUMBING SERVICES TO FIXTURES AND EQUIPMENT TO BE REMOVED AS SHOWN ON DRAWINGS OR AS REQUIRED. CONTRACTOR SHALL CAP EXISTING SERVICES NEXT TO SERVICE MAINS IN CEILINGS, WALLS, OR BELOW FLOOR UNLESS OTHERWISE NOTED. EXISTING FIXTURES TO REMAIN IN AREA OF NEW CONSTRUCTION SHALL BE REWORKED AS REQUIRED TO PROVIDE CORRECT OPERATION.
6. CONTRACTOR SHALL SUBMIT A COMPLETE LIST OF EQUIPMENT AND/ OR PLUMBING FIXTURES THAT ARE TO BE REMOVED TO THE LOCAL OWNER'S REPRESENTATIVE. ALL ITEMS THAT THE LOCAL OWNER'S REPRESENTATIVE WISHES TO RETAIN SHALL BE PLACED IN STORAGE AND THE REMAINDER SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
7. EXISTING SERVICES, EQUIPMENT, AND FIXTURES, TO REMAIN OR TO BE RELOCATED SHALL BE REPAIRED TO ORIGINAL OPERATION OR REPLACED SHOULD THEY BE DAMAGED DURING CONSTRUCTION.
8. EXISTING WALL AND FLOOR PENETRATIONS FORMERLY OCCUPIED BY PIPING SHALL BE PATCHED TO MATCH EXISTING CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR FINAL FINISHES.
9. EXISTING PIPING THAT HAS BEEN PREVIOUSLY ABANDONED IN PLACE AND THAT IS NO LONGER IN SERVICE SHALL BE REMOVED AND CAPPED AS CLOSE TO MAIN AS POSSIBLE. EXISTING PIPING THAT IS NO LONGER CONNECTED TO MAINS SHALL ALSO BE REMOVED.

FIRE PROTECTION NOTES:
1. INSTALL A NEW 100% HYDRAULICALLY CALCULATED AUTOMATIC WET PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA, SERVING THE ENTIRE AREA OF THE PROJECT CONSTRUCTION.
2. CONTRACTOR SHALL USE THE FOLLOWING NFPA-13 OCCUPANCY CLASSIFICATIONS IN THE DESIGN OF AND CALCULATIONS FOR THE NEW AUTOMATIC SPRINKLER SYSTEM. CORRIDORS, OFFICES, BREAKROOMS, ETC.: LIGHT HAZARD STORAGE ROOMS, MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.: ORDINARY HAZARD GROUP 1
3. ALL SYSTEMS SHALL BE INSTALLED TO MEET THE REQUIREMENTS OF NFPA, THESE DOCUMENTS, FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTION, AND THE OWNER'S INSURANCE UNDERWRITER. NO PART OR SECTION OF NFPA (ALL CHAPTERS) SHALL BE VIOLATED. WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE LESS STRINGENT THAN THE REQUIREMENTS OF THE INSURANCE UNDERWRITER, THE UNDERWRITER'S REQUIREMENTS SHALL TAKE PRECEDENCE.
4. THE AUTOMATIC SPRINKLER SYSTEM SHALL BE ZONED AS SHOWN ON THE DRAWINGS.
5. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER, LOCAL WATER UTILITY, AND/OR THE LOCAL FIRE DEPARTMENT FOR THE PERFORMANCE OF A FLOW TEST IN ACCORDANCE WITH NFPA-13 REQUIREMENTS. FLOW TEST SHALL BE CONDUCTED USING TWO FIRE HYDRANTS, THE FIRST FOR THE PRESSURE READINGS WHILE THE SECOND IS FLOWING. SUBMIT THE FLOW TEST RESULTS AS PART OF THE SPRINKLER SHOP DRAWINGS.
6. CONTRACTOR SHALL COORDINATE WITH ALL DISCIPLINES INVOLVED PRIOR TO FABRICATION OR INSTALLATION TO AVOID ANY PIPE ROUTING PROBLEMS.
7. PENETRATIONS THROUGH WALLS AND FLOORS SHALL BE SLEEVED AND/OR PATCHED AS DIRECTED BY THE SPECIFICATIONS. SEE ARCHITECTURAL (A-SERIES) DRAWINGS FOR FINAL FINISHES.
8. ALL A/S HEADS SHOWN IN SPACES WITHOUT CEILINGS SHALL BE INSTALLED WITHIN 12-INCHES OF STRUCTURE AND IN ACCORDANCE WITH NFPA-13. ADDITIONAL HEADS MAYBE REQUIRED AND SHALL BE PROVIDED AROUND OBSTRUCTIONS.
9. SUBMIT COMPLETE SPRINKLER SHOP DRAWINGS THAT HAVE BEEN APPROVED BY THE AUTHORITY HAVING JURISDICTION ALONG WITH HYDRAULIC CALCULATION AND MATERIAL MANUFACTURER'S CUT SHEETS THROUGH THE ARCHITECT FOR REVIEW.THESE ARE PERFORMANCE SPECIFICATIONS AND THE DESIGN AND INSTALLATION OF THE AUTOMATIC SPRINKLER SYSTEM SHALL BE PERFORMED BY A LICENSED FIRE PROTECTION SYSTEMS CONTRACTOR WITH A MINIMUM OF FIVE (5) YEARS EXPERIENCE WITH PROJECTS OF THIS SIZE.THE CONTRACTOR SHALL RECEIVE THE RETURNED SHOP DRAWINGS WITH THE ENGINEER'S SHOP DRAWINGS REVIEW STAMP INDICATING "REVIEWED" PRIOR TO BEGINNING WORK.

FIXTURE SCHEDULE

FIXTURE	DESCRIPTION	TRAP SIZE	MIN. SIZE CONN. SW	SV	CW	HW
P-1	WATER CLOSET (STANDARD): WHITE VITREOUS CHINA, FLOOR MOUNTED, SIPHON JET ACTION, 1-1/2" TOP SPUD. 1.28 GPF, FLUSH VALVE OPERATED. ZURN Z5655-BWL1. SEAT TO BE OPEN FRONT, WHITE PLASTIC W/ CHECK HINGE, BENEKE #523. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 1.28 GPF, ZURN ZER6000AV-CPM-HET. PROVIDE WITH TRAP PRIMER OPTION WHEN SERVING A FLOOR DRAIN TRAP PRIMER LINE. COORDINATE WITH DRAWINGS.	INTEGRAL	4"	2"	1"	--
P-1A	WATER CLOSET (ADA COMPLIANT): WHITE VITREOUS CHINA, FLOOR MOUNTED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 1.28 GPF, FLUSH VALVE OPERATED, ZURN Z5665-BWL1. SEAT TO BE OPEN FRONT, WHITE PLASTIC W/ CHECK HINGE, BENEKE #523. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 1.28 GPF, ZURN ZER6000AV-CPM-HET. PROVIDE WITH TRAP PRIMER OPTION WHEN SERVING A FLOOR DRAIN TRAP PRIMER LINE. COORDINATE WITH DRAWINGS.	INTEGRAL	4"	2"	1"	--
P-2	URINAL (ADA COMPLIANT): WHITE VITREOUS CHINA, WALL MOUNTED, WASHOUT ACTION, 3/4" TOP SPUD, 0.125 GPF, FLUSH VALVE OPERATED, ZURN 5755-U. FLUSH VALVE SHALL BE BATTERY POWERED AND SENSOR OPERATED, 0.125 GPF, ZURN ZER6003AV-CPM-ULF. PROVIDE CONCEALED FLOOR MOUNTED CARRIER SUPPORT. SEE ARCHITECTURAL SECTION FOR MOUNTING HEIGHTS.	INTEGRAL	2"	2"	3/4"	--
P-3	LAVATORY (ADA COMPLIANT): UNDERMOUNT, 17-1/8" x 13-3/8", VITREOUS CHINA KOHLER K-8189. BATTERY POWERED SENSOR OPERATED FAUCET, 0.5 GPM, 10 SECOND RUN TIME, CHICAGO VANDAL-PROOF, SINGLE HOLE DECK MOUNT. CHICAGO MODEL E80-A11A-11ABCPT. PROVIDE CHROME PLATED BRASS FLAT GRID STRAINER, 17 GA. OFFSET TAILPIECE AND 1-1/4" P-TRAP (SLIP JOINT) PROVIDE CHROME PLATED COPPER 3/8" SUPPLY TUBES AND 1/4 TURN LOOSE KEY BALL STOPS. PROVIDE AND INSTALL AN ASSE 1070 COMPLIANT POWERS LFG480 LAVATORY TEMPERING VALVE THAT CAN OPERATE DOWN TO 0.25 GPM. COVER ALL BELOW LAVATORY TRIM NOT CONCEALED BY MILWORK WITH INSULATION KIT, LAVGUARD BY TRUBRO.	1-1/4"	2"	2"	1/2"	1/2"
P-4	LAVATORY (ADA COMPLIANT): EXISTING WALL MOUNTED LAVATORY AND FAUCETS TO BE REMOVED AND REINSTALLED. CONTRACTOR SHALL PROVIDE NEW CHROME PLATED BRASS FLAT GRID STRAINER, 17 GA. OFFSET TAILPIECE AND 1-1/4" P-TRAP (SLIP JOINT) PROVIDE CHROME PLATED COPPER 3/8" SUPPLY TUBES AND 1/4 TURN LOOSE KEY BALL STOPS. PROVIDE AND INSTALL AN ASSE 1070 COMPLIANT POWERS LFG480 LAVATORY TEMPERING VALVE THAT CAN OPERATE DOWN TO 0.25 GPM. COVER ALL BELOW LAVATORY TRIM NOT CONCEALED BY MILWORK WITH INSULATION KIT, LAVGUARD BY TRUBRO.	1-1/4"	2"	2"	1/2"	1/2"
P-5	SINK: DOUBLE COMPARTMENT SINK: DROP-IN, STAINLESS STEEL, 18 GA. THREE HOLE FAUCET PUNCHINGS, JUST DL-ADA-1829-A-GR. FAUCET TO BE SINGLE LEVER OPERATED, SWING SPOUT, CHROME PLATED, 1.8 GPM, DELTA 100LF-WF. PROVIDE J-35 REMOVABLE STRAINER BASKET, TAILPIECE, 17 GAUGE P-TRAP, AND CHROME PLATED COPPER SUPPLIES WITH 1/4 TURN LOOSE KEY BALL STOPS PROVIDE INSINKERATOR EVOLUTION COMPACT 3/4" HP DISPOSAL WITH WALL SWITCH OPERATION.	1-1/4"	2"	2"	1/2"	1/2"
P-6	SINK: SINGLE COMPARTMENT SINK: DROP-IN, STAINLESS STEEL, 18 GA. THREE HOLE FAUCET PUNCHINGS, ELKAY MODEL LRAD191955. FAUCET TO BE GOOSENECK SPOUT WITH WRIST BLADE HANDLES, CHROME PLATED, 1.8 GPM, CHICAGO MODEL 895-E72-317ABCF. PROVIDE J-35 REMOVABLE STRAINER BASKET, TAILPIECE, 17 GAUGE P-TRAP, AND CHROME PLATED COPPER SUPPLIES WITH 1/4 TURN LOOSE KEY BALL STOPS	1-1/4"	2"	2"	1/2"	1/2"
P-7	MOP BASIN: STRUCTURAL FIBERGLASS, 24"x24"x10", 3" CAST BRASS CHROME-PLATED STRAINER, MUSTEE MODEL 63M. PROVIDE STAINLESS STEEL WALL GUARDS AND FLANGES WHERE SINK IS POSITIONED AGAINST WALL. PROVIDE FAUCET WITH LEVER HANDLES, VACUUM BREAKER, PAIL HOOK AND WALL BRACE, CHICAGO FAUCET 897-RCF. FURNISH AND INSTALL REQUIRED 3" P-TRAP.	3"	3"	2"	1/2"	1/2"
TP-1	TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL P2-500 WITH DU-U DISTRIBUTION UNIT.	--	--	--	1/2"	--
TP-2	ELECTRONIC TRAP PRIMER: PRECISION PLUMBING PRODUCTS MODEL MP-500-115V WITH DU-U DISTRIBUTION UNIT.	--	--	--	1/2"	--
CM-1	COUNTERTOP COFFEE MAKER CONNECTION: PROVIDE AND INSTALL A SIOUX CHIEF 696 RECESSED WALL BOX ABOVE THE COUNTERTOP BEHIND THE COFFEE MAKER THAT IS EQUIPPED WITH A 1/4" VALVED COMPRESSION OUTLET AND VALVE WITH ARRESTOR. PROVIDE A 2' COIL OF TYPE "K" COPPER BEHIND THE COFFEE MAKER AND INSTALL A ZURN/WILKINS 700 DUAL CHECK. REDUCE THE LINE SIZE TO THE COFFEE MAKER CONNECTION SIZE AND MAKE THE FINAL CONNECTION TO THE COFFEE MAKER IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.	--	--	--	1/2"	--
RIM-1	ICE MAKER CONNECTION (REFRIGERATOR): GUY GREY MODEL NUMBER BIM875 ICE MAKER BOX OR APPROVED EQUAL. PROVIDE SHOCK ARRESTOR ON SERVICE LINE.	--	--	--	1/2"	--

NOTE: MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

FLOW TEST DATA	
DATE:	6/13/25
STATIC:	68 PSIG
RESIDUAL:	32 PSIG
FLOW:	949 GPM
TEST ELEVATION:	APPX. 970
PROVIDED BY:	CORY HALL

FP BACKFLOW PREVENTER SCHEDULE

MARK	SYSTEM	TYPE DEVICE	SIZE	MANUFACTURER	MODEL
BFP-2	FIRE PROTECTIOIN	DOUBLE CHECK	4"	WATTS	DERRINGER 30

NOTE: 1. PROVIDE LISTED MANUFACTURER OR APPROVED EQUAL.

DRAIN AND CLEANOUT SCHEDULE

FIXTURE	DESCRIPTION	TRAP SIZE	MIN. SIZE CONN. SW	SV
FD-1	FLOOR DRAIN (GENERAL): CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, ADJUSTABLE 6" SQUARE POLISHED NICKEL BRONZE STRAINER, TRAP PRIMER CONNECTION, ZURN Z415S OR APPROVED EQUAL.	AS INDICATED		--
FD-2	FLOOR DRAIN (GENERAL): CAST IRON FLOOR DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE OPENINGS, ADJUSTABLE 7" DIAMETER POLISHED NICKEL BRONZE STRAINER WITH OPEN WATERWAY THROUGH FUNNEL, TRAP PRIMER CONNECTION, ZURN Z415E OR APPROVED EQUAL.	AS INDICATED		--
FCO	FLOOR CLEANOUT: CAST IRON CLEANOUT W/ THREADED, ADJUSTABLE HOUSING, FLANGED FERRULE W/ TAPERED BRASS PLUG, ROUND SECURED NICKEL BRONZE SCORIATED TOP. ZURN Z-1400 SERIES OR APPROVED EQUAL.	--	--	--
RD-1	ROOF DRAIN: 16" DIAMETER HIGH EFFICIENT FLOW ROOF DRAIN WITH 3" OUTLET. DURA-COATED CAST IRON BODY WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GAURD AND LOW SILHOUETTE POLY-DOME. ZURN Z100F OR APPROVED EQUAL.	--	--	--

NOTE: MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

SPRINKLER HEAD LEGEND

SYMBOL	MODEL	TEMP.	DESCRIPTION	K	CONN.
◉	VIKING VK3021	155° F	STANDARD COVERAGE, QUICK RESP., CONCEALED WHITE PENDENT	5.6	1/2"
○	VIKING VK300	155° F	STANDARD COVERAGE, QUICK RESP., BRASS UPRIGHT	5.6	1/2"
◁	VIKING VK300	155° F	STANDARD COVERAGE, QUICK RESP., BRASS SIDEWALL	5.6	1/2"
●	VIKING VK300	155° F	STANDARD COVERAGE, QUICK RESP., CONCEALED CUSTOM PENDENT[2]	5.6	1/2"

NOTE:
1. TEMPERATURE RATING IS MINIMUM RECOMMENDED. INSTALL HEADS WITH HIGHER RATINGS IN ACCORDANCE WITH NFPA-13 REQUIREMENTS WHERE HEADS ARE IN HIGH TEMPERATURE AREAS OR IN PROXIMITY OF HEAT SOURCES INCLUDING DIFFUSERS AND UNIT HEATERS.
2. CUSTOM COVER PLATE COLOR/PATTERN TO BE COORDINATED WITH ARCHITECT. CONTRACTOR SHALL ORDER CUSTOMIZED COVER PLATE TO ARCHITECTS SPECIFICATIONS.

WATER HEATER SCHEDULE - ELECTRIC

MARK	LOCATION	ELECTRICAL CHARACTERISTICS	TEMPERATURE RISE	RECOVERY (GPH)	STORAGE (GALLONS)	MODEL EQUAL TO	REMARKS
WH-1	PER DRAWINGS	6 KW / 208V / 1Ø / 60Hz.	80°	30	52	A. O. SMITH DEN-52	1, 2
WH-2	PER DRAWINGS	6 KW / 208V / 1Ø / 60Hz.	80°	30	52	A. O. SMITH DEN-52	1, 2

1. REFER TO DETAIL ON DETAIL SHEET FOR FURTHER INFORMATION.
2. MANUFACTURERS AND MODEL NUMBERS LISTED ARE BASIS OF DESIGN. APPROVED EQUALS ARE ACCEPTABLE

DOMESTIC BACKFLOW PREVENTER SCHEDULE

MARK	SYSTEM	SIZE	TYPE DEVICE	MANUFACTURER	MODEL	GPM	PRESSURE DROP	REMARKS
BFP-1	DOMESTIC	2"	REDUCED PRESSURE ZONE (RPZ)	WATTS	LF919QT-FS-S	60	10	PROVIDE WITH STRAINER. SEE DETAIL ON SHEET P0.3

1. PROVIDE LISTED MANUFACTURER OR APPROVED EQUAL.

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No.	Revision Description	Date

LEGEND, NOTES, SCHEDULES, AND DETAILS

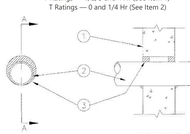
JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P0.1

Plotted on: 1/5/2026 1:16:16 PM

System No. W-J-1040
August 29, 2019

ANSI/UL1479 (ASTM E814)
F Ratings — 1, 2, 3 and 4 Hr (See Item 1)
T Ratings — 0 and 1/4 Hr (See Item 2)



SECTION A-A

1. Wall Assembly — Min 4-7/8, 6-1/8, 7-3/8 and 8-5/8 in. (124, 156, 187 and 219 mm) thick normal weight or lightweight (100-150 pcf or 1600-2400 kg/m3) concrete for 1, 2, 3 and 4 hr rated assemblies, respectively. Wall may also be constructed of any UL Classified Concrete **Blocks*. Max diam of opening is 14-1/8 in. (359 mm).**

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (point contact) to max 1-3/8 in. (35 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — The following types and sizes of steel pipes may be used:

1. Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

2. Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe. **When steel pipe is used, T & FTH Ratings are 1/4 hr for nom 4 in. (102 mm) diam (or smaller) and 0 for steel pipes greater than nom 4 in. (102 mm) diam.**

B. Iron Pipe — Nom 24 in. (610 mm) diam (or smaller) cast or ductile iron pipe. When iron pipe is used T & FTH Ratings are 1/4 hr.

C. Conduit — Nom 4 in. (102 mm)diam (or smaller) steel electrical metallic tubing (EMT) or steel conduit. When EMT or steel conduit is used T & FTH Rating are 1/4 **hr.**

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. When copper tube is used T & FTH Ratings are 0 hr.

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When copper pipe is used T & FTH Ratings are 0 hr.

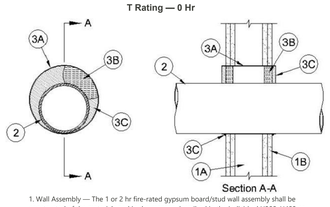
F. Stainless Steel Pipe — Nom 6 in. (152 mm) diam (or smaller) Schedule 5 (or heavier) stainless steel pipe. When stainless steel pipe is used T & FTH Ratings are **0 hr.**

3. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material for 1 hr rated wall assemblies, applied within the annulus, flush with both surfaces of wall. Min 1-1/4 in. (32 mm) thickness of fill material for 2, 3 and 4 hr rated wall assemblies, applied within the annulus, flush with both surfaces of wall. At point contact location between penetrant and periphery of opening, a min 1/2 in. (13 mm) diam bead of fill material shall be installed at the concrete/penetrant interface on both surfaces of wall.
PASSIVE FIRE PROTECTION PARTNERS — 3600EX, 4100NS, 4800DW

System No. W-L-1003
February 14, 2008

F Ratings — 1 and 2 Hr (See Item 1)

T Rating — 0 Hr



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-1/2 in. (89 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400 or V400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 15 in. (381 mm).
The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through-Penetrant — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. The space between pipes, conduits or tubing and the steel sleeve (item 3A) shall be min of 0 in. (point contact) to max 2-3/8 in. (60 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Class 50 (or heavier) ductile iron pressure pipe.

C. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Firestop System — Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows.

A. Steel Sleeve — Cylindrical sleeve fabricated from min 0.019 in. thick (0.48 mm) galv sheet steel and having a min 2 in. (51 mm) lap along the longitudinal seam. Length of steel sleeve to be equal to thickness of wall plus 1 to 4 in. (25 to 102 mm) such that, when installed, the ends of the sleeve will project approx 1/2 to 2 in. (13 to 51 mm) beyond the surface of the wall on both sides of the wall assembly. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the openings and releasing the coil to let it uncoil against the circular cutouts in the gypsum board layers.

B. Packing Material — Min 1 in. (25 mm) thickness of mineral wool batt insulation firmly packed into steel sleeve on both sides of the wall assembly as permanent forms. Packing material to be recessed min 1/2 in. (13 mm) from end of steel sleeve (flush with or recessed into gypsum board surface) on both sides of wall assembly.

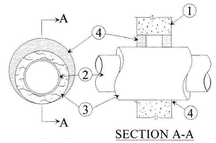
B1. Packing Material — (Not shown) — As an alternate to Item B, nom 1 in. (25 mm) thick polyethylene backer rod may be used. The backer rod is to be recessed within the steel sleeve a min of 1 in. (25 mm) from each surface of wall.

C. Fill, Void or Cavity Materials* — Caulk or Sealant — When mineral wool batt insulation is used, caulk or sealant applied to fill the steel sleeve to a min depth of 1/2 in. (13 mm) on both sides of wall assembly. When backer rod is used, a min thickness of 1 in. (25 mm) of caulk or sealant is required flush with both sides of wall. A nom 1/4 in. (6 mm) diam continuous bead of caulk or sealant shall be applied around the circumference of the steel sleeve at its egress from the gypsum board layers on both sides of the wall assembly.
3M COMPANY — CP 25WB+, IC 15WB+ or FB-3000 WT

System No. W-J-5013
September 08. 2004

F Ratings — 1 and 2 Hr (See Item 4)

T Ratings — 1 and 1-1/2 Hr (See Item 4)



SECTION A-A

1. Wall Assembly — Min 4-1/2 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks* Max diam of opening is 8-1/2 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrants — One metallic pipe or tubing installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. Steel Pipe — Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Copper Tubing — Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.

C. Copper Pipe — Nom 4 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Pipe Covering* — Nom 1-1/2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the edge of the through opening shall be min zero in. (continuous point contact) to max 1-1/4 in.
See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Fill, Void or Cavity Materials* — Caulk or Sealant — Min thickness of 5/8 in. and 1-1/4 in. of caulk or putty for 1 and 2 hr rated wall assemblies, respectively, applied within annulus between pipe covering and periphery of the opening, flush with both surfaces of wall assembly. A min 1/2 in. diam bead of caulk shall be applied to the pipe covering/wall interface at the point contact location on both sides of wall. The hourly F and T Ratings of **the firestop system are 1 hr when installed in 1 hr fire rated wall assemblies. The hourly F Rating of the firestop system is 2 hr when installed in 2 hr fire rated wall assemblies. When installed in 2 hr fire rated wall assemblies, T Rating is 1 hr when copper tube is used and 1-1/2 hr when steel pipe is used.**
3M COMPANY — CP 25WB+ or FB-3000 WT

5. Packing Material — (Optional) — Mineral wool or fiberglass insulation or polyethylene backer rod firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of caulk fill material.

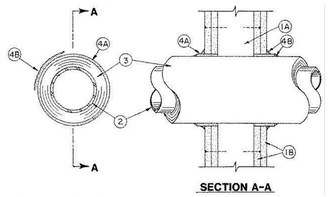
System No. W-L-5001
May 19, 2005

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 3/4, 1 and 1-1/2 Hr (See Item 3)

L Rating At Ambient — 2 CFM/sq ft

L Rating At 400 F — less than 1 CFM/sq ft



SECTION A-A

1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610 mm) OC.

B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 (368mm) in for wood stud walls and 18 in. (457 mm) for steel stud walls.
The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.

2. Through Penetrants — One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

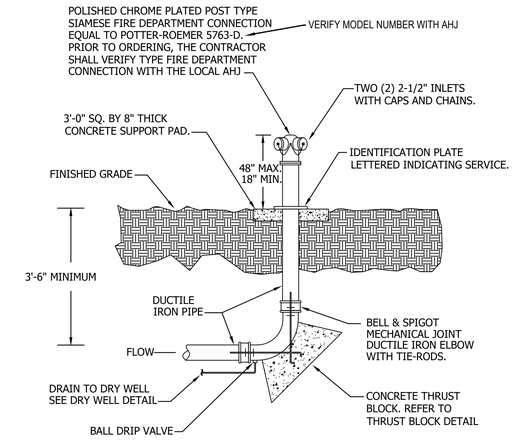
3. Pipe Covering* — Nom 1 or 2 in. (25 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints sealed with metal fasteners or with butt strip tape supplied with the product. When nom 1 in. (25 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum wallboard layers on each side of the wall shall be min 1/4 in. (6 mm) to max 3/8 in. (10 mm) When nom 2 in. (51 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum board layers on each side of the wall shall be min 1/2 in. (13 mm) to max 3/4 in. (19 mm)
See Pipe and Equipment Covering Materials (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the firestop system is 3/4 hr when nom 1 in. (25 mm) thick pipe covering is used. The hourly T Rating of the firestop system is 1 hr and 1-1/2 hr when nom 2 in. (52 mm) thick pipe covering is used with 1 hr and 2 hr fire rated walls, respectively.

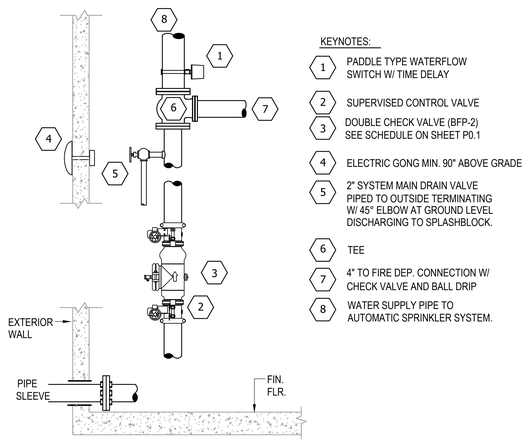
4. Firestop System — Installed symmetrically on both sides of wall assembly. The details of the firestop system shall be as follows:

A. Fill, Void or Cavity Materials* — Wrap Strip — Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely bound with steel wire or aluminum foil tape and slid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required when nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required when nom 2 in. (51 mm) thick pipe covering is used.
3M COMPANY — FS-195+

B. Fill, Void or Cavity Materials* — Caulk or Sealant — Min 1/4 in. (6 mm) diam continuous bead applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.
3M COMPANY — CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant



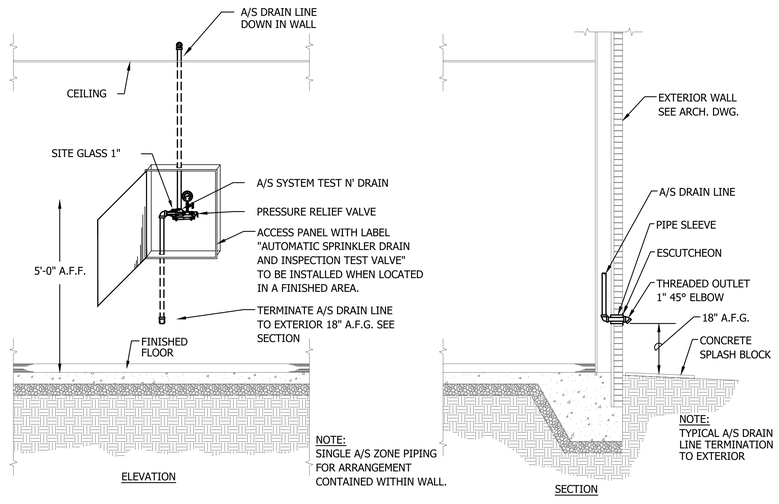
1 SIAMESE F.D.C. SCHEMATIC
SCALE: NO SCALE



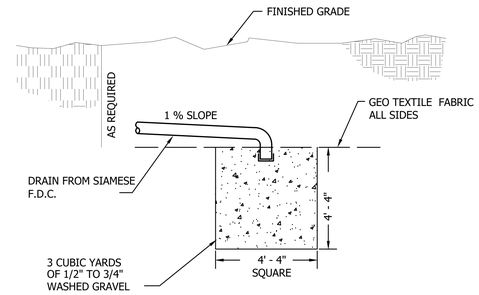
KEYNOTES:

1. PADDLE TYPE WATERFLOW SWITCH W/ TIME DELAY
2. SUPERVISED CONTROL VALVE
3. DOUBLE CHECK VALVE (BFP-2) SEE SCHEDULE ON SHEET P0.1
4. ELECTRIC GONG MIN. 90" ABOVE GRADE
5. 2" SYSTEM MAIN DRAIN VALVE PIPED TO OUTSIDE TERMINATING W/ 45° ELBOW AT GROUND LEVEL DISCHARGING TO SPLASHBLOCK.
6. TEE
7. 4" TO FIRE DEP. CONNECTION W/ CHECK VALVE AND BALL DRIP
8. WATER SUPPLY PIPE TO AUTOMATIC SPRINKLER SYSTEM.

3 FIRE MAIN ENTRANCE SCHEMATIC
SCALE: NO SCALE

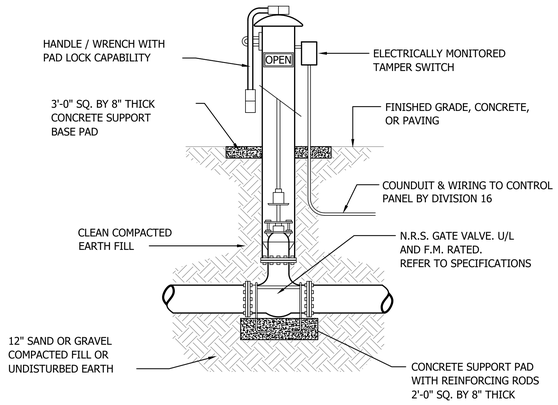


5 AUTOMATIC SPRINKLER TEST AND DRAIN CONNECTION SCHEMATIC
SCALE: NO SCALE



(REFER TO CIVIL DRAWINGS)

2 DRY WELL DETAIL
SCALE: NO SCALE

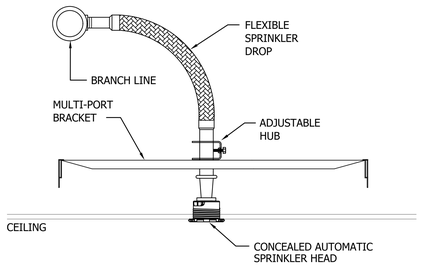


NOTE:
MATERIALS AND INSTALLATION SHALL COMPLY WITH FEDERAL, STATE AND LOCAL CODE REQUIREMENTS - REFER TO SPECIFICATIONS

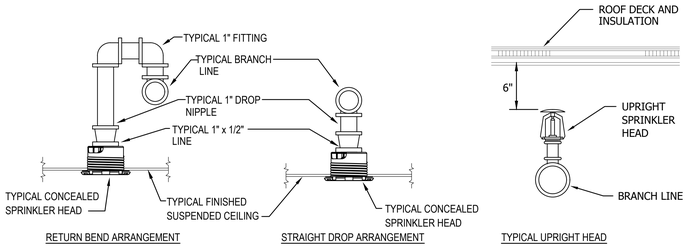
NOTE:
PROVIDE SIGNAGE IDENTIFYING AREA BEING SERVED. COORDINATE VERBIAGE WITH ARCHITECT AND FIRE DEPARTMENT.

(REFER TO CIVIL DRAWINGS)

4 POST INDICATOR VALVE SCHEMATIC
SCALE: NO SCALE



3 CONCEALED HEAD WITH FLEXIBLE CONNECTOR DETAIL
SCALE: NO SCALE



NOTE:
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS, INCLUDING EXACT TYPES OF SPECIFIED AUTOMATIC SPRINKLER HEADS.

6 SPRINKLER HEAD INSTALLATION DETAIL
SCALE: NO SCALE

Allen&Hoshall
engineers • architects • surveyors

Allen & Hoshall
1661 International Drive, Suite 100
Memphis, TN 38120
901 820 0820 fax 866 270 6330

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ADDISON R. TURNER — REGISTERED ENGINEER — AGRICULTURAL — No. 119485 — STATE OF TENNESSEE — 1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DETAILS

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P0.2

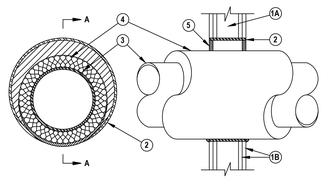
Plotted on: 1/5/2026 1:16:16 PM

System No. W-L-5096

WL 5096

Classified by Underwriters Laboratories Inc. to UL 1479 and CAN/ULC-S115

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
T Ratings - 0, 1/2 and 1 (See Items 3 and 4)	FT Ratings - 0, 1/2 and 1 (See Items 3 and 4)
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Ratings - 0, 1/2 and 1 (See Items 3 and 4)



SECTION A-A

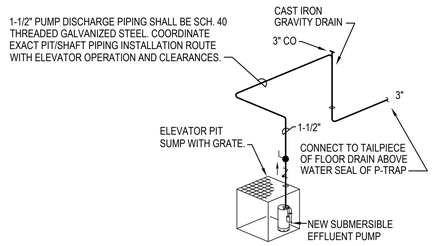
1. Wall Assembly — The 1 or 2 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
B. Gypsum Board* — Nom 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300, U400, V400 or W400 Series Design in the Fire Resistance Directory. Max diam of openings is 14-1/2 in. (368 mm) for wood stud walls. Max diam of opening is 18-5/8 in. (473 mm) for steel studs walls or sized to the outside diam of steel sleeve (Item 2) when optional steel sleeve is used.
The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.

2. Steel Sleeve — (Optional) Max 18 in. (457 mm) diam Schedule 40 (or heavier) steel pipe sleeve inserted in opening core drilled through wall. Length of steel sleeve to be equal to thickness of wall.
3. Through Penetrant — One metallic pipe or tubing installed concentrically or eccentrically within the firestop system. Pipe or tube to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tube may be used:
A. Steel Pipe — Nom 12 in. (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe. When steel pipe is used, T, FT and FTH Ratings are 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.
B. Copper Tube — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tube. When copper tube is used, T, FT and FTH Ratings are 1/2 hr and 1 hr when installed in 1 and 2 hr rated walls, respectively.
C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe. When copper pipe is used, T, FT and FTH Ratings are 1/2 and 1 hr when installed in 1 and 2 hr rated walls respectively.
4. Pipe Covering* — Max. 2 in. (51 mm) thick hollow cylindrical heavy density (nom 3.5 pcf or 56 kg/m3) glass fiber units, jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied SSL tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between insulated penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm).
When pipe covering thickness is less than 2 in. (51 mm), T, FT and FTH Ratings are 0 hr.

See Pipe and Equipment Covering-Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

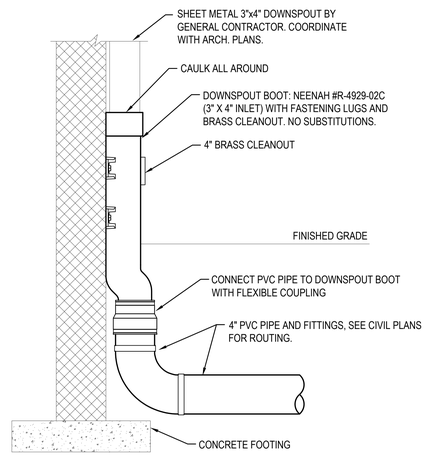
5. Fill, Void or Cavity Material*-Sealant — Min 5/8 in. (16 mm) or thickness of fill material applied within annulus, flush with both surfaces of wall assembly for At point contact an additional 1/2 in. (13 mm) bead of sealant shall be applied to the insulated pipe/ wall interface.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC. — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

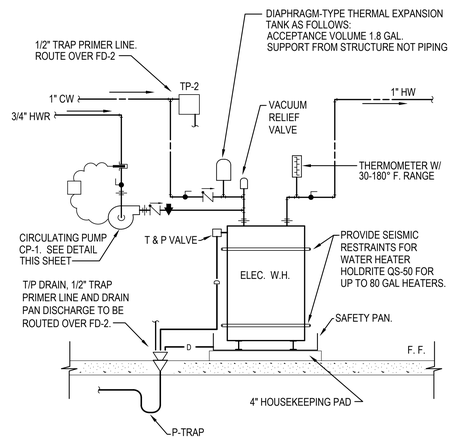


NOTES:
PROVIDE AND INSTALL A NEW LIBERTY SUMP PUMP MODEL NUMBER FL31A. 1/3 H.P., 115V. CAPACITY SHALL BE 50 GPM @ 7' OF HEAD. COORDINATE WITH ELECTRICAL.

1 ELEVATOR SUMP PUMP SCHEMATIC
SCALE: NO SCALE

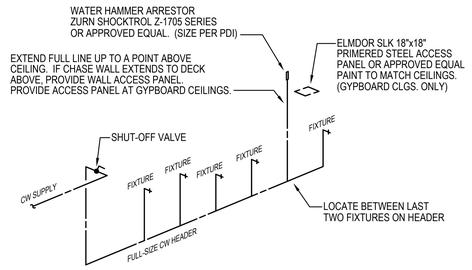


3 DOWNSPOUT BOOT DETAIL
SCALE: NO SCALE

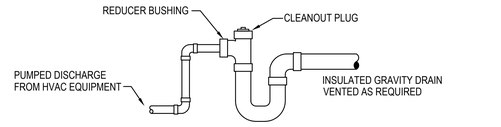


SEE ELECTRIC WATER HEATER SCHEDULE FOR ADDITIONAL INFORMATION

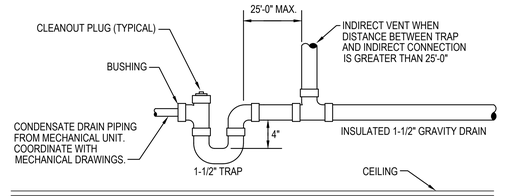
6 ELECTRIC WATER HEATER SCHEMATIC
SCALE: NO SCALE



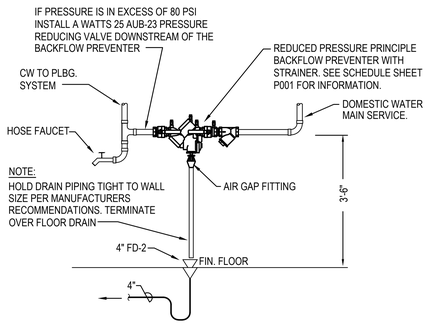
2 WATER HAMMER ARRESTOR DETAIL
SCALE: NO SCALE



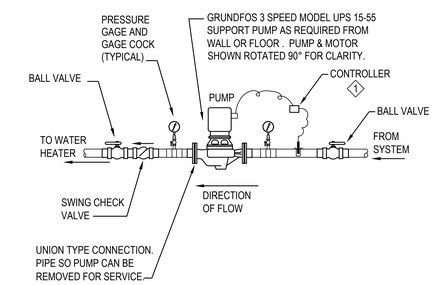
4 PUMPED CONDENSATE CONNECTION TO HVAC UNITS
SCALE: NO SCALE



5 GRAVITY CONDENSATE CONNECTION TO HVAC UNITS
SCALE: NO SCALE



7 BUILDING DOMESTIC BACKFLOW PREVENTER SCHEMATIC
SCALE: NO SCALE



1 ADJUSTABLE IMMERSION THERMOSTAT IN HWR LINE UPSTREAM OF CIRCULATING PUMP SET TO DEENERGIZE PUMP WHEN HWR TEMPERATURE IS 104°F OR HIGHER.

8 INLINE RECIRCULATING PUMP (CP-1) SCHEMATIC
SCALE: NO SCALE

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

DETAILS

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P0.3

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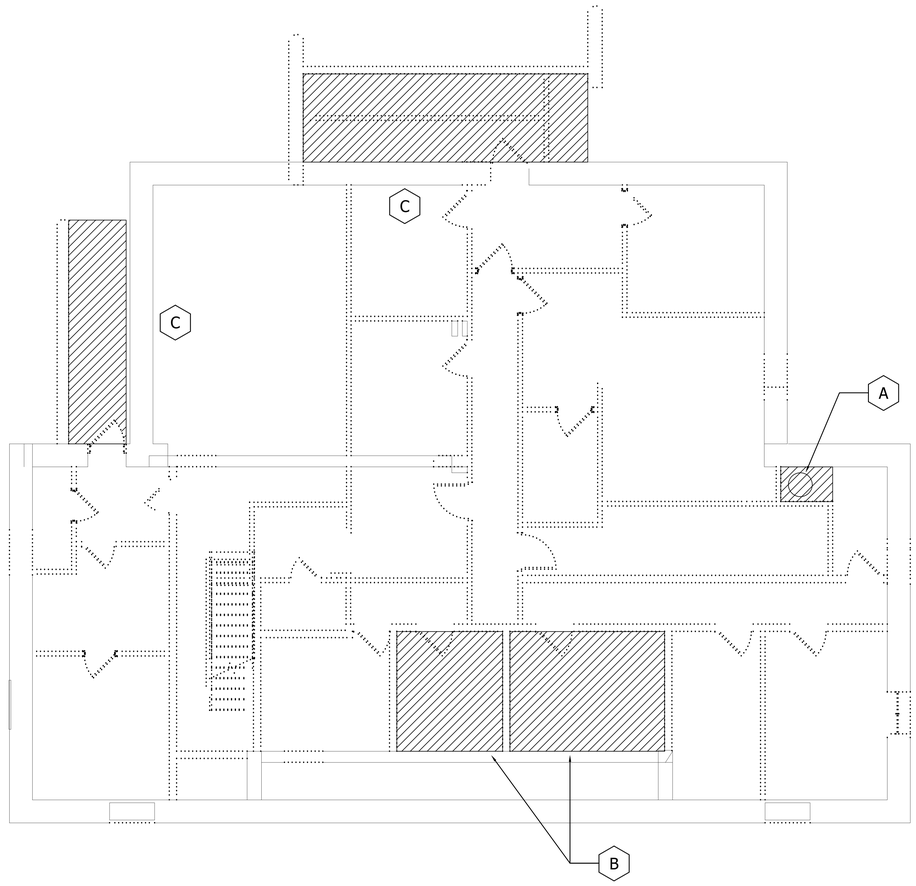

1 BASEMENT - DEMOLITION PLAN
3/16" = 1'-0"

KEYNOTES:

A DEMOLISH EXISTING WATER HEATER. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.

B DEMOLISH EXISTING REST ROOM FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.

C DEMOLISH AND CAP ALL FIXTURES AS NECESSARY.

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1/7/26

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

BASEMENT - DEMOLITION PLAN

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

PD1.0

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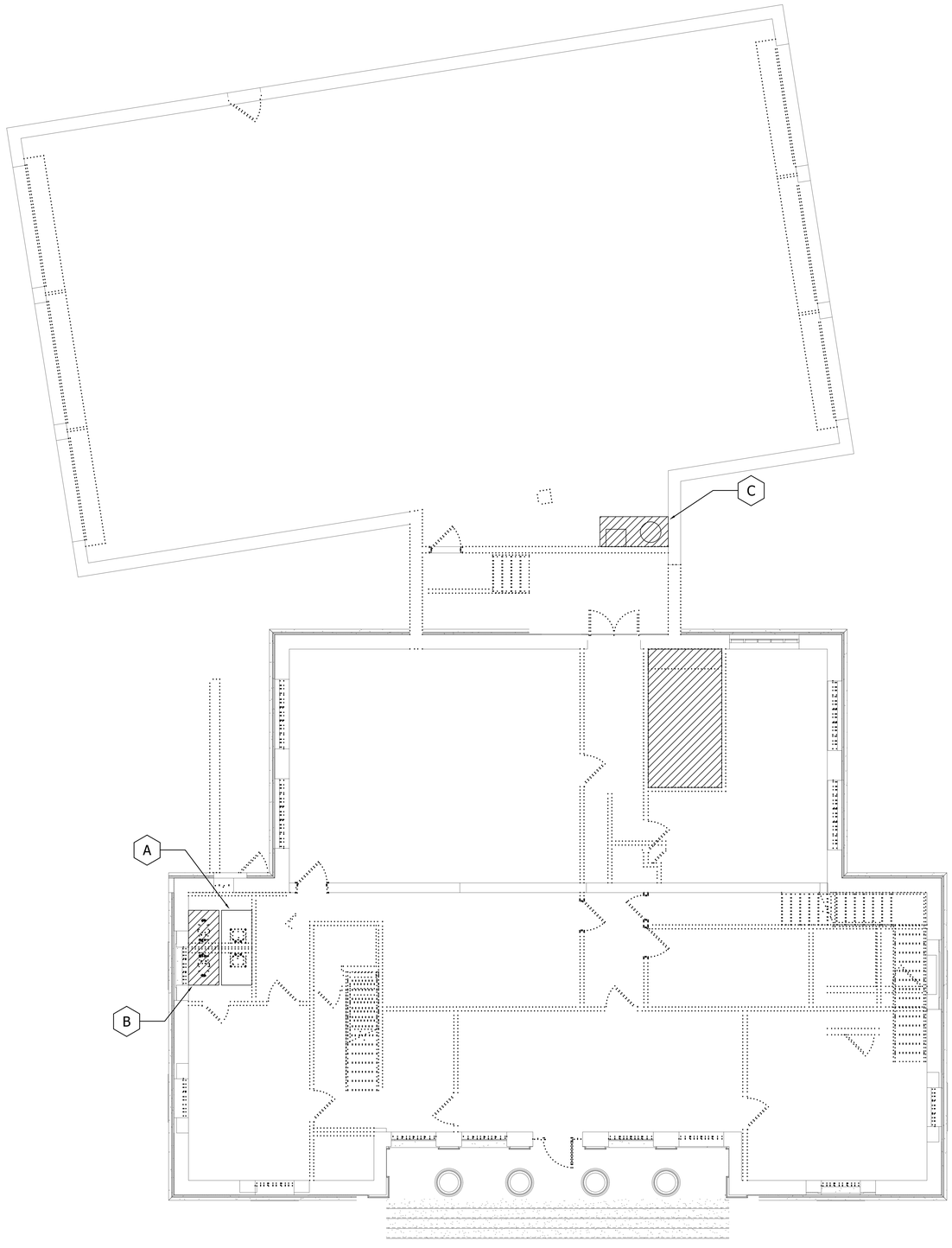
KEYNOTES:

A — CONTRACTOR TO REMOVE, CAREFULLY PRESERVE, AND STORE EXISTING LAVATORIES (P-EX) FROM THESE SPACES. CLEAN AND PREPARE FOR REINSTALLATION IN NEW TOILETS PER RENOVATION DRAWINGS.

B — DEMOLISH EXISTING PLUMBING FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW STAIRWELL.

C — DEMOLISH EXISTING WATER HEATER AND MOP SINK. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.



1 FIRST FLOOR - DEMOLITION PLAN
3/16" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FIRST FLOOR - DEMOLITION PLAN

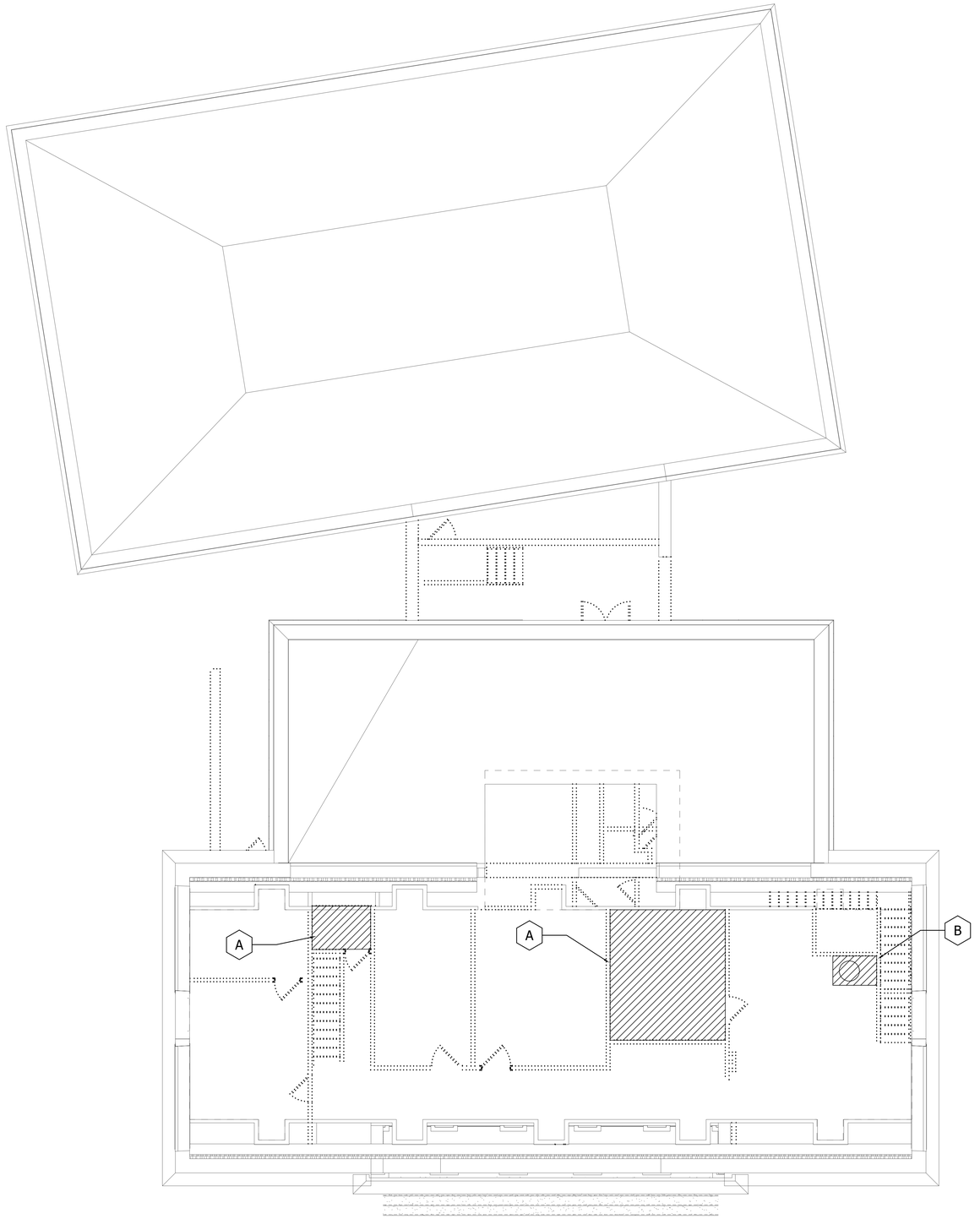
JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

PD1.1

KEYNOTES:

A DEMOLISH EXISTING PLUMBING FIXTURES. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW FLOOR PLAN.

B DEMOLISH EXISTING WATER HEATER. DEMO AND CAP WASTE AND WATER LINES AS NECESSARY FOR NEW CONSTRUCTION.



1 SECOND FLOOR - DEMOLITION PLAN
3/16" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

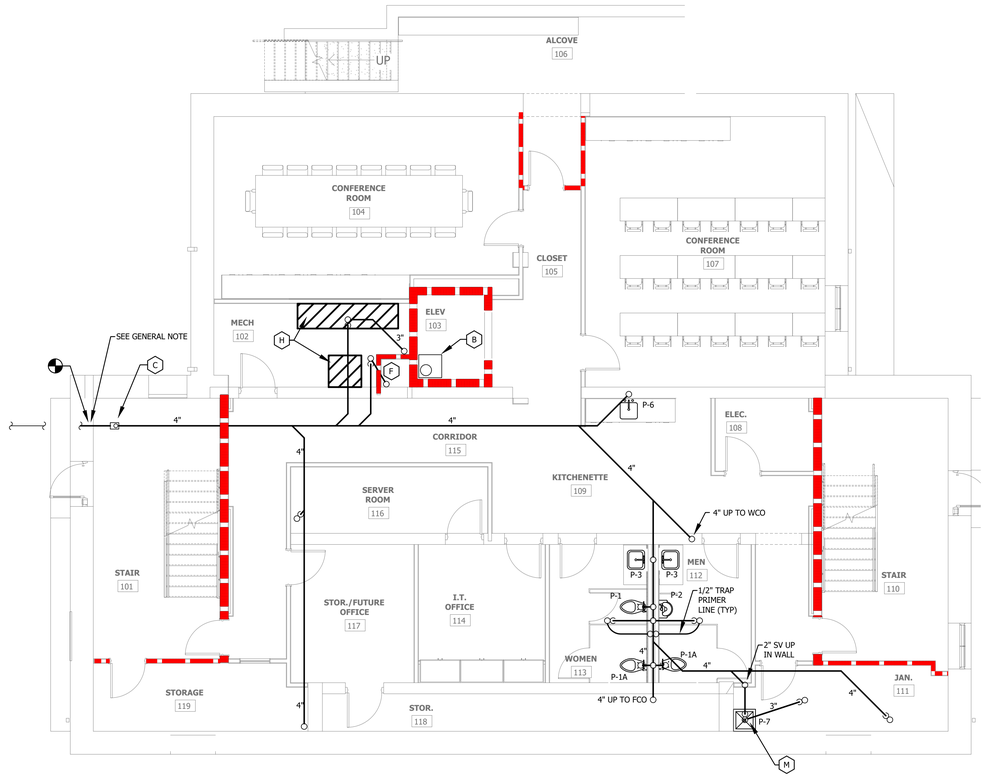
No.	Revision Description	Date

SECOND FLOOR - DEMOLITION PLAN

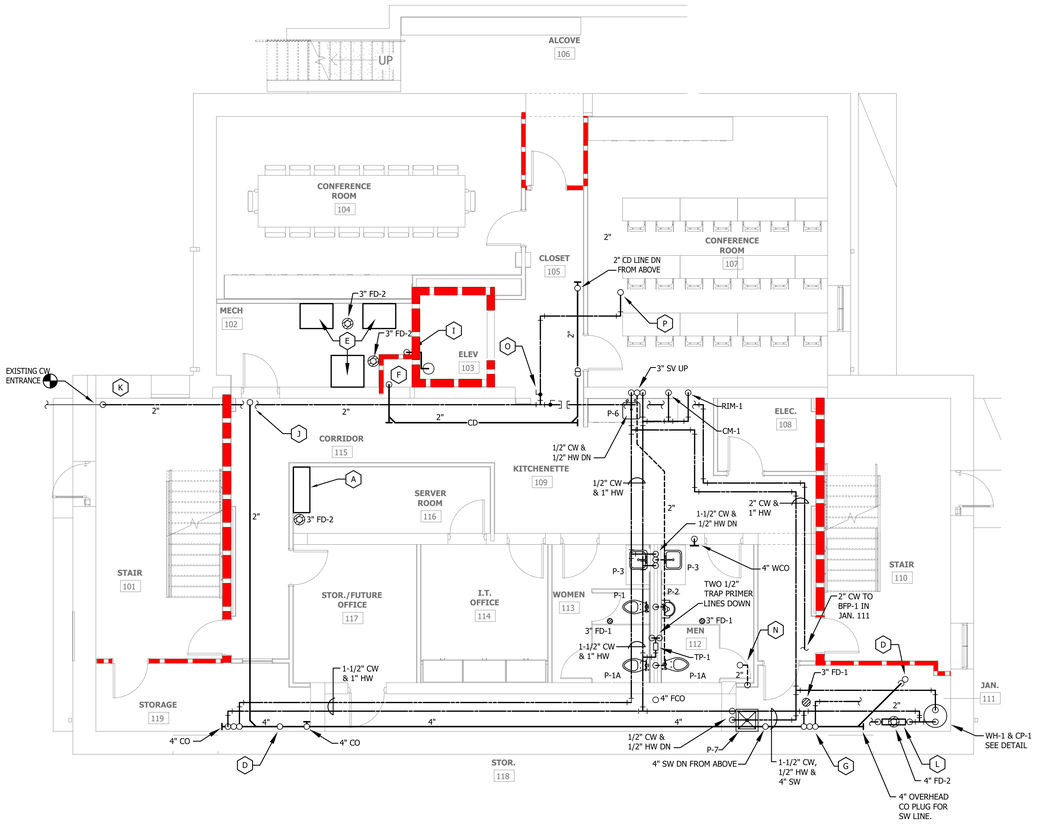
JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

PD1.2

Plotted on: 1/5/2026 1:16:16 PM



1 BASEMENT - BELOW GROUND PLUMBING
3/16" = 1'-0"



2 BASEMENT - ABOVE GROUND PLUMBING
3/16" = 1'-0"

KEYNOTES:

- A — FAN COIL UNIT ON WALL. SEE MECHANICAL DRAWINGS. DISCHARGE CONDENSATE TO FD-2.
- B — SUMP PUMP IN ELEVATOR PIT. SEE ELEVATOR SUMP PUMP SCHEMATIC ON SHEET P0.1 FOR ADDITIONAL INFORMATION.
- C — TIE INTO EXISTING SANITARY WASTE LINE. CONTRACTOR TO VERIFY SIZE AND ELEVATION UPON NOTICE TO PROCEED. PROVIDE RECTORSEAL CLEAN CHECK BACKWATER VALVE. PROVIDE WITH BRASS COVER PLATE FLUSH WITH FINISHED FLOOR.
- D — 2" SW LINE DOWN FROM FIXTURE ABOVE. SEE P1.1.
- E — MECHANICAL AIR HANDLER UNIT. SEE MECHANICAL DRAWINGS. DISCHARGE CONDENSATE TO FD-2.
- F — 2" CD LINE DOWN IN WALL. CONNECT TO TAILPIECE OF FD-2 ABOVE WATER SEAL OF P-TRAP.
- G — 1/2" HWR DOWN FROM ABOVE. ROUTE BACK TO CP-1. SEE DETAILS FOR CONTINUATION. 2" SW LINE DOWN FROM ABOVE. TIE INTO 4" SW LINE. 1-1/2" CW LINE UP TO ABOVE TO SUPPLY LAV. AND WC.
- H — ABOVE GROUND MECHANICAL EQUIPMENT. SEE MECHANICAL PLANS FOR FURTHER DETAIL AND COORDINATE CLEARANCES.
- I — 1-1/2" PUMPED DISCHARGE UP FROM SUMP PUMP IN ELEVATOR PIT. CONNECT TO 3" GRAVITY DRAIN. SEE ELEVATOR SUMP PUMP SCHEMATIC ON SHEET P0.2 FOR ADDITIONAL INFORMATION.
- J — 2" SW LINE DOWN FROM ABOVE. RUN ABOVE CEILING AND TIE INTO WASTE LINE AS SHOWN. SEE P1.1 FOR CONTINUATION ABOVE.
- K — CONNECT TO THE EXISTING 2" DOMESTIC WATER SERVICE AFTER EXISTING PRV AND BALL VALVE. LABEL THE PIPING BETWEEN THE POINT OF ENTRY AND THE NEW BACKFLOW PREVENTER AS "DO NOT CONNECT".
- L — INSTALL NEW BFP-1. SEE DETAIL ON P0.3 AND SCHEDULE ON P0.1 FOR ADDITIONAL INFORMATION.
- M — CONNECT 3" FLOOR DRAIN TO TAILPIECE OF P-7 ABOVE P-TRAP WATER SEAL.
- N — 2" SV UP IN WALL. ROUTE AS SHOWN. TURN SV UP IN WALL ABOVE ON 1ST FLOOR. SEE KEYNOTE I ON P1.1 FOR CONTINUATION.
- O — PROVIDE 2" TEE IN PHASE 1 WITH BALL VALVES AS SHOWN. CAP PHASE 2 SUPPLY UNTIL PHASE 2 CONSTRUCTION BEGINS. UPON INITIATION OF PHASE 2 REMOVE CAP AND ROUTE 2" CW LINE AS SHOWN TO JAN. 111.
- P — 2" CW LINE UP TO ABOVE IN PHASE 2 WORK ROOM WALL. SEE P1.1 FOR CONTINUATION. CW LINE WILL BE INSTALLED DURING PHASE 1 IN EXISTING CORRIDOR WALL. CONTRACTOR SHALL REFER TO EXISTING AND ARCHITECTURAL PLANS TO COORDINATE PIPE LOCATION WITH EXISTING CORRIDOR WALL AND PHASE 2 WORK ROOM WALL. COORDINATE INSTALLATION WITH OWNER AT LEAST 72 HOURS IN ADVANCE. UPON COMPLETION OF INSTALLATION IN PHASE 1 CONTRACTOR SHALL PATCH AND REPAIR ANY AFFECTED AREAS.

PHASING NOTE:

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

GENERAL NOTES:

THE EXACT LOCATIONS OF THE EXISTING SANITARY SEWER IS NOT KNOWN. THE CONTRACTOR SHALL LOCATE THE EXISTING SEWER AND VERIFY THE SIZE DEPTH, AND DIRECTION OF FLOW. THE CONTRACTOR SHALL THEN VERIFY THAT THE EXISTING SANITARY IS CLEAR AND FUNCTIONS PROPERLY BY RODDING AND TELEVISING SANITARY SEWER LINES WITHIN 2 WEEKS OF CONSTRUCTION MOBILIZATION. PROVIDE THE ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

ROD AND TELEVISE SANITARY SEWER LINES AT THE COMPLETION OF CONSTRUCTION (AT LEAST 1 WEEK PRIOR TO ANTICIPATED CERTIFICATE OF OCCUPANCY). PROVIDE FINAL ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

BASEMENT - PLUMBING

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P1.0

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FIRE RATING LEGEND

COLOR (EXISTING / NEW)	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
	FIRE PARTITION		30 MIN.
	FIRE BARRIER		1 HOUR
	FIRE WALL		2 HOUR
			3 HOUR
			4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

PHASING NOTE:

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

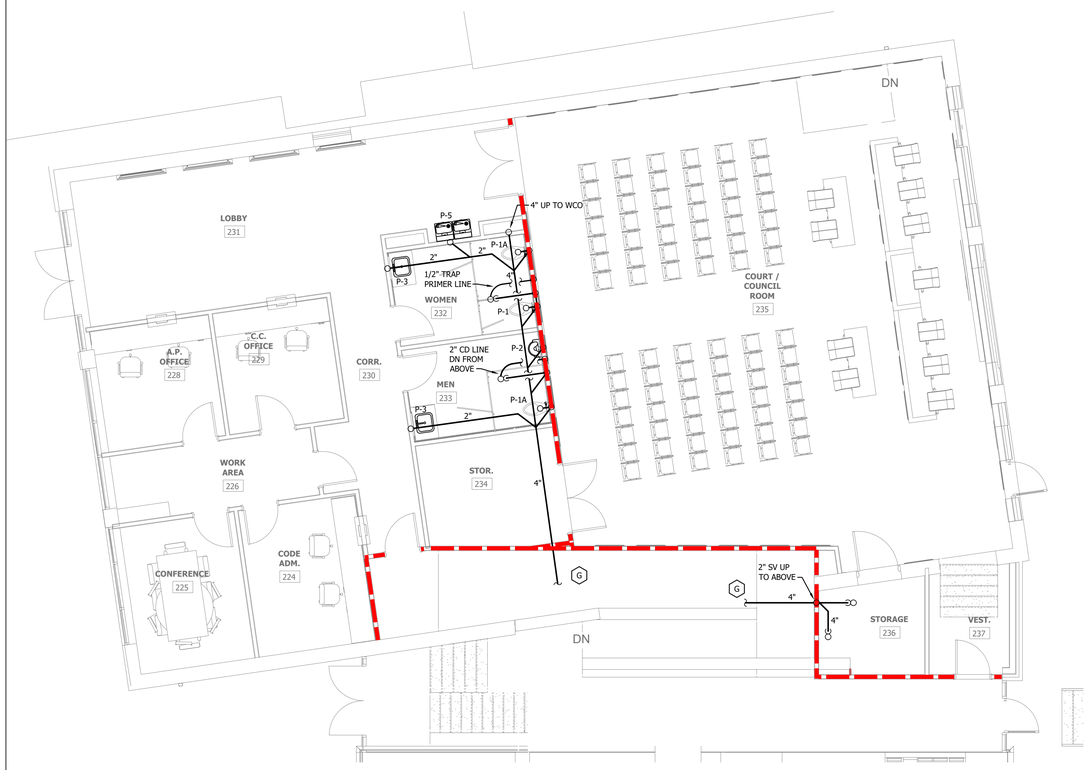
GENERAL NOTES:

THE EXACT LOCATIONS OF THE EXISTING SANITARY SEWER IS NOT KNOWN. THE CONTRACTOR SHALL LOCATE THE EXISTING SEWER AND VERIFY THE SIZE DEPTH, AND DIRECTION OF FLOW. THE CONTRACTOR SHALL THEN VERIFY THAT THE EXISTING SANITARY IS CLEAR AND FUNCTIONS PROPERLY BY RODDING AND TELEVISING SANITARY SEWER LINES WITHIN 2 WEEKS OF CONSTRUCTION MOBILIZATION. PROVIDE THE ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

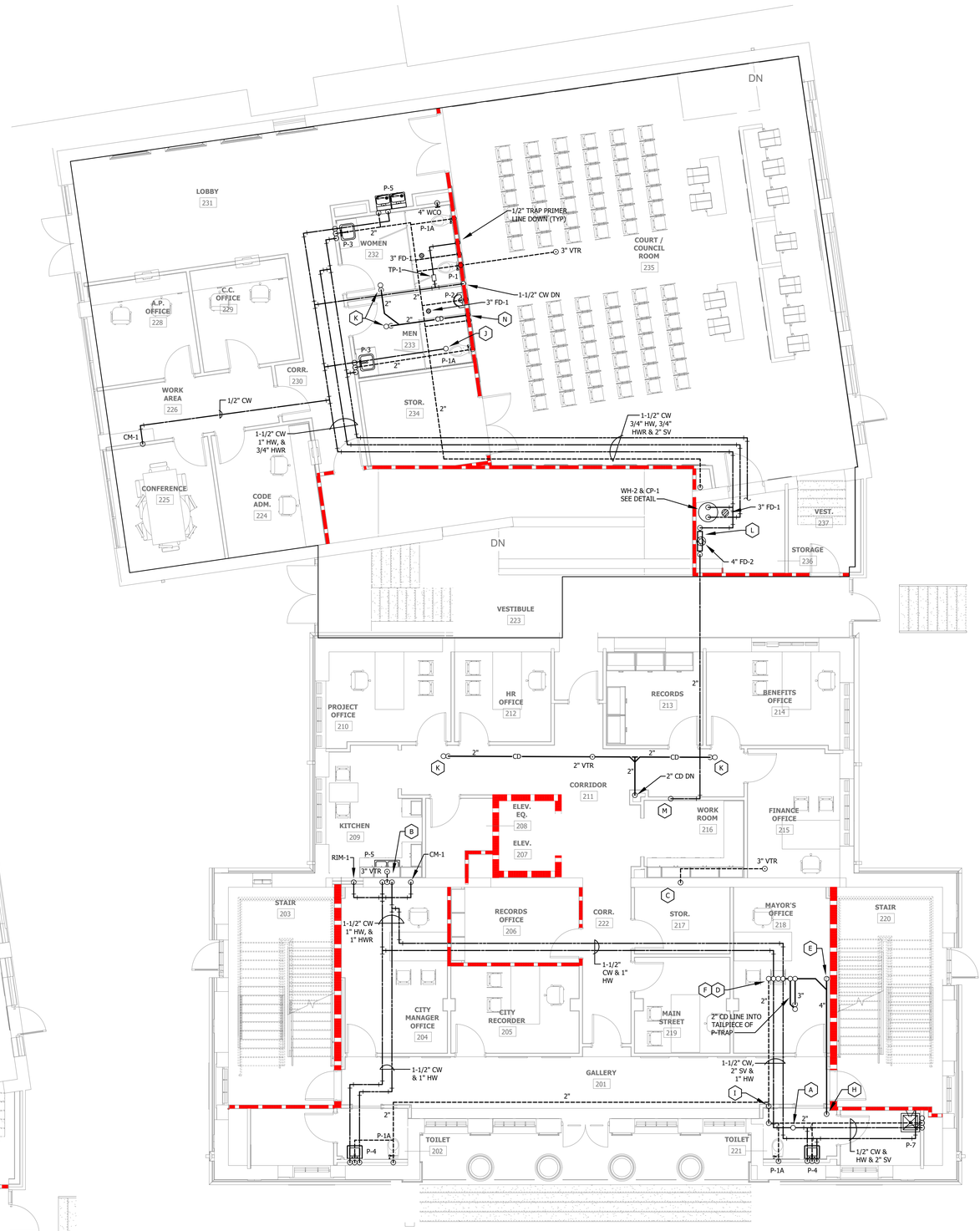
ROD AND TELEVISE SANITARY SEWER LINES AT THE COMPLETION OF CONSTRUCTION (AT LEAST 1 WEEK PRIOR TO ANTICIPATED CERTIFICATE OF OCCUPANCY). PROVIDE FINAL ROUTING REPORT AND CAMERA FOOTAGE TO ALLEN & HOSHALL PROJECT MANAGER.

KEYNOTES:

- A 1/2" CW LINE UP TO COFFEE MAKER ABOVE. SEE P1.2 FOR CONTINUATION.
- B 2" SW DOWN TO ABOVE CEILING IN BASEMENT LEVEL. SEE P1.0 FOR CONTINUATION.
- C 3" SV PIPING FROM BASEMENT TO 3" VTR. SEE P1.0 FOR CONTINUATION.
- D 1/2" HOT WATER AND 1-1/2" COLD WATER LINE UP TO ABOVE. SEE P1.2 FOR CONTINUATION.
- E 4" WASTE DOWN FROM WATER CLOSET ABOVE. SEE P1.2 FOR CONTINUATION.
- F ROUTE SV UP IN WALL ABOVE. SEE P1.2 FOR CONTINUATION. TIE 2" SV OF SINK ABOVE INTO 2" SV AND V.T.R.
- G TIE INTO EXISTING SANITARY WASTE LINE. CONTRACTOR TO VERIFY SIZE AND ELEVATION UPON NOTICE TO PROCEED. REPORT RESULTS TO ENGINEER OF RECORD PROMPTLY AND IN WRITING.
- H 4" WASTE LINE DOWN TO BASEMENT. SEE P1.0 FOR CONTINUATION.
- I CONNECT 2" SV FROM BELOW MARKED KEYNOTE N ON P1.0.
- J 1" CW UP TO ROOF HYDRANT WITH STAINLESS STEEL SHROUD, MALE HOSE FITTING, VACUUM BREAKER AND DOME HANDLE: EQUAL TO MAPA #MPH-24D:24/9. INSTALL IN COMPLIANCE WITH MANUFACTURER'S INSTRUCTIONS.
- K 2" P-TRAP ABOVE CEILING TO SERVE ROOF TOP AIR HANDLING UNIT CONDENSATE. EXTEND 2" TRAP INLET TO ABOVE ROOF ELEVATION. COORDINATE EXACT LOCATION WITH HVAC CONTRACTOR. SEE MECH SECTION FOR DETAIL.
- L INSTALL NEW BFP-2. SEE DETAIL ON P0.3 AND SCHEDULE ON P0.1 FOR ADDITIONAL INFORMATION.
- M 2" CW LINE UP FROM BELOW IN PHASE 2 WORK ROOM WALL. SEE P1.0 FOR SUPPLY. CW LINE WILL BE INSTALLED DURING PHASE 1 IN EXISTING CORRIDOR WALL. CONTRACTOR SHALL REFER TO EXISTING AND ARCHITECTURAL PLANS TO COORDINATE PIPE LOCATION WITH EXISTING CORRIDOR WALL AND PHASE 2 WORK ROOM WALL. COORDINATE INSTALLATION WITH OWNER AT LEAST 72 HOURS IN ADVANCE. UPON COMPLETION OF INSTALLATION IN PHASE 1 CONTRACTOR SHALL PATCH AND REPAIR ANY AFFECTED AREAS.
- N 2" CD LINE DOWN TO BELOW. ROUTE BELOW SLAB AND TIE INTO TAILPIECE OF FD-1 ABOVE WATER SEAL OF P-TRAP.



1 **FIRST FLOOR - BELOW GROUND PLUMBING**
3/16" = 1'-0"



2 **FIRST FLOOR - ABOVE GROUND PLUMBING**
3/16" = 1'-0"

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CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FIRST FLOOR - PLUMBING

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P1.1

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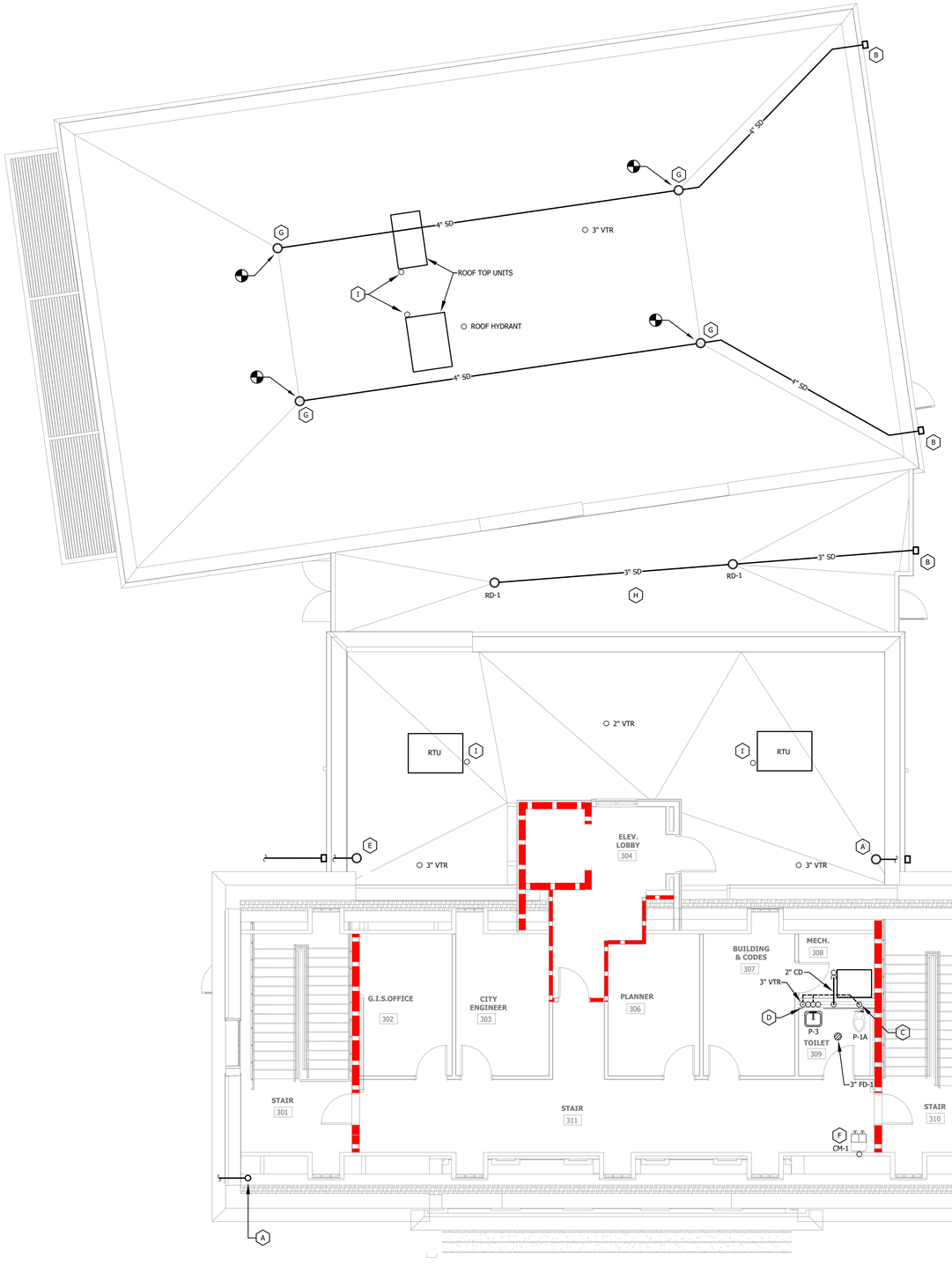

1 **SECOND FLOOR - PLUMBING**
3/16" = 1'-0"

PHASING NOTE:

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

KEYNOTES:

A. EXISTING ROOF DRAIN AND STORM DRAIN PIPING TO REMAIN SPILLING INTO EXTERIOR CONDUCTOR HEAD AND DRAIN TO GRADE. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS.

B. NEW STORM DRAIN PIPE TO SPILL INTO CONDUCTOR HEAD AND DRAIN ONTO GRADE. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS.

C. 4" SW LINE DOWN TO BELOW. SEE P1.1 FOR CONTINUATION.

D. 1/2" HW AND 1-1/2" CW UP FROM BELOW. SEE P1.1 FOR CONTINUATION.

E. EXISTING ROOF DRAIN AND INTERIOR STORM DRAIN PIPING TO REMAIN. SPILL INTO NEW CONDUCTOR HEAD AND ROUTE GUTTER BELOW SIDEWALK AS SHOWN IN DETAIL 4/P0.2. SEE ARCHITECTURAL PLANS FOR DOWNSPOUTS AND CONDUCTOR HEAD. SEE CIVIL PLANS FOR UNDERGROUND CONTINUATION.

F. 1/2" CW LINE UP FROM BELOW TO FEED COFFEE MAKER. SEE P1.1 FOR CONTINUATION.

G. EXISTING ROOF DRAINS TO REMAIN. DEMO EXISTING PIPING AND ROUTE NEW STORM DRAIN PIPING AS SHOWN.

H. NEW ROOF DRAINS AND STORM DRAIN PIPING TO BE INSTALLED AS SHOWN. SPILL INTO CONDUCTOR HEAD AND DRAIN TO GRADE.

I. 2" CD LINE DOWN TO BELOW. SEE P1.1 FOR CONTINUATION.

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ARCHITECTURAL PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITIY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

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No.	Revision Description	Date

SECOND FLOOR - PLUMBING

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P1.2

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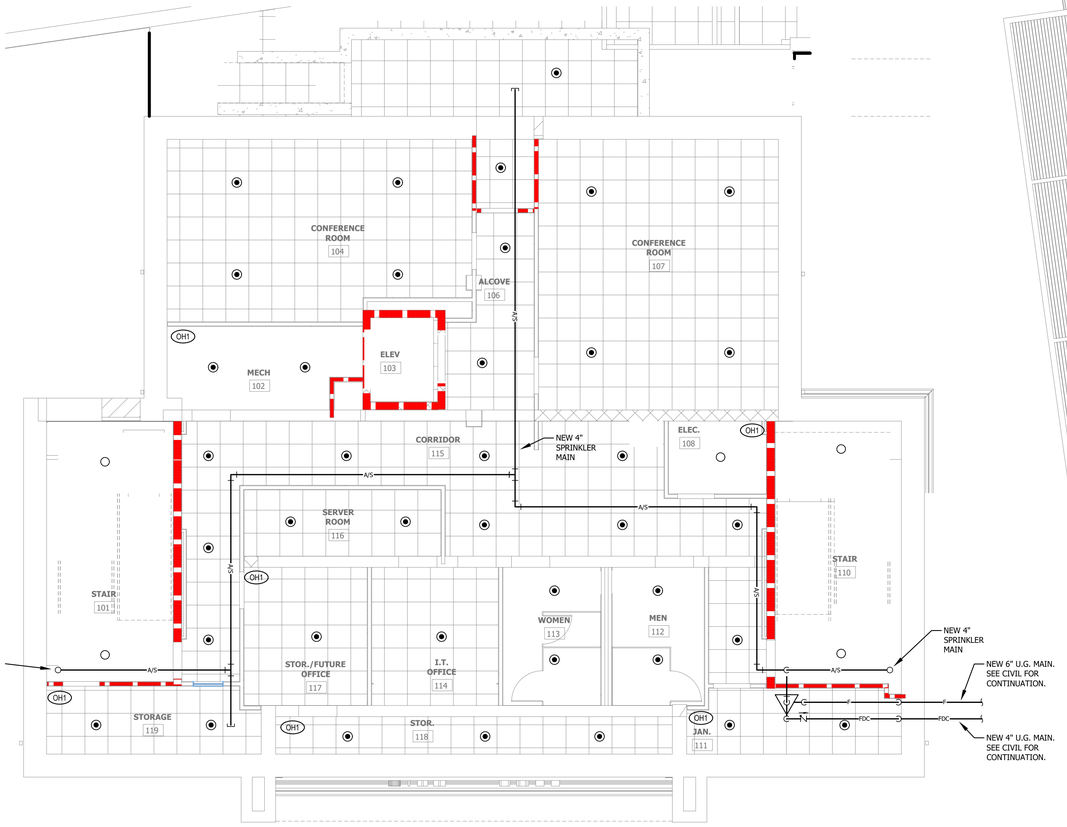
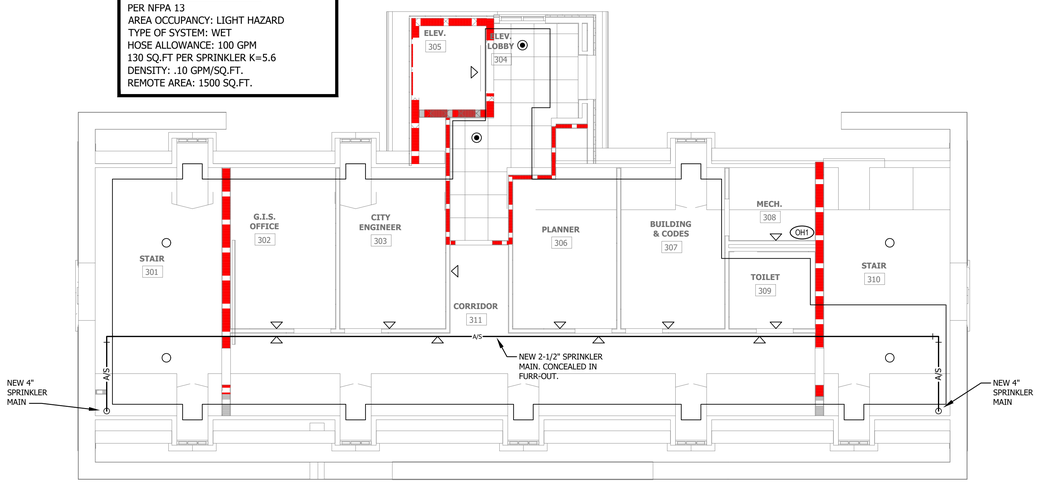
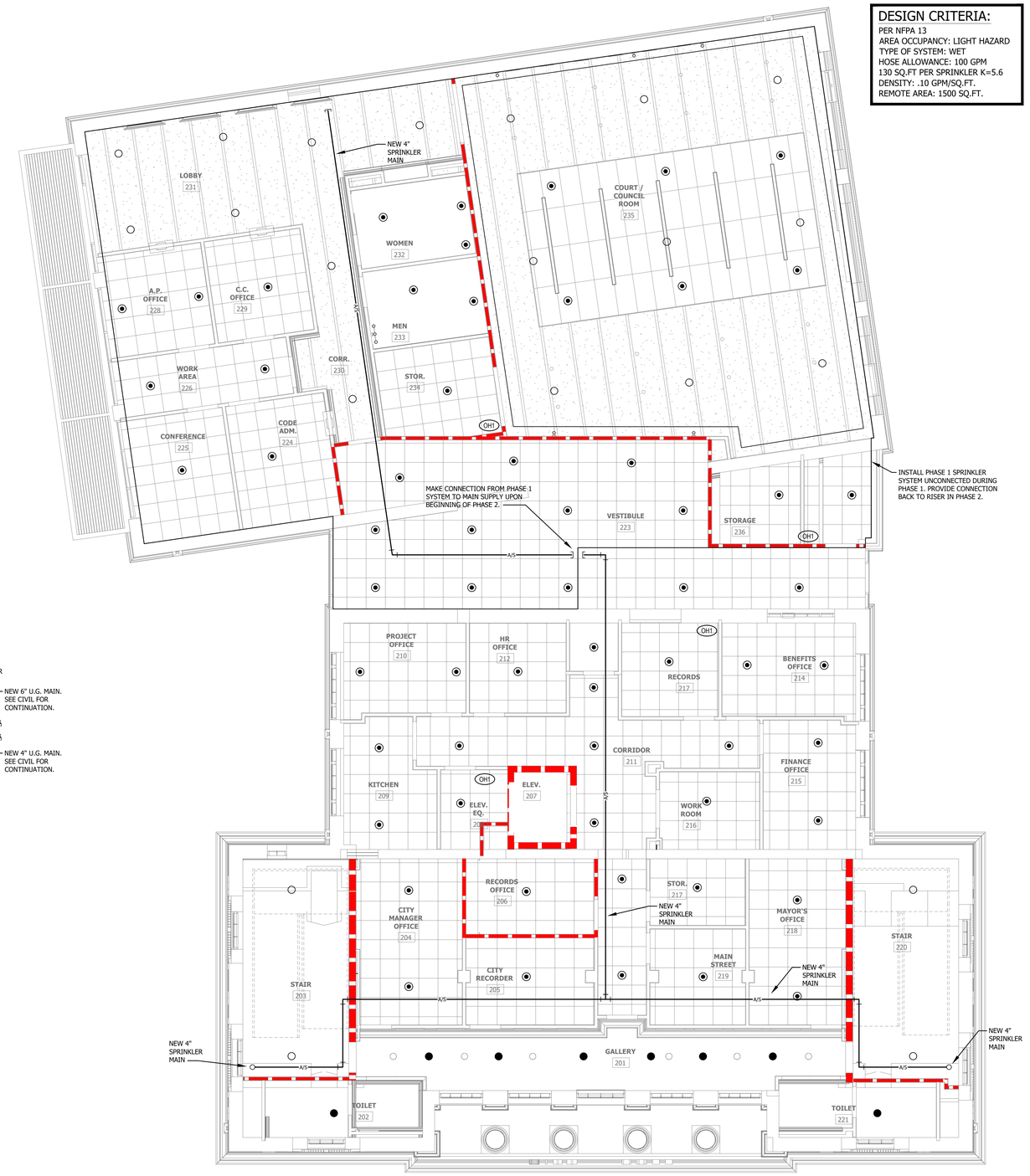


1 BASEMENT - FIRE PROTECTION
3/16" = 1'-0"

DESIGN CRITERIA:
PER NFPA 13
AREA OCCUPANCY: LIGHT HAZARD
TYPE OF SYSTEM: WET
HOSE ALLOWANCE: 100 GPM
130 SQ.FT PER SPRINKLER K=5.6
DENSITY: .10 GPM/SQ.FT.
REMOTE AREA: 1500 SQ.FT.



3 SECOND FLOOR - FIRE PROTECTION
3/16" = 1'-0"



2 FIRST FLOOR - FIRE PROTECTION
3/16" = 1'-0"

PHASING NOTE:

REFER TO ARCHITECTURAL PLAN A0.3 FOR PROJECT PHASING.

FIRE RATING LEGEND

COLOR (EXISTING / NEW)	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
	FIRE PARTITION		30 MIN.
	FIRE BARRIER		1 HOUR
	FIRE WALL		2 HOUR
			3 HOUR
			4 HOUR

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SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

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EDISON R. TURNER REGISTERED ENGINEER DESIGNED AGRICULTURE SUMMERS NO. 124585 STATE OF TENNESSEE 1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FIRE PROTECTION PLANS

JOB NO: 63492 DRAWN: ART
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

P2.0

Plotted on: 1/5/2026 1:16:16 PM

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITIY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

		MANUAL ON/OFF	AUTO ON FULL	AUTO ON PARTIAL	DIMMING	DAYLIGHT	AUTO OFF	TIMER CONTROL	
101	STAIR	✓							
102	MECH	✓							
103	ELEV	✓							
104	CONFERENCE ROOM	✓		✓			✓		
105	CLOSET			✓			✓		
106	JAN	✓					✓		
107	CONFERENCE ROOM	✓		✓			✓		
108	ELEC.	✓							
109	KITCHENETTE	✓							
110	STAIR	✓					✓		
111	JAN.	✓					✓		
112	STOR.			✓			✓		
113	MEN			✓			✓		
114	WOMEN			✓			✓		
115	LT. OFFICE			✓			✓		
116	STORAGE			✓			✓		
117	CORRIDOR	✓							
118	SERVER ROOM	✓							
119	STOR./FUTURE OFFICE			✓			✓		
120	STOR.			✓			✓		
121	STORAGE			✓			✓		
122	ELECTRICAL	✓							
123	VESTIBULE	✓							
200	GALLERY	✓	✓				✓		
201	GALLERY	✓	✓				✓		
202	TOILET			✓			✓		
203	STAIR	✓							
205	CITY RECORDER			✓			✓		
206	RECORDS OFFICE			✓			✓		
207	ELEV.	✓							
208	ELEV. EQ.	✓							
209	KITCHEN	✓							
210	PROJECT OFFICE			✓			✓		
211	CORRIDOR	✓							
212	HR OFFICE			✓			✓		
213	FUTURE OFFICE			✓			✓		
214	BENEFITS OFFICE			✓			✓		
215	FINANCE OFFICE			✓			✓		
216	WORK ROOM			✓			✓		
217	STOR.			✓			✓		
218	RECORDS			✓			✓		
219	MAYOR'S OFFICE			✓			✓		
220	MAIN STREET	✓		✓			✓		
221	STAIR	✓							
222	TOILET			✓					
223	CORR.	✓							
224	VESTIBULE	✓							
225	VESTIBULE	✓							
226	CODE ADM.			✓			✓		
227	CONFERENCE	✓		✓			✓		
228	WORK AREA			✓			✓		
229	C.O. OFFICE			✓			✓		
230	CORR.	✓							
231	LOBBY	✓							
232	WOMEN			✓			✓		
233	MEN			✓			✓		
234	JUDGE			✓			✓		
235	STOR.		✓						
236	COURT / COUNCIL ROOM			✓			✓		
237	STORAGE		✓				✓		
238	VEST.	✓							
301	STAIR	✓							
302	C.I.S. OFFICE			✓			✓		
303	CITY ENGINEER			✓			✓		
304	ELEV. LOBBY	✓							
305	ELEV.	✓							
306	PLANNER			✓			✓		
307	BUILDING & CODES			✓			✓		
308	MECH.	✓							

LEGEND

- RECESSED LIGHTING FIXTURE
- SURFACE, WALL OR PENDENT MTD. LIGHTING FIXTURE
- SURFACE, WALL OR PENDENT MTD. LIGHTING FIXTURE ON EMERGENCY CIRCUIT
- RECESSED DOWNLIGHT FIXTURE
- EXIT SIGN, FIXTURE TYPE "E" (UOI) - FACE & DIRECTIONAL ARROWS AS INDICATED
- A — DENOTES FIXTURE TYPE A - SEE FIXTURE SCHEDULE
- $ — LOW-VOLTAGE SWITCH - MTD. 48" AFF, UOI
- $D — LOW-VOLTAGE DIMMING SWITCH - MTD. 48" AFF, UOI
- $LV — SPST SWITCH, CENTER MTD. 48" AFF, UOI.
- $OS — SPST SWITCH - CENTER MTD. 48" AFF, UOI.
- PD — LIGHTING ROOM CONTROLLER WITH DIMMING FUNCTIONALITY
- D — LOW VOLTAGE DAY LIGHT SENSOR
- DT — LOW VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR
- DUPLEX RECEPTACLE, MTD. 18" AFF, UOI
- TV — DUPLEX RECEPTACLE FOR TV - SEE ELECTRICAL FLOOR PLANS FOR MOUNTING HEIGHT
- DOUBLE-DUPLEX RECEPTACLE, MTD. 18" AFF, UOI
- GROUND-FAULT CIRCUIT INTERRUPTER / ARC FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE, MTD. 18" AFF, UOI
- WP — GROUND-FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE WITH WEATHERPROOF WHILE-IN-USE COVER, MTD. 18" AFF, UOI
- SLASH THROUGH DEVICE INDICATES ABOVE COUNTER MOUNTING HEIGHT
- SIMPLEX RECEPTACLE, MTD. 18" AFF, UOI
- FBx — IN-GROUND FLOOR BOX FLUSH WITH FINISHED FLOOR. x DENOTES THE TYPE - SEE FOR FLOORBOX SCEDHULE ON SHEET E4.1.
- 1D — DATA RECEPTACLE, MTD. 18"AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI
- PHONE RECEPTACLE, MTD. 18"AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP - 1 DROP, UOI
- COMBINATION DATA AND PHONE RECEPTACLE, MTD. 18"AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE - 1 DROP, UOI
- C — CARD READER JUNCTION BOX MTD. 40" AFF, UOI - RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE AND ROUTE 1 DROP BACK TO SERVER ROOM WITH CAT6 CABLE
- S — ELECTRONIC STRIKE PLATE LOCATED IN DOOR FRAME. RUN 3/4" CONDUIT UP TO NEAREST ACCESSIBLE CEILING SPACE
- DATA RECEPTACLE, CEILING MTD. ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI.
- C — DATA RECEPTACLE, CEILING MTD - CAMERA LOCATION. ROUTE 1 DATA DROP BACK TO SERVER ROOM WITH CAT6 CABLE- 1 DROP, UOI.
- J — JUNCTION BOX
- FUSED OR NON-FUSED DISCONNECT SWITCH, LOCKABLE - SIZE AS INDICATED. NUMBERS INDICATE: DISCONNECT SIZE (FUSE SIZE) - AND NUMBER OF POLES. NF INDICATES NON-FUSES
- SM — MOTOR RATED SWITCH - ADJACENT TO EQUIPMENT. SIZE AS REQUIRED.

- 120/208V 3PH, 4W PANELBOARD - SEE SINGLE LINE DIAGRAM
- T — TRANSFORMER
- WIRE IN CONDUIT RUN OVERHEAD - CONCEALED IN OR ABOVE CEILING
- INDICATES GROUNDING CONDUCTOR
- WIRE IN CONDUIT RUN BELOW GRADE
- MTD — MOUNTED
- PND — PENDANT
- WP — NEMA-3R RATED ENCLOSURE
- AFF — ABOVE FINISHED FLOOR
- AFG — ABOVE FINISHED GRADE
- BFG — BELOW FINISHED GRADE
- UOI — UNLESS OTHERWISE INDICATED
- AC — ABOVE COUNTER - COORDINATE WITH ARCHTECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- EX — EXISTING
- XFMR — TRANSFORMER
- OFCI — OWNER FURNISHED CONTRACTOR INSTALLED
- FACP — FIRE ALARM SYSTEM - CONTROL PANEL
- FAA — FIRE ALARM SYSTEM - ANNUNCIATOR PANEL
- TYP — TYPICAL
- EWC — ELECTRIC WATER COOLER
- S — FIRE ALARM SYSTEM - SMOKE DETECTOR, CEILING MOUNTED
- SD — FIRE ALARM SYSTEM - SMOKE DETECTOR MTD IN DUCT, COORDINATE WITH MECHANICAL CONTRACTOR
- H — FIRE ALARM SYSTEM - HEAT DETECTOR, CEILING MOUNTED
- SC — FIRE ALARM SYSTEM - SMOKE AND CARBON MONOXIDE COMBINATION DETECTOR WITH 520 HZ SOUNDER BASE, CEILING MOUNTED
- F — FIRE ALARM SYSTEM - MANUAL STATION, MTD. 48" AFF, UOI
- FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR, CEILING MTD
- S — FIRE ALARM SYSTEM - COMBINATION AUDIBLE & VISUAL INDICATOR, WALL MTD
- V — FIRE ALARM SYSTEM - VISUAL SIGNAL DEVICE
- TS — FIRE ALARM SYSTEM - TAMPER SWITCH
- FS — FIRE ALARM SYSTEM - FLOW SWITCH
- PS — FIRE ALARM SYSTEM - PRESSURE SWITCH
- PIV — FIRE ALARM SYSTEM - POST INDICATOR VALVE - PROVIDE TAMPER SWITCH CONNECTION
- FB — FIRE ALARM SYSTEM - LOW VOLTAGE FIRE BELL

GENERAL AND DEMOLITION NOTES

1. ALL CIRCUITRY (WIRES, CONDUITS, CONTROLS, DISCONNECTS, ETC.) FOR MECHANICAL ITEMS BEING DEMOLISHED SHALL BE DEMOLISHED BACK TO THE PANEL FROM WHICH THEY ARE SERVED, UOI. SEE MECHANICAL DEMOLITION SHEETS FOR EXACT LOCATIONS AND COORDINATE WITH MECHANICAL/CONTROLS CONTRACTOR.
2. ALL LOW VOLTAGE WIRING NOT INSTALLED IN CONDUIT SHALL BE PLENUM RATED.
3. ELECTRICAL BOXES ON THE SAME OR OPPOSITE FACES OF THE SAME FIRE-RESISTANT WALL SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES (MINIMUM). FOR INSTANCES IN WHICH THIS 24 INCH SEPARATION CANNOT BE MAINTAINED, CONTRACTOR SHALL PROVIDE FIRE RETARDANT WRAP FOR ELECTRICAL BOXES - ENSURE WALL FIRE RATING IS PROPERLY MAINTAINED.
4. ANY NON-FUSED DISCONNECT (REGARDLESS OF WHO PROVIDES IT) SHALL BE SERVED FROM A HACR RATED BREAKER IN THE PANEL IT IS FED FROM.
5. ANY DEMOLISHED, MODIFIED OR NEW CIRCUITS SHALL BE CLEARLY RECORDED AT THE PANEL WITH NEW, TYPED DIRECTORIES. SPARE BREAKERS SHALL BE CLEARLY LABELED AS "SPARE". IN ADDITION, CONTRACTOR SHALL LABEL EACH NEW PIECE OF MECHANICAL EQUIPMENT WITH ITS CORRESPONDING CIRCUIT # AND PANEL LOCATION USING A TYPED LABEL (LOCATED WHERE EASILY VISIBLE).
6. CONTRACTOR SHALL VERIFY THAT ALL NEW MECHANICAL EQUIPMENT INSTALLED HAS A SERVICE RECEPTACLE LOCATED WITHIN 25' OF IT. IF A SERVICE RECEPTACLE DOES NOT EXIST WITHIN 25', CONTRACTOR SHALL PROVIDE A SERVICE RECEPTACLE FOR ALL NEW MECHANICAL EQUIPMENT AS REQUIRED BY ALL APPLICABLE CODES AND CONTRACT SPECIFICATIONS. REQUIREMENTS SHALL BE UNDERSTOOD BY CONTRACTOR CONDUCTING SITE VISIT PRIOR TO BID.
7. CONTRACTOR SHALL INSTALL ALL CIRCUITS IN THE PANELBOARD IN A BALANCED MANNER, RESULTING IN BUS LOADS THAT ARE DISTRIBUTED AS EVEN AS POSSIBLE AND DO NOT EXCEED THE BUS AMP RATING.
8. CONTRACTOR SHALL VERIFY EQUIPMENT GROUND IS PRESENT FOR ALL EXISTING CIRCUITS SERVING NEW ITEMS. IF NO GROUND IS PRESENT, CONTRACTOR SHALL UTILIZE EXISTING CONDUITS/RACEWAYS AS EQUIPMENT GROUNDING MEANS. CONTRACTOR SHALL TEST AND VERIFY CONTINUITY OF CONDUITS/RACEWAYS. CONTRACTOR SHALL PROVIDE AND INSTALL GROUNDING CLAMPS AND BONDING JUMPERS AS REQUIRED TO PROVIDE A CONTINUOUS GROUNDING PATH.
9. CONTRACTOR SHALL ENSURE ALL EXISTING DUCT-MOUNTED SMOKE DETECTORS MAINTAIN PRE-CONSTRUCTION FUNCTIONALITY. EXISTING DUCT DETECTORS INTERLOCKED WITH EQUIPMENT BEING REPLACED SHALL BE INTERLOCKED WITH THE NEW EQUIPMENT AND PROVIDE SIMILAR EQUIPMENT SHUTDOWN. PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED FOR FULLY FUNCTIONAL SYSTEM PER ALL APPLICABLE CODES.
10. CONTRACTOR SHALL PROPERLY SEAL ALL NEW FIRE WALL PENETRATIONS AS REQUIRED PER ALL APPLICABLE CODES.
11. ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION, AND TESTING OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM.
12. THE FIRE ALARM CONTROL PANEL CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT." THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
13. ALL ELECTRICAL SUBMITTALS SHALL BE ON LOCAL MANUFACTURER'S LETTERHEAD.

GENERAL PROVISIONS, ELECTRICAL

CONTRACTOR'S RESPONSIBILITY

1. CONTRACTOR AGREES TO ASSUME RESPONSIBILITY FOR LIABILITY, WORKMANSHIP, AND QUALITY OF MATERIALS CONCERNING WORK SUBLET TO OTHERS. ALL WORK SHALL BE INSTALLED UNDER THE CONSTANT SUPERVISION OF A QUALIFIED SUPERINTENDENT AND BY SKILLED AND QUALIFIED ELECTRICIANS.
2. DRAWINGS ARE GENERALLY ORGANIZED BY DISCIPLINE FOR CONVENIENCE. CONTRACTOR IS RESPONSIBLE FOR ALL ELECTRICAL DEVICES, EQUIPMENT, LABOR, ECT SHOWN WITHIN THE CONTRACT DOCUMENTS.

CODES AND FEES

3. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LOCAL CODES, THE NATIONAL ELECTRICAL CODE, AND THE NATIONAL ELECTRICAL SAFETY CODE.
4. ALL ELECTRICAL MATERIALS SHALL HAVE UNDERWRITERS' APPROVAL WHERE APPLICABLE, AND SHALL BE SO LABELED WHERE UL LABELING IS CUSTOMARY.
5. ALL ELECTRICAL EQUIPMENT SHALL CONFORM TO APPLICABLE NEMA STANDARDS WHETHER SPECIFIED HEREINAFTER OR NOT, AND TO OTHER APPLICABLE STANDARDS WHICH MAY BE SPECIFIED HEREINAFTER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCAL PERMITS, PAYMENT OF FEES AND NOTIFICATION FOR INSPECTION BY CODE AUTHORITIES CONSISTENT WITH THE SCHEDULE OF WORK.

ACCURACY OF DATA AND DRAWINGS

7. DRAWINGS AND DATA: ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC, AND WHERE NOT DIMENSIONED OR DETAILED, INDICATE APPROXIMATE LOCATIONS AND GENERAL ARRANGEMENTS OF ELECTRICAL WORK. ALL ELECTRICAL WORK OFFSETS, RISES, AND FITTINGS ARE NOT NECESSARILY SHOWN; HOWEVER, PROVIDE THESE AS REQUIRED BY THE CONDITIONS INVOLVED.
8. BUILDING AND STRUCTURE DIMENSIONS: TAKE THESE FROM ARCHITECTURAL AND STRUCTURAL DRAWINGS AND FROM ACTUAL MEASUREMENTS MADE BY ELECTRICAL SECTION OF EACH EXISTING BUILDING AND EACH EXISTING STRUCTURE INVOLVED.
9. EQUIPMENT NOT FURNISHED BY ELECTRICAL SECTION BUT REQUIRING ELECTRICAL CONNECTIONS: FROM OTHER SECTIONS AND OTHERS FURNISHING THIS EQUIPMENT, DETERMINE EXACT ELECTRICAL CONNECTION REQUIREMENTS THEREFORE; LOCATIONS AND ARRANGEMENTS OF ELECTRICAL CONNECTIONS INDICATED FOR THIS EQUIPMENT ARE APPROXIMATE ONLY.

EQUIPMENT LISTS, SHOP DRAWINGS, SAMPLES AND SUBMITTALS

10. SUBMIT UNDER PROVISIONS OF GENERAL CONDITIONS AND ADMINISTRATIVE REQUIREMENTS AS DEFINED BY FRONT END SPECIFICATIONS PROVIDED BY ARCHITECT.
11. SUBMISSION MATERIAL AND ALL SHOP DRAWINGS FOR THE VARIOUS ITEMS OF EQUIPMENT SHALL BE MARKED WITH THE RESPECTIVE MARK NUMBER OR IDENTIFICATION OF THE EQUIPMENT SHOWN ON THE DRAWINGS OR SPECIFIED. THE SHOP DRAWINGS SHALL LIST ALL RATINGS, CAPACITIES, ACCESSORIES, AND OTHER PERTINENT DATA TO SHOW THAT THE PROPOSED ITEM IS AS CALLED FOR AND AS SPECIFIED.

QUALITY CONTROL

12. COMPLY WITH SECTION 00700 GENERAL CONDITIONS.
13. QUALIFICATIONS: WHERE SPECIFIC QUALIFICATIONS ARE SPECIFIED IN INDIVIDUAL SPECIFICATION SECTION, PROVIDE REQUIRED DATA WITH SUBCONTRACTOR LIST.

GUARANTEE

14. COMPLY WITH REQUIREMENTS OF ARCHITECT'S GENERAL CONDITIONS. AT A MINIMUM GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

EQUIPMENT INSTALLATION

15. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH APPLICABLE MANUFACTURER'S DRAWINGS AND RECOMMENDATIONS.
16. IDENTIFICATION OF CIRCUITS AND EQUIPMENT: IDENTIFICATION DESIGNATIONS SHALL CORRESPOND TO THOSE INDICATED ON ELECTRICAL DRAWINGS AND AS SPECIFIED IN CORRESPONDING ARTICLES DESCRIBING THE EQUIPMENT.

ALTERATIONS AND ADDITIONS TO EXISTING ELECTRICAL WORK

17. MAKE ALTERATIONS AND ADDITIONS TO EXISTING ELECTRICAL WORK AS INDICATED, AND AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND TO CLEAR ALL INTERFERENCES THEREWITH. THIS INCLUDES DISCONNECTING, REMOVING, RELOCATING, REROUTING, EXTENDING, REWORKING, RECONNECTING, OR OTHERWISE ALTERING EXISTING ELECTRICAL WORK AS REQUIRED, WHETHER INDICATED ON THE DRAWINGS OR NOT.
18. REMOVE ALL ACCESSIBLE EXISTING ABOVE GROUND CONDUITS AND ALL OTHER ACCESSIBLE EXISTING ELECTRICAL ITEMS WHICH ARE NOT REQUIRED FOR OPERATION OF THE COMPLETED PROJECT; AND REMOVE ALL CONDUCTORS FORM INACCESSIBLE EXISTING CONDUITS WHICH ARE NOT REQUIRED FOR OPERATION OF THE COMPLETED PROJECT; ALL UNLESS OTHERWISE INDICATED OR OTHERWISE APPROVED.

CONTINUITY OF EXISTING ELECTRICAL SERVICE, AND SALVAGED EXISTING ELECTRICAL MATERIALS

19. ARRANGE ALL ELECTRICAL WORK TO INTERFERE AS LITTLE AS POSSIBLE WITH OWNER'S NORMAL OPERATIONS. DO NOT INTERRUPT EXISTING ELECTRICAL SERVICE AT ANY TIME WITHOUT OWNER'S PRIOR APPROVAL. AFTER AN ELECTRICAL SERVICE INTERRUPTION HAS BEEN MADE, MAKE ALL NECESSARY CONNECTIONS AND ALTERATIONS, AND RESTORE ELECTRICAL SERVICE AS QUICKLY AS POSSIBLE. AT NO EXTRA COST TO OWNER, PROVIDE TEMPORARY ELECTRICAL CONNECTIONS AND OTHER ELECTRICAL WORK AS REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL SERVICE.
20. PROMPTLY HAUL AWAY FROM OWNER'S PREMISES ALL ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT WHICH ARE REMOVED FROM EXISTING ELECTRICAL SYSTEM AND ARE NEITHER INDICATED NOT REQUIRED TO BE REUSED IN THE COMPLETED PROJECT, EXCEPT AS OTHERWISE SPECIFIED BELOW. OWNER MAY SELECT CERTAIN REMOVED EXISTING ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT AND RETAIN THEM FOR HIS FUTURE USE. BEFORE REMOVING ANY EXISTING ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT, DETERMINE FROM OWNER WHICH OF THESE MATERIALS AND EQUIPMENT (IF ANY) HE DESIRES TO RETAIN. REMOVE ALL OWNER-SELECTED ELECTRICAL MATERIALS AND ELECTRICAL EQUIPMENT WITHOUT UNNECESSARY DAMAGE THERETO, AND SAFELY STORE THEM AT LOCATIONS DESIGNATED BY OWNER.

TEMPORARY LIGHTS AND POWER

21. PROVIDE TEMPORARY LIGHTS AND POWER. LIGHTS SHALL BE ONE PIGTAIL SOCKET AND 150W LAMP OR EQUIVALENT FOR EACH 500 SF BUILDING SPACE, MINIMUM ONE PER ROOM. POWER OUTLETS SHALL BE PROVIDED AS COORDINATED WITH CONSTRUCTION. EXISTING LIGHTING MAY BE USED AS TEMPORARY LIGHTING EXCEPT WHERE FIXTURES ARE INDICATED ON PLANS TO BE REINSTALLED.

TEST, INSPECTIONS, ADJUSTMENTS, AND CLEANUP

22. MAKE INSULATION TESTS WITH A "MEGGER", DEMONSTRATE THAT NEITHER SHORT CIRCUITS NOR GROUND FAULTS EXIST, AND THAT WIRING COMPLIES WITH NEC.
23. FURNISH SUITABLE TESTING EQUIPMENT, GIVE THE ENGINEER AND ALL APPLICABLE AUTHORITIES AMPLE ADVANCE NOTICE OF ALL PROPOSED TESTS AND READINESS OF WORK FOR INSPECTIONS, AND CONDUCT EACH TEST IN THEIR PRESENCE, AS APPROVED. DO NOT CONCEAL ELECTRICAL WORK UNTIL ALL NECESSARY INSPECTIONS HAVE BEEN MADE AND ALL REQUIRED TESTS HAVE BEEN APPROVED BY THE OWNER'S REPRESENTATIVE AND ALL APPLICABLE AUTHORITIES.
24. PUT ENTIRE ELECTRICAL SYSTEM IN OPERATION, TEST ALL EQUIPMENT, REMEDY ALL DEFECTS, AND MAKE ALL NECESSARY ADJUSTMENTS. DEMONSTRATE THAT THE ENTIRE SYSTEM FUNCTIONS SATISFACTORILY, AS SPECIFIED, AS INDICATED, AND AS APPROVED.
25. AFTER ELECTRICAL SYSTEM HAS BEEN TESTED AND BEFORE ANY FIELD PAINTING IS COMMENCED, CLEAN UP ALL ELECTRICAL WORK THOROUGHLY. REMOVE ALL FOREIGN MATTER WHICH HAS ACCUMULATED IN ALL FIXTURES, EQUIPMENT, AND ENCLOSURES. CLEAN ALL FIXTURE GLASSWARE AND REFLECTORS, AND CLEAN AND POLISH ALL OTHER SURFACES THAT ARE NOT TO BE PAINTED SO THAT THEY PRESENT A NEW AND ACCEPTABLE APPEARANCE.
26. CONTRACTOR SHALL TEST EACH RECEPTACLES PER NFPA TO VERIFY PHYSICAL INTEGRITY, THE CONTINUITY OF THE GROUNDING CIRCUIT AND CORRECT POLARITY AND PROPER RETENTION FORCE OF THE GROUNDING BLADE. PROVIDE DOCUMENTATION TO OWNER IN A TYPE-WRITTEN TABLE WHICH INCLUDES DATE, ROOM NAME/NUMBER AND LOCATION IN ROOM WITH INDICATION THAT RECEPTACLE HAS MET THE PERFORMANCE REQUIREMENTS OF NFPA.
27. CONTRACTOR SHALL ENSURE ARC FLASH HAZARD ANALYSIS IS PERFORMED FOR ALL 480V (OR HIGHER) ELECTRICAL EQUIPMENT ADDED OR MODIFIED WITHIN PROJECT SCOPE. CONTRACTOR SHALL ALSO ENSURE LABELING IS AFFIXED TO THIS EQUIPMENT DISPLAYING THE RESULTING PERTINENT ARC FLASH INFORMATION - COORDINATE WITH OWNER FOR REQUIREMENTS OF ANALYSIS AND LABELING.

PROTECTION AND CLEANING

28. WORK SHALL BE PROTECTED AT ALL TIMES. CONDUIT OPENINGS SHALL BE CLOSED WITH CAPS OR PLUGS UNTIL PERMANENT CONNECTIONS ARE MADE. FIXTURES AND EQUIPMENT SHALL BE COVERED, IF NECESSARY, TO PROTECT AGAINST DIRT, WATER, CHEMICAL OR MECHANICAL DAMAGE OR DEFACEMENT. THE INSTALLATION OF FIXTURES LIABLE TO DAMAGE SHALL BE COORDINATED WITH INSTALLING UL FIRE PROTECTIVE BARRIERS AND CEILING SYSTEMS.
29. ELECTRICAL EQUIPMENT ROOMS SHALL BE CLEANED UP PRIOR TO ENERGIZING EQUIPMENT AND SHALL NOT BE USED FOR STORAGE OR OTHER PURPOSES AFTER POWER IS APPLIED TO THE ELECTRICAL EQUIPMENTS.

OPERATING INSTRUCTIONS

30. FURNISH THE SERVICES OF A COMPETENT MAN (OR MEN) TO INSTRUCT THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT, FOR A PERIOD OF NOT LESS THAN FIVE WORKING DAYS.
31. FURNISH AND DELIVER TO THE OWNER THREE SETS OF OPERATING INSTRUCTIONS FOR ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT, INCLUDING SHOP DRAWINGS, PIPING DIAGRAMS, WIRING DIAGRAMS, MAINTENANCE RECOMMENDATIONS AND INFORMATION CONCERNING REPLACEMENT PARTS.

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1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

LEGEND & NOTES

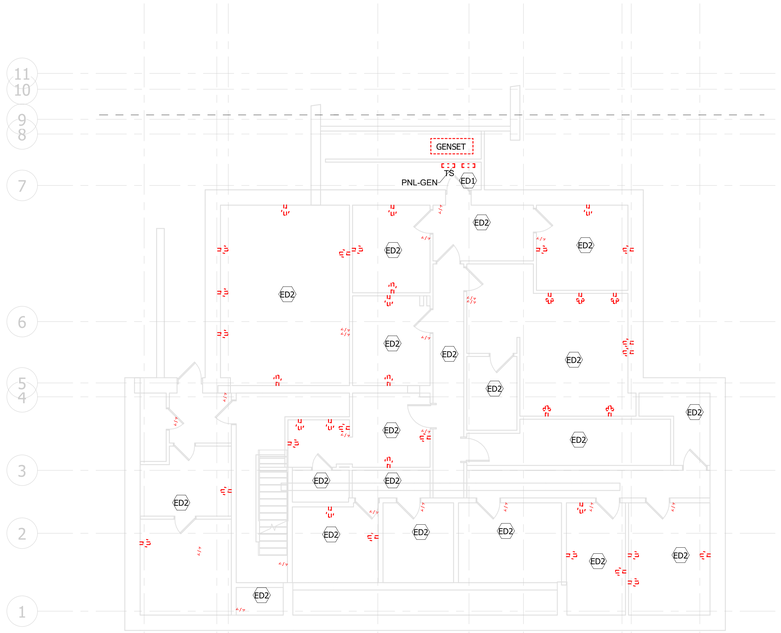
JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E0.1

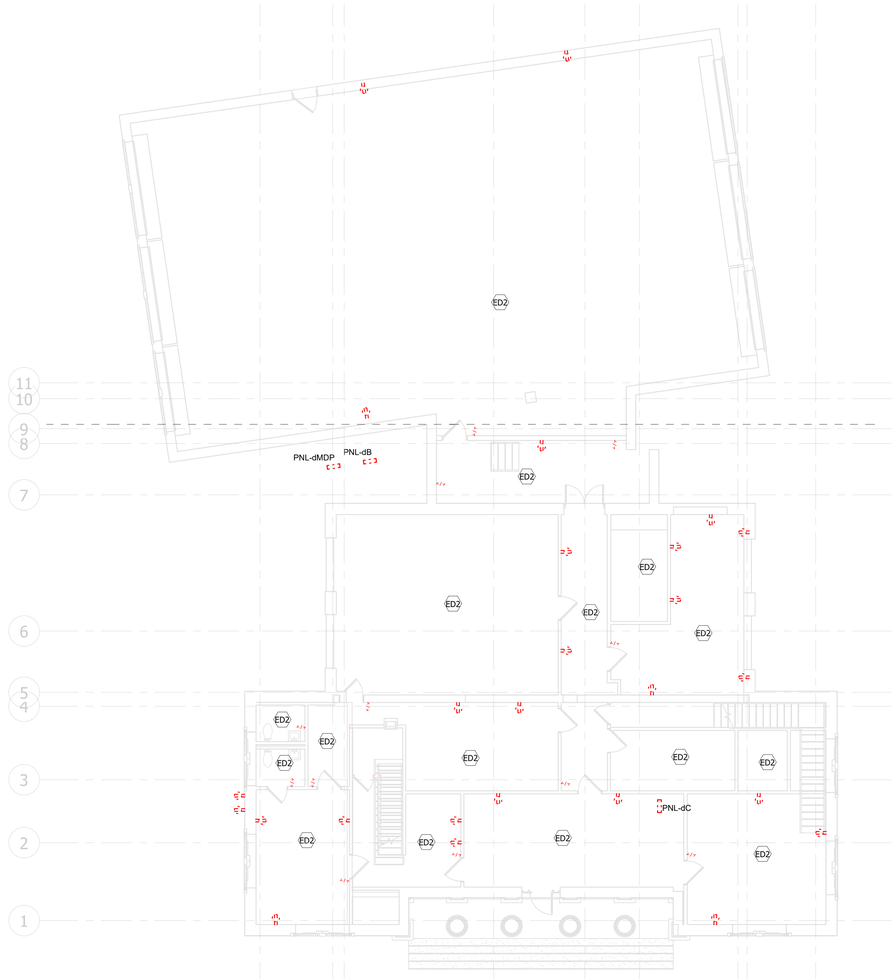
Plotted on: 2/9/2026 11:15:48 AM

KEYNOTE LEGEND

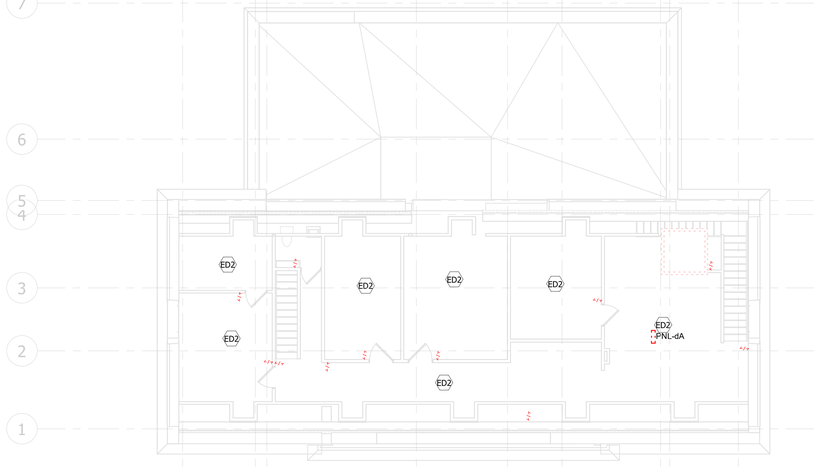
ED1	DEMOLISH GENERATOR, TRANSFER SWITCH, AND WIRING.
ED2	DEMOLISH ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES AND WIRING. PATCH AND PAINT PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. ALL EXISTING RECEPTACLES SHALL REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION.



1 BASEMENT - DEMOLITION
1/8" = 1'-0"



2 GROUND FLOOR- DEMOLITION
1/8" = 1'-0"



3 SECOND FLOOR - DEMOLITION
1/8" = 1'-0"

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1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

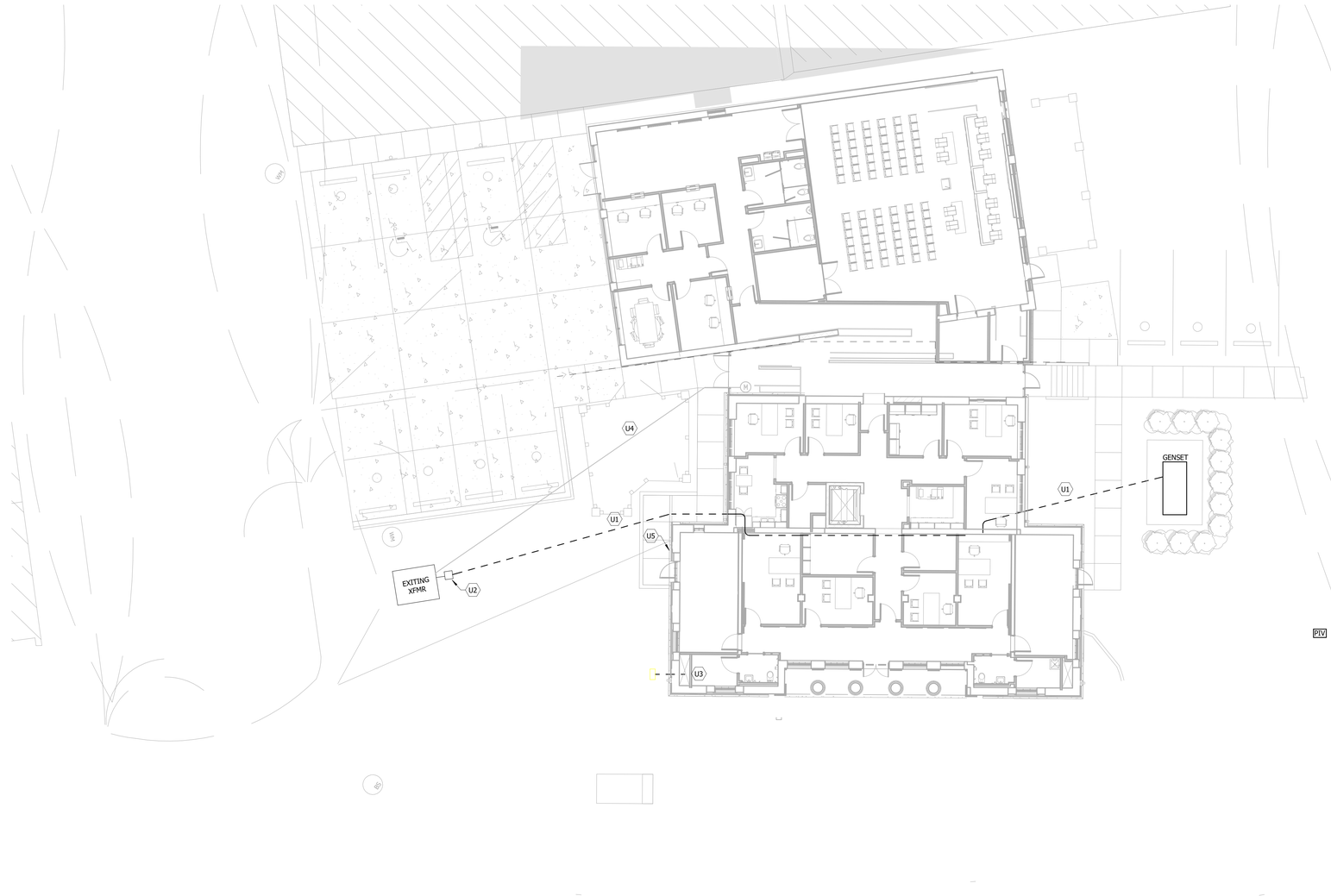
ELECTRICAL DEMOLITION PLAN

JOB NO: 63492 DRAWN:Author
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

ED1.1

Plotted on: 2/9/2026 11:15:49 AM

KEYNOTE LEGEND	
U1	SEE RISER DIAGRAM ON SHEET E7.2 FOR CONDUIT AND WIRE SIZE.
U2	CT ENCLOSURE AND METER RACK.
U3	SEE SHEET E4.1 - FLOOR PLAN POWER FOR RADIO CONDUIT AND BOX DETAILS.
U4	EXISTING SERVICE AND METER SHALL BE DEMOLISHED.
U5	APROXIMATE LOCATION OF EXISTING FIBER INTERNET SERVICE ENTERANCE. REWORK AND REROUTE 2" CONDUIT BACK TO SERVER ROOM.



1 SITE ELECTRICAL PLAN - PHASE 1
1" = 10'-0"

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MICHAEL S. HOLLIMAN — REGISTERED — TENNESSEE
1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

ELECTRICAL SITE PLAN

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E1.1

Plotted on: 2/9/2026 11:15:50 AM

LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	DESCRIPTION	MOUNTING	APPARENT LOAD	WATTAGE	VOLTAGE	LUMENS	COMMENTS
A	METALUX	22CZSB-SCT3	2X2 TROFFER	RECESSED	27 VA	27 W	MVOLT	3600	SET TO MEDIUM OUTPUT. CCT SELECTABLE. PROVIDE EM BATTERY FOR SHADED FIXTURES.
AS	METALUX	22CZSB-SCT3/SK-22-WS	2X2 TROFFER W/SURFACE KIT	CEILINFG SURFACE	27 VA	27 W	MVOLT	3600	SET TO MEDIUM OUTPUT. CCT SELECTABLE. PROVIDE EM BATTERY FOR SHADED FIXTURES.
B1	JLC TECH	TBSL-HW-5-*-DW-W-*	T-BAR LIGHT	GRID MOUNT	40 VA	40 W	MVOLT	3560	FOR INTEGRATION WITH ARMSTRONG WOODWORKS GRILLE CEILING SYSTEM. SEE NOTE #4
C	AXIS LIGHTING	ELPDI AR 600 600 * BW CLS	8' LINEAR PENDANT	SUSPENDED	86 VA	86 W	MVOLT	4800	MOUNT AT 10'6" TO BE SAME LEVEL AS GRID CEILING
C2	AXIS LIGHTING	ELPDI AR 600 600 * BW CLS	4' LINEAR PENDANT	SUSPENDED	43 VA	43 W	MVOLT	9600	MOUNT AT 10'6" TO BE SAME LEVEL AS GRID CEILING
D	FLUXWERX	SK1 R S4 T C1 * * R M1 9 * F F2 M	RECESSED DOWNLIGHT	RECESSED	24 VA	24 W	MVOLT	2400	
EL	METALUX	4VT3-SL3C3-W-UNV-EL10W-VT3-SS-SBK	SURFACE MOUNTED 4'	CEILING SURFACE	10 VA	10 W		4800	PROVIDE WITH MOTION SENSOR AND EM BATTERY BACK UP
ELV	METALUX	W-UNV-EL10W-VT3-SS-SBK	SURFACE MOUNTED 4'	SURFACE	37 VA	37 W	UNV	4800	PROVIDE WITH EM BATTERY BACK UP
EX1	EVENLITE	SOVII G BR PA* UC	<varies>	PENDANT	3 VA	3 W	<varies>		
EX2	EVENLITE	SOVII G SC* UC		CEILING SURFACE	10 VA	10 W			
F	BETA CALCO	BRID2P SPA12 SL12 DR3 LPF120 CR80 V1 DA01 FA01 FB28	12' LINEAR PENDANT	SUSPENDED	144 VA	144 W	MVOLT		PROVIDE EM BATTERY FOR SHADED FIXTURES. MOUNT AT 6" ABOVE FINISHED FLOOR(LOCATED OVER TABLES)
H	BETA CALCO	BLKW DT1 PW03 TR01SFA0400 SL04	4' WALL MOUNTED	SURFACE WALL	13 VA	13 W	MVOLT	4800	FINISH BY ARCHITECT. PROVIDE WITH EM FOR SHADED FIXTURES
J	BARNLIGHT ELECTRIC	BLE-FSF SCH14 996 NA * NA LED16	14" WALL MOUNTED	CEILING SURFACE	16 VA	16 W	120V	1250	PROVIDE EMERGENCY INVERTER FOR SHADED FIXTURES
LS	METALUX	4ST1L2040R-80-4000K-2200-20-110-.35-.16	SURFACE MOUNTED 4'	SURFACE	20 VA	20 W	UNV	2200	
M	VC&C	LARGE CHANDELIER		PENDANT	42 VA	42 W	MVOLT		LARGE CHANDELIER. MOUNT AT 9' ABOVE FINISHED FLOOR
N	WAC	BL-69317 BK/AB	SWING ARM FIXTURE	WALL SURFACE	11 VA	11 W	120V	830	
Q	LUMENPULSE	LBMP 120 40K VWFL SCAN 12 WHTX DIM SNW/WHTX	EXTERIOR PENDANT	SUSPENDED	28 VA	28 W	120	1052	
S1	MGCRAW EDISON	GKO PB 1C*40 U T4W	EXTERIOR WALL	WALL SURFACE	17 VA	17 W	MVOLT	1057	FINISH BY ARCHITECT
S2	HOLOPHANE	HOLO1 15000LM WD 120 40K 80CRI IE18WCPHECWR		SURFACE	40 VA	40 W		15,000 LM	PROVIDE EMERGENCY BATTERY PACK

LIGHTING SCHEDULE NOTES
1. ARCHITECT TO DETERMINE TRIM & FINISH
2. ARCHITECT TO CONFIRM ALL MOUNTING HEIGHTS PRIOR TO INSTALLATION.
3. NOT USED
4. ALL FIXTURE SELECTIONS SHALL BE FURNISHED AS SPECIFIED.
   FOR ALL PRICING INFORMATION, PLEASE CONTACT CONNER PERKINS AT PERKINS-EVERITT LIGHTING AND CONTROLS AT (901) 619-0330.

SHEET NOTES

1. SOME LIGHTING CONTROL DEVICES MAY BE SHOWN; THIS IS TO COMMUNICATE INTENDED LOCATIONS, ZONING, ETC. THERE MAY BE ADDITIONAL LIGHTING CONTROL DEVICES REQUIRED, BUT NOT SHOWN - SEE SEQUENCE OF OPERATIONS (SOO) ON SHEET E6.1 FOR MORE DETAILS. THE DESIGN INTENT IS FOR THE INFORMATION ON THIS SHEET AND IN THE SOO TO BE USED TOGETHER TO PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM ADHERING TO IECC 2018.

FIRE RATING LEGEND

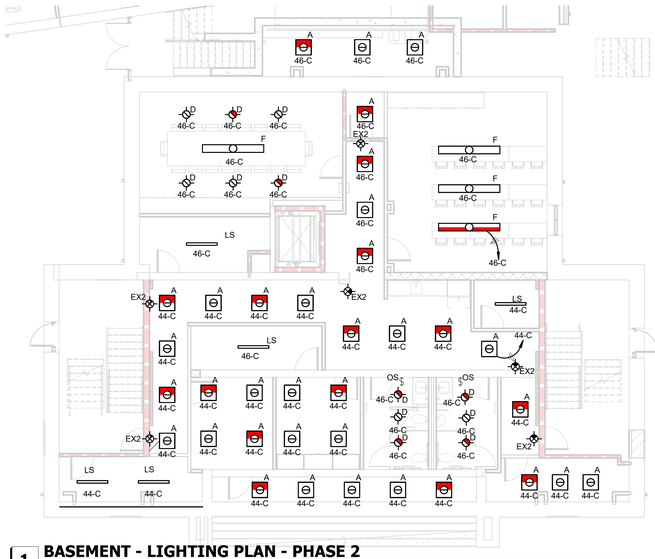
COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITIY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

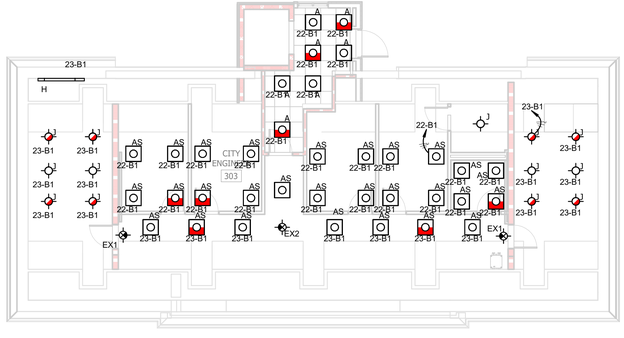
SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

KEYNOTE LEGEND



1 BASEMENT - LIGHTING PLAN - PHASE 2
1/8" = 1'-0"



2 SECOND FLOOR - LIGHTING PLAN - PHASE 2
1/8" = 1'-0"

3 GROUND FLOOR - LIGHTING - PHASE 1
1/8" = 1'-0"

4 GROUND FLOOR - LIGHTING - PHASE 2
1/8" = 1'-0"

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

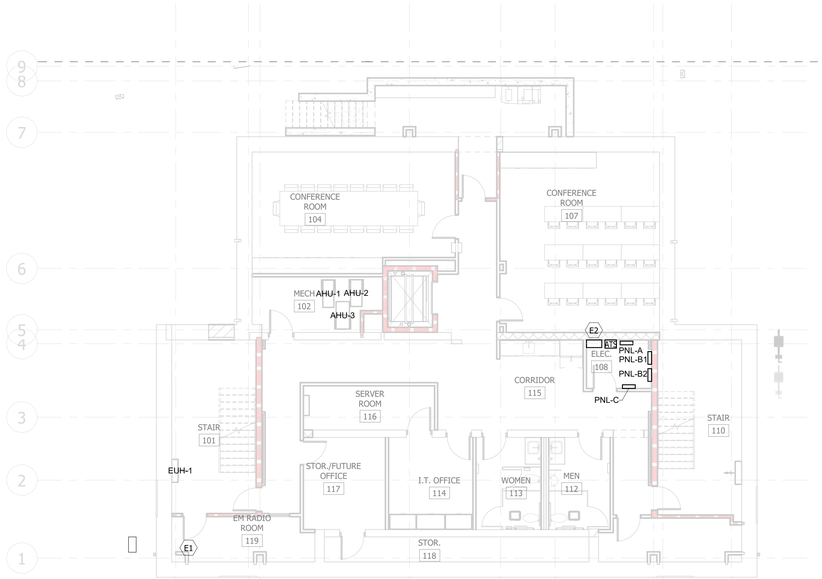
No.	Revision Description	Date

FLOOR PLAN - LIGHTING

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2025 CONSTRUCTION DOCUMENTS

E2.1

Plotted on: 2/9/2026 11:16:05 AM



1 BASEMENT - POWER - PHASE 1
1/8" = 1'-0"

3 COURT ROOM PARTIAL ROOF PLAN- PHASE 1
1/8" = 1'-0"

2 GROUND FLOOR- POWER - PHASE 1
1/8" = 1'-0"

FIRE RATING LEGEND

COLOR EXISTING	COLOR NEW	WALL TYPE	PATTERN	FIRE RESISTANCE RATING
		FIRE PARTITION		30 MIN.
		FIRE BARRIER		1 HOUR
		FIRE WALL		2 HOUR
				3 HOUR
				4 HOUR

FIRE RATING CAN BE ANY COMBINATION OF THE ABOVE COLORS AND PATTERN. FIRE AND SMOKE RATINGS SHOWN ON ENGINEERING PLANS ARE FOR REFERENCE PURPOSES ONLY. REFER TO LIFE SAFETY PLANS FOR COORDINATION AND CONSTRUCTABILITY PURPOSES. THIS IS A STANDARD LEGEND, WALL TYPES MAY BE SHOWN BUT NOT UTILIZED IN THE PROJECT.

SMOKE RATING LEGEND

EXISTING	NEW	WALL TYPE
		SMOKE PARTITION
		SMOKE BARRIER

KEYNOTE LEGEND

E1	PROVIDE (6) - 4" C. IN A 2X3 ARRANGEMENT ROUTED FROM BROADCAST EQUIPMENT ROOM TO EXTERIOR PULLBOX. BURRY A MINIMUM OF 18" BELOW FINISHED GRADE. PROVIDE QUAZITE H20 ASSEMBLY 13"X24"18" WITH BOX EXTENSTION
E2	PROVIDE 2'X2'x1' JUNCTION BOX MOUNTED DIRECTLY TO OVERHEAD STRUCTURE.
E6	PROVIDE IN-FLOOR DUCT FROM COURT ROOM FLOOR BOXES TO STORAGE ROOM. ROUTE DUCT UP WALL 3' AFF IN STORAGE ROOM.

FLOOR BOX SCHEDULE

NAME	MODEL #	POWER	DATA
FB1	LEGRAND RFBA4R30OG	(2) DUPLEX REC	4 RJ45 DATA DROPS
FB2	LEGRAND INFLOOR DUCT	(2) DUPLEX REC	4 RJ45 DATA DROPS

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MICHAEL E. HOLLIS — REGISTERED ARCHITECT — STATE OF TENNESSEE

1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

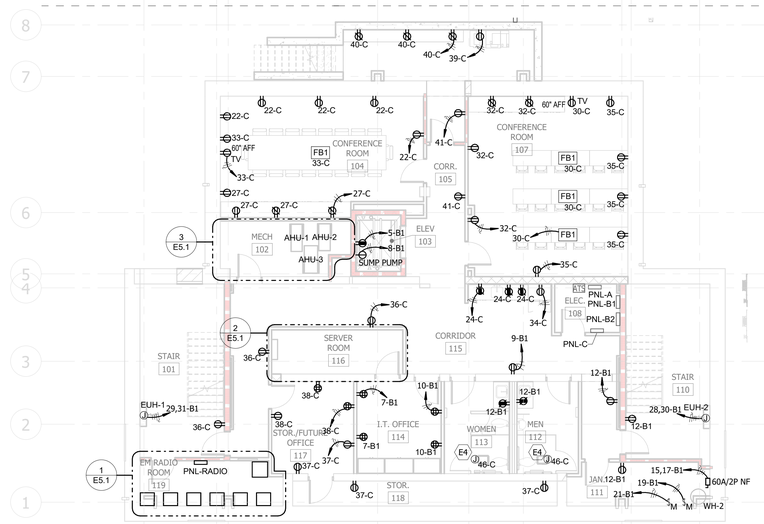
FLOOR PLAN - POWER - PHASE 1

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E3.1

Plotted on: 2/9/2026 11:16:06 AM

KEYNOTE LEGEND	
E4	ROUTE EXHUAST FAN CIRCUIT THROUGH MOTOR RATED OCCUPANCY SWITCH IN RESTROOM.
E5	CONFIRM EXACT MOUNTING HEIGHT WITH MECHCANICAL CONTRACTOR PRIOR TO ROUGH-IN.

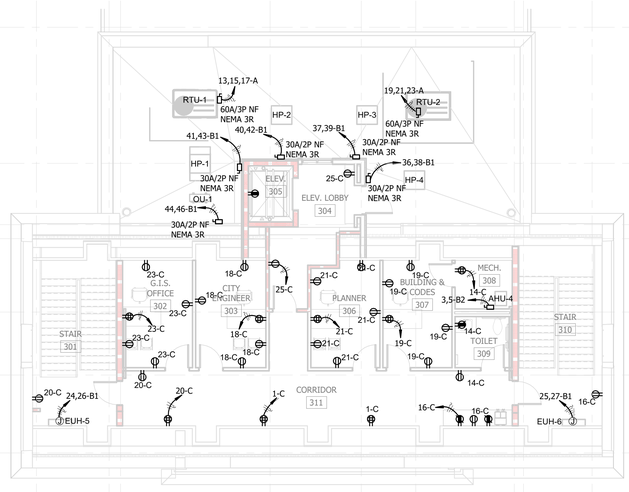


1 BASEMENT - POWER - PHASE 2

1/8" = 1'-0"

2 GROUND FLOOR - POWER - PHASE 2

1/8" = 1'-0"



3 SECOND FLOOR - POWER - PHASE 2

1/8" = 1'-0"

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

FLOOR PLAN - POWER - PHASE 2

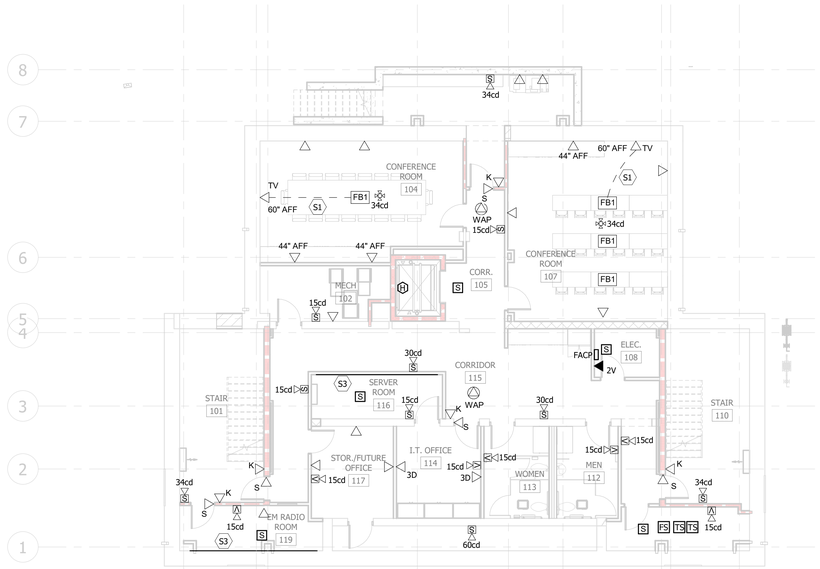
JOB NO: 63492 DRAWN:Author
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E3.2

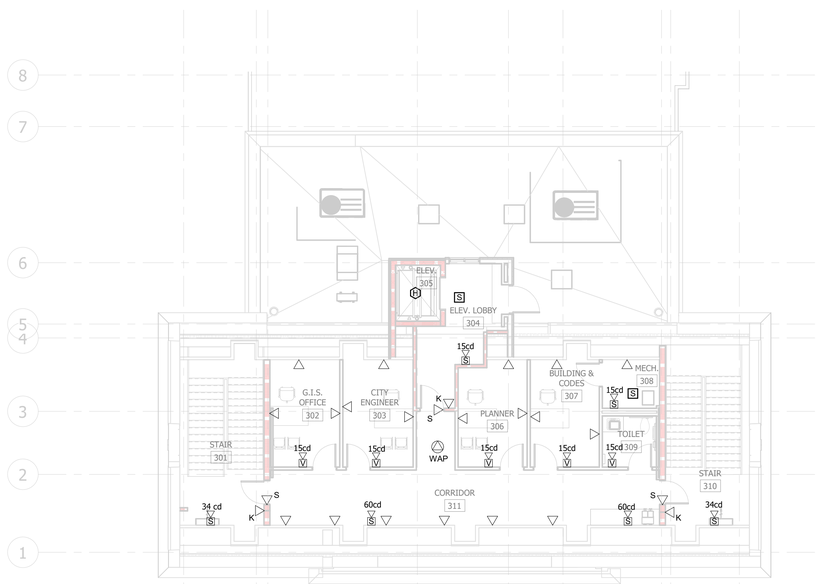
Plotted on: 2/9/2026 11:16:08 AM

KEYNOTE LEGEND

S1	PROVIDE 1-1/4" CONDUIT AND PULL STRING FROM FLOORBOX TO JUNCTION BOX FOR FUTURE HDMI CABLE
S2	PROVIDE (2) 3" CONDUIT FROM A.V. CLOSET BACK TO SERVER ROOM
S3	PROVIDE 3/4" PLYWOOD BACKBOARD FOR I.T. EQUIPMENT.
S4	PROTECT FIBER ROUTED FROM CITY HALL TO THE ANNEX BUILDING.
S5	MOUNT DUCT DETECTOR ABOVE CEILING IN SUPPLY DUCT. CONNECT TO FIRE ALARM SYSTEM. COORDINATE EXACT LOCATION WITH MECHCANICAL CONTRACTOR. UPON ACTIVATION OF DUCT DETECTOR, SHUTDOWN MECHICANICAL UNIT.
S6	CONNECT KITCHEN HOOD TO FIRE ALARM SYSTEM. UPON ACTIVATION OF HOOD SUPPRESSION SYSTEM ACTIVATES BUILDINGS FIRE ALARM SYSTEM.

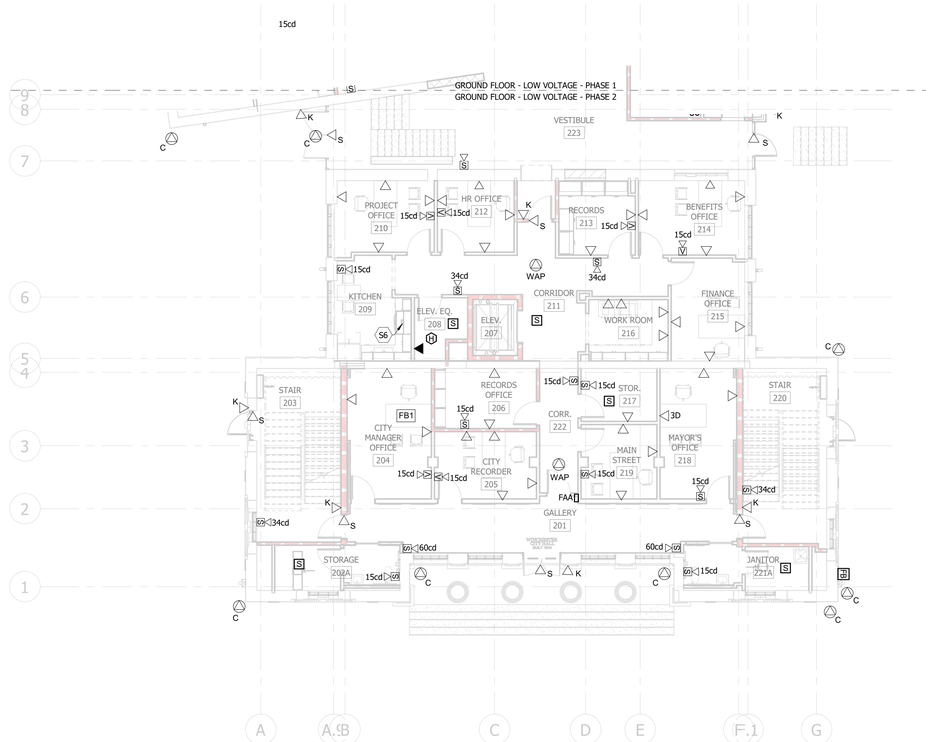


1 BASEMENT - LOW VOLTAGE - PHASE 1 & 2
1/8" = 1'-0"



2 SECOND FLOOR - LOW VOLTAGE - PHASE 2
1/8" = 1'-0"

3 GROUND FLOOR - LOW VOLTAGE - PHASE 1
1/8" = 1'-0"



4 GROUND FLOOR - LOW VOLTAGE - PHASE 2
1/8" = 1'-0"

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WINCHESTER CITY HALL

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WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

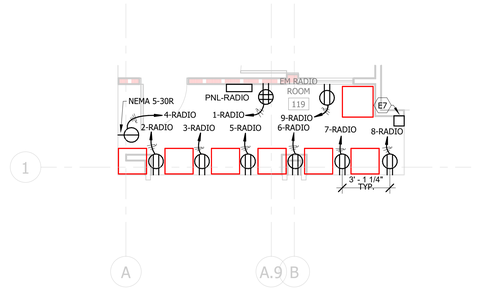
SYSTEMS PLAN

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

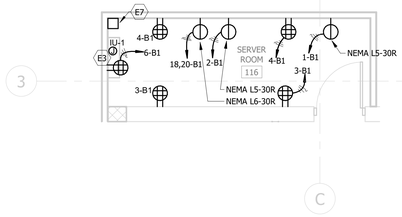
E4.1

Plotted on: 2/9/2026 11:16:09 AM

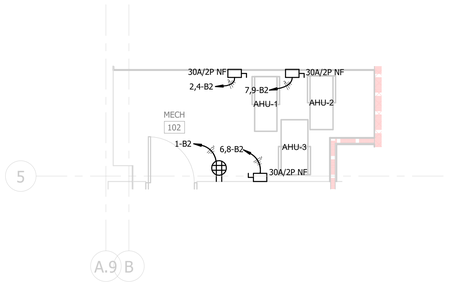
KEYNOTE LEGEND	
E3	PROVIDE 4#12 IN 3/4" CONDUIT FROM OU-1 TO IU-1.
E7	PROVIDE EQUIPMENT GROUNDING BAR AS SHOWN IN DETAIL 5 ON SHEET E6.1. ROUTE 6 GAUGE GROUND WIRE WITH GREEN INSULATION BACK TO PANEL A GROUNDING BLOCK.



1 STORAGE ROOM 119 - PHASE 2 - ENGLARGED VIEW
1/4" = 1'-0"



2 SERVER ROOM 116 - PHASE 2 - ENLARGED VIEW
1/4" = 1'-0"



3 MECH ROOM 102 - PHASE 2 - ENLARGED VIEW
1/4" = 1'-0"

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MICHAEL S. HOLLOWAY
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ARCHITECT
STATE OF TENNESSEE

1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

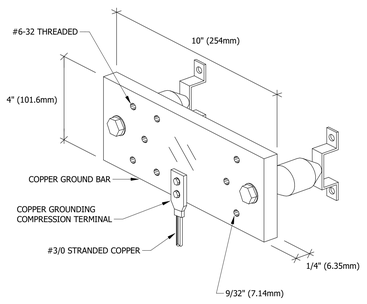
No.	Revision Description	Date

ENLARGED VIEWS

JOB NO: 63492 DRAWN:Author
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

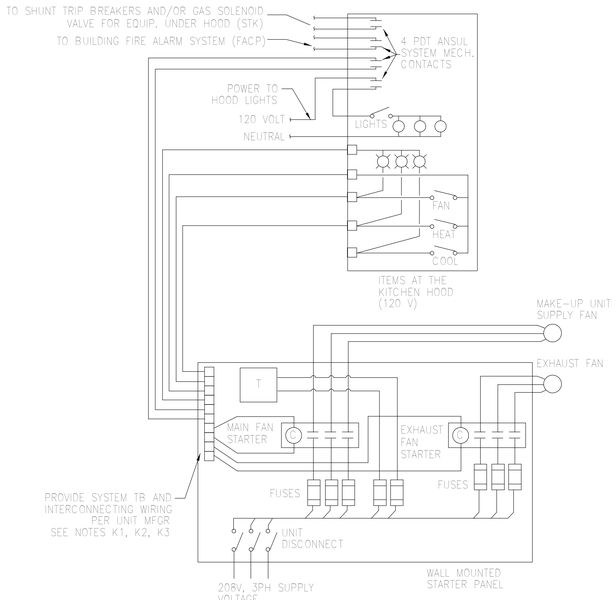
E5.1

Plotted on: 2/9/2026 11:16:10 AM



NOTE: CONTRACTOR SHALL PROVIDE ONE GROUND BAR AT THE I.T. RACK. RUN #3/0 CONDUCTOR TO MSB GROUND AND CONNECT.

5 GROUND BAR DETAIL
12" = 1'-0"



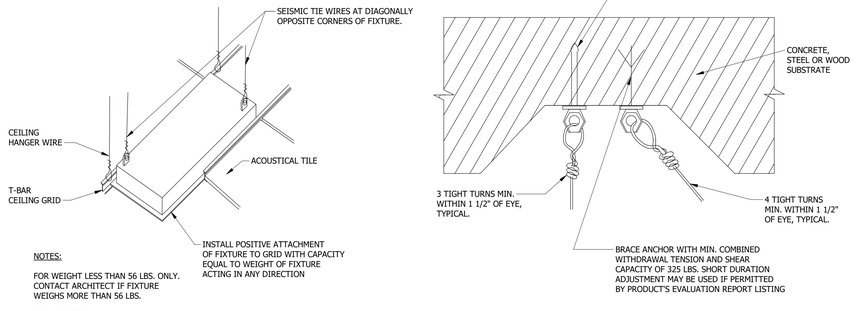
KITCHEN EQUIPMENT NOTES:

K1. ALL KITCHEN EQUIPMENT INSTALLED UNDER KITCHEN HOOD SHALL BE CONNECTED TO SHUNT TRIP CIRCUIT BREAKERS. CONNECT SHUNT TRIP COILS TO HOOD EXTINGUISHING SYSTEM TO DE-ENERGIZE EQUIPMENT WHEN EXTINGUISHING SYSTEM DISCHARGES. CONNECT GAS SOLENOID TO SAME CIRCUIT TO CLOSE VALVE WHEN EXTINGUISHER DISCHARGES. PROVIDE PUSH BUTTON TO MANUALLY ACTIVATE SHUTDOWN OF EQUIPMENT.

K2. PROVIDE CONNECTION FOR KITCHEN HOOD FAN AND LIGHT CONTROL PANEL TO STARTER PANEL FURNISHED WITH FANS AND HOOD.

K3. FUSED FOR MOTOR FEEDERS SHALL BE DUAL ELEMENT TYPE SIZED FOR MOTOR FEEDER PROTECTION. MOTOR SIZES PER KITCHEN PLAN.

2 HOOD DETAIL
12" = 1'-0"



NOTES:

FOR WEIGHT LESS THAN 56 LBS. ONLY. CONTACT ARCHITECT IF FIXTURE WEIGHS MORE THAN 56 LBS.

LBS. - POUNDS

MIN. - MINIMUM

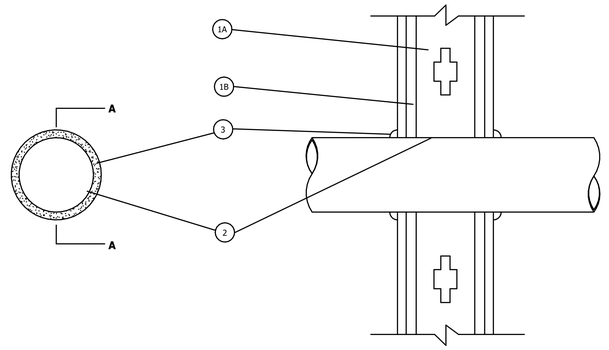
3 LAY-IN CEILING LIGHT FIXTURE INSTALLATION
N.T.S.

System No. W-L-1166

June 15, 2005

F Rating - 1 and 2 Hr (See Item 1B)

T Rating - 0 Hr



SECTION A-A

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN. 3-1/2 IN. WIDE AND SPACED MAX. 24 IN. OC.
   B. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX. DIAM. OF OPENING IS 5 IN.

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH - PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN. OF 0 IN. (POINT CONTACT) TO MAX. 1/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED"
   A. COPPER TUBING - NOM. 4 IN. DIAM. (OR SMALLER) TYPE M (OR HEAVIER) COPPER TUBING.
   B. COPPER PIPE - NOM. 4 IN. DIAM. (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
   C. STEEL PIPE - 4 IN. DIAM. (OR SMALLER) SCHEDULE 5 (OR HEAVIER) STEEL PIPE.
   D. CONDUIT - NOM. 4 IN. DIAM. (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT.
   E. IRON PIPE - NOM. 4 IN. DIAM. (OR SMALLER) CAST OR DUCTILE IRON PIPE.

3. FILL, VOID OR CAVITY MATERIALS* - CAULK, SEALANT OR PUTTY - MIN. 1/2 IN. DIAMETER BEAD OF CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRANT ON THE WALL SURFACES ON BOTH SIDES OF THE WALL.

3M COMPANY - CP 25WB+CAULK, MPS-2+PUTTY, OR FB-3000 WT SEALANT

* BEARING THE UL CLASSIFICATION MARK

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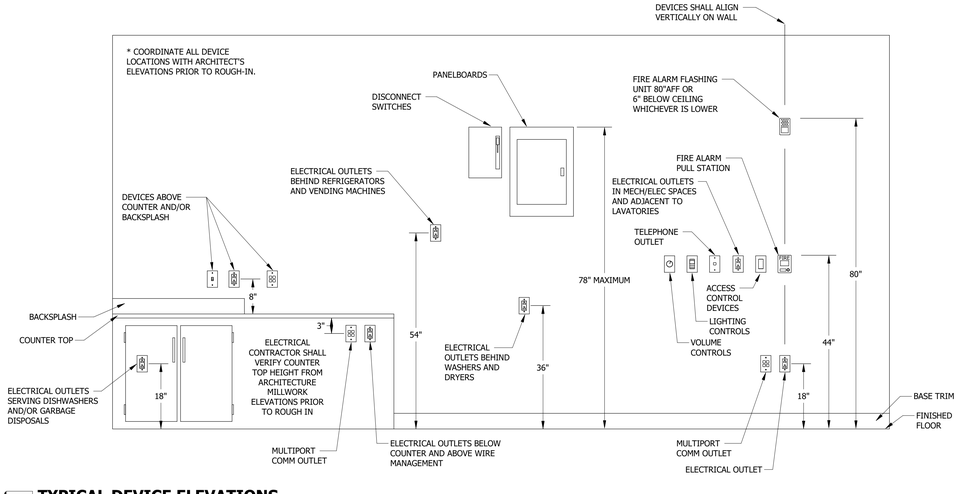
1 1 & 2 HOUR CONDUIT WALL PENETRATIONS
12" = 1'-0"



4 TYPICAL DEVICE ELEVATIONS
N.T.S.

Allen&Hoshall
engineers • architects • surveyors

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MICHAEL E. HOLLIMAN
REGISTERED
ENGINEER
STATE OF TENNESSEE

1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

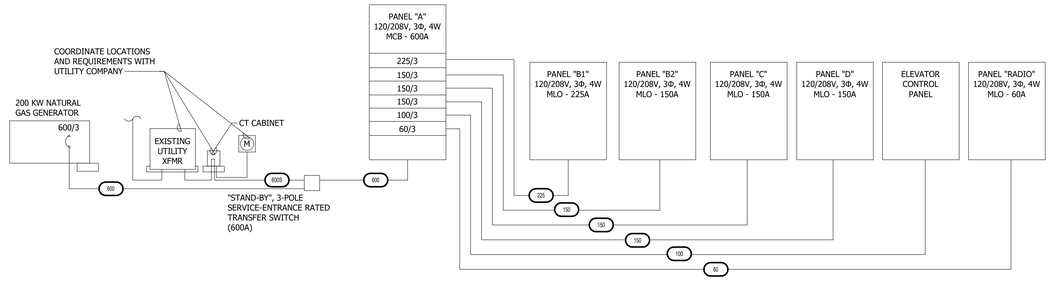
No.	Revision Description	Date

ELECTRICAL DETAILS

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E6.1

Plotted on: 2/9/2026 11:16:10 AM



DEDUCTIVE ALTERNATE:

REMOVAL OF GENERATOR, TRANSFER SWITCH, AND WIRE. CONDUIT SHALL BE PART OF BASE BID.

SINGLE-LINE GENERAL NOTES:

1. PROVIDE A 30 MINUTE DELAY ON LIFE SAFETY TRANSFER SWITCH BEFORE GOING BACK TO "NORMAL" SUPPLY
2. EMERGENCY TRANSFER SWITCH SHALL GET ITS "NORMAL" SIGNAL FROM THE SERVICE-ENTRANCE TRANSFER SWITCH.
3. AIC RATINGS SHOWN ON PANEL SCHEDULES

ONE LINE FEEDER SCHEDULE(COPPER)

NOTES:
•

TAG	OCPD SETTING	WIRE SIZE	EQUIP. GROUND SIZE	CONDUIT SIZE
60	60/3 (4W)	(4) #6 Ga.	(1) #10 Ga.	1"
100	100/3 (4W)	(4) #3 Ga.	(1) #8 Ga.	1-1/4"
150	150/3 (4W)	(4) #1/0	(1) #6 Ga.	2"
225	225/3 (4W)	(4) #4/0	(1) #4 Ga.	2-1/2"
600	600/3 (4W)	3 SETS OF (4)#350 MCM	(2) #1 Ga.	3"
600S	600/3 (4W)	3 SETS OF (4)#350 MCM	-	3"

3 ELECTRICAL RISER DIAGRAM - WINCHESTER CITY HALL

N/A

Branch Panel: D

Location:
Supply From: A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 150 A

Notes:
1. PROVIDE GFCI CIRCUIT BREAKER

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1	REC - A.P OFFICE 128	1-#12, 1-#12, 1-#12	20 A	1	1080 VA	1080 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - D.C OFFICE 229	2	
	3	REC - D.C. OFFICE 229	1-#12, 1-#12, 1-#12	20 A	1		900 VA	720 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - CONF. 225	4	
	5	REC - CODE ADM 224	1-#12, 1-#12, 1-#12	20 A	1			1080 VA	1440 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - CODE ADM. 224	6	
	7	REC - RRS & STOR.	1-#12, 1-#12, 1-#12	20 A	1	720 VA	360 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - WATER COOLER	8	1
	9	FB2 - COURT RM	1-#12, 1-#12, 1-#12	20 A	1		540 VA	--		1	--	--	SPACE	10	
	11	REC - STORAGE 236	1-#12, 1-#12, 1-#12	20 A	1			360 VA	540 VA	1	20 A	1-#12, 1-#12, 1-#12	FB2 - COURT RM	12	
	13	REC - STORAGE 236	1-#12, 1-#12, 1-#12	20 A	1	360 VA	360 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - STORAGE 236	14	
	15	REC - LOBBY 231	1-#12, 1-#12, 1-#12	20 A	1		720 VA	1080 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - STOR. 236	16	
	17	REC - COURT 235	1-#12, 1-#12, 1-#12	20 A	1			540 VA	540 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - COURT 235	18	
	19	COURT ROOM LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	714 VA	44 VA			1	20 A	1-#12, 1-#12, 1-#12	PLAQUE LIGHTING	20	
	21	OFFICE/RESTROOM...	1-#12, 1-#12, 1-#12	20 A	1		873 VA	559 VA		1	20 A	1-#12, 1-#12, 1-#12	CORRIDOR LIGHTING	22	
	23	CP-1 - STOR 234	1-#12, 1-#12, 1-#12	20 A	1			100 VA	100 VA	1	15 A	1-#12, 1-#12, 1-#12	EF-3	24	
	25	WH-2	2-#8, 1-#8, 1-#10	40 A	2	3000 VA	0 VA			1	20 A	--	SPARE	26	
	27						3000 VA	0 VA		1	20 A	--	SPARE	28	
	29	TP-2 - STOR 234	1-#12, 1-#12, 1-#12	20 A	1			100 VA	0 VA	1	20 A	--	SPARE	30	
	31	LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	160 VA	0 VA			1	20 A	--	SPARE	32	
	33	SPARE	--	20 A	1		0 VA	0 VA		1	20 A	--	SPARE	34	
	35	SPARE	--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	36	
	37	SPARE	--	20 A	1	0 VA	0 VA			1	20 A	--	SPARE	38	
	39	SPARE	--	20 A	1		0 VA	0 VA		1	20 A	--	SPARE	40	
	41	SPARE	--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	42	
				Total Load:		7878 VA		8392 VA	4800 VA					
				Total Amps:		70 A		74 A	40 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	6300 VA	60.00%	3780 VA		
LIGHTING	2350 VA	100.00%	2350 VA	**Total Conn. Load:**	21070 VA
REC	12420 VA	90.26%	11210 VA	**Total Est. Demand:**	17340 VA
				Total Conn. Current:	58 A
				Total Est. Demand Current:	48 A

Notes:

Branch Panel: RADIO

Location: EM RADIO ROOM 119
Supply From: A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 100 A

Notes:

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1	REC	1-#12, 1-#12, 1-#12	20 A	1	360 VA	500 VA		1	20 A	1-#12, 1-#12, 1-#12	RADIO EQUIPMENT 1	2	
	3	RADIO EQUIPMENT 1	1-#12, 1-#12, 1-#12	20 A	1			500 VA	500 VA	1	30 A	1-#10, 1-#10, 1-#10	REC - NEMA 5-30R	4	
	5	RADIO EQUIPMENT 1	1-#12, 1-#12, 1-#12	20 A	1					1	20 A	1-#12, 1-#12, 1-#12	RADIO EQUIPMENT 1	6	
	7	RADIO EQUIPMENT 1	1-#12, 1-#12, 1-#12	20 A	1	500 VA	500 VA			1	20 A	1-#12, 1-#12, 1-#12	RADIO EQUIPMENT 1	8	
	9	MUSIC CART	1-#12, 1-#12, 1-#12	20 A	1			180 VA						10	
	11													12	
	13													14	
	15													16	
	17													18	
	19													20	
	21													22	
	23													24	
				Total Load:		1860 VA		1180 VA	1000 VA					
				Total Amps:		16 A		10 A	8 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
EQUIP	500 VA	80.00%	400 VA		
REC	3540 VA	100.00%	3540 VA	**Total Conn. Load:**	4040 VA
				Total Est. Demand:	3940 VA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	11 A

Notes:

Allen&Hoshall
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MICHAEL E. HOLLOWAY — REGISTERED — TENNESSEE — 115222 — ENGINEER — 1/7/26

WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

ELECTRICAL PANEL SCHEDULES, RISER DIAGRAM & DETAILS

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E6.2

Plotted on: 2/9/2026 11:16:11 AM

Branch Panel: A

Location: ELEC. 108
Supply From: A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 600 A

Notes:
1. PROVIDE GFCI CIRCUIT BREAKER

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1					7200 VA 17999...							2	
	3	MOTOR - ELEV	3-#3, 1-#3, 1-#8	100 A	3		7200 VA 19809...		3	225 A	3-#4/0, 1-#4/0, 1-#4	PANEL B1	4	
	5							7200 VA 15560...					6	
	7					1860 VA 12566...							8	
	9	RADIO	3-#6, 1-#6, 1-#10	60 A	3		1180 VA 10964...		3	150 A	3-#1/0, 1-#1/0, 1-#6	PANEL C	10	
	11							1000 VA 10440...					12	
	13					2592 VA 7878 VA							14	
	15	RTU-1	3-#8, 1-#8, 1-#10	40 A	3		2592 VA 8392 VA		3	150 A	3-#1/0, 1-#1/0, 1-#6	PANEL D	16	
	17							2592 VA 4800 VA					18	
	19					2592 VA 9512 VA							20	
	21	RTU-2	3-#8, 1-#8, 1-#10	40 A	3		2592 VA 9384 VA		3	150 A	3-#1/0, 1-#1/0, 1-#6	PANEL B2	22	
	23							2592 VA 7156 VA					24	
	25					2976 VA 5472 VA							26	
	27	RTU-3	3-#6, 1-#6, 1-#10	45 A	3		2976 VA 5472 VA		3	80 A	3-#4, 1-#4, 1-#8	RTU-4	28	
	29							2976 VA 5472 VA					30	
	31	SPD	--	100 A	1	0 VA --			1	--	--	SPACE	32	
	33	SPD	--	100 A	1		0 VA --		1	--	--	SPACE	34	
	35	SPD	--	100 A	1			0 VA --	1	--	--	SPACE	36	
	37	SPACE	--	--	1	-- --			1	--	--	SPACE	38	
	39	SPACE	--	--	1		-- --		1	--	--	SPACE	40	
	41	SPACE	--	--	1			-- --	1	--	--	SPACE	42	
				Total Load:		70647 VA	70561 VA	59788 VA						
				Total Amps:		603 A	602 A	498 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
EQUIP	12520 VA	80.00%	10016 VA		
HVAC	62382 VA	60.00%	37429 VA	**Total Conn. Load:**	200995 VA
LIGHTING	8249 VA	100.00%	8249 VA	**Total Est. Demand:**	152588 VA
Other	200 VA	100.00%	200 VA	**Total Conn. Current:**	558 A
Power	65744 VA	100.00%	65744 VA	**Total Est. Demand Current:**	424 A
REC	51900 VA	59.63%	30950 VA		

Notes:

Branch Panel: B1

Location: ELEC. 108
Supply From: Surface
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 225 A

Notes:
1. PROVIDE GFCI CIRCUIT BREAKER

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1	REC - SERVER ROOM 116	1-#12, 1-#12, 1-#12	20 A	1	1000 VA 1000 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - SERVER ROOM 116	2	
	3	REC - SERVER ROOM 116	1-#12, 1-#12, 1-#12	20 A	1		1000 VA 1000 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - SERVER ROOM 116	4	
	5	REC - ELEV PIT & SHAFT	1-#12, 1-#12, 1-#12	20 A	1			360 VA 500 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - SERVER ROOM 116	6	
	7	REC - I.T. OFF. 114	1-#12, 1-#12, 1-#12	20 A	1	720 VA 500 VA			1	20 A	1-#12, 1-#12, 1-#12	SUMP PUMP - ELEV	8	
	9	REC - CORR. 115	1-#12, 1-#12, 1-#12	20 A	1		180 VA 720 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - I.T. OFF. 114	10	
	11	REC - KITCH 209	1-#12, 1-#12, 1-#12	20 A	1			540 VA 900 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - CORR. 115	12	
	13	REC - KITCH. 209	1-#12, 1-#12, 1-#12	20 A	1	180 VA 4160 VA			2	50 A	2-#6, 1-#6, 1-#10	RANGE - KITCH 209	14	
	15	WH-1 - JAN. 111	2-#8, 1-#8, 1-#10	40 A	2		3000 VA 4160 VA						16	
	17							3000 VA 500 VA	2	20 A	2-#12, 1-#12, 1-#12	REC - SERVER ROOM 116	18	
	19	CP-1 - JAN. 111	1-#12, 1-#12, 1-#12	20 A	1	100 VA 500 VA							20	
	21	TP-2 - JAN. 111	1-#12, 1-#12, 1-#12	20 A	1		100 VA 756 VA		1	20 A	1-#12, 1-#12, 1-#12	LIGHTING	22	
	23	LIGHTING	1-#12, 1-#12, 1-#12	20 A	1			421 VA 1500 VA	2	20 A	2-#12, 1-#12, 1-#12	EUH-5	24	
	25	EUH-6	2-#12, 1-#12, 1-#12	20 A	2	1500 VA 1500 VA							26	
	27						1500 VA 1500 VA						28	
	29	EUH-1	2-#12, 1-#12, 1-#12	20 A	2			1500 VA 1500 VA	2	20 A	2-#12, 1-#12, 1-#12	EUH-2	30	
	31					1500 VA 1500 VA							32	
	33	EUH-3	2-#12, 1-#12, 1-#12	20 A	2		1500 VA 1500 VA		2	20 A	2-#12, 1-#12, 1-#12	EUH-4	34	
	35							1500 VA 1581 VA					36	
	37	HP-3	2-#12, 1-#12, 1-#12	20 A	2	947 VA 1581 VA			2	30 A	2-#10, 1-#10, 1-#10	HP-4	38	
	39						947 VA 947 VA						40	
	41	HP-1	2-#12, 1-#12, 1-#12	20 A	2			811 VA 947 VA	2	20 A	2-#12, 1-#12, 1-#12	HP-2	42	
	43					811 VA 500 VA							44	
	45	REC FRIDGE - KITCH 209	1-#12, 1-#12, 1-#12	20 A	1		500 VA 500 VA		2	15 A	2-#12, 1-#12, 1-#12	OU-1	46	
	47	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	48	
	49	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	50	
	51	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPARE	52	
	53	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	54	
				Total Load:		17999 VA	15809 VA	15560 VA						
				Total Amps:		153 A	168 A	130 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
EQUIP	12020 VA	80.00%	9616 VA		
HVAC	15570 VA	60.00%	9342 VA	**Total Conn. Load:**	53367 VA
LIGHTING	1177 VA	100.00%	1177 VA	**Total Est. Demand:**	44735 VA
Power	18000 VA	100.00%	18000 VA	**Total Conn. Current:**	148 A
REC	6600 VA	100.00%	6600 VA	**Total Est. Demand Current:**	124 A

Notes:

Branch Panel: C

Location: ELEC. 108
Supply From: A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 150 A

Notes:
1. PROVIDE GFCI CIRCUIT BREAKER

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1	REC - CORR. 311	1-#12, 1-#12, 1-#12	20 A	1	720 VA 1080 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - PROJECT OFF. 210	2	
	3	REC - BENFT OFF. 214	1-#12, 1-#12, 1-#12	20 A	1		900 VA 360 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - RECORDS 213	4	
	5	REC - FINANCE 215	1-#12, 1-#12, 1-#12	20 A	1			900 VA 900 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - MAIN STREET 219	6	
	7	REC - RECORDER 205	1-#12, 1-#12, 1-#12	20 A	1	1080 VA 1080 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - CITY MANAGER 204	8	
	9	REC - GALLERY 201	1-#12, 1-#12, 1-#12	20 A	1		720 VA 900 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - MAYORS OFF. 218	10	
	11	REC - MAYOR 218	1-#12, 1-#12, 1-#12	20 A	1			1080 VA 540 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - VEST. 223	12	
	13	REC - RECORDS 206	1-#12, 1-#12, 1-#12	20 A	1	720 VA 720 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - MECH 308	14	
	15	REC - WORK ROOM 216	1-#12, 1-#12, 1-#12	20 A	1		720 VA 720 VA		1	20 A	1-#12, 1-#12, 1-#12	AC REC - CORR. 311	16	
	17	REC - WORK ROOM 216	1-#12, 1-#12, 1-#12	20 A	1			540 VA 1080 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - CITY ENGINEER 303	18	
	19	REC - CODES 307	1-#12, 1-#12, 1-#12	20 A	1	1080 VA 720 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - CORR. 311	20	
	21	REC - PLANNER 306	1-#12, 1-#12, 1-#12	20 A	1		1260 VA 900 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - CONF 104	22	
	23	REC - G.I.S. OFF. 302	1-#12, 1-#12, 1-#12	20 A	1			1080 VA 540 VA	1	20 A	1-#12, 1-#12, 1-#12	AC REC - KITCH 115	24	
	25	REC - ELEV LOBBY 304	1-#12, 1-#12, 1-#12	20 A	1	360 VA 100 VA			1	20 A	1-#12, 1-#12, 1-#12	LTG ELEVATOR CAB	26	
	27	REC - CONF. 104	1-#12, 1-#12, 1-#12	20 A	1		720 VA 857 VA		1	20 A	1-#12, 1-#12, 1-#12	LIGHTING	28	
	29	REC - ELEV. EQ 208	1-#12, 1-#12, 1-#12	20 A	1			180 VA 720 VA	1	20 A	1-#12, 1-#12, 1-#12	FB1 - CONF ROOM 107	30	
	31	LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	430 VA 720 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - CONF. ROOM 107	32	
	33	REC - CONF. 104	1-#12, 1-#12, 1-#12	20 A	1		540 VA 180 VA		1	20 A	1-#12, 1-#12, 1-#12	REC FRIDGE - KITCH 115	34	
	35	REC - CONF. 104	1-#12, 1-#12, 1-#12	20 A	1			900 VA 540 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - CORR. 115	36	
	37	REC - STOR. 117	1-#12, 1-#12, 1-#12	20 A	1	720 VA 900 VA			1	20 A	1-#12, 1-#12, 1-#12	REC - STOR. 117	38	
	39	REC COPIER - ALCOVE 106	1-#12, 1-#12, 1-#12	20 A	1		180 VA 540 VA		1	20 A	1-#12, 1-#12, 1-#12	REC - ALCOVE 106	40	
	41	REC - ALCOVE 106	1-#12, 1-#12, 1-#12	20 A	1			360 VA 1080 VA	1	20 A	1-#12, 1-#12, 1-#12	REC - H.R. OFF. 212	42	
	43	LIGHTING	1-#12, 1-#12, 1-#12	20 A	1	918 VA 1218 VA			1	20 A	1-#12, 1-#12, 1-#12	LIGHTING	44	
	45	EXTERIOR LIGHTING	1-#12, 1-#12, 1-#12	20 A	1		174 VA 1293 VA		1	20 A	1-#12, 1-#12, 1-#12	LIGHTING	46	
	47	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	48	
	49	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	50	
	51	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPARE	52	
	53	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	54	
				Total Load:		12566 VA	10964 VA	10440 VA						
				Total Amps:		105 A	92 A	87 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
LIGHTING	4690 VA	100.00%	4690 VA		
Power	300 VA	100.00%	300 VA	**Total Conn. Load:**	33970 VA
REC	28980 VA	67.25%	19490 VA	**Total Est. Demand:**	24480 VA
				Total Conn. Current:	94 A
				Total Est. Demand Current:	68 A

Notes:

Branch Panel: B2

Location: ELEC. 108
Supply From: A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating:
Mains Type: MLO
Mains Rating: 150 A

Notes:
1. PROVIDE GFCI CIRCUIT BREAKER

NOTES	CKT	CIRCUIT NAME	WIRE SIZE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE SIZE	CIRCUIT NAME	CKT	NOTES
	1	REC - MECH 102	1-#12, 1-#12, 1-#12	20 A	1	360 VA 2912 VA			2	35 A	2-#8, 1-#8, 1-#10	AHU-1	2	
	3	AHU-4	2-#8, 1-#8, 1-#10	40 A	2		3328 VA 2912 VA						4	
	5							3328 VA 3328 VA	2	40 A	2-#8, 1-#8, 1-#10	AHU-3	6	
	7	AHU-2	2-#8, 1-#8, 1-#10	35 A	2	2912 VA 3328 VA							8	
	9						2912 VA 232 VA		1	20 A	1-#12, 1-#12, 1-#12	RR LIGHTING & EF'S	10	
	11	HOOD - KITCH	1-#12, 1-#12, 1-#12	15 A	1			500 VA 0 VA	1	20 A	--	SPARE	12	
	13	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	14	
	15	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPARE	16	
	17	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	18	
	19	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	20	
	21	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPARE	22	
	23	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	24	
	25	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	26	
	27	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPARE	28	
	29	SPARE	--	20 A	1			0 VA 0 VA	1	20 A	--	SPARE	30	
	31	SPARE	--	20 A	1	0 VA 0 VA			1	20 A	--	SPARE	32	
	33	SPARE	--	20 A	1		0 VA 0 VA		1	20 A	--	SPACE	34	
	35	SPACE	--	--	1			-- --	1	--	--	SPACE	36	
	37	SPACE	--	--	1	-- --			1	--	--	SPACE	38	
	39	SPACE	--	--	1		-- --		1	--	--	SPACE	40	
	41	SPACE	--	--	1			-- --	1	--	--	SPACE	42	
	43	SPACE	--	--	1	-- --			1	--	--	SPACE	44	
	45	SPACE	--	--	1		-- --		1	--	--	SPACE	46	
	47	SPACE	--	--	1			-- --	1	--	--	SPACE	48	
	49	SPACE	--	--	1	-- --			1	--	--	SPACE	50	
	51	SPACE	--	--	1		-- --		1	--	--	SPACE	52	
	53	SPACE	--	--	1			-- --	1	--	--	SPACE	54	
				Total Load:		9512 VA	9384 VA	7156 VA						
				Total Amps:		82 A	81 A	60 A						

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	24960 VA	60.00%	14976 VA		
LIGHTING	32 VA	100.00%	32 VA	**Total Conn. Load:**	26052 VA
Other	200 VA	100.00%	200 VA	**Total Est. Demand:**	16068 VA
Power	500 VA	100.00%	500 VA	**Total Conn. Current:**	72 A
REC	360 VA	100.00%	360 VA	**Total Est. Demand Current:**	45 A

Notes:

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WINCHESTER CITY HALL

7 S HIGH ST, SUITE 1
WINCHESTER, TN 37398

CITY OF WINCHESTER, TENNESSEE

No.	Revision Description	Date

PANEL SCHEDULES

JOB NO: 63492 DRAWN: JEB
DATE: 01.07.2026 CONSTRUCTION DOCUMENTS

E6.3

Plotted on: 2/9/2026 11:16:13 AM