

MORETOWN TOWN HALL: RENOVATION & SITEWORK

CONSTRUCTION DOCUMENT SET- FEBRUARY 21, 2025

CIVIL DRAWINGS			
NUMBER	NAME	DD SET	CD SET
C1.1	EXISTING CONDITIONS AND DEMOLITION SITE PLAN	X	X
C2.1	PROPOSED SITE PLAN	X	X
C3.1	SITE DETAILS & NOTES	X	X
C3.2	STORM DETAILS	X	X

ARCHITECTURAL DRAWINGS			
NUMBER	NAME	DD SET	CD SET
A-0.0	COVER SHEET	X	X
A-0.1	LEGEND & ARCHITECTURAL INFORMATION		X
A-0.3	EGRESS PLANS	X	X
A-1.0	EXISTING/DEMO PLANS	X	X
A-2.1	LOWER LEVEL PLAN	X	X
A-2.2	MAIN LEVEL PLAN	X	X
A-2.3	ROOF PLAN	X	X
A-3.1	LOWER LEVEL RCP	X	X
A-3.2	MAIN LEVEL RCP	X	X
A-4.1	BUILDING ELEVATIONS	X	X
A-5.1	BUILDING SECTIONS	X	X
A-6.1	DETAILS	X	X
A-6.2	DETAILS & PARTITION TYPES	X	X
A-7.1	MAIN & LOWER HALL ELEVATIONS	X	X
A-7.2	MAIN HALL ELEVATIONS		X
A-7.3	ENLARGED VESTIBULE DRAWINGS	X	X
A-7.4	KITCHEN & BATHROOM DRAWINGS	X	X
A-8.1	STAIR PLAN/DETAILS & LIFT	X	X
A-9.1	MILLWORK	X	X
A-10.1	INTERIOR FINISHES	X	X
A-10.2	WINDOW & DOOR SCHEDULES	X	X
A-10.3	WINDOW & DOOR DETAILS	X	X

STRUCTURAL DRAWINGS			
NUMBER	NAME	DD SET	CD SET
S-0.1	STRUCTURAL SPECIFICATIONS	X	X
S-0.2	GENERAL STRUCTURAL NOTES		X
S-1.1	LOWER LEVEL & FOUNDATION PLAN	X	X
S-1.2	MAIN LEVEL FRAMING PLAN		X
S-1.3	ATTIC FRAMING PLAN	X	X
S-1.4	ROOF FRAMING PLAN	X	X
S-2.1	FOUNDATION DETAILS		X
S-3.1	FRAMING DETAILS		X
S-3.2	FRAMING DETAILS		X

MECHANICAL DRAWINGS			
NUMBER	NAME	DD SET	CD SET
M0.1	MECHANICAL LEGEND, NOTES, & ABBREVIATIONS		X
M1.0	MECHANICAL DEMOLITION PLANS	X	X
M2.0	MECHANICAL BASEMENT PROPOSED PLAN		X
M3.0	MECHANICAL LEVEL 1 PROPOSED PLAN		X
M4.0	MECHANICAL DETAILS		X
M5.0	MECHANICAL SCHEDULES		X

PLUMBING DRAWINGS			
NUMBER	NAME	CD SET	
P0.1	PLUMBING LEGEND, SCHEDULES, & ABBREVIATIONS	X	
P1.0	PLUMBING BASEMENT DOMESTIC DEMOLITION PLANS	X	
P2.0	PLUMBING BASEMENT DOMESTIC PROPOSED PLAN	X	
P3.0	PLUMBING BASEMENT SANITARY DEMOLITION PLAN	X	
P4.0	PLUMBING BASEMENT SANITARY PROPOSED PLAN	X	

ELECTRICAL DRAWINGS			
NUMBER	NAME	DD SET	CD SET
E1.0	ELECTRICAL LEGENDS, SCHEDULES, AND DETAILS		X
E2.0	ELECTRICAL DEMOLITION PLANS	X	X
E3.0	ELECTRICAL POWER PLANS	X	X
E4.0	ELECTRICAL LIGHTING PLANS		X
E5.0	FIRE ALARM PLANS		X
E6.0	ELECTRICAL ONE-LINE DISTRIBUTION DIAGRAM		X
E6.1	PANEL SCHEDULES & LIGHTING CONTROL DETAILS		X

PROJECT INFORMATION

Primary State Adopted Codes

NFPA 101 Life Safety Code, 2015 edition

- Chapters 1-11 General Code requirements
- **Chapter 13 Existing Assembly Occupancies**
- **Chapter 43 Building Rehabilitation**

NFPA 1 Fire Code, 2015 edition (page 404)

- NFPA 220 for construction type

NFPA 70 National Electrical Code, 2017 edition

ICC International Plumbing Code, 2015 edition

Vermont Access Rules (ADA), 2012 edition (2013 Amendment)

2010 Americans with Disabilities Act (ADA) Standards and Accessibility Guidelines

*When a conflict between codes is identified, NFPA applies for all categories, or where one code or standard has a requirement and another code or standard does not have a requirement the code or standard with a requirement shall apply.

*Vermont's Commercial Building Energy Standards apply as a mandatory minimum to all public buildings in Vermont, except as otherwise indicated.

PROJECT DESCRIPTION SUMMARY

The Town of Moretown, Vermont, has engaged the services of Vermont Integrated Architecture, P.C. (VIA) for design services for the renovation to their historic Town Hall building at both (2) levels, as well as the immediate site.

The main goals of the project are to improve life safety, allow for ADA accessibility throughout the building, and to improve the building's energy performance.

An accessible route will be added to the building's exterior, as well as a vertical platform lift on the interior, serving both levels, and the raised floor area. Interior spaces at the lower level are to be reconfigured to better suit programmatic needs and the local community. Energy vestibules will be added at the main and lower level. The existing lift tower and chimney will be removed.

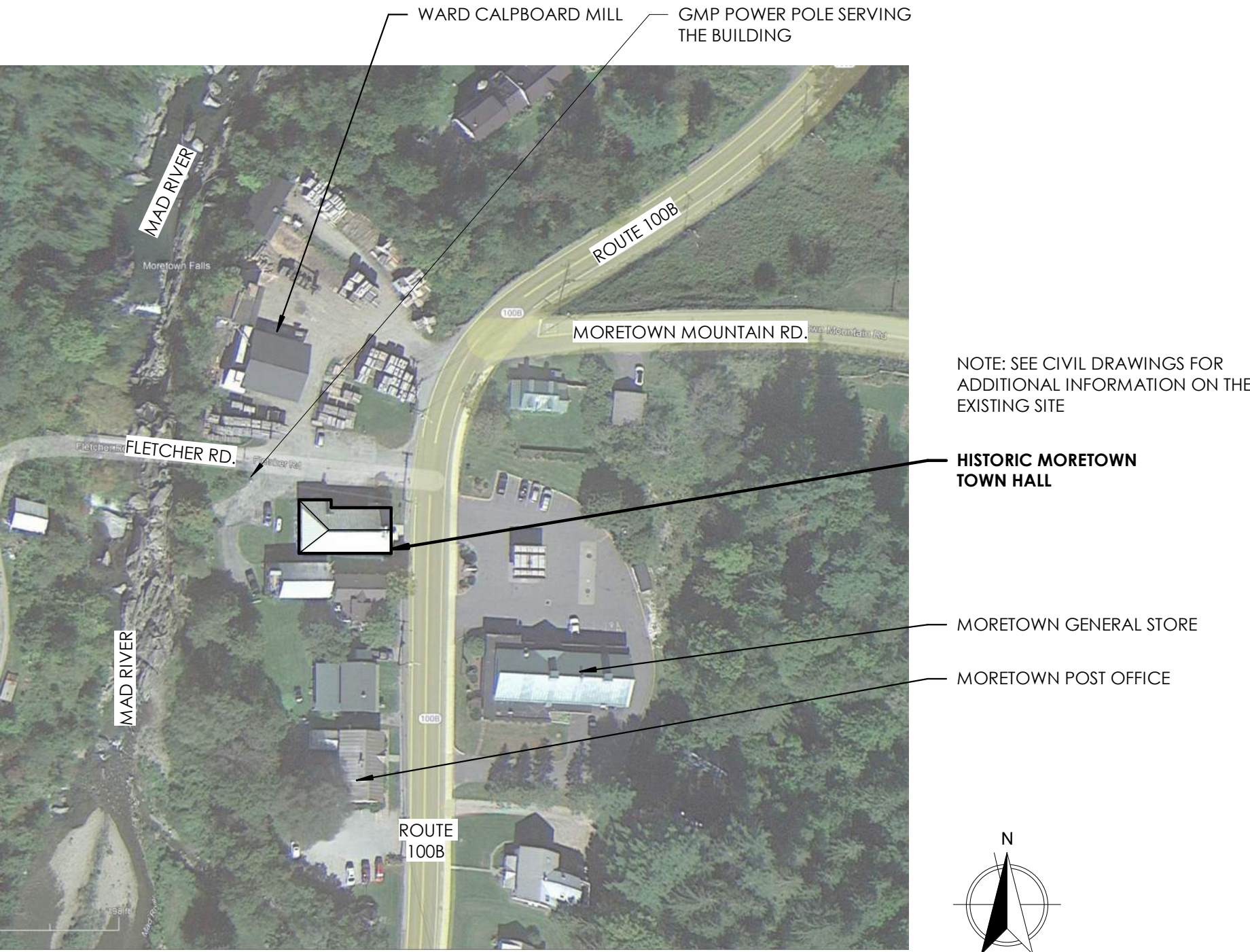
See Architectural specifications for additional information.

USE AND OCCUPANCY CLASSIFICATION

NFPA - 6.1.14.3.2 - Building Occupancy is Assembly



Existing Photo From Route 100, Looking Southwest
Not to Scale



Project Locator Map
Not to Scale



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DATE ISSUED: 02/21/25

Drawn: JG

Checked: MN

REVISIONS:

FOR CONSTRUCTION

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

COVER SHEET

A-0.0



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A-0.1

B.B.	ANCHOR BOLT	FD.	FLOOR DRAIN
A.C.T.	ACOUSTICAL TILE	FE	FIRE EXTINGUISHER
A.D.	AREA DRAIN	FG	FIBERGLASS
A.F.F.	ABOVE FINISHED FLOOR	FH	FIRE HYDRANT
A/C	AIR CONDITIONING	F.O.	FACE OF
ACOUST.	ACOUSTICAL	F.O.F.	FACE OF FINISH
ADJ.	ADJUSTABLE	FIN.	FINISH(ED)
ALT.	ALTERNATE	FIXT.	FIXTURE
ALUM./AL	ALUMINUM	FLR.	FLOOR
ANCH.	ANCHOR(AGE)	FND.	FOUNDATION
ANOD.	ANODIZED	FR.	FRAME
A.P.	ACCESS PANEL	FT.	FOOT/FEET
APPROX.	APPROXIMATE	FTG.	FOOTING
		FUR.	FURRING
B.M.	BENCHMARK	FURN.	FURNISHED/FURNITURE
B.W.	BOTH WAYS	FCIC	FURNISHED & INSTALLED BY CONTRACTOR
BD.	BOARD	FOIC	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
BLDG.	BUILDING		
BLKG.	BLOCKING	G.W.B.	GYPNUM WALL BOARD
BO	BY OTHERS	GA.	GAUGE
BOT.	BOTTOM	GALV.	GALVANIZED
BSMT.	BASEMENT	GKT.	GASKET
		GL.	GLASS
		GYP.	GYPNUM
C.B.	CATCH BASIN		
C.I.	CAST IRON	H.B.	HOSE BIBB
C.I.P.	CAST IN PLACE	H.C.	HOLLOW CORE
C.J.	CONTROL JOINT	H.M.	HOLLOW METAL
C.M.U.	CONCRETE MASONRY UNIT	HVAC	HEATING VENTILATING & AIR COND
C.T.	CERAMIC TILE	H/C	HANDICAPPED
CAB.	CABINET	HDWD.	HARDWOOD
C/L	CENTERLINE	HDWARE	HARDWARE
CLG.	CEILING	HOR.	HORIZONTAL
CLOS.	CLOSET	HSS	HOLLOW STRUCTURAL SECTION
CLR.	CLEAR	HT.	HEIGHT
COL.	COLUMN	HWB	HOT WATER HEATER
CONC.	CONCRETE		
CONN.	CONNECTION		
COR.	CORRUGATED	I.D.	INSIDE DIAMETER
CPT.	CARPET	INCLD (J) (ING)	INCLUDE(D) (ING)
CTR.	CENTER	INSUL.	INSULATE(D) (ING)
		INT.	INTERIOR
		INV.	INVERT
D.	DEPTH		
D.F.	DRINKING FOUNTAIN	JC	JANITOR'S CLOSET
D.H.	DOUBLE HUNG	JAN.	JANITOR
D.O.	DOOR OPENING	JST.	JOIST
DIA.	DIAMETER	JT.	JOINT
DIAG.	DIAGONAL		
DIM.	DIMENSION		
DL.	DEAD LOAD	L.	LENGTH
DN.	DOWN	LF	LINEAR FEET
DTL.	DETAIL	L.L.	LIVE LOAD
DWG.	DRAWING	L.L.H.	LONG LEG HORIZONTAL
		L.L.V.	LONG LEG VERTICAL
E.J.	EXPANSION JOINT	LAM.	LAMINATE
EA.	EACH	LAV.	LAVATORY
ELEC.	ELECTRIC(AL)	LOC.	LOCATE(D) (-ION)
ELEV.	ELEVATION	LT.GA.	LIGHT GAUGE
EP.	ELECTRICAL PANEL	LTG.	LIGHTING
EQ.	EQUAL	LTL.	LINTEL
EQUIP.	EQUIPMENT	LVR.	LOUVER
EXP.	EXPOSED		
EXTG.	EXISTING		
EXT.	EXTERIOR		

	INTERIOR ELEVATION REFERENCE		ELEVATION MARK
	BUILDING SECTION REFERENCE		FLOOR TRANSITION
	BUILDING SECTION REFERENCE		CENTERLINE
	WALL SECTION REFERENCE		BREAK LINE
	DETAIL REFERENCE		ASSEMBLY LEADER
	EXTERIOR ELEVATION REFERENCE		REVISION CLOUD & DELTA
	GRID BUBBLE		WALL TYPE DESIGNATION
	SPOT ELEVATION- PLAN		DOOR DESIGNATION
	SPOT ELEVATION- PLAN		WINDOW DESIGNATION
	ROOM DESIGNATION		KEYNOTE REFERENCE
	ROOM DESIGNATION		ENLARGED DETAIL REFERENCE

Moretown Town Hall - 2024

Plumbing Fixture Count
IBC 2015 (page 571), Table 2902.1

Water Closets

Space Use	Occupant Load (A-0.4)	M/F @ 50%	Water Closet / Occupant Ratio	Fixtures Required
Accessory / Storage	7		100	0.07
Business			25	0.00
Existing Assembly A-3 Male	143	71.5	125	0.57
Existing Assembly A-3 Female		71.5	65	1.10
Assembly A-3 Male		0	125	0.00
Assembly A-3 Female		0	65	0.00
Subtotal				1.74
Total Occupants	150		Total Required	2

Lavatories

Space Use	Occupant Load (A-0.4)	M/F @ 50%	Water Closet / Occupant Ratio	Fixtures Required
Accessory / Storage	7		100	0.07
Business			40	0.00
Existing Assembly A-3	143		200	0.72
Assembly A-3			200	0.00
Subtotal				0.79
Total Occupants	150		Total Required	1

Drinking Fountains

Space Use	Occupant Load (A-0.4)	M/F @ 50%	Water Closet / Occupant Ratio	Fixtures Required
Accessory / Storage	7		1000	0.01
Business			100	0.00
Existing Assembly A-3	143		500	0.29
Assembly A-3			500	0.00
Subtotal				0.29
Total Occupants	150		Total Required	1

NEW PROGRAM SCHEDULE- MAIN LEVEL					
ROOM NAME	ROOM NUMBER	OCCUPANCY TYPE	AREA	OCCUPANT MULTIPLIER	OCCUPANT LOAD
MAIN HALL	23	ASSEMBLY	889 SF	1.5SF/OCCUPANT	60 OCCUPANTS
RAISED FLOOR AREA	24	ASSEMBLY	437 SF	1.5SF/OCCUPANT	29 OCCUPANTS
TOY/PLAY AREA	21	BUSINESS	91 SF	50SF/OCCUPANT	2 OCCUPANTS
STAFF AREA	22	BUSINESS	93 SF	50SF/OCCUPANT	2 OCCUPANTS
TOTAL AREA: 1,510 SF					82 PERSONS TOTAL WITH LIMITED OCC. LOAD

OCCUPANCY NOTES:

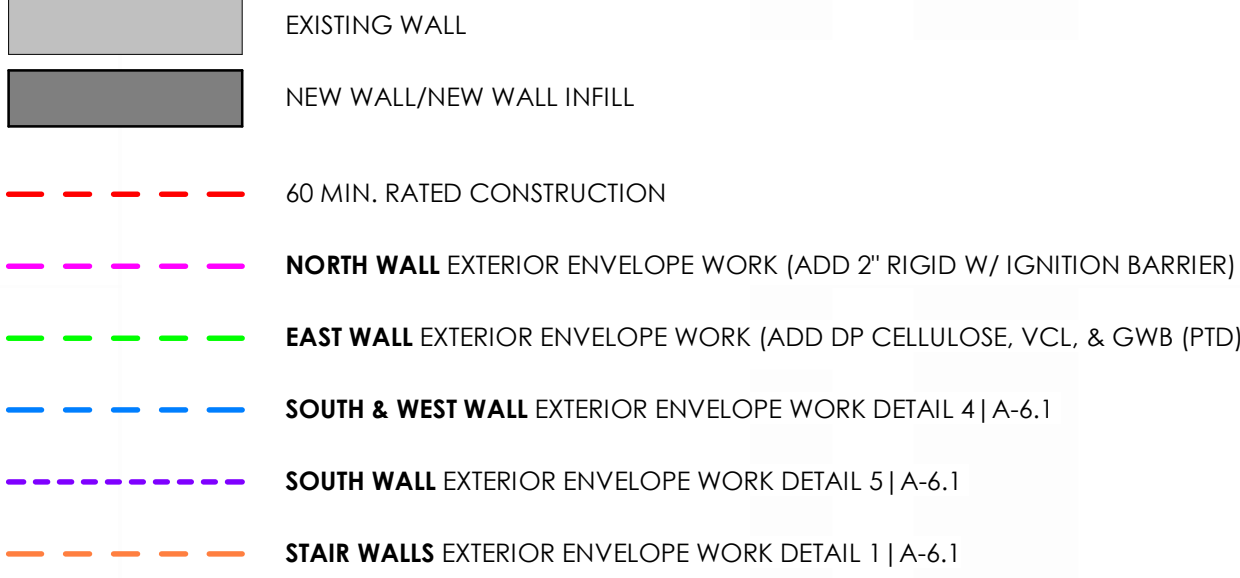
-ACCESSORY: 300 SF/OCCUPANT
-ASSEMBLY: 7 SF/OCCUPANT
-ASSEMBLY (LESS CONCENTRATED): 15 SF/OCCUPANT
-ASSEMBLY, PERFORMING STAGES: 15 SF/OCCUPANT
-LIBRARY READING: 50 SF NET/OCCUPANT
-LIBRARY STACKS: 100 SF/OCCUPANT
-ACCESSORY: 300 SF/OCCUPANT

NEW PROGRAM SCHEDULE- LOWER LEVEL					
ROOM NAME	ROOM NUMBER	OCCUPANCY TYPE	AREA	OCCUPANT MULTIPLIER	OCCUPANT LOAD
STORAGE 1	01	ACCESSORY	158 SF	300SF/OCCUPANT	1 OCCUPANT
STORAGE 2	02	ACCESSORY	89 SF	300SF/OCCUPANT	1 OCCUPANT
MECHANICAL	02A	ACCESSORY	107 SF	300SF/OCCUPANT	1 OCCUPANT
WC 2	05	ACCESSORY	60 SF	300SF/OCCUPANT	1 OCCUPANT
WC 1	06	ACCESSORY	40 SF	300SF/OCCUPANT	1 OCCUPANT
ELEC. / PLUMB.	07	ACCESSORY	74 SF	300SF/OCCUPANT	1 OCCUPANT
KITCHEN	09	ACCESSORY	184 SF	300SF/OCCUPANT	1 OCCUPANT
TOTAL AREA: 1,228 SF					41 PERSONS TOTAL OCC. LOAD

EGRESS PLAN KEY

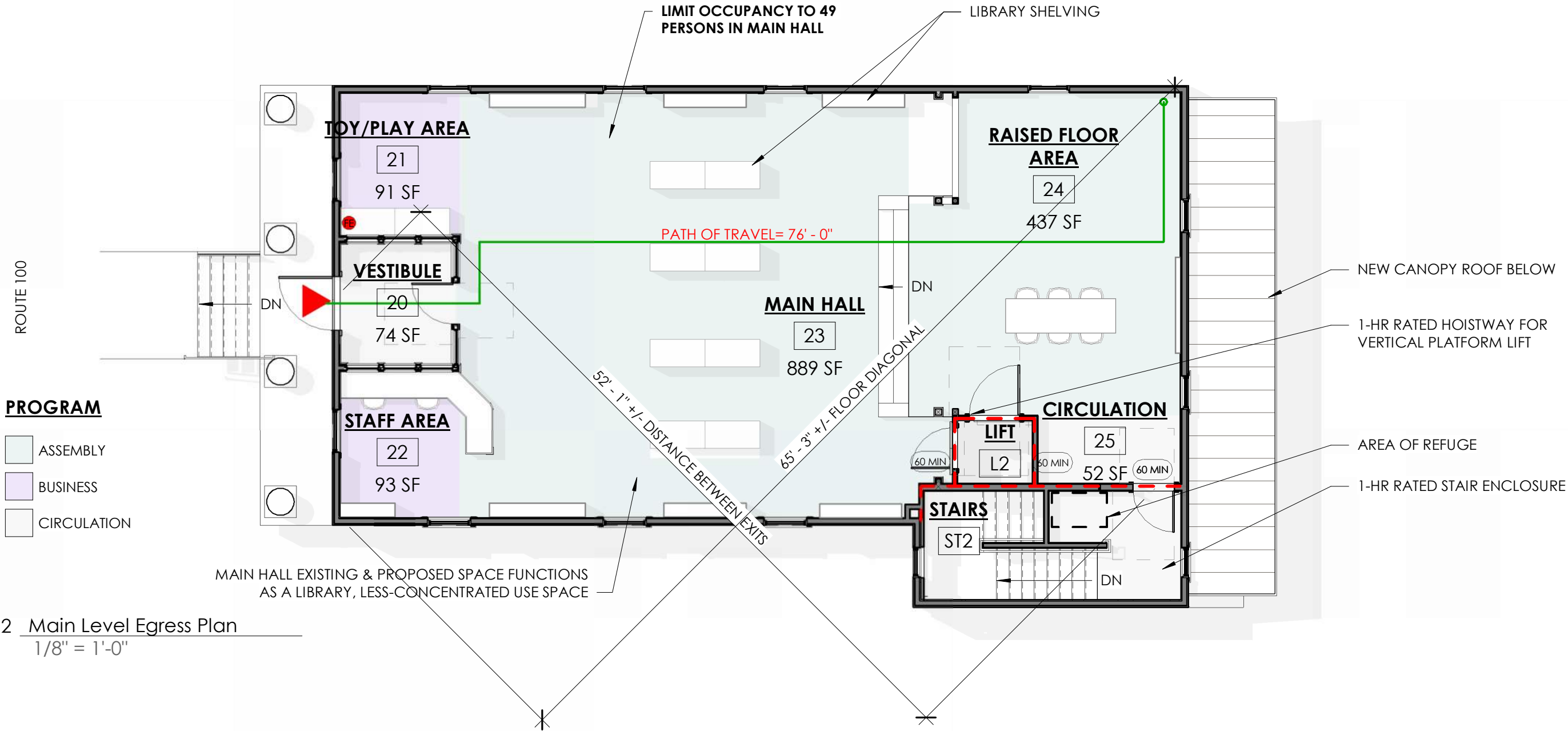


FLOOR PLAN LEGEND

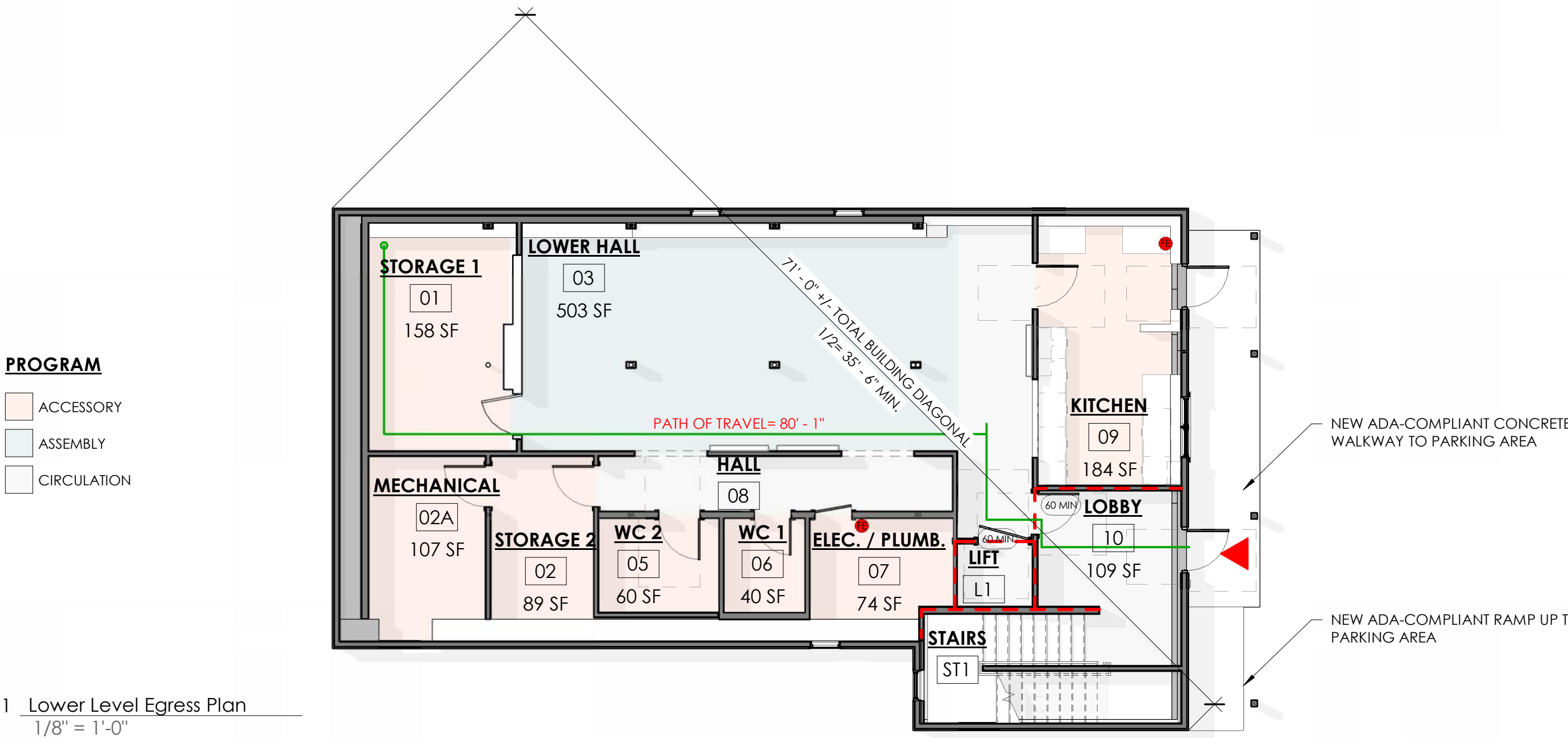


EGRESS PLAN NOTES

- EXIT ACCESS TRAVEL DISTANCE:
A. 200'-0" MAX IN EXISTING ASSEMBLY OCCUPANCIES
- REMTENESS (NFA 101, 7.5.1.3.2.1) DISTANCE BETWEEN TWO EXITS, EXIT ACCESS, OR EXIT DISCHARGE IN A NON-SPRINKLED BUILDING TO BE NOT LESS THAN 1/2 LENGTH OF DIAGONAL DIMENSION OF AREA SERVED.
- CONTRACTOR TO ENSURE ADA ACCESS & COMPLIANCE, AND EMERGENCY EGRESS + EXITING, IS PROVIDED AND MAINTAINED DURING CONSTRUCTION, IF OWNER CONTINUES OPERATING DURING CONSTRUCTION.
- SEE PROJECT MANUAL APPENDIX CODE REVIEW FOR ADDITIONAL INFORMATION.
- SEE THIS SHEET FOR OCCUPANCY AREAS AND CALCULATIONS.
- FIRE CAULK ALL PENETRATIONS, JOINTS, AND TRANSITIONS IN/AT 1-HOUR RATED ASSEMBLIES.
- ALL RATED WALLS MUST EXTEND TO THE UNDERSIDE OF DECK, U.O.N.
- RATING OF THE MECHANICAL ROOM (FOR AN EXISTING BUILDING) IS NOT NEEDED, AS THE TOTAL BTU'S OF THE EQUIPMENT IS LESS THAN 400,000 BTU (DESIGN HAS APPROX. 160,000 TOTAL BTU IN THE ROOM)



2 Main Level Egress Plan
1/8" = 1'-0"



1 Lower Level Egress Plan
1/8" = 1'-0"



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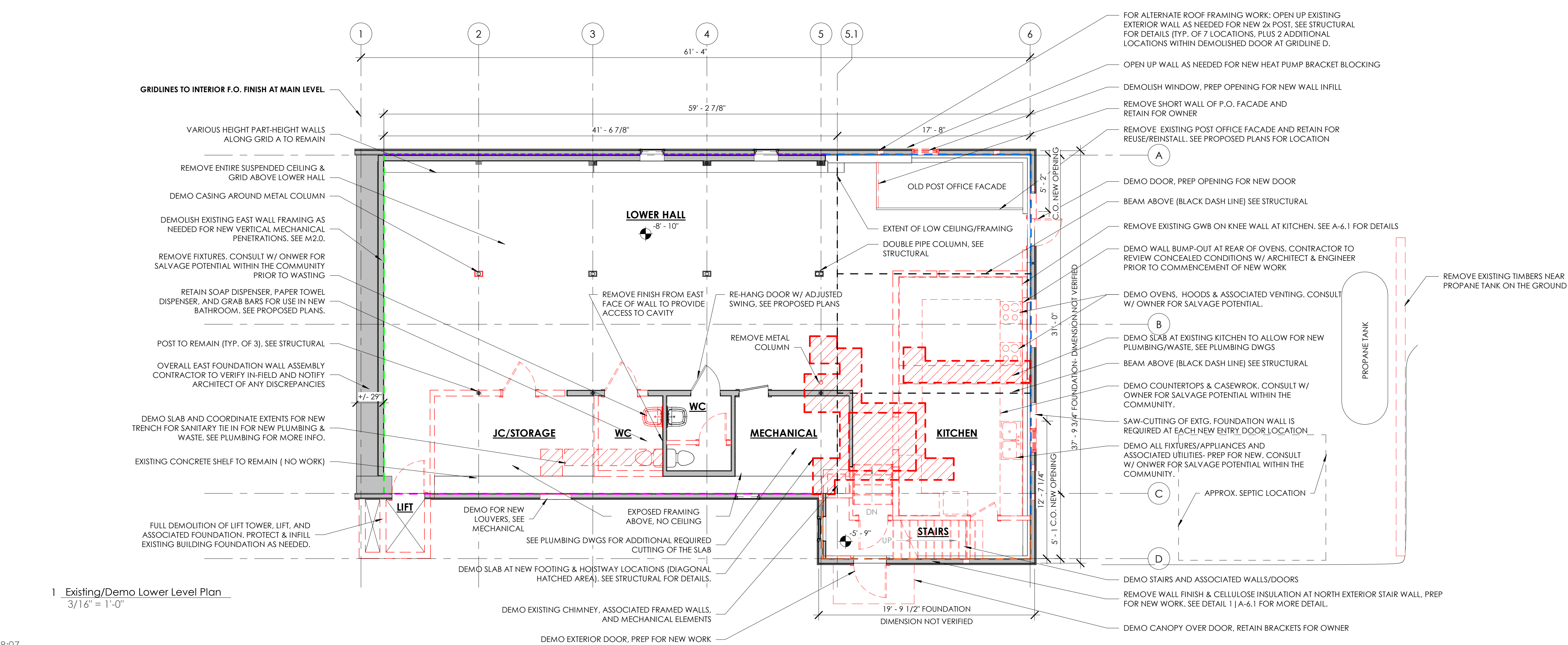
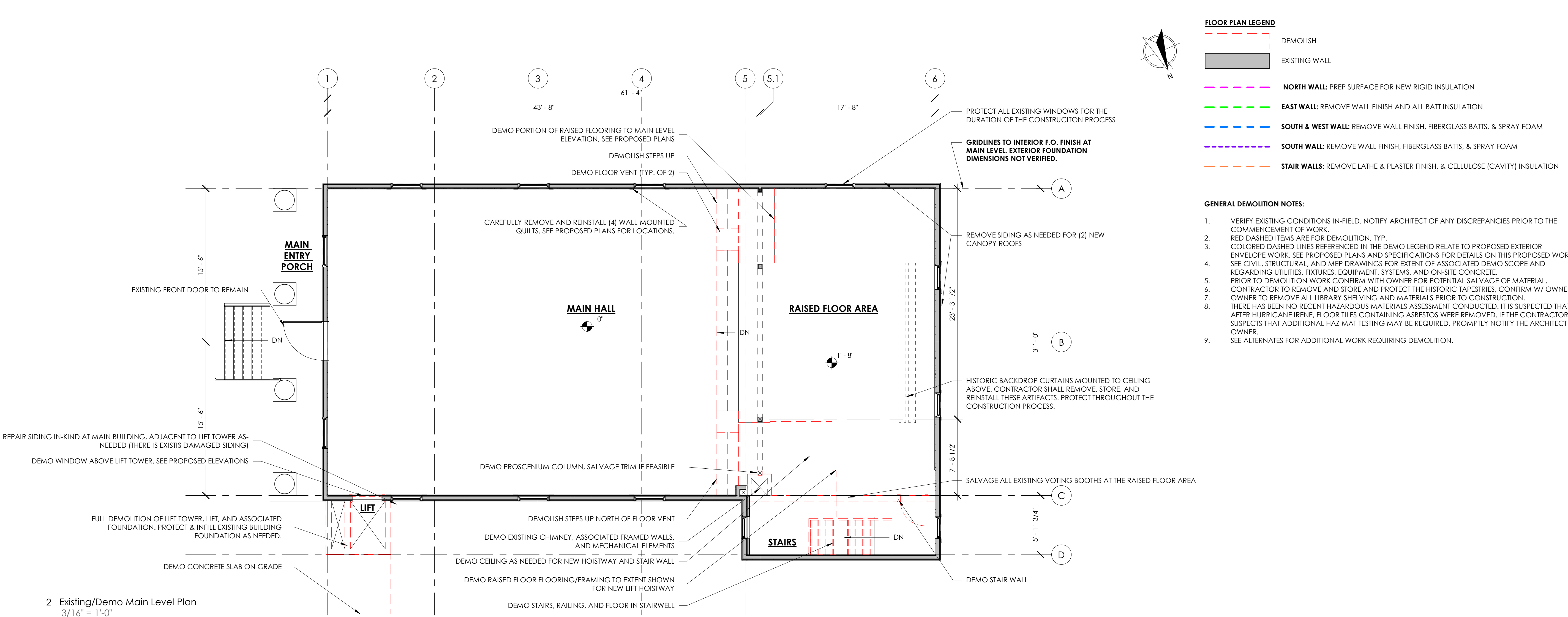
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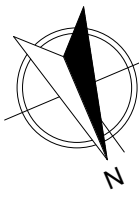
EGRESS PLANS

A-0.3



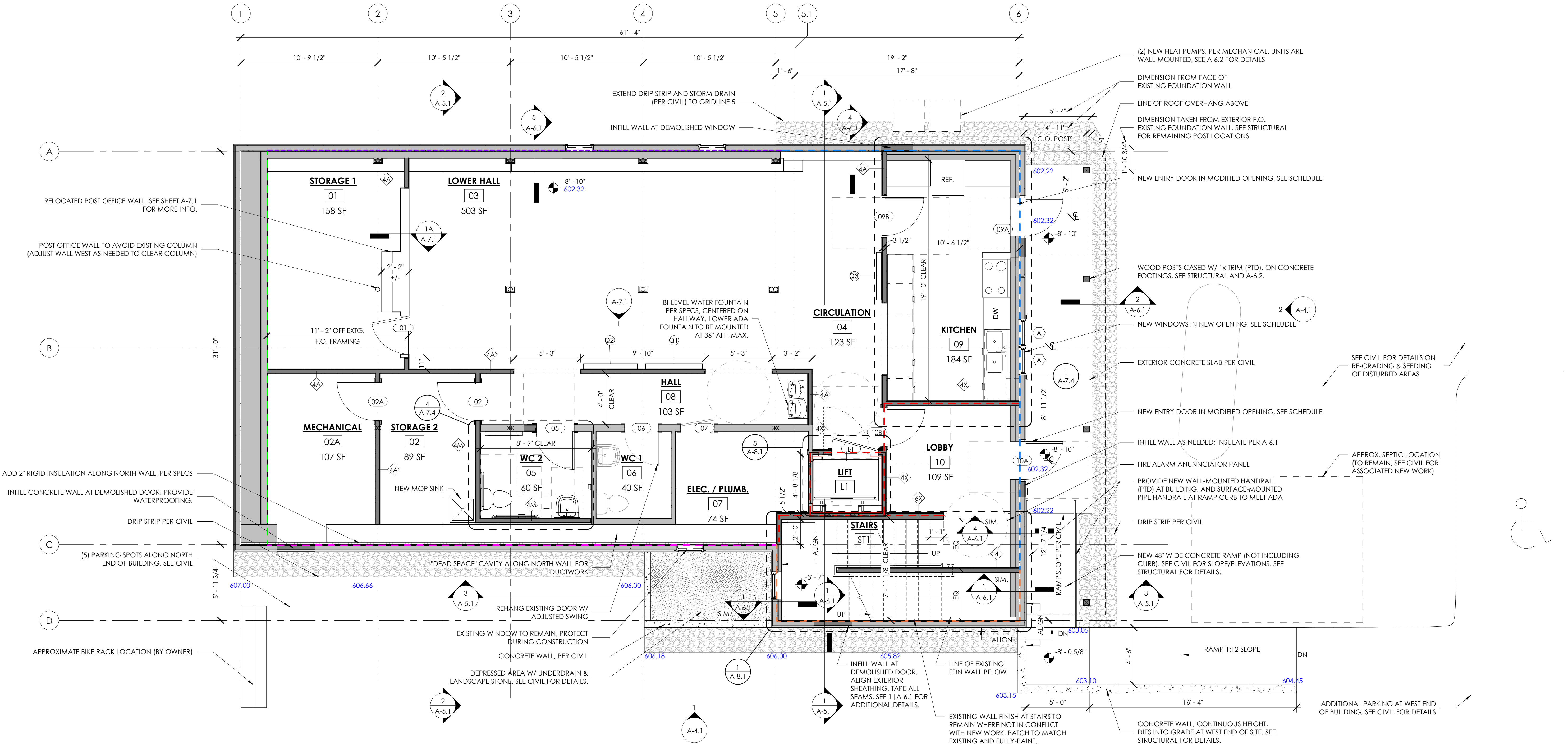
GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.
4. SEE ENLARGED STAIR & LIFT DWGS. FOR ASSOCIATED DIMENSIONS.
5. SEE CIVIL DRAWINGS FOR UTILITIES, SITE ELEMENTS, AND ON-SITE CONCRETE INFO & DETAILS.
6. SEE CIVIL DRAWINGS FOR NEW FOUNDATION DRAINAGE AND GRAVEL DRIP STRIPS.
7. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND FRAMING INFORMATION & DETAILS, AS WELL AS CONCRETE INFO & DETAILS.
8. EXISTING QUILTS, TAGGED AS "Q1, Q2, Q3, & Q4, SUPPLIED BY OWNER, MOUNTED BY CONTRACTOR.
9. ALL KITCHEN APPLIANCES SHOWN BY OWNER SHALL BE INSTALLED BY CONTRACTOR.
10. ALL FURNITURE IS BY OWNER, AND IS FOR REFERENCE ONLY.
11. PROVIDE BLOCKING FOR ALL WALL-MOUNTED CASEWORK, EQUIPMENT, AND ACCESSORIES, INCLUDING OWNER SUPPLIED ITEMS.
12. SEE ALTERNATES SPECIFICATION SECTION FOR ADDITIONAL SCOPES & WORK.



FLOOR PLAN LEGEND

- | | |
|--|--|
| | EXISTING WALL |
| | NEW WALL/NEW WALL INFILL |
| | 60 MIN. RATED CONSTRUCTION |
| | NORTH WALL EXTERIOR ENVELOPE WORK (ADD 2" RIGID W/ IGNITION BARRIER) |
| | EAST WALL EXTERIOR ENVELOPE WORK (ADD DP CELLULOSE, VCL, & GWB (PTD)) |
| | SOUTH & WEST WALL EXTERIOR ENVELOPE WORK DETAIL 4 A-6.1 |
| | SOUTH WALL EXTERIOR ENVELOPE WORK DETAIL 5 A-6.1 |
| | STAIR WALLS EXTERIOR ENVELOPE WORK DETAIL 1 A-6.1 |
| | APPROX. GRADE ELEVATIONS PER CIVIL (SEE CIVIL DWGS FOR PRECISE GRADING, SHOWN HERE FOR REFERENCE ONLY) |



1 Proposed Lower Level Floor Plan
1/4" = 1'-0"



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LOWER LEVEL
PLAN

A-2.1

LIBRARY SHELVING SCHEDULE							
TYPE MARK	COUNT	WIDTH	DEPTH	HEIGHT	# OF SHELVES	TOTAL CAPACITY	COMMENTS
A6	4	72"	12"	72"	6	144' - 0"	WALL-MOUNTED, FIXED SHELF, FCIC
A7	2	84"	12"	72"	6	84' - 0"	WALL-MOUNTED, FIXED SHELF, FCIC
C1	2	48"	24"	36"	6	48' - 0"	NEW CHILDREN'S ROLLING BOOK STORAGE CART (DOUBLE SIDED)
CS	2	48"	24"	36"	4	32' - 0"	EXISTING CHILDRENS BOOK CASE W/ BINS BELOW
R	4	48"	24"	48"	8	128' - 0"	EXISTING ROLLING UNITS ON CASTERS
R1	2	48"	24"	48"	8	64' - 0"	NEW ROLLING UNITS ON CASTERS TO MATCH EXTG.
16	TOTAL SHELVING UNITS (6 UNITS EXISTING)					500' - 0"	TOTAL LINEAR SHELVING FEET

10 BOOKS / LINEAR FOOT
5,000 BOOKS TOTAL WITH 500 LINEAR FEET

LIBRARY SHELVING NOTES:

1. SEE A2.2 FOR SHELVING TYPE AND LOCATIONS.
2. SEE A-9.1 FOR SHELVING DETAILS.
3. **CONTRACTOR TO PROVIDE & INSTALL FIXED SHELVING UNITS.**
 - A. **ROLLER UNITS TO BE SUPPLIED AND LAID OUT BY OWNER. LAYOUT SHOWN IS FOR REFERENCE ONLY.**
4. **SHELVING SCHEDULE SHOWN IS FOR LINEAR FOOTAGE CALCULATIONS ONLY, FOR THE LIBRARY'S REFERENCE. CONTRACTOR TO REFER TO MILLWORK DRAWINGS FOR SIZES OF UNITS TO BE CONSTRUCTED.**
5. **CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF SHELVING UNITS FOR OWNER & ARCHITECT PRIOR TO FABRICATION OF ANY UNITS.**
6. **SEE SPECIFICATIONS FOR ROLLER SHADE BASIS OF DESIGN PRODUCT.**
7. **THERE IS NO WORK FOR THE CONTRACTOR REGARDING EXISTING SHELVING. THESE UNITS WILL BE MOVED INTO OR OUT OF THE BUILDING BY THE OWNER.**
8. **ALL NEW UNITS TO BE FINISH GRADE MAPLE PLYWOOD, CLEAR FINISH, PER SPECS.**
9. **NOTE SHELVING UNIT "A4" IS NOT SHOWN IN THE SCHEDULE, AS IT DOES NOT CONTRIBUTE TO USABLE SHELVING SPACE FOR PATRONS. IT IS HOWEVER WITHIN THE SCOPE-OF-WORK.**
10. **SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION ON LIBRARY SHELVING.**

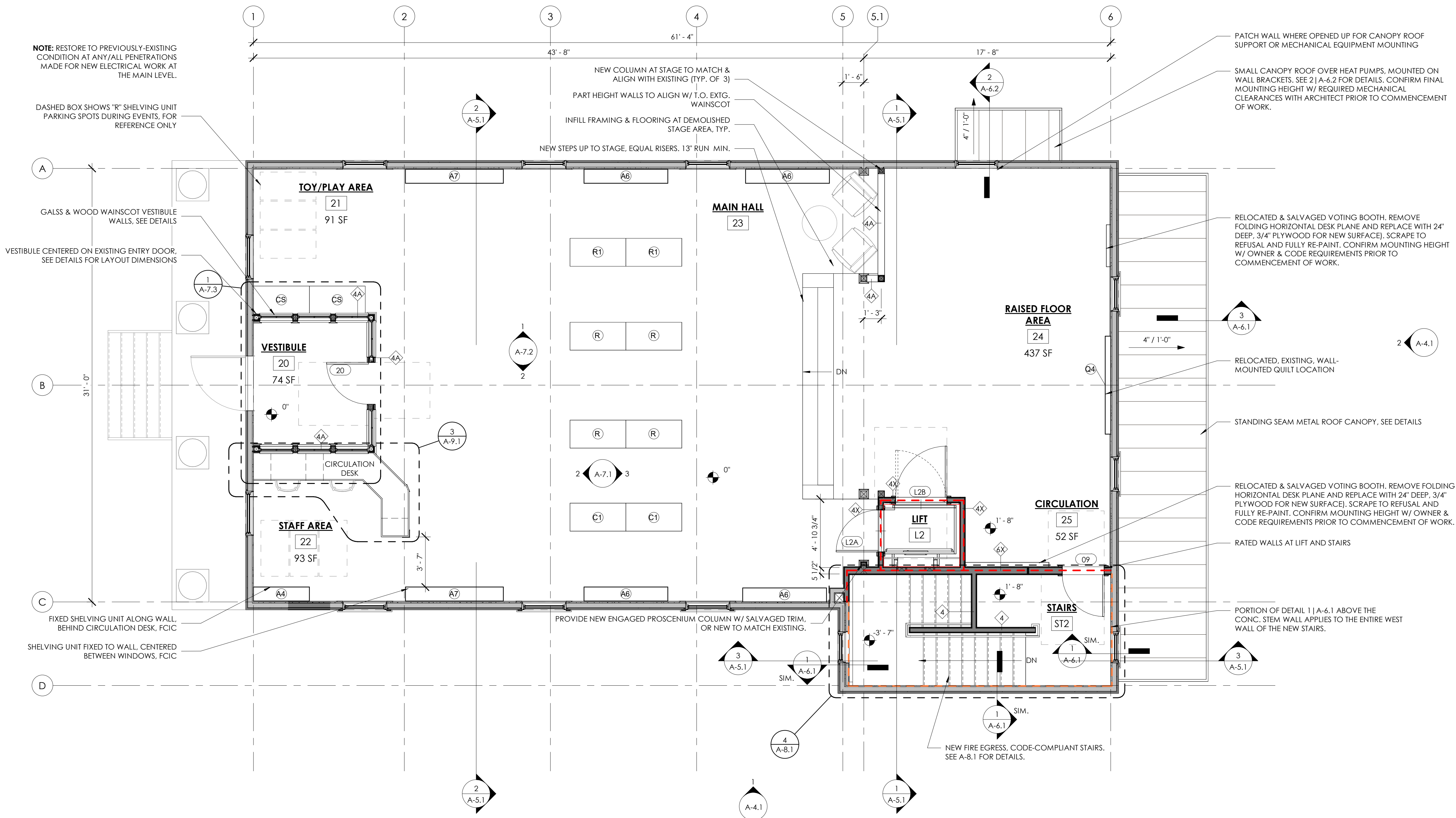
GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.
4. SEE ENLARGED STAIR & LIFT DWGS. FOR ASSOCIATED DIMENSIONS.
5. SEE CIVIL DRAWINGS FOR UTILITIES, SITE ELEMENTS, AND ON-SITE CONCRETE INFO & DETAILS.
6. SEE CIVIL DRAWINGS FOR NEW FOUNDATION DRAINAGE AND GRAVEL DRIP STRIPS.
7. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND FRAMING INFORMATION & DETAILS, AS WELL AS CONCRETE INFO & DETAILS.
8. EXISTING QUALITIES, TAGGED AS Q1, Q2, Q3, & Q4, SUPPLIED BY OWNER, MOUNTED BY CONTRACTOR.
9. ALL KITCHEN APPLIANCES SHOWN BY OWNER SHALL BE INSTALLED BY CONTRACTOR.
10. ALL FURNITURE IS BY OWNER, AND IS FOR REFERENCE ONLY.
11. PROVIDE BLOCKING FOR ALL WALL-MOUNTED CASEWORK, EQUIPMENT, AND ACCESSORIES, INCLUDING OWNER SUPPLIED ITEMS.
12. SEE ALTERNATES SPECIFICATION SECTION FOR ADDITIONAL SCOPES & WORK.



FLOOR PLAN LEGEND

- | | |
|---|--|
|  | EXISTING WALL |
|  | NEW WALL/NEW WALL INFILL |
|  | 60 MIN. RATED CONSTRUCTION |
|  | NORTH WALL EXTERIOR ENVELOPE WORK (ADD 2" RIGID W/IGN) |
|  | EAST WALL EXTERIOR ENVELOPE WORK (ADD DP CELLULOSE, VO) |
|  | SOUTH & WEST WALL EXTERIOR ENVELOPE WORK DETAIL 4 A-6.1 |
|  | SOUTH WALL EXTERIOR ENVELOPE WORK DETAIL 5 A-6.1 |
|  | STAIR WALLS EXTERIOR ENVELOPE WORK DETAIL 1 A-6.1 |
- BLUE TEXT**
- APPROX. GRADE ELEVATIONS PER CIVIL (SEE CIVIL DWGS FOR PRECISE GRADING, SHOWN HERE FOR REFERENCE ONLY)



1 Proposed Main Level Floor Plan
1/4" = 1'-0"

3/6/2025 15:38:12

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DATE ISSUED: 02/21/25
Drawn: JG
Checked: MN

REVISIONS:

FOR CONSTRUCTION

MORETOWN
TOWN HALL

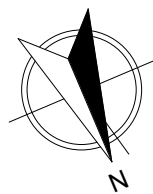
1147 Route 100B,
Moretown, VT 05660

MAIN LEVEL PLAN

A-2.2

GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N.
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.
4. SEE ENLARGED STAIR & LIFT DWGS. FOR ASSOCIATED DIMENSIONS.
5. SEE CIVIL DRAWINGS FOR UTILITIES, SITE ELEMENTS, AND ON-SITE CONCRETE INFO & DETAILS.
6. SEE CIVIL DRAWINGS FOR NEW FOUNDATION DRAINAGE AND GRAVEL DRIP STRIPS.
7. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND FRAMING INFORMATION & DETAILS, AS WELL AS CONCRETE INFO & DETAILS.
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12. SEE ALTERNATES SPECIFICATION SECTION FOR ADDITIONAL SCOPES & WORK.



FLOOR PLAN LEGEND

- EXISTING WALL
- NEW WALL/NEW WALL INFILL



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REVISIONS:

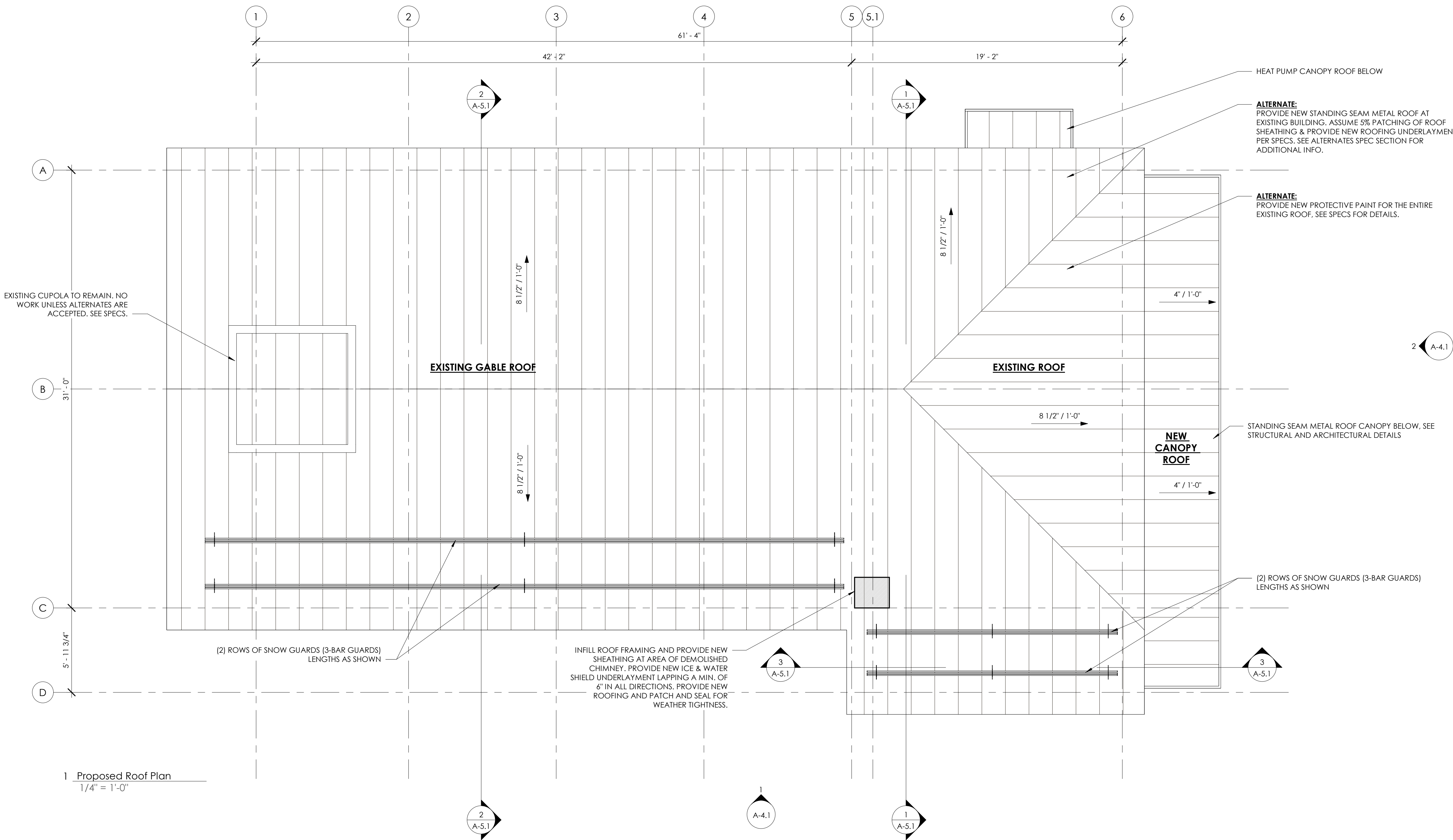
FOR CONSTRUCTION

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

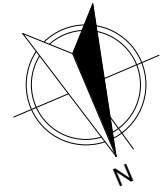
ROOF PLAN

A-2.3



RCP NOTES:

1. SEE ELECTRICAL FOR ALL LIGHTING AND DEVICE QUANTITIES. LIGHTING ON ARCHITECTURAL RCPs ARE FOR LOCATIONAL REFERENCE ONLY.
2. VERIFY ALL DIMENSIONS IN-FIELD PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF DISCREPANCIES.
3. VERIFY ALL CEILING HEIGHTS SHOWN IN FIELD PRIOR TO THE COMMENCEMENT OF WORK.
4. SOFFIT WIDTHS SHOWN ARE TO OUTSIDE FACE-OF-FINISH. SEE DETAILS FOR CONSTRUCTION INFORMATION.
5. COORDINATE WITH MECHANICAL DRAWINGS FOR HVAC DEVICE/CONTROL LOCATIONS. REVIEW AND CONFIRM FINAL LAYOUT WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
6. SEE ELECTRICAL PLANS FOR EMERGENCY LIGHTING, EXIT SIGNAGE, FIRE-DETECTION DEVICES, ETC.
7. FIXTURES TO BE CENTERED WITHIN A CEILING TILE, U.N.O.
8. PROVIDE CEILING TRANSITION STRIPS AND/OR METAL CLOSURES AT ALL CEILING PLANE CHANGES, TYP.

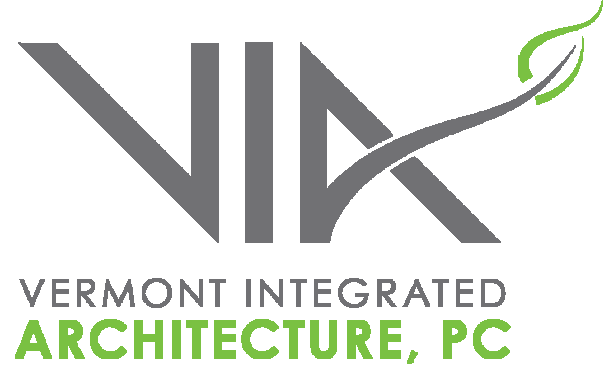
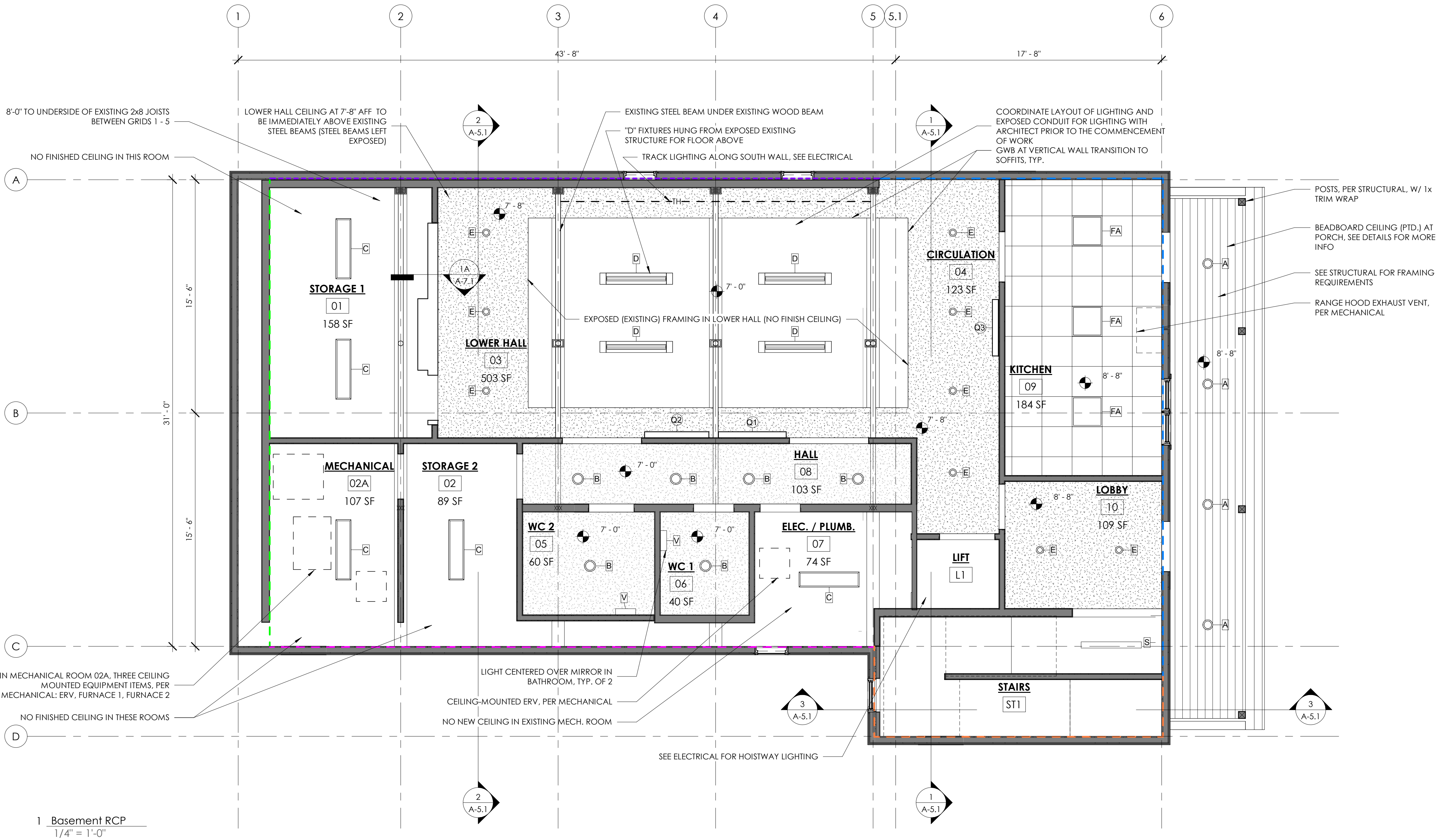


FLOOR PLAN LEGEND

- | | |
|--|--|
| | EXISTING WALL |
| | NEW WALL/NEW WALL INFILL |
| | 60 MIN. RATED CONSTRUCTION |
| | NORTH WALL EXTERIOR ENVELOPE WORK (ADD 2" RIGID W/ IGNITION BARRIER) |
| | EAST WALL EXTERIOR ENVELOPE WORK (ADD DP CELLULOSE, VCL, & GWB (PTD)) |
| | SOUTH & WEST WALL EXTERIOR ENVELOPE WORK DETAIL 4 A-6.1 |
| | SOUTH WALL EXTERIOR ENVELOPE WORK DETAIL 5 A-6.1 |
| | STAIR WALLS EXTERIOR ENVELOPE WORK DETAIL 1 A-6.1 |
| | APPROX. GRADE ELEVATIONS PER CIVIL (SEE CIVIL DWGS FOR PRECISE GRADING, SHOWN HERE FOR REFERENCE ONLY) |

CEILING TYPES

- | | |
|--|-------------------------|
| | OPEN TO ABOVE/EXISTING |
| | NEW GWB CEILING, PTD. |
| | BEADBOARD CEILING, PTD. |
| | ACT CEILING (2'x2') |



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MORETOWN
TOWN HALL

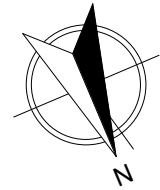
1147 Route 100B,
Moretown, VT 05660

LOWER LEVEL RCP

A-3.1

RCP NOTES:

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3. VERIFY ALL CEILING HEIGHTS SHOWN IN FIELD PRIOR TO THE COMMENCEMENT OF WORK.
4. SOFFIT WIDTHS SHOWN ARE TO OUTSIDE FACE-OF-FINISH. SEE DETAILS FOR CONSTRUCTION INFORMATION.
5. COORDINATE WITH MECHANICAL DRAWINGS FOR HVAC DEVICE/CONTROL LOCATIONS. REVIEW AND CONFIRM FINAL LAYOUT WITH ARCHITECT PRIOR TO COMMENCEMENT OF WORK.
6. SEE ELECTRICAL PLANS FOR EMERGENCY LIGHTING, EXIT SIGNAGE, FIRE-DETECTION DEVICES, ETC.
7. FIXTURES TO BE CENTERED WITHIN A CEILING TILE, U.N.O.
8. PROVIDE CEILING TRANSITION STRIPS AND/OR METAL CLOSURES AT ALL CEILING PLANE CHANGES, TYP.

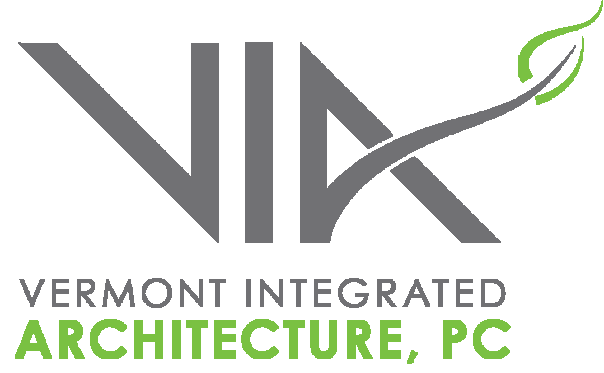
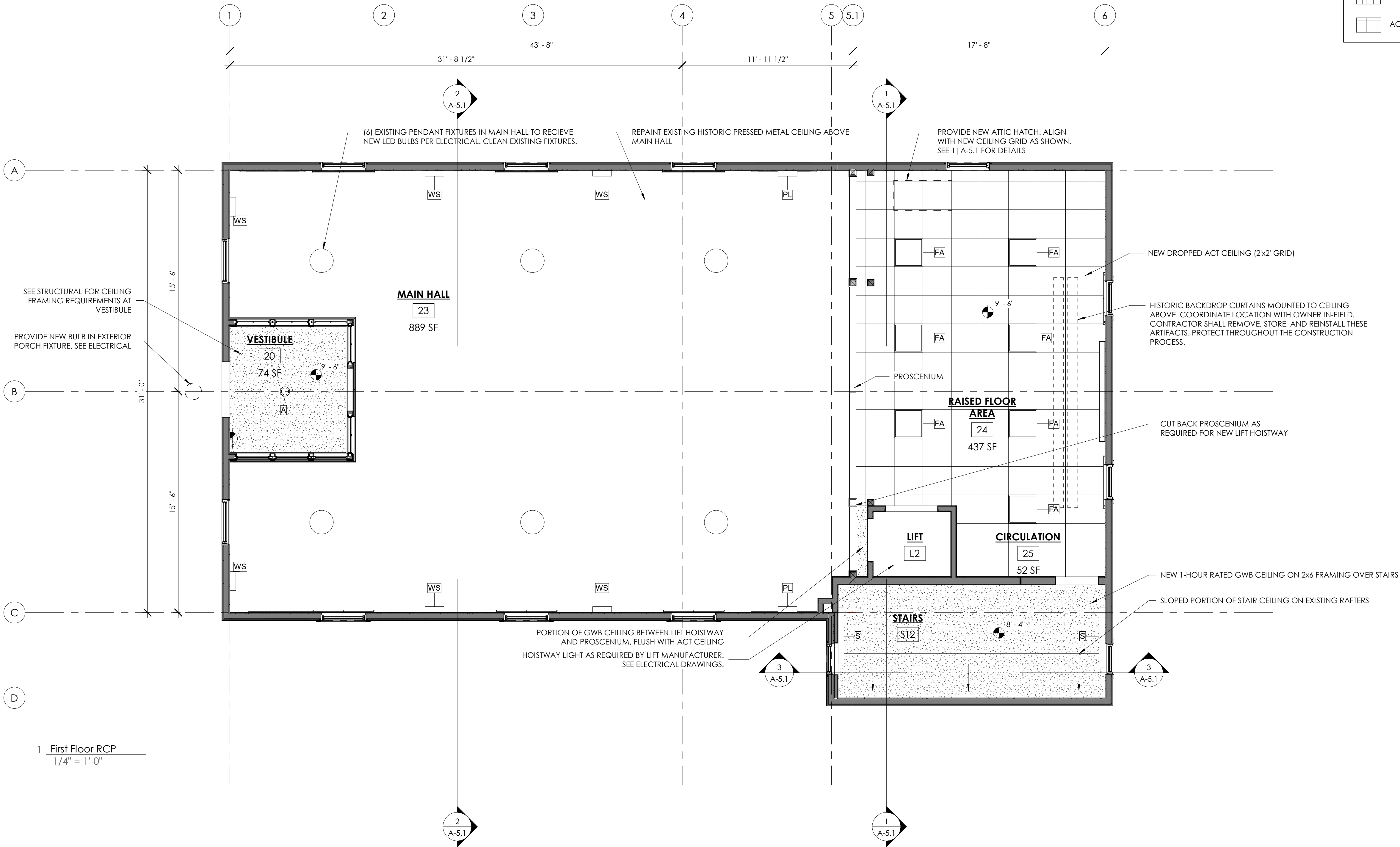


FLOOR PLAN LEGEND

- | | |
|--|--|
| | EXISTING WALL |
| | NEW WALL/NEW WALL INFILL |
| | 60 MIN. RATED CONSTRUCTION |
| | NORTH WALL EXTERIOR ENVELOPE WORK (ADD 2" RIGID W/ IGNITION BARRIER) |
| | EAST WALL EXTERIOR ENVELOPE WORK (ADD DP CELLULOSE, VCL, & GWB (PTD)) |
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| | SOUTH WALL EXTERIOR ENVELOPE WORK DETAIL 5 A-6.1 |
| | STAIR WALLS EXTERIOR ENVELOPE WORK DETAIL 1 A-6.1 |
| | APPROX. GRADE ELEVATIONS PER CIVIL (SEE CIVIL DWGS FOR PRECISE GRADING, SHOWN HERE FOR REFERENCE ONLY) |

CEILING TYPES

- | | |
|--|-------------------------|
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| | BEADBOARD CEILING, PTD. |
| | ACT CEILING (2'x2') |



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TOWN HALL

1147 Route 100B,
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MAIN LEVEL RCP

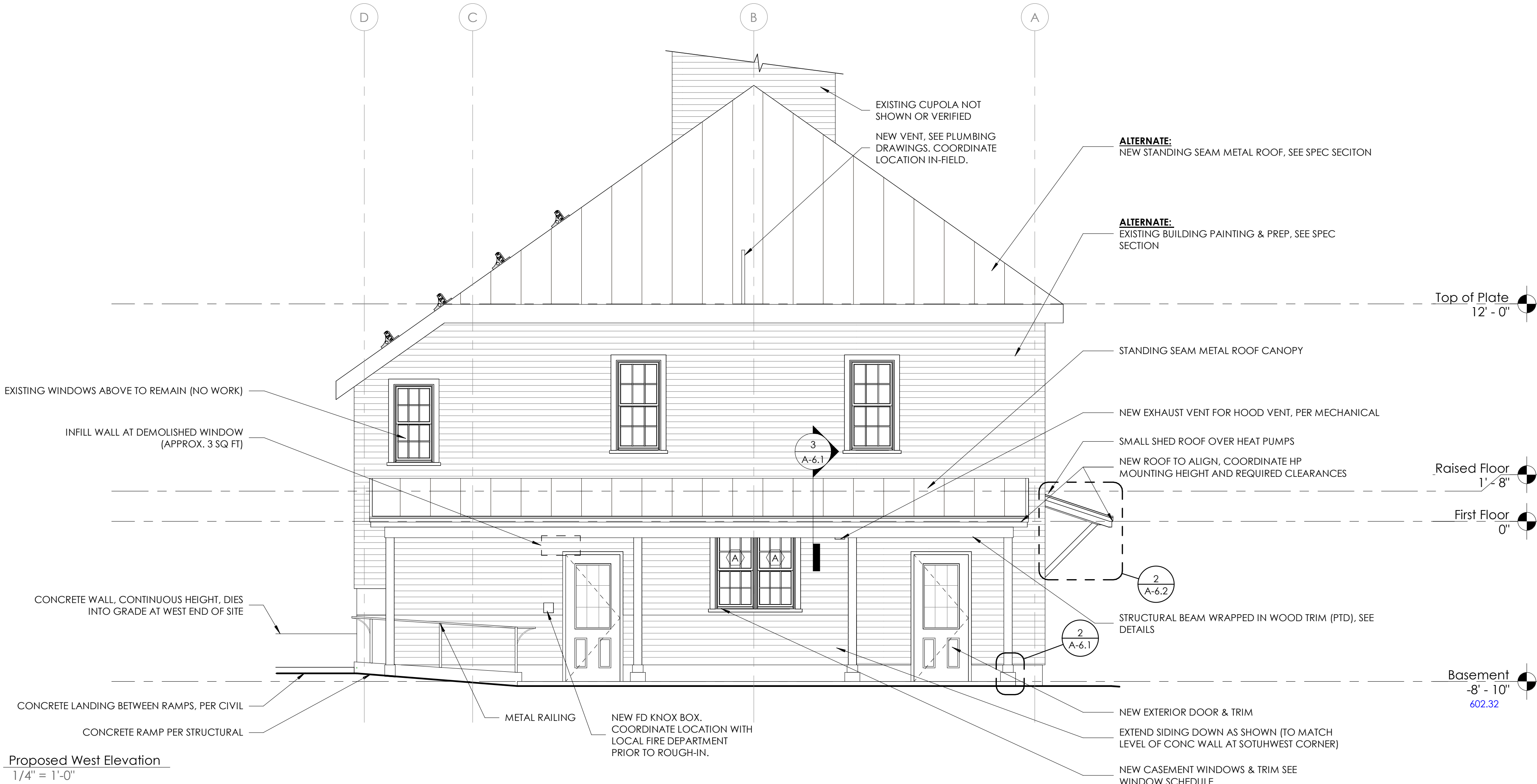
A-3.2

GENERAL NOTES

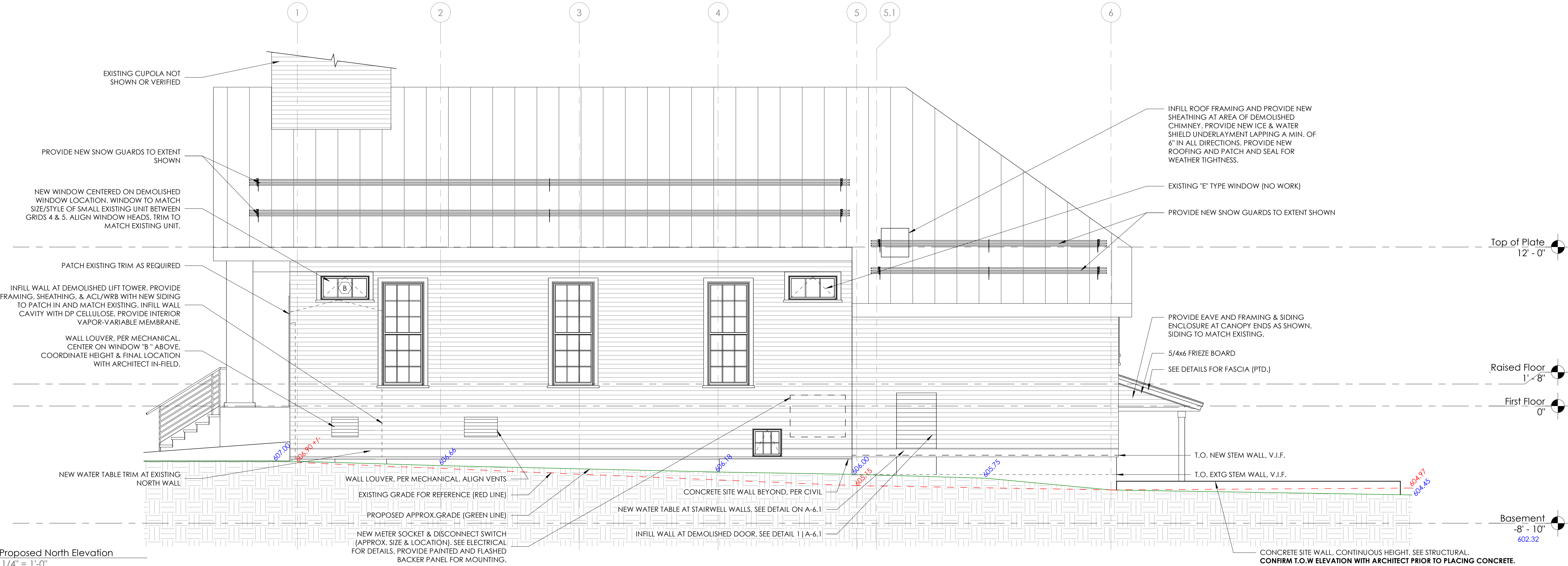
1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO CONSTRUCTION OR INSTALLATION. NOTIFY THE ARCHITECT IF DISCREPANCIES ARE FOUND.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.

ELEVATION NOTES:

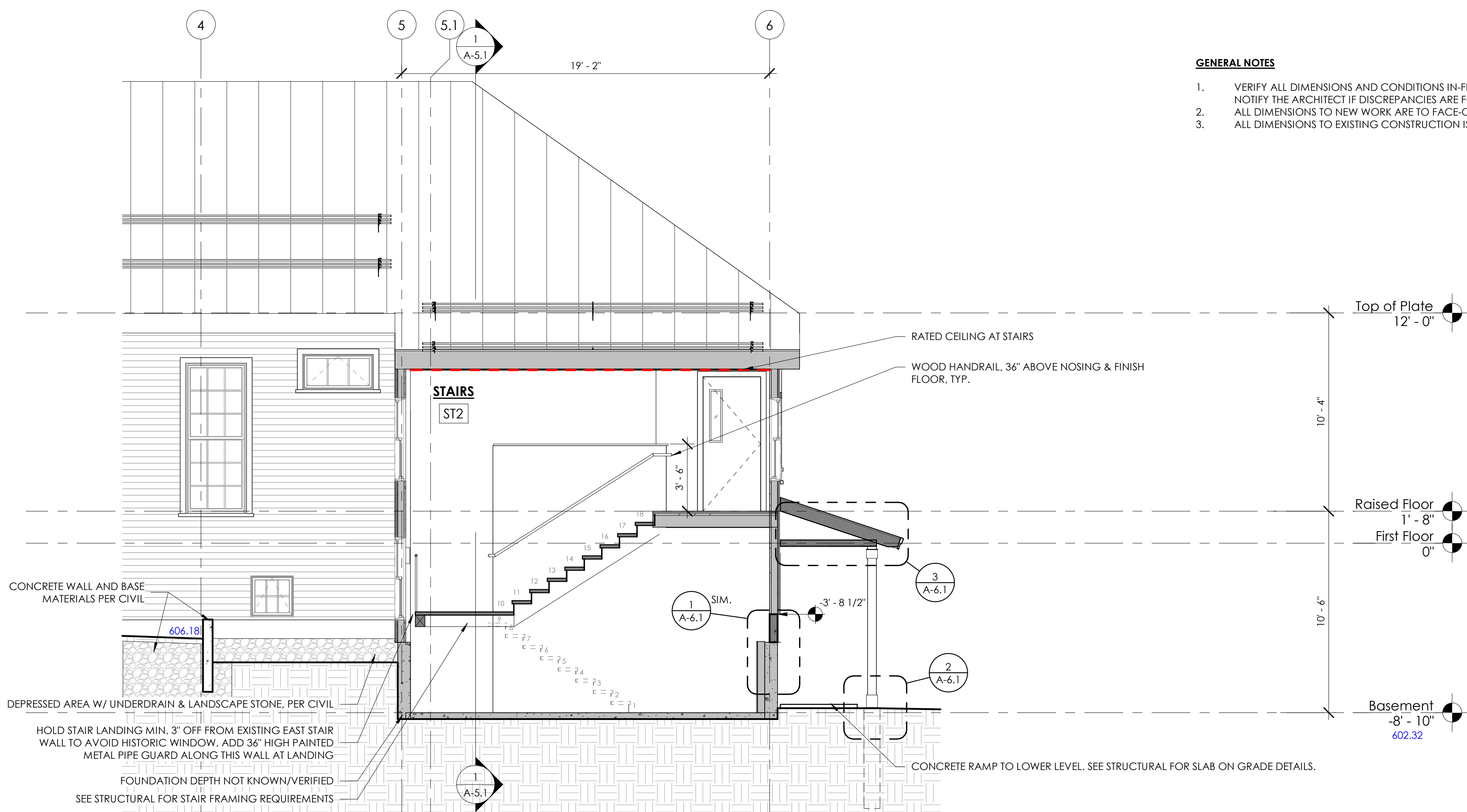
1. EXISTING ARCHITECTURAL TRIM & HISTORIC DETAILING IS NOT FULLY DEPICTED IN THESE ELEVATIONS, AND IS INTENDED AS EXISTING TO REMAIN.
2. BLUE TEXT DEPICTS APPROX. REFERENCE GRADE ELEVATIONS. SEE CIVIL.
3. PROVIDE TRIM BLOCKS WITH AIR-SEALING AND FLASHING AT ALL EXTERIOR MOUNTED DEVICES, PENETRATING SERVICES, TYP. (I.E. HOSE BIB, OUTLETS, LIGHTING, FIRE CONNECTION, SIGNAGE, KNOX BOX, ETC.)



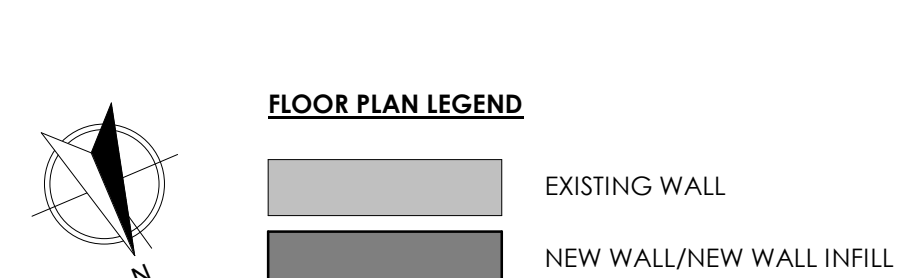
2 Proposed West Elevation
1/4" = 1'-0"



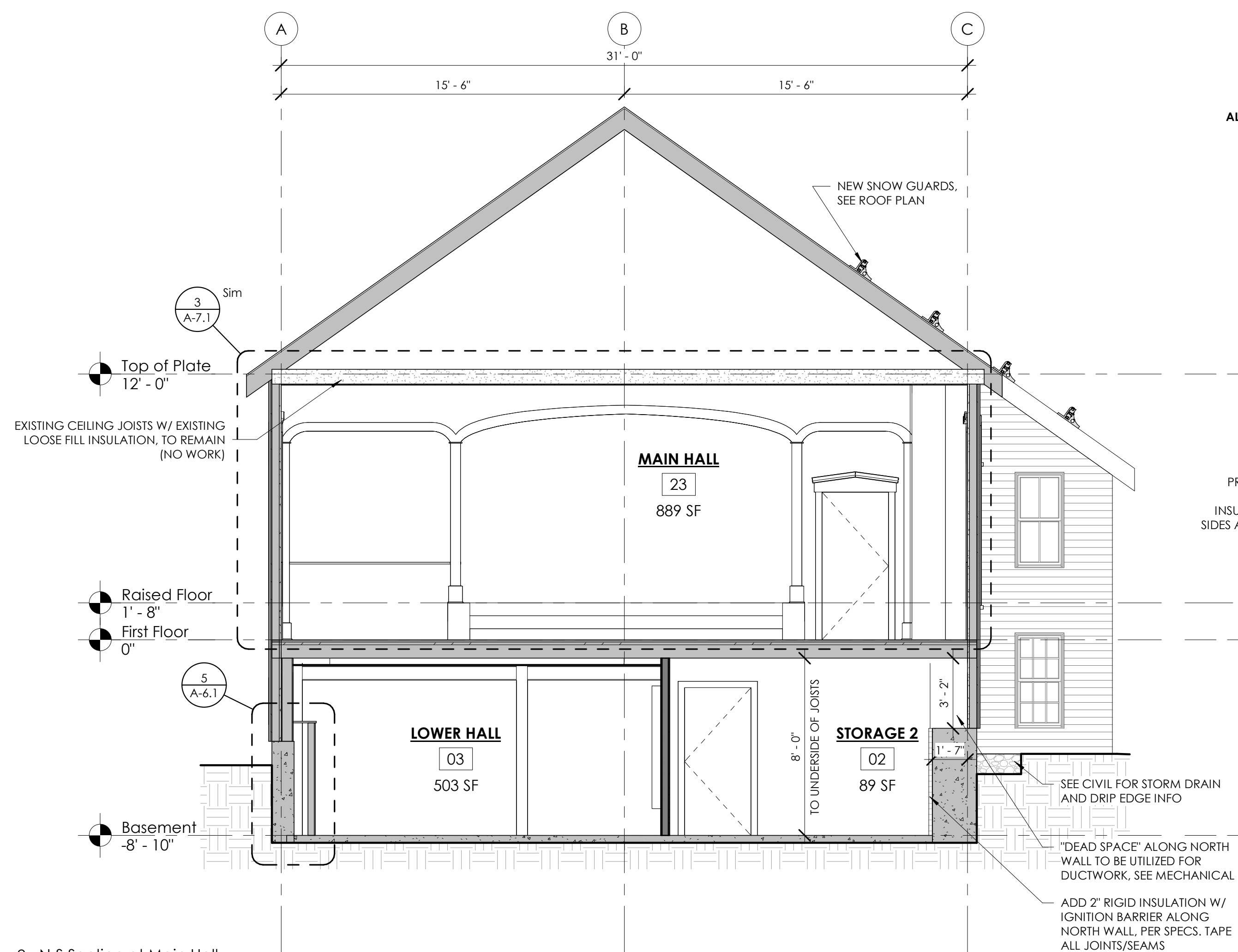
1 Proposed North Elevation
1/4" = 1'-0"



- GENERAL NOTES**
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 2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N
 3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.



3 E-W Section at Stairs Looking South
1/4" = 1'-0"



2 N-S Section at Main Hall
1/4" = 1'-0"

ALTERNATE: NEW REINFORCING AT EXISTING ROOF FRAMING, SEE STRUCTURAL

EXISTING 5x8 CEILING JOISTS W/ LOOSE FILL INSULATION, TO REMAIN

PROVIDE NEW ATTIC HATCH, BACKSIDE OF HATCH TO HAVE (1) LAYER OF 3" RIGID INSULATION, PROVIDE WEATHER STRIP AT ALL SIDES AND POSITIVE LATCH FOR AIR-TIGHTNESS.

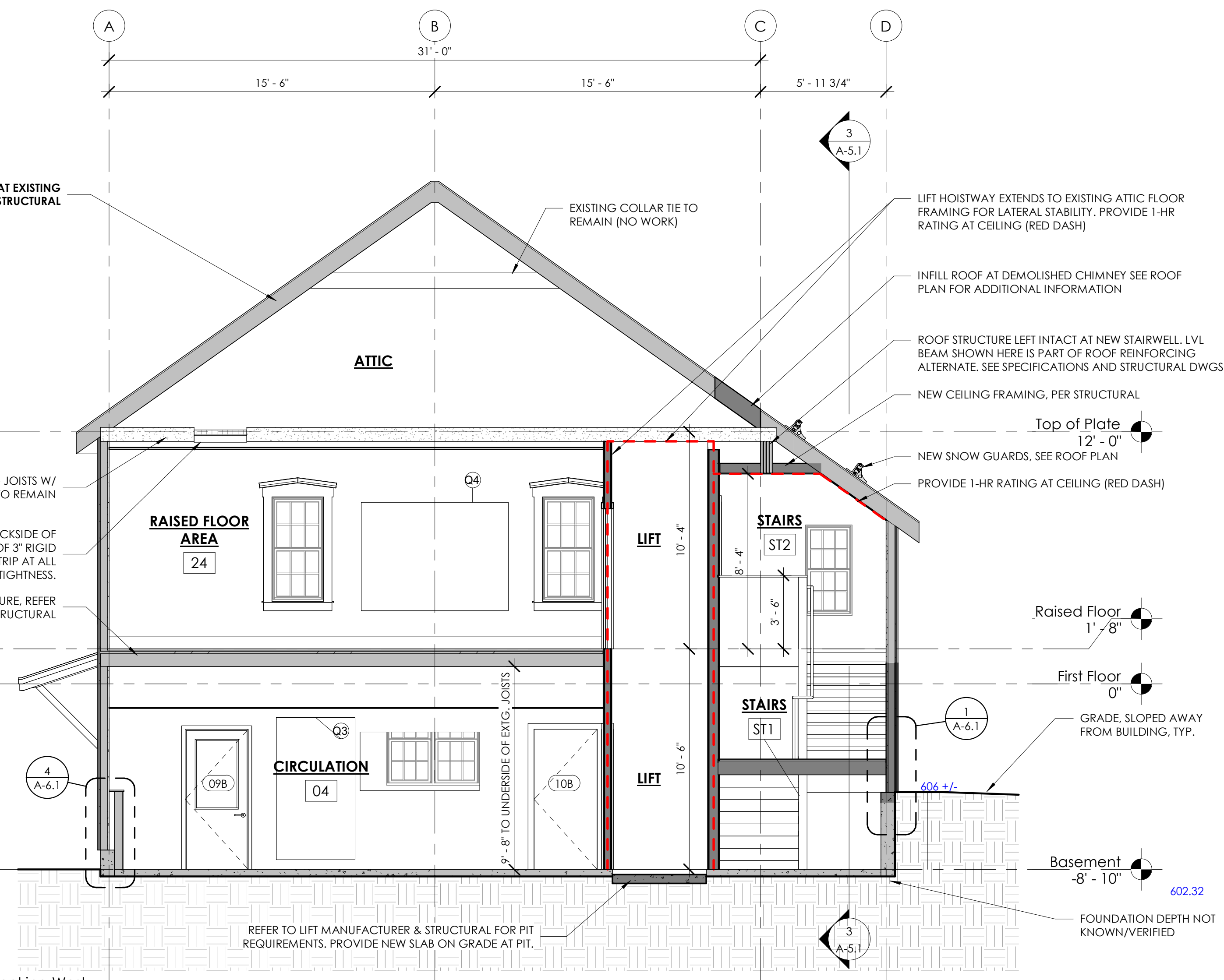
EXISTING FLOOR STRUCTURE, REFER TO STRUCTURAL

SEE CIVIL FOR STORM DRAIN AND DRIP EDGE INFO

"DEAD SPACE" ALONG NORTH WALL TO BE UTILIZED FOR DUCTWORK, SEE MECHANICAL

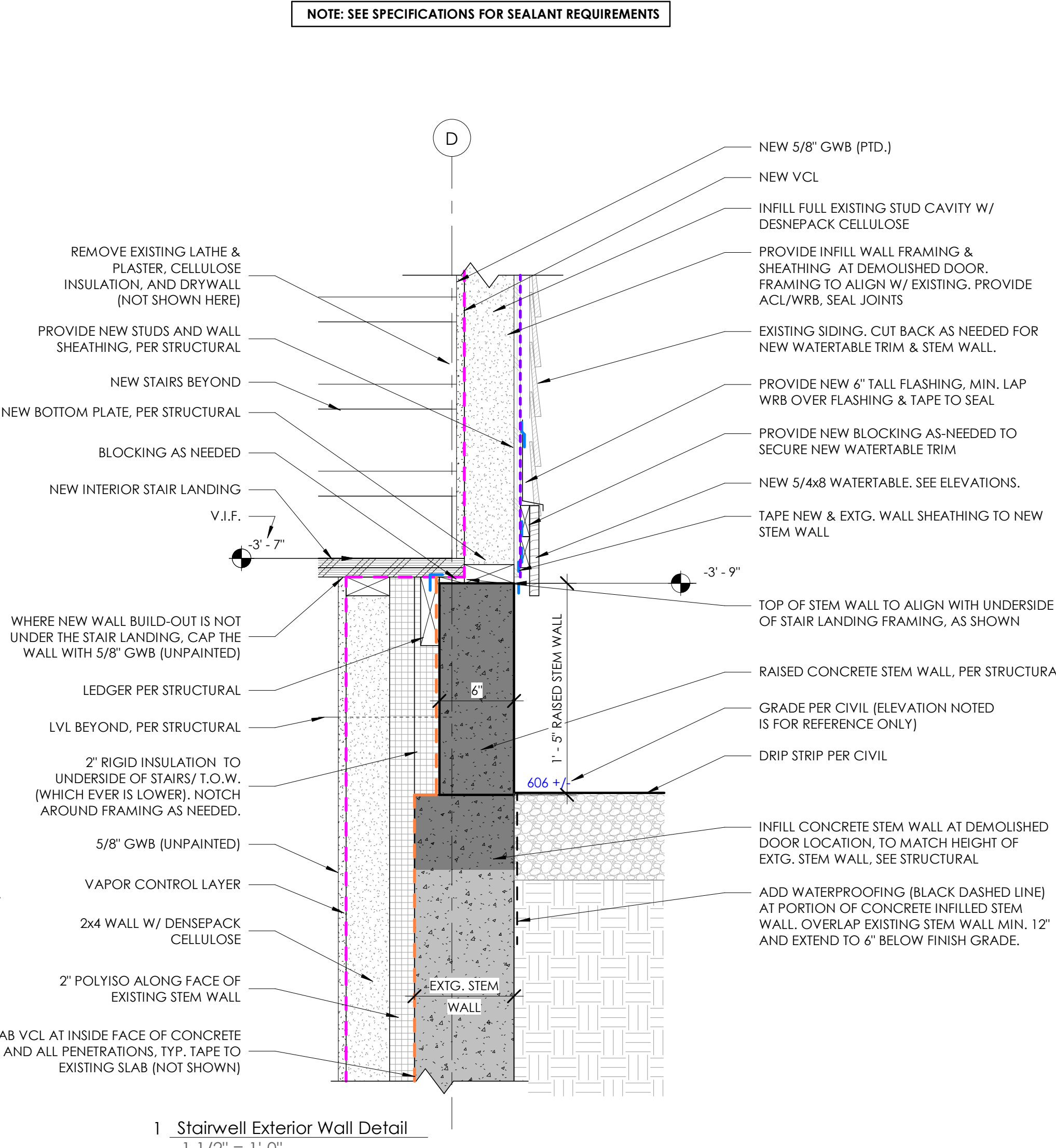
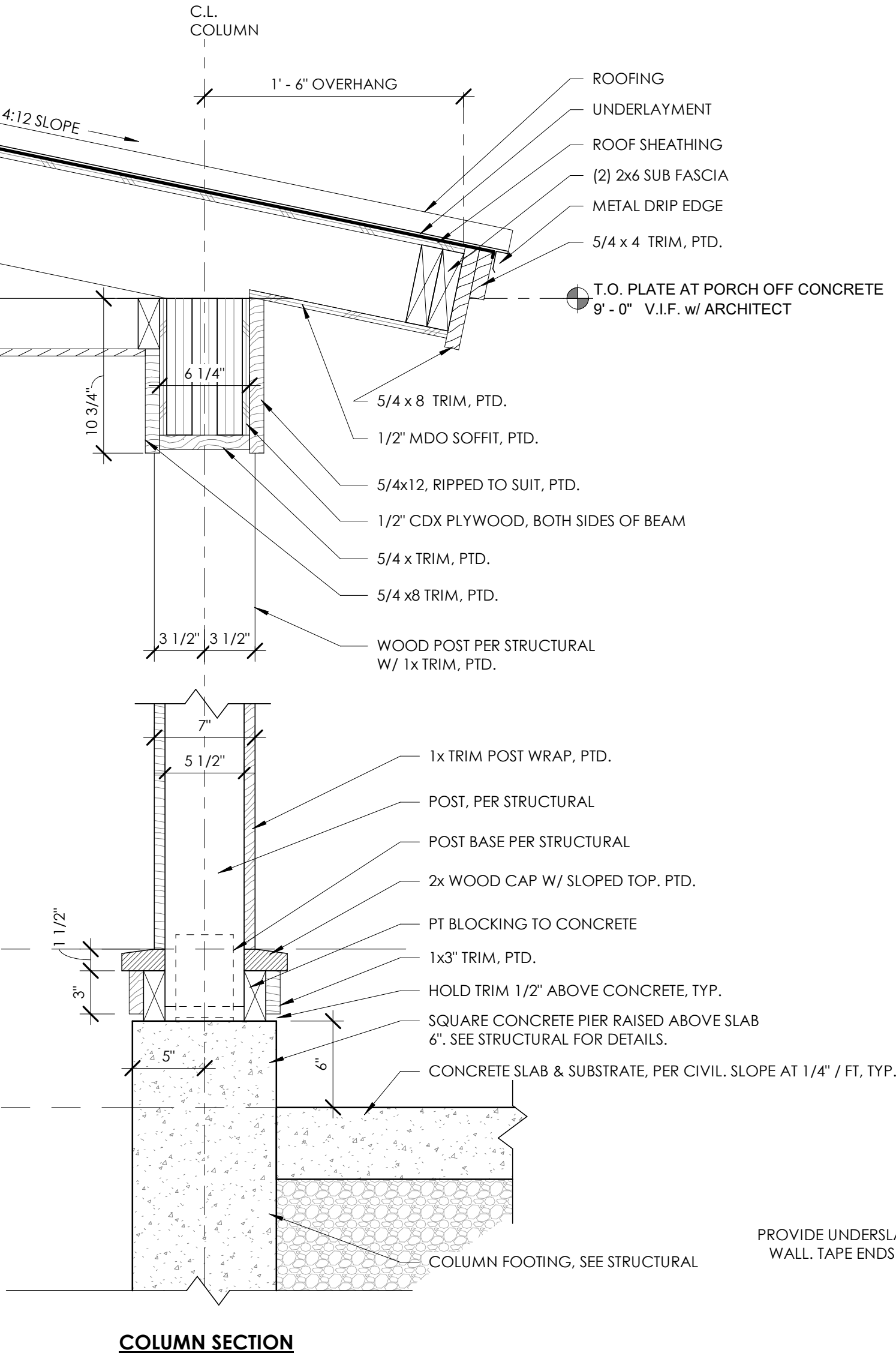
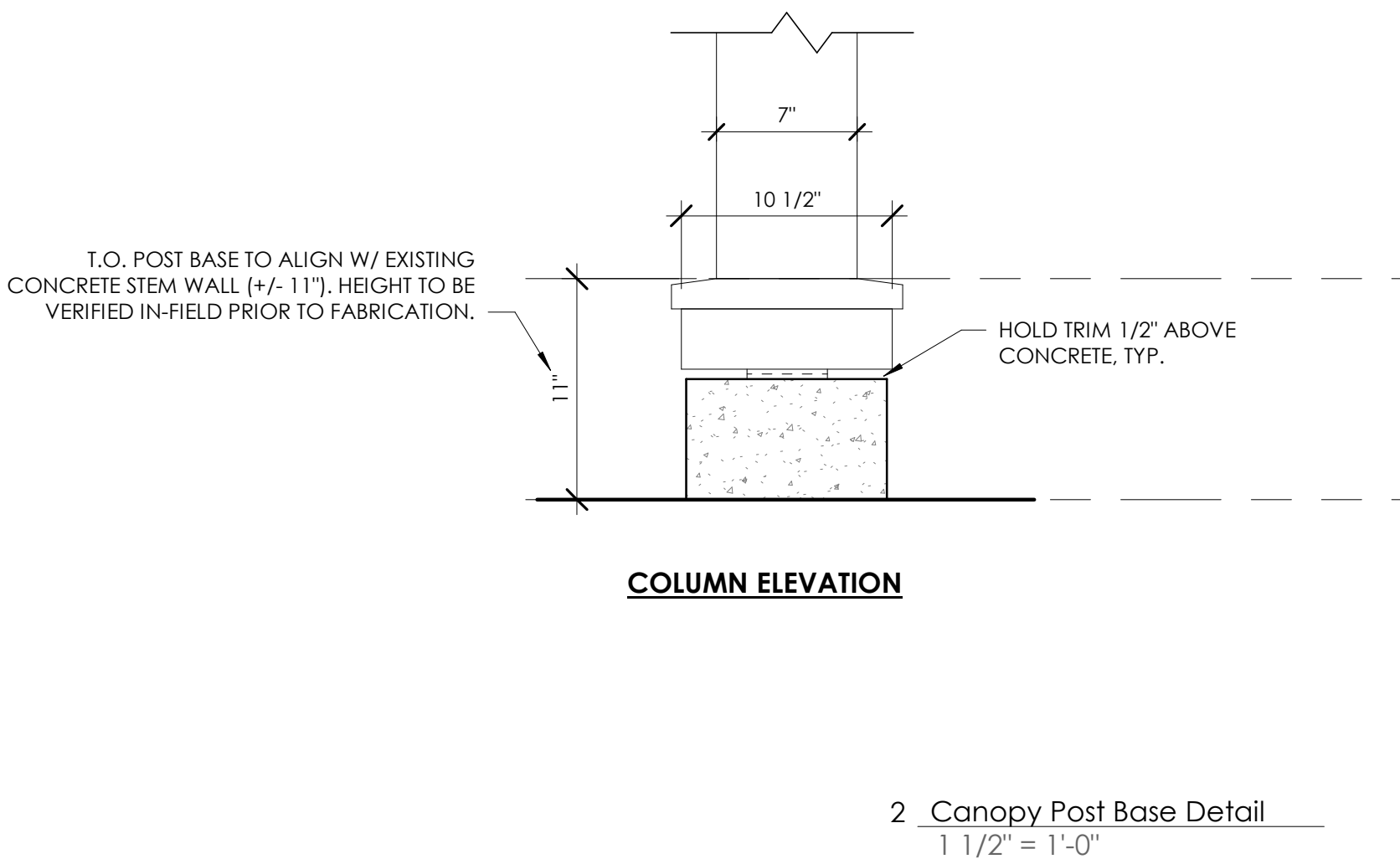
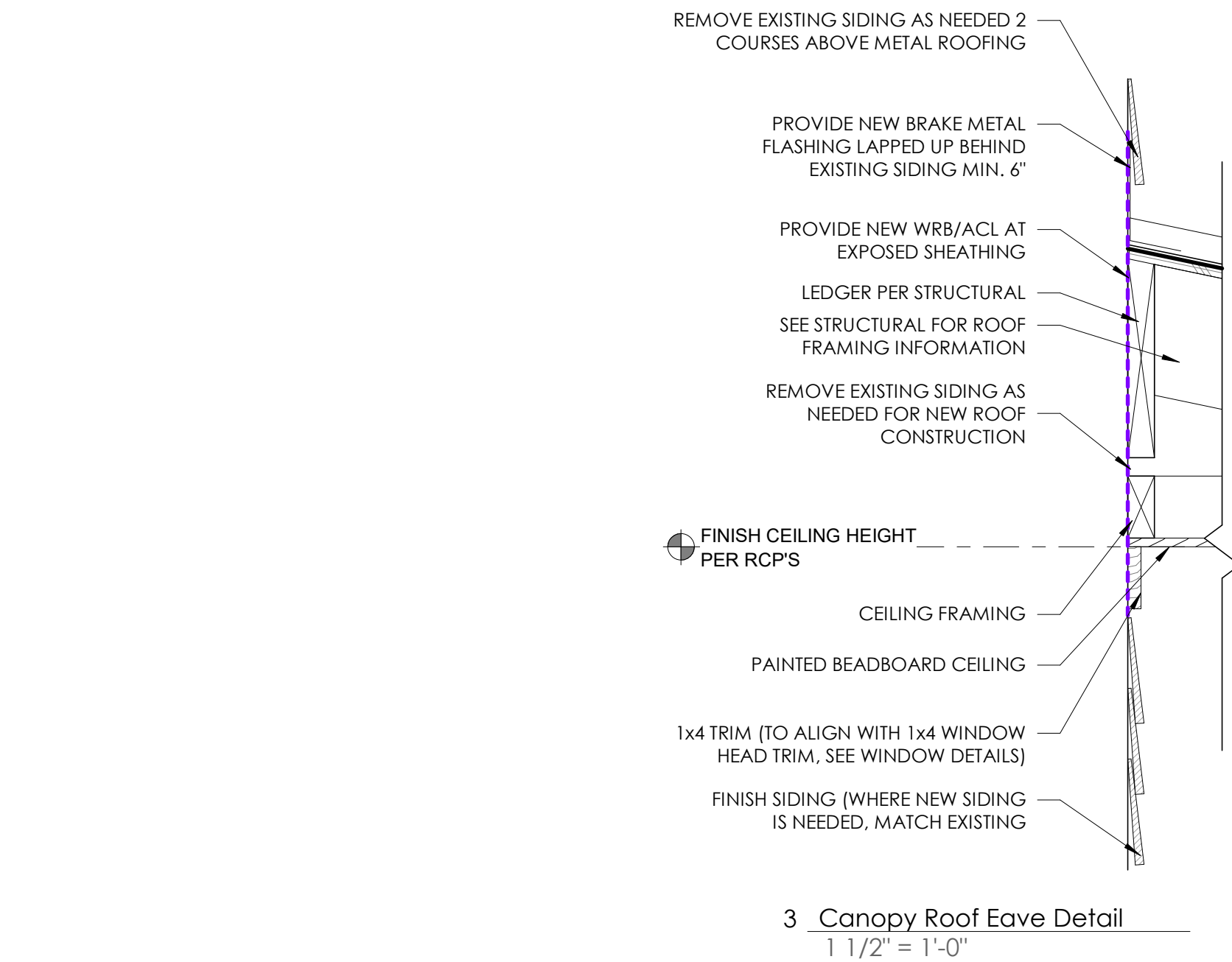
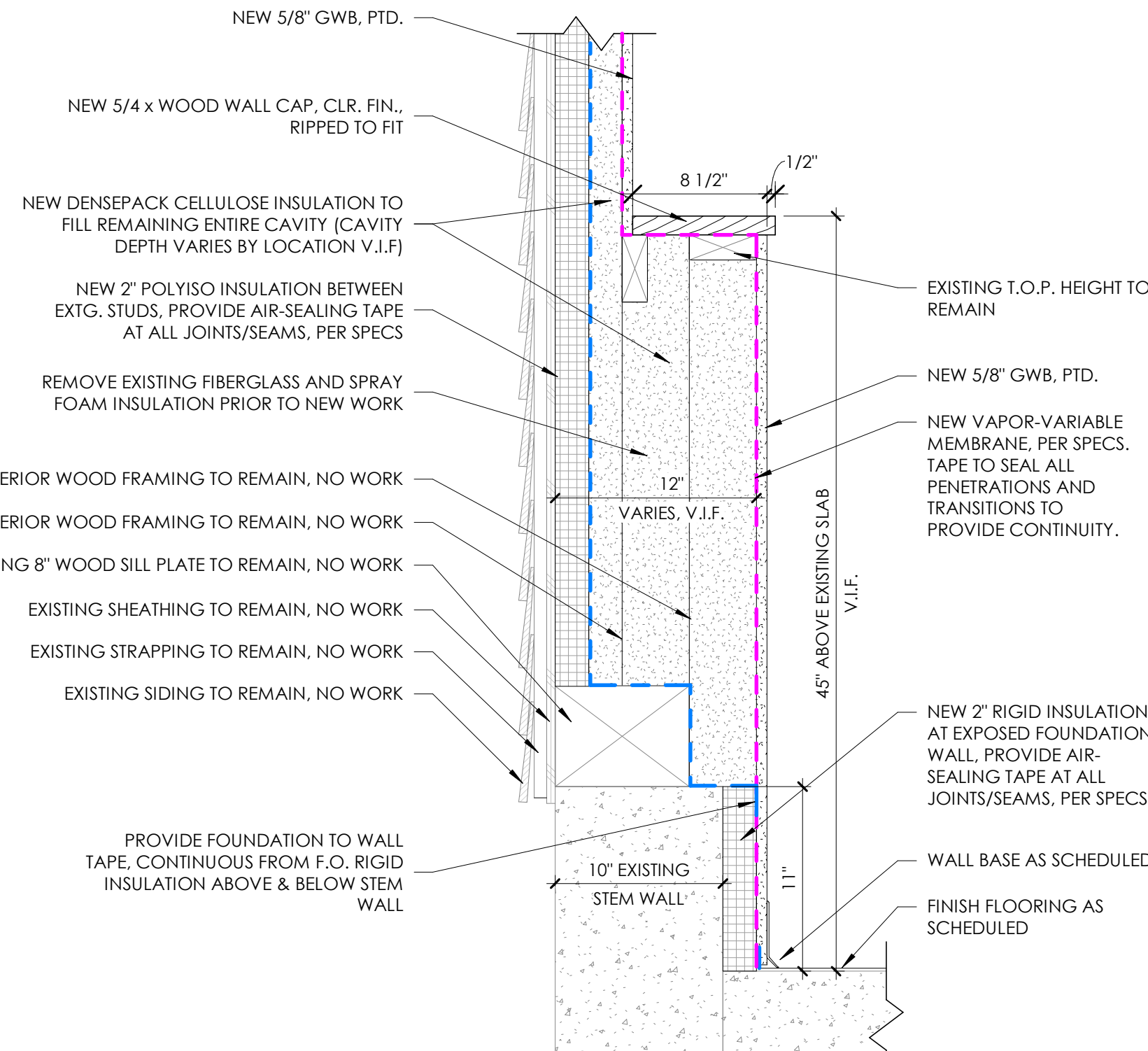
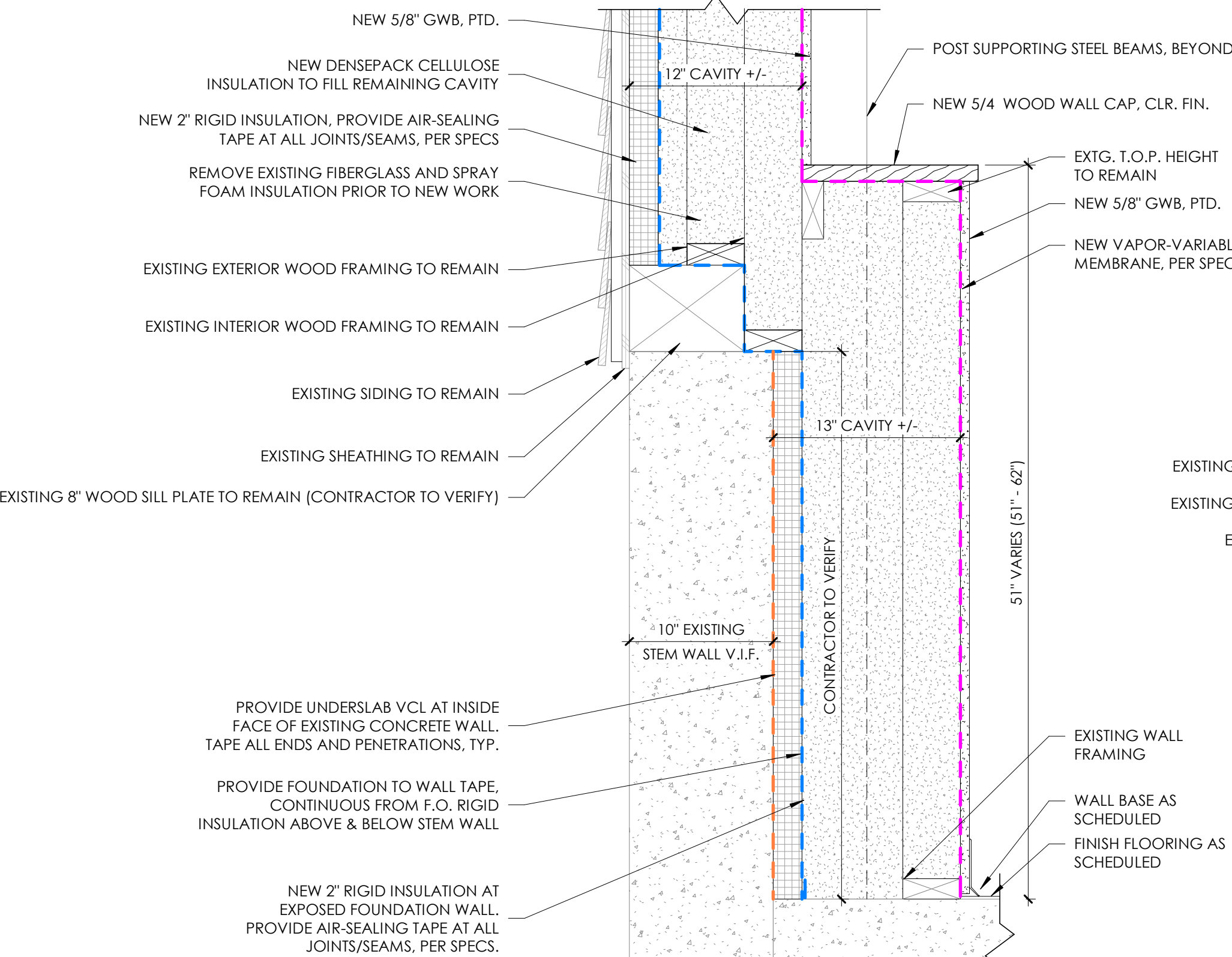
ADD 2" RIGID INSULATION W/ IGNITION BARRIER ALONG NORTH WALL, PER SPECS. TAPE ALL JOINTS/SEAMS

1 N-S Section at Lift looking West
1/4" = 1'-0"

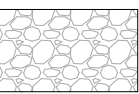
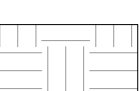
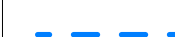
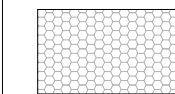
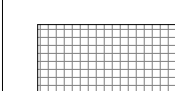
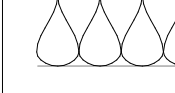


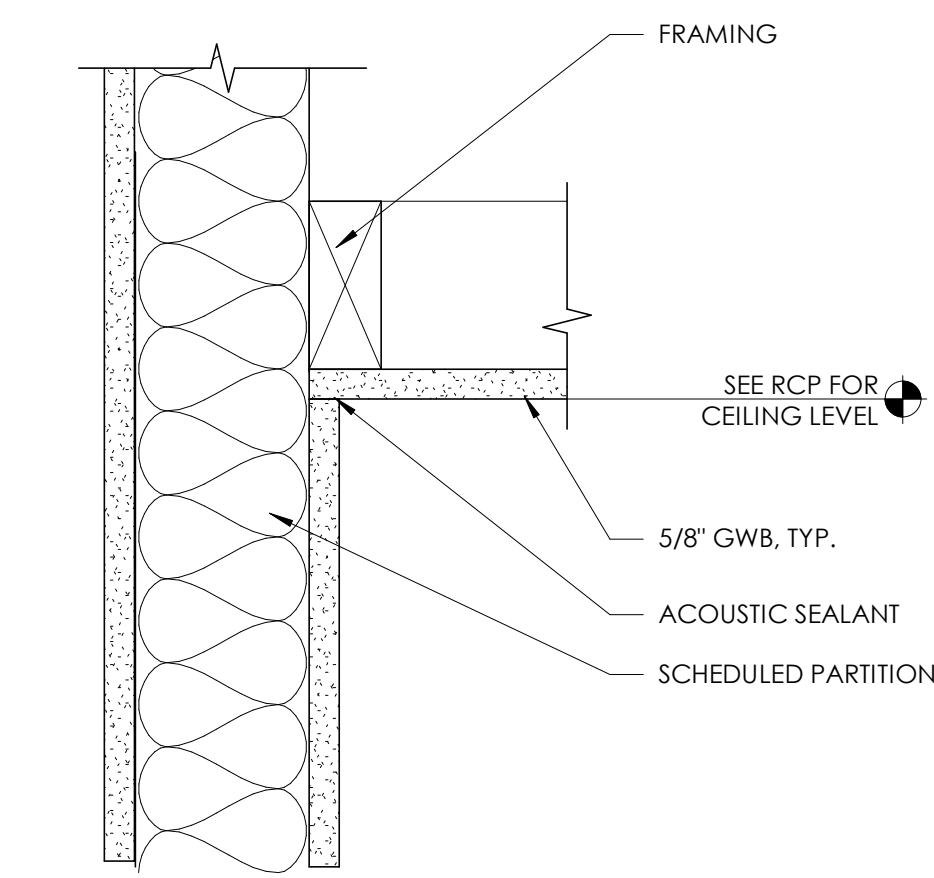
SECTION DETAILS AND MATERIALS LEGEND

WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE	
VAPOR CONTROL LAYER (VCL)	
AIR CONTROL LAYER (ACL)	
UNDER SLAB VAPOR CONTROL LAYER	
TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS	
CLOSED CELL SPRAY FOAM INSULATION	STONE FILL
RIGID FOAM INSULATION	EARTH
FILL INSULATION	CONCRETE
RIGID MINERAL WOOL INSULATION	WOOD FINISH GRADE
BATT INSULATION	DIMENSIONAL LUMBER
PLYWOOD	BLOCKING

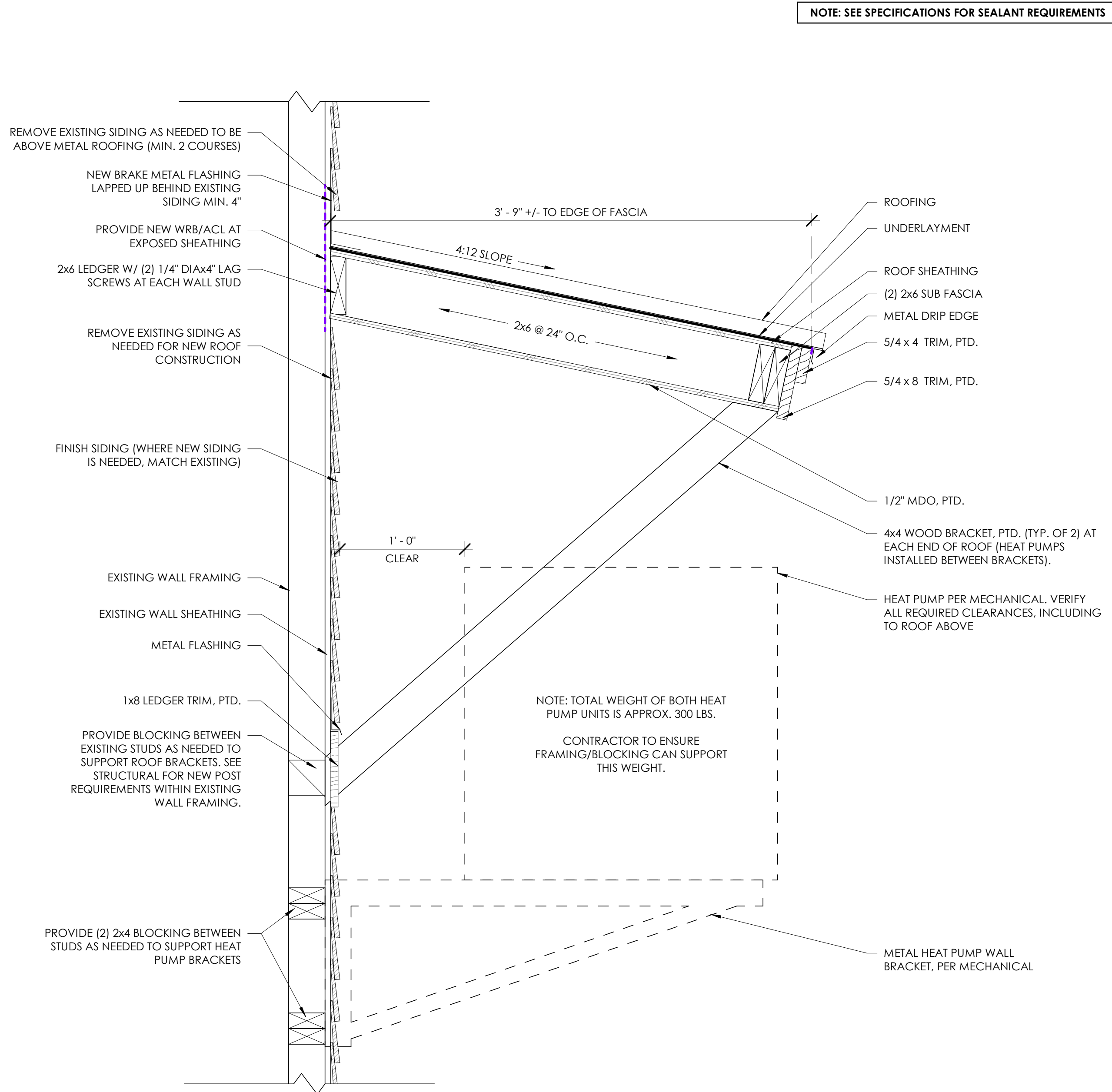


SECTION DETAILS AND MATERIALS LEGEND

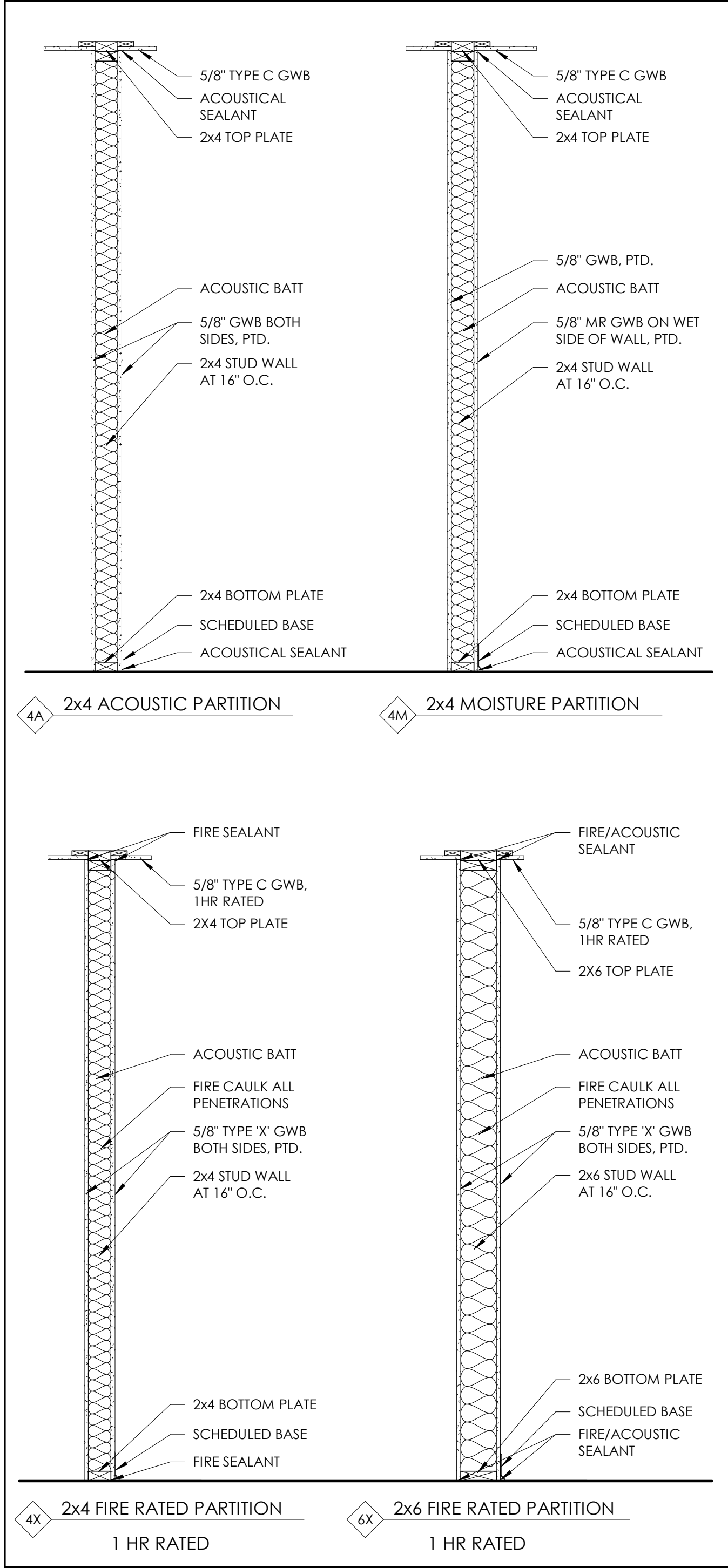
	WEATHER RESISTIVE BARRIER (WRB)/ DRAINAGE PLANE		STONE FILL
	VAPOR CONTROL LAYER (VCL)		EARTH
	AIR CONTROL LAYER (ACL)		CONCRETE
	UNDER SLAB VAPOR CONTROL LAYER		WOOD FINISH GRADE
	TAPE OR SELF ADHERING WATERPROOFING MEMBRANE (SAWM) AT EDGES/ JOINTS/ INTERSECTIONS		DIMENSIONAL LUMBER
	CLOSED CELL SPRAY FOAM INSULATION		BLOCKING
	RIGID FOAM INSULATION		
	FILL INSULATION		
	RIGID MINERAL WOOL INSULATION		
	BATT INSULATION		
	PLYWOOD		



1 Typ. GWB Ceiling at Wall Detail
3" = 1'-0"



2 Heat Pump Canopy Roof Detail
1 1/2" = 1'-0"



Interior Partition Types
3/4" = 1'-0"

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DATE ISSUED: 02/21/25
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FOR CONSTRUCTION

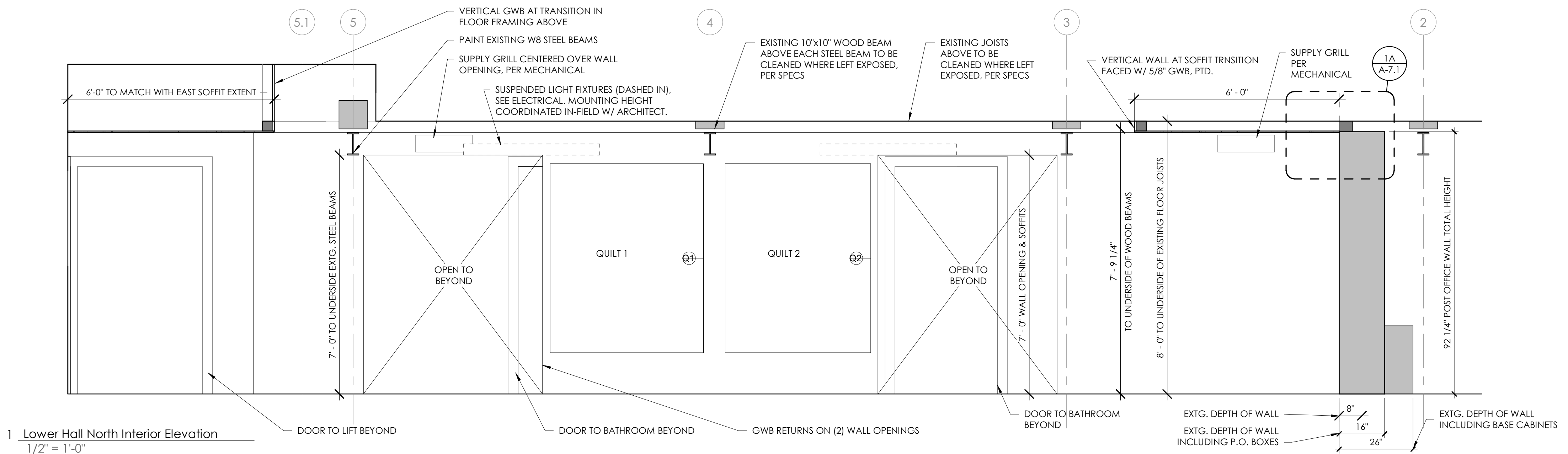
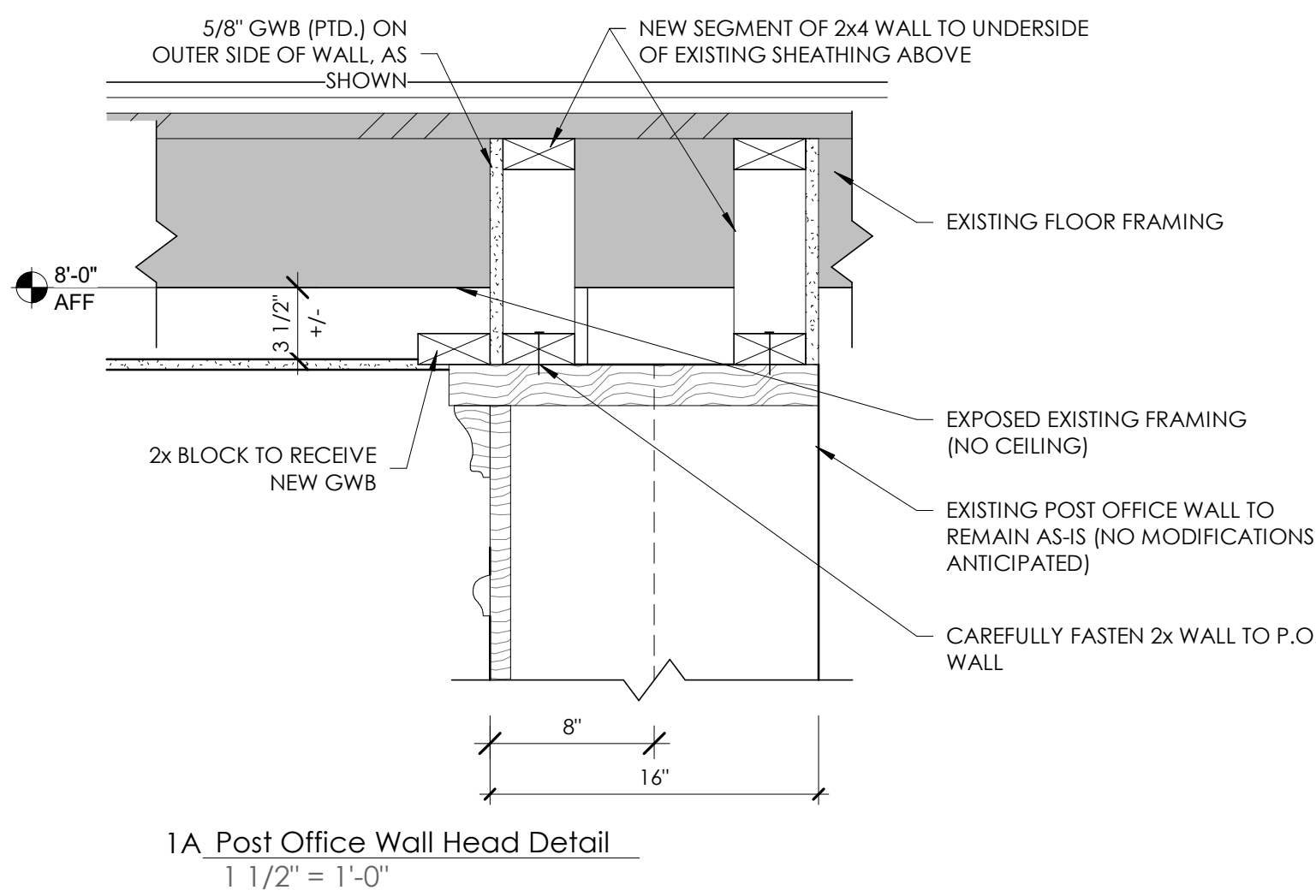
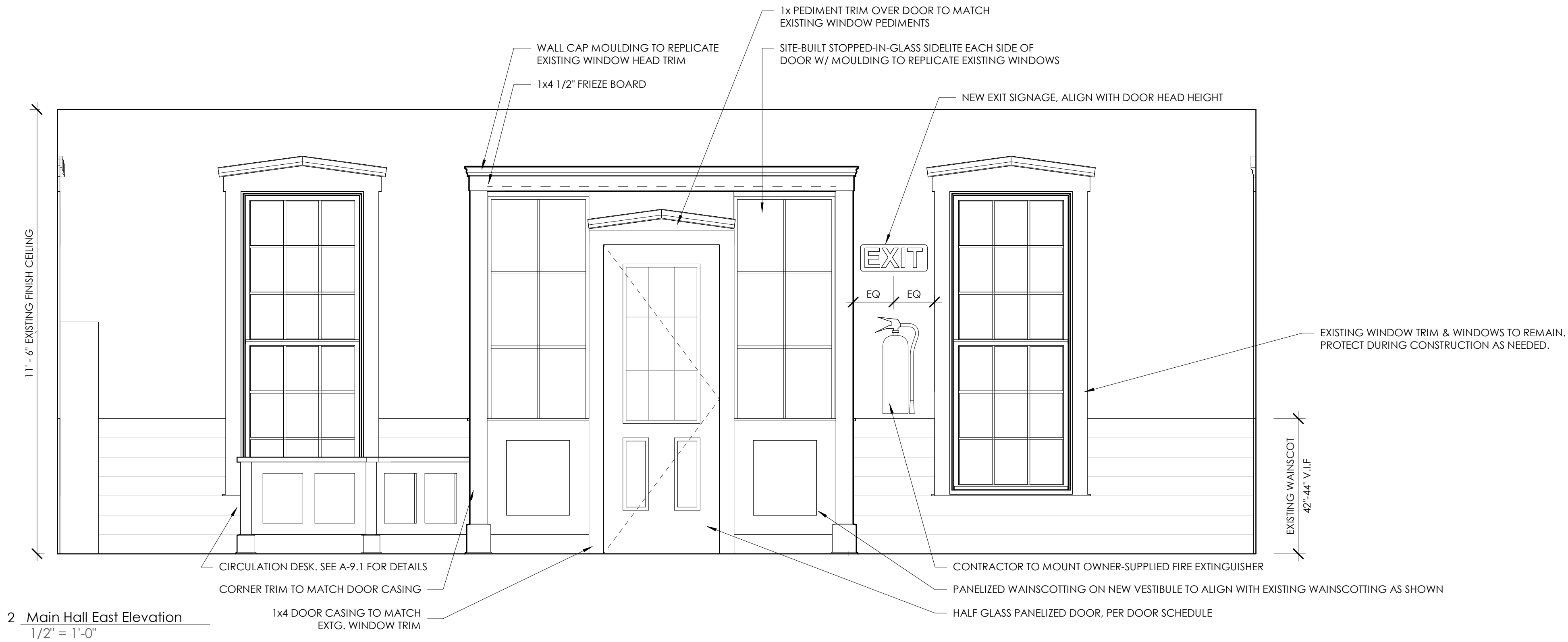
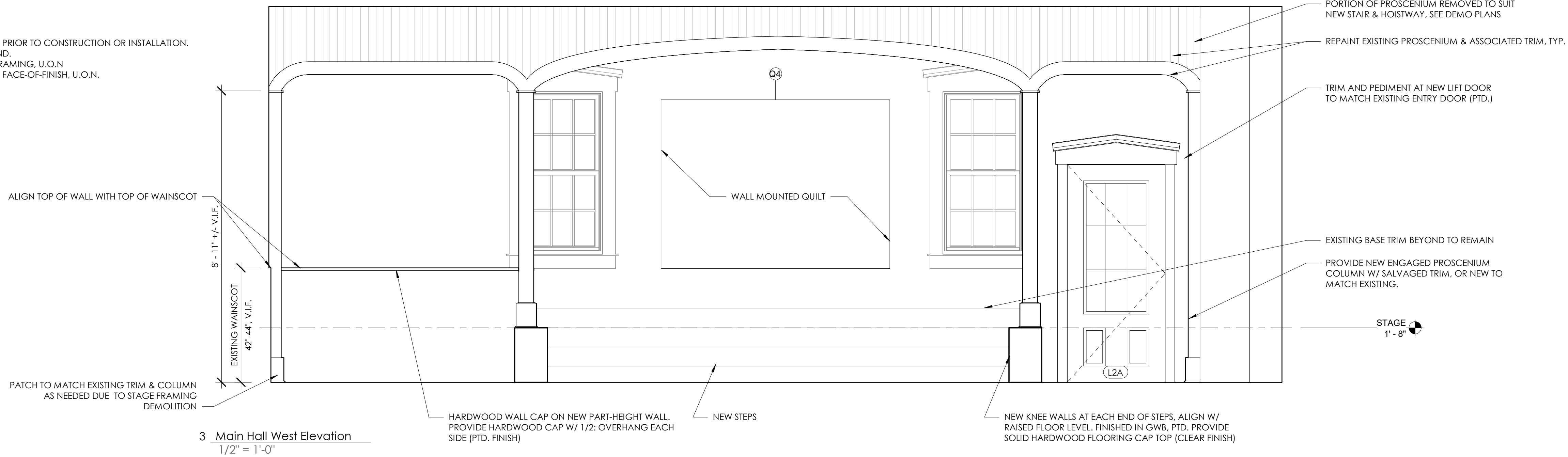
MORETOWN
TOWN HALL
1147 Route 100B,
Moretown, VT 05660

DETAILS &
PARTITION TYPES

A-6.2

GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO CONSTRUCTION OR INSTALLATION. NOTIFY THE ARCHITECT IF DISCREPANCIES ARE FOUND.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N.
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.



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**MORETOWN
TOWN HALL**

1147 Route 100B,
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**MAIN & LOWER
HALL ELEVATIONS**

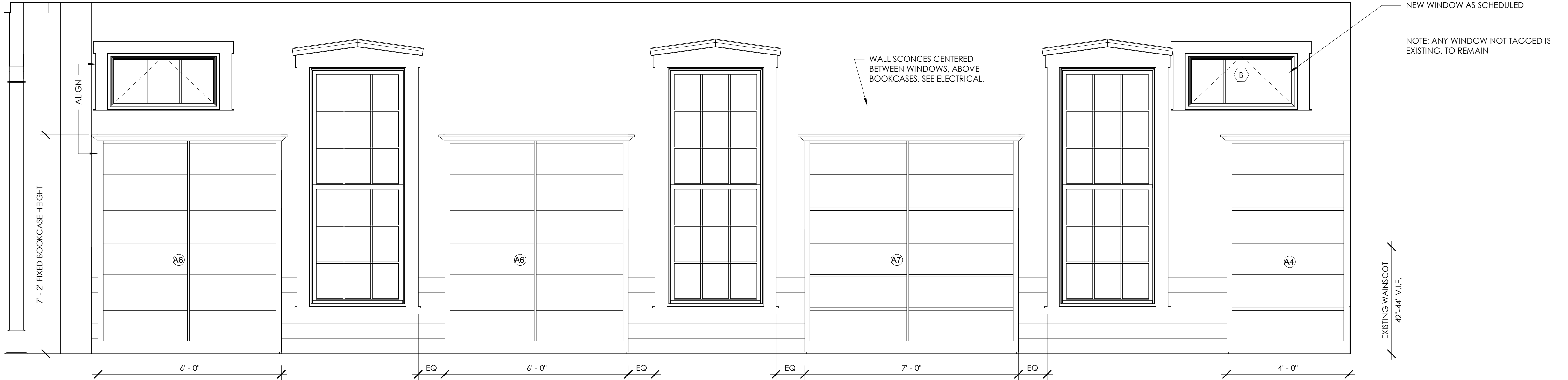
A-7.1

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3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.

LIBRARY SHELVING NOTES:

1. SEE A2.2 FOR SHELVING TYPE AND LOCATIONS.
2. SEE A-9.1 FOR SHELVING DETAILS.
3. **CONTRACTOR TO PROVIDE & INSTALL FIXED SHELVING UNITS.**
A. **ROLLER UNITS TO BE SUPPLIED AND LAID OUT BY OWNER. LAYOUT SHOWN IS FOR REFERENCE ONLY. SHELVING SCHEDULE SHOWN IS FOR LINEAR FOOTAGE CALCULATIONS ONLY, FOR THE LIBRARY'S REFERENCE. CONTRACTOR TO REFER TO MILLWORK DRAWINGS FOR SIZES OF UNITS TO BE CONSTRUCTED. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF SHELVING UNITS FOR OWNER + ARCHITECT REVIEW, PRIOR TO FABRICATION OF ANY UNITS.**
4. SEE SPECIFICATIONS FOR ROLLER SHADE BASIS OF DESIGN PRODUCT.
5. THERE IS NO WORK FOR THE CONTRACTOR REGARDING EXISTING SHELVING. THESE UNITS WILL BE MOVED INTO OR OUT OF THE BUILDING BY THE OWNER.
6. ALL NEW UNITS TO BE FINISH GRADE MAPLE PLYWOOD, CLEAR FINISH, PER SPECS.
7. NOTE SHELVING UNIT "A4" IS NOT SHOWN IN THE SCHEDULE. AS IT DOES NOT CONTRIBUTE TO USABLE SHELVING SPACE FOR PATRONS, IT IS HOWEVER WITHIN THE SCOPE-OF-WORK.
8. SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION ON LIBRARY SHELVING.



2 Main Hall North Elevation
1/2" = 1'-0"

PLEASE NOTE SHELVING UNITS SHOWN ARE DIAGRAMMATIC. DETAILED ELEVATIONS & SECTIONS CAN BE SEEN ON SHEET A-9.1



1 Main Hall South Elevation
1/2" = 1'-0"

PLEASE NOTE SHELVING UNITS SHOWN ARE DIAGRAMMATIC. DETAILED ELEVATIONS & SECTIONS CAN BE SEEN ON SHEET A-9.1

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MORETOWN
TOWN HALL
1147 Route 100B,
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MAIN HALL
ELEVATIONS

A-7.2



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STRUCTURAL ENGINEER

MECHANICAL/PLUMBING ENGINEER

ELECTRICAL ENGINEER

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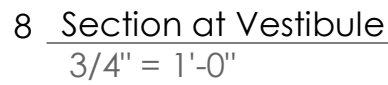
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1147 Route 100B,
Moretown, VT 05660

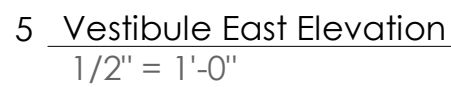
ENLARGED VESTIBULE DRAWINGS

A-7.3



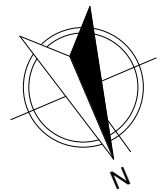
- ### GENERAL NOTES

1. VERIFY ALL DIMENSIONS AND CONDITIONS IN-FIELD PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ALL DISCREPANCIES.
2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAME, U.O.N
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.
4. SEE ENLARGED STAIR & LIFT DWGS. FOR ALLOCATED DIMENSIONS.
5. SEE CIVIL DRAWINGS FOR UTILITIES, SITE ELEMENTS, AND ON-SITE CONCRETE INFO & DETAILS.
6. SEE CIVIL DRAWINGS FOR NEW FOUNDATION DRAINAGE AND GRAVEL DRIP STRIPS.
7. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND FRAMING INFORMATION & DETAILS, AS WELL AS CONCRETE INFO & DETAILS.
8. EXISTING QUILTS, TAGGED AS "Q1, Q2, Q3, & Q4, SUPPLIED BY OWNER, MOUNTED BY CONTRACTOR
9. ALL KITCHEN APPLIANCES SHOWN BY OWNER SHALL BE INSTALLED BY CONTRACTOR.
10. ALL FURNITURE IS BY OWNER, AND IS FOR REFERENCE ONLY.
11. PROVIDE BLOCKING FOR ALL WALL-MOUNTED CASEWORK, EQUIPMENT, AND ACCESSORIES, INCLUDING OWNER SUPPLIED ITEMS.
12. SEE ALTERNATES SPECIFICATION SECTION FOR ADDITIONAL SCOPES & WORK.



NOTE: SHOP DRAWINGS ARE REQUIRED FOR VESTIBULE PANELING & WINDOWS, FOR REVIEW BY THE ARCHITECT, PRIOR TO CONSTRUCTION





FLOOR PLAN LEGEND	
	EXISTING WALL
	NEW WALL/NEW WALL INFILL



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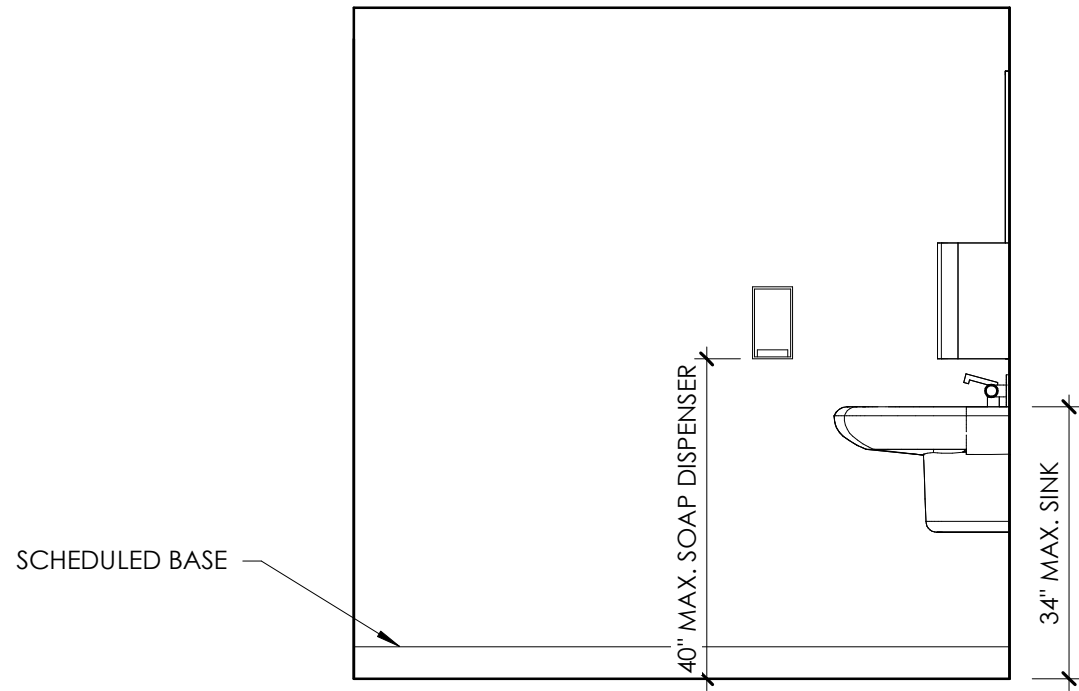
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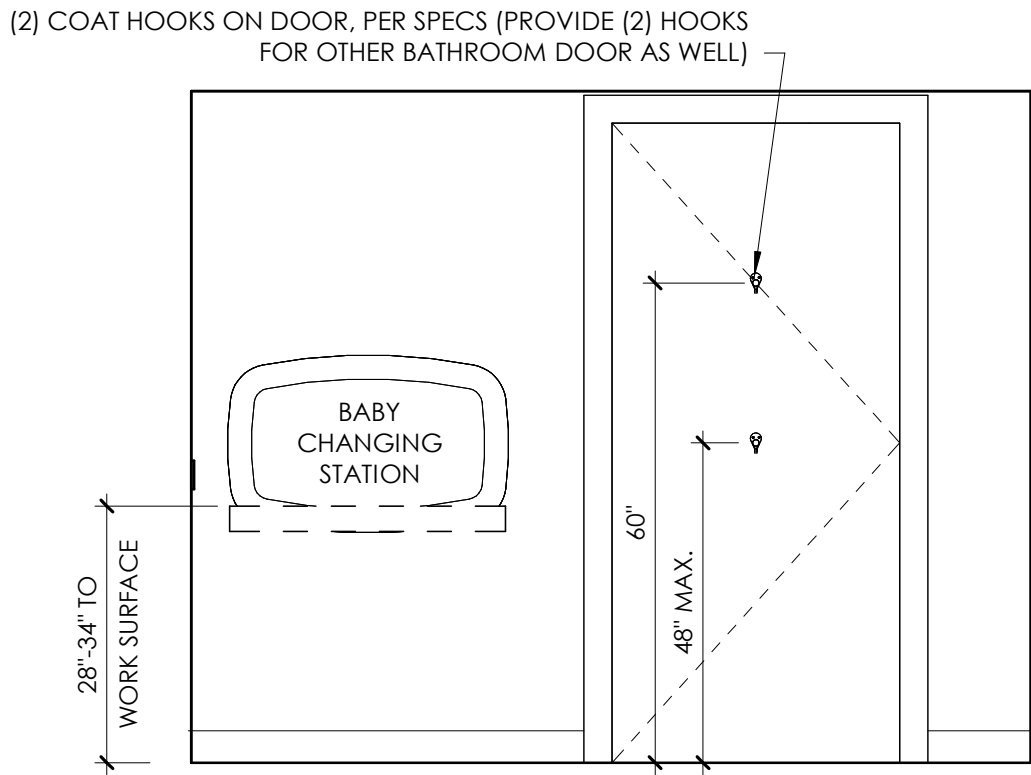
FOR CONSTRUCTION

MORETOWN
TOWN HALL
1147 Route 100B,
Moretown, VT 05660

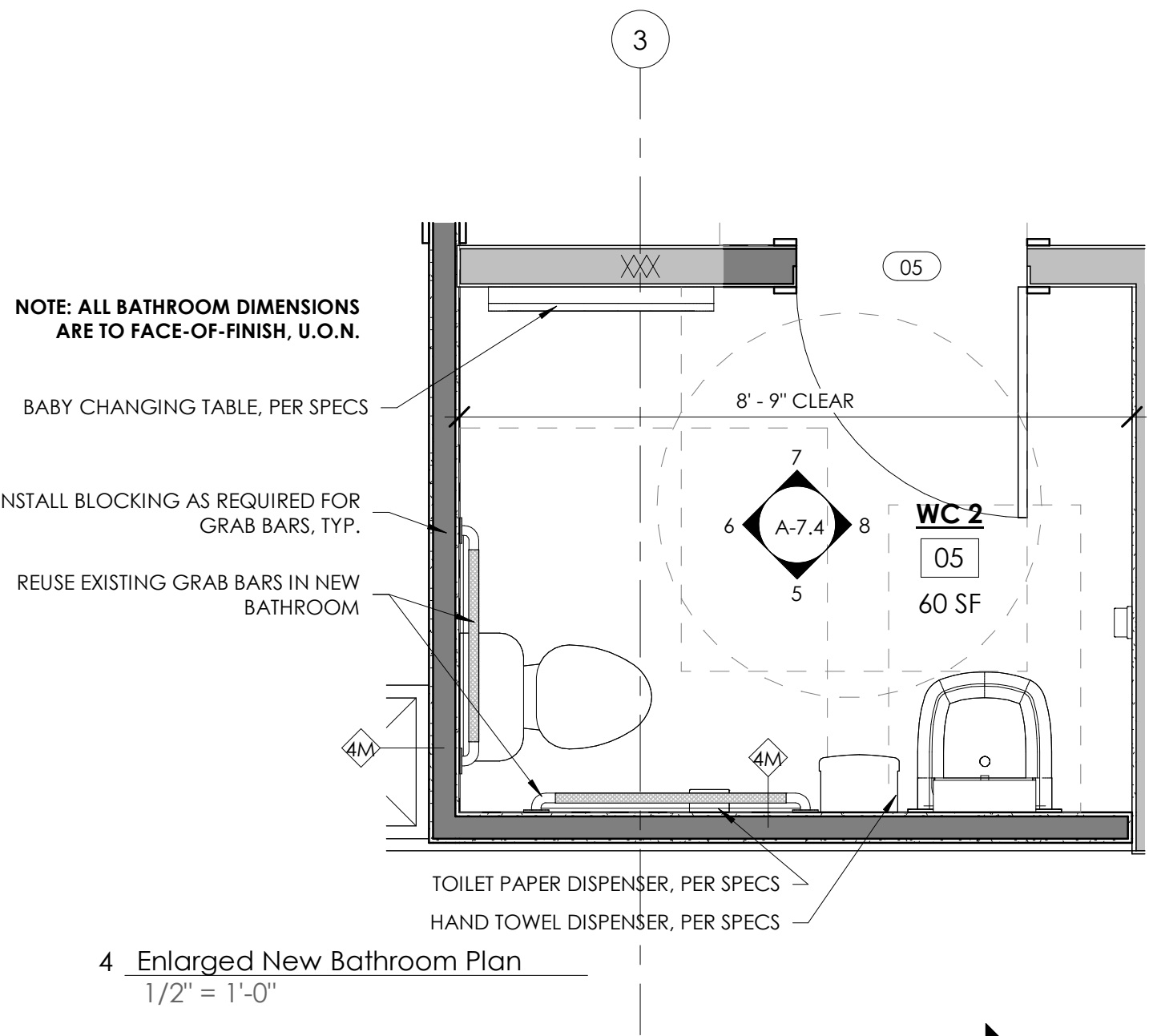
KITCHEN &
BATHROOM
DRAWINGS
A-7.4



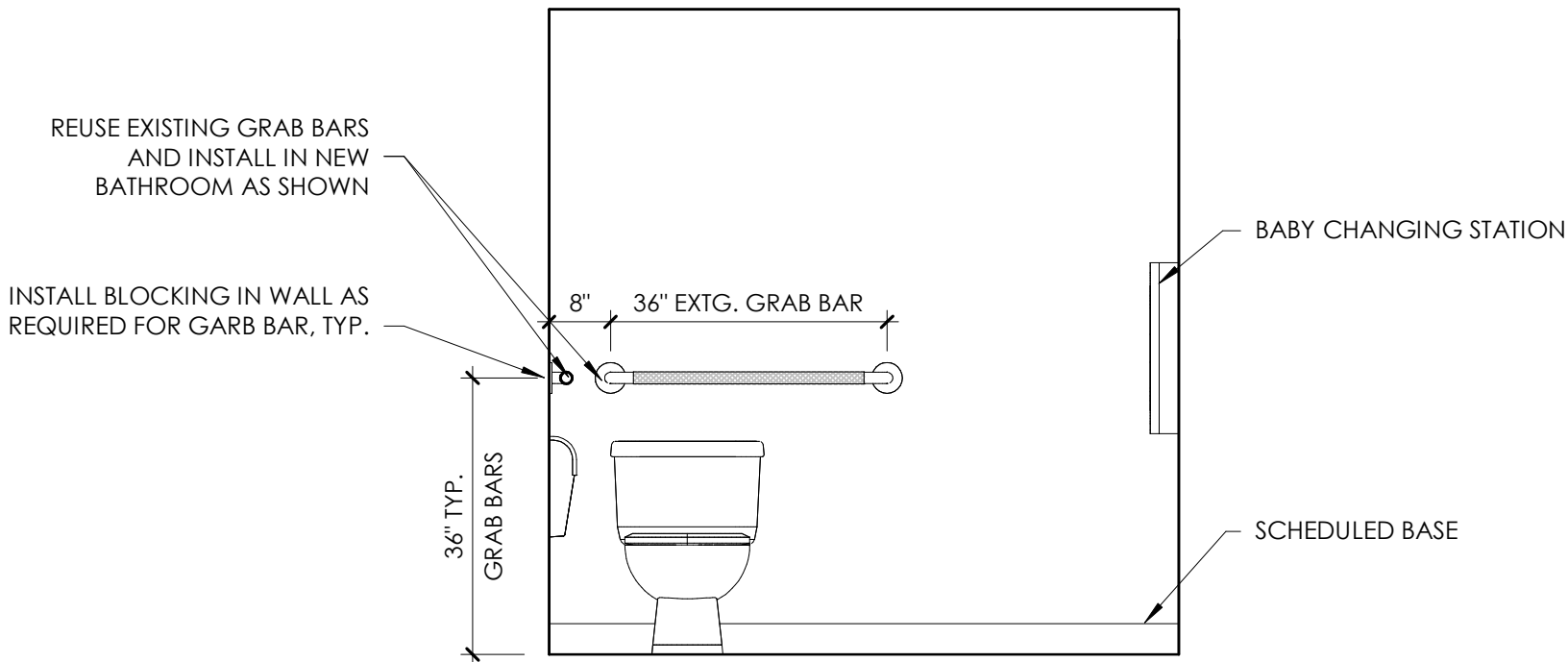
8 WC 2 West Elevation
1/2" = 1'-0"



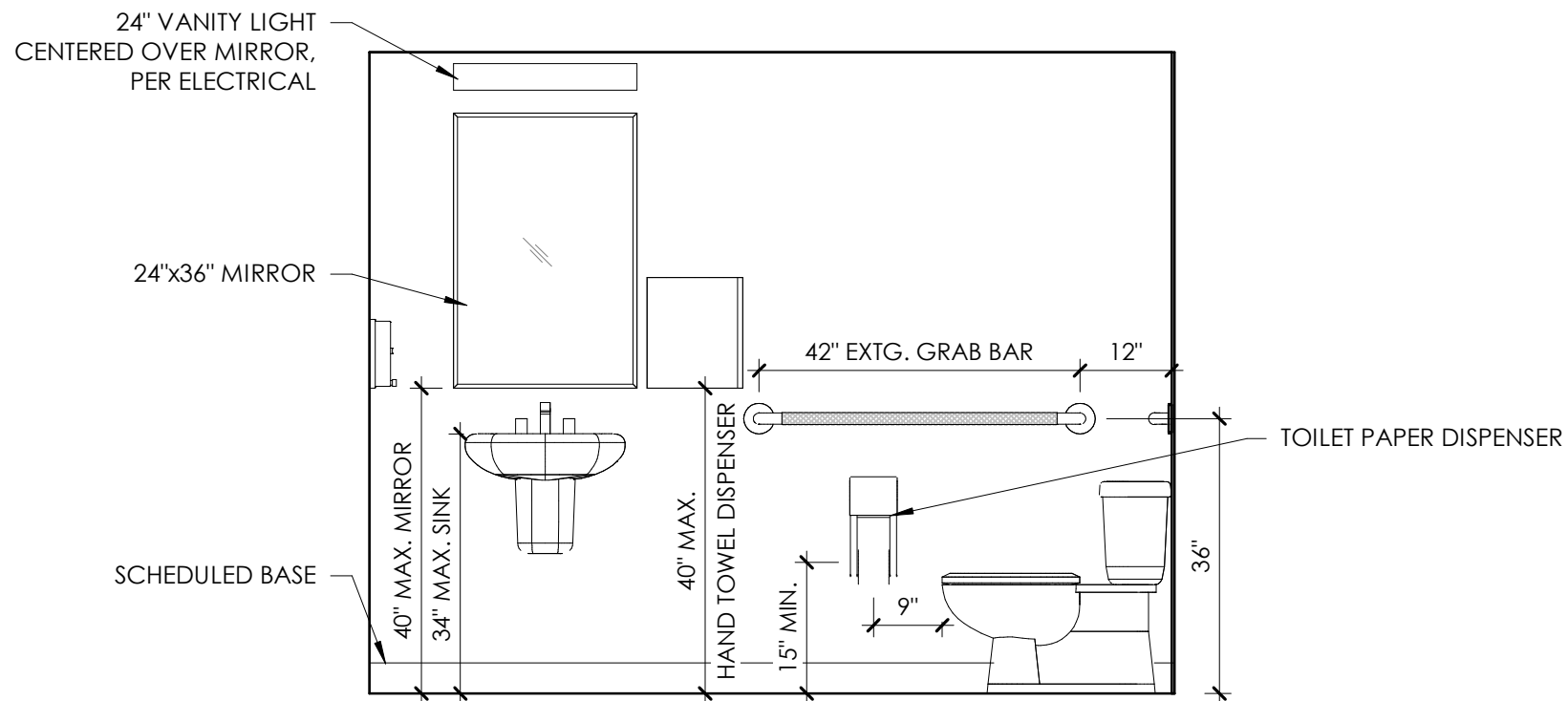
7 WC 2 South Elevation
1/2" = 1'-0"



4 Enlarged New Bathroom Plan
1/2" = 1'-0"



6 WC 2 East Elevation
1/2" = 1'-0"



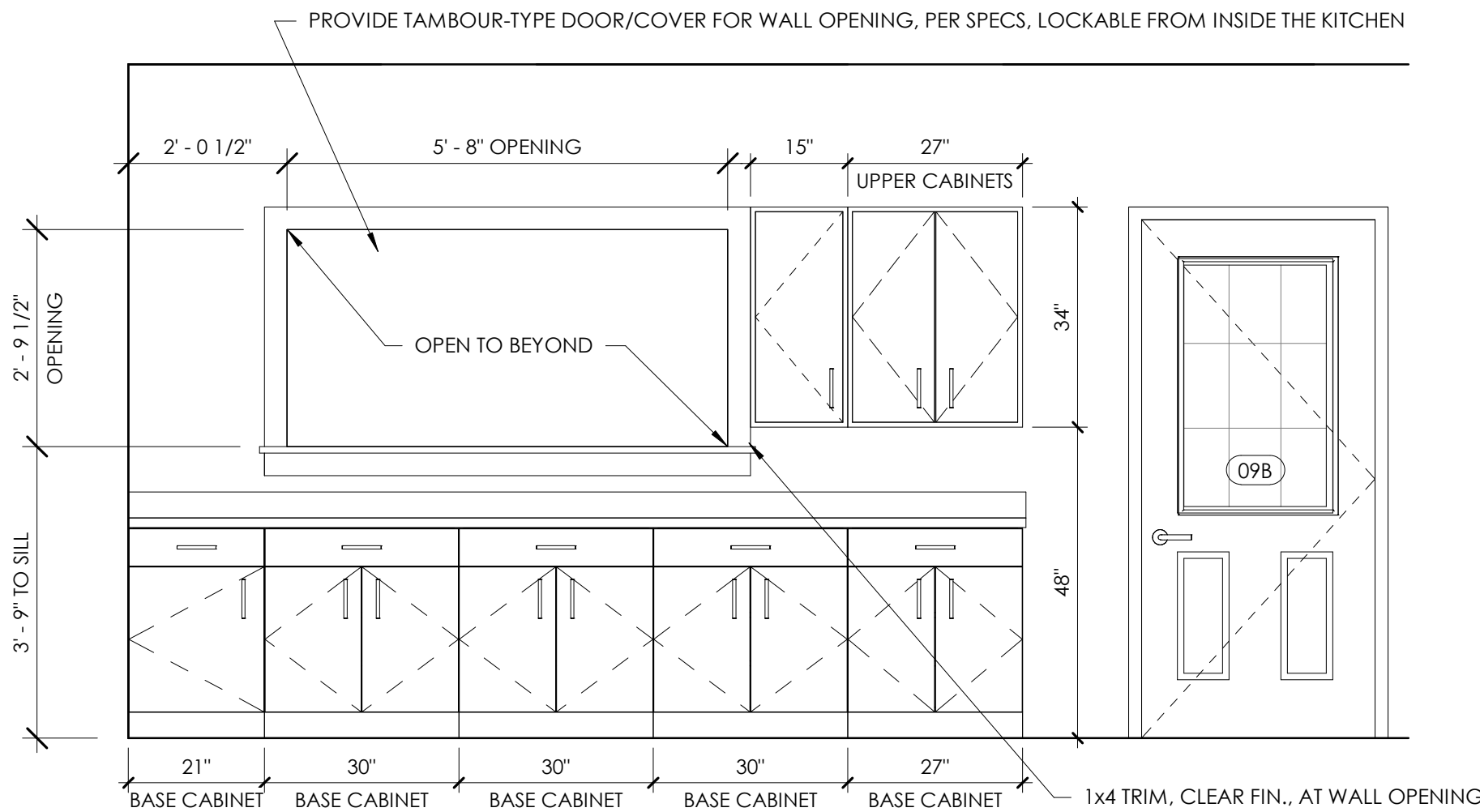
5 WC 2 North Elevation
1/2" = 1'-0"

GENERAL NOTES

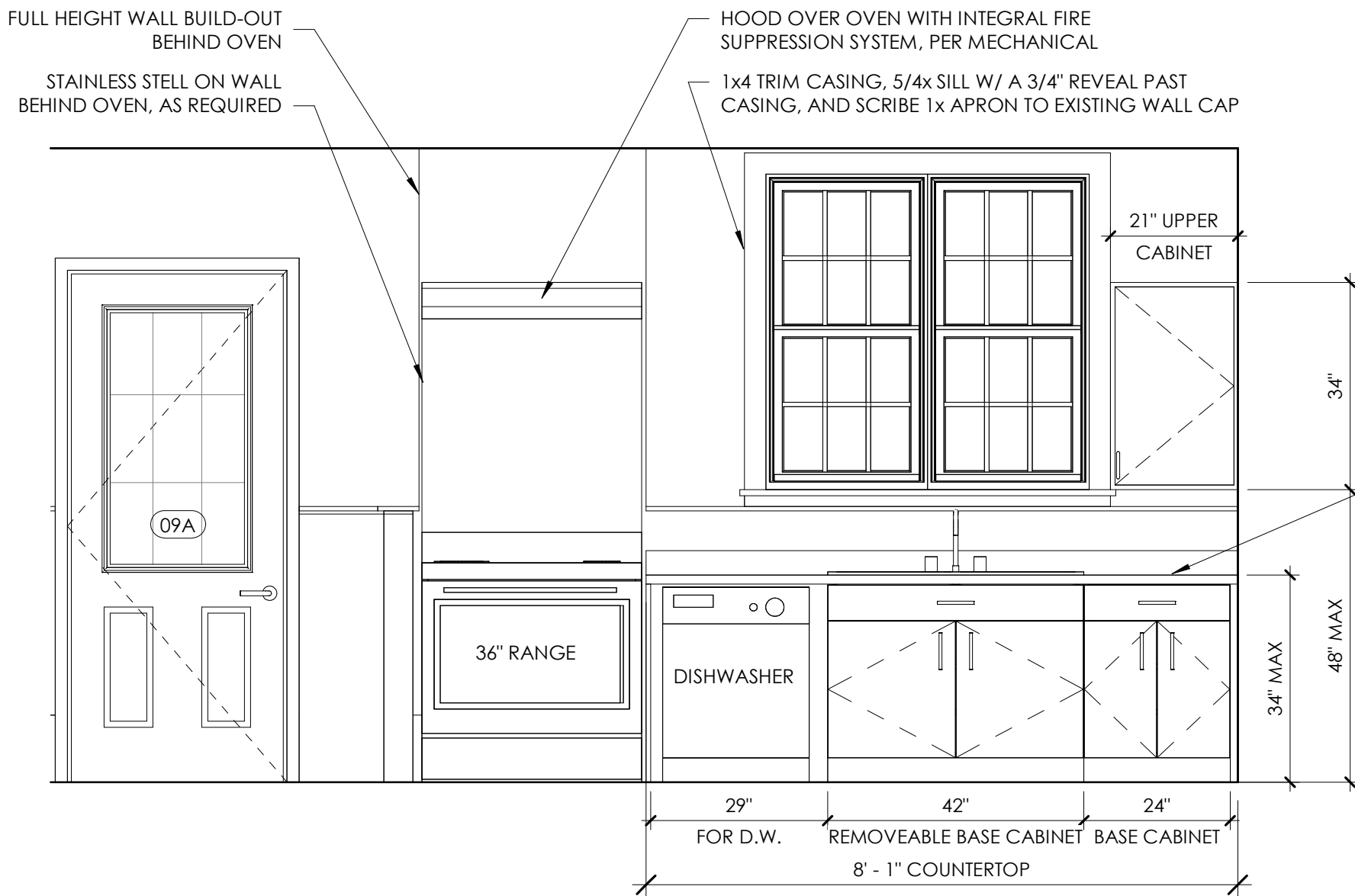
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2. ALL DIMENSIONS TO NEW WORK ARE TO FACE-OF-FRAMING, U.O.N.
3. ALL DIMENSIONS TO EXISTING CONSTRUCTION IS TO FACE-OF-FINISH, U.O.N.
4. SEE ENLARGED STAIR & LIFT DWGS. FOR ASSOCIATED DIMENSIONS.
5. SEE CIVIL DRAWINGS FOR UTILITIES, SITE ELEMENTS, AND ON-SITE CONCRETE INFO & DETAILS.
6. SEE CIVIL DRAWINGS FOR NEW FOUNDATION DRAINAGE AND GRAVEL DRIP STRIPS.
7. SEE STRUCTURAL DRAWINGS FOR FOUNDATION AND FRAMING INFORMATION & DETAILS, AS WELL AS CONCRETE INFO & DETAILS.
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11. PROVIDE BLOCKING FOR ALL WALL-MOUNTED CASEWORK, EQUIPMENT, AND ACCESSORIES, INCLUDING OWNER SUPPLIED ITEMS.
12. SEE ALTERNATES SPECIFICATION SECTION FOR ADDITIONAL SCOPES & WORK.

BATHROOM NOTES:

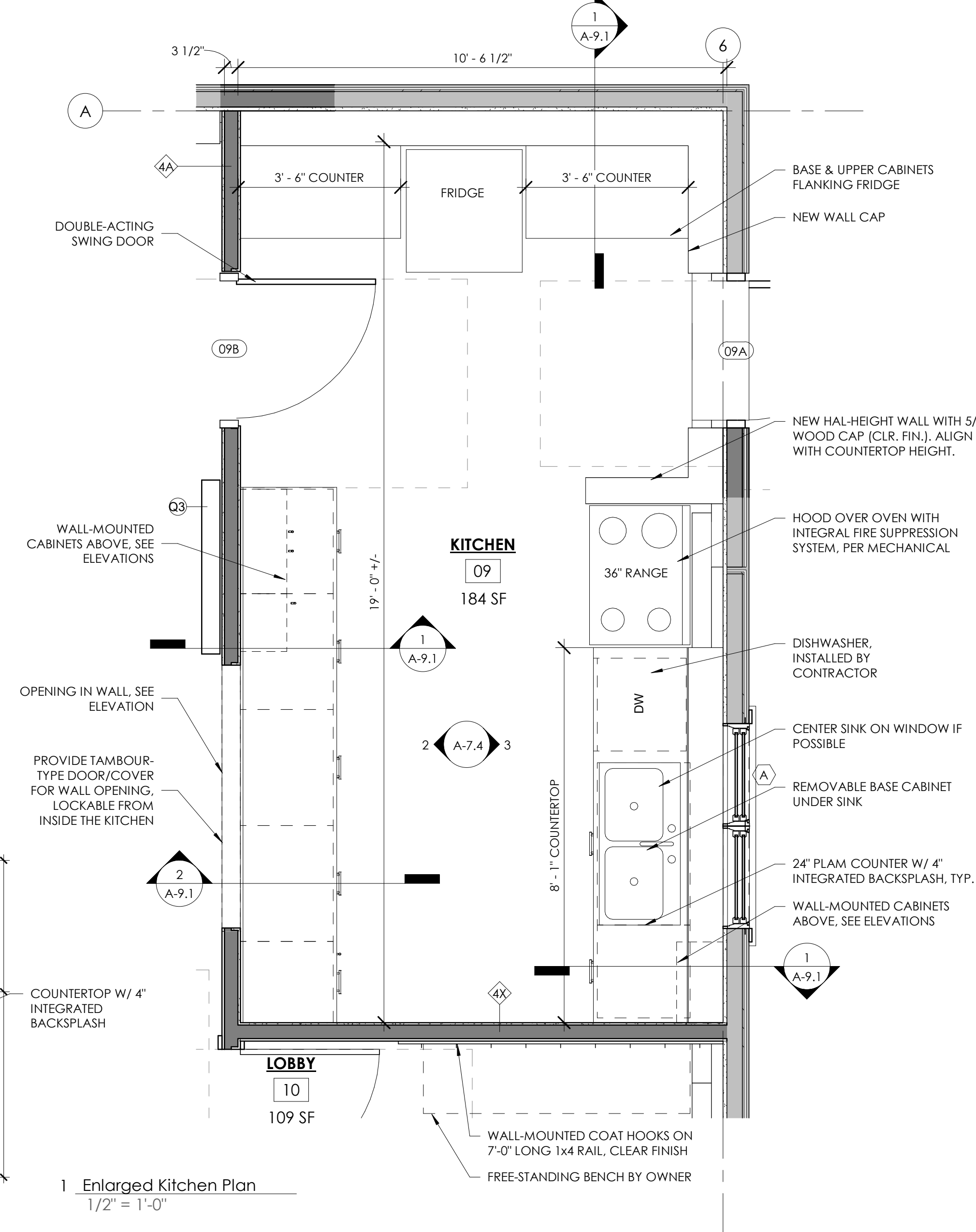
1. MOISTURE RESISTANT SHEETROCK AT ALL BATHROOM WALLS
2. PROVIDE BLOCKING FOR GRAB BARS, TOILET PAPER HOLDERS, TOWEL DISPENSERS, MIRRORS, AND OTHER FIT-UP ITEMS.
3. DIMENSIONS ON THIS SHEET ARE TYPICALLY TO FACE OF FINISH, U.O.N.
4. SOAP DISPENSER, PAPER TOWEL DISPENSER, AND GRAB BARS ARE EXISTING, RE-USED FROM THE DEMOISHED WC.
5. INSTALL TO MEET ADA AND ABA REQUIREMENTS.



2 Kitchen East Elevation
1/2" = 1'-0"

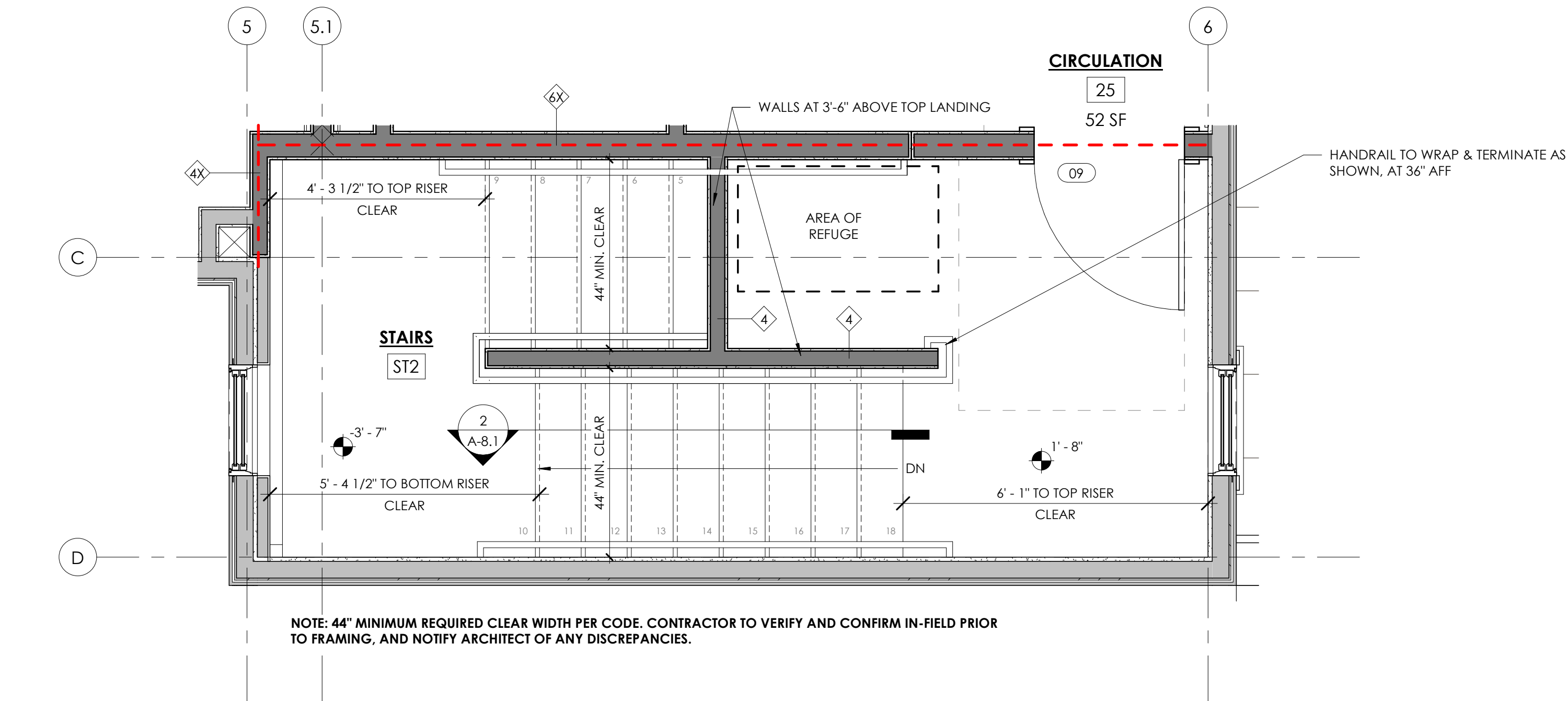
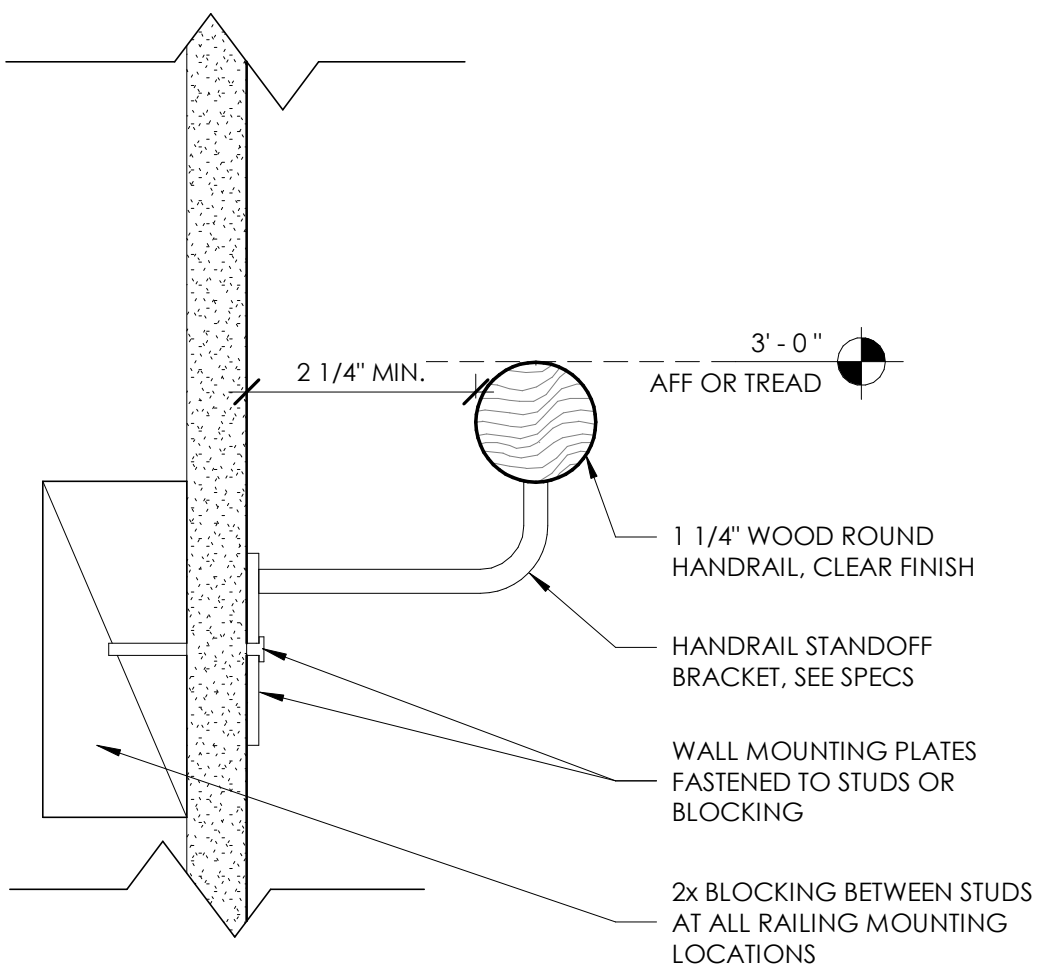


3 Kitchen West Elevation
1/2" = 1'-0"

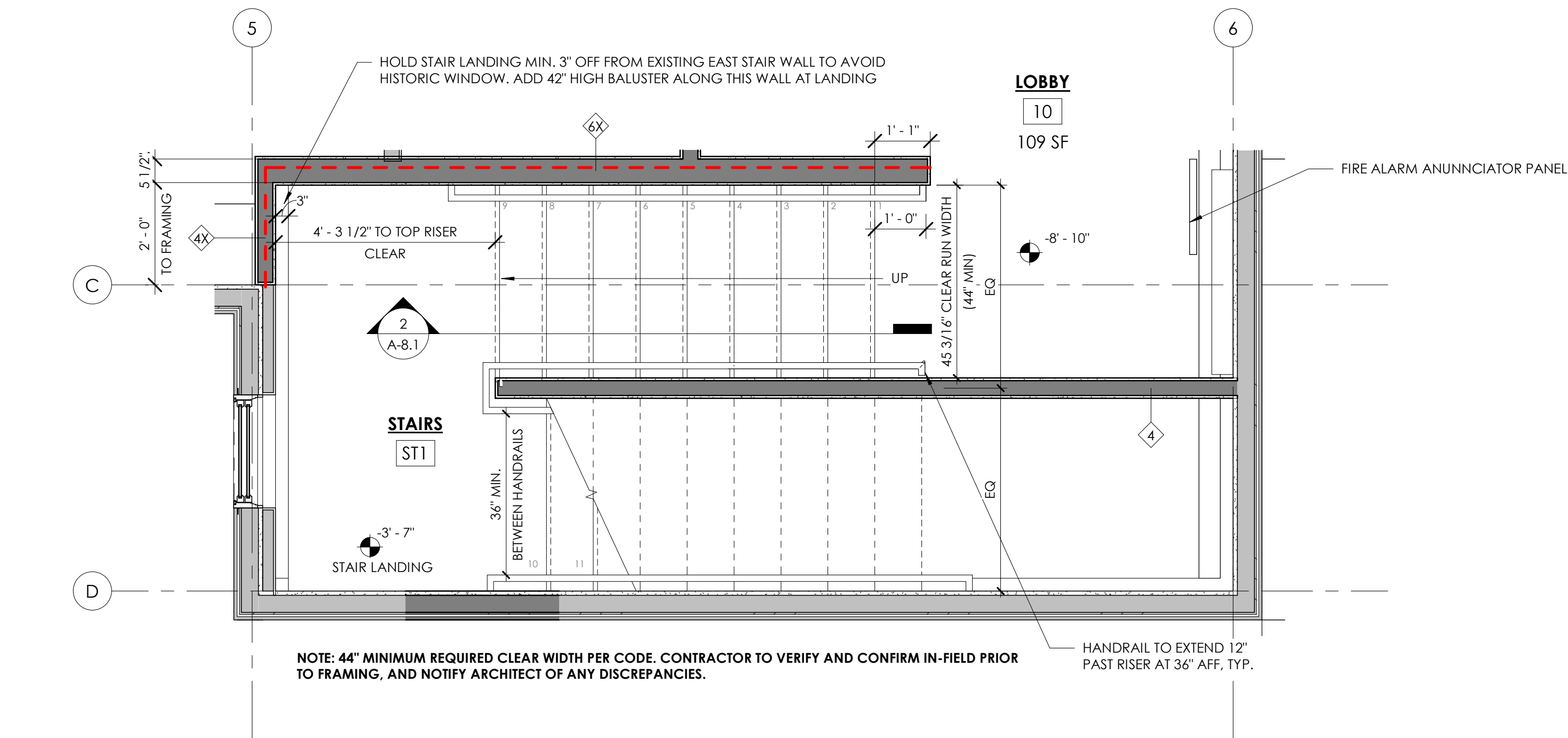


1 Enlarged Kitchen Plan
1/2" = 1'-0"

3 Typical Handrail Detail
6" = 1'-0"



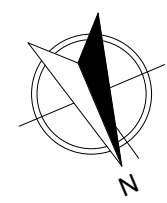
4 Enlarged Stair Plan- Main Level
1/2" = 1'-0"



1 Enlarged Stair Plan- Lower Level
1/2" = 1'-0"

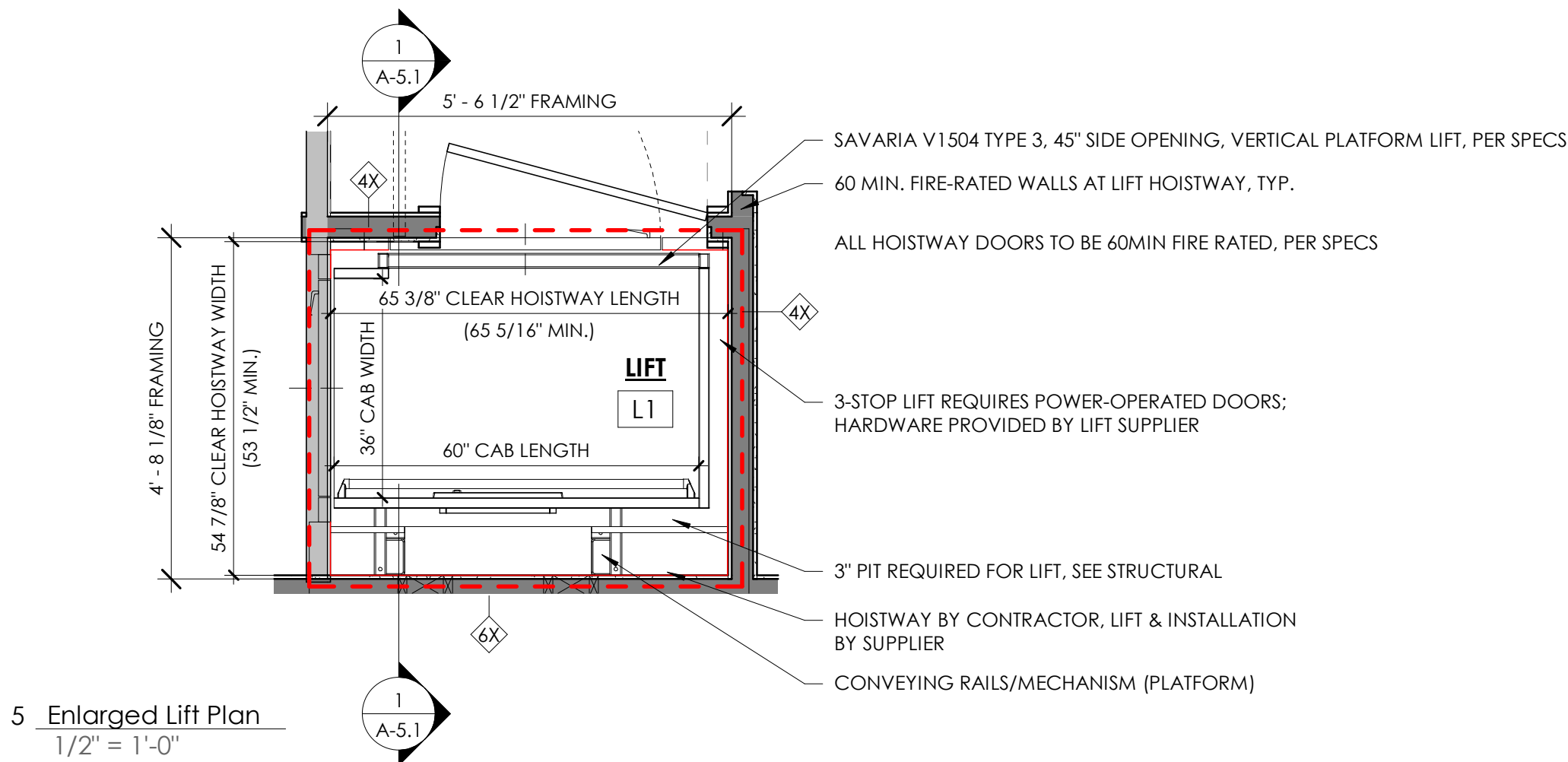
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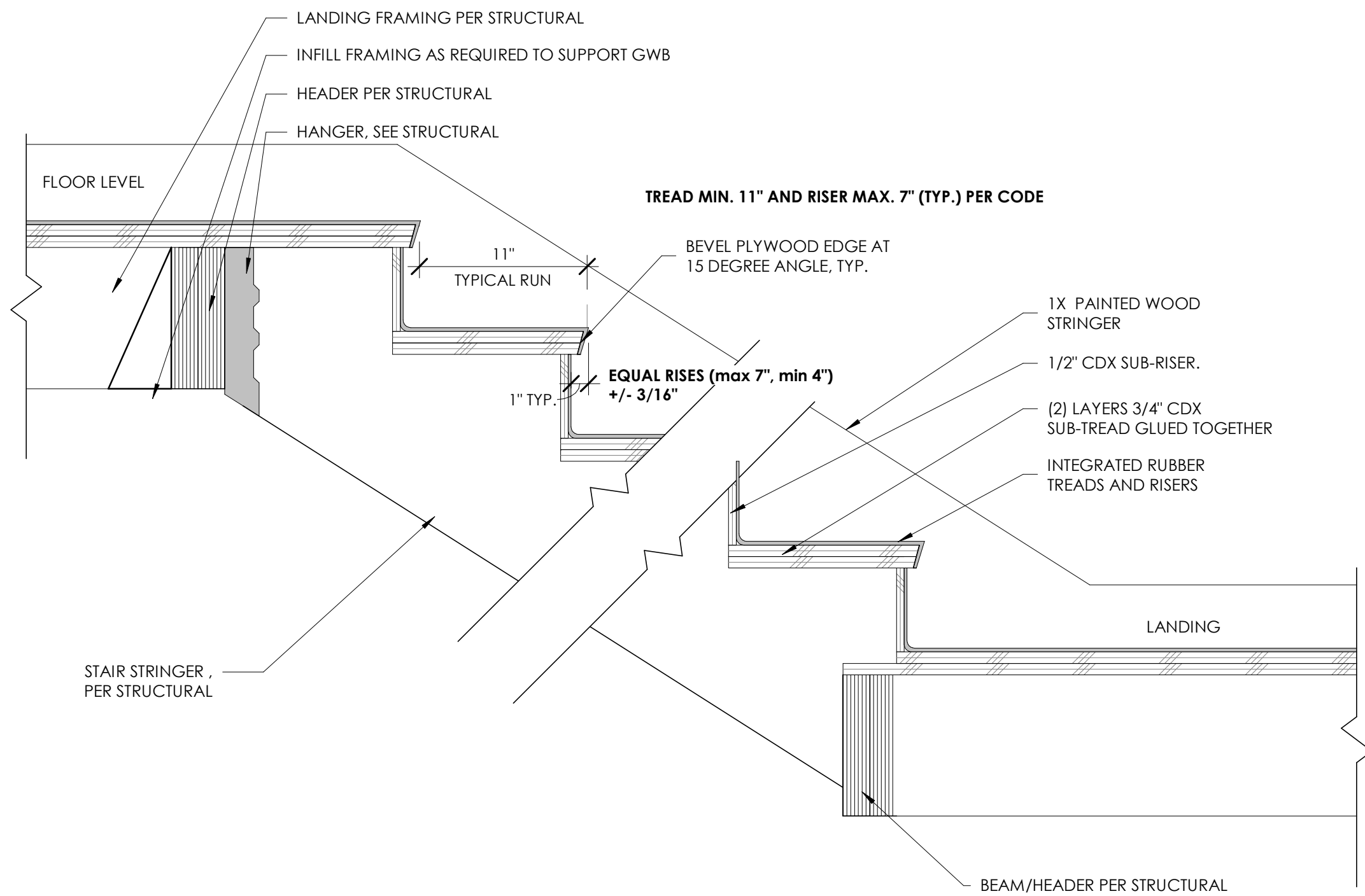


FLOOR PLAN LEGEND

- EXISTING WALL
- NEW WALL/NEW WALL INFILL



5 Enlarged Lift Plan
1/2" = 1'-0"



2 Typical Stair Tread Detail
1 1/2" = 1'-0"

VIA
VERMONT INTEGRATED ARCHITECTURE, PC

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MORETOWN TOWN HALL
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STAIR PLAN/DETAILS & LIFT
A-8.1



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CONSTRUCTION MANAGER

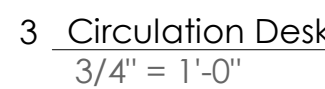
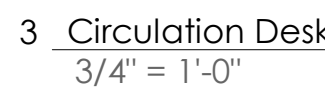
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1147 Route 100B,
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MILLWORK

A-9.1



- LIBRARY SHELVING NOTES:**

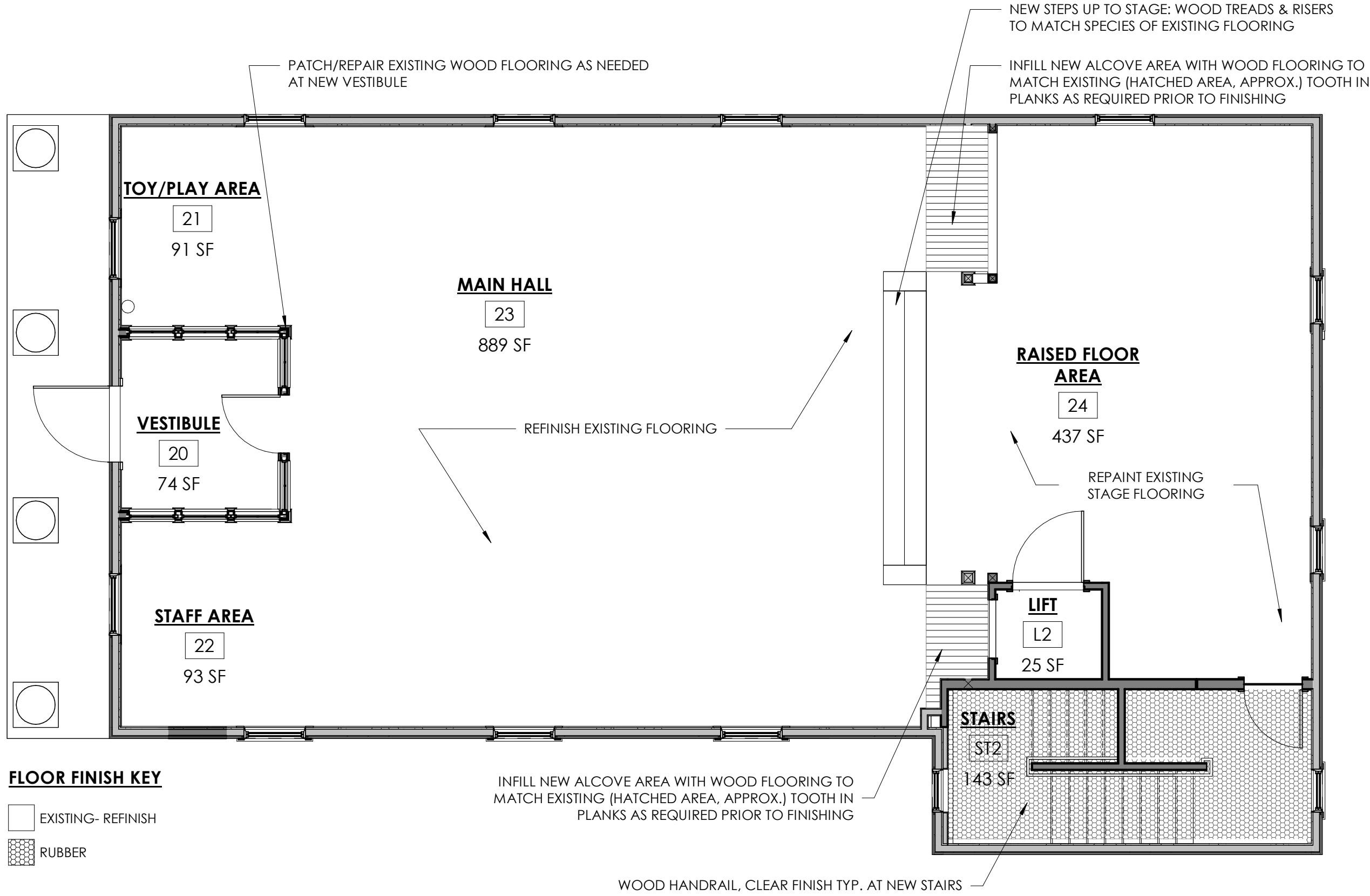
1. SEE A2.2 FOR SHELVING TYPE AND LOCATIONS.
2. SEE A-9.1 FOR SHELVING DETAILS.
3. **CONTRACTOR TO PROVIDE & INSTALL FIXED SHELVING UNITS.**
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7. SEE SPECIFICATIONS FOR ROLLER SHADE BASIS OF DESIGN PRODUCT.
8. THERE IS NO WORK FOR THE CONTRACTOR REGARDING EXISTING SHELVING. THESE UNITS WILL BE MOVED INTO OR OUT OF THE BUILDING BY THE OWNER.
9. ALL NEW UNITS TO BE FINISH GRADE MAPLE PLYWOOD, CLEAR FINISH, PER SPECS.
10. **DO NOT SHELVING UNITS IF IT IS NOT SHOWN IN THE SCHEDULE, AS IT DOES NOT CONTRIBUTE TO USABLE SHELVING SPACE FOR PATRONS. IT IS HOWEVER WITHIN THE SCOPE-OF-WORK.**
11. SEE ARCHITECTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION ON LIBRARY SHELVING.



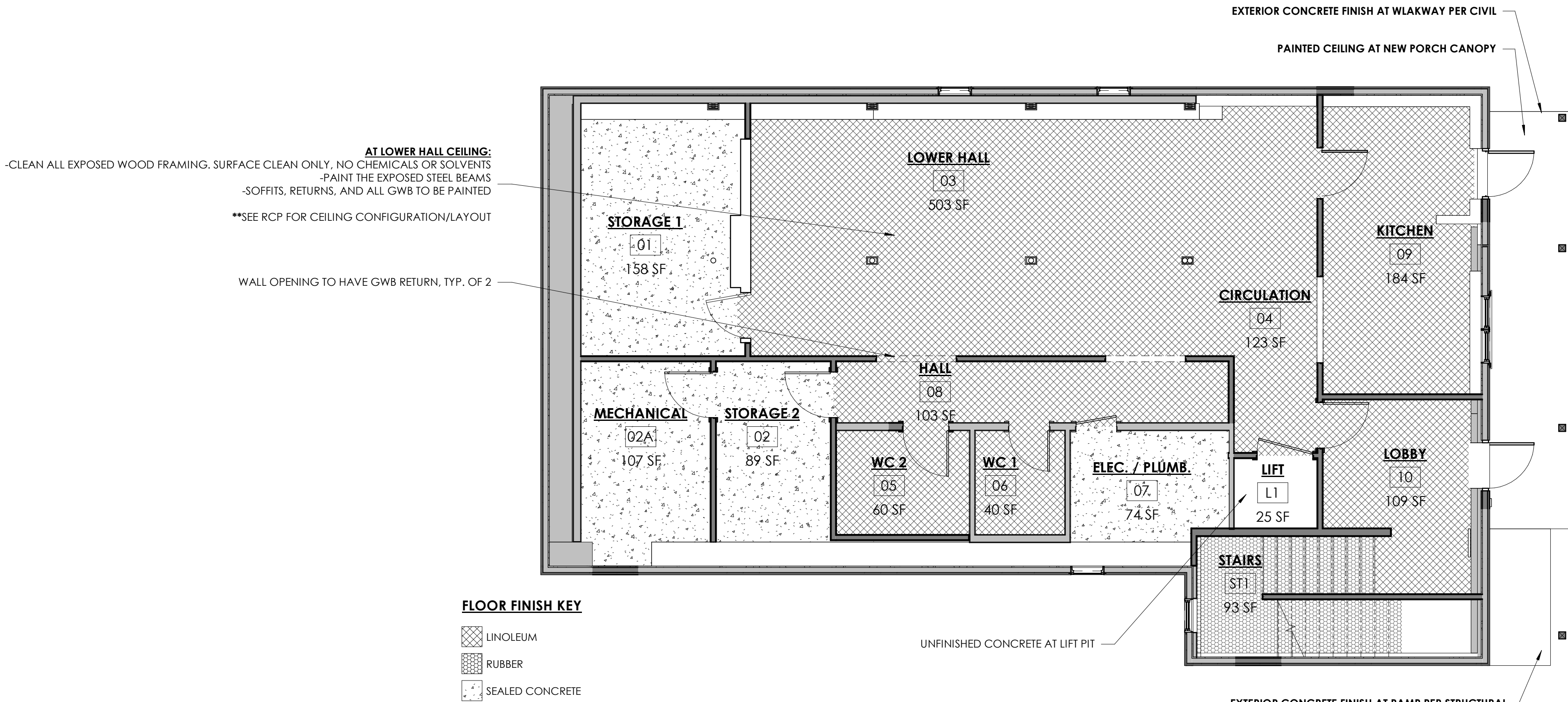
ROOM FINISH SCHEDULE						
NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
01	STORAGE 1	SEALED CONCRETE	RUBBER	GW8, PTD.	EXPOSED EXTG. FRAMING	CLEAN EXPOSED WOOD FRAMING (BY HAND, NO SOLVENTS OR CHEMICALS)
02	STORAGE 2	SEALED CONCRETE	RUBBER	GW8, PTD.	EXPOSED EXTG. FRAMING	CLEAN EXPOSED WOOD FRAMING (BY HAND, NO SOLVENTS OR CHEMICALS)
02A	MECHANICAL	SEALED CONCRETE	RUBBER	GW8, PTD.	EXPOSED EXTG. FRAMING	CLEAN EXPOSED WOOD FRAMING (BY HAND, NO SOLVENTS OR CHEMICALS)
03	LOWER HALL	LINOLEUM	RUBBER	GW8, PTD.	EXPOSED EXTG. FRAMING & GW8, PTD.	CEILING: CLEAN EXPOSED WOOD FRAMING, PAINT EXPOSED STEEL BEAMS
04	CIRCULATION	LINOLEUM	RUBBER	GW8, PTD.	GW8, PTD.	STAIN EXISTING WOOD PANELING
05	WC 2	LINOLEUM	RUBBER	GW8, PTD.	GW8, PTD.	
06	WC 1	LINOLEUM	RUBBER	GW8, PTD.	RE-PAINT EXISTING	
07	ELEC. / PLUMB.	SEALED CONCRETE	RUBBER	RE-PAINT EXTG.	RE-PAINT EXISTING	PAINT EXTG. GW8 WALLS
08	HALL	LINOLEUM	RUBBER	GW8, PTD.	GW8, PTD.	
09	KITCHEN	LINOLEUM	RUBBER	GW8, PTD.	ACT, 2x2	
10	LOBBY	LINOLEUM	RUBBER	GW8, PTD.	GW8, PTD.	
20	VESTIBULE	EXISTING- REFINISH	WOOD	GW8, PTD.	GW8, PTD.	NEW CEILING BELOW EXTG.
21	TOY/PLAY AREA	EXISTING- REFINISH	RE-PAINT EXTG.	RE-PAINT EXTG.	RE-PAINT EXISTING	
22	STAFF AREA	EXISTING- REFINISH	RE-PAINT EXTG.	RE-PAINT EXTG.	RE-PAINT EXISTING	
23	MAIN HALL	EXISTING- REFINISH	RE-PAINT EXTG.	RE-PAINT EXTG.	RE-PAINT EXISTING	REFINISH EXTG WOOD FLOOR, NEW PAINT ON WALLS
24	RAISED FLOOR AREA	EXISTING- REFINISH	RE-PAINT EXTG.	RE-PAINT EXTG.	RE-PAINT EXISTING	REPAIR EXISTING FLOORING
25	CIRCULATION	EXISTING- REFINISH	RE-PAINT EXTG.	RE-PAINT EXTG.	ACT, 2x2	REPAIR ANY DAMAGED WALL BASE IN-KIND
L1	LIFT			GW8, PTD.		
L2	LIFT			GW8, PTD.		1-HR RATED CEILING
ST1	STAIRS	RUBBER	RUBBER	GW8, PTD.	GW8, PTD.	1-HR RATED CEILING
ST2	STAIRS	RUBBER	RUBBER	GW8, PTD.	GW8, PTD.	1-HR RATED CEILING

NOTE: ASSUME LIFT CAB FINISH FLOORING BY CONTRACTOR; SUB-FLOOR BY LIFT PROVIDER.

NOTE: PROVIDE TRANSITION STRIPS FOR ALL FLOORING TYPES, PER MANUFACTURERS RECOMMENDATIONS AND INSTALLATION PRACTICES.



2 Main Level Finish Plan
3/16" = 1'-0"



1 Lower Level Finish Plan
3/16" = 1'-0"

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DATE ISSUED: 02/21/25
Drawn: JG
Checked: MN

REVISIONS:

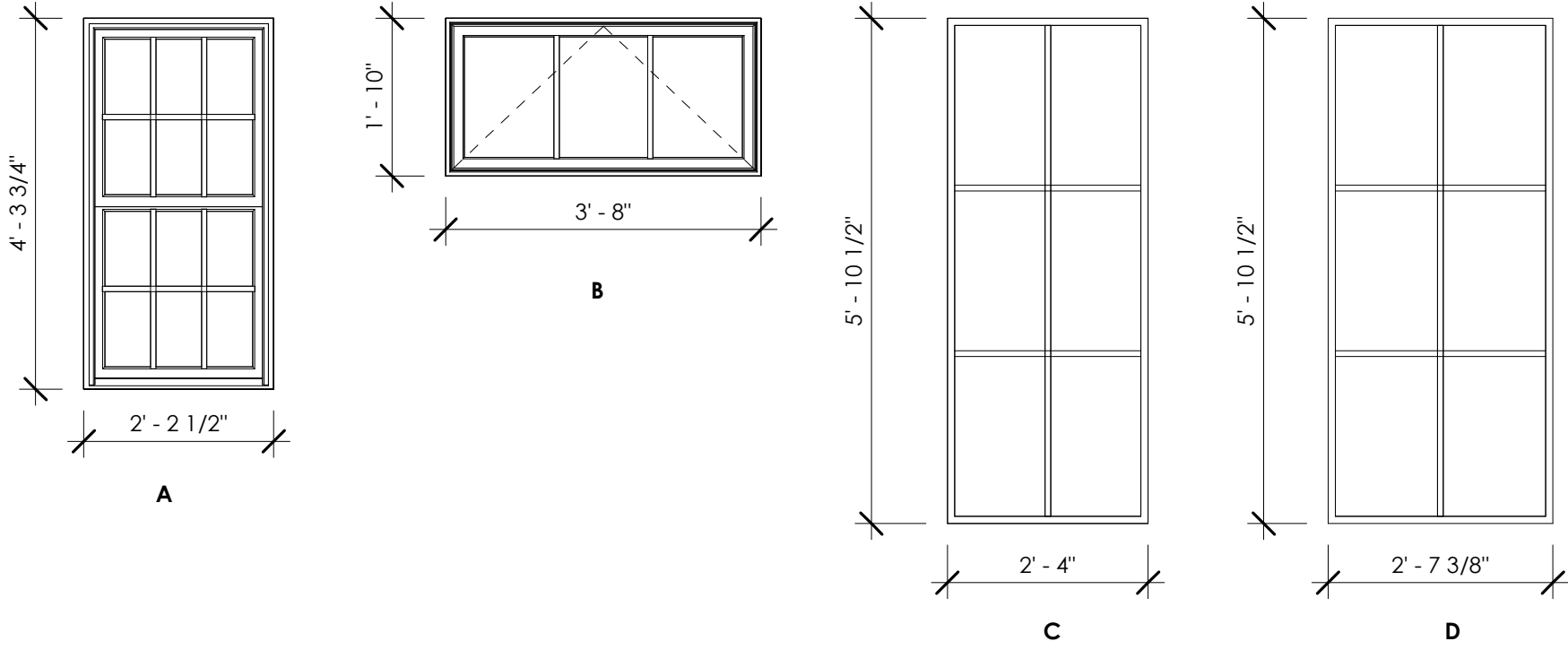
FOR CONSTRUCTION

MORETOWN
TOWN HALL
1147 Route 100B,
Moretown, VT 05660

INTERIOR FINISHES

A-10.1

WINDOW SCHEDULE						
		FRAME SIZE				
TYPE	OPERATION	WIDTH	HEIGHT	SILL HEIGHT	GLAZING	COMMENTS
A	DOUBLE HUNG	2' - 2 1/2"	4' - 3 3/4"	4' - 0"	TRIPLE GLAZED	
B	AWNING	3' - 8"	1' - 10"	8' - 0"	TRIPLE GLAZED	



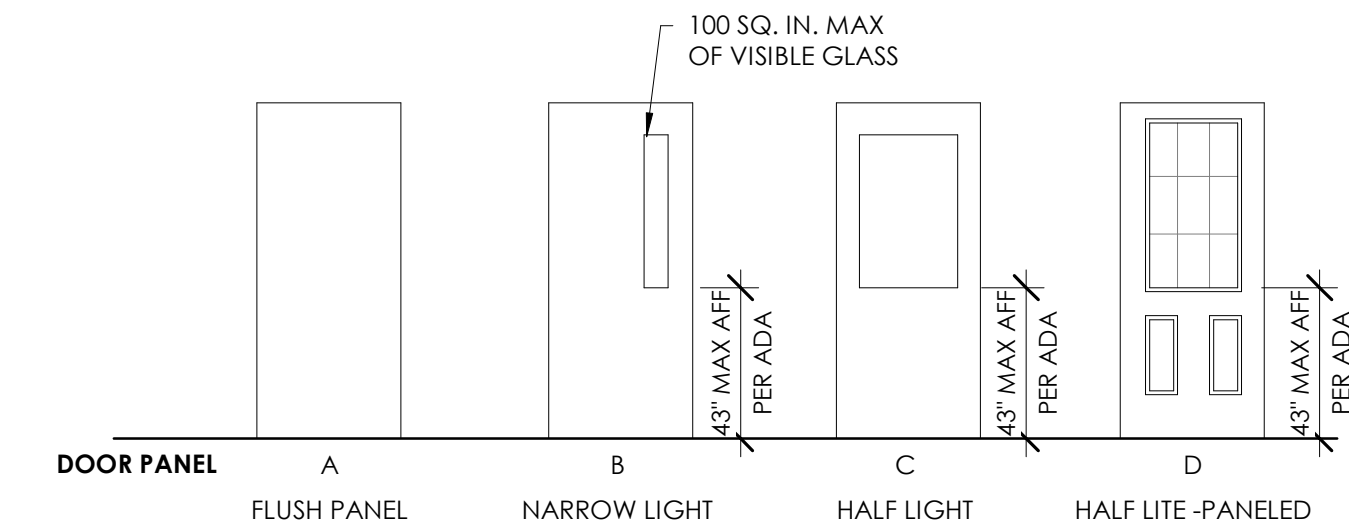
WindowType Elevations
1/2" = 1'-0"

INTERIOR WINDOW SCHEDULE - INTERIOR VESTIBULE						
TYPE	OPERATION	WIDTH	HEIGHT	SILL HEIGHT	GLAZING	COMMENTS
C	FIXED	2' - 4"	5' - 10 1/2"	3' - 4 1/2"	PER SPECS	INTERIOR UNIT AT VESTIBULE W/ FIELD APPLIED GRILLES, SIZE TO BE CONFIRMED IN SHOP DRAWINGS FOR ARCHITECTS REVIEW
D	FIXED	2' - 8"	5' - 10 1/2"	3' - 4 1/2"	PER SPECS	INTERIOR UNIT AT VESTIBULE W/ FIELD APPLIED GRILLES, SIZE TO BE CONFIRMED IN SHOP DRAWINGS FOR ARCHITECTS REVIEW

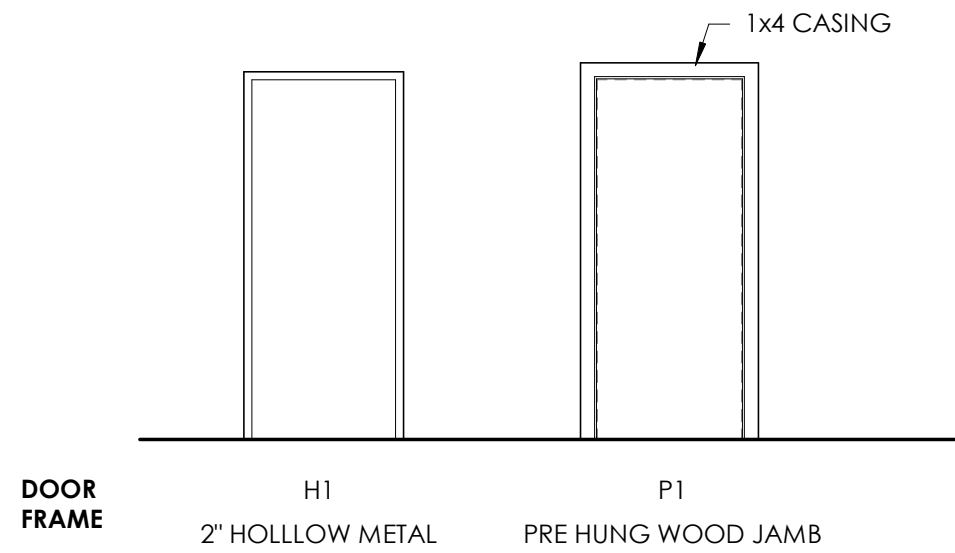
NOTE: INTERIOR VESTIBULE WINDOWS ARE CUSTOM-BUILT, STOPPED-IN-GLASS WINDOWS WITH MOULDING TO REPLICATE EXISTING WINDOWS. SIZES TO BE CONFIRMED WITH SHOP DRAWINGS.

DOOR SCHEDULE																					
DOOR								FRAME		LBL.	HARDWARE SETS										COMMENTS
MARK	INTO ROOM	ELEVATION TYPE	MATERIAL/ FINISH	SIZE			GLAZE VENTL	FRAME ELEVATION	THRESHOLD MATERIAL	U.L. RATING MIN./HRS.	LOCK FUNCTION	Lockset/Trim	Closer	Fire Exit Device	ADA Opener	Silencers	Stops/Bumpers	Threshold	Weather Strip	Mag. Hold-Open	
				W.	H.	TH.															
01	STORAGE 1	EXTG.	EXTG.					EXTG.				X				X	X	X			
02	STORAGE 2	A	WD/CLR	3'- 0"	6'- 8"	1 3/8"		P1	AL		SERVICE	X				X	X	X			
02A	MECHANICAL	A	WD/CLR	3'- 0"	6'- 8"	1 3/8"		P1	AL		SERVICE	X				X	X				
05	WC 2	A	WD/CLR	3'- 0"	6'- 8"	1 3/8"		P1	AL		PRIVACY	X	X			X	X	X			
06	WC 1	EXTG.	REFINISH EXTG.	2'- 8"	6'- 8"	1 3/8"		REFINISH EXTG.			PRIVACY	X	X			X	X	X			
07	ELEC./PLUMB.	EXTG.	REFINISH EXTG.	2'- 8"	6'- 8"	1 3/8"		REFINISH EXTG.			SERVICE	X				X	X	X			
09A	KITCHEN- EXTERIOR DOOR	D	FG, PTD	3'- 0"	7'- 0"	1 3/4"	INSULATED	P1	AL/TB		ENTRY/EXIT	X		X		X	X	X	X		
09B	KITCHEN	D	WD/CLR	3'- 0"	6'- 8"	1 3/8"		P1			OFFICE	X				X	X				
10A	LOBBY- EXTERIOR DOOR	D	FG, PTD	3'- 0"	7'- 0"	1 3/4"	INSULATED	P1	AL/TB		ENTRY/EXIT	X	X	X		X	X	X	X		
10B	LOBBY	B	WD/CLR	3'- 0"	6'- 8"	1 3/8"	1-HR, 100 SQ IN MAX	P1		60 MIN.	OFFICE	X		X		X	X	X	X		
L1	LIFT	B	BY OTHERS	3'-8"	6'-8"	1-3/8"															
20	VESTIBULE	D	WD/CLR	3'- 0"	8'- 0"	1 3/8"		P1			PASSAGE	X	X								
L2A	LIFT	B	BY OTHERS	3'- 0"	6'- 8"	1-3/8"															
09	STAIRS	B	WD/CLR	3'- 0"	7'- 0"	1 3/8"	1-HR, 100 SQ IN MAX	H1		60 MIN.	EXIT	X	X	X		X	X		X		
L2B	LIFT	B	BY OTHERS	3'-8"	6'-8"	1-3/8"															

- DOOR NOTES:**
- LIFT DOORS ARE SUPPLIED BY THE LIFT MANUFACTURER.
 - DOOR 01 IS PART OF AND INTEGRAL TO THE EXISTING POST OFFICE FACADE. SPECIAL CARE SHALL BE TAKEN IN INSTALLING NEW HARDWARE AS SCHEDULED. NO REFINISHING OF THIS DOOR.
- HARDWARE NOTES:**
- THE EXISTING EXTERIOR ENTRY DOOR AT THE MAIN LEVEL SHALL RECEIVE NEW FIRE EXIT PANIC HARDWARE. PRODUCT TO MATCH OTHER DOORS REQUIRING THIS DEVICE.
 - ALL FIRE RATED DOORS TO RECEIVE SMOKE SEAL, PER SPECS.
 - ALL INTERIOR LOWER LEVEL DOORS TO RECEIVE ACOUSTIC/SMOKE SEALS, PER SPECS.



1 Door Types
1/4" = 1'-0"



2 Frame Types
1/4" = 1'-0"

DOOR LOCKING FUNCTION KEY:

ENTRANCE/EXIT: INSIDE ALWAYS UNLOCKED, OUTSIDE UNLOCKED BY KEY/SWIPE CARD

OFFICE: INSIDE LEVER ALWAYS FREE, LOCK BY KEY OUTSIDE

PRIVACY: LOCKED BY PUSH BUTTON ON INSIDE AND RELEASED FROM OUTSIDE BY EMERGENCY TOOL

PASSAGE: BOTH LEVERS ALWAYS UNLOCKED

SERVICE: OUTSIDE UNLOCKED BY KEY, INSIDE ALWAYS FREE. ALWAYS NEED KEY TO UNLOCK

MATERIAL ABBREVIATIONS:

AL or ALUM	Aluminum
CLD	Clad
CLR	Clear
FG	Fiberglass
HM	Hollow Metal
MTL	Metal
PTD	Painted
TB	Thermally Broken
WD	Wood

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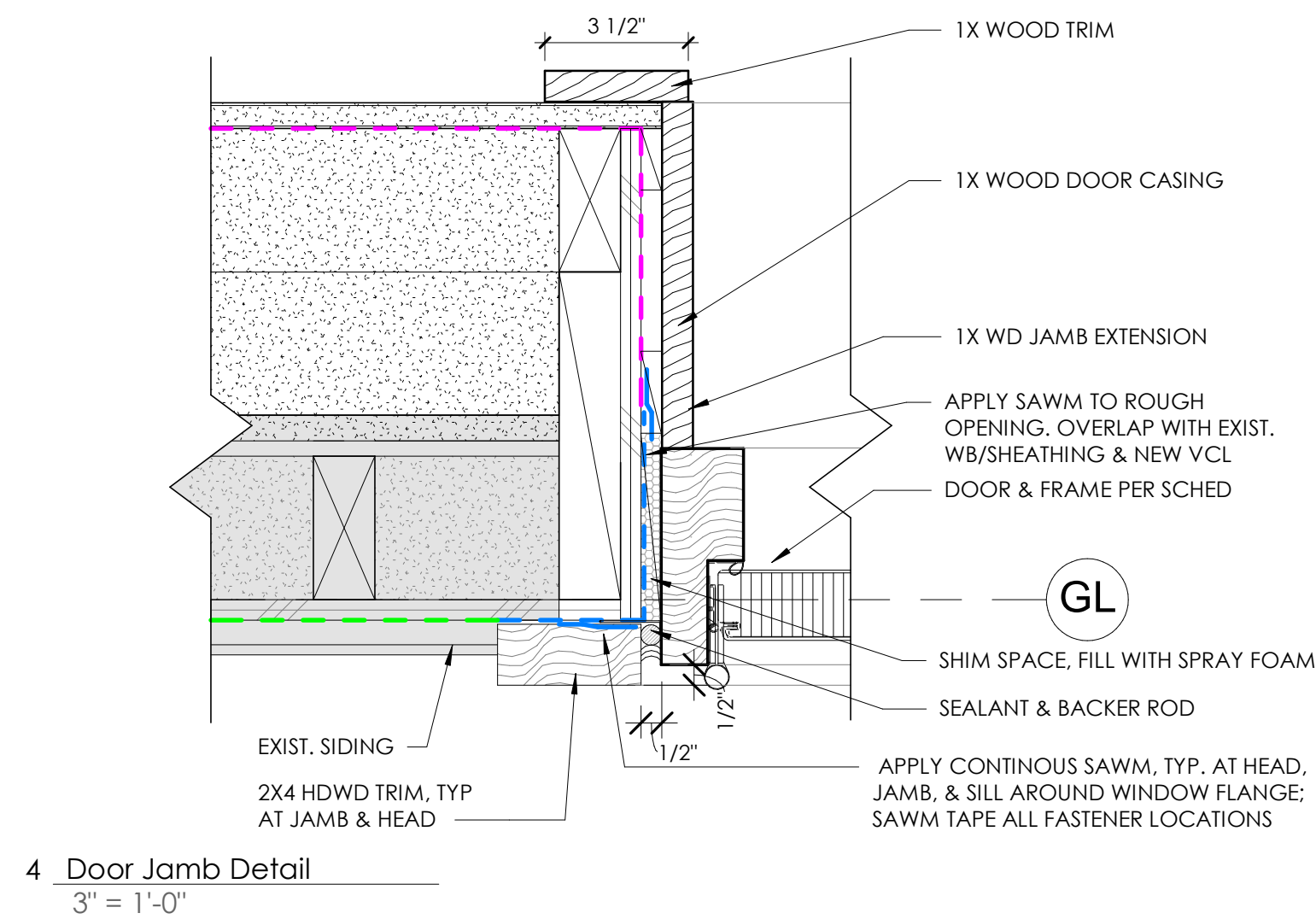
FOR CONSTRUCTION

**MORETOWN
TOWN HALL**

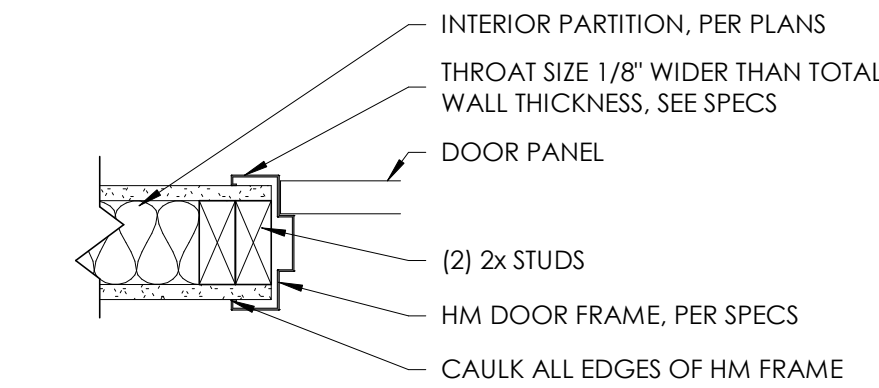
1147 Route 100B,
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**WINDOW &
DOOR SCHEDULES**

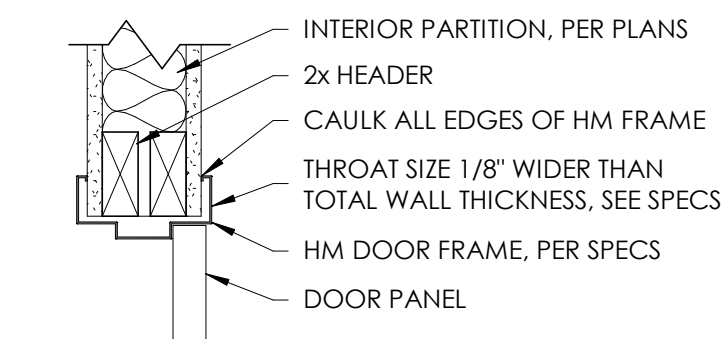
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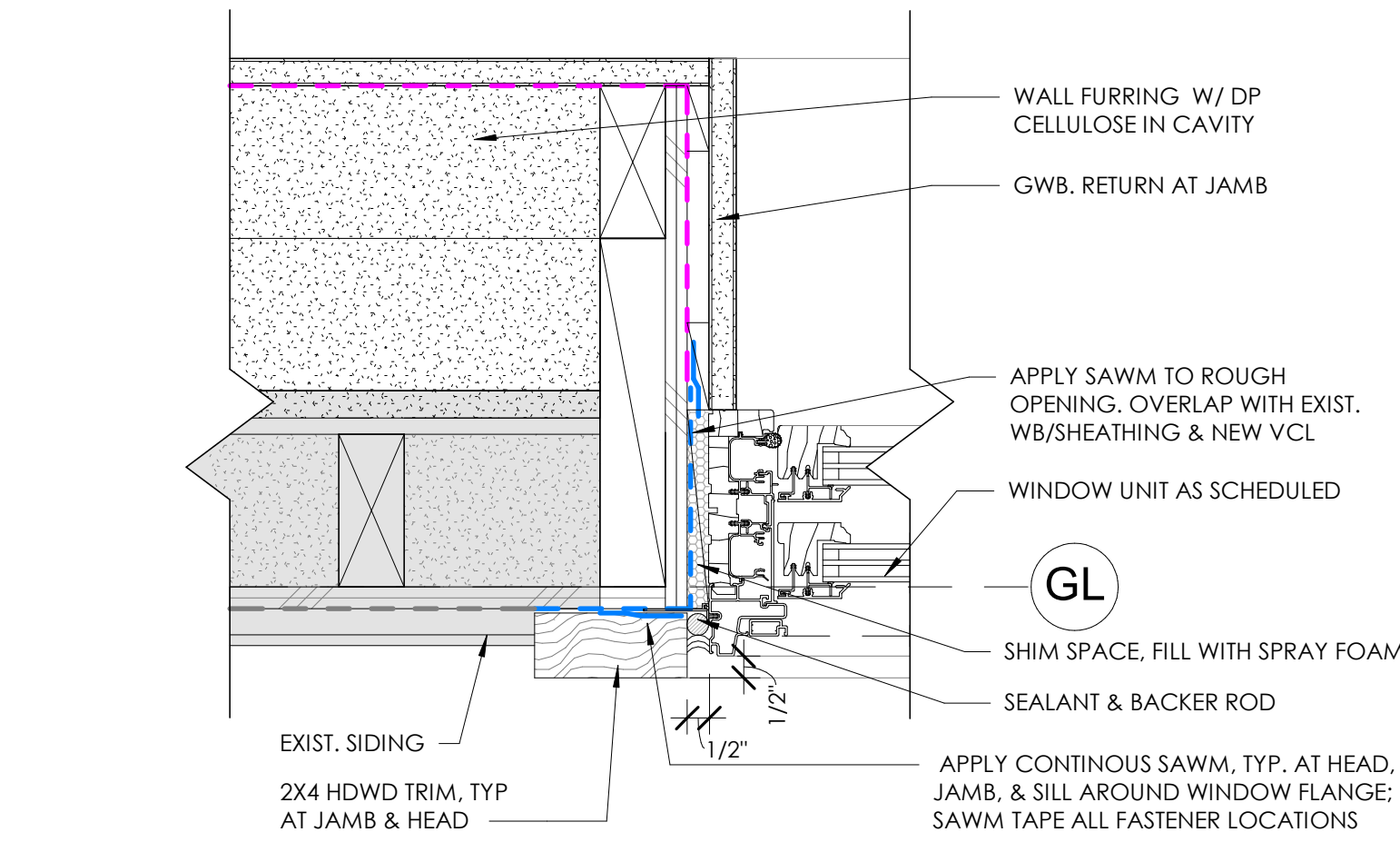
4 Door Jamb Detail
3" = 1'-0"



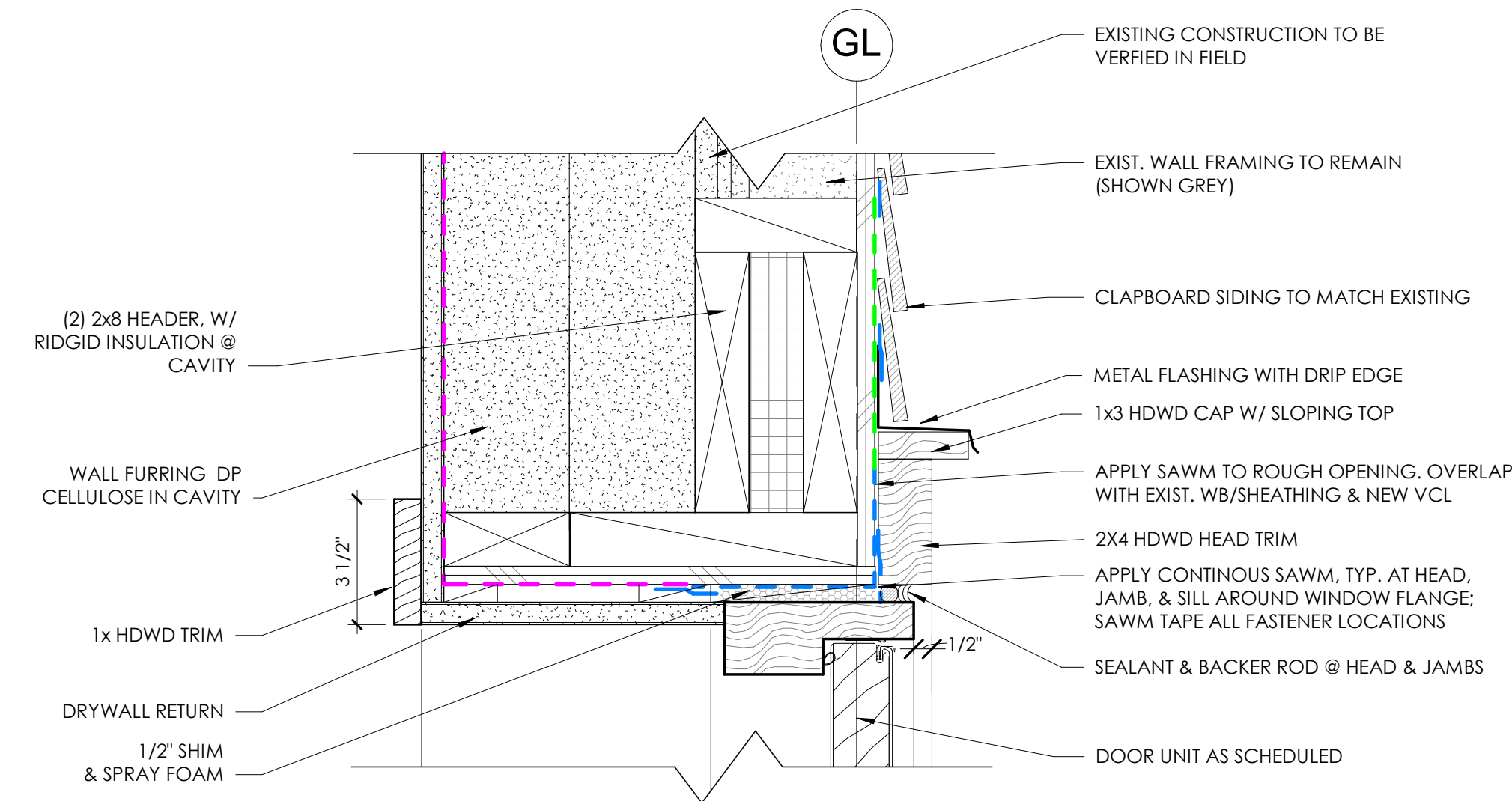
9 Typical Interior HM Door Jamb
1 1/2" = 1'-0"



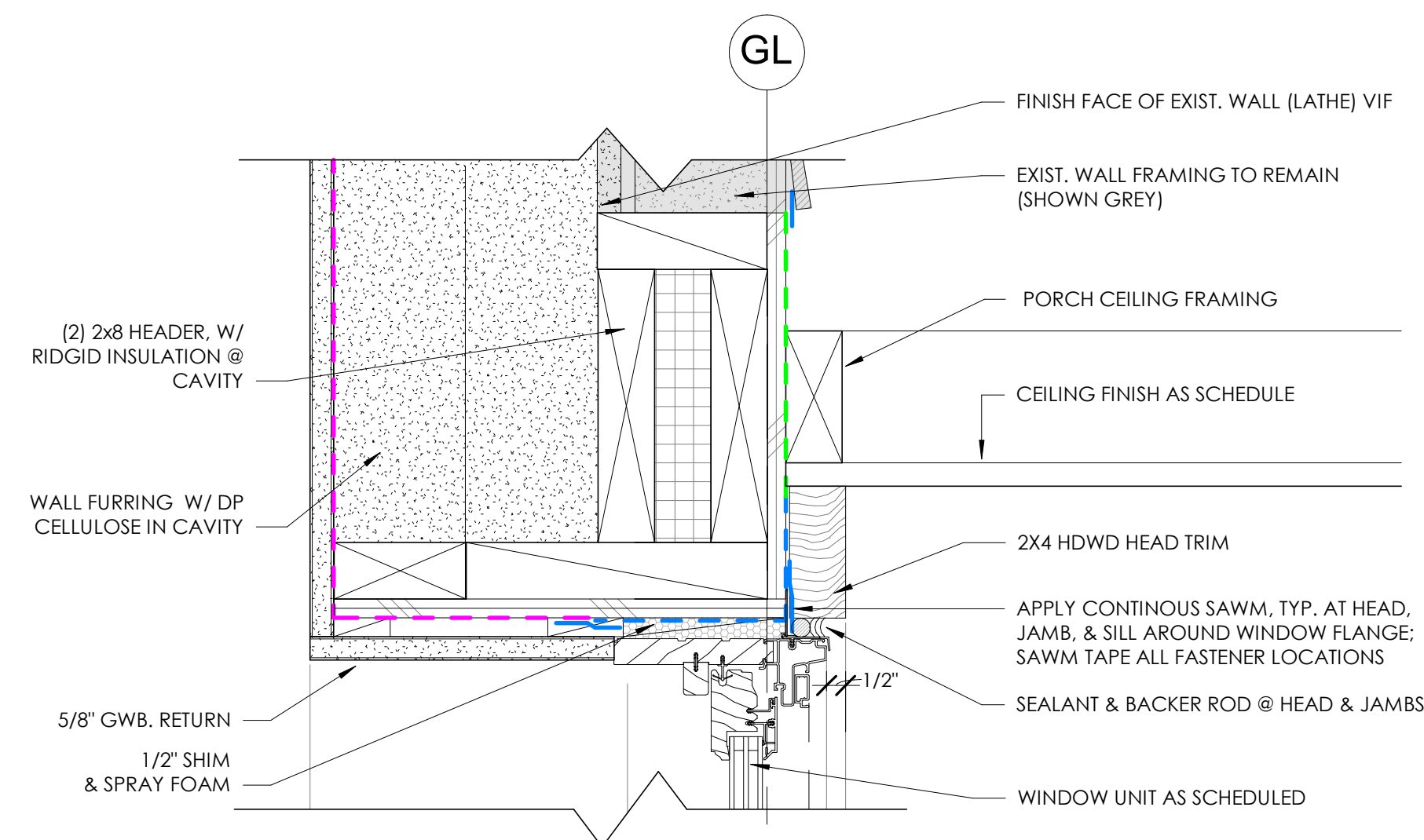
8 Typical Interior HM Door Head
1 1/2" = 1'-0"



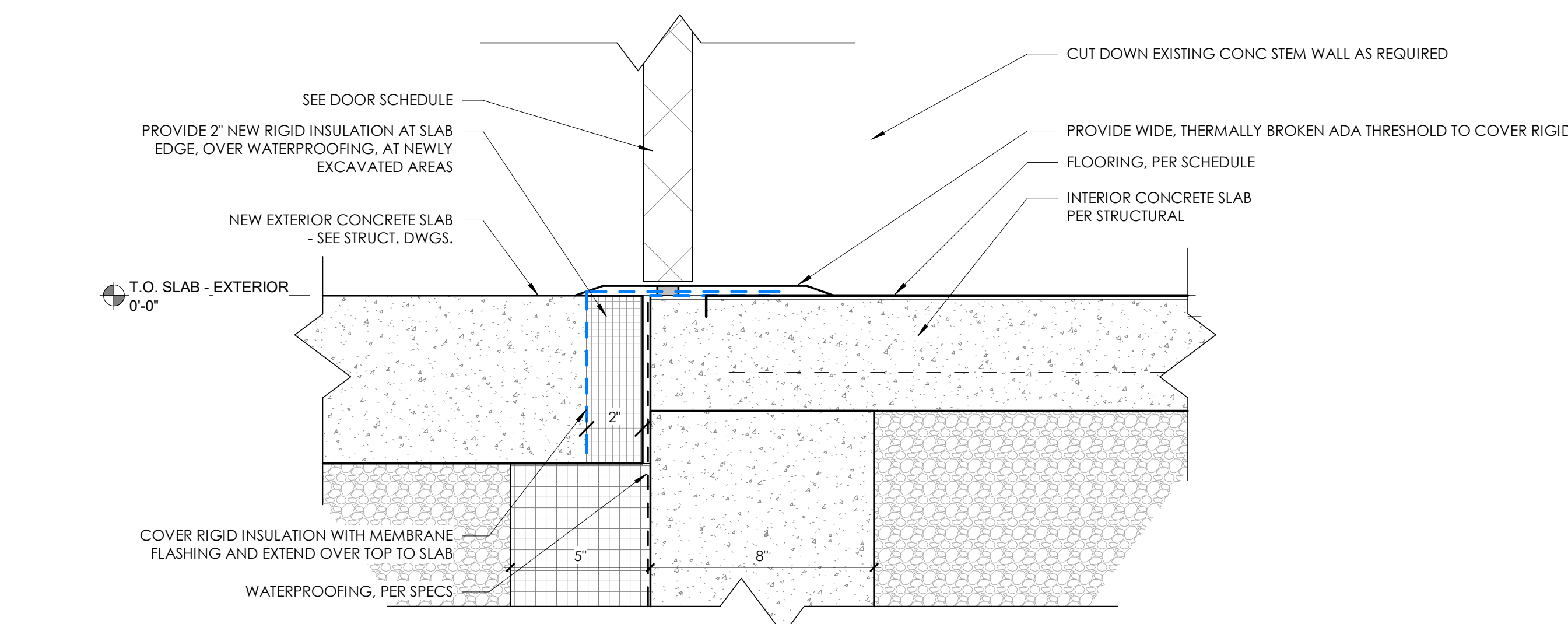
3 Typ. Window Jamb Detail
3" = 1'-0"



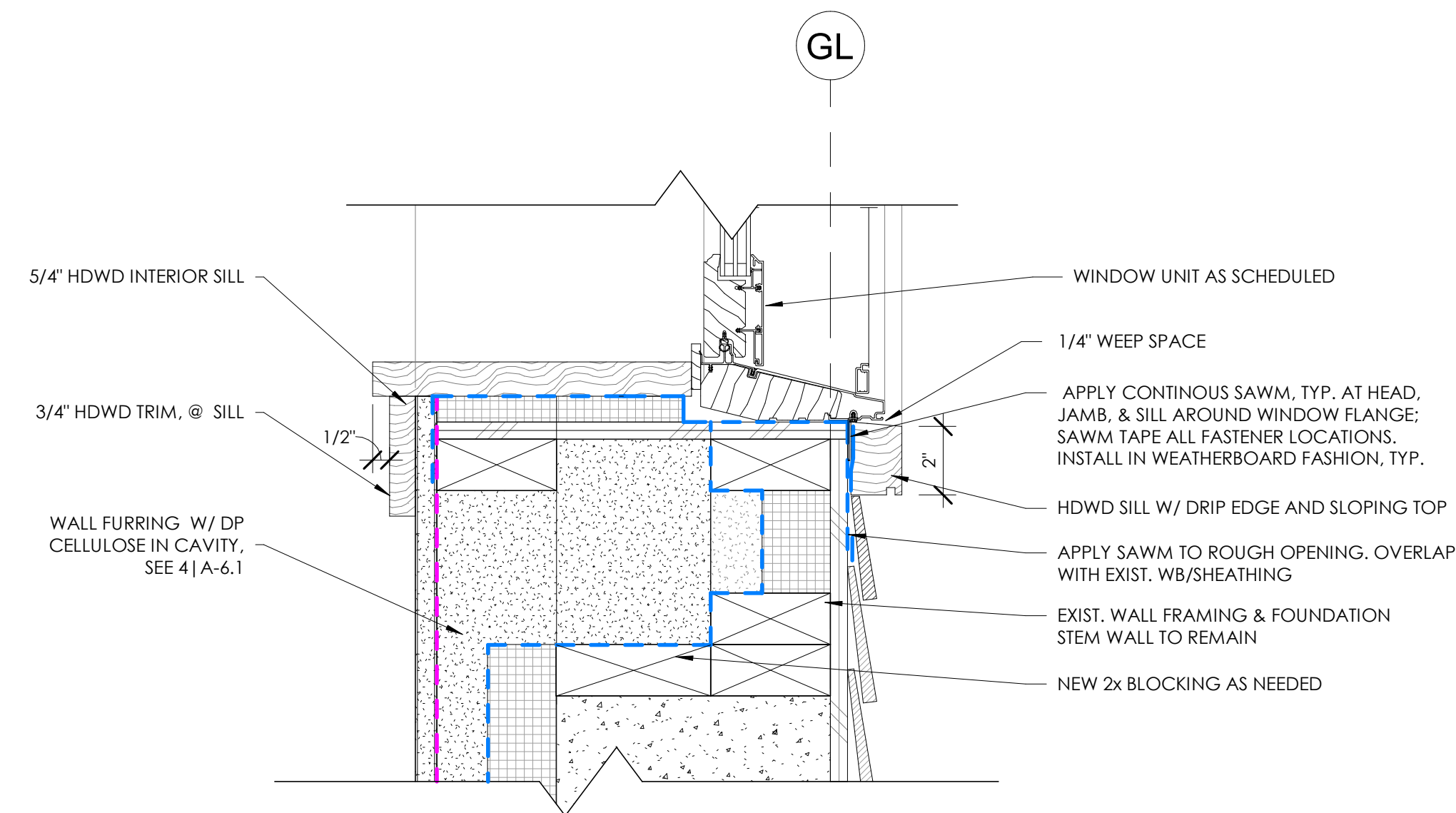
7 Door Head Detail
3" = 1'-0"



2 Window Head Detail-
3" = 1'-0"



6 Door Threshold
3" = 1'-0"



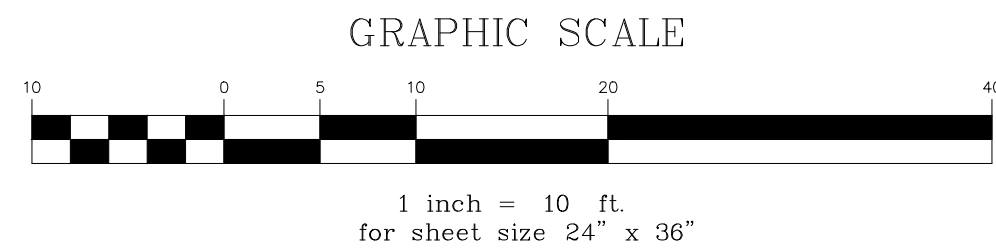
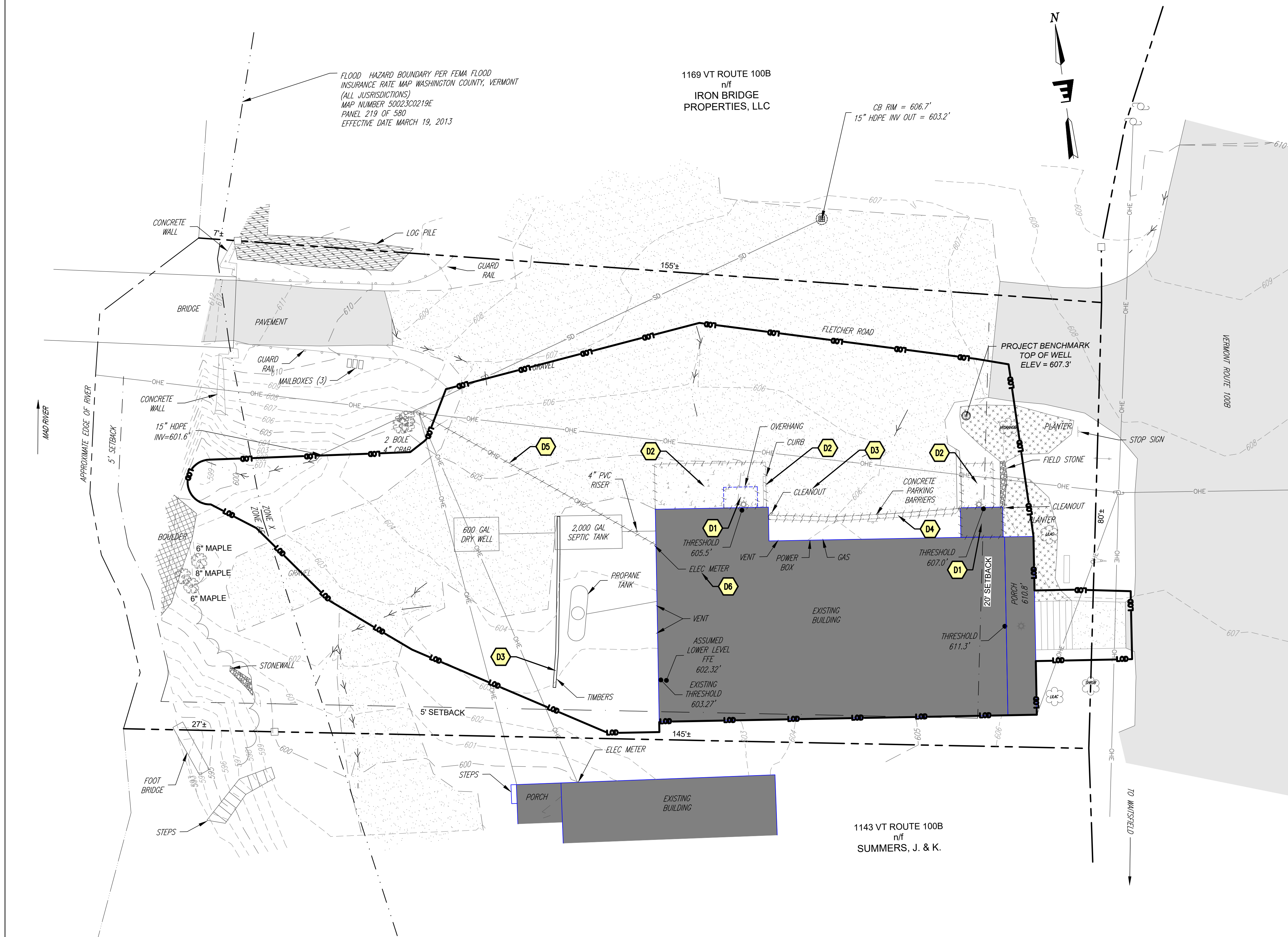
1 Window Sill at Foundation
3" = 1'-0"

1. EXISTING PHYSICAL FEATURES AND TOPOGRAPHY SHOWN HERE ARE BASED ON A SURVEY BY GILSON LAND SURVEYING PERFORMED SEPTEMBER 2023.
2. BOUNDARY LINES DEPICTED ARE APPROXIMATE. THIS IS NOT A BOUNDARY SURVEY
3. NORTH ORIENTATION IS REFERENCED TO APPROXIMATE VERMONT GRID NORTH.

4. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ANY UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS. ALL DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND ENGINEER.
2. EXACT OBJECT LOCATIONS MAY DIFFER FROM THAT AS SHOWN, AND ADDITIONAL SUB-SURFACE AND SURFACE UTILITIES AND STRUCTURES MAY EXIST. THE CONTRACTOR IS TO PROCEED WITH CARE IN EXECUTING ANY WORK AND TO CALL DIG SAFE 48 HOURS PRIOR TO DIGGING, DRILLING OR BLASTING.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT EXPLORATORY TEST PITS AS MAY BE REQUIRED TO DETERMINE UNDERGROUND CONDITIONS IN CRITICAL AREAS.
4. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL FROM THE ENGINEER.
5. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO EXISTING CONDITIONS OR BETTER AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, UNLESS NOTED OTHERWISE. ROOTS ENCOUNTERED OR TREES NOT INTENDED FOR REMOVAL ARE TO BE NEATLY PRUNED.
6. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
7. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A VERMONT LICENSED LAND SURVEYOR.
8. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST OSHA REGULATIONS FOR CONSTRUCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
10. MAINTAIN FLOW FOR ALL EXISTING UTILITIES, UNLESS NOTED OTHERWISE. THIS MAY REQUIRE BYPASS PUMPING FOR SANITARY SEWERS.
11. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS NOTED ON THE DRAWINGS AND SPECIFICATIONS.
12. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND IMPERVIOUS SURFACES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS/HER REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.

1. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL CONVEY A MEETING WITH THE PROJECT OWNER, PROJECT ENGINEER, OWNER AND LESSEES, CONTRACTOR AND REPRESENTATIVES TO REVIEW LIMITS AND SCHEDULE OF DEMOLITION AND CONSTRUCTION AND TO ENSURE CONTINUED ACCESS AND UTILITY SERVICE TO ADJACENT RESIDENTS.
2. ALL DEMOLITION ITEMS FROM THE DEMOLITION, UNLESS NOTED BY THE OWNER TO BE STORED OR REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROMPTLY REMOVED FROM THE SITE. EXCESS OR UNSUITABLE SOIL SHALL BE REMOVED FROM THE SITE. PROJECT CONTRACTOR TO PROVIDE LIST FOR OWNER'S REVIEW FOR SALVAGED EQUIPMENT ETC. FOR OWNER TO RECLAIM.
3. ALL ADJACENT FACILITIES AND STRUCTURES NOT INDICATED AS INCLUDED IN THE SCOPE OF WORK SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATELY REPAIRING OR REPLACING ALL ADJACENT FACILITIES OR STRUCTURES DAMAGED DURING CONSTRUCTION TO PRE-CONSTRUCTION CONDITION OR BETTER.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROVIDE A SAFE WORK AREA NOT ONLY DURING DEMOLITION PROCEDURES BUT FOR THE DURATION OF CONSTRUCTION.
5. PRIOR TO DEMOLITION, HAND EXCAVATE ANY UNDERGROUND UTILITIES. NOTIFY THE OWNER IF ANY OTHER UTILITIES NOT NOTED ON THE DRAWINGS ARE FOUND.
6. CARE SHALL BE TAKEN NOT TO DAMAGE OR DISTURB ANY TREES AND SITE LIGHTING NOT INDICATED FOR REMOVAL DURING CONSTRUCTION.
7. ALL EXISTING UTILITIES, FENCING AND SITE FEATURES SHOWN WITH CROSS HATCHING (- / / / / -) ARE TO BE REMOVED (MH, CB, PIPE, ETC).
8. SEED AND MULCH ALL RESULTING DISTURBED AREAS IN ACCORDANCE WITH THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN WHEN NO WORK IS ANTICIPATED WITHIN 48 HOURS.
9. REFER TO DEMOLITION SPECIFICATIONS AND BID INSTRUCTIONS FOR SALVAGE AND ADDITIONAL WORK ITEMS. CONTRACTOR SHALL COORDINATE PHASING AND DEMOLITION OF THOSE ITEMS WITH OTHER TRADES.

D1	BUILDING ELEMENTS TO BE REMOVED SEE ARCHITECTURAL PLANS
D2	REMOVE CONCRETE FEATURES
D3	MISCELLANEOUS ITEMS FOR REMOVAL
D4	RELOCATE EXISTING CONCRETE PARKING BARRIERS AS SHOWN ON SHEET C2.1
D5	DISCONNECT AND REMOVE EXISTING OVERHEAD WIRE CONTRACTOR TO COORDINATE WITH GMP FOR REMOVAL
D6	ELECTRIC METER TO BE REMOVED/RELOCATED SEE ELECTRIC PLANS FOR DETAIL



EXISTING FEATURES									
	CLEAN OUT		WATER SHUT OFF		WATERCOURSE		WATER LINE		
	MANHOLE		LIGHT POLE		TREELINE		UNDERGROUND ELECTRIC		
	CATCH BASIN		UTILITY POWER POLE		FENCE		OVERHEAD ELECTRIC		
	STORM MANHOLE		SIGN		CONTOUR		LIMITS OF DISTURBANCE		
	TAPPING SLEEVE AND VALVE		SPOT ELEVATION		PROPERTY LINE		ROOF DRAIN		
	GATE VALVE		TREE		EDGE OF PAVEMENT		FOUNDATION DRAIN		
			SURVEY POINT		SANITARY SEWER LINE		FLOOD HAZARD BOUNDARY		
			HANDICAP SYMBOL		STORM LINE		SETBACK		

ENGINEERING VENTURES^{PC}  208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-263-6225 85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-9333 414 Union Street, Schenectady, NY 12305 • 518-630-8614 www.engineeringventures.com		No.	Description	Date	Stamp
Town of Moretown 1147 Rte 100B Moretown, VT 05660 PHONE NUMBER					
Existing Conditions and Demolition Plan Project Title:		EV Project # 22440			
		Drawn By: TB			
C1.1		Checked By: KW			
		Scale: As Noted			
		Date: 2/21/2025			

SITE SCHEDULE

- C1

SEE STRUCTURAL PLANS FOR CONCRETE RETAINING WALL AND RMAP DETAILS
- C2

CONCRETE SIDEWALK
SEE DETAIL 2 SHEET C3.1
- C3

REGRADED GRAVEL PARKING AREA
CONSTRUCT SWALE THROUGH PARKING AREA TO CHANNEL RUNOFF TO CATCH BASIN ST5
- C4

ADA PARKING SIGN
- C5

BOLLARDS
- C6

NEW CONCRETE PAD TO BE INSTALLED ON TOP OF EXISTING CONCRETE PAD. MATCH THE TOP ELEVATION OF THE BOTTOM STAIR STEP, SLOPING AT 2% TOWARDS ROADWAY. MAINTAIN 12" SEPARATION FROM THE EDGE OF PAVEMENT CREATING A STEP DOWN TO THE EXISTING CONCRETE PAD.
- C7

REUSE EXISTING CONCRETE PARKING BARRIERS TO SEPARATE DRIP EDGE AND GRAVEL PARKING AREA.
- C8

CONCRETE LANDSCAPE WALL
SEE DETAIL 5 SHEET C3.1
- C9

ADA ACCESS AREA TO BE PAVED
SEE DETAIL 7 SHEET C3.1

STORMWATER SCHEDULE

- ST1

6" PERFORATED PVC UNDERDRAINS TO BE INSTALLED IN DRIP EDGE. INSTALL CLEANOUTS AT ENDS AND CHANGES IN DIRECTION. PIPE SECTIONS OUTSIDE OF CRUSHED STONE BED TO BE SOLID. SEE DETAIL 3 SHEET C3.2
- ST2

6" PVC AREA DRAIN
SEE DETAIL 7 SHEET C3.2
- ST3

CATCH BASIN
RIM: 606.90
12" HDPE INV OUT (ST4): 603.90
- ST4

6SLF OF 12" HDPE STORM LINE
- ST5

CATCH BASIN
RIM: 604.90
6" PVC INV IN: 600.37
12" HDPE INV IN (ST4): 599.83
12" HDPE INV OUT (ST6): 599.73
- ST6

73 LF OF 12" HDPE STORM LINE
- ST7

FLARED END SECTION AT DAYLIGHT
SEE DETAIL 5 SHEET C3.2

SEWER SCHEDULE

- SS1

INSTALL H2O LOADING ACCESS RISER TO GRADE FOR DRY WELL UNDER PAVEMENT
- SS2

INSTALL EFFLUENT FILTER IN THE OUTLET OF THE EXISTING SEPTIC TANK
- SS3

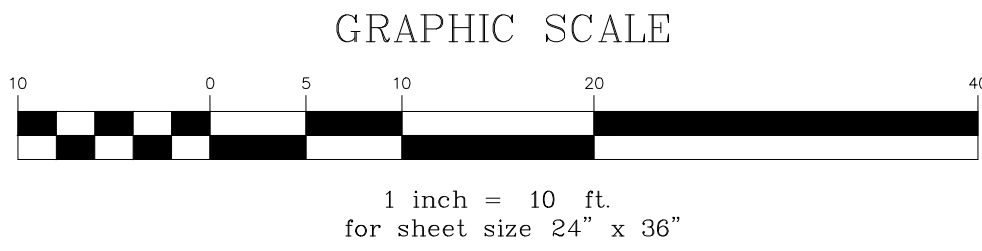
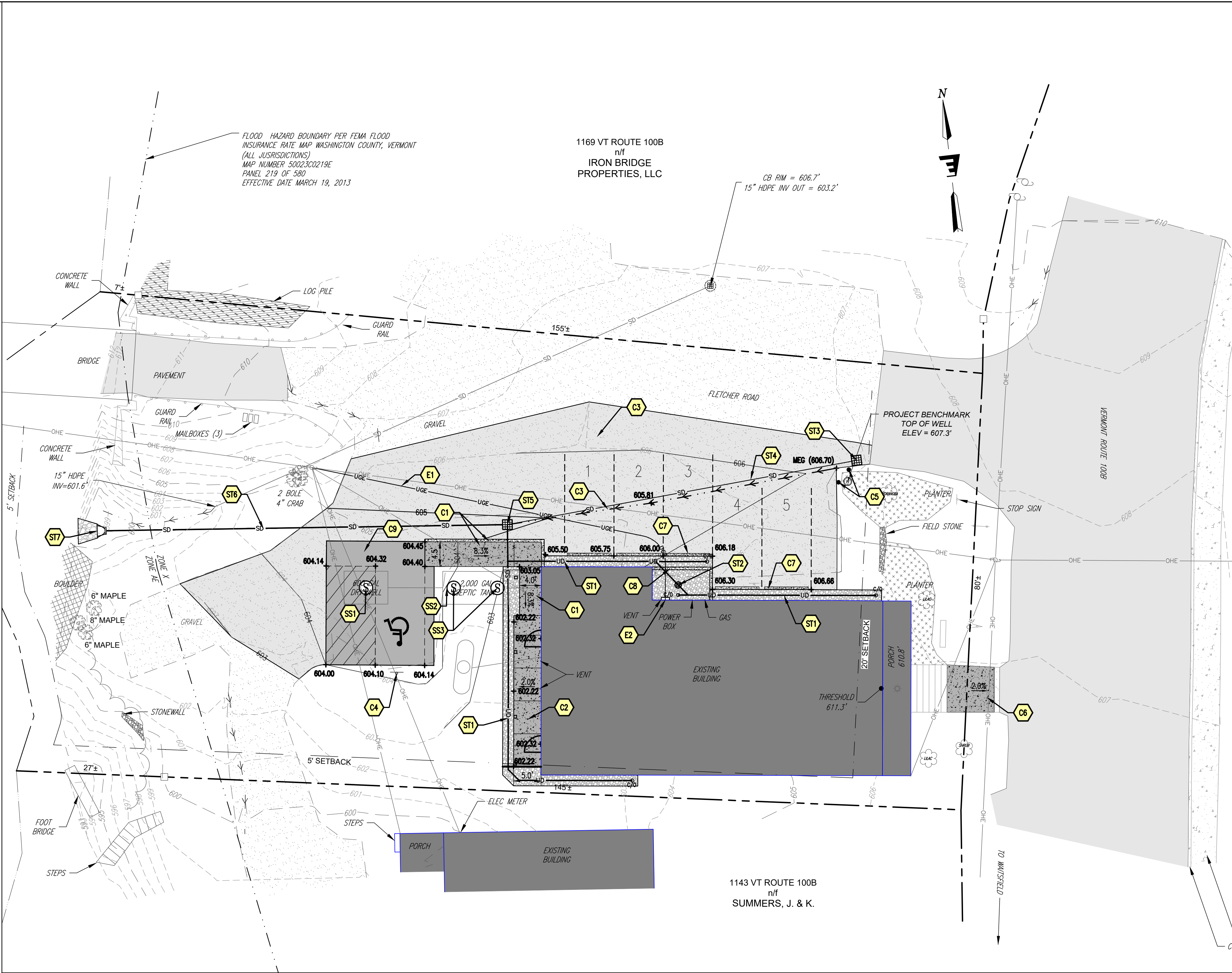
INSTALL (2) POLYLOCK ACCESS RISERS OR EQUIVALENT TO GRADE FOR SEPTIC TANK

ELECTRICAL SCHEDULE

- E1

UNDERGROUND CONDUIT FOR PRIMARY POWER
SEE DETAIL 8 SHEET C3.1
- E2

RELOCATED/NEW ELECTRIC METER
SEE ELECTRICAL PLANS SHEET E3.0



LEGEND

EXISTING FEATURES	PROPOSED FEATURES	EXISTING FEATURES	PROPOSED FEATURES	EXISTING FEATURES	PROPOSED FEATURES	EXISTING FEATURES	PROPOSED FEATURES
C/O	CLEAN OUT	C/O	WATER SHUT OFF	WATERCOURSE	W	WATER LINE	W
MANHOLE	MANHOLE	LIGHT POLE	LIGHT POLE	TREELINE	UGE	UNDERGROUND ELECTRIC	E
CATCH BASIN	CATCH BASIN	UTILITY POWER POLE	UTILITY POWER POLE	FENCE	OHE	OVERHEAD ELECTRIC	OHE
STORM MANHOLE	STORM MANHOLE	SIGN	SIGN	CONTOUR	UT	UNDERGROUND TELEPHONE	UT
TAPPING SLEEVE AND VALVE	TAPPING SLEEVE AND VALVE	SPOT ELEVATION	SPOT ELEVATION	PROPERTY LINE	RD	ROOF DRAIN	RD
GATE VALVE	GATE VALVE	TREE	TREE	EDGE OF PAVEMENT	FD	FOUNDATION DRAIN	UD
		SURVEY POINT	SURVEY POINT	SANITARY SEWER LINE	S	RIGHT-OF-WAY LINE	S
		HANDICAP SYMBOL	HANDICAP SYMBOL	STORM LINE	SD	SETBACK	SD

Stamp

Date

Description

No.

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Town of Moretown
1147 Rte 100B
Moretown, VT 05660
PHONE NUMBER

Site Plan

Moretown Town Office Renovation
Moretown, Vermont

Sheet Title:

Project Title:

EV Project #

22440

Drawn By:

TB

Checked By:

KW

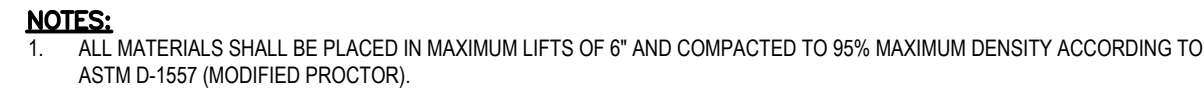
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As Noted

Date:

2/21/2025

C2.1



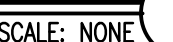
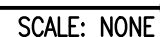
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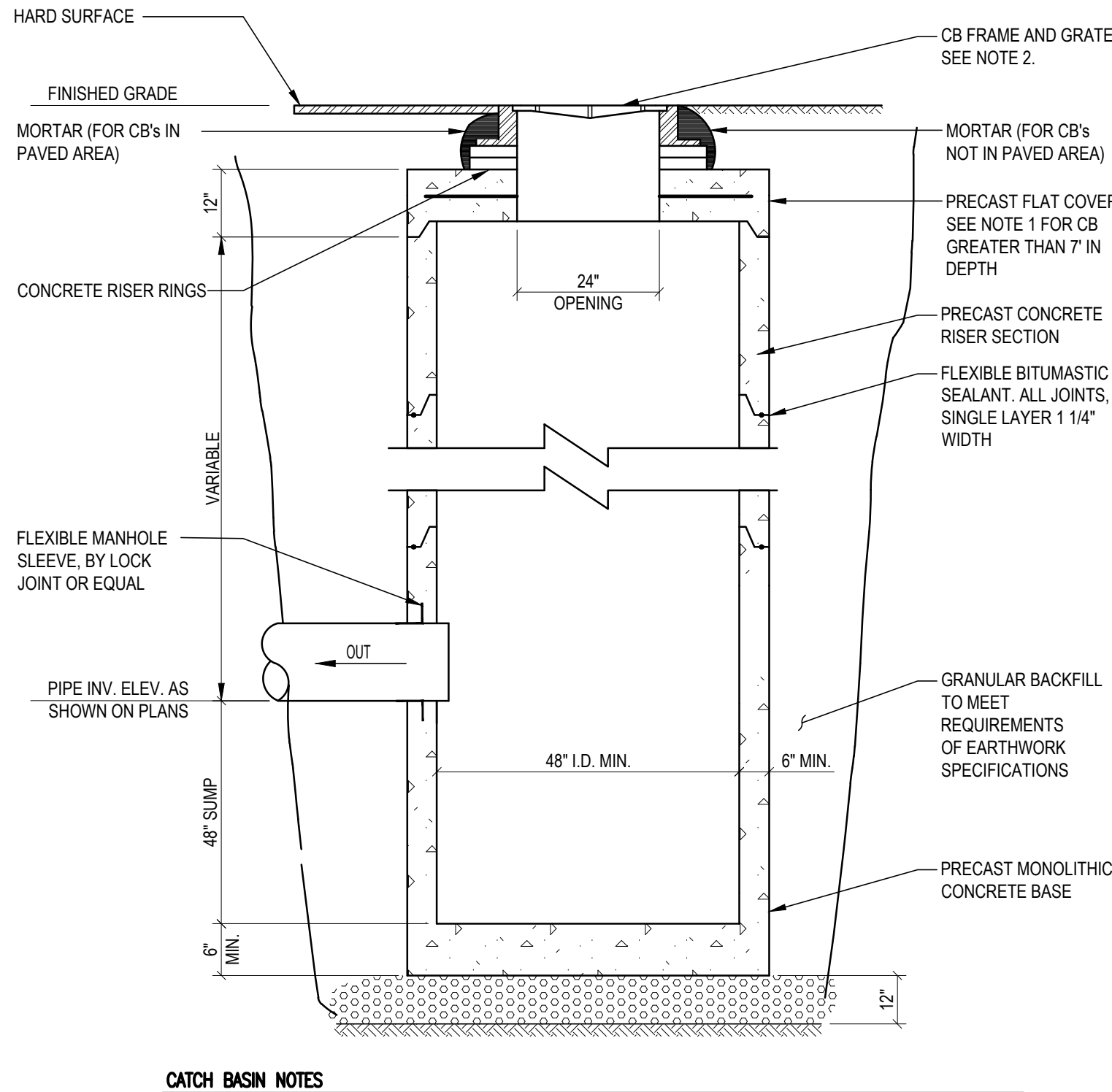
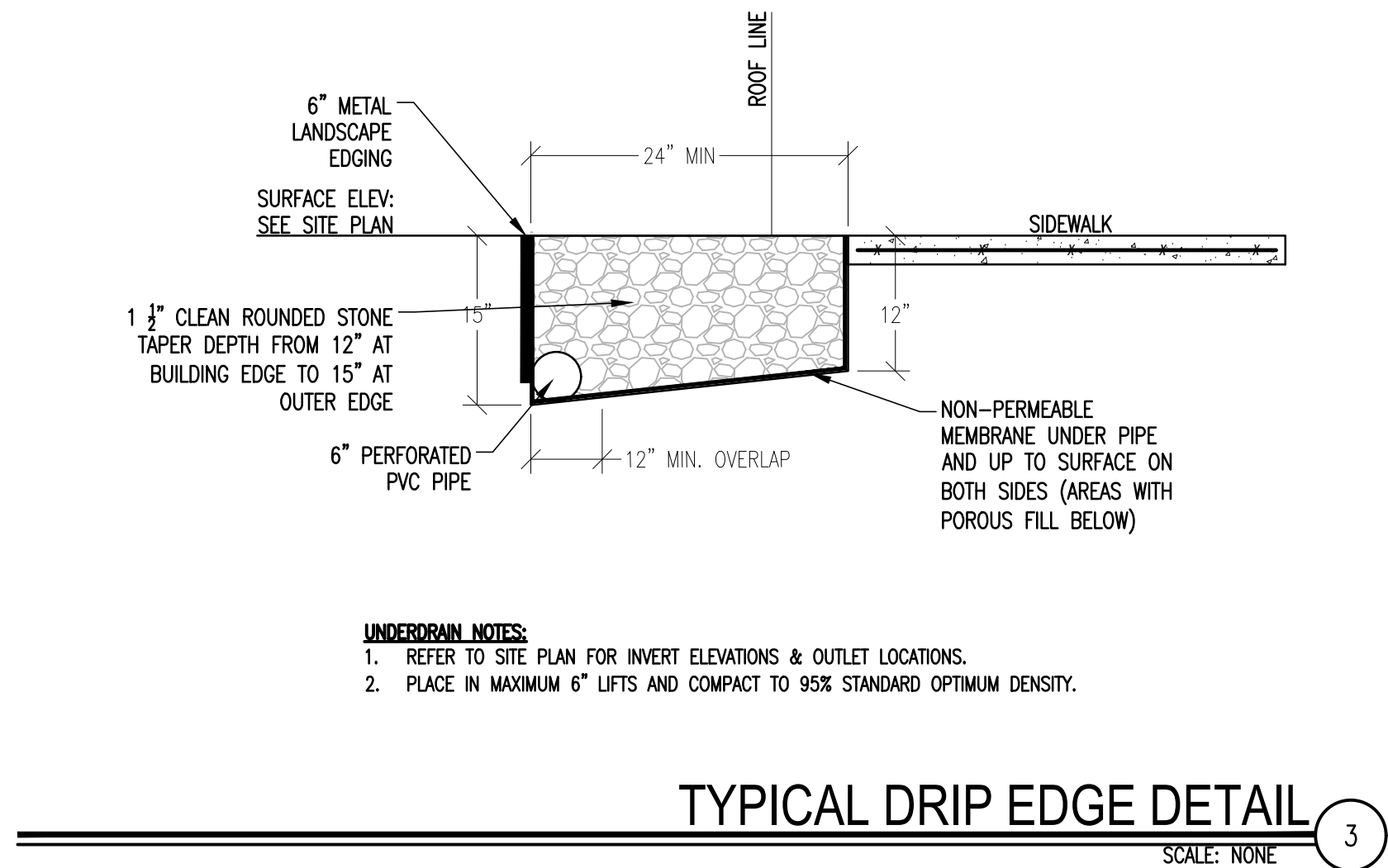
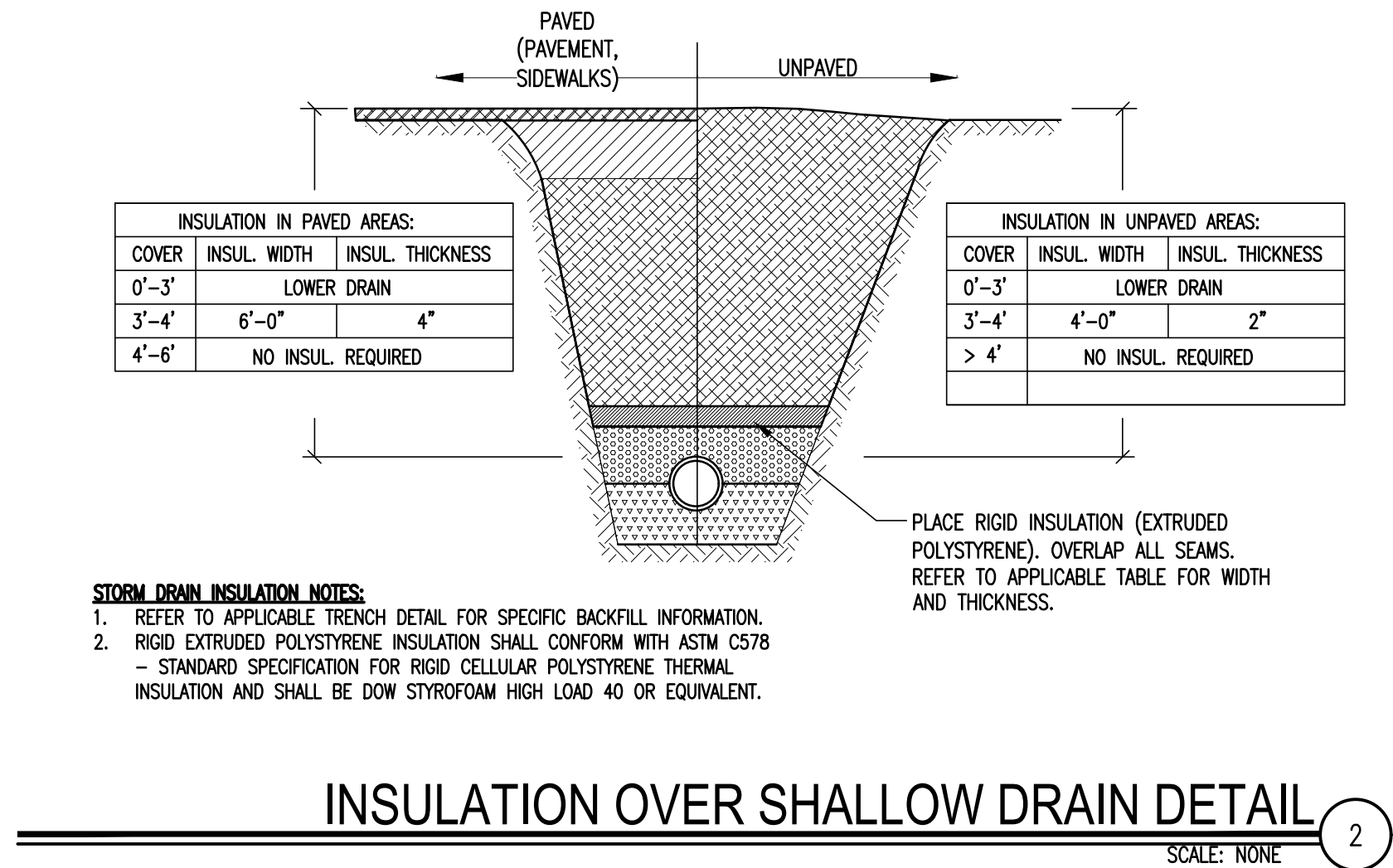
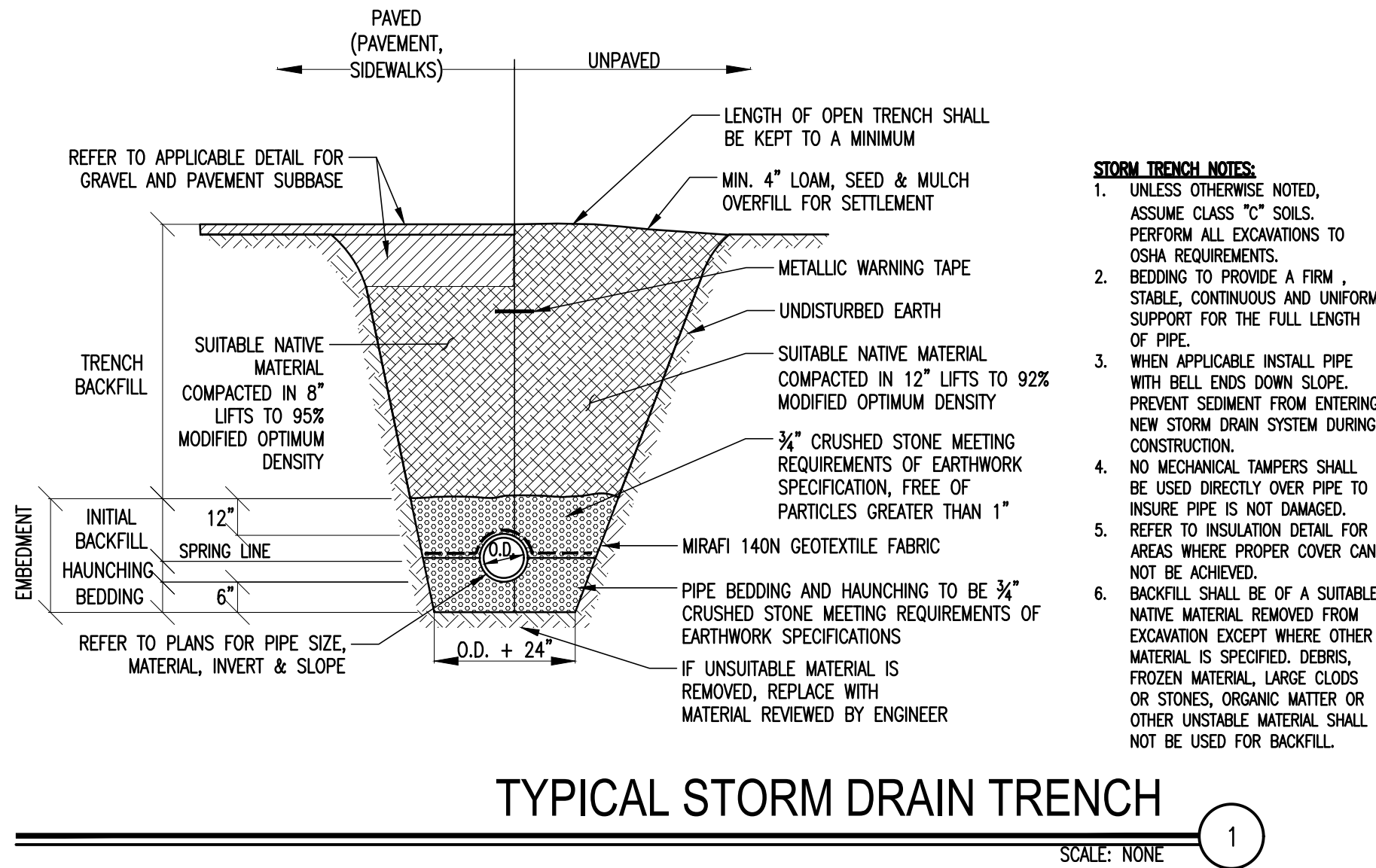


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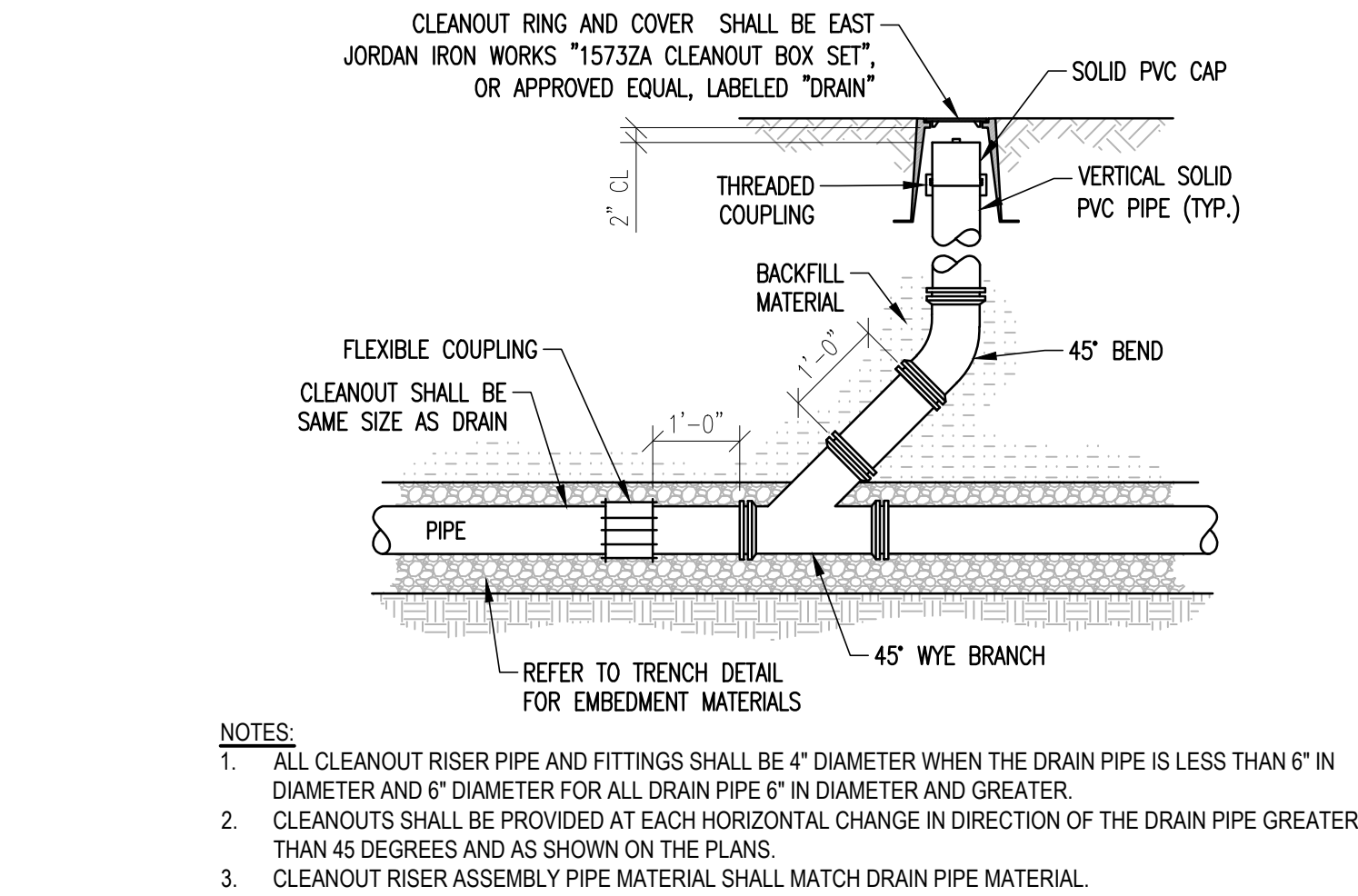
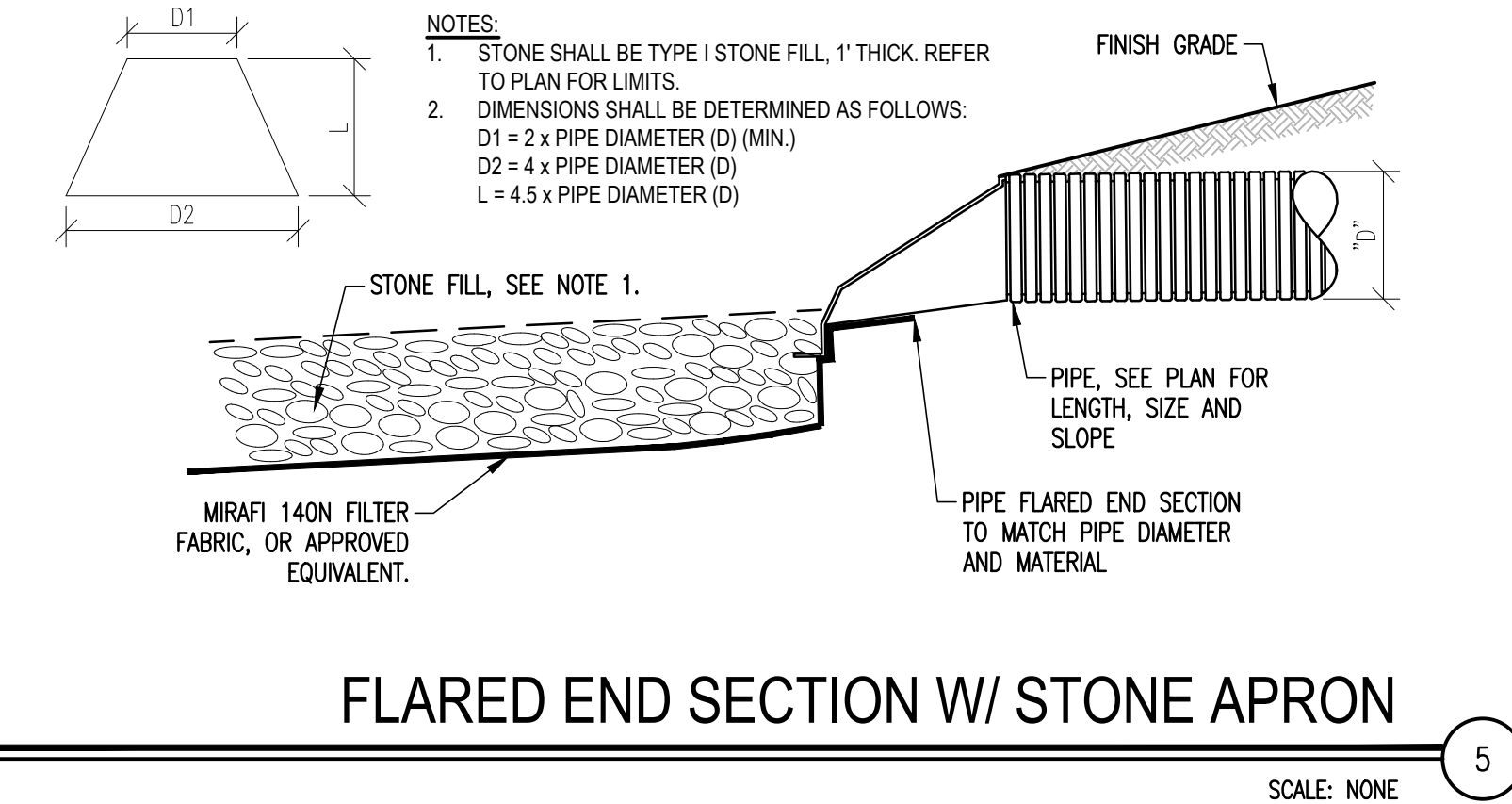


2" CRUSHED STONE	3 INCH
	2 INCH
	1 INCH
	1/4" INCH

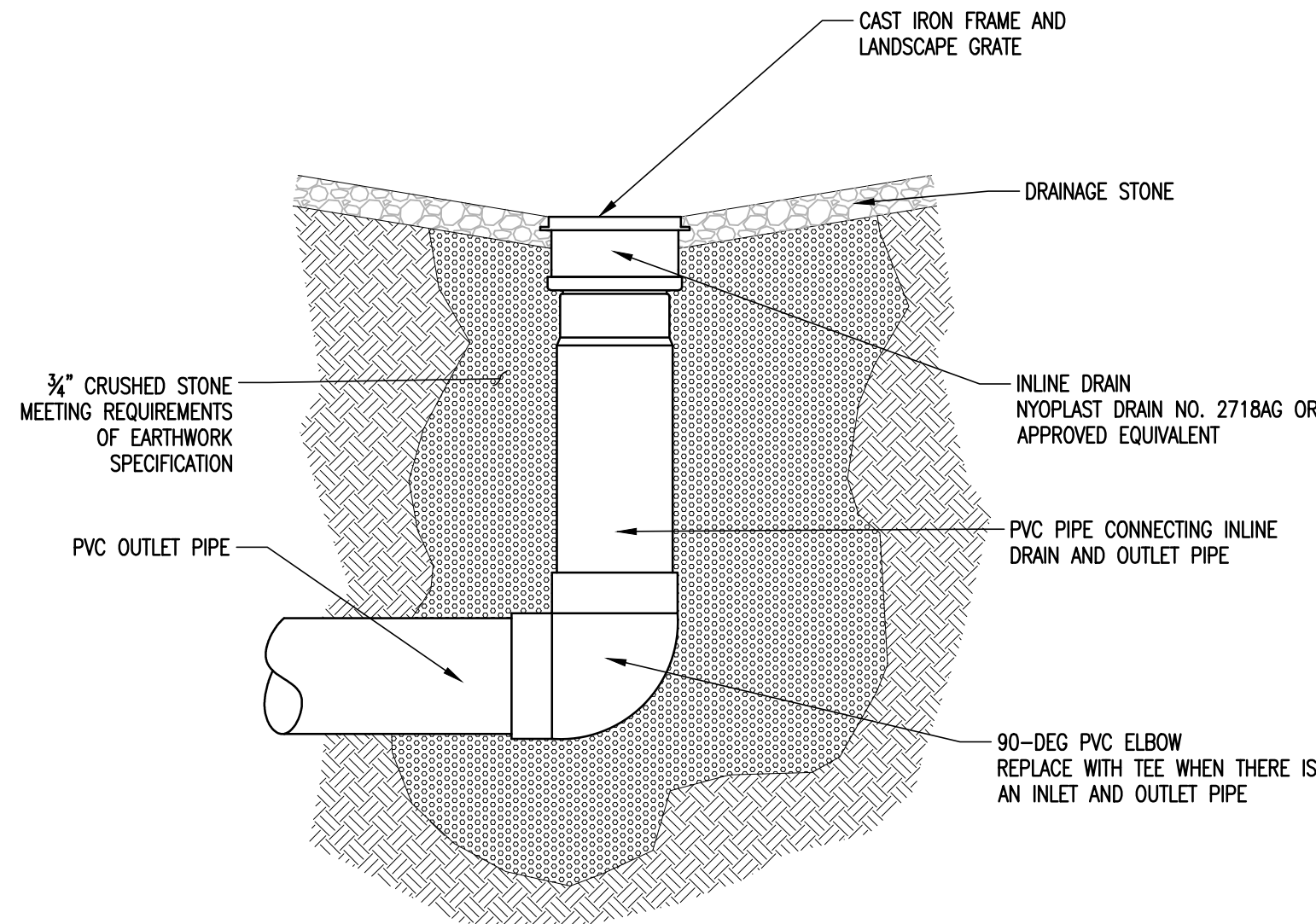




STORM CATCH BASIN DETAIL



STORM DRAIN CLEANOUT DETAIL



AREA/YARD DRAIN DETAIL

Stamp	
Date	
Description	
No.	

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Town of Moretown
1147 Rte 100B
Moretown, VT 05660
PHONE NUMBER

Storm Details

Moretown Town Office Renovation
Moretown, Vermont

Sheet Title:	
Project Title:	
EV Project #	22440
Drawn By:	TB
Checked By:	KW
Scale:	As Noted
Date:	2/21/2025

C3.2

A. GENERAL NOTES

- ALL STRUCTURAL WORK SHALL CONFORM TO THE PROJECT DRAWINGS, AND THE 2015 VERMONT FIRE AND BUILDING SAFETY CODE (ADOPTING IBC 2015 WITH AMENDMENTS).
- CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH RELATED TRADES AND WITH OTHER DESIGN DISCIPLINE REQUIREMENTS PRIOR TO MAKING SUBMITTALS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
- REFER TO OTHER DESIGN DISCIPLINE DRAWINGS FOR ADDITIONAL INFORMATION REQUIRED FOR THE SUBMITTALS AND INSTALLATION OF STRUCTURES, INCLUDING BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, SLOPES, LOCATIONS OF OTHER SYSTEMS AND EQUIPMENT, OPENINGS, WALLS, STAIRS, FINISHES, COATINGS, AND OTHER NON-STRUCTURAL ITEMS.
- DETAILS LABELED AS TYPICAL DETAILS ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH TYPICAL DETAILS SHALL APPLY WHETHER OR NOT THEY ARE DEMARKED AT EACH LOCATION IN THE DRAWINGS. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTALS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATION DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY IN ACCORDANCE WITH GENERAL CONDITIONS; AND FOR PERFORMING ALL WORK IN A SAFE AND SECURE MANNER IN ACCORDANCE WITH GOVERNING JOB SAFETY STANDARDS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE SITE, INCLUDING LOCATIONS OF ALL EXISTING STRUCTURES AND EXISTING UTILITIES ABOVE AND BELOW GROUND (AS ANY INFORMATION SHOWN IS APPROXIMATE AND NOT NECESSARILY COMPLETE.) CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
- LOADS APPLIED DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS NOTED ON THE DRAWINGS OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTIONS AS DETERMINED BY THE CONTRACTOR. THE STRUCTURAL ELEMENTS OF THE PROJECT AS SHOWN IN THE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED FOR THE SPECIFIED VERTICAL AND LATERAL FORCES ACTING ON THE COMPLETED BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE ALL REQUIRED SHORING AND BRACING NEEDED DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF THE PARTIALLY-COMPLETED STRUCTURE AND FOR CONSTRUCTION LOADINGS THAT EXCEED THE SPECIFIED DESIGN LOADS
- SHORING, BRACING, PROTECTING, AND MAINTAINING THE INTEGRITY OF ANY EXISTING, ADJACENT, AND/OR ONGOING PARTIALLY COMPLETED STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.

B. EXISTING BUILDING NOTES

- DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND DETAILS OF EXISTING STRUCTURE SHOWN IN THE STRUCTURAL DRAWINGS HAVE BEEN EXTRACTED FROM RECORD DRAWINGS AND LIMITED FIELD MEASUREMENTS. AS SUCH THEY ARE NOT TO BE CONSIDERED SUITABLY ACCURATE FOR ANY CONSTRUCTION WORK SHOWN, INCLUDING FABRICATIONS, SUBMITTALS, ETC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING CONSTRUCTION, INCLUDING PLUMBNESS OR FLATNESS OF WALLS, FLOORS, ETC. AT THE JOB SITE PRIOR TO SUBMITTAL. FABRICATION OR CONSTRUCTION WORK. ANY DEVIATIONS FOUND IN THE FIELD FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION.
- TEMPORARY SHORING AND BRACING OF FLOORS, WALLS, AND OTHER STRUCTURAL ELEMENTS OF THE EXISTING BUILDINGS REQUIRED TO ACHIEVE THE INSTALLATION OF NEW AND/OR THE REMOVAL OF EXISTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL, AT THEIR DISCRETION AND WHERE SPECIFIED, PROVIDE ENGINEERING DESIGN SERVICES FOR DESIGN OF TEMPORARY BRACING, SHORING AND PROTECTION. EXISTING BUILDING MOVEMENTS SHALL BE LIMITED TO PREVENT DISTRESS FROM OCCURRING.
- REPORT EXISTING CONDITIONS UNCOVERED, REVEALED, FOUND OR DEVELOPED DURING CONSTRUCTION INDICATIVE OF STRUCTURAL INTEGRITY LOSS OR DETERIORATION, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
- DO NOT CUT, DRILL OR ALTER ANY EXISTING STRUCTURAL ELEMENTS UNLESS SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS WITHOUT NOTIFY THE ARCHITECT FOR REVIEW, INCLUDING TEMPORARY MEASURES OR FOR THE INSTALLATION OF OTHER DESIGN DISCIPLINE WORK.
- MONITORING OF CONSTRUCTION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO FIRE WATCH DURING AND AT LEAST 24 HOURS AFTER ALL STEEL WELDING OR DRILLING, WOOD DRILLING, AND HEAT TRANSFERRING CONSTRUCTION MEASURES. DO NOT ALLOW HEAT OR ENERGY FROM EQUIPMENT TO DAMAGE OR OTHERWISE ALTER EXISTING STRUCTURAL ELEMENTS TO REMAIN.
- FOR EXISTING STEEL ELEMENTS, DO NOT ALLOW THE THROUGH THICKNESS TEMPERATURE OF THE STEEL TO EXCEED 300° FAHRENHEIT DURING WELDING PROCESSES UNLESS SPECIFICALLY NOTED OTHERWISE. USE ACTIVE, OBSERVABLE SURFACE MONITORING METHODS.

C. CAST-IN-PLACE CONCRETE

- CODES AND STANDARDS: COMPLY WITH THE PROVISIONS OF THE LATEST EDITIONS OF:
 - A. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
 - B. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
 - C. ACI 304 "GUIDE FOR MIXING, TRANSPORTING AND PLACING CONCRETE"
 - D. ACI 305 "HOT WEATHER CONCRETING"
 - E. ACI 306 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING"
 - F. ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE".
- CONCRETE TESTING: THE CONTRACTOR SHALL PREPARE A SET OF 4 CYLINDERS/TEST SET TO BE TESTED AT AN INDEPENDENT LABORATORY. THE CYLINDERS SHALL BE TAKEN FROM ONE CONCRETE TRUCK AND LABELED WITH DATE, TRUCK NUMBER, AND LOCATION OF CONCRETE PLACEMENT. EACH SAMPLE SHALL ALSO BE TESTED FOR SLUMP, AIR CONTENT, AND TEMPERATURE. THE CYLINDERS SHALL BE TESTED AS FOLLOWS: 1 AT 7 DAYS; 2 AT 28 DAYS; AND A THIRD HELD FOR A 56 DAY BREAK IF REQUIRED. TEST CYLINDERS SHALL BE TAKEN AT LEAST ONCE PER PLACEMENT OR AT THE FOLLOWING INCREMENTS:
 - A. WALLS AND FOOTINGS: 50 CUBIC YARDS
 - B. ISOLATED FOOTINGS: 25 CUBIC YARDS
 - C. SLABS: 50 CUBIC YARDSFIELD TESTING SHALL BE PERFORMED BY A GRADE I ACI (MINIMUM) FIELD TESTING TECHNICIAN.
- SUBMIT MIX DESIGN AND EITHER TRIAL MIX DESIGNS OR HISTORIC FIELD DATA FOR APPROVAL IN ACCORDANCE WITH ACI 318, CHAPTER 5. INCLUDE TECHNICAL DATA SHEETS, GRADATIONS, AND MATERIAL VERIFICATIONS ON ALL COMPONENTS. SUBMIT MIX DESIGNS, PRIOR TO PLACEMENT OF CONCRETE, TRANSIT MIX SHALL CONFORM TO ASTM C94.
- COMPRESSIVE MIXTURES AS DELINEATED IN TABLE BELOW. SEE NOTES BELOW FOR ADDITIONAL INFORMATION.
 - A. SLUMP: 3"-5" BEFORE ADDITION OF WATER REDUCER, 6"-8" AFTER ADDITION OF WATER REDUCER
 - B. ALL CONCRETE NORMALWEIGHT, UNLESS NOTED OTHERWISE.
- MAXIMUM AGGREGATE SIZE IN ACCORDANCE WITH ACI 301; CLEARLY NOTE LOCATION WHERE AGGREGATES GREATER THAN 3/4" MAXIMUM SIZE ARE PROPOSED FOR USE.
- NO CHLORIDE OR OTHER UNAUTHORIZED ADMIXTURES SHALL BE USED. MAINTAIN MAXIMUM WATER SOLUBLE CHLORIDE ION (CL-) IN CONCRETE, BY WEIGHT OF CEMENT AT LESS THAN 1.00 FOR NON-EXPOSED CONCRETES AND 0.30 FOR EXTERIOR EXPOSED CONCRETES
- WHEN AMBIENT TEMPERATURE IS BELOW 40° FAHRENHEIT OR MORE THAN 90° FAHRENHEIT PLACE AND PROTECT CONCRETE IN ACCORDANCE WITH ACI STANDARDS LISTED ABOVE.
- CONCRETE PLACEMENT MAY REQUIRE ADJUSTMENT OF REINFORCEMENT, EMBEDDED ITEMS OR ANCHOR BOLTS. REVIEW DRAWINGS IDENTIFY THESE LOCATIONS TO ARCHITECT PRIOR TO SUBMITTALS. PROVIDE ADDITIONAL SUPERVISION AT ALL STEEL TO CONCRETE CONNECTION LOCATIONS AND MODIFY PLACEMENT MEASURES TO ACCOUNT FOR CONGESTIONS.
- COMPLY WITH ACI CODES AND PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT PERMIT COLD JOINTS TO OCCUR.
- CURING: COVER OR WET CURE ALL ELEMENTS. BEGIN INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM EXPOSED SURFACES. WHERE POSSIBLE, KEEP CONTINUOUSLY WET FOR 72 HOURS. CONTINUE CURING BY USE OF MOISTURE RETAINING COVER. USE OF MEMBRANE-FORMING CURING COMPOUNDS IS PROHIBITED.
- PROVIDE CONTROL AND CONSTRUCTION JOINTS BY DETAIL REQUIREMENTS. SHOW LOCATION ON REINFORCING SUBMITTAL FOR COORDINATION WITH FLOORING, EQUIPMENT AND OTHER CONTRACTOR REQUIREMENTS.
 - A. SLABS SAW-CUT CONTROL JOINTS AS SOON AS CONCRETE HAS HARDENED ENOUGH TO WALK ON SURFACE WITHOUT DAMAGING CONCRETE AND NO MORE THAN 4 HOURS AFTER FINAL TROWEL. JOINT SPACING SHALL, UNLESS NOTED OTHERWISE, NOT EXCEED 36 TIMES THE SLAB THICKNESS OR 18 FEET
 - B. WALLS CONTROL JOINTS, NOT EXCEEDING 20 FEET AND AT EACH INTEGRAL PILASTER. CONSTRUCTION JOINTS AT 80 FEET OF MAXIMUM SPACING.

D. CONCRETE REINFORCEMENT

- SHOP DRAWINGS SHALL BE PROVIDED PRIOR TO START OF CONCRETE PLACING AND BE IN ACCORDANCE WITH:
 - A. ACI 301
 - B. ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
 - C. ACI SP-86 "ACI DETAILING MANUAL"
 - D. CRSI MSP "MANUAL OF STANDARD PRACTICE"SHOW ALL SLABS IN PLAN AND ALL WALLS IN ELEVATION WITH OPENINGS AND PENETRATIONS SHOWN BASED ON MEP COORDINATION SUBMITTALS AND ARCHITECTURAL REQUIREMENTS. SUBMIT PROPOSED CONTROL AND CONSTRUCTION JOINTS FOR REVIEW ON REINFORCING SUBMITTALS
- REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60, STEEL BARS PER ASTM A305, UNLESS NOTED OTHERWISE.
- WHERE SPECIFICALLY SHOWN ON THE DRAWINGS, WELD REINFORCING BARS IN ACCORDANCE WITH AWS D1.4 PRE-QUALIFIED JOINT. ELECTRODE 900 LOW HYDROGEN) AND PROCESS REQUIREMENTS INCLUDING COORDINATED WITH MILL CERTIFIED CARBON EQUIVALENT. ALTERNATIVELY, ASTM A706, GRADE 60 MAY BE SUBSTITUTED, INDICATE MATERIAL AND WELDING REQUIREMENTS ON SUBMITTAL. DO NOT WELD AT LOCATIONS NOT DETAILED, UNLESS SUBMITTED AND REVIEWED BY ARCHITECT.
- FIELD BENDING OR REINFORCEMENT SHALL CONFORM TO ACI 301, INCLUDING PRE-HEAT REQUIREMENTS.
- WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI. LAP ONE CROSS WIRE SPACING PLUS 2". SUPPORT MESH ON CHAIRS PER CRSI WITH #4 AT 4'-0"oc, EACH WAY.
- PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:
 - A. BOTTOM OF FOOTINGS, GRADE BEAMS, AND SLABS-ON-GRADE: 3"
 - B. SIDES OF FOOTINGS AND GRADE BEAMS: 2"
 - C. FOUNDATION WALLS, FROST WALLS, RETAINING WALLS, PIT WALLS: 2"
 - D. EXTERIOR WALLS (EXPOSED TO WEATHER): 2"
 - E. FOUNDATION PIERS: 2" TO TIES
- ALL LAPS SHALL BE FULL TENSION LAPS (CLASS B SPLICE) UNLESS SPECIFICALLY NOTED OTHERWISE. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT, UNLESS OTHERWISE NOTED.
- CHAIRS AND SPACERS SHALL BE PLACED TO ADEQUATELY SUPPORT REINFORCING DURING PLACEMENT. FOREIGN MATERIALS SUCH AS WOOD, CLAY BRICK OR OTHER UNSUITABLE SUPPORTS SHALL NOT BE USED TO SUPPORT REINFORCING. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE WHERE CONCRETE WILL BE EXPOSED. DO NOT USE CONCRETE SUPPORTS OR PUDDLING FOR SLABS UNLESS SUBMITTED AND ACCEPTABLY REVIEWED.

E. CONCRETE FORMWORK

- CONCRETE FORMS SHALL BE CLEAN AND FREE FROM DEBRIS. IF FORMS ARE COATED WITH A VEGETABLE BASED (SOY) RELEASE AGENT, WHICH SHALL NOT STAIN CONCRETE OR ABSORB MOISTURE OR IMPAIR NATURAL BONDING OF CONCRETE.
- COORDINATE WITH REINFORCING SUBMITTAL FOR OPENING AND ADDITIONAL REQUIREMENTS. SUBMIT, BEFORE FRAMING OPENINGS IN STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED ON DRAWINGS.
- PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK FOR PLACEMENT OPERATIONS. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND IMPOSED LOADS.
- ALL WALL SIDES AND SLAB EDGES EXPOSED TO VIEW TO HAVE CLASS A - CLASS OF SURFACE. SEE ARCHITECTURE FOR ADDITIONAL REQUIREMENTS.

F. FOUNDATION RELATED EARTHWORK

- IBC CHAPTER 18 "SOILS AND FOUNDATION" REQUIREMENTS APPLY, UNLESS SPECIFICALLY NOTED OTHERWISE BY THE GEOTECHNICAL REPORTING OR DRAWINGS. REPORT CONFLICTS BETWEEN THE REPORTING AND THE DRAWINGS TO THE ARCHITECT PRIOR TO COMMENCING ANY AFFECTED WORK.
- A LICENSED GEOTECHNICAL ENGINEER SHALL INSPECT AND REPORT ON ALL NATIVE SUB-GRADES FOR SLABS-ON-GRADE AND FOUNDATION PREPARED SOIL SURFACES PRIOR TO THE PLACEMENT OF ANY BACKFILL, FILL, AND FOUNDATION STRUCTURAL ELEMENTS. FOUNDATIONS AND FOOTING SHALL BEAR ON COMPETENT NATIVE SOILS OR COMPACTED STRUCTURAL FILLS IN ACCORDANCE WITH THE GEOTECHNICAL REPORTING.
- FOOTINGS AND SLABS CAST DIRECTLY AGAINST THE EARTH SHALL BE SIDE-FORMED AS REQUIRED TO KEEP EARTH OUT OF THE CONCRETE. COMPACT DISTURBED LOAD BEARING SOIL IN DIRECT CONTACT WITH FOUNDATIONS TO ORIGINAL BEARING CAPACITY. AS WET WEATHER OR GROUND CONDITIONS WARRANT, PLACE A MINIMUM OF 6 INCHES OF CRUSHED STONE OR 12 INCHES OF SAND-GRAVEL WRAPPED IN GEOTEXTILE FABRIC FOR SUBGRADE PROTECTION BENEATH FOUNDATIONS. DO NOT ALLOW FOR STANDING WATER ON EARTH. IF OVER-EXCAVATION OCCURS, REPLACE MATERIAL WITH BACKFILL MEASURES SPECIFIED FOR USE UNDER FOUNDATIONS, AFTER ACCEPTANCE BY GEOTECHNICAL ENGINEER.
- UNLESS NOTED OTHERWISE, PLACE AND COMPACT BACKFILL IN EQUAL CONTINUOUS LAYERS NOT EXCEEDING A MAXIMUM OF 8" OF COMPACTED DEPTH FOR HAND-HELD COMPACTION EQUIPMENT AND A MAXIMUM OF 12" INCHES COMPACTED DEPTH FOR VIBRATORY ROLLERS. MAINTAIN OPTIMUM MOISTURE CONTENT OF BACKFILL MATERIALS TO ATTAIN COMPACTION DENSITY.
- AT EARTH RETAINING AND FOUNDATION WALLS, BACKFILL LIFTS TO NOT EXCEED 12 INCH DIFFERENCE IN ELEVATION UNTIL FINAL ELEVATION ARE REACHED ON BOTH SIDES OF THE WALL. AT BASEMENT WALLS, DO NOT BACKFILL UNTIL GROUND FLOOR AND CONNECTED ELEVATED FRAMED LEVELS SLABS HAVE BEEN COMPLETED AND THE CONCRETE AT WALLS AND FLOORS HAS ACHIEVED FULL DESIGN STRENGTH.
- THE CONSTRUCTION CONSIDERATIONS I SHALL APPLY TO THIS PROJECT, INCLUDING BUT NOT LIMITED TO PROOFROLLING SUBGRADES AT THE EXCAVATION AND/OR BEARING ELEVATIONS; REMOVING AND REPLACING LOOSE OR SOFT POCKETS, FILL SLOPE CONSTRUCTIONS, ETC.
- BACKFILL REQUIREMENTS:
 - A. FILL WITHIN BUILDING ENVELOPE AND EXTENDING OUTWARD AT 1:1 SLOPE TO ACCEPTABLE NATIVE SOIL CONDITIONS. MATERIAL: "CRUSHED STONE" WITH GEOTEXTILE WRAP (SEE SECTIONS) COMPACTION: 95% MODIFIED PROCTOR
 - B. BACKFILL BELOW PAVEMENT, WALKS, ENTRY SLABS IN VICINITY OF BUILDING: MATERIAL: "CRUSHED STONE" (SEE SECTIONS, LAND ARCH AND CIVIL) COMPACTION: 95% MODIFIED PROCTOR
 - C. BACKFILL BEHIND RETAINING WALLS AND BASEMENT WALLS, OUTSIDE BUILDING ENVELOPE AND UNDER PAVEMENT, WALKS, ENTRY SLABS. MATERIAL: "GRANULAR BACKFILL" COMPACTION: 95% MODIFIED PROCTOR
 - D. BACKFILL ALONG EXTERIOR OF BUILDING AGAINST WALLS AND NOT UNDER PAVEMENT, WALKS, ENTRY SLABS. MATERIAL: "SUITABLE NATIVE SOIL" COVERED BY 2 FEET DEEP BY 4 FEET WIDTH OF 1" LESS PERMEABLE FILL COMPACTION: 92% MODIFIED PROCTOR
- BACKFILL MATERIALS: RECYCLED CONCRETE AGGREGATE TO BE USED IN WHOLE OR BLENDED WITH OTHER AGGREGATES TO ACHIEVE GRADATIONS BELOW. ONSITE MATERIALS MEETING THE FOLLOWING CLASSIFICATIONS MAY BE USED:
 - A. "STRUCTURAL FILL":

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
4 INCH	100
3 INCH	90-100
1 1/4 INCH	25-90
No. 40	0-30
No. 200	0-6
 - B. "CRUSHED STONE" WITH GEOTEXTILE FABRIC.
 - C. 2018 VTRANS STANDARD SPECIFICATION 704.02b 3/4-INCH STONE
 - C. "SUITABLE NATIVE SOIL": ON SITE SAND OR GRAVEL REASONABLY FREE OF LOAM, SILT, CLAY, OR ORGANIC MATTER
- GEOTEXTILE FABRIC: NON-WOVEN WITH 12 LAPPED SEAMS SEE GEOTECHNICAL REPORTING FOR USE AND MEETING:
 - GRAB STRENGTH OF 80 POUNDS MINIMUM MEETING ASTM D4632
 - PUNCTURE STRENGTH OF 25 POUNDS MINIMUM MEETING ASTM D4833
 - TRAPEZOID TEAR OF 25 POUNDS MINIMUM MEETING ASTM D4533
 - APPARENT OPENING SIZE OF NO. 70-100 (US SIEVE) MEETING ASTM D4751
- INSULATION AT EXTERIOR SLABS AND WALKS (NOT PAVEMENTS): EXTRUDED POLYSTYRENE, STRENGTH OF 40 PSI (UNO) AND RATED FOR UNDERSLAB/UNDERGROUND USE. STAGGER AND DO NOT TAPE BOARD JOINTS.

G. WOOD FRAMING NOTES

- UNLESS OTHERWISE SPECIFIED, EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK, STAMP, OR OTHER IDENTIFYING MARKS INDICATING GRADES OF MATERIAL, AND RULES OR STANDARDS UNDER WHICH PRODUCED. SUCH IDENTIFYING MARKS ON A MATERIAL SHALL BE IN ACCORDANCE WITH THE RULE OR STANDARD UNDER WHICH MATERIAL IS PRODUCED, INCLUDING REQUIREMENTS FOR QUALIFICATIONS AND AUTHORITY OF THE INSPECTION ORGANIZATION, USAGE OF AUTHORIZED IDENTIFICATION, AND INFORMATION INCLUDED IN THE IDENTIFICATION. THE INSPECTION AGENCY FOR LUMBER SHALL BE APPROVED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, TO GRADE SPECIES USED.
 - PROTECT LUMBER AND OTHER PRODUCTS FROM DAMPNESS BOTH DURING AND AFTER DELIVERY AT THE SITE. PILE PLYWOOD AND LUMBER IN STACKS IN SUCH A MANNER AS TO PROVIDE ADEQUATE AIR CIRCULATION AND TO PREVENT WARPING. LOCATE STACKS IN WELL DRAINED AREAS, SUPPORTED AT LEAST SIX INCHES ABOVE GRADE AND COVER WITH WELL VENTILATED SHEDS HAVING A FIRMLY CONSTRUCTED OVERHANGING ROOF AS WELL AS SUFFICIENT END WALL TO PROTECT LUMBER FROM DRIVING RAIN.
 - STORE SEASONED MATERIALS IN DRY PORTIONS OF BUILDING.
 - PROTECT SHEET MATERIALS FROM CORNERS BREAKING AND DAMAGING SURFACES WHILE UNLOADING.
 - NOMINAL SIZES ARE INDICATED EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE ACTUAL SIZES AS REQUIRED BY PRODUCT STANDARD 20, DEPARTMENT OF COMMERCE.
 - MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19%.
 - LIGHT GAGE METAL CONNECTIONS SHALL BE SIMPSON, SUBMIT MANUFACTURERS SPECIFICATION SHEETS.
- LUMBER GRADES**
- 2x6 AND 2x4 BEARING WALLS, INTERIOR AND EXTERIOR LOCATIONS: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
 - STRUCTURAL ROOF AND FLOOR FRAMING: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA
 - PRESERVATIVE PRESSURE TREATED (P.P.T. or P.T.) LUMBER: SOUTHERN PINE No. 2, AS GRADED BY SPB
 - LAMINATED VENEER LUMBER (LVL):
 - A. PROVIDE LVL HEADERS AND BEAMS AS INDICATED.
 - B. LVL FRAMING SHALL BE LAMINATED DOUGLAS FIR OR SOUTHERN PINE (GP LAM BY GEORGIA PACIFIC OR MICROLAM BY TRUS JOIST OR EQUAL) MEETING THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA: FB (BENDING STRESS) = 2600 PSI
FV (HORIZ. SHEAR STRESS) = 285 PSI
E (MODULUS OF ELASTICITY) = 1,900,000 PSI
FC (COMPRESSIONS PERPENDICULAR TO GRAIN) = 750 PSI
 - MISCELLANEOUS LUMBER: PROVIDE WOOD FOR SUPPORT OR ATTACHMENT OF THE WORK INCLUDING NON-BEARING PARTITIONS, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS, STRIPPING AND SIMILAR MEMBERS. PROVIDE LUMBER OF SIZES AND SHAPES INDICATED. GRADE: SPRUCE-PINE-FIR STUD GRADE AS GRADED BY NLGA.
- MATERIALS:**
- ROOF SHEATHING: 5/8" ADVANTECH ROOF SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 4020 AS DENOTED BY CODE EVALUATION REPORT ESR 1785.
 - FLOOR SHEATHING: 23/32" ADVANTECH SUBFLOOR SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 24-INCHES AS DENOTED BY CODE EVALUATION REPORT ESR 1785.
 - FASTENERS AND ANCHORS: FURNISH ITEMS OF ROUGH HARDWARE, METAL CONNECTORS, BOLTS, ETC., REQUIRED TO COMPLETE THE WORK. BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED ELECTRO GALVANIZED STEEL.
 - SILL GASKET ON TOP OF FOUNDATION WALL: 1/4 INCH THICK, PLATE WIDTH WIDE, CLOSED CELL POLYETHYLENE URETHANE FOAM FROM CONTINUOUS ROLLS.
 - SUBFLOOR GLUE: APA AFG-01, WATERPROOF OF WATER SOLVENT BASE, AIR CURE TYPE, CARTRIDGE DISPENSED.
 - BUILDING PAPER: NO. 15 ASPHALT FELT, PLAIN UNTREATED CELLULOSE BUILDING PAPER.
 - WOOD PRESERVATIVE (PRESSURE TREATMENT): AWPA TREATMENT ACQ USING WATER BORNE PRESERVATIVE WITH 0.40 PERCENT RETAINAGE.
 - SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
 - MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
 - PLACE HORIZONTAL MEMBERS, CROWN SIDE UP.
 - CONSTRUCT LOAD BEARING FRAMING FULL LENGTH WITHOUT SPLICES.
 - DOUBLE MEMBERS AT OPENINGS OVER 24 INCHES WIDE. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.
 - CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME RIGIDLY INTO JOISTS.
 - BRIDGE JOISTS FRAMING IN EXCESS OF 8 FEET SPAN AT MID-SPAN AND WHERE SHOWN ON DRAWINGS. FIT SOLID BLOCKING OR BRIDGING AT ENDS OF MEMBERS.
 - SECURE ROOF SHEATHING WITH LONGER EDGE PERPENDICULAR TO FRAMING MEMBERS AND WITH ENDS STAGGERED AND SHEET ENDS OVER BEARING.
 - USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS.
 - WHERE TONGUE AND GROOVE PLYWOOD IS USED, FULLY ENGAGE TONGUE AND GROOVE EDGES.
 - SECURE WALL SHEATHING WITH LONG DIMENSION PERPENDICULAR TO WALL STUDS, WITH ENDS OVER FIRM BEARING AND STAGGERED.
 - PLACE BUILDING PAPER HORIZONTALLY OVER WALL SHEATHING; WEATHER LAP EDGES AND ENDS.
 - SECURE SUB-FLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING AND WITH END JOINTS STAGGERED AND SHEET ENDS OVER BEARING. ATTACH WITH SUB-FLOOR GLUE AND 8D NAILS AT 6" ON CENTER AT PERIMETER AND 12" ON CENTER ON INTERIOR OF PANEL.
 - TOLERANCES:
 - A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.
 - B. SURFACE FLATNESS OF FLOOR: 1/4 INCH IN 10 FEET MAXIMUM, AND 1/2 INCH IN 30 FEET MAXIMUM.
 - ALL POSTS AND COLUMNS FROM HEADERS AND BEAMS SHALL BEAR CONTINUOUSLY TO CONCRETE FOUNDATIONS INCLUDING BLOCKING IN FLOOR AND ROOF SPACES. BLOCKING SHALL BE OF THE SIZE AND SHAPE TO CARRY THE REQUIRED LOADING.
 - ALL BOTTOM BEARING PLATES, FOR STUD WALLS OR BEAM BEARING, SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" ON CENTER, UNLESS NOTED OTHERWISE.
 - ALL BEARING WALLS SHALL BE BLOCKED AT 4'-0" ON CENTER, VERTICALLY, UNLESS NOTED OTHERWISE.
 - ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED, P.P.T.
 - ALL FASTENERS FOR PRESSURE TREATED WOOD TO BE G90 HOT-DIPPED GALVANIZED.
 - ALL HANGERS FOR PRESSURE TREATED WOOD TO BE G90 HOT-DIPPED GALVANIZED.
 - PROVIDE 1/4" NOMINAL GAP BETWEEN WOOD FRAMING AND HORIZONTAL FACES OF CONCRETE WALLS.

BASIS OF DESIGN

1.	Building Code:	2015 Vermont Fire and Building Safety Code 2015 International Building Code 2015 International Existing Building Code
2.	Dead Loads: a. Roof Dead Load: b. Floor Dead Load:	20 psf 20 psf
3.	Live Loads: a. Roof Live Load: b. Floor Live Load (live load reduction not used): c. Stored book stack load:	Snow Load Governs 100 psf 117 psf
4.	Roof Snow Load: a. Ground Snow Load, P_g: b. Flat Roof Snow Load, P_f: c. Snow Exposure Factor, C_e: d. Snow Load Importance Factor, I: e. Thermal Factor, C_t:	60 psf 42 psf 1.0 1.0 1.0
5.	Allowable Soil Bearing Pressure:	1500 psf, assumed per IBC presumptive values

ABBREVIATIONS

AB	ANCHOR BOLT	H.T.	HEAVY TIMBER
AFF	ABOVE FINISH FLOOR	MC	MOMENT CONNECTION
AL	ALUMINUM	N.S.	NEAR SIDE
B.O.F.	BOTTOM OF FOOTING	oc	ON CENTER
DWG	DRAWING	P#	PIER DESIGNATION
E.F.	EACH FACE	PL	PLATE
ELEV.	ELEVATION	SS	STAINLESS STEEL
EP	EMBED PLATE	STD	STANDARD
EQ	EQUAL	SOG	SLAB-ON-GRADE
E.S.	EACH SIDE	T.O.C.	TOP OF CONCRETE
E.W.	EACH WAY	T.O.S.	TOP OF STEEL
EX	EXISTING	T.O.SHELF	TOP OF SHELF
EXT	EXTERIOR	T.O.W.	TOP OF WALL
F#	FOOTING DESIGNATION	TYP.	TYPICAL
FND	FOUNDATION	U.N.O.	UNLESS NOTED OTHERWISE
F.S.	FAR SIDE	V.I.F.	VERIFY IN FIELD

DRAWING LEGEND

NOTE: NOT ALL SYMBOLS AND NOTATIONS USED

	NORTH ARROW		CONCRETE
	ELEVATION		GROUT or FINE CRUSHED GRAVEL
[XX' - XX']	TOP OF FOOTING ELEV.		GRATING
	SECTION NUMBER DRAWING WHERE SHOWN		LEDGER/ROCK
	SLOPE DIRECTION, and MAGNITUDE		3/4" CRUSHED STONE
	BEAM/COLUMN SPLICE		COMPACTED GRANULAR FILL
	ROOF PITCH		RIGID INSULATION
	FOOTING STEP		WOOD
	OPENING		UNDISTURBED SUBGRADE

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Checked: JH

REVISIONS:

CONSTRUCTION
DRAWING SET

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

GENERAL
STRUCTURAL
NOTES

S-0.1

FASTENING SCHEDULE					
(TABLE 2304.9.1, IBC 2012)					
CONNECTION	FASTENING ^{a, m}	LOCATION	CONNECTION	FASTENING ^{a, m}	LOCATION
1. JOIST TO SILL OR GIRDER	(3) 8d COMMON (2-1/2" x 0.131") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL	31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) ^b	1/2" AND LESS 19/32" TO 3/4" 7/8" TO 1" 1-1/8" TO 1-1/4" 6d ^{c, 1} 8d ^c OR 6d ^c 8d ^c 10d ^c OR 8d ^c	
2. BRIDGING TO JOIST	(2) 8d COMMON (2-1/2" x 0.131") (2) 3" x 0.131" NAILS (2) 3" 14 GAGE STAPLES	TOENAIL EACH END			
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	(2) 8d COMMON (2-1/2" x 0.131")	FACE NAIL			
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	(3) 8d COMMON (2-1/2" x 0.131")	FACE NAIL			
5. 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON (3-1/2" x 0.162")	BLIND AND FACE NAIL	SINGLE FLOOR (COMBINATION SUBFLOOR- UNDERLAYMENT TO FRAMING)	3/4" AND LESS 7/8" TO 1" 1-1/8" TO 1-1/4" 6d ^c 8d ^c 10d ^c OR 8d ^c	
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3-1/2" x 0.135") AT 16"oc 3" x 0.131" NAILS AT 8"oc 3" 14 GAGE STAPLES AT 12"oc	TYPICAL FACE NAIL			
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL	(3) 16d (3-1/2" x 0.135") AT 16"oc (4) 3" x 0.131" NAILS AT 16"oc (4) 3" 14 GAGE STAPLES AT 16"oc	BRACE WALL PANELS	32. PANEL SIDING (TO FRAMING)	1/2" OR LESS 5/8"	6d ^f 8d ^f
			33. FIBERBOARD SHEATHING ^g	1/2" 25/32"	No. 11 GAGE ROOFING NAIL ^h 6d COMMON NAIL (2" x 0.113") No. 16 GAGE STAPLE ⁱ No. 11 GAGE ROOFING NAIL ^h 8d COMMON NAIL (2-1/2" x 0.113") No. 16 GAGE STAPLE ⁱ
7. TOP PLATE TO STUD	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	END NAIL	34. INTERIOR PANELING	1/4" 3/8"	4d ^j 6d ^k
8. STUD TO SOLE PLATE	(4) 8d COMMON (2-1/2" x 0.131") (4) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL	FOR SI: 1" = 25.4 mm a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED. b. NAILS SPACED AT 6" ON CENTER AT PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING. c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2-1/2" x 0.131"; 10d - 3" x 0.148"). d. COMMON (6d - 2" x 0.113"; 8d - 2-1/2" x 0.131"; 10d - 3" x 0.148"). e. DEFORMED SHANK (6d - 2" x 0.113"; 8d - 2-1/2" x 0.131"; 10d - 3" x 0.148"). f. CORROSION-RESISTANT SIDING (6d - 1-7/8" x 0.106"; 8d - 2-3/8" x 0.128") OR CASING (6d - 2" x 0.099"; 8d - 2-1/2" x 0.113"). g. FASTENERS SPACED 3 INCHES ON CENTER AT EXTERIOR EDGES AND 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16-INCH-DIAMETER HEAD AND 1-1/2-INCH LENGTH FOR 1/2-INCH SHEATHING AND 1-3/4-INCH LENGTH FOR 25/32-INCH SHEATHING. i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16-INCH CROWN OR 1-INCH CROWN AND 1-1/4-INCH LENGTH FOR 1/2-INCH SHEATHING AND 1-1/2-INCH LENGTH FOR 25/32-INCH SHEATHING. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS NOTED OTHERWISE). j. CASING (1-1/2" x 0.080") OR FINISH (1-1/2" x 0.072") NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS. k. PANEL SUPPORTS AT 24 INCHES. CASING OR FINISH NAILS SPACED 6 INCHES ON PANEL EDGES, 12 INCHES AT INTERMEDIATE SUPPORTS. l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2-1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS. m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH. n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4 INCHES ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS. o. FASTENERS SPACED AT 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3 INCHES ON CENTER AT EDGES, 6 INCHES AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING. p. FASTENERS SPACED AT 4 INCHES ON CENTER AT EDGES, 8 INCHES AT INTERMEDIATE SUPPORTS.		
	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	END NAIL			
9. DOUBLE STUDS	16d (3-1/2" x 0.135") AT 24"oc 3" x 0.131" NAIL AT 8"oc 3" 14 GAGE STAPLE AT 8"oc	FACE NAIL			
10. DOUBLE TOP PLATES	16d (3-1/2" x 0.135") AT 16"oc 3" x 0.131" NAIL AT 12"oc 3" 14 GAGE STAPLE AT 12"oc	TYPICAL FACE NAIL			
DOUBLE TOP PLATES	(8) 16d COMMON (3-1/2" x 0.162") (12) 3" x 0.131" NAILS (12) 3" 14 GAGE STAPLES	LAP SPLICE			
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3) 8d COMMON (2-1/2" x 0.131") AT 24"oc (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL			
12. RIM JOIST TO TOP PLATE	8d (2-1/2" x 0.131") AT 6"oc 3" x 0.131" NAIL 6"oc 3" 14 GAGE STAPLE AT 6"oc	TOENAIL			
13. TOP PLATES, LAPS AND INTERSECTIONS	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL			
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3-1/2" x 0.162")	16"oc ALONG EDGE			
15. CEILING JOISTS TO PLATE	(3) 8d COMMON (2-1/2" x 0.131") (5) 3" x 0.131" NAILS (5) 3" 14 GAGE STAPLES	TOENAIL			
16. CONTINUOUS HEADER TO STUD	(4) 8d COMMON (2-1/2" x 0.131")	TOENAIL			
17. CEILING JOISTS, LAPS OVER PATITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	(3) 16d COMMON (3-1/2" x 0.162") MINIMUM, TABLE 2308.10.4.1 (4) 3" x 0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL			
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	(3) 16d COMMON (3-1/2" x 0.162") MINIMUM, TABLE 2308.10.4.1 (4) 3" x 0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL			
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	(3) 8d COMMON (2-1/2" x 0.131") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL			
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	(2) 8d COMMON (2-1/2" x 0.131") (2) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL			
21. 1" x 8" SHEATHING TO EACH BEARING	(3) 8d COMMON (2-1/2" x 0.131")	FACE NAIL			
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	(3) 8d COMMON (2-1/2" x 0.131")	FACE NAIL			
23. BUILT-UP CORNER STUDS	16d COMMON (3-1/2" x 0.162") 3" x 0.131" NAILS 3" 14 GAGE STAPLES	24"oc 16"oc 16"oc			
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4" x 0.192") AT 32"oc 3" x 0.131" NAILS 3" 14 GAGE STAPLES	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES			
	(2) 20d COMMON (4" x 0.192") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL NAIL AT ENDS AND AT EACH SPLICE			
25. 2" PLANKS	16d COMMON (3-1/2" x 0.162")	AT EACH BEARING			
26. COLLAR TIE TO RAFTER	(3) 10d COMMON (3" x 0.148") (4) 3" x 0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL			
27. JACK RAFTER TO HIP	(3) 10d COMMON (3" x 0.148") (4) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAILS			
	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL			
28. ROOF RAFTER TO 2-by RIDGE BEAM	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAILS			
	(2) 16d COMMON (3-1/2" x 0.162") (3) 3" x 0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL			
29. JOSIT TO BAND JOIST	(3) 16d COMMON (3-1/2" x 0.162") (4) 3" x 0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL			
30. LEDGER STRIP	(3) 16d COMMON (3-1/2" x 0.162") (4) 3" x 0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL AT EACH JOIST			

SPECIAL INSPECTION REQUIREMENTS

STRUCTURAL TESTS AND SPECIAL INSPECTIONS ARE REQUIRED ON THIS PROJECT FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:
1. SOILS AND FOUNDATIONS
2. CAST-IN-PLACE CONCRETE

STRUCTURAL TESTS AND INSPECTIONS ARE TO BE PERFORMED BY THE REGISTERED DESIGN PROFESSIONAL AND/OR A QUALIFIED PERSON, COMPETANT IN THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION. THE REGISTERED DESIGN PROFESSIONALS AND SUGGESTIONS FOR TESTING AGENCIES ARE LISTED BELOW:

INSPECTION AGENT	FIRM	ADDRESS
STRUCTURAL ENGINEER OF RECORD	ENGINEERING VENTURES, PC.	208 FLYNN AVE, SUITE 2A BURLINGTON, VT 05401
ARCHITECT OF RECORD	TBD	TBD
TESTING AGENCY	TBD	TBD
SPECIAL INSPECTION AGENT & COORDINATOR	TBD	TBD

SOILS

ITEM	FREQUENCY	AGENT	REFERENCES
VERIFICATION AND INSPECTION (APPROVED SOILS REPORT AND CONSTRUCTION DOCUMENTS SHALL BE USED TO DETERMINE COMPLIANCE)			
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	TA/GE	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	TA	
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FOR EACH SOURCE OF FILL MATERIAL	TA	SPECIFICATIONS
VERIFY USE OF PEOPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	TA	
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	ONCE FOR EACH AREA OF PLACEMENT	TA	
COMPACTION TESTING	EVERY OTHER LIFT, EVERY 1000 SF	TA	ASTM D2922

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.
GE = GEOTECHNICAL ENGINEER

CAST-IN-PLACE CONCRETE

ITEM	SCOPE	FREQUENCY	REFERNCES	AGENT
MIX DESIGN	REVIEW MIX DESIGN FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
MATERIAL CERTIFICATION	REVIEW SUBMITTALS FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
REINFORCING INSTALLATION	REVIEW REINFORCING FOR SIZE, QUANTITY, CONDITION, AND PLACEMENT	PERIODIC	ACI 318 SPECIFICATIONS	TA
CONCRETE PLACEMENT	OBSERVE CONCRETE PLACEMENT OPERATIONS. VERIFY CONFORMANCE WITH HOT OR COLD WEATHER REQUIREMENTS. PERFORM SLUMP, DENSITY, AND AIR CONTENT TESTS AT POINT OF DISCHARGE.	PERIODIC	ACI 318 SPECIFICATIONS	TA
CURING AND PROTECTION	OBSERVE PROCEDURES FOR CONFORMANCE WITH SPECIFICATIONS	PERIODIC	ACI 318 SPECIFICATIONS	TA
EVALUATION OF CONCRETE STRENGTH	TEST (TA) AND EVALUATE (EV) FOR CONFORMANCE WITH SPECIFICATIONS	CONTINUOUS	ACI 318 SPECIFICATIONS	TA EV

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC.



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CONSTRUCTION
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MORETOWN
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GENERAL
STRUCTURAL
NOTES

S-0.2

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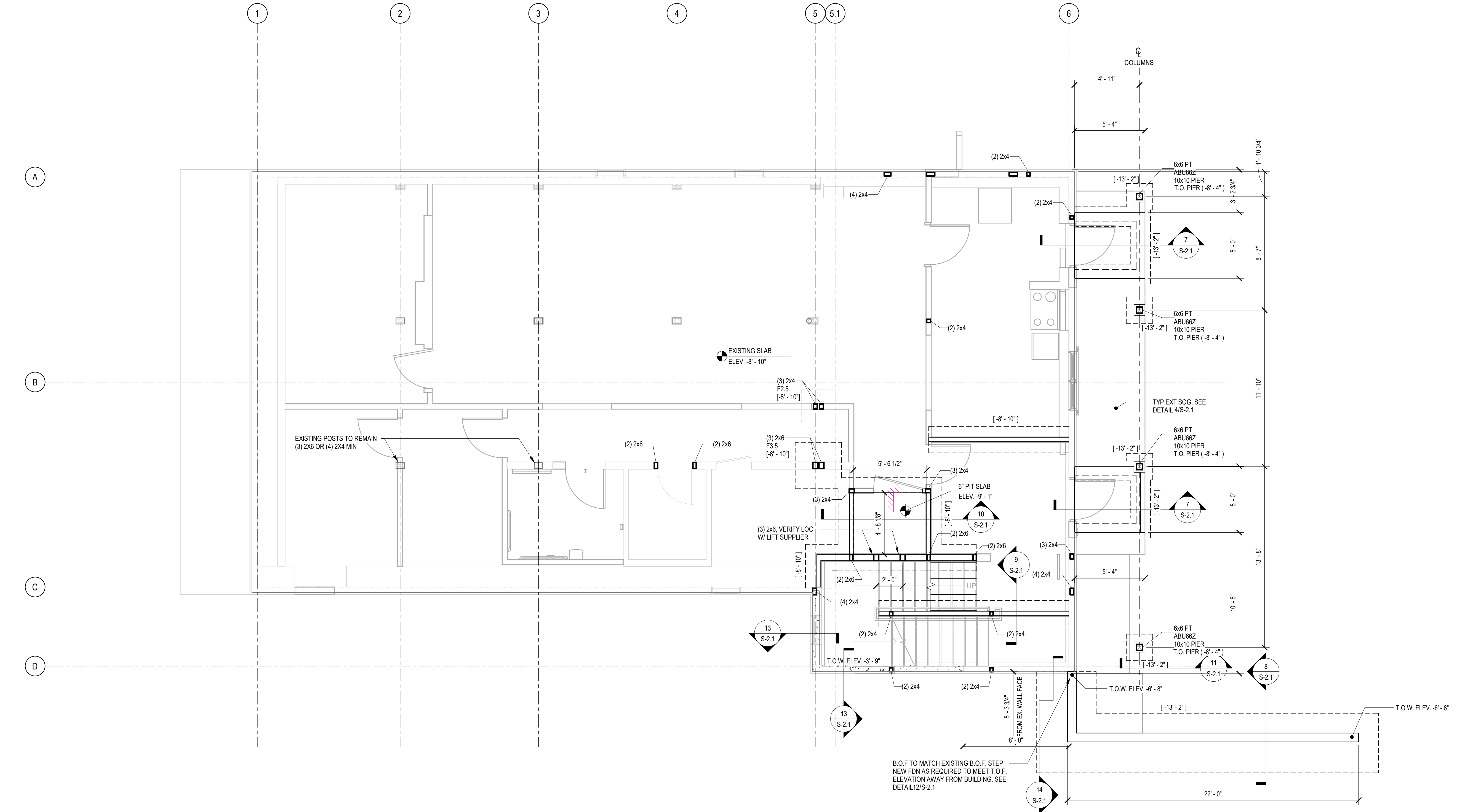
CONSTRUCTION
DRAWING SET

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

LOWER LEVEL &
FOUNDATION
PLAN

S-1.1



1 LOWER LEVEL / FOUNDATION PLAN

1/4" = 1'-0"

NOTES:

1. SLAB-ON-GRADE ELEVATION REFERENCES ARCHITECTURAL FIRST FLOOR ELEVATION.
2. [XX-XX] INDICATES TOP OF FOOTING ELEVATION.
3. SEE DETAILS ON SHEET S-2.1 FOR FOOTING SIZE AND REINFORCING.
4. "PT" DENOTES CONCRETE PIER. SEE DETAILS ON SHEET S-2.1.
5. [XX-XX] INDICATES TOP OF PIER ELEVATION.
6. BOTTOM OF ALL ALL NEW FOUNDATIONS AT BUILDING PERIMETER TO MATCH BOTTOM OF EXISTING BUILDING FOUNDATION. VERIFY ALL FOOTING ELEVATIONS IN FIELD.

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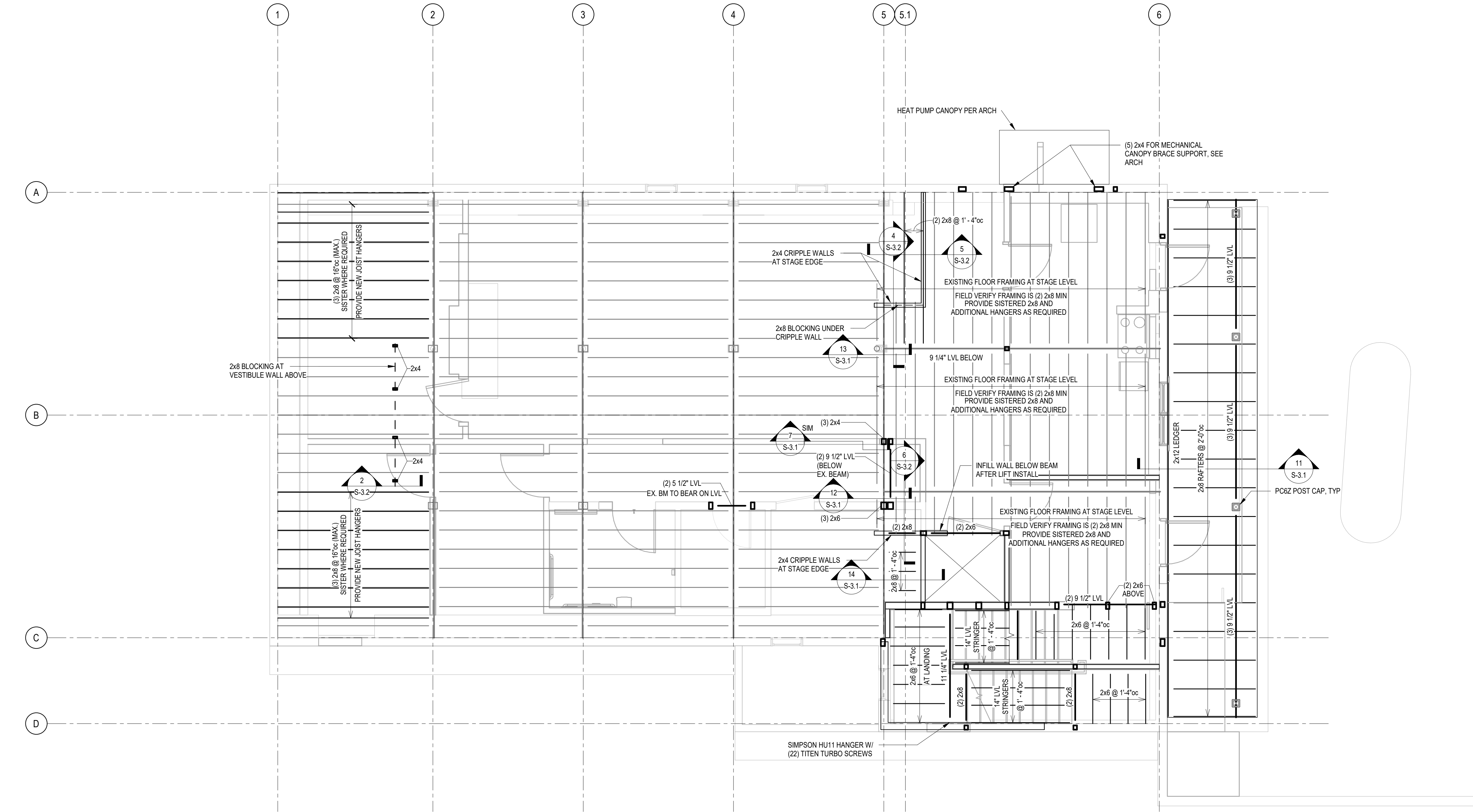
**CONSTRUCTION
DRAWING SET**

**MORETOWN
TOWN HALL**

1147 Route 100B,
Moretown, VT 05660

**MAIN LEVEL
FRAMING PLAN**

S-1.2



1 First Floor Framing
1/4" = 1'-0"

NOTES:

- ELEVATIONS SHOWN REFERENCE ARCHITECTURAL FIRST FLOOR ELEVATION.
- FLOOR SHEATHING PER GENERAL STRUCTURAL NOTES. PLACE LONG DIMENSION OF SHEET PERPENDICULAR TO SUPPORTS AND STAGGER JOINTS.
- "BW" INDICATES BEARING WALL. SEE BEARING WALL SCHEDULE FOR INFORMATION.
- STAIR STRINGERS SHALL BE CUT FROM 1 3/4"x14" LVL AT 16"oc WITH SIMPSON LS90 TOP AND BOTTOM OF STRINGER. EFFECTIVE DEPTH AT TREAD NOTCHES SHALL BE 6" MIN.
- FASTEN BLOCKING TO EXISTING FRAMING W/ LUS HANGER, TYP.

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Drawn: KG

Checked: JH

REVISIONS:

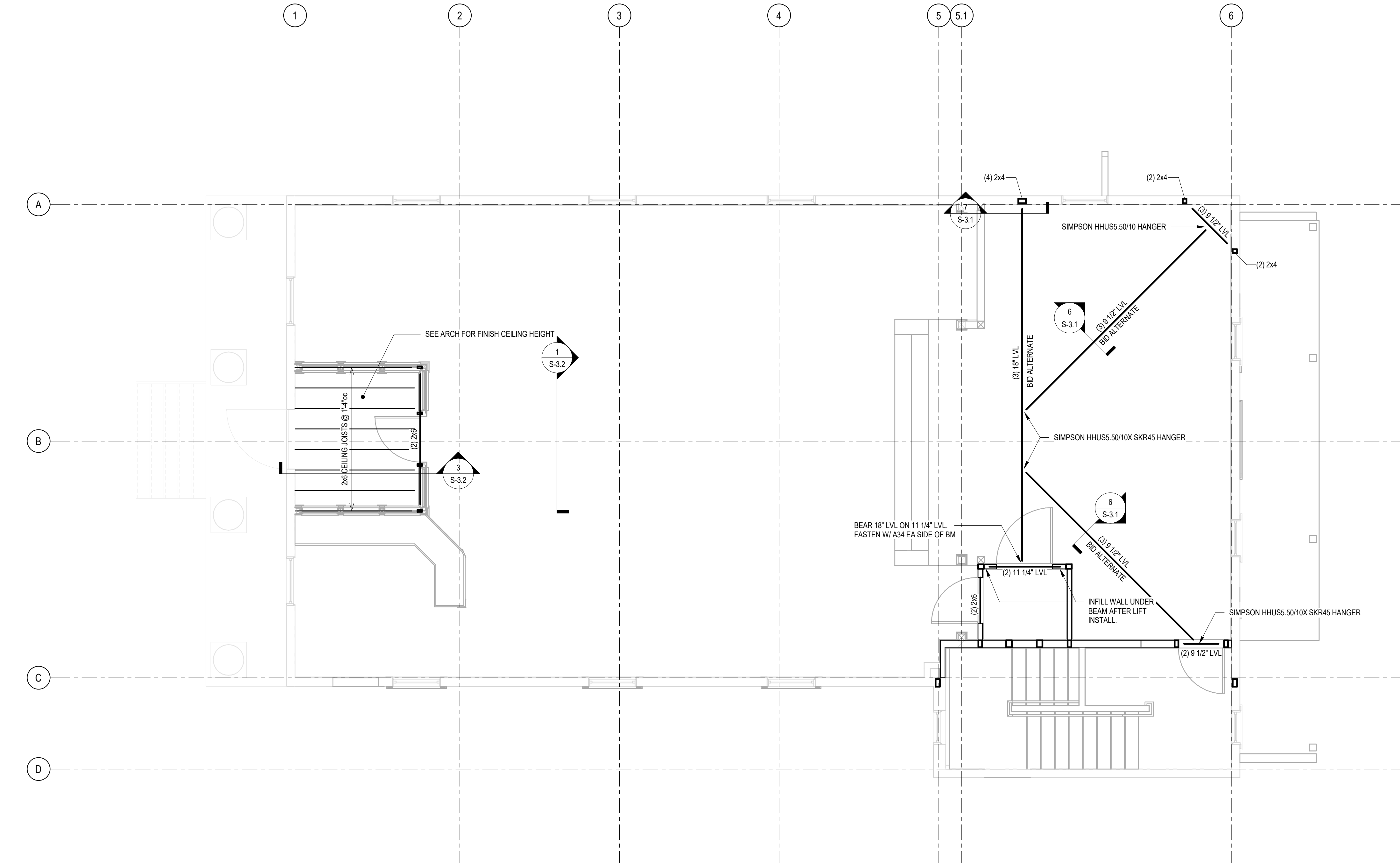
CONSTRUCTION
DRAWING SET

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

ATTIC LEVEL
FRAMING

S-1.3



1 Top Of Plate
1/4" = 1'-0"

NOTES:

- FRAMING LABELED "BID ALTERNATE" SHALL BE CONSIDERED AS SUCH FOR PROJECT PRICING
- POSTS TAGGED ON THIS PLAN SHALL BE CONSIDERED AS PART OF THE BID ALTERNATE PACKAGE. POSTS AT THE HOISTWAY AND SUPPORTING DOOR HEADERS ARE REQUIRED AS PART OF THE FULL BID PACKAGE AND ARE TAGGED AT LEVELS BELOW.
- SNOW GAURDS TO BE INCLUDED AS BID ALTERNATE. THIS SHALL INCLUDE A \$1,500 ENGINEERING FEE AS WELL AS AN ALLOWANCE FOR ADDITIONAL ROOF STRENGTHENING.

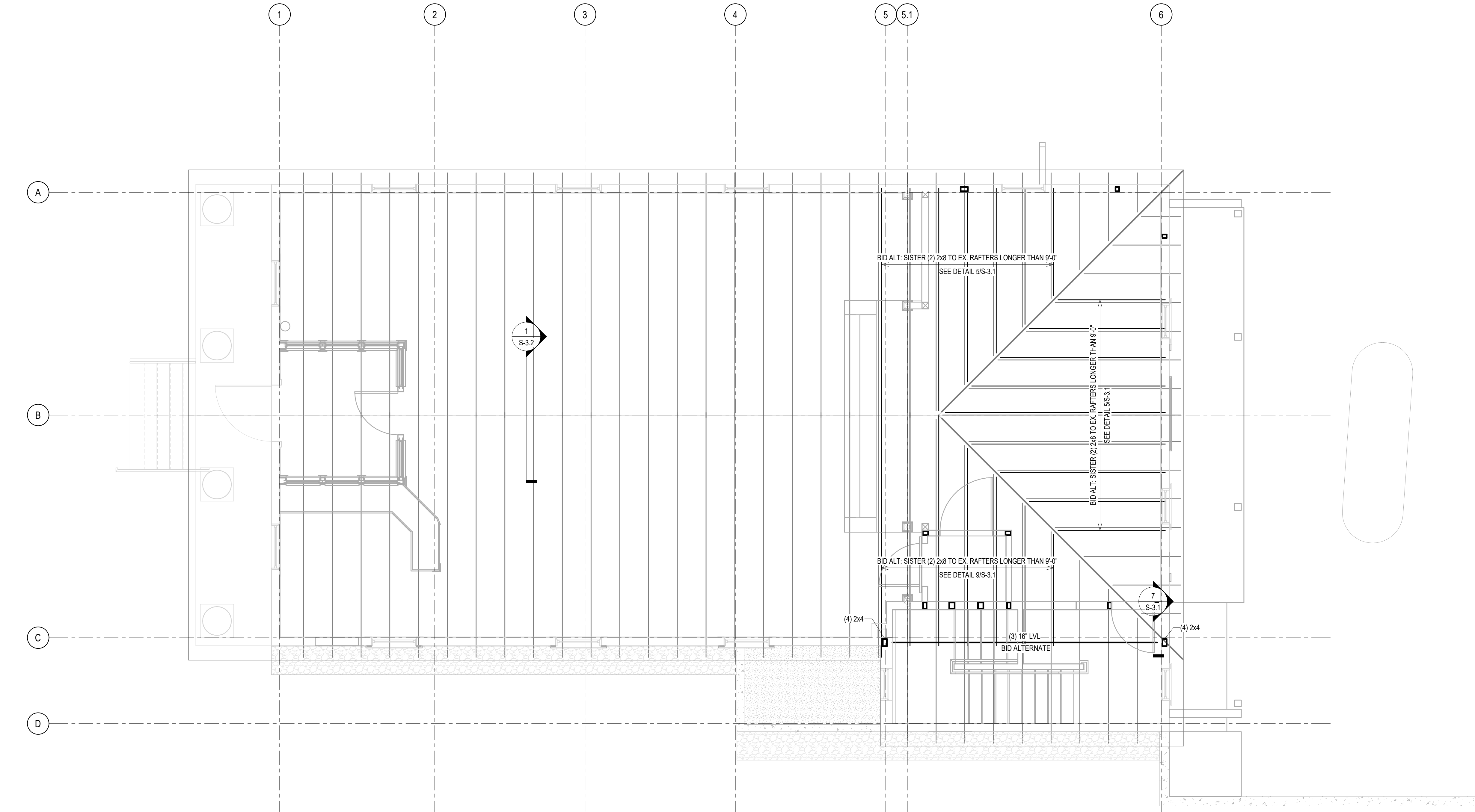
CONSTRUCTION
DRAWING SET

MORETOWN
TOWN HALL

1147 Route 100B,
Moretown, VT 05660

ROOF FRAMING
PLAN

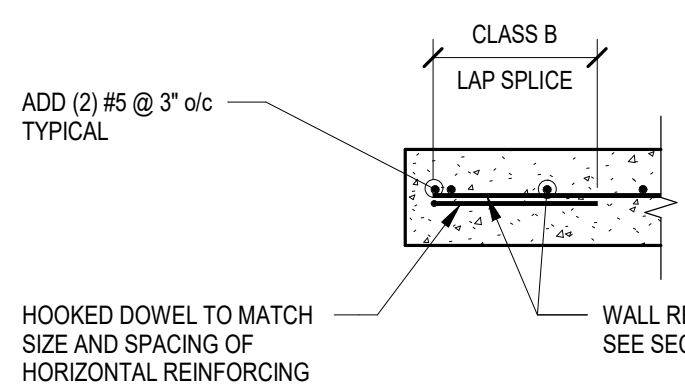
S-1.4



① Ridge
1/4" = 1'-0"

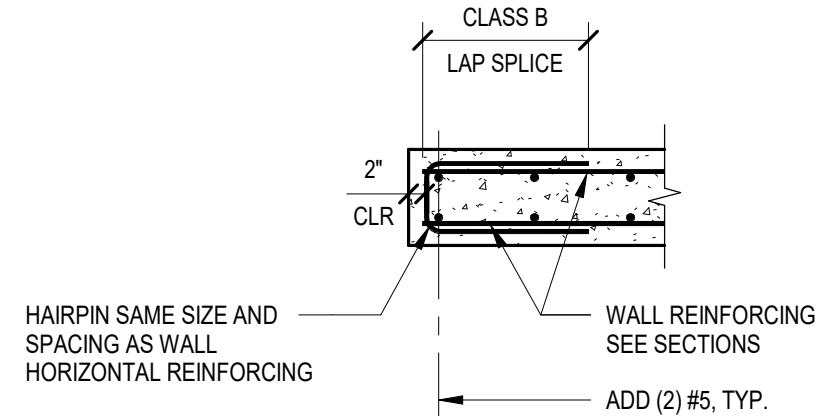
NOTES:

- FRAMING LABELED "BID ALTERNATE" SHALL BE CONSIDERED AS SUCH FOR PROJECT PRICING
- POSTS TAGGED ON THIS PLAN SHALL BE CONSIDERED AS PART OF THE BID ALTERNATE PACKAGE. POSTS AT THE HOISTWAY AND SUPPORTING DOOR HEADERS ARE REQUIRED AS PART OF THE FULL BID PACKAGE AND ARE TAGGED AT LEVELS BELOW.
- SNOW GAUARDS TO BE INCLUDED AS BID ALTERNATE. THIS SHALL INCLUDE A \$1,500 ENGINEERING FEE AS WELL AS AN ALLOWANCE FOR ADDITIONAL ROOF STRENGTHENING.

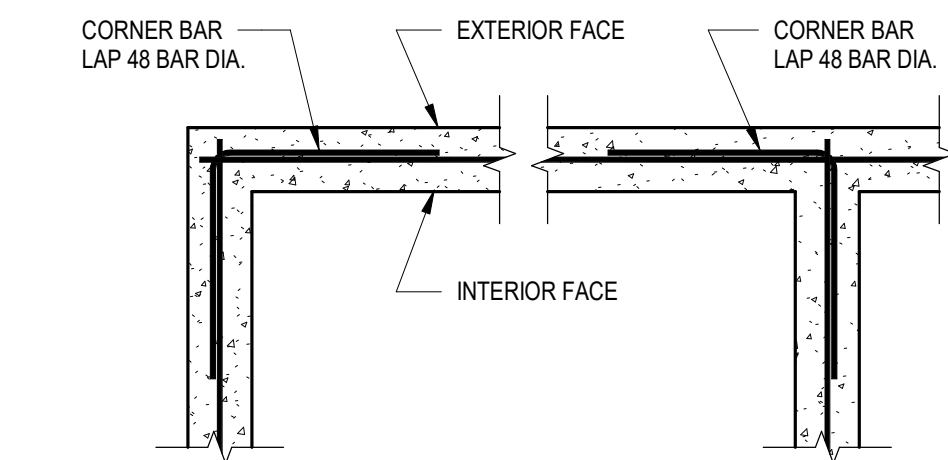


PART PLAN-SINGLE LAYER OF REINFORCING

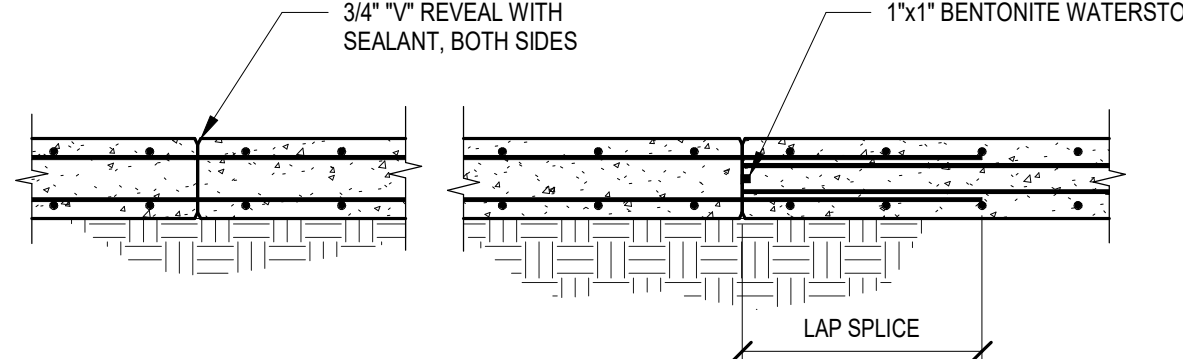
1 TYPICAL CONCRETE WALL END
1/2" = 1'-0"



PART PLAN-DOUBLE LAYER OF REINFORCING



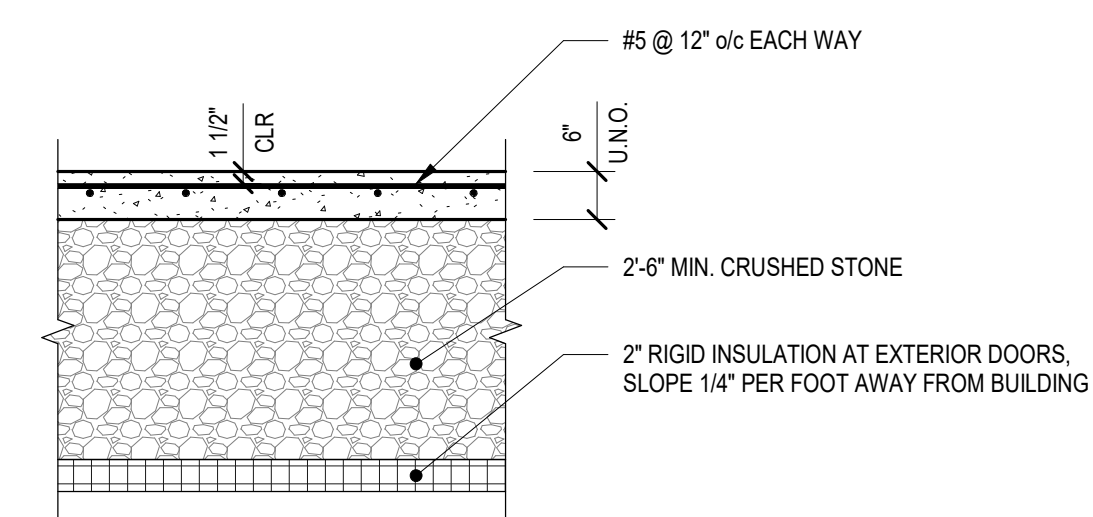
2 TYPICAL WALL CORNER REINFORCING
1/2" = 1'-0"



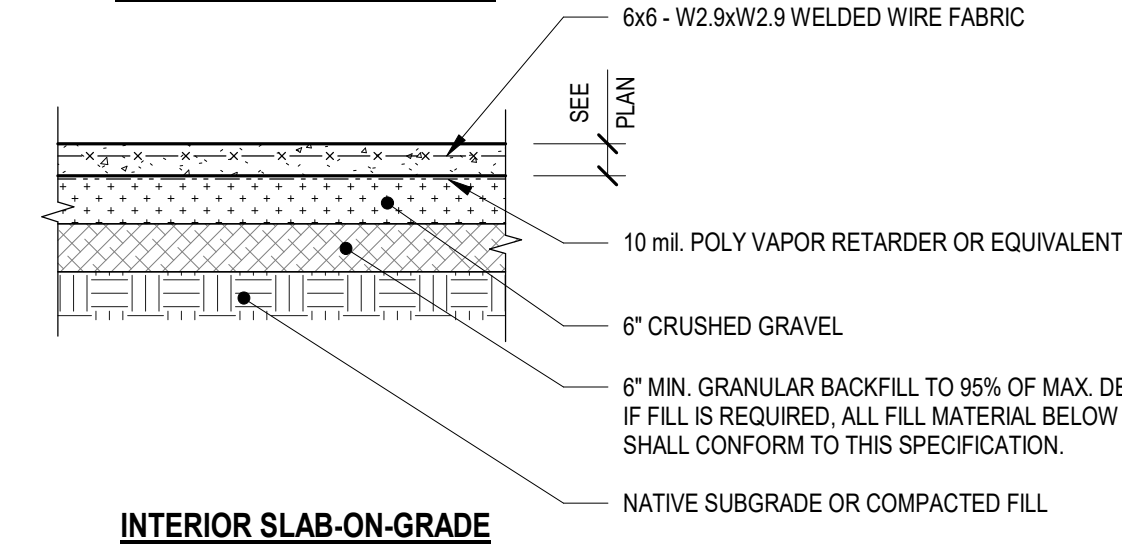
CONTROL JOINT

- NOTES:**
1. MAXIMUM SPACING BETWEEN CONSTRUCTION JOINTS, OR FROM JOINT TO CORNER SHALL BE 120 FEET.
 2. MAXIMUM SPACING BETWEEN CONTROL JOINTS SHALL BE 20 FEET.
 3. NO JOINT SHALL BE WITHIN 10 FEET OF CORNER.
 4. SUBMIT LOCATIONS ON WALL ELEVATIONS OF CONCRETE REINFORCING SHOP DRAWINGS.

3 TYPICAL CONCRETE WALL JOINTS
1/2" = 1'-0"

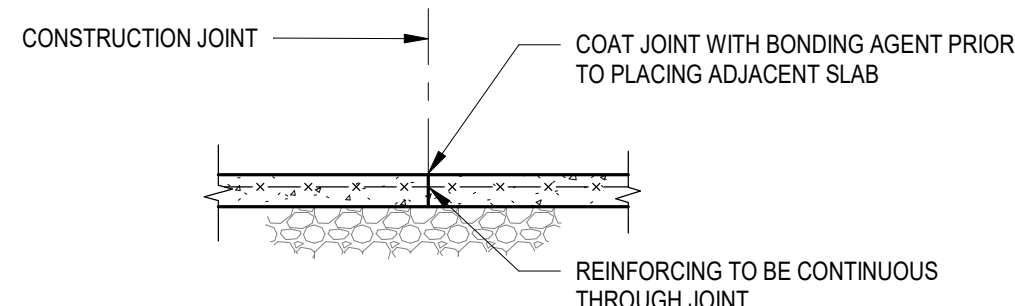


EXTERIOR SLAB-ON-GRADE

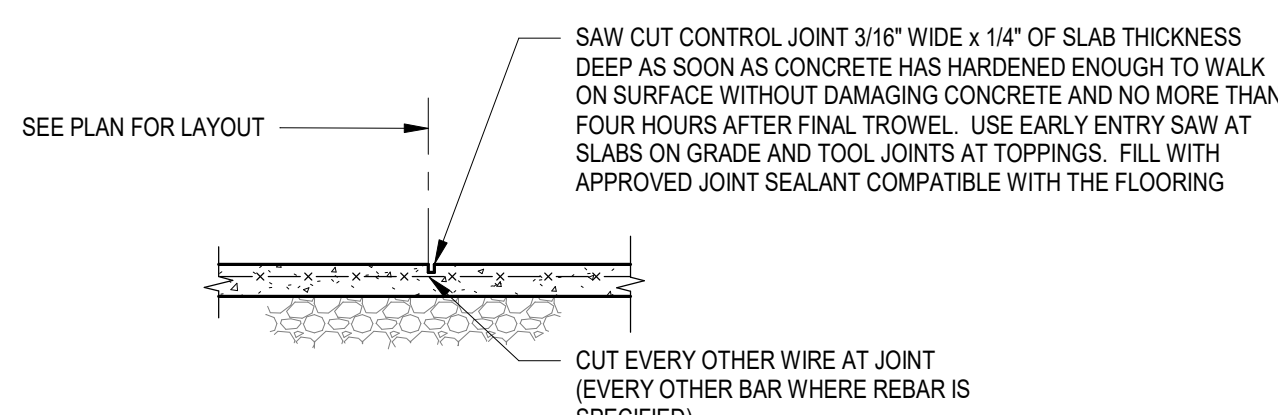


INTERIOR SLAB-ON-GRADE

4 TYPICAL SLAB-ON-GRADE SECTIONS
1/2" = 1'-0"

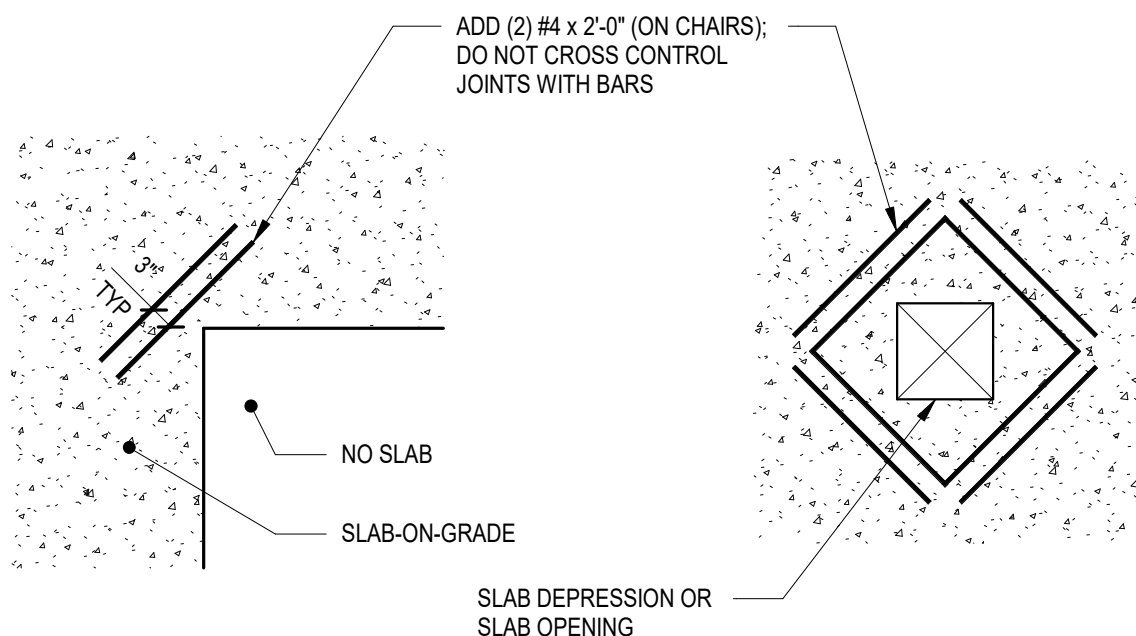


CONSTRUCTION JOINT

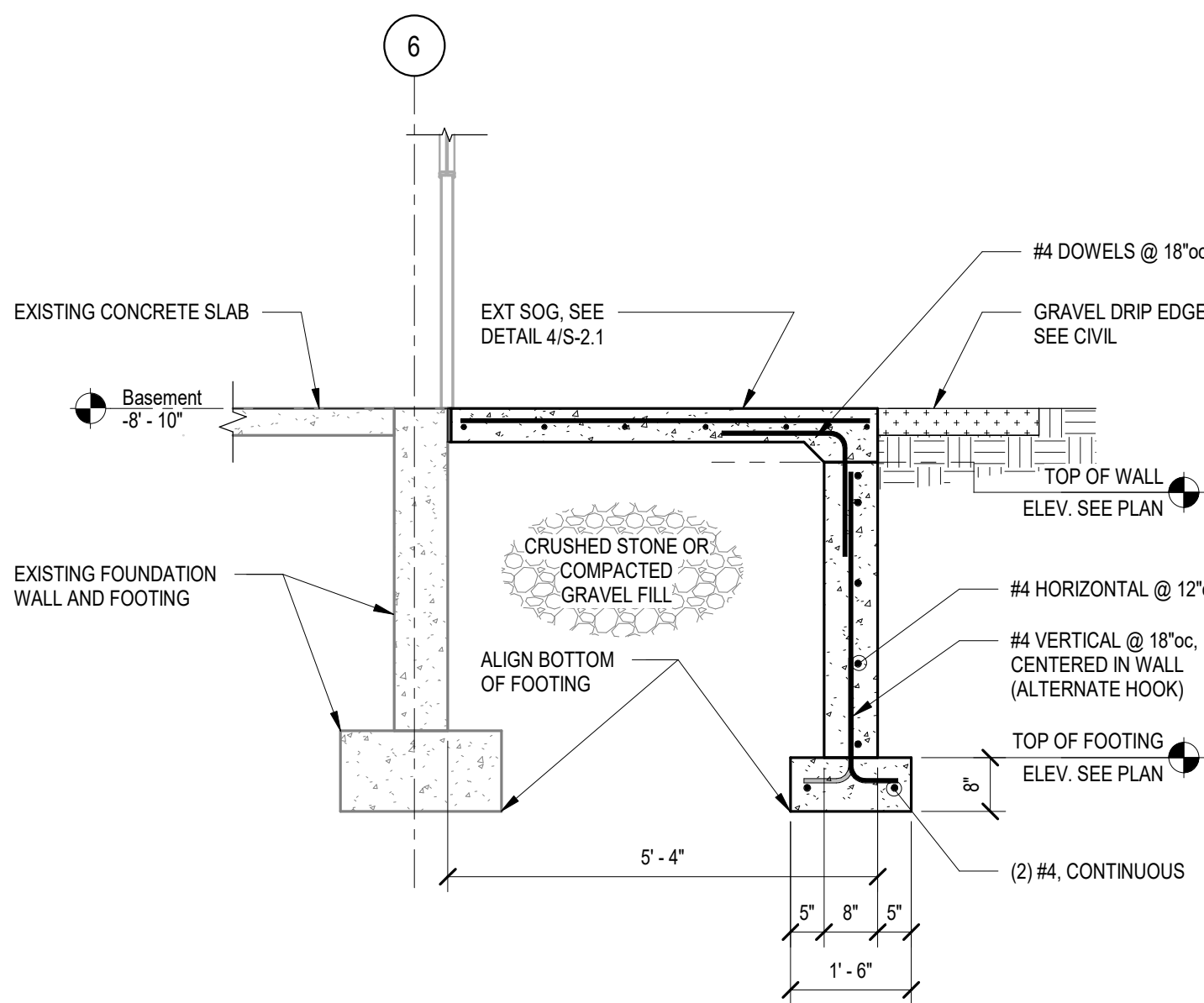


CONTROL JOINT

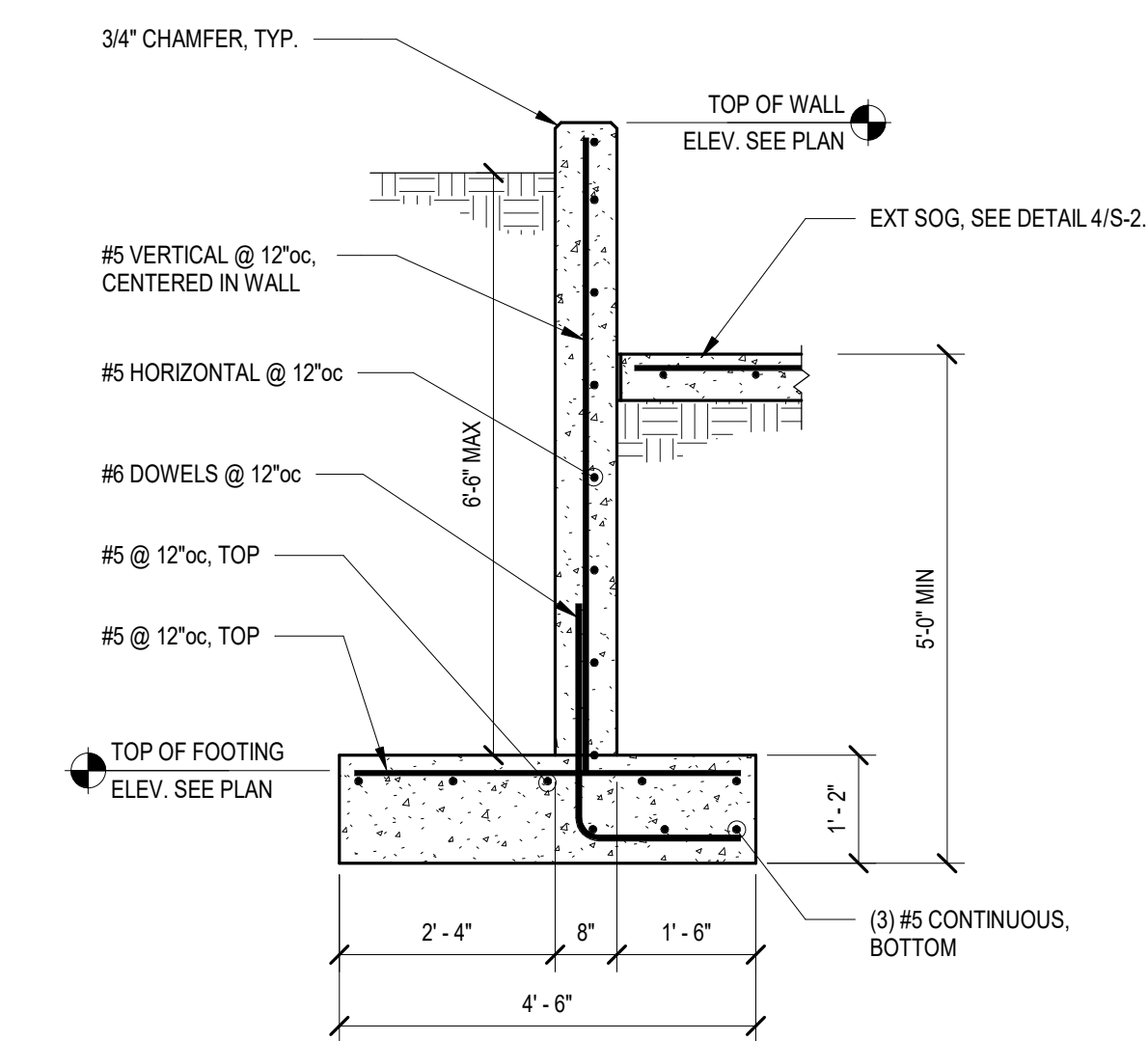
5 TYPICAL SLAB-ON-GRADE JOINTS
1/2" = 1'-0"



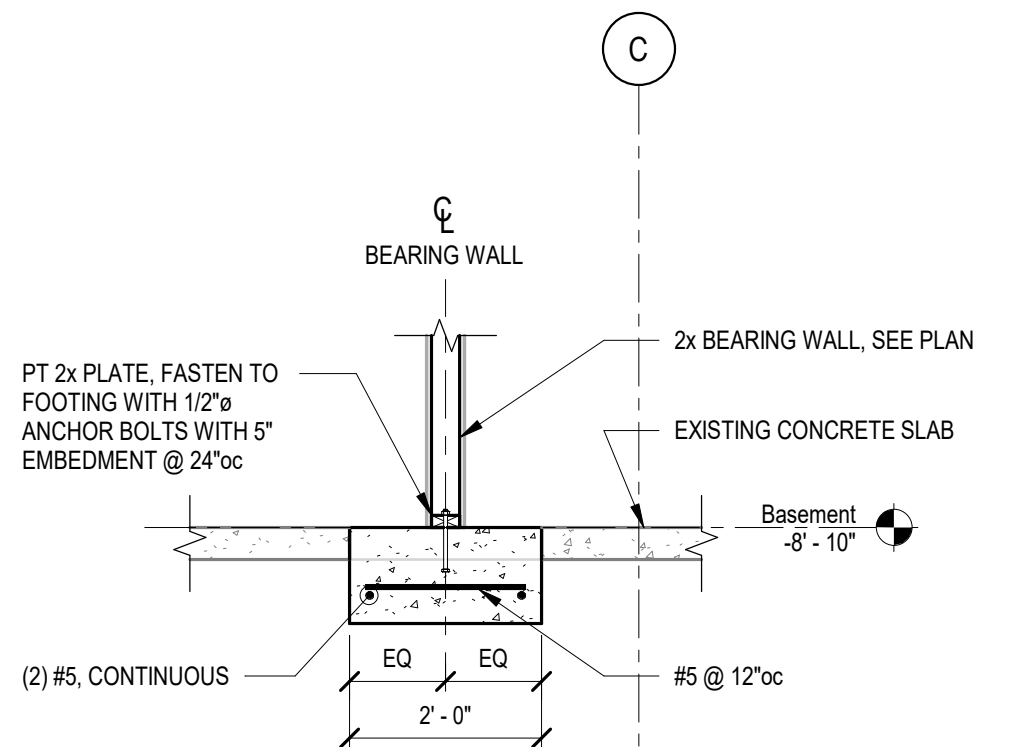
6 TYPICAL RE-ENTRANT CORNERS AT
SLAB-ON-GRADE
1/2" = 1'-0"



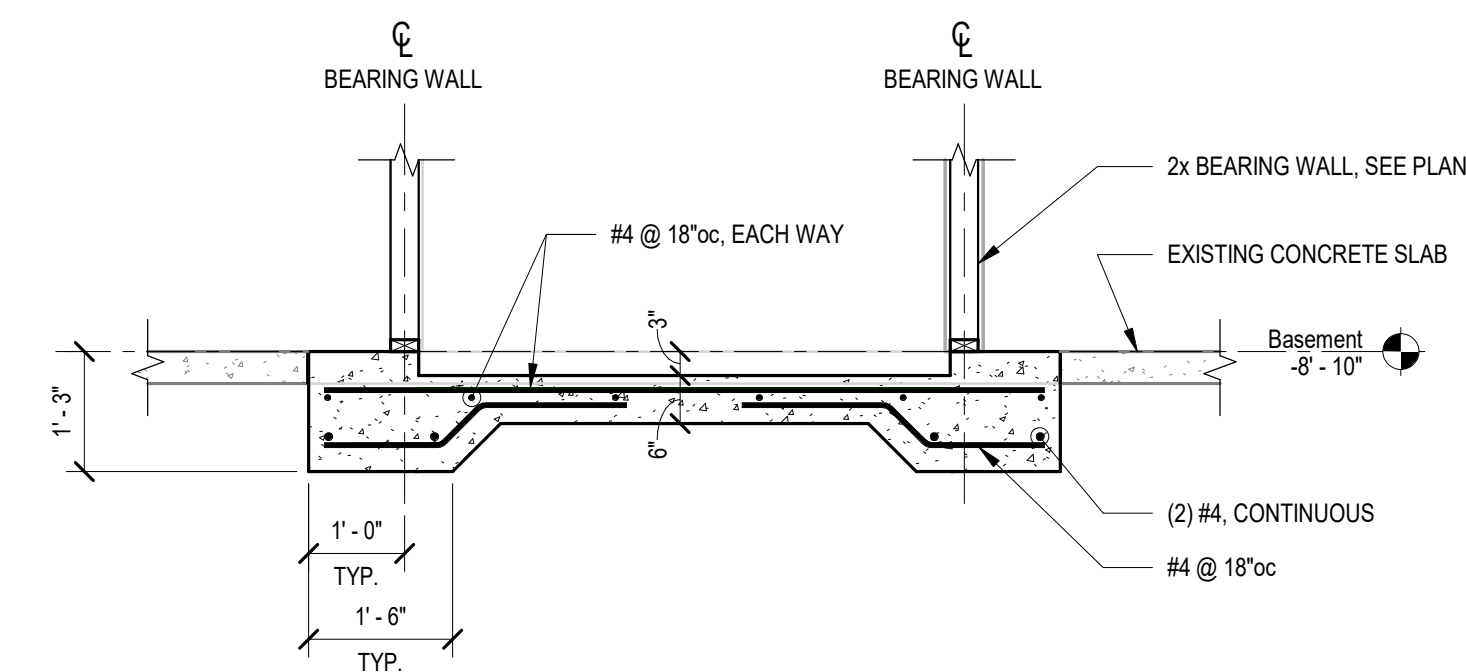
7 FOUNDATION WALL AT EXTERIOR SLAB
1/2" = 1'-0"



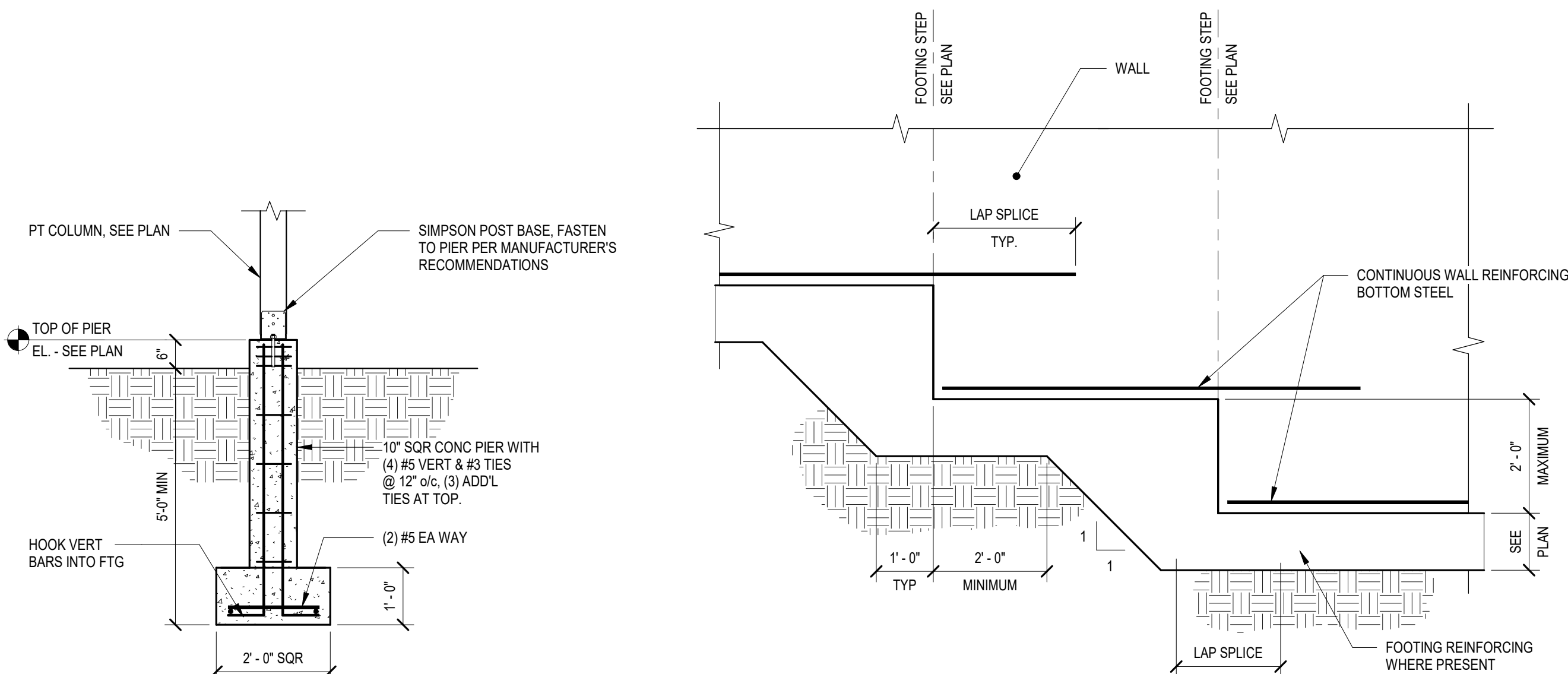
8 SITE RETAINING WALL
1/2" = 1'-0"



9 FOOTING AT BEARING WALL
1/2" = 1'-0"

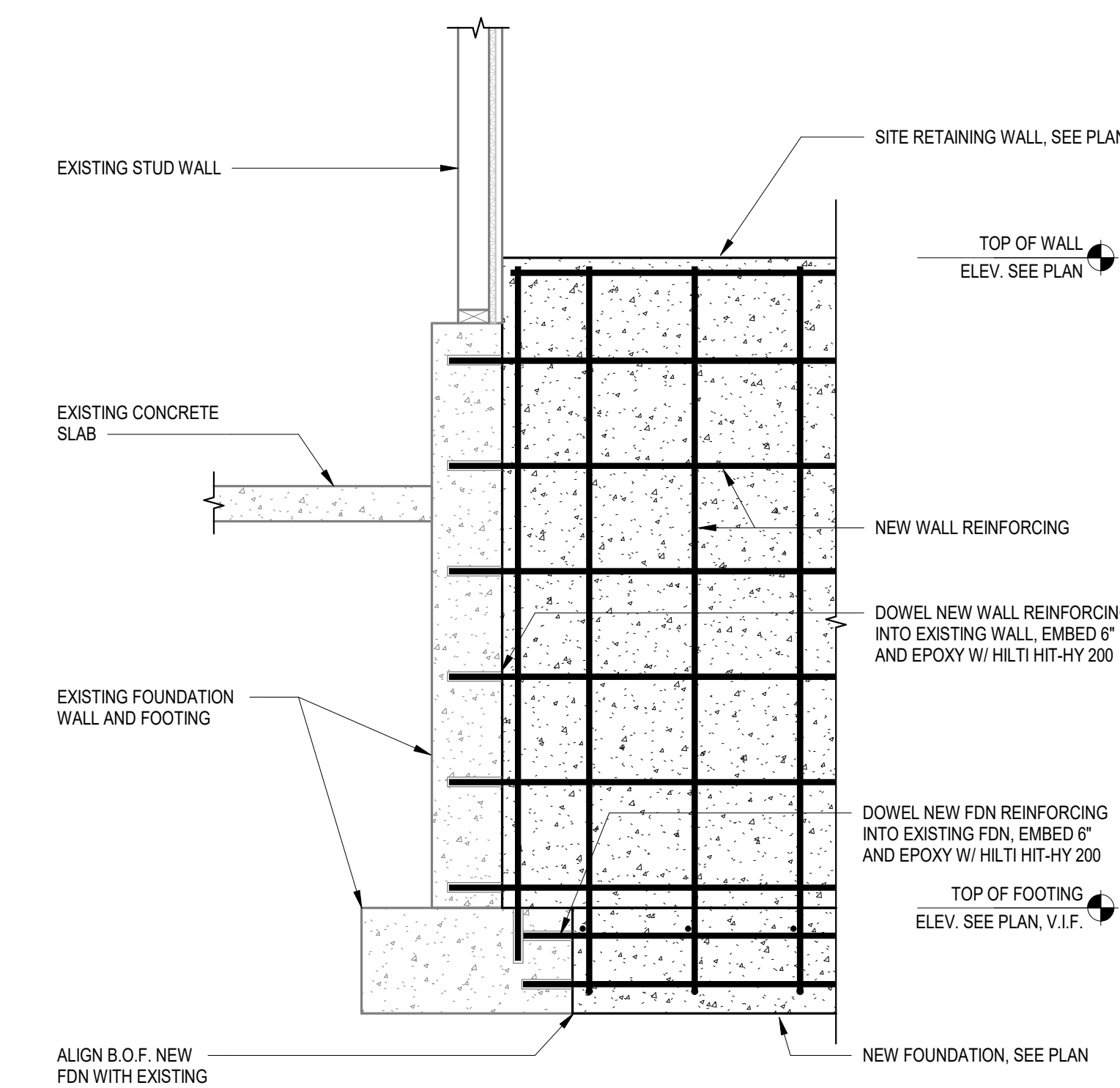


10 FOUNDATION AT LIFT
1/2" = 1'-0"

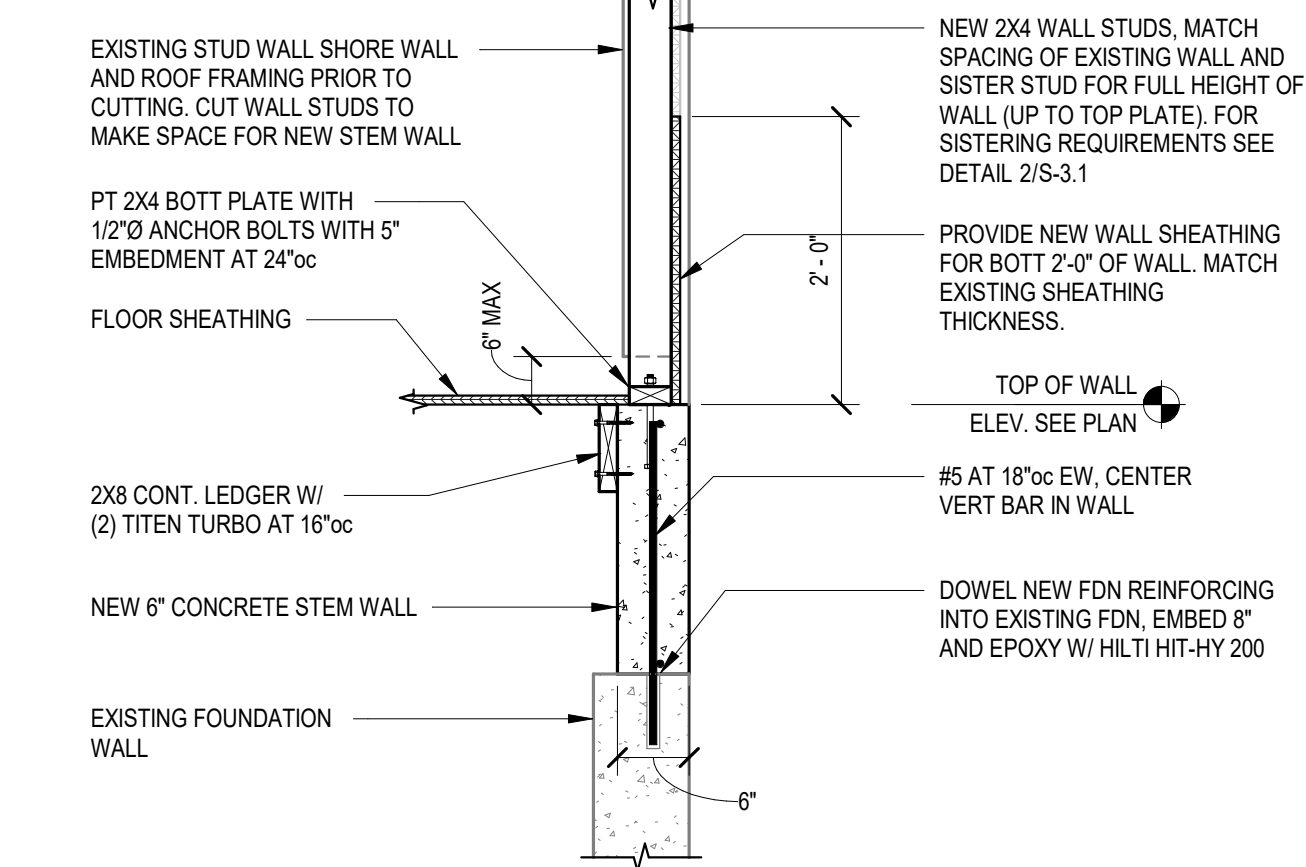


11 SQUARE PIER
1/2" = 1'-0"

12 TYPICAL FOOTING STEP
1/2" = 1'-0"



14 NEW FOUNDATION TO EXISTING FOUNDATION
3/4" = 1'-0"



13 NEW FOUNDATION TO EXISTING FOUNDATION
3/4" = 1'-0"

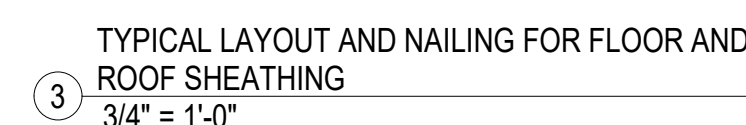
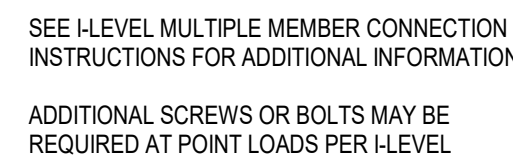


ASHAR NELSON, AIA, LEED AP
ashar@vermontintegratedarchitecture.com

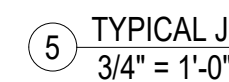
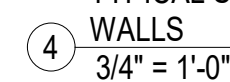
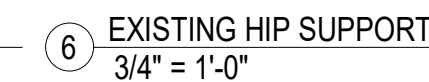
P.O. Box 862
Middlebury, VT 05753
802.989.7249

Kevin Worden, P.E.
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kevinw@engineeringventures.com
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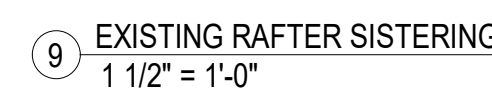
NOTE: FOLLOW ALL MANUFACTURER INSTRUCTIONS FOR INSTALLATION OF SDPW SCREWS. PERPENDICULAR WALLS CAN COUNT AS (1) SDPW SCREW



TYPICAL WOOD BEAM BEARING
PERPENDICULAR TO WALL
3/4" = 1'-0"



NOTE: AT EXISTING DOUBLE FLOOR JOISTS VERIFY
NAILING PER DETAIL 2/S-3.1 HAS BEEN PROVIDED



EX. SHEATHING

10d NAIL AT BLKG

2X BLOCKING AT 48"oc MAX, MIN (1) ROW

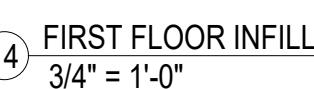
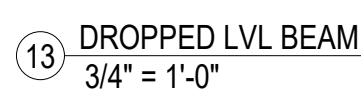
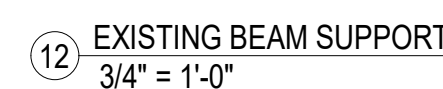
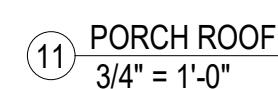
NEW STUDS, FASTEN W/
 (1) ROW 16d AT 8"oc AT 2X4 STUDS
 (2) ROWS 16d AT 8"oc AT 2X6 STUDS

EX. STUD

10d TOENAIL, TYP



10 BUILT UP
 $\frac{3}{4}" = 1'-0"$

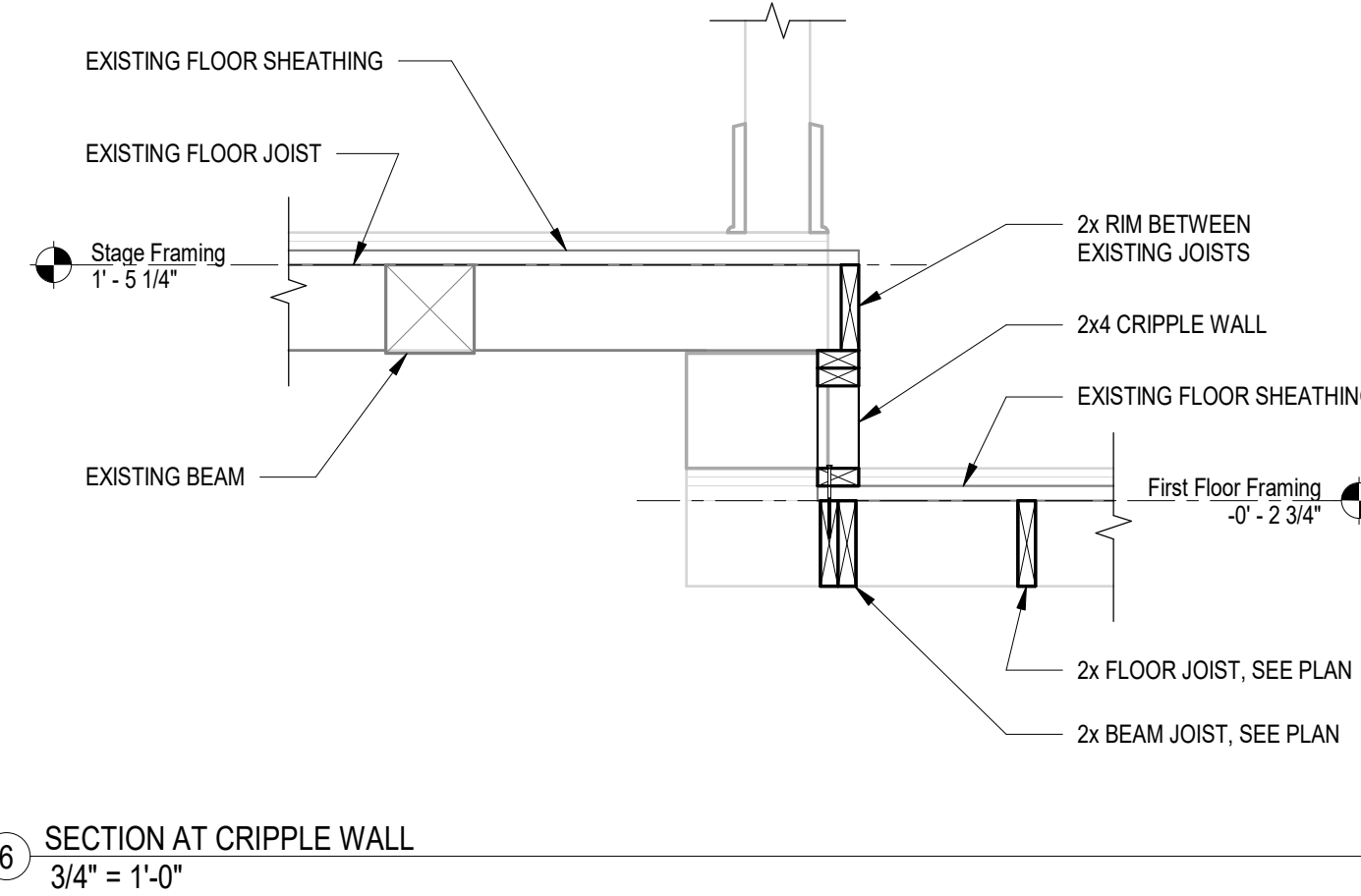
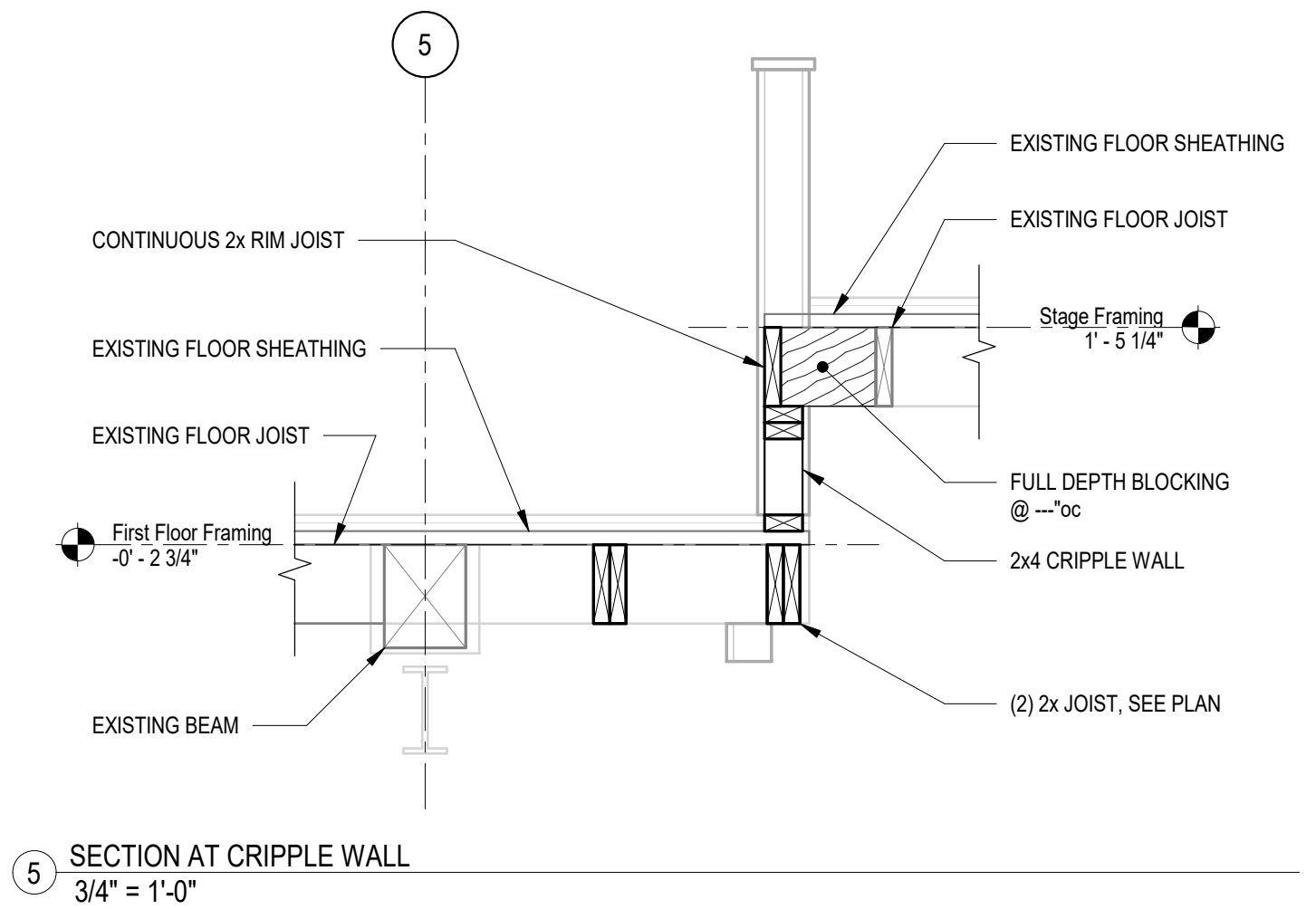
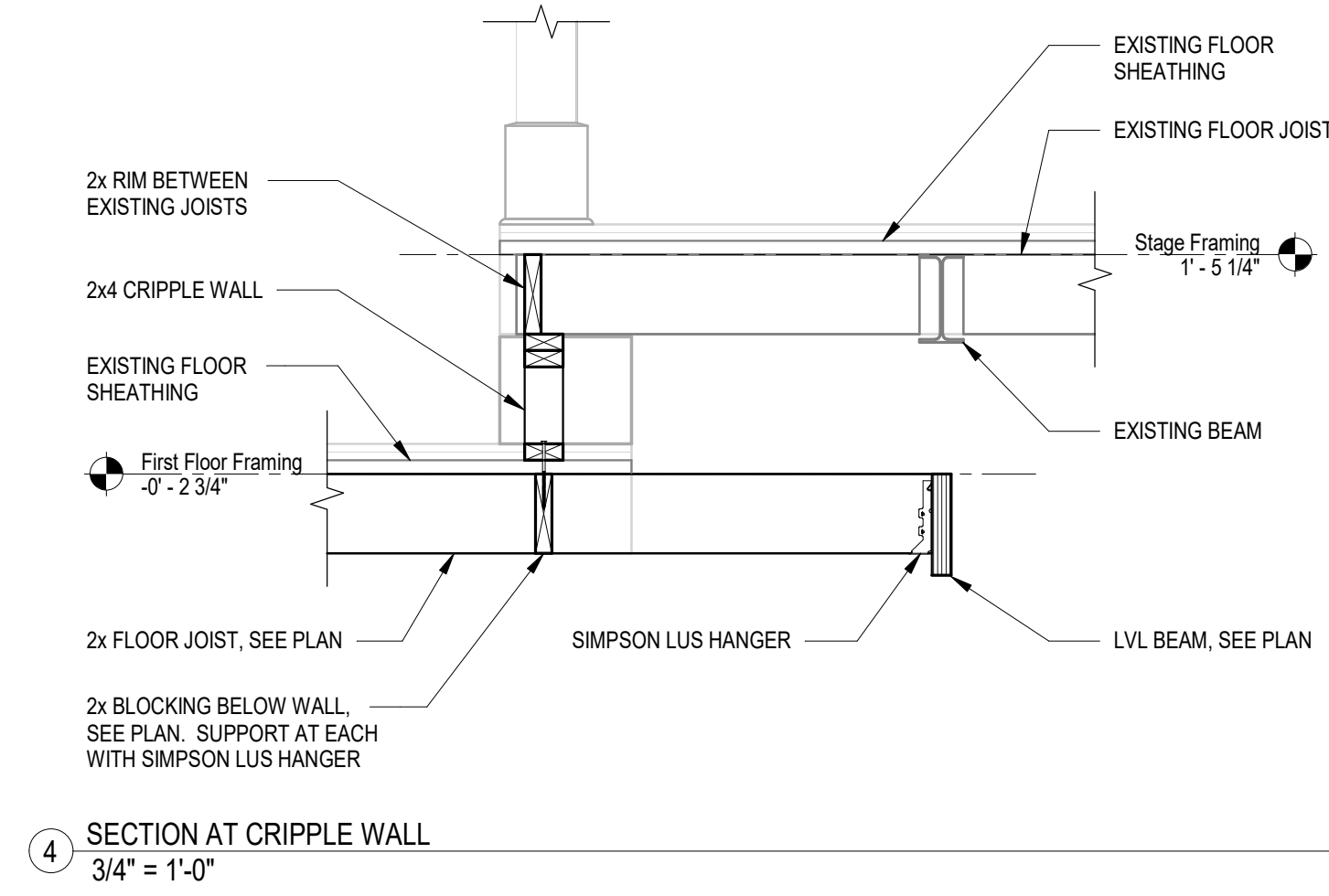
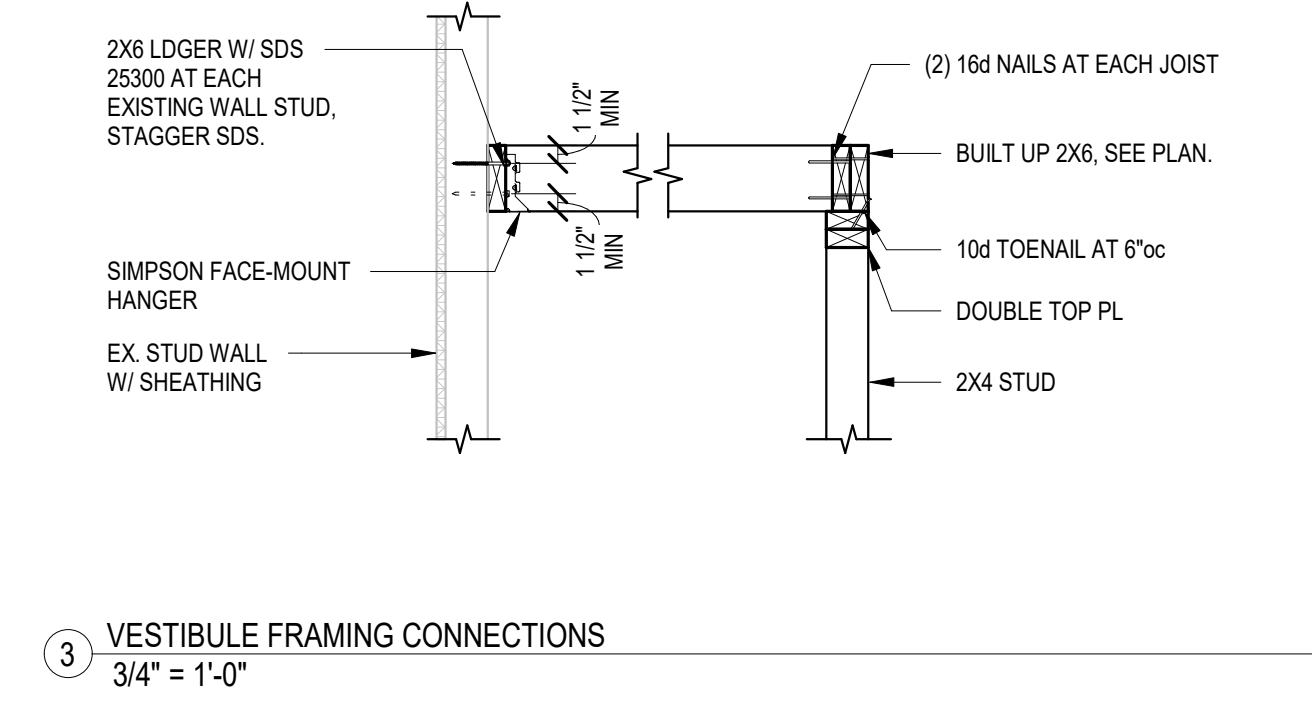
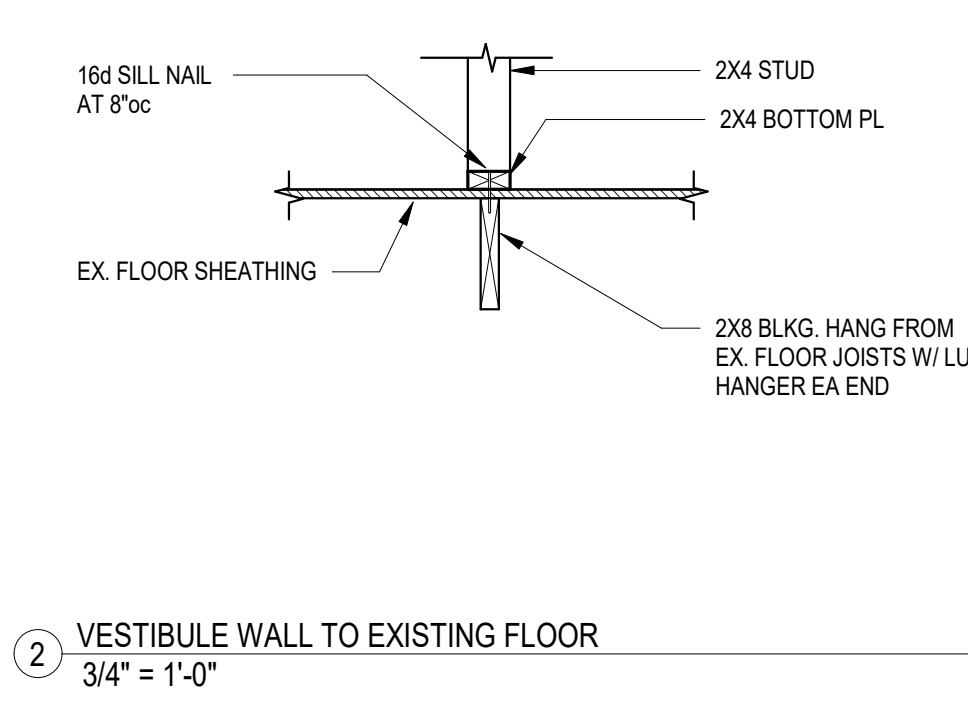
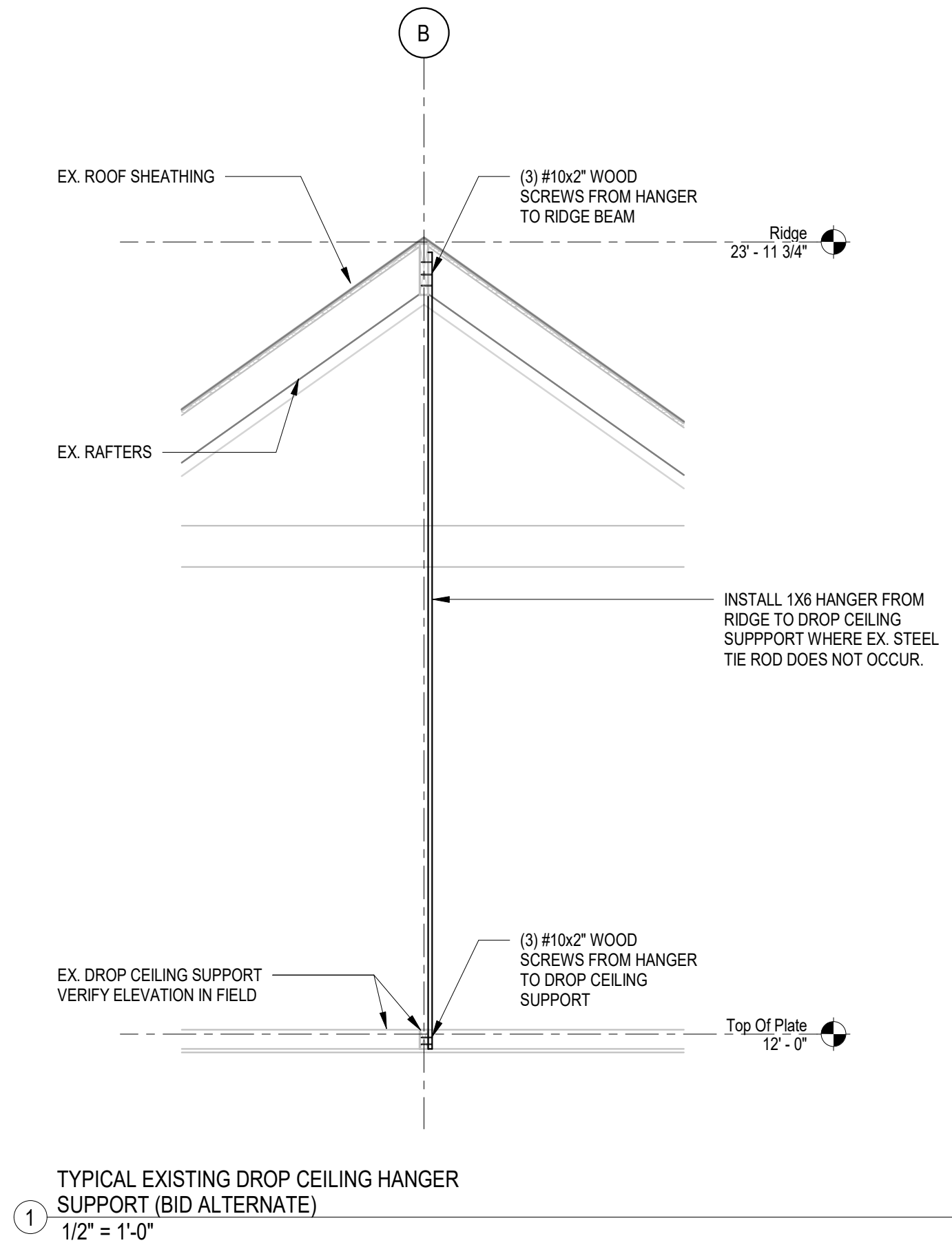


2/20/2025 9:14:39 AM

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1147 Route 100B,
Moretown, VT 05660

S-3.1



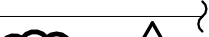
NOTE: NOT ALL SYMBOLS/ABBREVIATIONS SHOWN IN THE LEGEND ARE USED IN THIS DRAWING SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CONTENT SHOWN ON DRAWINGS.

	RECTANGULAR DUCT, FIRST NUMBER IS DIMENSION IN VIEW OF DRAWING
	ROUND RIGID DUCT
	SUPPLY/OUTSIDE AIR DUCT ELBOW UP/DOWN
	RETURN DUCT ELBOW UP/DOWN
	EXHAUST DUCT ELBOW UP/DOWN
	RECTANGULAR DUCT 90° MITERED ELBOW WITH TURNING VANES
	TYPICAL LONG RADIUS ELBOW, RECTANGULAR/ROUND DUCT
	TYPICAL BRANCH DUCT 45° TAKE-OFF W/ VOLUME DAMPER
	DUCT RISE
	DUCT SET DOWN
	FLEXIBLE DUCT
	FIRE DAMPER
	SMOKE DAMPER
	FIRE & SMOKE DAMPER
	DUCT SMOKE DAMPER
	DUCT SOUND ATTENUATION LINING
	BACKDRAFT DAMPER
	BAROMETRIC RELIEF DAMPER
	FLEXIBLE DUCT CONNECTOR
	EQUIPMENT FLEX CONNECTOR
	ELEVATION OF TOP OF DUCT (TOD) AFF
	ELEVATION OF BOTTOM OF DUCT (BOD) AFF TRANSFER GRILLE
	DIRECTION OF SUPPLY AIR FLOW
	DIRECTION OF RETURN OR EXHAUST AIR FLOW
	SUPPLY FAN ROOF MOUNTED
	EXHAUST FAN ROOF MOUNTED
	SMOKE DETECTOR
	FAN (SCHEMATIC)
	SUPPLY AIR DIFFUSER, REGISTER, OR GRILLE
	RETURN AIR REGISTER OR GRILLE
	EXHAUST AIR REGISTER OR GRILLE

PIPE FITTINGS

PIPE FITTINGS	
	UNION
	STRAINER
	STRAINER WITH BLOW DOWN VALVE
	FLOW DIRECTION
	PIPE TURNED UP
	PIPE TURNED DOWN
	TEE BOTTOM TAKE-OFF
	TEE TOP TAKE-OFF
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	THERMOMETER
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	CIRCULATOR PUMP
	FLOAT & THERMOSTATIC TRAP
	PIPE CAPPED
	PIPE ANCHOR
PIPE VALVES	
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	BALL VALVE
	SAFETY RELIEF VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE
	TWO-WAY MOTORIZED VALVE
	THREE-WAY MOTORIZED VALVE
	PRESSURE REGULATING VALVE
	GAS COCK
	PRESSURE GAUGE WITH VALVE

DRAWING NOTATIONS

	PHASE OR ROUND DIAMETER
	DEMO LINE
	EXISTING LINE
	REVISION CLOUD WITH REVISION NUMBER
	CONNECT TO EXISTING
	REMOVE EXISTING
	MOTORIZED EQUIPMENT ABBREVIATION
	MOTORIZED EQUIPMENT NUMBER
	NON-MOTORIZED EQUIPMENT ABBREVIATION
	NON-MOTORIZED EQUIPMENT NUMBER
	DETAIL NUMBER
	DRAWING NUMBER
	SECTION LETTER
	SHEET NUMBER WHERE SECTION VIEW IS SHOWN
	RADIATION TAG
	LENGTH OF RADIATION ELEMENT
	REGISTER, GRILLE & DIFFUSER TAG
	CFM

EWB ENTERING WET BULB

EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
FA	FREE AREA
FLA	FULL LOAD AMPS
FOT	FLAT ON BOTTOM
FOB	FLAT ON TOP
FFI	FINS PER INCH
FFM	FEET PER MINUTE
FT	FEET
FVNR	FULL VOLTAGE ON-REVERSING
GAL	GALLON(S)
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
Hz	HERTZ
ID	INSIDE DIAMETER
in	INCHES
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LF	LINEAR FEET
LRA	LOCKED ROTOR AMPS
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1,000 BRITISH THERMAL UNITS PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPACITY
MCC	MOTOR CONTROL CENTER
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MIN	MINIMUM
MMBH	MILLIONS OF BTU/H
MOCOP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR OPERATED DAMPER
MRE	MECHANICAL ROOM EQUIPMENT
MTD	MOUNTED
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACTOR
NO	NORMALLY OPEN
NO.	NUMBER
NTS	NOT TO SCALE
O/A	OUTDOOR AIR
OAT	OUTSIDE AIR TEMPERATURE
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
OIT	OPERATOR INTERFACE TERMINAL
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	ELECTRICAL PHASE
PSI	POUNDS PER SQUARE INCH
R/A	RETURN AIR
RH	RELATIVE HUMIDITY
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
S/A	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SF	SQUARE FEET
SP	STATIC PRESSURE
SS	STAINLESS STEEL
TEMP	DEGREES FAHRENHEIT (°F) UNLESS OTHERWISE NOTED
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UD	UNDERCUT DOOR
VB	VACUUM BREAKER
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP

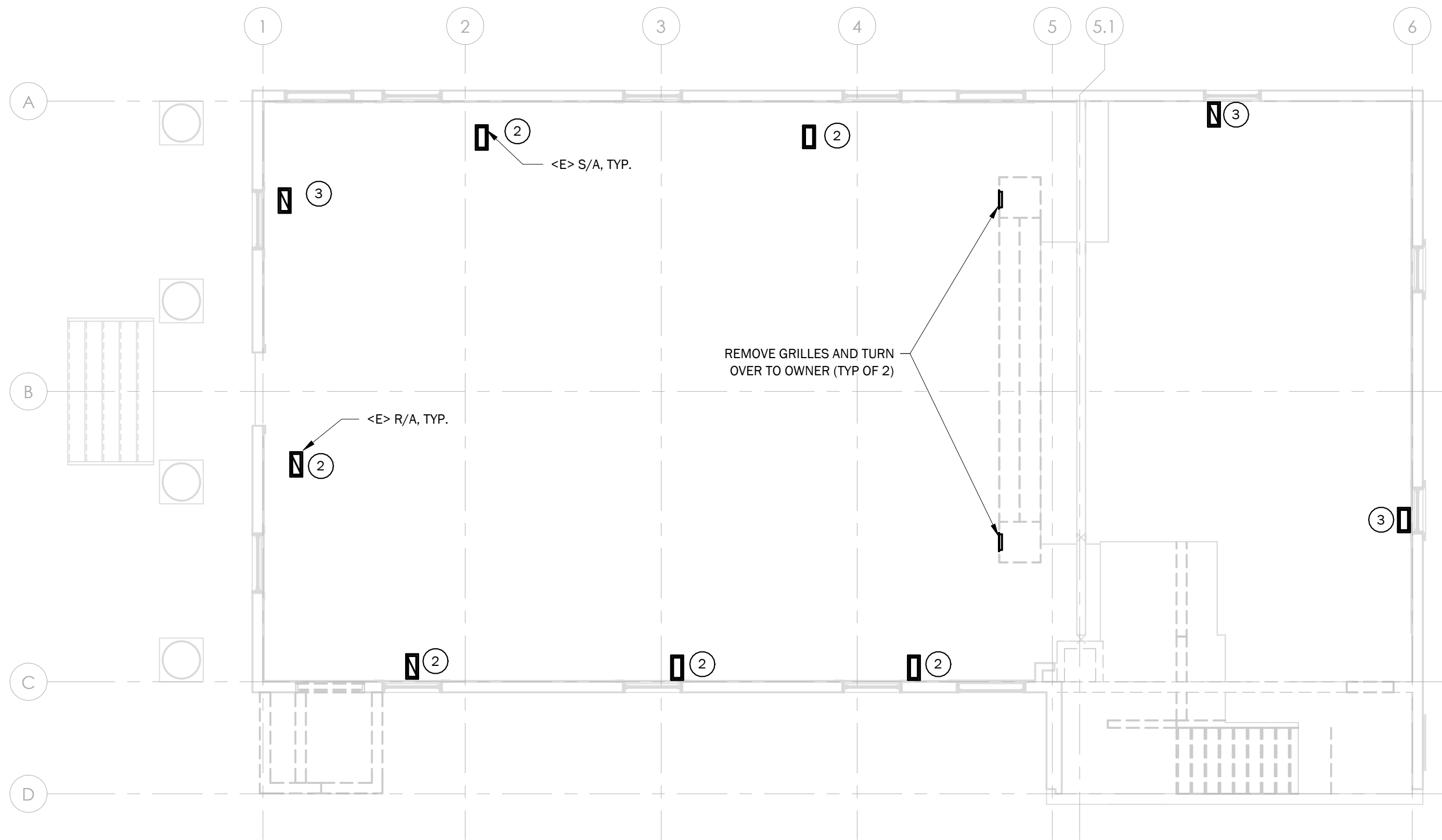
A. QUALITY OF WORK

- E. DUCTWORK
1. FABRICATE DUCTWORK FROM FIELD VERIFIED DIMENSIONS. FABRICATE DUCTWORK IN ACCORDANCE WITH SMACNA GUIDELINES (LATEST EDITION), PRIOR TO FABRICATING DUCTWORK VERIFY CEILING CLEARANCES WITH STRUCTURE, PIPES, ETC. COORDINATE THE INSTALLATION OF DUCTWORK WITH SPRINKLER PIPING. INSTALL DUCTWORK PRIOR TO INSTALLING ANY PIPING AND ELECTRICAL WORK TO REDUCE CONFLICTS.
 2. COORDINATE THE LOCATION OF CEILING AIR INLETS AND OUTLETS WITH LIGHTS, SPRINKLER HEADS, AND LIFE SAFETY DEVICES.

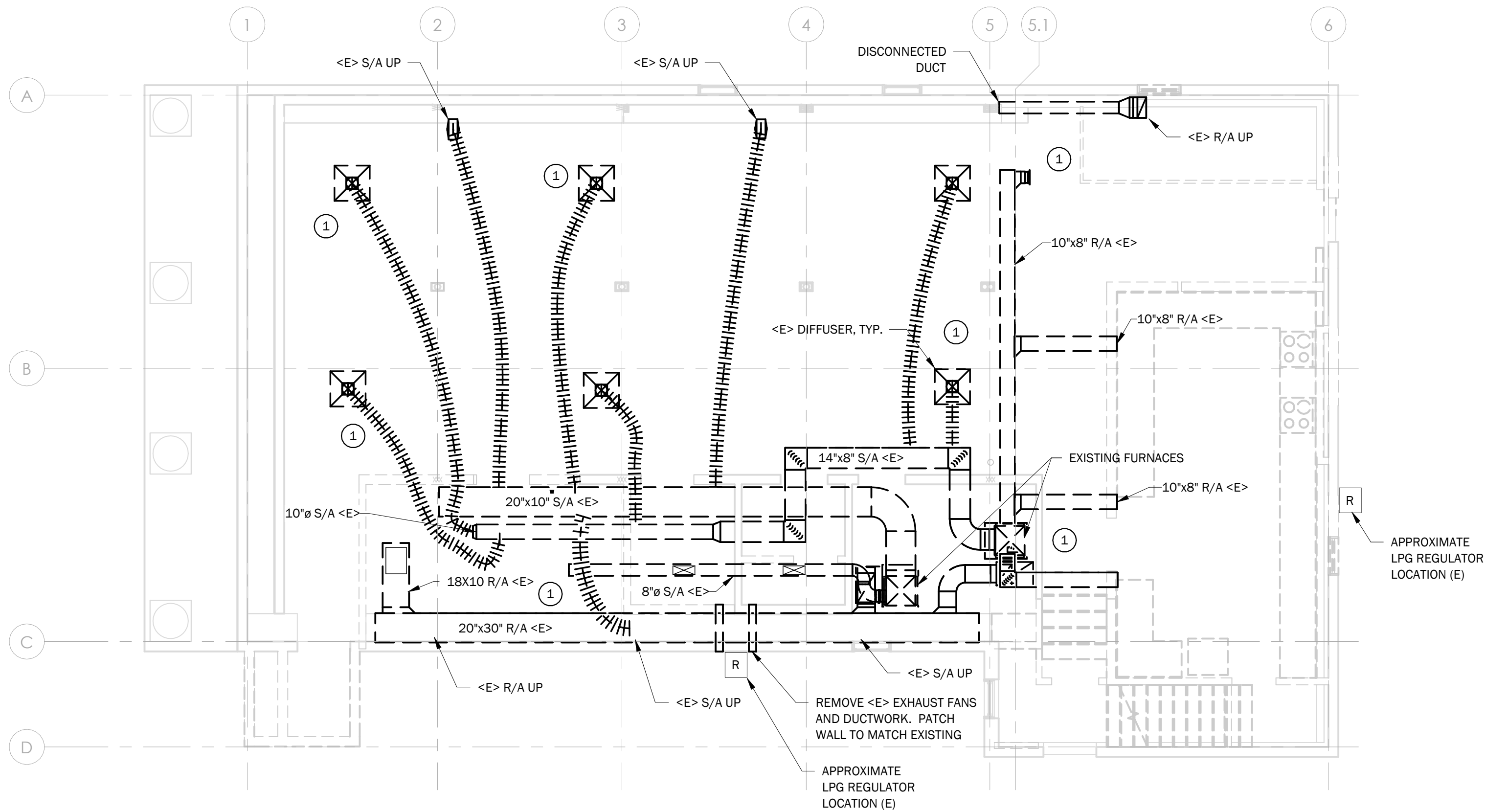
E. DUCTWORK

1. FABRICATE DUCTWORK FROM FIELD VERIFIED DIMENSIONS. FABRICATE DUCTWORK IN ACCORDANCE WITH SMACNA GUIDELINES (LATEST EDITION). PRIOR TO FABRICATING DUCTWORK VERIFY CEILING CLEARANCES WITH STRUCTURE, PIPES, ETC. COORDINATE THE INSTALLATION OF DUCTWORK WITH SPRINKLER PIPING. INSTALL DUCTWORK PRIOR TO INSTALLING ANY PIPING AND ELECTRICAL WORK TO REDUCE CONFLICTS.
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② LEVEL 1 DUCTWORK DEMOLITION PLAN
3/16" = 1'-0"



① BASEMENT DUCTWORK DEMOLITION PLAN
3/16" = 1'-0"

KEYED NOTES:

- ① ALL FLEXIBLE AND HARD DUCTS TO BE REMOVED. REMOVE LPG PIPING BACK TO REGULATOR. REMOVE FURNACES, CONDENSATE LINES, AND CONTROLS. REMOVE CEILING DIFFUSERS AND GRILLES. ALL EQUIPMENT TO BE TURNED OVER TO OWNER.
- ② REMOVE FLOOR GRILLES. PATCH EXISTING FLOORING TO MATCH EXISTING HARDWOOD FLOOR.
- ③ REMOVE AND REPLACE FLOOR GRILLES. SEE SCHEDULE FOR SIZE AND TYPE.

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NEW YORK

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REVISIONS	REVISION DESCRIPTION			BY
	NUMBER	DATE		

PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**MECHANICAL
DEMOLITION
PLANS**

DRAWN BY	DATE
PCM	02/21/25
CHECKED BY	D&K PROJECT #
SVD	529312
PROJ. ENG.	D&K ARCHIVE #
NAT	

SHEET NUMBER

M1.0

SHEET: 2 of 11

ISSUED FOR
CONSTRUCTION

02/21/25

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NEW YORK

REVISIONS			
NUMBER	DATE	REVISION DESCRIPTION	BY

SHEET TITLE:

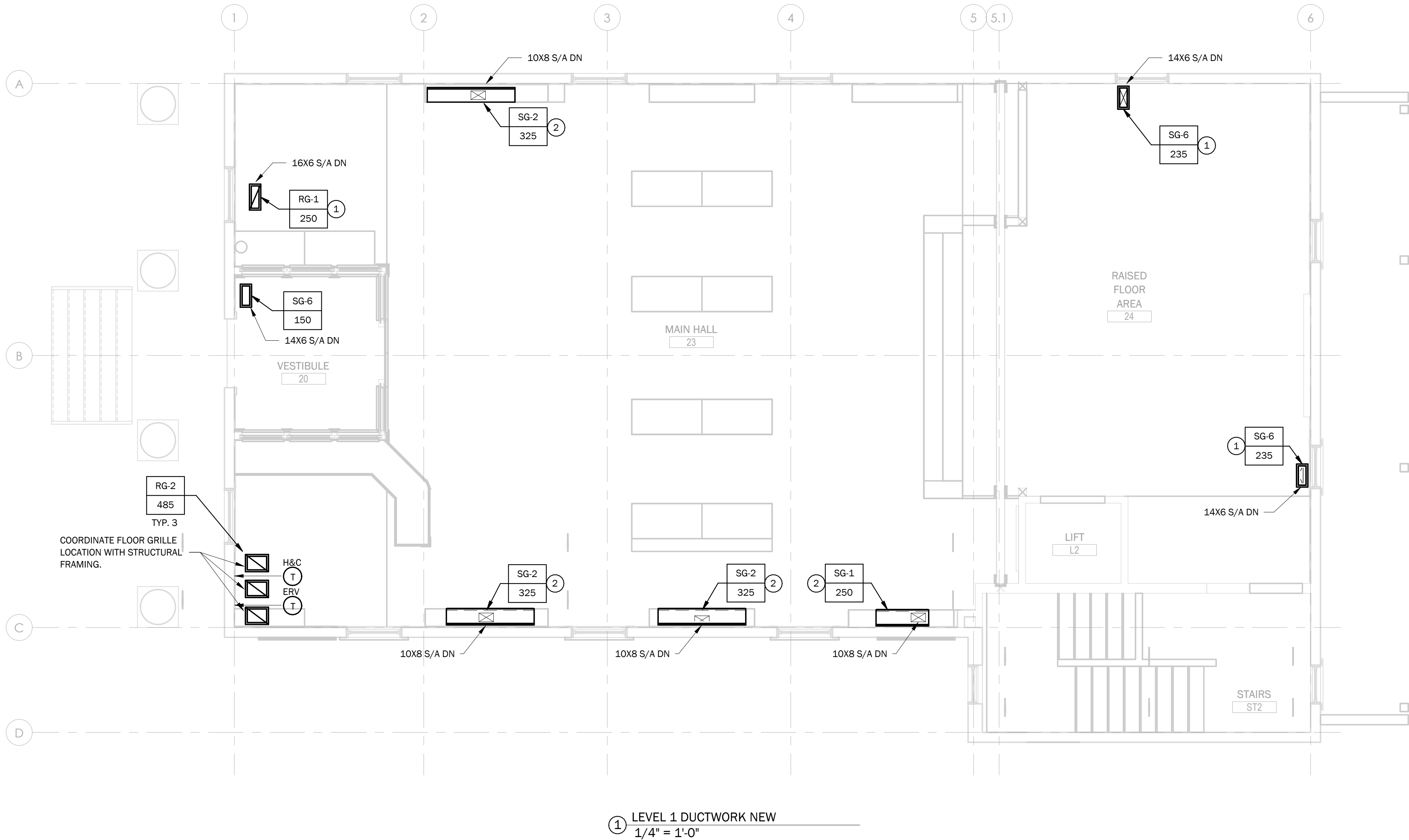
**MECHANICAL
BASEMENT
PROPOSED
PLAN**

SHEET NUMBER

SHEET: 3 of 11



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KEYED NOTES:

- ① REPLACE EXISTING FLOOR GRILLES AND DIFFUSERS WHERE NOTED. FIELD VERIFY SIZE.
- ② CENTER GRILLES IN TOE KICK OF BOOKCASES. REFER TO ARCHITECTURAL MILLWORK DRAWINGS FOR DETAILS.



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REVISIONS	REVISION DESCRIPTION			BY
	NUMBER	DATE		

PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**MECHANICAL
LEVEL 1
PROPOSED
PLAN**

DRAWN BY	DATE
PCM	02/21/25
CHECKED BY	D&K PROJECT #
SVD	529312
PROJ. ENG.	D&K ARCHIVE #
NAT	

SHEET NUMBER

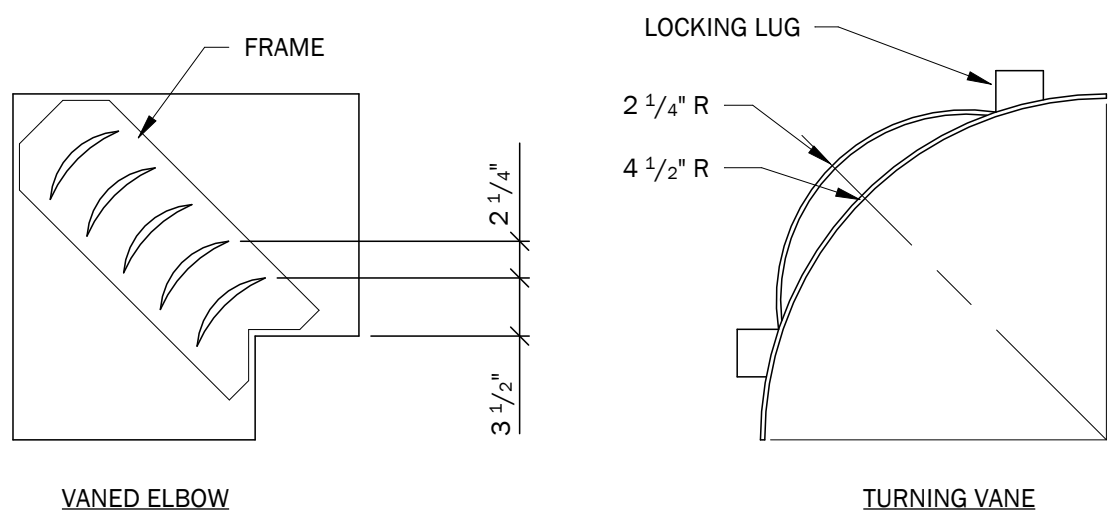
M3.0

SHEET: 4 of 11

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CONSTRUCTION

02/21/25

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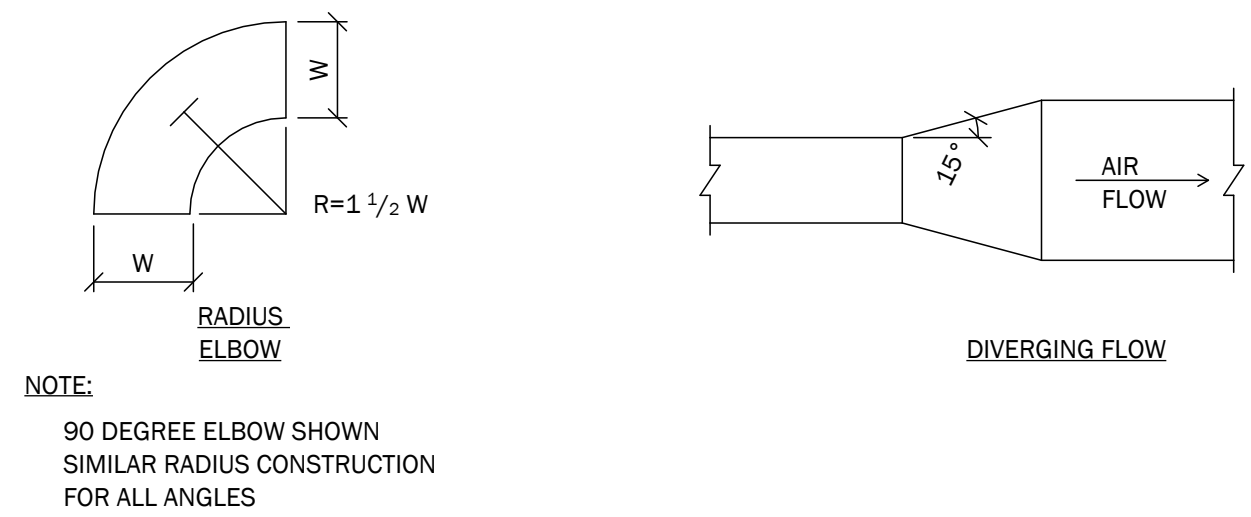
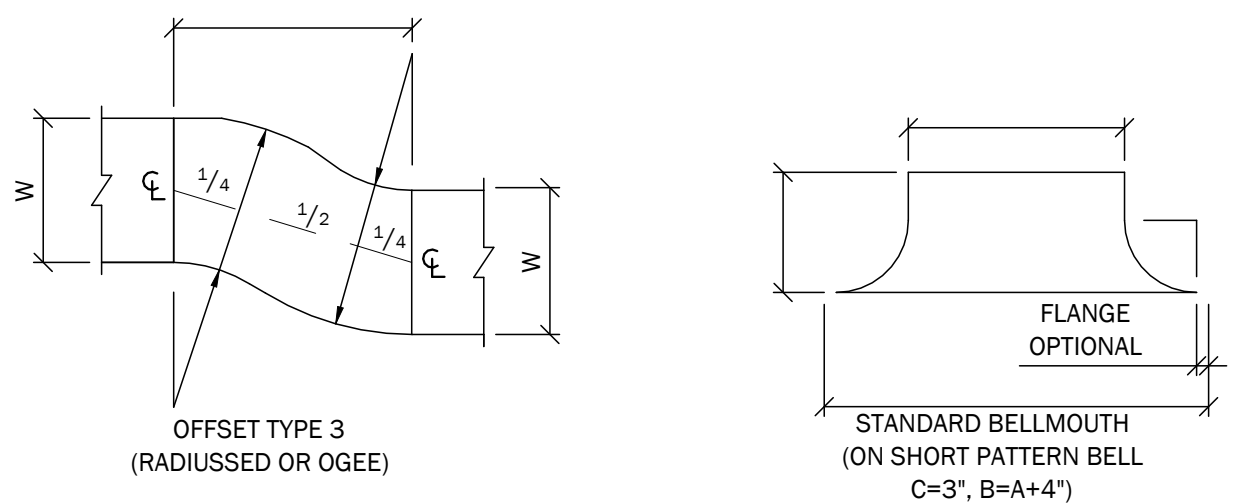
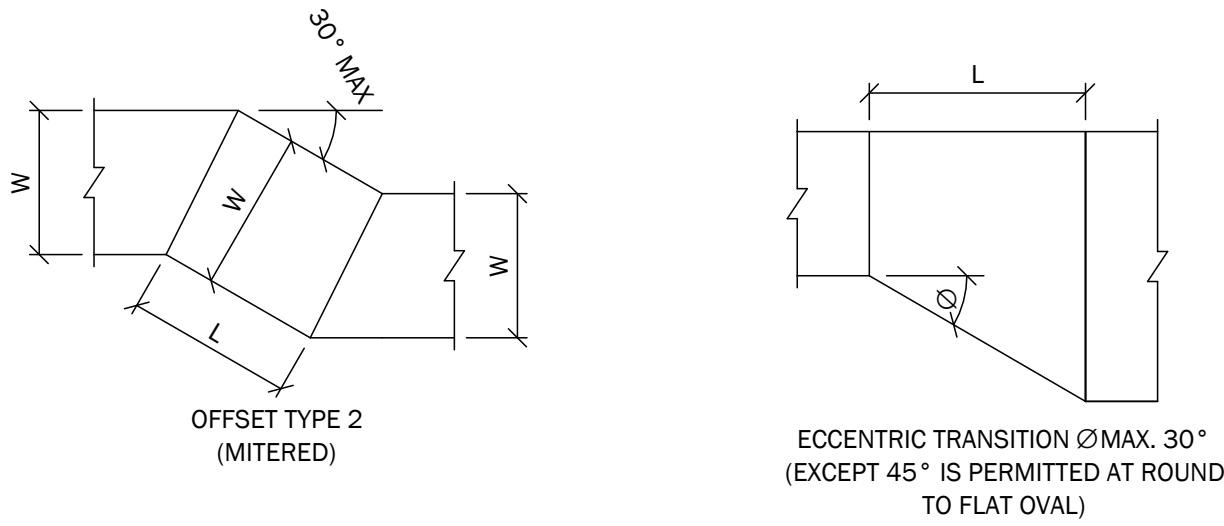
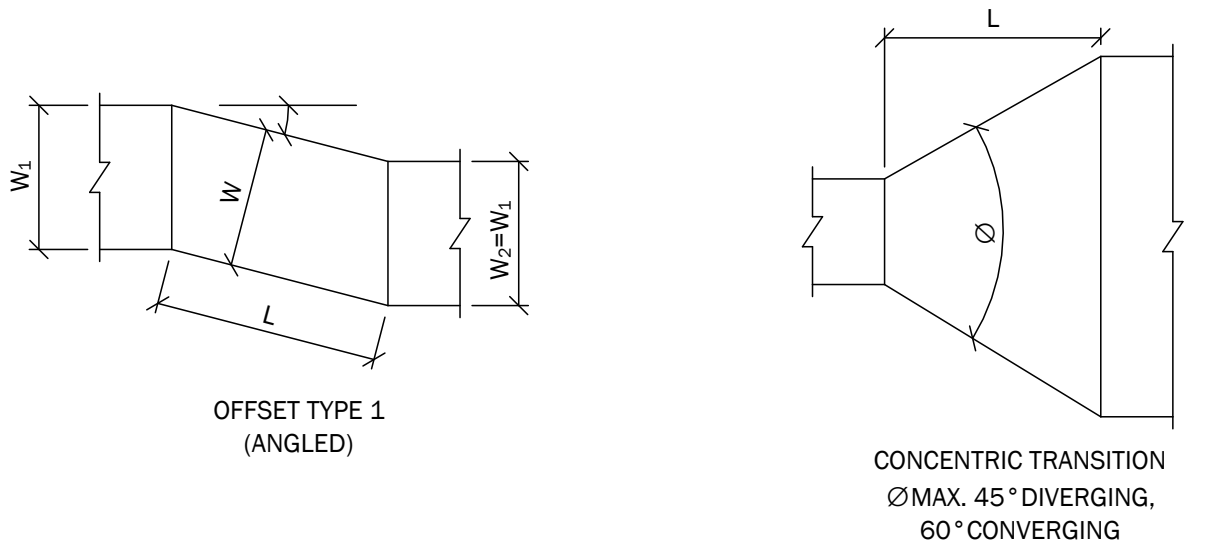
NOTES:

1. LOCKING LUGS INTEGRAL WITH VALVE
2. MAXIMUM UNSUPPORTED VANE LENGTH 48"
3. FRAMES- BOLTED OR RIVETED TO ELBOW
4. VANES AND FRAMES- SAME GAUGE AS ELBOW

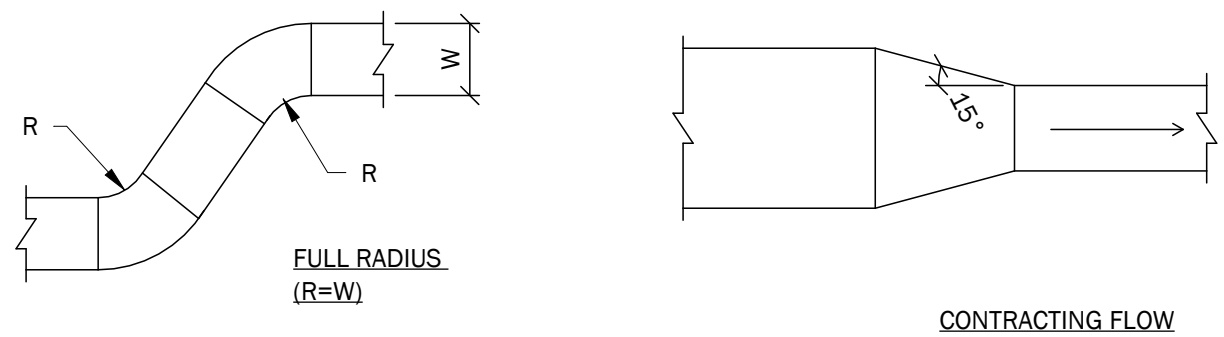
SINGLE VANE SCHEDULE			
	R	SP	GA
SMALL	2"	1 1/2"	24
LARGE	4 1/2"	3 1/4"	22

② DOUBLE THICKNESS TURNING VANES FOR SQUARE ELBOWS
NOT TO SCALE

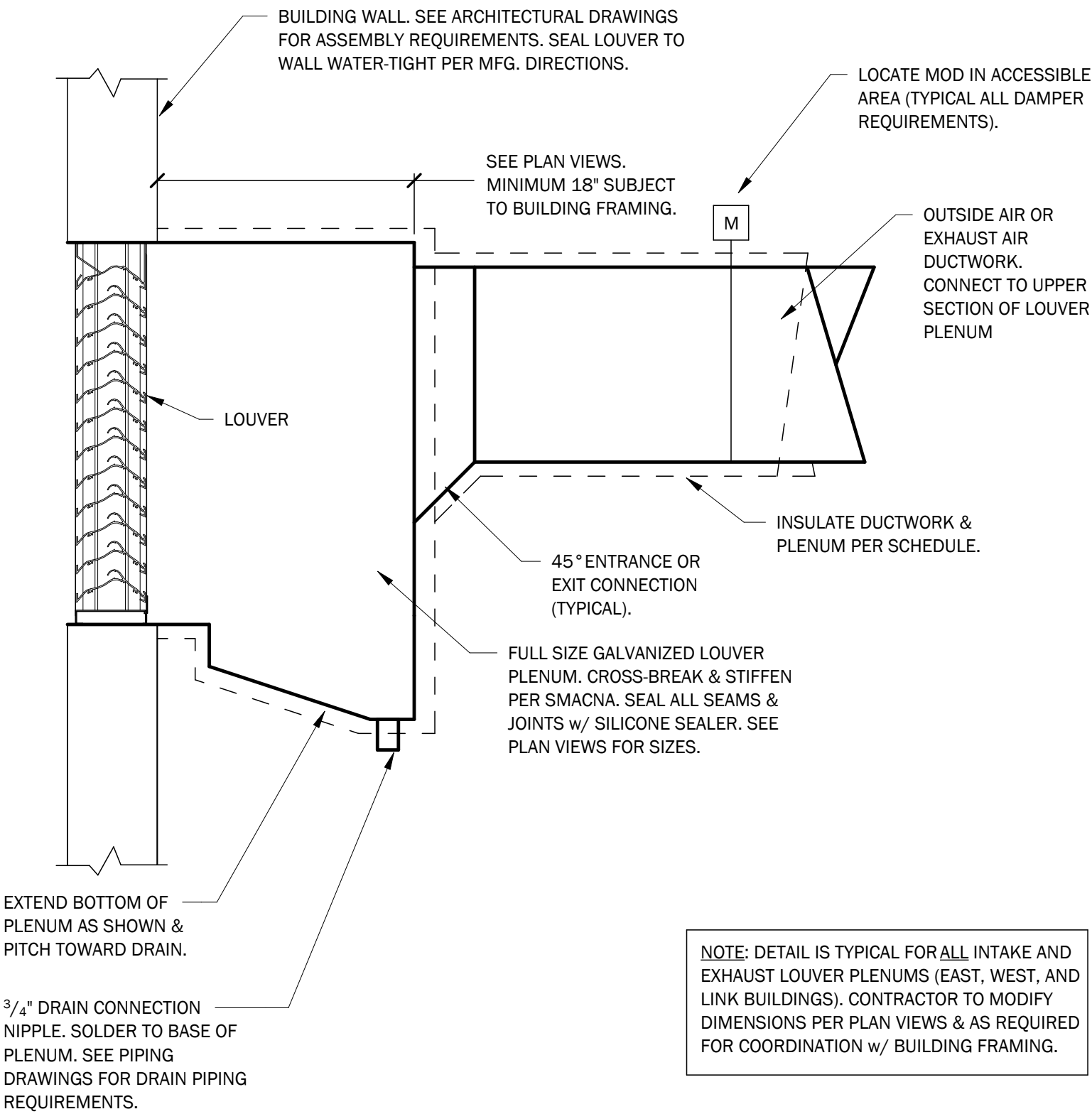
OFFSET 2 AND 3 AND TRANSITIONS MAY HAVE EQUAL OR UNEQUAL INLET AND OUTLET AREAS. TRANSITIONS MAY CONVERT DUCT PROFILES TO ANY COMBINATION FOR RECTANGULAR, ROUND OR FLAT OVAL SHAPES



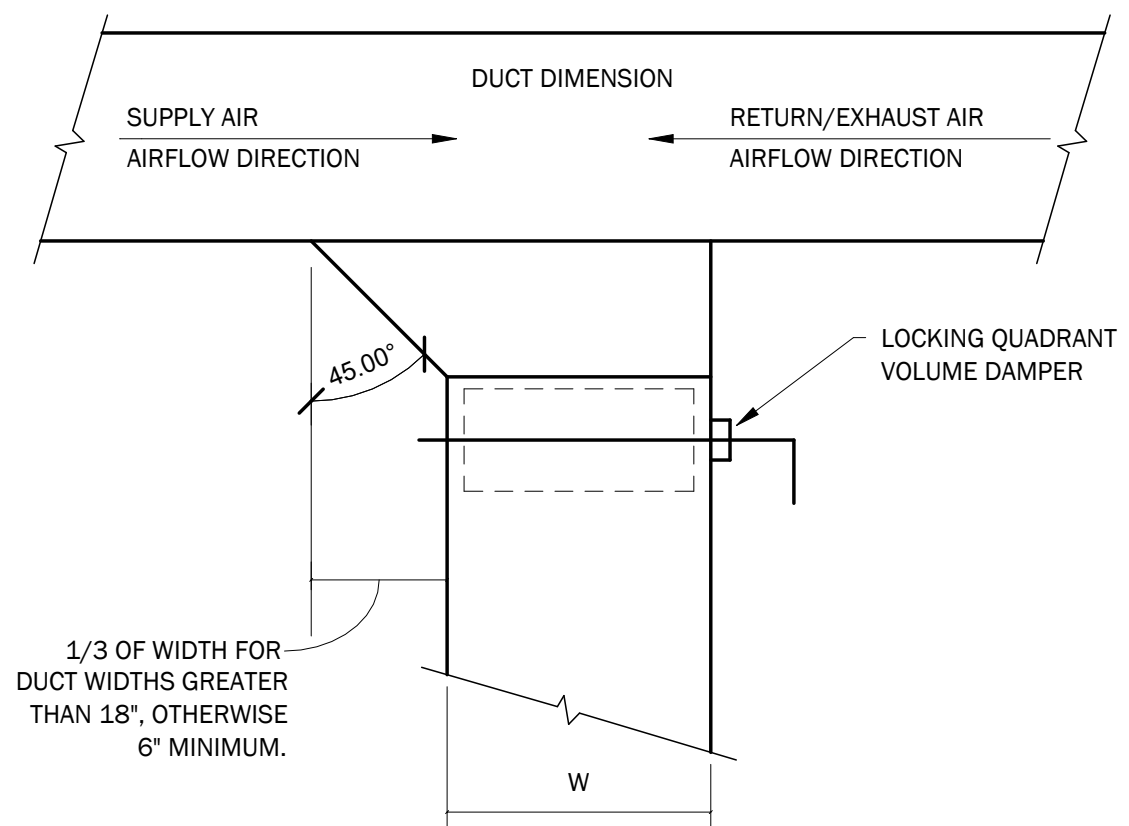
NOTE:
90 DEGREE ELBOW SHOWN
SIMILAR RADIUS CONSTRUCTION
FOR ALL ANGLES



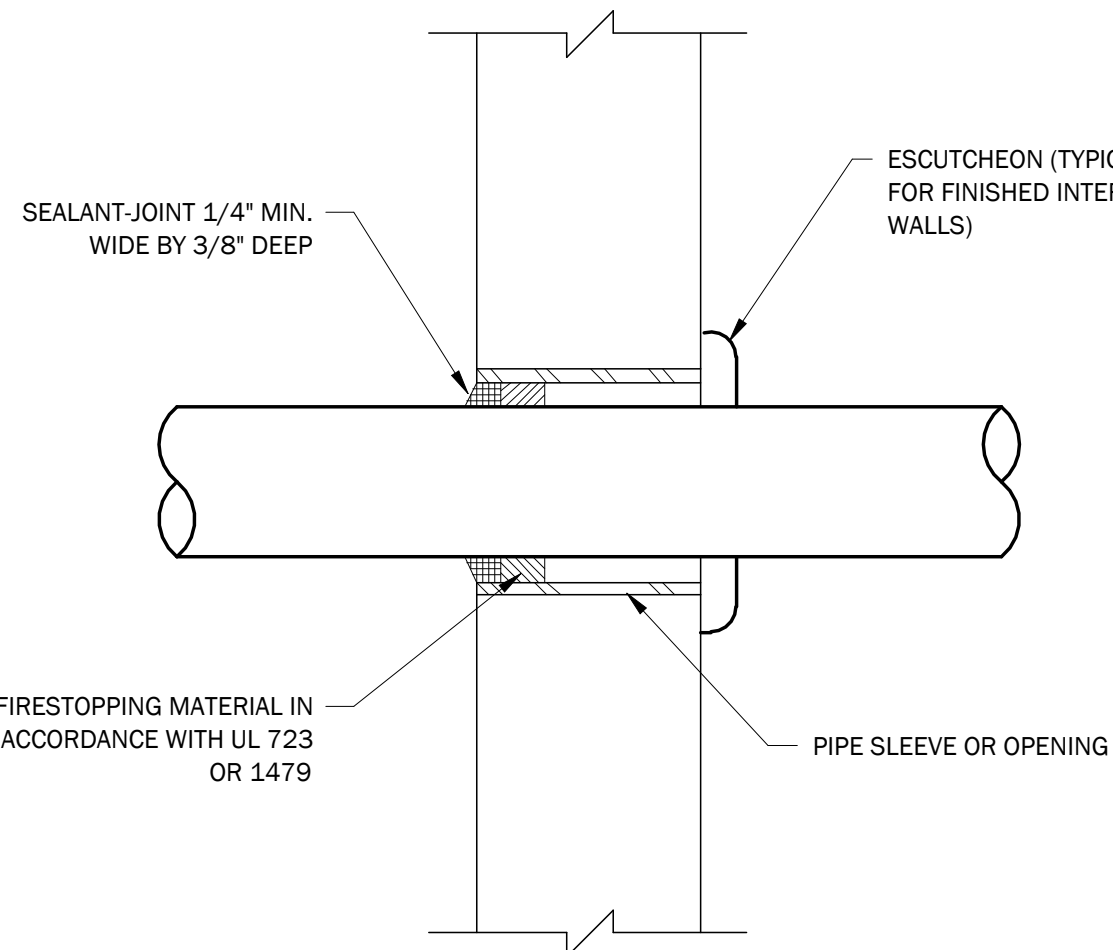
④ DUCTWORK TRANSITION SCHEMATICS
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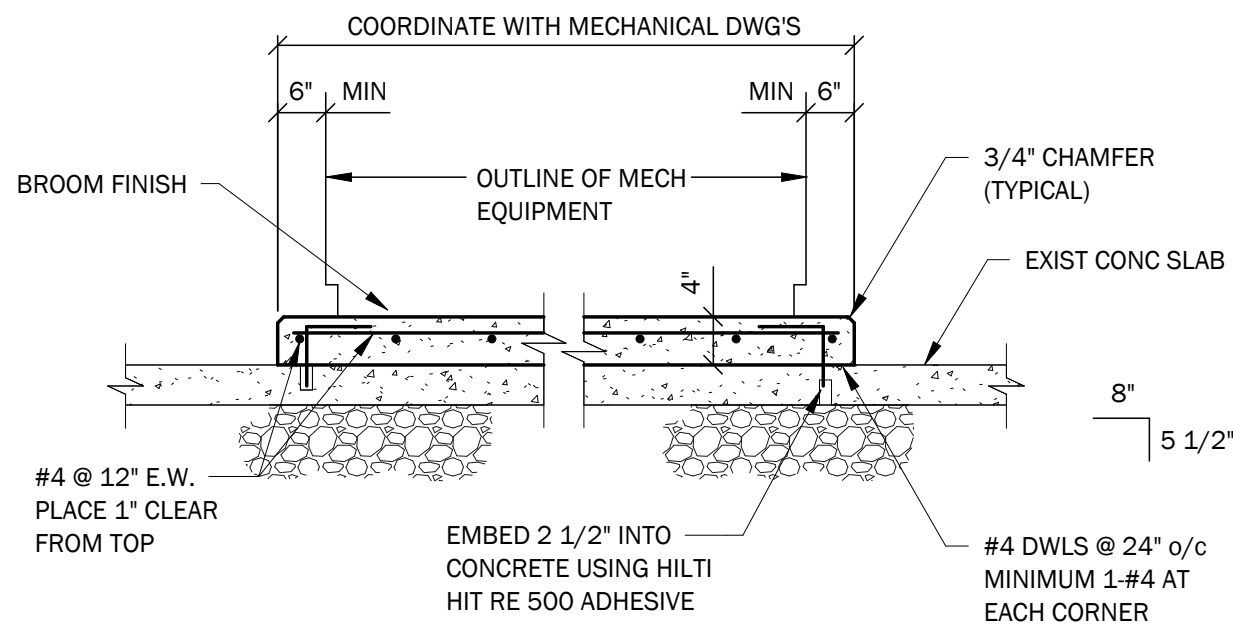
⑧ INTAKE LOUVER PLENUM DETAIL
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③ DUCT BRANCH CONNECTION DETAIL
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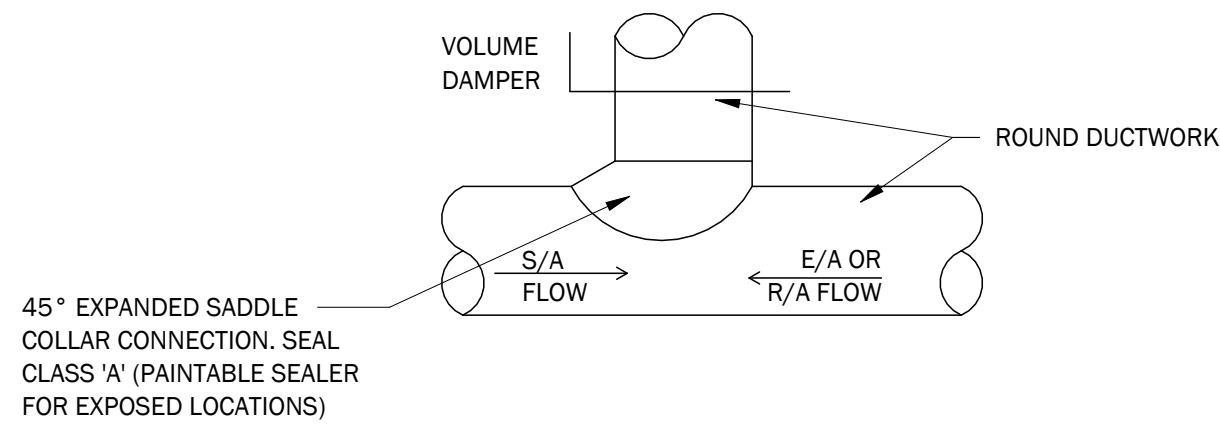
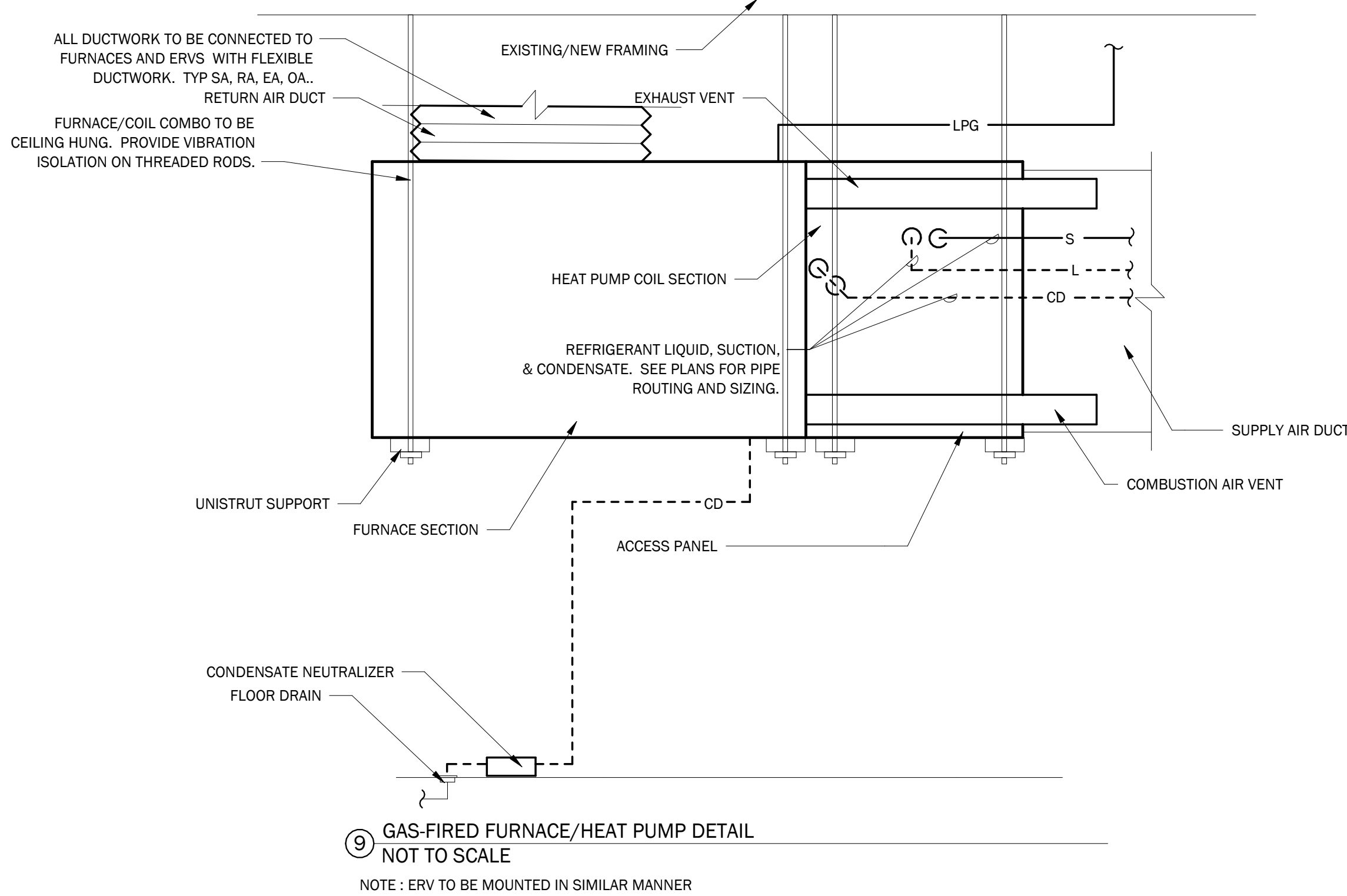


⑩ TYPICAL WALL PIPE PENETRATION DETAIL
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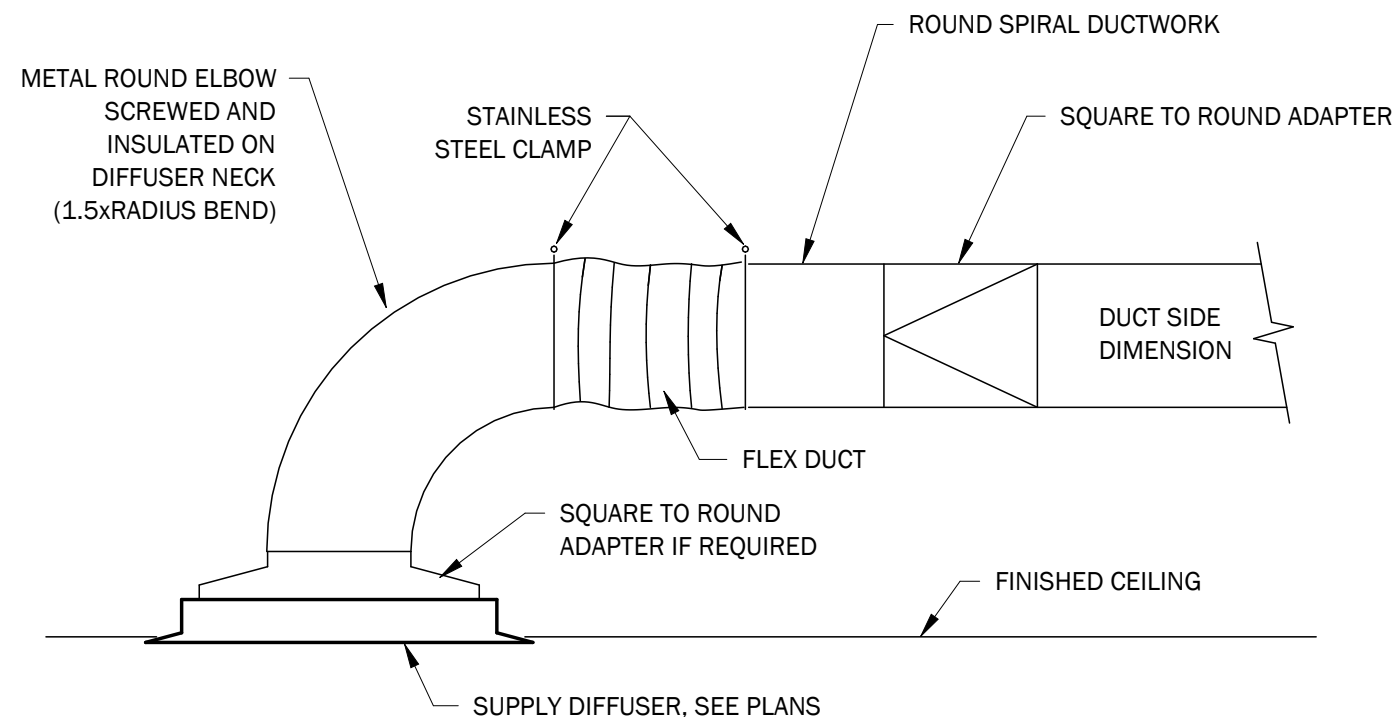


1. CONCRETE SHALL BE STONE CONCRETE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
2. COORDINATE SIZES, LOCATIONS AND QUANTITIES WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

① TYPICAL INTERIOR EQUIPMENT PAD DETAIL
NOT TO SCALE



⑥ ROUND DUCT BRANCH CONNECTION DETAIL
NOT TO SCALE



⑦ TYPICAL DIFFUSER CONNECTION DETAIL
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REVISIONS				
NUMBER	DATE	REVISION DESCRIPTION	BY	

PROJECT NAME:
MORETOWN TOWN HALL
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
MECHANICAL DETAILS

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M4.0

SHEET: 6 of 11

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ENERGY RECOVERY UNIT SCHEDULE																										
TAG	LOCATION	MANUFACTURER	MODEL	WEIGHT (LBS)	MOTORS										SUMMER ENERGY EFFECTIVENESS			WINTER ENERGY EFFECTIVENESS			ELECTRICAL					REMARKS
					SUPPLY FAN					EXHAUST FAN					DESIGN OA DB	DESIGN SA DB	TOTAL EFFECT. %	DESIGN OA DB	DESIGN SA DB	TOTAL EFF. %	VOLTS	PHASE	HZ	MCA	MOCP	
					AIRFLOW (CFM)	HP	E.S.P.	WATTS	FLA	AIRFLOW (CFM)	HP	E.S.P.	WATTS	FLA												
ERV-1	BASEMENT	RENEWAIRE	EV PREMIUM L	52	200	0.11	0.50 in-wg	82	1.2	200	0.11	0.50 in-wg	82 W	1.2	82.0 °F	76.9 °F	52.0	-10 °F	48.4 °F	69.6	120	1	60	15	15 A	
ERV-2	BASEMENT	RENEWAIRE	EV PREMIUM L	52	250	0.11	0.50 in-wg	82	1.2	250	0.11	0.50 in-wg	82 W	1.2	82.0 °F	76.7 °F	56.6	-10 °F	50.9 °F	73.2	120	1	60	15	15 A	

PROVIDE (1) PERCENTAGE TIMER CONTROL (PTL) FOR EACH ERV.

HEAT PUMP, SPLIT TYPE OUTDOOR UNIT SCHEDULE																				
TAG	MATCHED UNIT TAG	LOCATION	MANUFACTURER	MODEL	COOLING CONDITION				HEATING CONDITION				ELECTRICAL				REFRIGERANT	SOUND (DBA)	WEIGHT	REMARKS
					COOLING CAPACITY	EAT DB	EAT WB	EFFICIENCY		HEATING CAPACITY	EAT DB	COP	VOLTS	PHASE	HZ	MCA				
								EER	SEER											
HP-1	FC-1	WEST	BOSCH	BOV36HDN1-M20G	3 ton	82 °F	68 °F	11.2	17	34,200 Btu/h	17 °F	2.3	230 V	1	60 Hz	3.8 A	410A	65	126 lb	
HP-2	FC-2	WEST	BOSCH	BOV60HDN1-M20G	5 ton	82 °F	68 °F	11.7	18	60,000 Btu/h	17 °F	2.2	230 V	1	60 Hz	5.7 A	410A	68	170 lb	

HEAT PUMP, SPLIT TYPE INDOOR UNIT COIL SCHEDULE												
TAG	MANUFACTURER	MODEL	COOLING PERFORMANCE			HEATING PERFORMANCE			CFM	E.S.P.	WEIGHT (lbs)	REMARKS
			CAPACITY	EAT		CAPACITY	EAT					
				DB	WB		DB	WB				
C-1	BOSCH	BMAC3036ANTD	3 ton	75 °F	62 °F	34000 Btu/h	70 °F	1,050 CFM	0.40 in-wg	46		
C-2	BOSCH	BMAC4860CNTF	5 ton	75 °F	62 °F	36800 Btu/h	70 °F	1,450 CFM	0.35 in-wg	83		

FURNACE SCHEDULE																	
TAG	LOCATION	MANUFACTURER	MODEL	FUEL	HEATING CAPCITY					HIGH AIRFLOW	LOW AIRFLOW	ELECTRICAL				WEIGHT	REMARKS
					HIGH INPUT	HIGH OUTPUT	LOW INPUT	LOW OUTPUT	EFFICIENCY (%)			MOP	VOLTS	PHASE	HZ		
F-1	BASEMENT	BOSCH	BGH96M060B3B	PROPANE	60,000 Btu/h	57,000 Btu/h	39,000 Btu/h	37,000 Btu/h	95	1,050 CFM	800 CFM	15.0	115 V	1	60 Hz	135 lb	
F-2	BASEMENT	BOSCH	BGH96M100C5B	PROPANE	100,000 Btu/h	95,000 Btu/h	65,000 Btu/h	62,000 Btu/h	95	1,600 CFM	1,150 CFM	20.0	115 V	1	60 Hz	195 lb	

LOUVER SCHEDULE															
TAG	TYPE	APPLICATION	SCREEN	FRAME	CFM	MATERIAL	WIDTH	HEIGHT	FREE AREA	VELOCITY	DAMPER TYPE	MANUFACTURER	MODEL	REMARKS	
L-1	DRAINABLE BLADE	OUTDOOR AIR	1/2" BIRD	4" HEAVY GAUGE	450	ALUMINUM	2' - 6"	1' - 6"	1.58 SF	285 FPM	MOD	GREENHECK	ESD-435	PROVIDE PAINT COLOR CHART TO ARCHITECT FOR SELECTION	
L-2	DRAINABLE BLADE	EXHAUST AIR	1/2" BIRD	4" HEAVY GAUGE	450	ALUMINUM	2' - 0"	1' - 6"	1.23 SF	366 FPM	BDD	GREENHECK	ESD-435	PROVIDE PAINT COLOR CHART TO ARCHITECT FOR SELECTION	

FAN SCHEDULE											
TAG	MANUFACTURER	MODEL	TYPE	AIRFLOW (CFM)	MOP	MAX (DBA)	MOTOR			WEIGHT	REMARKS
							VOLTS	PHASE	AMPS		
KH-1	GREENHECK	GRRS-W-36	KITCHEN HOOD	300	15	61	115 V	1	1.2 A	93 lbf	

INTEGRAL FAN, REAR DISCHARGE. PROVIDE WALL CAP, 115VAC 7 WATT E26 LED LIGHTING, FULL COLOR LCD TOUCH SCREEN

GRILLES, REGISTERS & DIFFUSERS					
TAG	MANUFACTURER	MODEL	NECK SIZE	TYPE & MODEL	COMMENTS
EG-1	PRICE	530FF	6"x5"	530FF	
EG-4	PRICE	530FF	6"x6"	530FF	
RG-1	PRICE	530FF	16"x6"	530FF	
RG-2	PRICE	530FF	14"x10"	530FF	
RG-3	PRICE	530FF	24"x14"	530FF	
SG-1	PRICE	LBP	36"x2"	LINEAR BAR GRILLES PRESSED CORE/LBP	
SG-2	PRICE	LBP	60"x2"	LINEAR BAR GRILLES PRESSED CORE/LBP	
SG-3	PRICE	520	8"x6"	LOUVERED GRILLE/520	
SG-4	PRICE	520	20"x6"	LOUVERED GRILLE/520	
SG-5	PRICE	SCD-31	6"x6"	SUPPLY DIFFUSER T-BAR LAY IN/SCD-31	
SG-6	PRICE	520	14"x6"	LOUVERED GRILLE/520	

DUCTWORK INSULATION SCHEDULE					
APPLICATION	TYPE (NOTE 7)	THICKNESS	DENSITY	JACKET	REMARKS
INTERIOR SUPPLY DUCTWORK	FIBERGLASS WRAP	1.5" (MIN. R=40)	0.75 PCF	FOIL FACED	-
EXHAUST AIR DUCT FROM ERV TO LOUVER PLENUM	FIBERGLASS WRAP	1.5" (MIN. R=4.0)	0.75 PCF	FOIL FACED	-
OUTSIDE AIR DUCT FROM LOUVER PLENUM TO ERV	FIBERGLASS WRAP	1.5" (MIN. R=4.0)	0.75 PCF	FOIL FACED	-
LOUVER PLENUMS	FIBERGLASS BOARD	1.5" (MIN. R=4.0)	-	FOIL FACED	-
DUCT LINER	CLOSED CELL ELASTOMERIC FOAM	1"	-	-	-

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1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
MECHANICAL SCHEDULES

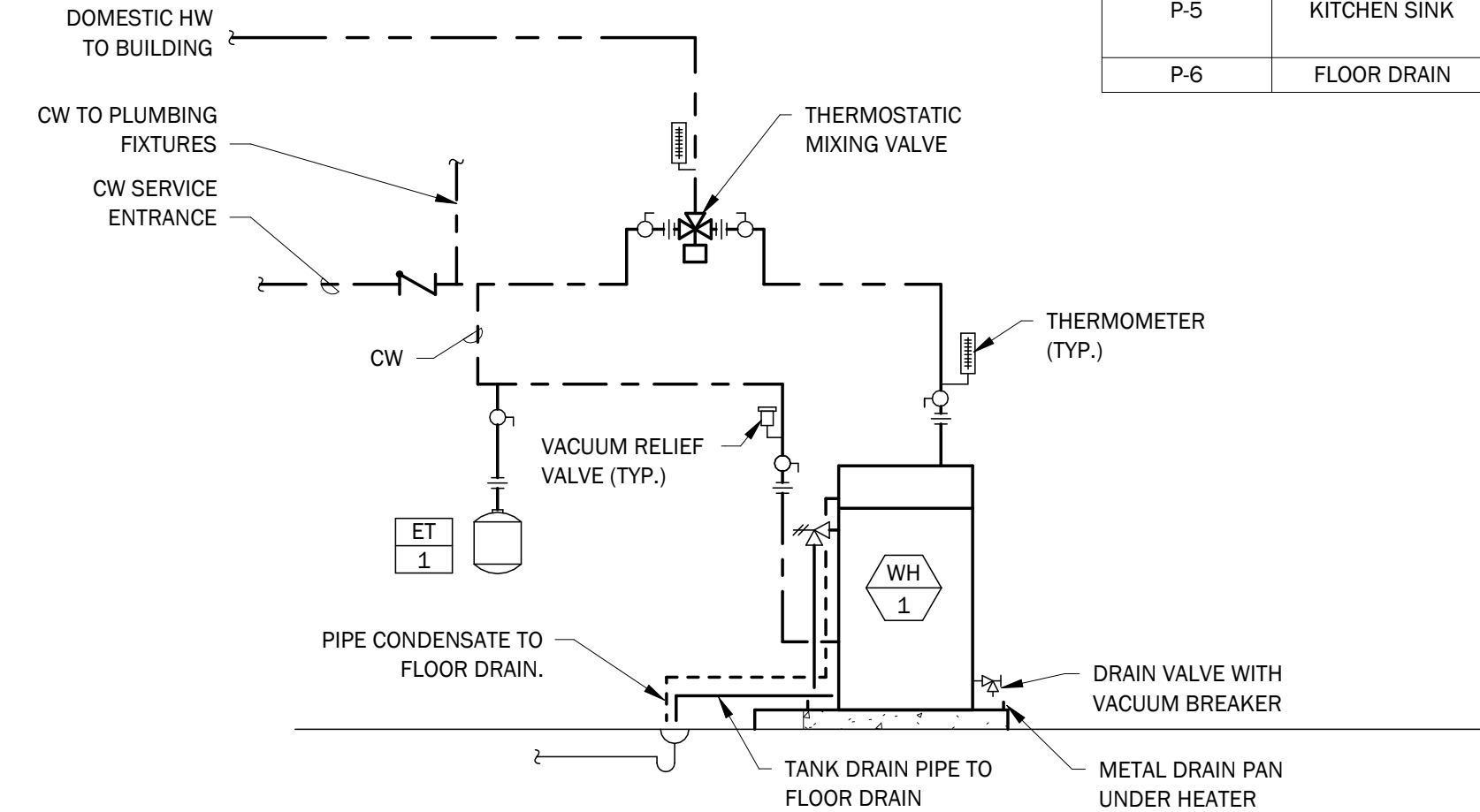
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SHEET: 5 of 11

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DOMESTIC HEAT PUMP WATER HEATER DETAIL

N.T.S.

PLUMBING LEGENDS & ABBREVIATIONS			
NOTE: NOT ALL SYMBOLS/ABBREVIATIONS SHOWN IN THE LEGEND ARE USED IN THIS DRAWING SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY CONTENT SHOWN ON DRAWINGS.			
PLUMBING SYSTEMS	PIPE VALVES	DRAWING NOTATIONS	ABBREVIATIONS
COLD WATER	GATE VALVE	PHASE OR ROUND DIAMETER	AD AREA DRAIN
HOT WATER	GLOBE VALVE	DEMO LINE	BTU BRITISH THERMAL UNITS
HOT WATER RECIRCULATION	CHECK VALVE	EXISTING LINE	CO CLEANOUT
SANITARY	BACKFLOW PREVENTER	REVISION CLOUD WITH REVISION NUMBER	CPVC CHLORINATED POLYVINYL CHLORIDE (PIPE)
SANITARY LINE BELOW FLOOR/GRADE	BALL VALVE	CONNECT TO EXISTING	DCW DOMESTIC COLD WATER
SANITARY VENT	SAFETY RELIEF VALVE	REMOVE EXISTING	DF DRINKING FOUNTAIN
STORM DRAINAGE	BUTTERFLY VALVE	MOTORIZED EQUIPMENT ABBREVIATION	DFU DRAINAGE FIXTURE UNIT
STORM DRAINAGE BELOW FLOOR/GRADE	ELECTRIC SOLENOID ACTUATED SAFETY SHUTOFF VALVE	NON-MOTORIZED EQUIPMENT ABBREVIATION	DHW DOMESTIC HOT WATER
COMPRESSED AIR	PRESSURE REGULATING/REDUCING VALVE	DETAIL NUMBER	DHWC DOMESTIC HOT WATER RECIRCULATION
MEDICAL GAS: NITROGEN	PRESSURE GAUGE WITH VALVE	SECTION LETTER	DS DOWNSPOUT
MEDICAL GAS: NITROUS OXIDE	BALANCING VALVE	SHEET NUMBER WHERE SECTION VIEW IS SHOWN	DW DISHWASHER
MEDICAL GAS: OXYGEN	PLUMBING EQUIPMENT		DWH DOMESTIC WATER HEATER
MEDICAL GAS: VACUUM	(PLUMBING & DRAINAGE INSTITUTE SIZE CATEGORY) WATER HAMMER ARRESTOR	SANITARY WASTE, VENT RISER DIAGRAM	DWV DRAIN, WASTE, AND VENT
MEDICAL GAS: COMPRESSED AIR	FLOOR DRAIN TRAP PRIMER	WATER, LP GAS RISER DIAGRAM	<E> EXISTING TO REMAIN
UNION	FLOOR DRAIN		EF EFFICIENCY FACTOR
STRAINER	ROOF DRAIN		ET THERMAL EFFICIENCY
STRAINER WITH BLOW DOWN VALVE	FLOOR CLEANOUT		EWC ELECTRIC WATER COOLER
FLOW DIRECTION	WALL CLEANOUT		FD FLOOR DRAIN
PIPE TURNED UP	FIXTURE OR DRAIN TRAP		FDG FIRE DEPARTMENT (SIAMESE) CONNECTION
PIPE TURNED DOWN	HOSE BIBB		FS FLOOR SINK
TEE BOTTOM TAKE-OFF	WALL HYDRANT		GI GREASE INTERCEPTOR
TEE TOP TAKE-OFF	CIRCULATOR PUMP		HB HOSE BIBB
PIPE CONTINUED			IDW INDIRECT WASTE
PIPE CAPPED			LAV LAVATORY
CONCENTRIC REDUCER			MS MOP SINK
ECCENTRIC REDUCER			MTD MOUNTED
FLEXIBLE PIPE CONNECTOR			NFHB NON-FREEZE HOSE BIBB
FLOW SWITCH			PRV PRESSURE REDUCING VALVE
MANUAL AIR VENT			PVC POLYVINYL CHLORIDE (PIPE)
AUTOMATIC AIR VENT			RD ROOF DRAIN
			RL RAIN LEADER
			SD STORM DRAINAGE
			TMV THERMOSTATIC MIXING VALVE
			U URINAL
			V VENT
			VTR VENT THROUGH ROOF
			W SANITARY WASTE
			WC WATER CLOSET
			WCO WALL CLEANOUT
			WH WALL HYDRANT
			WSFU WATER SUPPLY FIXTURE UNITS

HEAT PUMP WATER HEATER SCHEDULE											
TYPE	MARK	MANUFACTURER	MODEL	WH TYPE	FIRST HOUR GPH	STORAGE CAPACITY	HEATING ELEMENT	VOLTAGE	PHASE	FREQUENCY	NOTES
WH	1	STATE	HPX50DHPTNE	HYBRID ELECTRIC	66	50 gal	4500 W	240 V	1	60 Hz	

PLUMBING FIXTURE SCHEDULE									
ITEM	DESCRIPTION	MANUFACTURER	MODEL	TRIM & ACCESSORIES	CONNECTION SIZE				REMARKS
					WASTE	VENT	CW	HW	
P-1ADA	ADA WATER CLOSET	AMERICAN STANDARD	3517A.101	5901.100 OPEN FRONT SEAT LESS COVER, 4188A.105 RIGHT SIDE TRIP LEVER TANK	3"	2"	1/2"	0"	
P-2ADA	ADA LAVATORY	KOHLER	GREENWICH K-2031	SYMMONS IDENTITY FAUCET MODEL SLS6710-0.5	1 1/4"	1 1/2"	1/2"	1/2"	
P-3	SERVICE SINK	FIAT	MSB2424	SYMMONS S-2490 FAUCET, OPTIONS AND ACCESSORIES TO BE SPECIFIED BY OWNER	3"	2"	1/2"	1/2"	
P-4	WATER COOLER	ELKAY	LVRCGRNTL8WSK		1 1/2"	1 1/2"	1/2"	0"	
P-5	KITCHEN SINK	ELKAY	LUSTERSTONE LRAD372265	37"x22" WITH SYMMONS ORIGINS SK23-10 1 GPM FAUCET, LK99 DRAINS	1 1/2"	1 1/2"	1/2"	1/2"	
P-6	FLOOR DRAIN	Zurn Industries, LLC	Z415B	3" PIPE SIZE, 5" DIA. STRAINER	3"	2"			

EXPANSION TANK SCHEDULE					
TYPE	MARK	MANUFACTURER	MODEL	ACCEPTANCE	DIMENSIONS D/H
ET	1	AMTROL	ST-12-C	0.5 GAL	12"/18"

PLUMBING GENERAL NOTES

QUALITY OF WORK

- CONTRACT DOCUMENTS ARE IN PART DIAGRAMMATIC. INTENDED TO CONVEY SCOPE & ARRANGEMENT OF WORK. CONSULT ELECTRICAL AND STRUCTURAL CONSTRUCTION DRAWINGS FOR FAMILIARITY WITH CONDITIONS AFFECTING WORK. VERIFY SPACES IN WHICH WORK MUST BE PERFORMED BY ON-SITE MEASUREMENTS. DO NOT SCALE DRAWINGS.
- CONTRACTOR MUST VERIFY EXISTING CONDITIONS AS THERE MAY BE VARIOUS CONDITIONS AT THE SITE WHICH DO NOT SHOW ON THE ACCOMPANYING DRAWINGS, OR WHICH ARE AT VARIANCE WITH THE CONDITIONS INDICATED ON THE DRAWINGS. IT IS IMPORTANT THAT EACH BIDDER VISIT THE SITE TO BECOME ACQUAINTED WITH THE EXISTING CONDITIONS, AND TO TAKE THESE CONDITIONS INTO CONSIDERATION WHEN PREPARING THEIR PROPOSAL. EACH BIDDER MUST OBTAIN INFORMATION OR MAKE MEASUREMENTS DESIRED. LACK OF KNOWLEDGE RELATIVE TO THE EXISTING SITE CONDITIONS IS NOT ALLOWED AS A BASIS FOR EXTRA COMPENSATION.
- THE PLUMBING CONTRACTOR MUST PROVIDE MATERIALS, EQUIPMENT, AND LABOR TO FABRICATE NEW PLUMBING INSTALLATIONS AS SHOWN ON THE DRAWINGS AND AS SPECIFIED HEREIN:
 - FURNISH AND INSTALL PIPING, CONNECTIONS, AND HARDWARE NECESSARY FOR AN ENTIRE OPERATING SYSTEM.
 - A LICENSED PLUMBER MUST PERFORM PLUMBING WORK.
- WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER MUST BE USED.
- WORKSMANSHIP, MATERIALS, AND EQUIPMENT MUST BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY THE OWNER.

CODES/PERMITS

- WORK MUST BE PERFORMED IN STRICT ACCORDANCE WITH THE UNDERWRITERS LABORATORY STANDARDS AND MUNICIPAL, STATE AND OTHER AUTHORITIES' REGULATIONS, PUBLIC AND PRIVATE, HAVING JURISDICTION. REPORT DISCREPANCIES WITH SUCH REGULATIONS TO ENGINEER AND DO NOT PROCEED WITH WORK UNTIL WRITTEN AUTHORIZATION IS RECEIVED FROM THE ENGINEER.
- NECESSARY FEES, PERMITS, AND APPROVALS AS REQUIRED BY THE WORK OF THESE DRAWINGS AND SPECIFICATIONS MUST BE OBTAINED AND PAID FOR BY THIS CONTRACTOR.
- NOTHING CONTAINED IN THE SPECIFICATIONS OR INDICATED ON THESE DRAWINGS IS TO BE CONSTRUED TO CONFLICT WITH APPLICABLE PORTIONS OF LAWS, ORDINANCES, REGULATIONS, OR CODES.

COORDINATION OF WORK

- COORDINATE CONSTRUCTION OF PLUMBING WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
- PLUMBING CONTRACTOR MUST DISCONNECT, REMOVE, AND PROPERLY DISPOSE OF PLUMBING MATERIALS AND EQUIPMENT IN ORDER TO PREPARE EXISTING AREAS AND BUILDINGS FOR RENOVATION WORK. CONTRACTOR TO CLOSELY COORDINATE WITH THE GENERAL CONTRACTOR TO PROVIDE ENTIRE DEMOLITION OF NECESSARY AREAS AND SYSTEMS. CONTRACTOR MUST REVIEW PROJECT DOCUMENTS FOR EXTENT OF DEMOLITION REQUIREMENTS - ENTIRE DEMOLITION SCOPE IS NOT NECESSARILY NOTED ON THE PLUMBING DRAWINGS.
- THE LOCATIONS OF ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE MOST DESIRABLE CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND MUST HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE THE DRAWINGS.
- PROVIDE LOCATIONS OF REQUIRED ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS TO SERVICE VALVES, DAMPERS, AND OTHER CONCEALED PLUMBING EQUIPMENT. GENERAL CONTRACTOR MUST FURNISH & INSTALL ACCESS PANELS.
- LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS MUST BE COORDINATED WITH OTHER TRADES INVOLVED. OPENINGS IN FIRE WALLS DUE TO PIPING MUST BE FIRE STOPPED.

PIPING

- TAKE NECESSARY MEASUREMENTS AT THE BUILDING AND FABRICATE THE PIPING ON THE SITE, IF REQUIRED, TO PROVIDE AN APPROVABLE INSTALLATION.
- INSTALL PIPING CONCEALED ABOVE CEILING OR IN WALL CHASES UNLESS OTHERWISE INDICATED. EXPOSED PIPING IS TO BE 3/4" MINIMUM FROM WALL SURFACE.
- PROVIDE STOP VALVES AT FIXTURE AND EQUIPMENT SUPPLIES. EXPOSED FIXTURE CONNECTIONS MUST BE CHROME PLATED. PROVIDE VACUUM BREAKERS WHERE REQUIRED BY CODE.
- PROVIDE NECESSARY HANGERS FOR SUPPORT OF HORIZONTAL AND VERTICAL PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE NECESSARY UNIONS TO FACILITATE REPAIR OF EQUIPMENT AND FITTINGS.
- IDENTIFICATION: CONTINUOUSLY IDENTIFY PIPING 8' ON CENTER.
- PROVIDE NECESSARY VALVES, PIPES, FITTINGS, AND WATER HAMMER ARRESTORS THROUGHOUT THE SYSTEM TO ELIMINATE WATER HAMMER.
- PROVIDE NECESSARY FLOOR AND WALL CLEANOUTS THROUGHOUT THE SYSTEM FOR A CODE COMPLIANT INSTALLATION.
- PIPING AT FLOOR PENETRATIONS AND PENETRATIONS OF FIRE RATED WALLS MUST BE SEALED WITH FIRE CAULK (BOTH SIDES WHERE ACCESSIBLE).
- VERMONT LOW LEAD REQUIREMENTS. PIPING, FITTINGS, AND VALVES USED FOR HUMAN CONSUMPTION (WATER FOR DRINKING OF COOKING) MUST MEET THE MOST RECENT NSF/ANSI LOW LEAD STANDARD (<.025% WEIGHTED AVERAGE LEAD CONTENT FOR WETTED SURFACES).



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REVISIONS	REVISION DESCRIPTION	BY	DATE	NUMBER

PROJECT NAME:
MORETOWN TOWN HALL
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
PLUMBING LEGEND, SCHEDULES, & ABBREVIATIONS

DRAWN BY PCM	DATE 02/21/25
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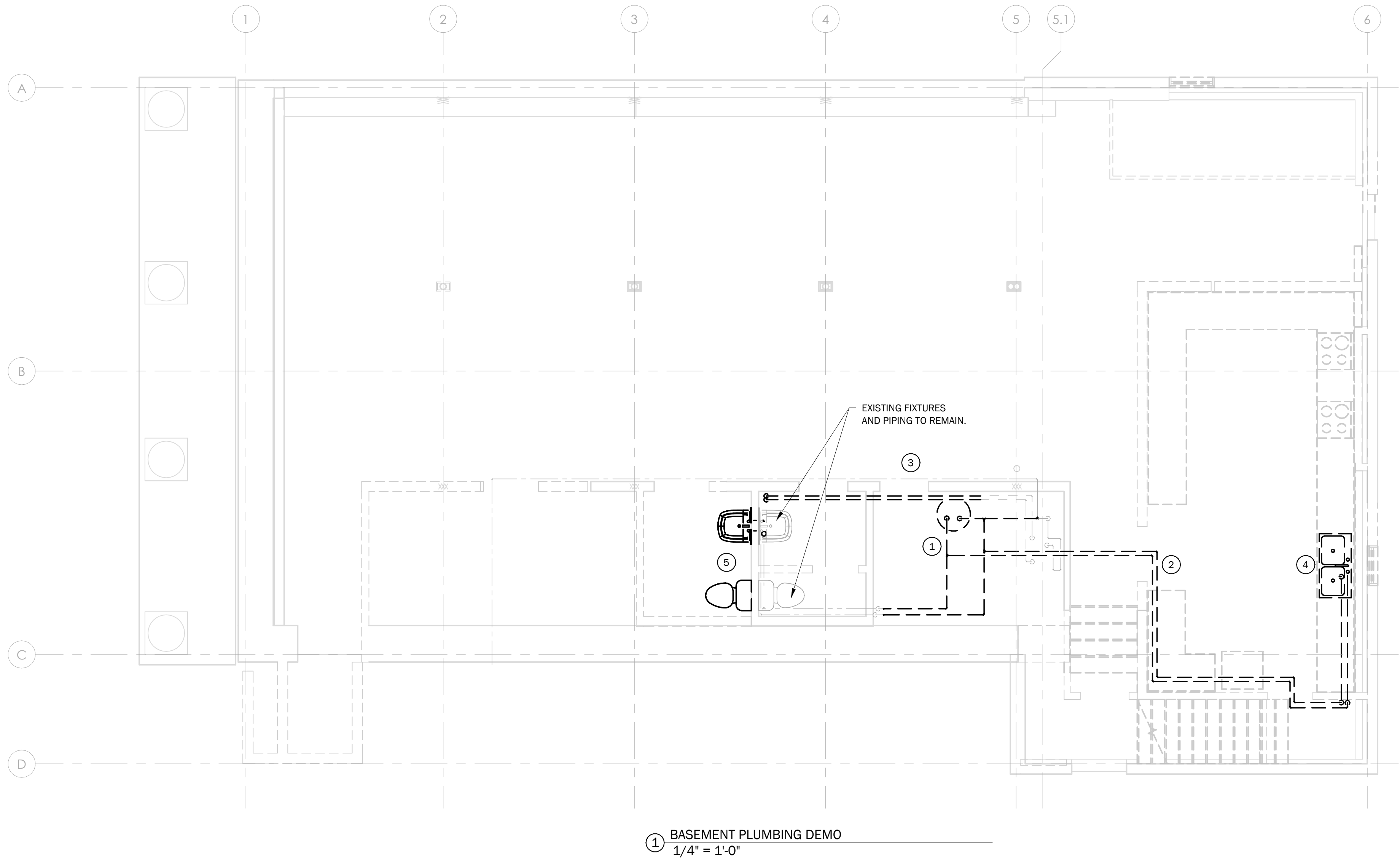
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SHEET: 7 of 11

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KEYED NOTES:

- 1 DOMESTIC WATER HEATER TO BE REMOVED. REMOVE ALL DOMESTIC HOT WATER PIPING. REMOVE DOMESTIC COLD WATER WHERE INDICATED, BACK TO WATER SOFTENING SYSTEM OR END OF 1" COLD LINE.
- 2 REMOVE ALL 1/2" DOMESTIC HOT WATER PIPING THIS AREA. 1/2" COLD WATER PIPING TO BE REMOVED WHERE INDICATED.
- 3 1/2" COLD WATER PIPING TO HOSE BIBB TO REMAIN.
- 4 KITCHEN PLUMBING FIXTURES AND PIPING TO BE REMOVED.
- 5 RESTROOM PLUMBING FIXTURES AND PIPING TO BE REMOVED. CAP SANITARY PIPING AT FLOOR. PATCH FLOOR TO MATCH EXISTING. COORDINATE WITH ARCHITECT FOR ROOM FINISHES.



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PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**PLUMBING
BASEMENT
DOMESTIC
DEMOLITION
PLANS**

DRAWN BY	DATE
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SHEET: 8 of 11

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PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:

PLUMBING
BASEMENT
DOMESTIC
PROPOSED
PLANS

RAWN BY PCM	DATE 02/21/25
CHECKED BY SVD	D&K PROJECT # 529312
ROJ. ENG. NAT	D&K ARCHIVE #

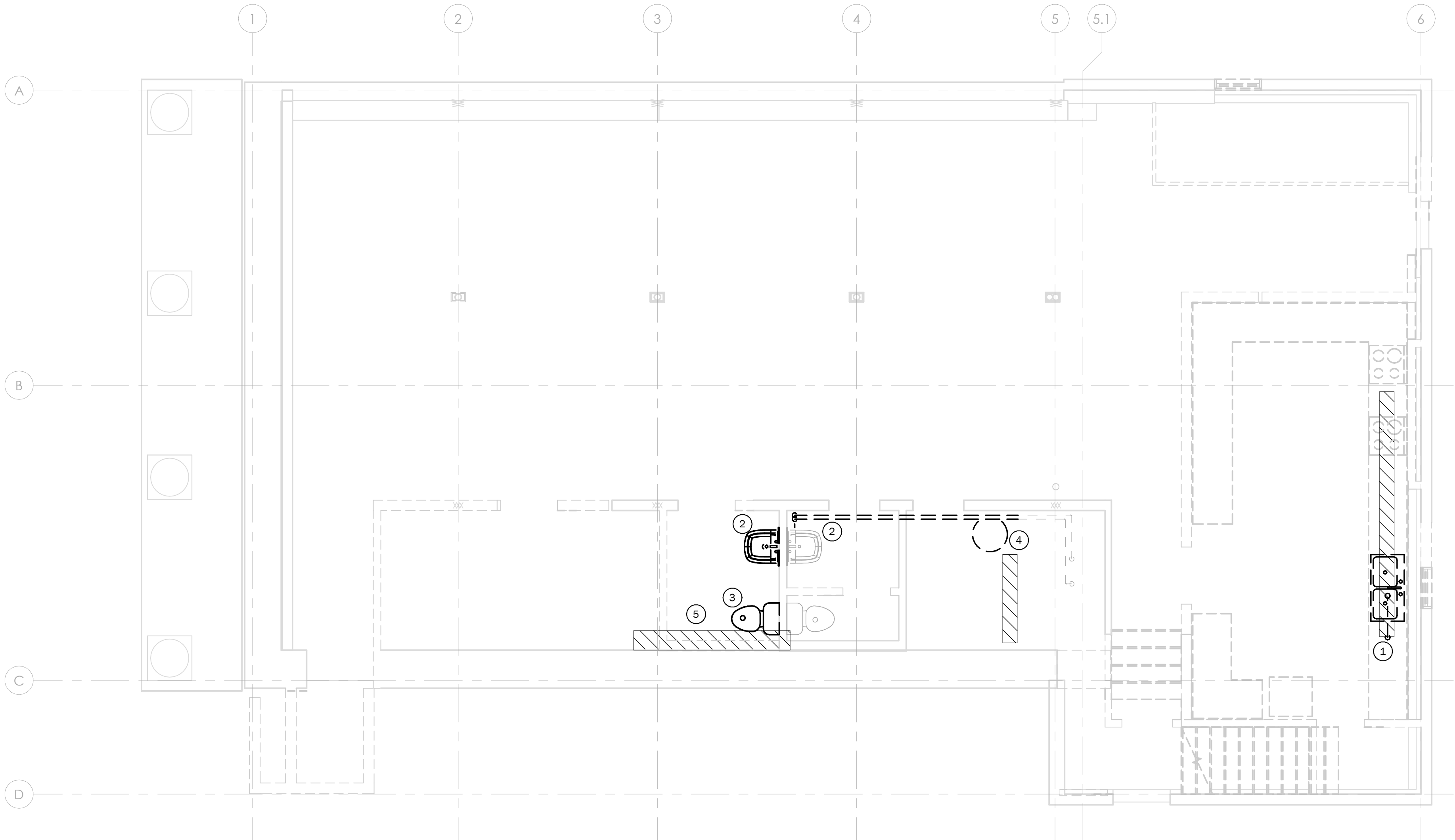
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P2.0

SHEET: 9 of 11



Autodesk Docs://529312 VIA Moretown Town Hall/529312 VIA Moretown Town Hall MEP R23.rvt



① BASEMENT SANITARY PLUMBING DEMO
1/4" = 1'-0"

KEYED NOTES:

- ① KITCHEN SINK ABOVE SLAB SANITARY PIPING TO BE REMOVED. DEMO SLAB THIS AREA FOR SANITARY TIE IN FOR NEW KITCHEN LAYOUT.
- ② LAVATORY SANITARY PIPING TO BE REMOVED. REMOVE CONDENSATE DRAIN (WHERE APPLICABLE) PIPING BACK TO MECHANICAL ROOM.
- ③ WATER CLOSET SANITARY TO BE CUT AND CAPPED FLUSH WITH FLOOR. PATCH FLOOR TO MATCH EXISTING.
- ④ FLOOR SLAB TO BE CUT WHERE INDICATED TO ALLOW FOR NEW FLOOR DRAIN.
- ⑤ FLOOR SLAB TO BE CUT WHERE INDICATED TO ACCOMMODATE NEW PLUMBING FIXTURES.



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REVISIONS			
NUMBER	DATE	REVISION DESCRIPTION	BY

PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**PLUMBING
BASEMENT
SANITARY
DEMOLITION
PLAN**

DRAWN BY	DATE
PCM	02/21/25
CHECKED BY	D&K PROJECT #
SVD	529312
PROJ. ENG.	D&K ARCHIVE #
NAT	

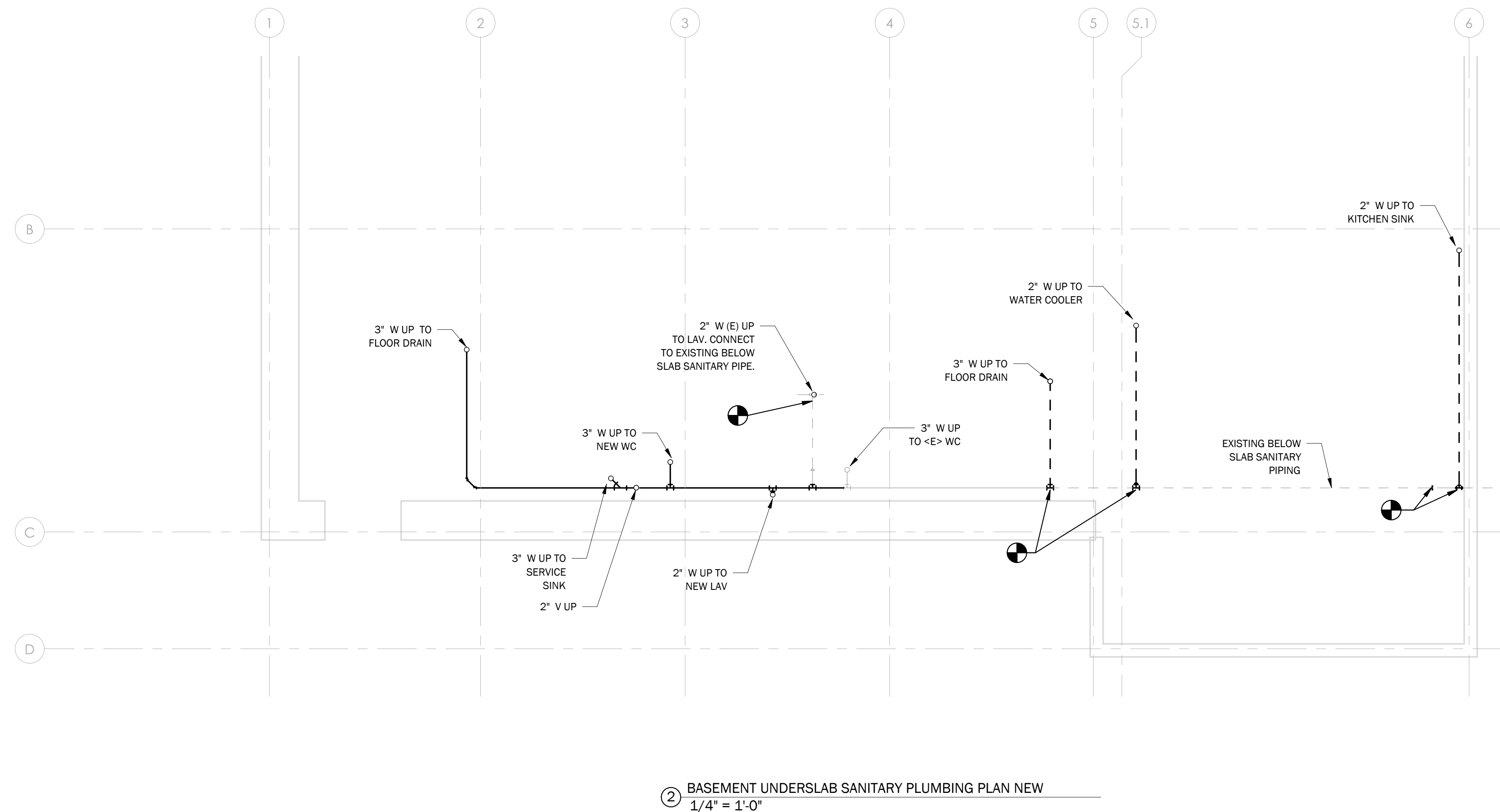
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SHEET: 10 of 11



- ① CONNECT CONDENSATE DRAIN TO EXISTING. DROP AND TERMINATE AT NEW FLOOR DRAIN.
- ② 2" W DN & 1-1/2" V RISE. SEE BELOW SLAB PLUMBING SANITARY PLAN FOR ADDITIONAL WORK.
- ③ 3" S DN

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REVISIONS			
NUMBER	DATE	REVISION DESCRIPTION	BY

SHEET TITLE:

PLUMBING
BASEMENT
SANITARY
PROPOSED
PLAN

RAWN BY PCM	DATE 02/21/25
CHECKED BY SVD	D&K PROJECT # 529312
ROJ. ENG. NAT	D&K ARCHIVE #

SHEET NUMBER

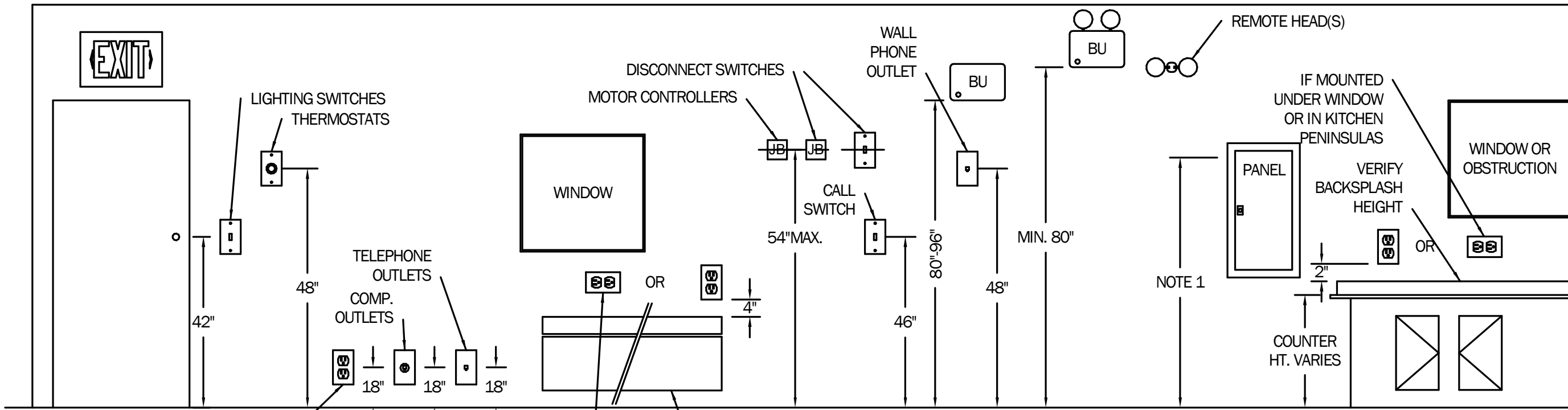
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SHEET: 11 of 11

Autodesk Docs://528312 VIA Moretown Town Hall/528312 VIA Moretown Town Hall MEP R23.rvt

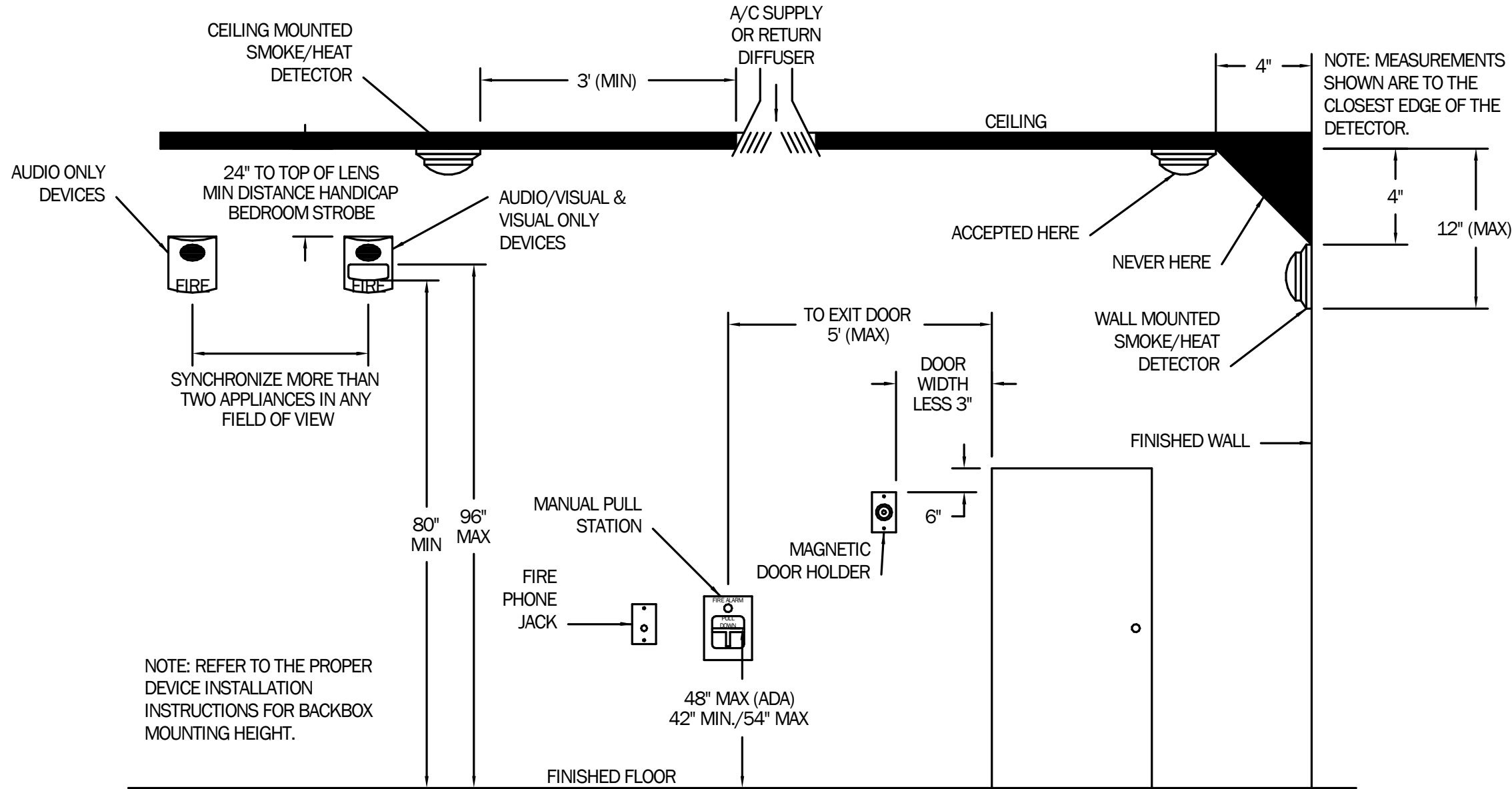


ELECTRICAL DEVICE DETAIL

NOT TO SCALE

NOTES:

- PANELBOARDS TO BE MOUNTED NOT HIGHER THAN 6' TO HIGHEST CIRCUIT BREAKER. IN UNITS DESIGNATED AS HANDICAPPED ACCESSIBLE, MOUNT SO THAT HIGHEST CIRCUIT BREAKER IS NOT HIGHER THAN 4' AFF. COORDINATE WITH ARCHITECT.
- THE ABOVE MOUNTING HEIGHTS SHALL APPLY TO ALL DEVICES UNLESS NOTED OTHERWISE ON PLANS. ALL NOTED DIMENSIONS ARE TO THE CENTERLINE OF THE DEVICE FROM THE FINISHED FLOOR.
- WHERE EXISTING OR SPECIAL CONDITIONS PREVENT THE INSTALLATION OF DEVICES AT THE ABOVE HEIGHTS, THE E.C. SHALL VERIFY HEIGHTS ON SITE WITH ARCHITECT.
- ALL DEVICES IN FINISHED AREAS SHALL BE INSTALLED IN FLUSH DEVICE BOXES. NO SURFACE BOXES SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THE ARCHITECT.
- EC SHALL VERIFY FINAL WORKBENCH, COUNTER, CABINET, OR VANITY HEIGHTS INCLUDING BACKSPLASH, ON SITE WITH GC PRIOR TO INSTALLATION OF BOXES.



FIRE ALARM DEVICE MOUNTING DETAIL

NOT TO SCALE

SPECIAL PURPOSE OUTLET SCHEDULE								
KEY	DESCRIPTION	SUPPLIED BY	INSTALLED BY	ELECTRICAL REQUIREMENTS				REMARKS
				CORD & CAP NEMA #	PROVIDED BY	VOLTS	AMPS	
▲1	ELECTRIC RANGE RECEPTACLE	EC	EC	14-50R	EC	240	50	COORDINATE EXACT LOCATION WITH THE ES & ARCHITECT
▲2	RANGE HOOD	EC	EC	HARDWIRED	EC	120	20	COORDINATE EXACT LOCATION WITH THE ES & ARCHITECT

LIGHTING FIXTURE SCHEDULE							
TYPE	MANUFACTURER & MODEL NO.	DESCRIPTION	LAMPS	WATTS	LUMENS	VOLTS	REMARKS
A	JUNO LIGHTING WF6-SWW5-90CRI-MW	6" RECESSED WAFER	LED	13	988	120	LINE VOLTAGE DIMMING
B	JUNO JSF-7IN10LM-SWW5-90CRI-MVOLT-Z1-WH	7" SURFACE	LED	13	1000	120/277	0-10V DIMMING, SWITCHABLE COLOR TEMP EC TO SET TO 4000K
C	LITHONIA LIGHTING BLWP4-30LHE-ADSM-EZ1-LP840	48" SURFACE	LED	24	3118	120/277	0-10V DIMMING
D	MARK ARCHITECTURAL LIGHTING PLN4-LP-4FT-MSL4-90CRI-40K-ID1300LMF-30/70-SCT-MIN1-MVOLT-WHSG-ZT-FLEP-F2/36A-WHTCY-WCRD	4' LINEAR PENDANT	LED	31.2	5272	120/277	FIXTURE TO BE MOUNTED 7FT A.F.F.
E	LITHONIA LIGHTING LDN6 4000K 1000LM L06-WR-LD-TRW-MVOLT-GZ1-90CRI	6" ROUND DOWNLIGHT	LED	10.4	950	120/277	0-10V DIMMING
FA	LITHONIA LIGHTING STAKS-2X2AL03-SWW7	2X2 TROFFER	LED	26.18	3683	120/277	0-10V DIMMING, SWITCHABLE LUMEN OUTPUT SET TO 3000LM OUTPUT
G	LUMENWERX VIA3S-D-WD-FH-SW-90VRI-750LMF-35K-AFT-UNV-D1-NA-WA-NA-NA	4FT DOWNLIGHT	LED	31.90	3027	120/277	FIXTURE TO BE MOUNTED ON TOP OF NEW BOOK SHELF INVERTED TO PROVIDE UP-LIGHT ONLY. PROVIDE WITH KNOCKOUTS FOR SURFACE MOUNT CONNECTION.
P	LITHONIA LIGHTING DMW2-L24-4000LM-PFL-WD-MVOLT-GZ10-40K-80CRI	2FT VAPOR TIGHT	LED	40	4855	120/277	LIFT PIT LIGHT, EC TO COORDINATE EXACT LOCATION TO INSTALL THE FIXTURE WITH LIFT INSTALLER PRIOR TO ROUGH-IN
S	LITHONIA LIGHTING WL4-40L-EZ1-LP840-NLTAIR2-RES7PDT-E10WLCP	4' SURFACE	LED	39.5	4325	120/277	INTEGRATED OCCUPANCY SENSOR WITH nLIGHT AIR, FIXTURE DIMS TO 50% WHEN UNOCCUPIED, INTEGRAL EMERGENCY BATTERY
T24	JUNO LIGHTING T-12FT-BL (PROVIDE 2 SECTIONS WITH #T23-BL CONNECTOR FOR 24FT TOTAL LENGTH)	24' SURFACE TRACK	LED	-	-	120	PROVIDE #TCLFM11BL MINI END FEED AND #TCLCB2ABLOCK CURRENT LIMITING CIRCUIT BREAKER
TH	JUNO LIGHTING T381L-G2-40K-90CRI-PDIM-FL-BL	TRACK HEAD	LED	11	1106	120	REVERSE PHASE ELV DIMMING XX-ARCHITECT TO SELECT FINISH
V	BROWNLEE LIGHTING 5160 24-WH-H13-EC2-35K	VANITY LIGHT	LED	13	1253	120	COORDINATE EXACT MOUNTING ELEVATION WITH ARCHITECT
▲	LITHONIA LIGHTING LHQM-LED-R-SD	SURFACE	LED	4.3	-	120/277	COMBINATION EXIT/EMERGENCY
↔	LITHONIA LIGHTING ELM4L	SURFACE	LED	6.6	-	120/277	
☼	LITHONIA LIGHTING LQM-S-W-3-R-120/277-EL-N-M6	SURFACE	LED	0.8	-	120/277	BATTERY BACKUP

GENERAL DEMOLITION NOTES :

- EQUIPMENT AND MATERIALS REMOVED OR DEMOLISHED AND NOT TO BE REINSTALLED BY THE EC SHALL BE CLASSIFIED BY THE OWNER AS SALVAGE OR SCRAP. THOSE CLAIMED BY THE OWNER SHALL BE DELIVERED TO THE OWNER BY THE EC WHERE DIRECTED AT THE SITE. THOSE NOT CLAIMED BY THE OWNER SHALL BECOME PROPERTY OF THE EC AND SHALL BE LEGALLY REMOVED FROM THE SITE AND PREMISES.
- ANY PLACE WHERE THE CONTRACTOR PENETRATES, CUTS AND/OR REMOVES WALLS, CONTRACTOR IS TO REPLACE, PATCH AND PAINT WALLS TO ORIGINAL FINISHES.
- FIELD VERIFY ALL DIMENSIONS BEFORE COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY ERRORS. CONTRACTORS SHALL FIELD INVESTIGATE ALL EXISTING CONDITIONS PRIOR TO THE BID DATE. NO EXTRA COMPENSATION SHALL BE GIVEN TO CONTRACTORS WHO FAIL TO VISIT THE SITE PRIOR TO THE BID DATE.
- NOT ALL DEVICES TO BE REMOVED OR DISCONNECTED ARE SHOWN. WHERE ENTIRE WALLS AND ROOMS ARE TO BE DEMOLISHED, ALL ELECTRICAL DEVICES IN THESE AREAS AND WALLS ARE TO BE DISCONNECTED, AND THE BRANCH CIRCUIT TO BE DISCONNECTED BACK TO THE SOURCE. ITEMS TO REMAIN AND RELOCATED WILL BE SHOWN. REFER TO MECHANICAL AND ARCHITECTURAL PLANS FOR TOTAL EXTENT OF DEMOLITION WORK.

LISTED EQUIPMENT NOTICE

ALL EQUIPMENT NEEDING ELECTRICAL POWER IS INTENDED AND SPECIFIED TO BE "UL" OR "CSA" LISTED AND LABELED. ELECTRICAL CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER OF ANY EQUIPMENT NOT SO LISTED AND LABELED AND SHALL NOT PROCEED WITH ANY WIRING OF SUCH EQUIPMENT UNLESS DIRECTED IN WRITING BY ENGINEER. TYPICAL OF ALL DEVICES AND EQUIPMENT ON THIS PROJECT.

ELECTRICAL DEMOLITION LEGEND

- <E> EXISTING TO REMAIN
<R> EXISTING TO BE REMOVED AND RELOCATED
<D> EXISTING TO BE DEMOLISHED
- ELECTRICAL DEVICES, WIRES, CONDUITS TO BE REMOVED
- EXISTING ELECTRICAL DEVICES, WIRES, CONDUITS TO REMAIN
- EXISTING LIGHT FIXTURE TO BE REMOVED AND GIVEN TO OWNER. REMOVE THE LAMPS AND BALLAST.
- FR EXISTING LIGHT FIXTURE AND WIRING TO BE RELOCATED.

VERTICAL CONDUIT NOTE

EC SHALL PROVIDE ALL NECESSARY MEASURES TO ACCOUNT FOR A BUILDING SHRINKAGE OF 2" VERTICALLY. THIS REQUIREMENT SHALL BE APPLIED TO ALL VERTICAL AND HORIZONTAL CONDUIT RUNS. VERTICAL CONDUIT RUNS OF MORE THAN 30' SHALL BE INSTALLED TO ALLOW FOR UP TO 2" OF SHRINKAGE. ACCESSIBLE EXPANSION JOINTS SHALL BE INSTALLED ON ALL VERTICAL CONDUIT RUNS OF 30' OR MORE.

ELECTRICAL LEGEND

- LED LIGHT
- ○ LIGHT FIXTURES
- ⬇ EXIT LIGHT
- ↔ EMERGENCY LIGHT
- \$ SWITCH - SINGLE POLE, SERVICE SWITCH FOR MOTORS
- \$3 SWITCH - 3-WAY
- \$D SWITCH - DIMMER, REFER TO E4.0 FOR SPECIFICATION
- MS MOTION SENSOR - CEILING OR WALL MOUNTED
- ELECTRICAL DISTRIBUTION PANEL
- ↗ BRANCH CIRCUIT
- JB JUNCTION BOX
- ☒ MOTOR STARTER PROVIDED BY MC, INSTALLED BY EC
- HEAVY DUTY FUSED DISCONNECT PROVIDED AND INSTALLED BY EC
- DUPLEX RECEPTACLE
- AC DUPLEX RECEPTACLE - AUTOMATICALLY CONTROLLED RECEPTACLE, UPPER HALF CONTROLLED WITH NEC REQUIRED MARKINGS
- AC USB DUPLEX RECEPTACLE - AUTOMATICALLY CONTROLLED USB RECEPTACLE LEVITON #T58333-2W
- GFI DUPLEX RECEPTACLE - GFCI PROTECTED
- DUPLEX RECEPTACLE - COUNTER HEIGHT
- WP DUPLEX RECEPTACLE - WATERPROOF
- QUAD RECEPTACLE
- USB DUPLEX RECEPTACLE WITH USB LEVITON PART #T58334-W
- ▲ SPECIAL PURPOSE OUTLET, REFER TO SCHEDULE
- ▼ PHONE/DATA LOCATION WITH 2-PORT CAT 6, RJ-45 FLUSH MOUNTED WALL JACK WITH (2)CAT 6 HOMERUNS
- S SYSTEM SMOKE DETECTOR
- ☼ MOTOR
- 15 F FIRE ALARM HORN/STROBE (NUMBER DENOTES CANDELA)
- 15 S FIRE ALARM STROBE
- 15 F FIRE ALARM HORN/STROBE, LOW FREQUENCY (520 Hz)
- F FIRE ALARM MANUAL PULL STATION - 48" AFF
- MM FIRE ALARM MONITORING MODULE
- TC (2) CIRCUIT ASTRONOMICAL TIME CLOCK- INTERMATIC #ET90215CE
- IN MINI INVERTER - ISOLITE #E3MINI-125-LC-MB
- FACP FIRE ALARM CONTROL PANEL
- NAC NOTIFICATION APPLIANCE CONTROL PANEL
- CELLULAR DIALER
- CELLULAR DIALER FOR FIRE ALARM SYSTEM
- AFF ABOVE FINISH FLOOR
- EC ELECTRICAL CONTRACTOR (DIVISION 26)
- MC MECHANICAL CONTRACTOR (DIVISION 23)
- CM CONSTRUCTION MANAGER
- GC GENERAL CONTRACTOR
- ES EQUIPMENT SUPPLIER
- TYP. TYPICAL OF ALL
- TC TIMECLOCK
- OHU OVERHEAD UTILITIES

LIGHTING CONTROL DEVICE SCHEDULE

TYPE	MANUFACTURER & MODEL NO.
\$oc	LINE VOLTAGE WALL OCCUPANCY SENSOR- ACUITY CONTROLS SENSOR SWITCH WSK PDT SA
\$lv	LOW VOLTAGE WALL SWITCH- ACUITY CONTROLS nLIGHT nPODM
\$lvo	LOW VOLTAGE WALL SWITCH w/ DIMMING- ACUITY CONTROLS nLIGHT nPODM DX
↔	LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR- ACUITY CONTROLS nLIGHT nCM PDT 9 RJB
RP	LIGHTING CONTROL RELAY PACK- ACUITY CONTROLS nLIGHT nPP16 D EFP
↔	120" WIDE VIEW WALL MOUNTED SENSOR ACUITY CONTROLS nLIGHT nMW PDT 16
R	LIGHTING CONTROL RELAY PACK- ACUITY CONTROLS nLIGHT nPP20 PL



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REVISIONS	
REVISION DESCRIPTION	BY
DATE	NUMBER

PROJECT NAME:

MORETOWN
TOWN
HALL

1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:

ELECTRICAL
LEGENDS,
SCHEDULES,
AND DETAILS

DRAWN BY BDF	DATE 02/21/25
CHECKED BY RMR	D&K PROJECT # 529312
PROJ. ENG. BDF	D&K ARCHIVE #

SHEET NUMBER

E1.0

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02/21/25

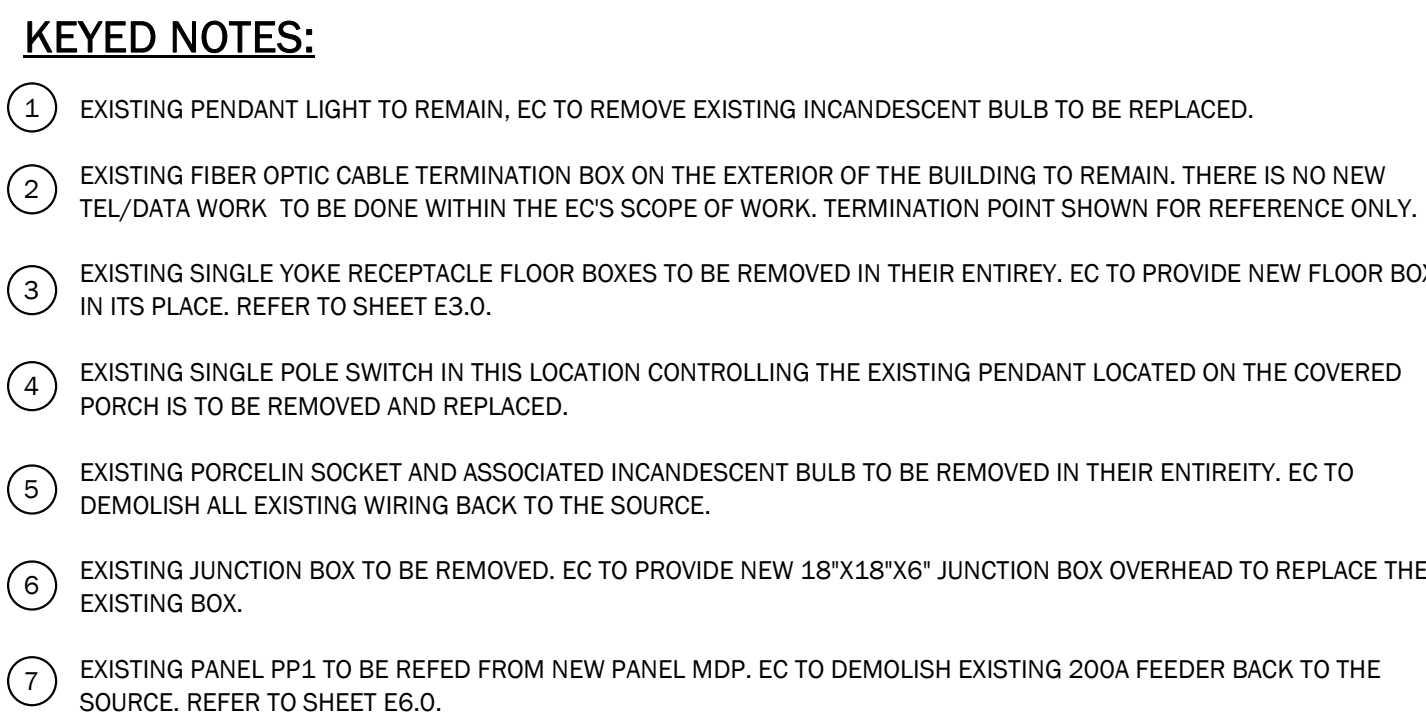
SHEET: 1 of 7

PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

DRAWN BY BDF	DATE 02/21/25
CHECKED BY RMR	D&K PROJECT # 529312
PROJ. ENG. BDF	D&K ARCHIVE #

E2.0

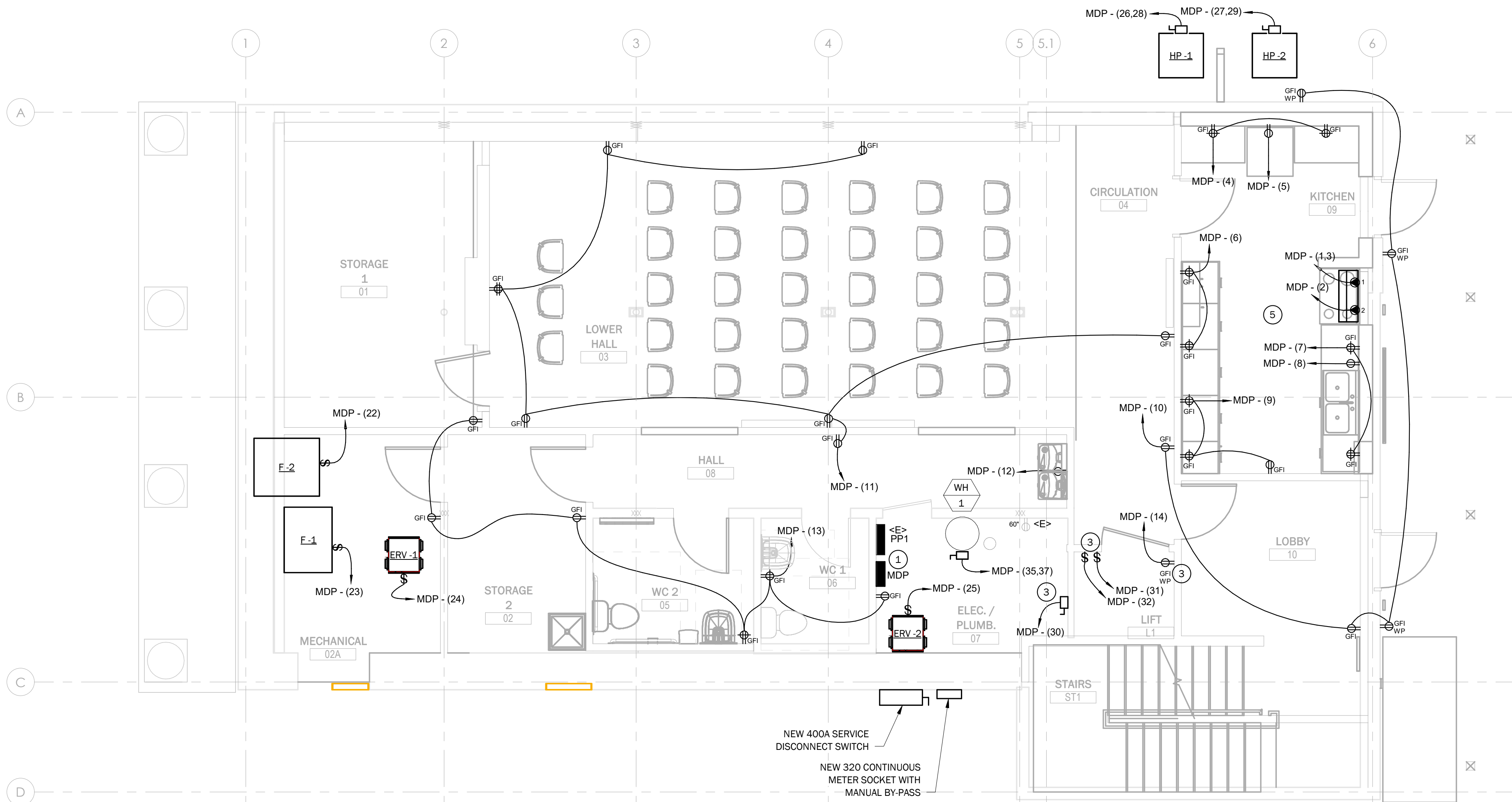
SHEET: 2 of 7



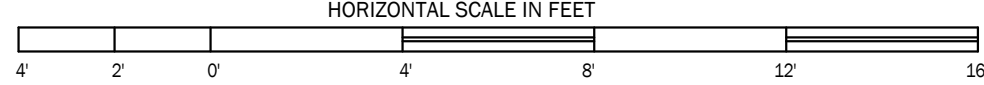
ELECTRICAL DEMOLITION LEGEND

<E>	EXISTING TO REMAIN
<R>	EXISTING TO BE REMOVED AND RELOCATED
<D>	EXISTING TO BE DEMOLISHED
---	ELECTRICAL DEVICES, WIRES, CONDUITS TO BE REMOVED
—	EXISTING ELECTRICAL DEVICES, WIRES, CONDUITS TO REMAIN
 	EXISTING LIGHT FIXTURE TO BE REMOVED AND GIVEN TO OWNER. REMOVE THE LAMPS AND BALLAST.
FR	EXISTING LIGHT FIXTURE AND WIRING TO BE RELOCATED.

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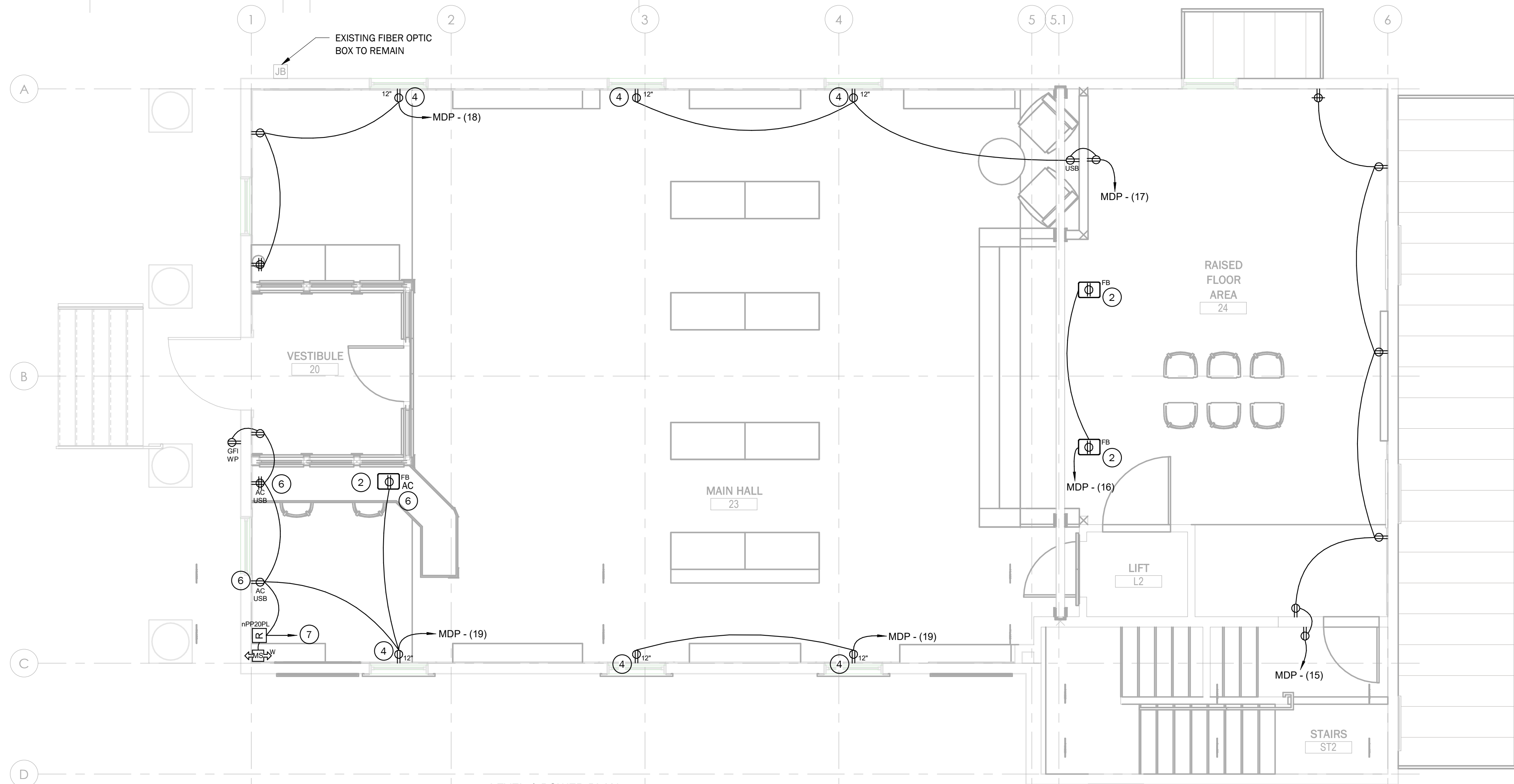


1 BASEMENT POWER PLAN
1/4" = 1'-0"

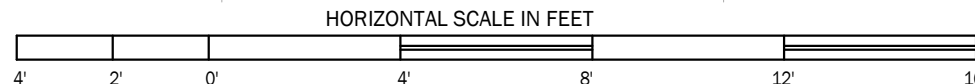


KEYED NOTES:

- EC TO PROVIDE NEW 400A MDP PANEL IN THIS LOCATION. EC TO COORDINATE EXACT LOCATION FOR ALL NEW AND EXISTING EQUIPMENT TO REMAIN IN THE ELECTRICAL/MECHANICAL ROOM WITH THE MC TO ENSURE ALL WORKING CLEARANCES REQUIRED PER THE NEC ARE MET.
- EC TO PROVIDE NEW LEVITON PT500 OR APPROVED EQUAL POKE THROUGH FLOORBOX IN THIS LOCATION WITH (1) DUPLEX RECEPTACLES. EC TO COORDINATE EXACT LOCATION FOR NEW DEVICE WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN WIRING. PROVIDE ALL REQUIRED COVERS, AND CONNECTIONS FOR A COMPLETE AND OPERABLE INSTALLATION. COORDINATE FINISH WITH ARCHITECT.
- EC TO PROVIDE THE FOLLOWING FOR THE LIFT. EXACT LOCATION FOR ALL DISCONNECTS AND CIRCUITS ARE TO BE COORDINATED WITH THE LIFT INSTALLER PRIOR TO ROUGH-IN WIRING. REFER TO SAVARIA V1504 VERTICAL PLATFORM LIFT PLANNING GUIDE AND INSTALLATION MANUAL.
 - ONE (1) DEDICATED 120V, 1-PHASE, 20A CIRCUIT AND FUSED LOCKABLE DISCONNECT WITH AUXILIARY CONTACTS (SQUARE-D #EK-330-Z OR APPROVED EQUAL).
 - TWO (2) DEDICATED 120V, 1-PHASE, 15A CIRCUITS WITH LOCAL DISCONNECTING MEANS FOR DOOR OPERATORS & VENTILATION SYSTEM
 - (1) DUPLEX GFCI SERVICE RECEPTACLE IN THE PIT.
- MOUNT NEW DEVICE AT 12" AFF AND CENTERED BENEATH WINDOWS.
- ALL COUNTERHEIGHT RECEPTACLES INSTALLED IN THE KITCHEN (09) ARE TO BE INSTALLED HORIZONTALLY. EC TO COORDINATE ALL WORK AND EXACT LOCATION FOR ALL DEVICES WITH ARCHITECTURAL ELEVATIONS.
- AUTOMATICALLY CONTROLLED RECEPTACLES TO HAVE THE TOP HALF OF THE RECEPTACLE CONTROLLED BY THE CONTROLLED RECEPTACLE RELAY IN THE RESPECTIVE ROOM.
- CONTROLLED RECEPTACLE RELAY TO BE #LIGHT nPP20PL. CONTROLLED RECEPTACLE OCCUPANCY SENSOR TO BE #LIGHT #nWPPDT16. CONTROLLED RECEPTACLE RELAY TO BE LOCATED IN AN ACCESSIBLE LOCATION ON THE FLOOR BELOW. REFER TO AUTOMATICALLY CONTROLLED RECEPTACLES WIRING DETAIL ON SHEET E6.1.



2 LEVEL 1 POWER PLAN
1/4" = 1'-0"



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REVISIONS	
NUMBER	REVISION DESCRIPTION
DATE	BY

PROJECT NAME:
**MORETOWN
TOWN
HALL**
1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**ELECTRICAL
POWER PLANS**

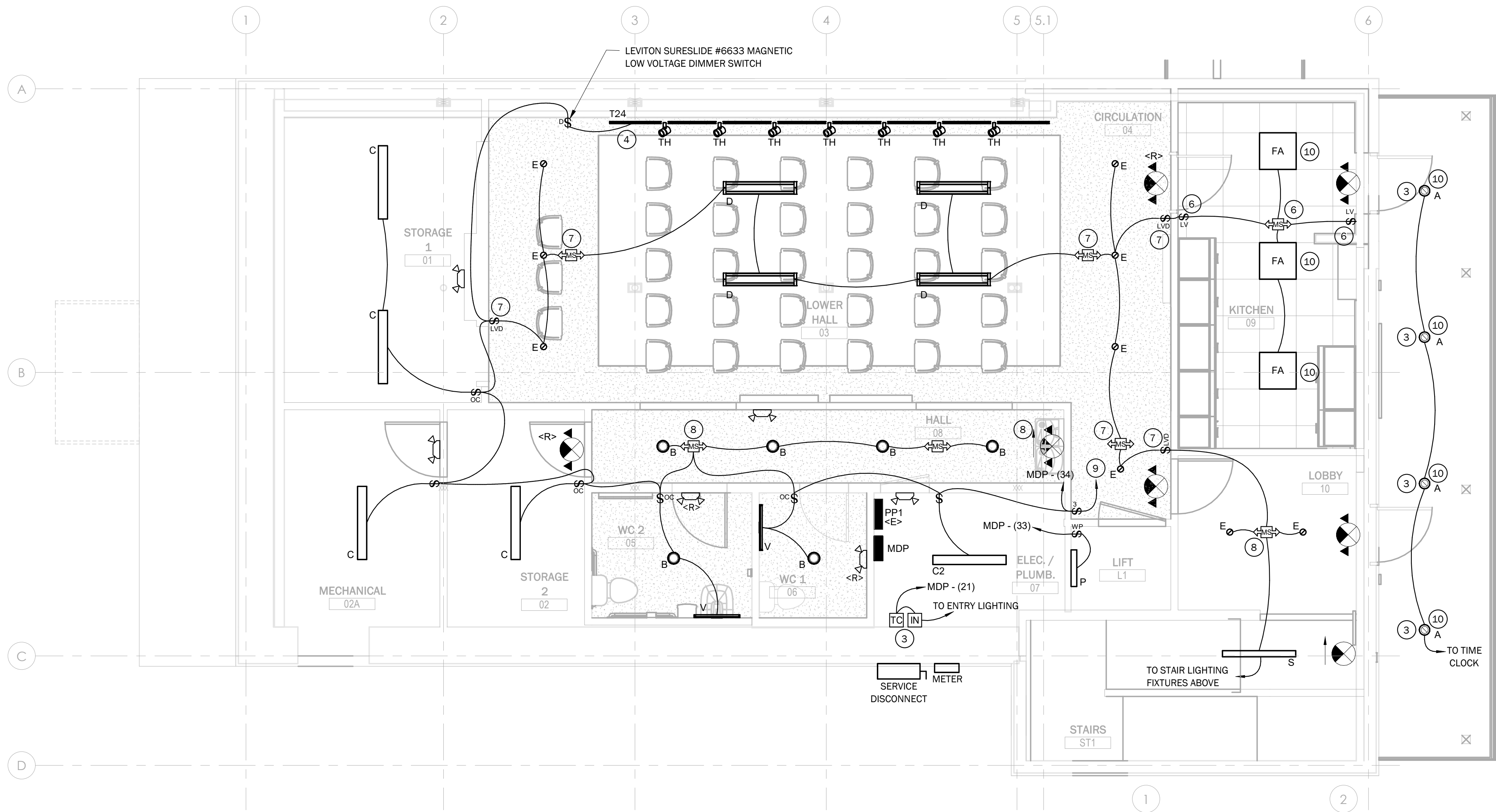
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BDF	02/21/25
CHECKED BY	D&K PROJECT #
RMR	529312
PROJ. ENG.	D&K ARCHIVE #
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SHEET NUMBER

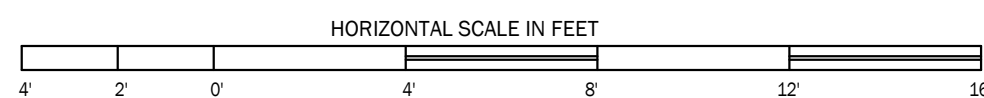
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SHEET: 3 of 7

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① BASEMENT LIGHTING PLAN
1/4" = 1'-0"



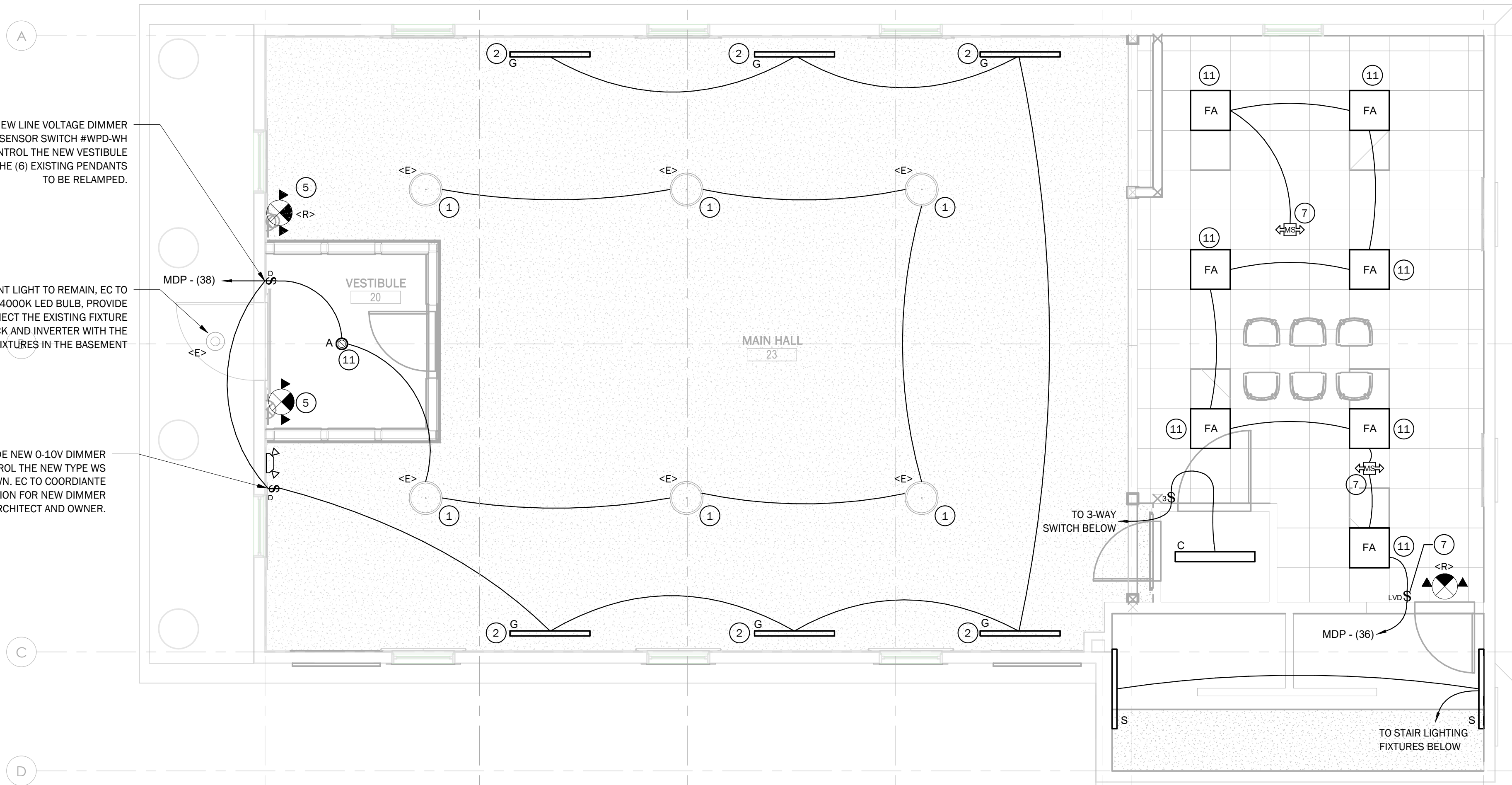
KEYED NOTES:

- EC TO PROVIDE A NEW 40 WATT 3500K LED BULB IN THE EXISTING PENDANT LIGHTS. THE NEW BULB IS TO BE DIMMABLE. THE EXISTING PENDANT LIGHTS AND THE VESTIBULE LIGHT ARE TO BE CONTROLLED TOGETHER USING THE SAME LINE VOLTAGE DIMMER SWITCH AS SHOWN.
- TYPE G FIXTURES TO BE MOUNTED TO THE TOP OF THE BOOKSHELF AND POINTED UP TO WASH LIGHT UPWARDS ONTO THE WALL. PROVIDE SURFACE MOUNT RACEWAY ON THE BOOKSHELF AS REQUIRED. PROVIDE KNOCKOUTS IN THE FIXTURE TO TERMINATE THE CONDUIT. COORDINATE INSTALLATION WITH ARCHITECT PRIOR TO ROUGH-IN WIRING.
- EC TO PROVIDE A (2) CIRCUIT ASTRONOMICAL TIME CLOCK - INTERMATIC #ET90215CE OR APPROVED EQUAL TO CONTROL ALL EXTERIOR LIGHTING. PROVIDE AN ISOLITE #E3MINI-125-LC-MB INVERTER TO PROVIDE EMERGENCY POWER TO ALL EXTERIOR LIGHTING. EC TO PROVIDE ALL REQUIRED WIRING TO CONTROL THE FIXTURES WITH THE TIMECLOCK AND TURN ON ALL FIXTURES TO 100% IN THE EVENT OF POWER OUTAGE WITH THE INVERTER. REFER TO EMERGENCY INVERTER WIRING DIAGRAM ON SHEET E6.1.
- EC TO PROVIDE (2) 12FT TRACK SECTIONS JOINED WITH A #T23 MINIATURE STRAIGHT CONNECTOR. EC TO PROVIDE JUNO LIGHTING #TCLFM11 CURRENT LIMITING FEED WITH TLCB-2A CURRENT LIMITING CIRCUIT BREAKER. FINISH COLOR TO MATCH TRACK AND TRACK HEADS. EC TO COORDINATE ALL FINISHES WITH ARCHITECT.
- EC TO COORDINATE EXACT LOCATION FOR EXIT EMERGENCY COMBO WITH ARCHITECT PRIOR TO ROUGH-IN WIRING. CONCEAL WIRING TO THE EXTENT POSSIBLE. ANY SURFACE MOUNTED RACEWAY IS TO BE COORDINATED WITH AND APPROVED BY THE ARCHITECT PRIOR TO ROUGH-IN WIRING.
- REFER TO MANUAL ON/AUTO OFF & CEILING OCCUPANCY (FIXED OUTPUT) ON SHEET E6.1 FOR WIRING AND SEQUENCE OF OPERATIONS.
- REFER TO MANUAL ON/AUTO OFF & CEILING OCCUPANCY (0-10V DIMMING) ON SHEET E6.1 FOR WIRING AND SEQUENCE OF OPERATIONS.
- REFER AUTO ON/AUTO OFF & CEILING OCCUPANCY (FIXED OUTPUT) ON SHEET E6.1 FOR WIRING AND SEQUENCE OF OPERATIONS.
- TO C FIXTURE AT THE TOP OF THE LIFT.
- FIXTURE HAS SWITCHABLE CCT, EC TO SET TO 4000K IN THE FIELD.
- FIXTURE HAS SWITCHABLE CCT, EC TO SET TO 3500K IN THE FIELD.

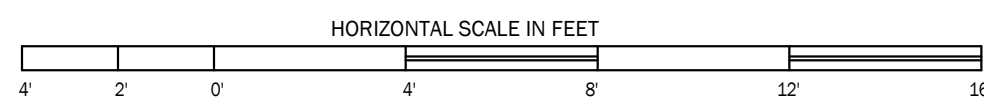
PROVIDE NEW LINE VOLTAGE DIMMER SWITCH - SENSOR SWITCH #WPD-WH TO CONTROL THE NEW VESTIBULE LIGHT AND THE (6) EXISTING PENDANTS TO BE RELAMPED.

EXISTING PENDANT LIGHT TO REMAIN, EC TO PROVIDE NEW 13 WATT 4000K LED BULB. PROVIDE NEW WIRING TO CONNECT THE EXISTING FIXTURE TO THE TIMECLOCK AND INVERTER WITH THE EXTERIOR TYPE-A FIXTURES IN THE BASEMENT

EC TO PROVIDE NEW 0-10V DIMMER SWITCH TO CONTROL THE NEW TYPE WS FIXTURES SHOWN. EC TO COORDINATE EXACT LOCATION FOR NEW DIMMER SWITCH WITH ARCHITECT AND OWNER.



② LEVEL 1 LIGHTING PLAN
1/4" = 1'-0"



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PROJECT NAME:

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1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:

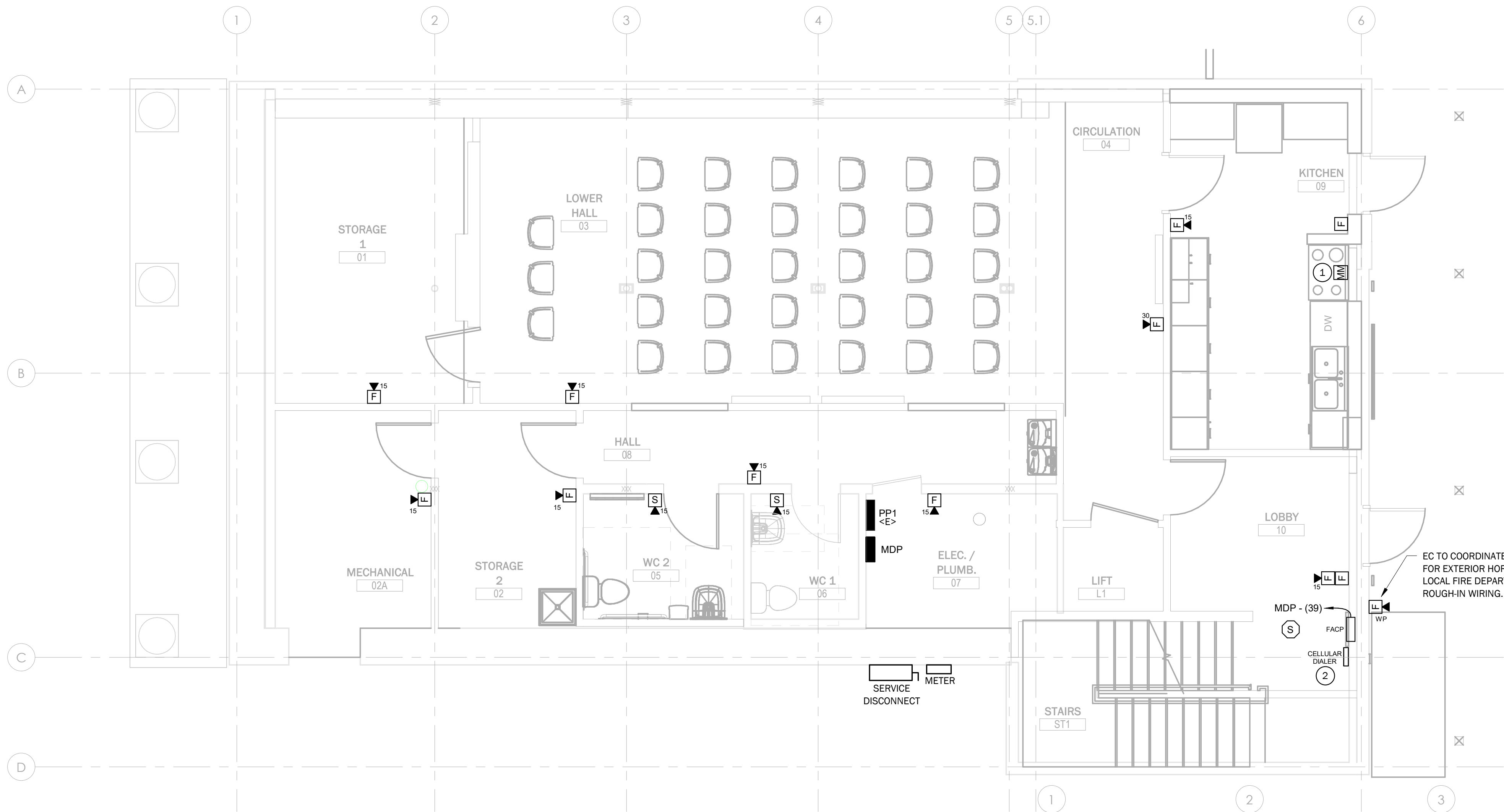
**ELECTRICAL
LIGHTING PLANS**

DRAWN BY	DATE
BDF	02/21/25
CHECKED BY	D&K PROJECT #
RMR	529312
PROJ. ENG.	D&K ARCHIVE #
BDF	

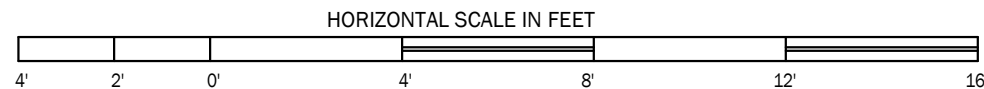
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E4.0

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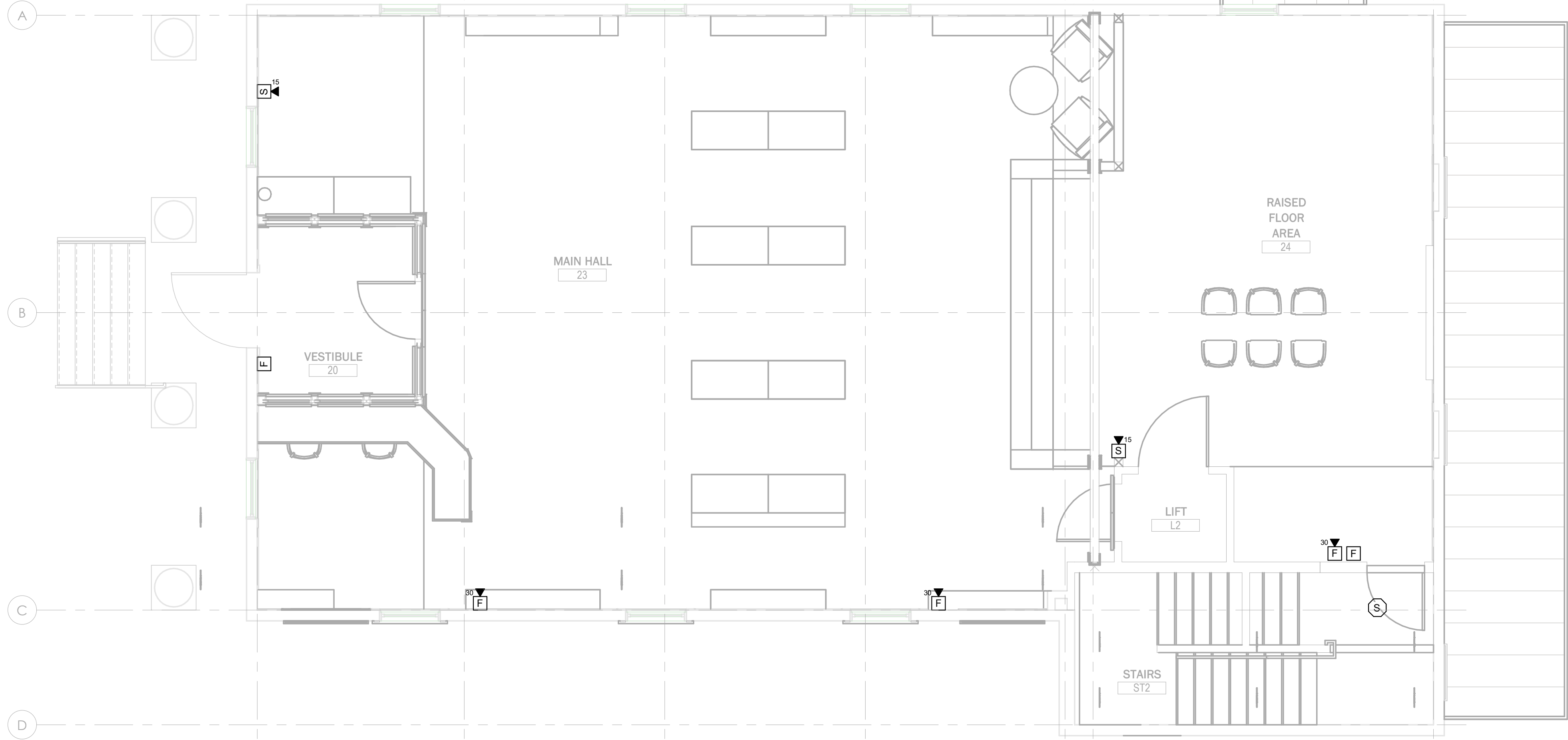


1 BASEMENT FIRE ALARM PLAN
1/4" = 1'-0"

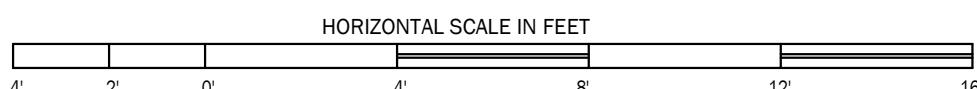


KEYED NOTES:

- EC TO PROVIDE ALL REQUIRED MONITORING MODULES AND WIRING TO MONITOR THE NEW RANGE HOOD (SEE KH-1 ON MECHANICAL SCHEDULES ON MS.O) WITH THE FIRE ALARM SYSTEM. THE HOOD SYSTEM IS TO DISCONNECT POWER TO THE RANGE RECEPTACLE WHEN THE ANSUL SYSTEM IS ACTIVATED. EC TO PROVIDE AND INSTALL ALL REQUIRED CONDUIT, WIRING, RACEWAY AND MONITORING FOR A COMPLETE, FUNCTIONAL AND CODE COMPLIANT INSTALLATION. EC TO COORDINATE ALL WORK WITH THE MC PRIOR TO ROUGH-IN WIRING.
- EC TO PROVIDE A CELLULAR DIALER CONNECTED TO THE FIRE ALARM SYSTEM. THE DIALER IS TO AUTOMATICALLY DIAL OUT TO A 3RD PARTY MONITORING SERVICE. EC TO PROVIDE ALL REQUIRED PROGRAMMING WIRING AND CONNECTIONS FOR A COMPLETE AND OPERABLE INSTALLATION.



2 LEVEL 1 FIRE ALARM PLAN
1/4" = 1'-0"



FIRE ALARM DEVICE LEGEND

- FACP FIRE ALARM CONTROL PANEL
- NAC NOTIFICATION APPLIANCE CONTROL PANEL
- CELLULAR DIALER CELLULAR DIALER FOR FIRE ALARM SYSTEM
- S SYSTEM SMOKE DETECTOR
- 15 F FIRE ALARM HORN/STROBE (NUMBER DENOTES CANDELA)
- 15 S FIRE ALARM STROBE
- F FIRE ALARM MANUAL PULL STATION - 48" AFF
- MM FIRE ALARM MONITORING MODULE

DuBois & King inc.

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REVISIONS	REVISION DESCRIPTION	
	BY	
	DATE	
	NUMBER	

PROJECT NAME:

**MORETOWN
TOWN
HALL**

1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:

**FIRE ALARM
PLANS**

DRAWN BY	DATE
BDF	02/21/25
CHECKED BY	D&K PROJECT #
RMR	529312
PROJ. ENG.	D&K ARCHIVE #
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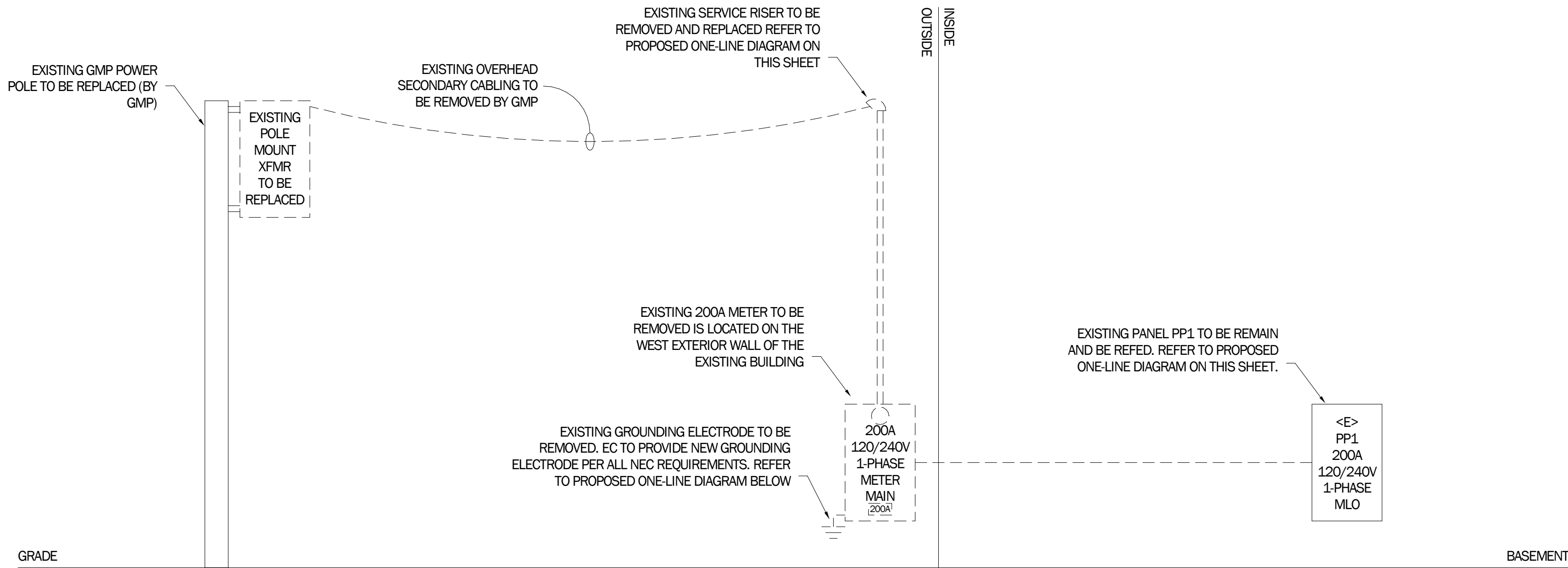
E5.0

SHEET: 5 of 7

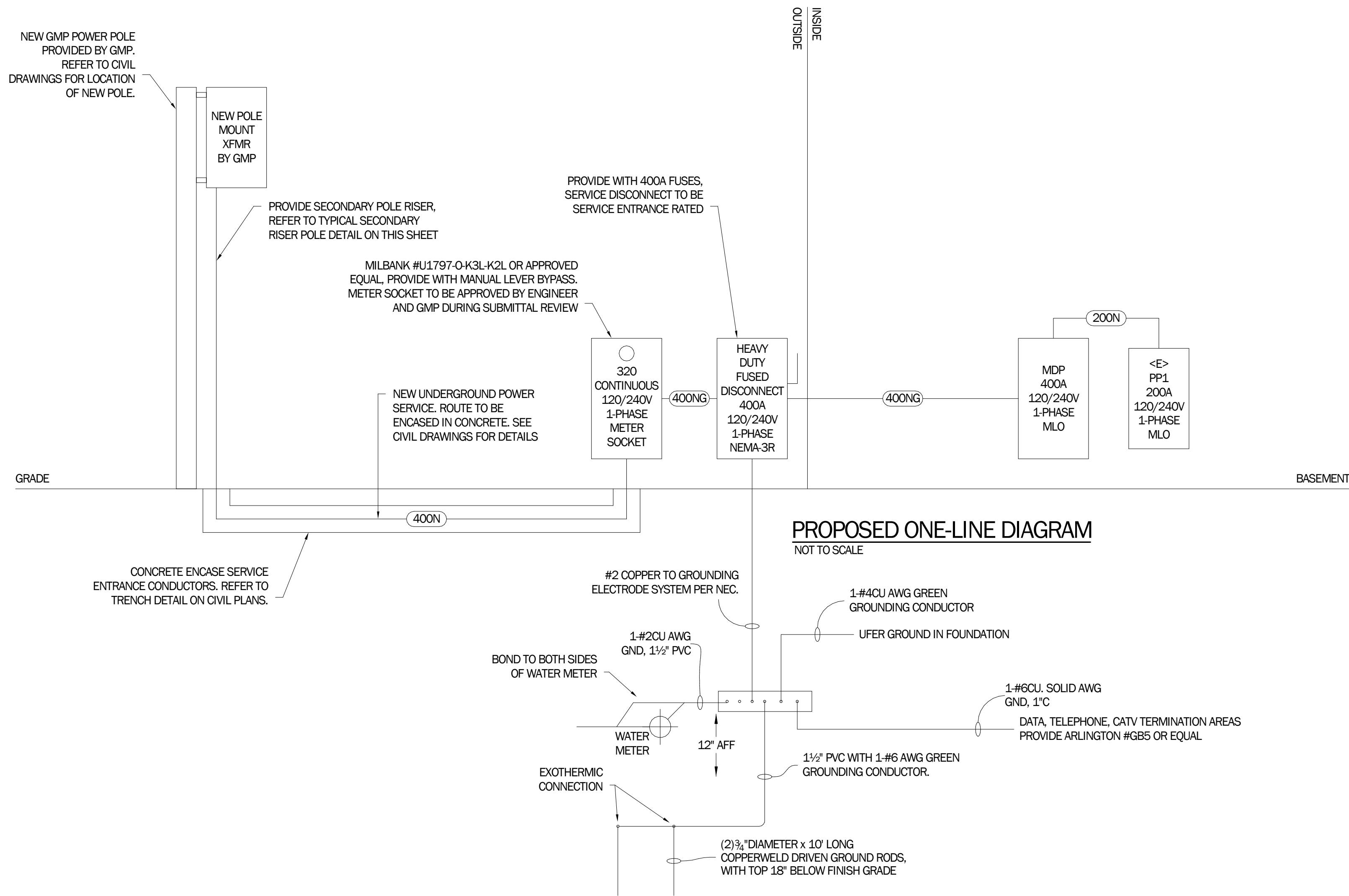
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CONSTRUCTION

02/21/25

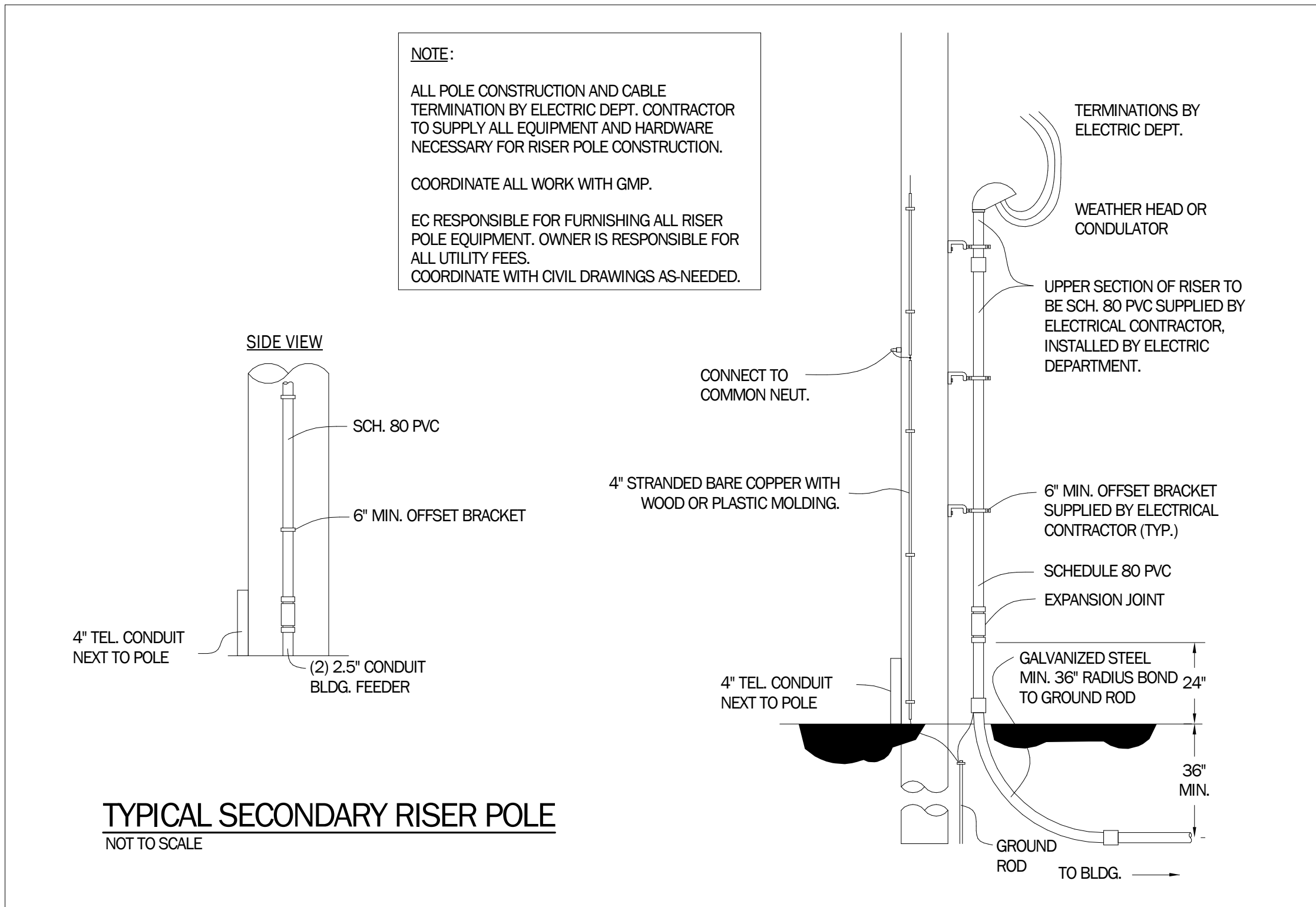
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DEMOLITION ONE-LINE DIAGRAM
NOT TO SCALE



PROPOSED ONE-LINE DIAGRAM
NOT TO SCALE



TYPICAL SECONDARY RISER POLE
NOT TO SCALE

FEEDER SCHEDULE					
MARK	AMPS	PHASE	CONDUIT	WIRE SIZE	GROUND
400N	400	1	(2) 2 1/2"	(2) 250 MCM-XHHW-AL PER PHASE AND NEUTRAL	-
400NG	400	1	(2) 2 1/2"	(2) 250 MCM-XHHW-AL PER PHASE AND NEUTRAL	(2) #1 AL
200N	200	1	(1) 2 1/2"	(1) 250 MCM-XHHW-AL PER PHASE AND NEUTRAL	#4 AL

ISSUED FOR
CONSTRUCTION

02/21/25



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REVISION DESCRIPTION	BY
DATE	NUMBER

PROJECT NAME:
**MORETOWN
TOWN
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1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:
**ELECTRICAL
ONE-LINE
DISTRIBUTION
DIAGRAMS**

DRAWN BY BDF	DATE 02/21/25
CHECKED BY RMR	D&K PROJECT # 529312
PROJ. ENG. BDF	D&K ARCHIVE #

SHEET NUMBER

E6.0

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Panel: MDP

Location: ELEC. / PLUMB. 07

Supply From: 400A SERVICE DISCONNECT

Mounting: Surface

Enclosure: NEMA-1

Volts: 120/240 Single

Phases: 1

Wires: 3

A.I.C. Rating: 22kAIC

Mains Type: MAIN LUGS ONLY

Mains Rating: 400 A

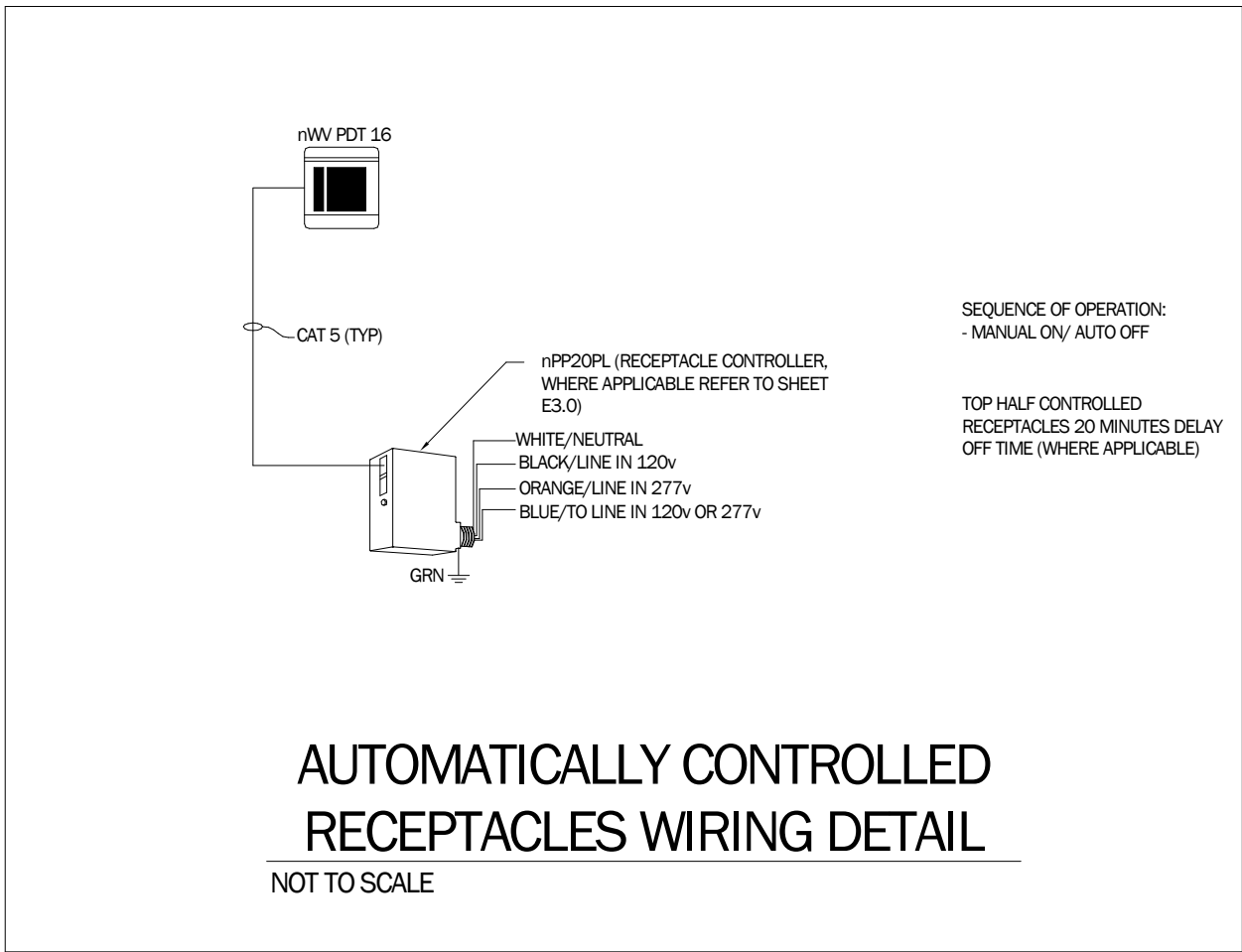
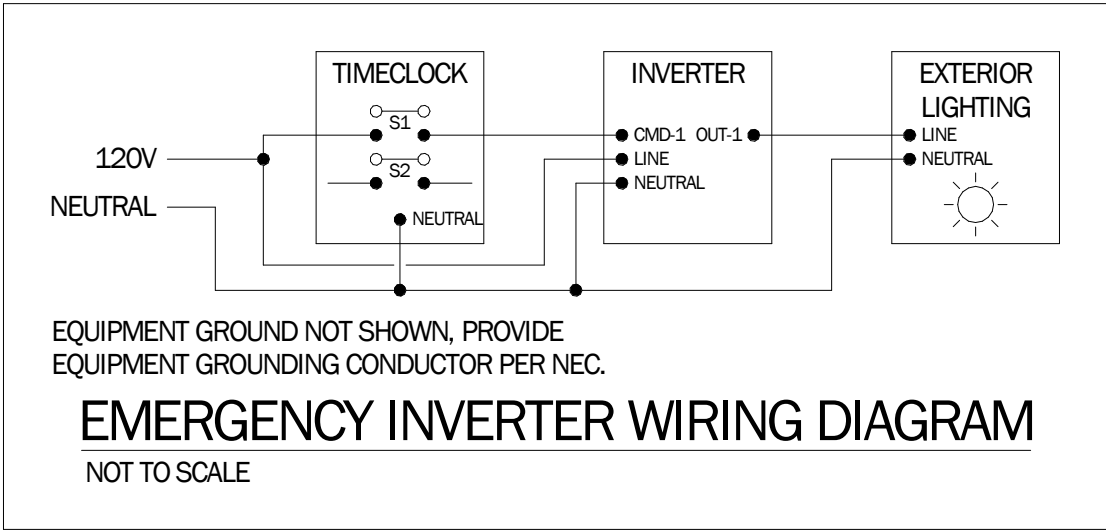
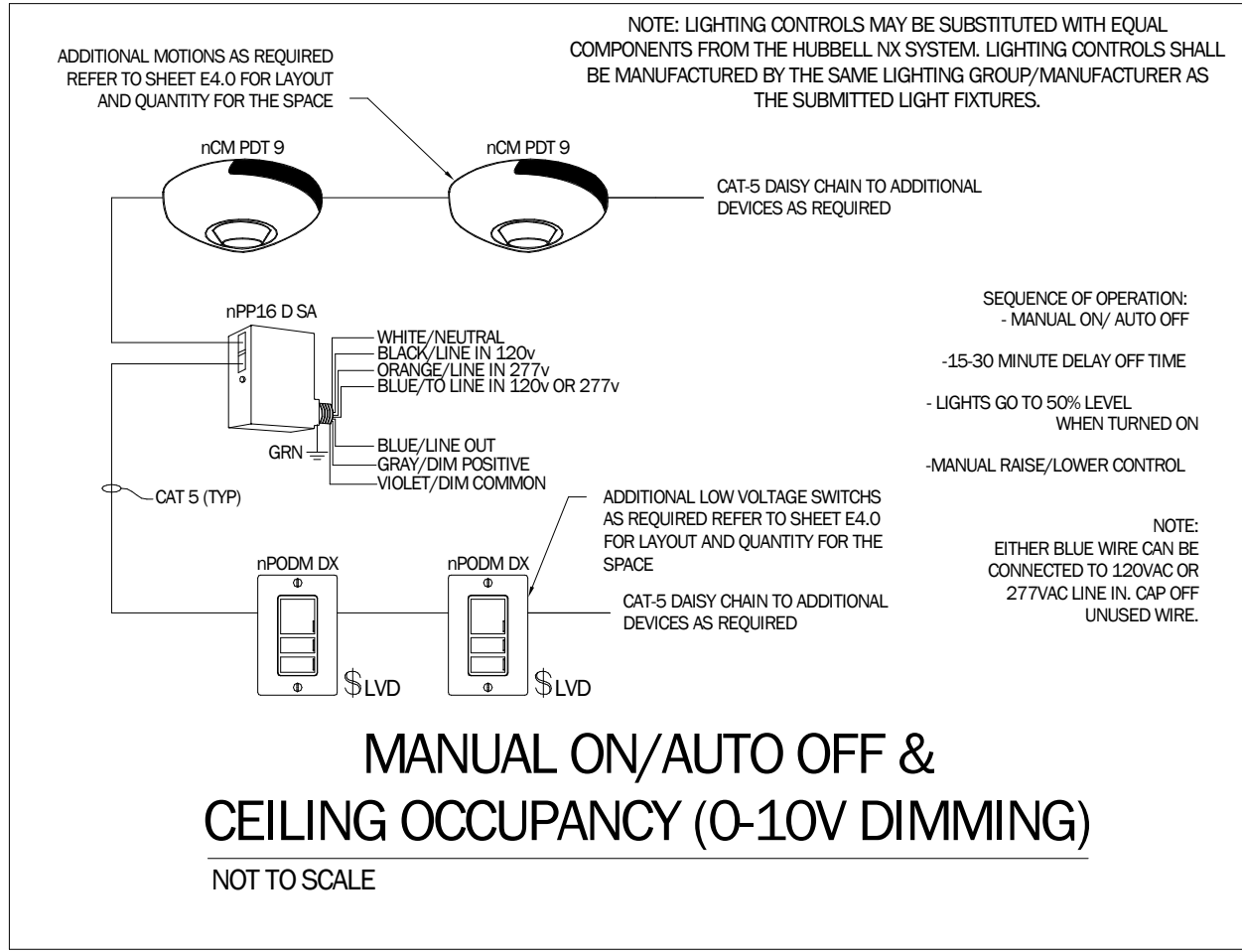
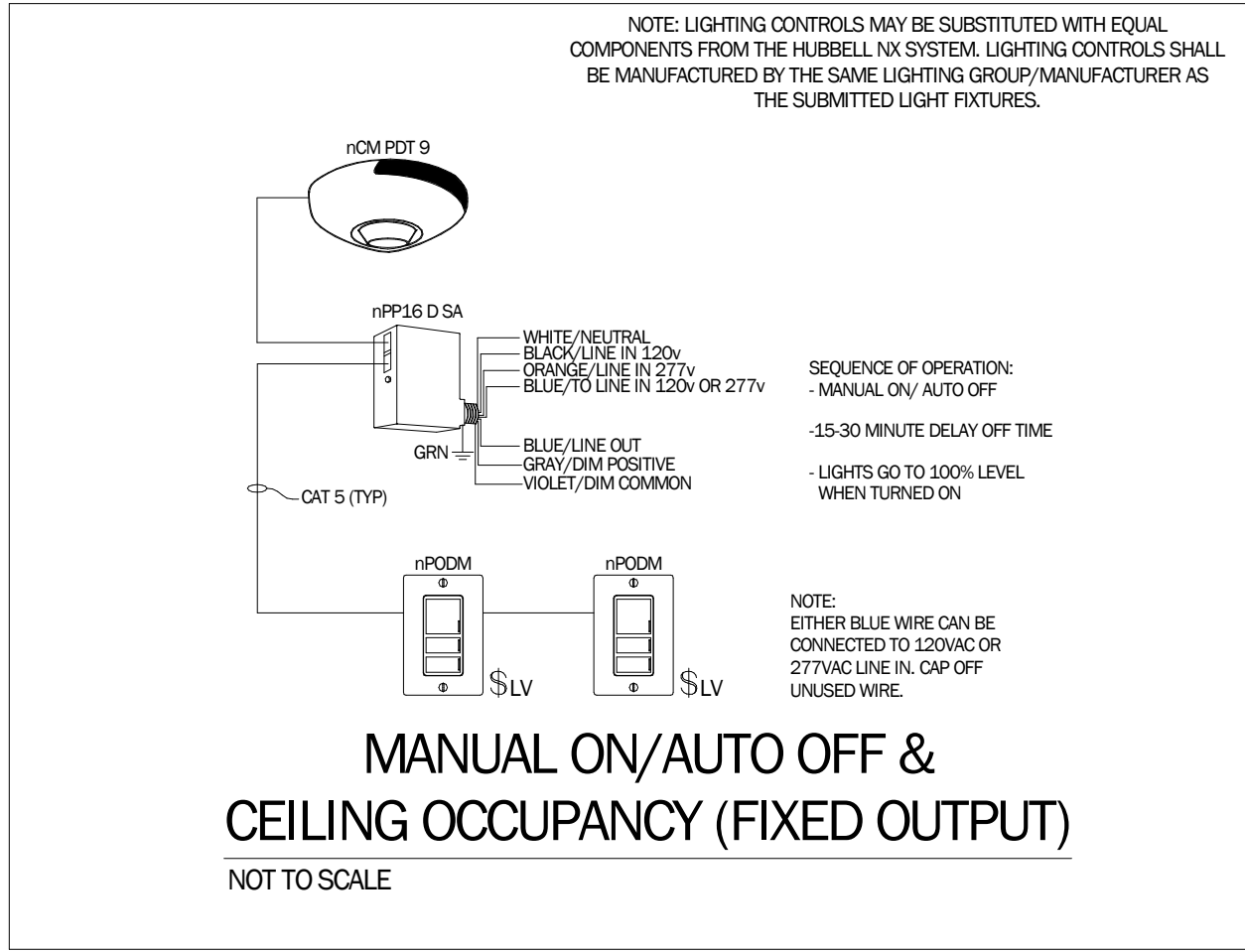
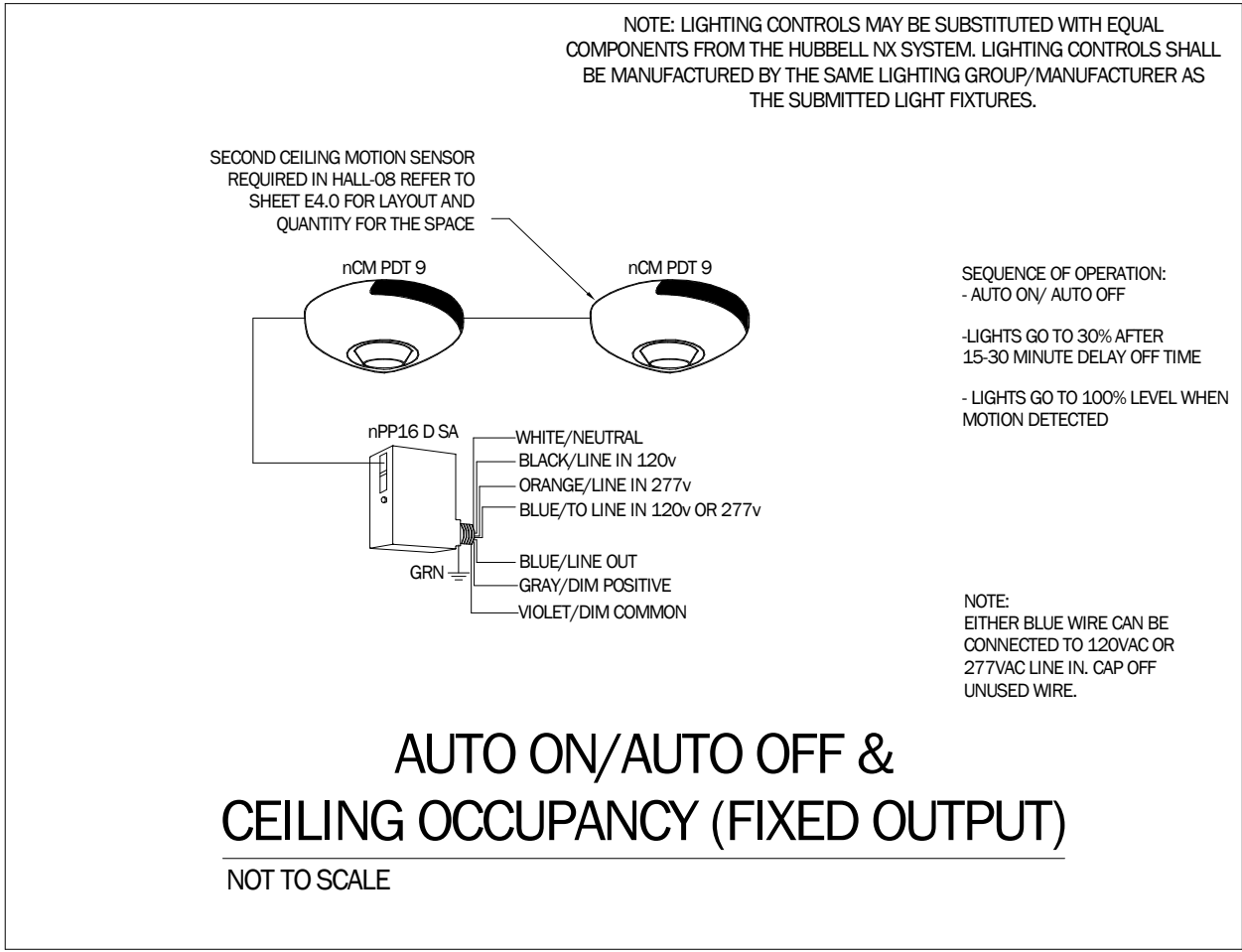
Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	RANGE	50 A	2	4000 VA	500 VA			1	20 A	RANGE HOOD (GFCI)	2
3						4000 VA	1500 VA	1	20 A	KITCHEN COUNTERHEIGHT RECEPT	4
5	REFRIGERATOR RECEPT (GFCI BREAKER)	20 A	1	180 VA	360 VA			1	20 A	KITCHEN COUNTERHEIGHT RECEPT	6
7	KITCHEN COUNTERHEIGHT RECEPT	20 A	1			360 VA	180 VA	1	20 A	DISHWASHER RECEPT (GFCI BREAKER)	8
9	KITCHEN COUNTERHEIGHT RECEPT	20 A	1	540 VA	900 VA			1	20 A	EXTERIOR AND LOBBY(10) RECEPTS	10
11	LOWER HALL RECEPTACLES	20 A	1			1440 VA	180 VA	1	20 A	WATER FOUNTAIN RECPT (GFCI BREAKER)	12
13	STORAGE & BATHROOM RECEPTACLES	20 A	1	1080 VA	1500 VA			1	20 A	LIFT RECEPTACLE	14
15	RAISED FLOOR AREA (24) RECEPTACLES	20 A	1			1080 VA	360 VA	1	20 A	RAISED FLOOR AREA FLOOR RECEPTACLES	16
17	MAIN HALL RECEPTACLES	20 A	1	720 VA	720 VA			1	20 A	MAIN HALL RECEPTACLES	18
19	MAIN HALL RECEPTACLES	20 A	1			1620 VA	0 VA	1	20 A	Other Space 13	20
21	EXTERIOR LIGHTING	20 A	1	360 VA	1000 VA			1	20 A	F-2	22
23	F-1	15 A	1			1000 VA	500 VA	1	20 A	ERV-1	24
25	ERV-2	20 A	1	500 VA	3156 VA					HP-1	26
27	HP-2	60 A	2			4656 VA	3156 VA	2	45 A		28
29				4656 VA	1500 VA			1	20 A	LIFT	30
31	LIFT DOOR OPERATORS	15 A	1			500 VA	500 VA	1	15 A	LIFT VENTILATION	32
33	LIFT PIT LIGHTING	20 A	1	64 VA	818 VA			1	20 A	BASEMENT LIGHTING	34
35						2250 VA	0 VA	1	20 A	RAISED AREA LIGHTING	36
37	WH-1	30 A	2	2250 VA	0 VA			1	20 A	MAIN HALL LIGHTING	38
39	FACP (RED BREAKER & BREAKER LOCK)	20 A	1			200 VA	0 VA			PP1	40
41	SPARE	20 A	1	0 VA	0 VA			2	200 A		42
43	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	44
45	SPARE	20 A	1	0 VA	0 VA			1	20 A	SPARE	46
47	SPARE	20 A	1			0 VA	0 VA	1	20 A	SPARE	48
49	SPARE (GFCI BREAKER)	20 A	1	0 VA	0 VA			1	20 A	SPARE (GFCI BREAKER)	50
51						0 VA	0 VA				52
53	SPARE	40 A	2					2	40 A	SPARE	54
Total Load:				24762 VA		23482 VA					
Total Amps:				206 A		196 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	4000 VA	100.00%	4000 VA	
Lighting	882 VA	100.00%	882 VA	Total Conn. Load: 48243 VA
Receptacle	21400 VA	73.36%	15700 VA	Total Est. Demand: 42543 VA
				Total Conn. Current: 201 A
				Total Est. Demand Current: 177 A

Notes:



REVISIONS	BY	DATE	NUMBER	REVISION DESCRIPTION

PROJECT NAME:

MORETOWN TOWN HALL

1147 RT 100B,
MORETOWN, VT 05660

SHEET TITLE:

PANEL SCHEDULES & LIGHTING CONTROL DETAILS

DRAWN BY	DATE
BDF	02/21/25
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