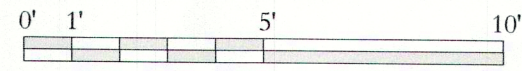
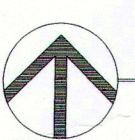
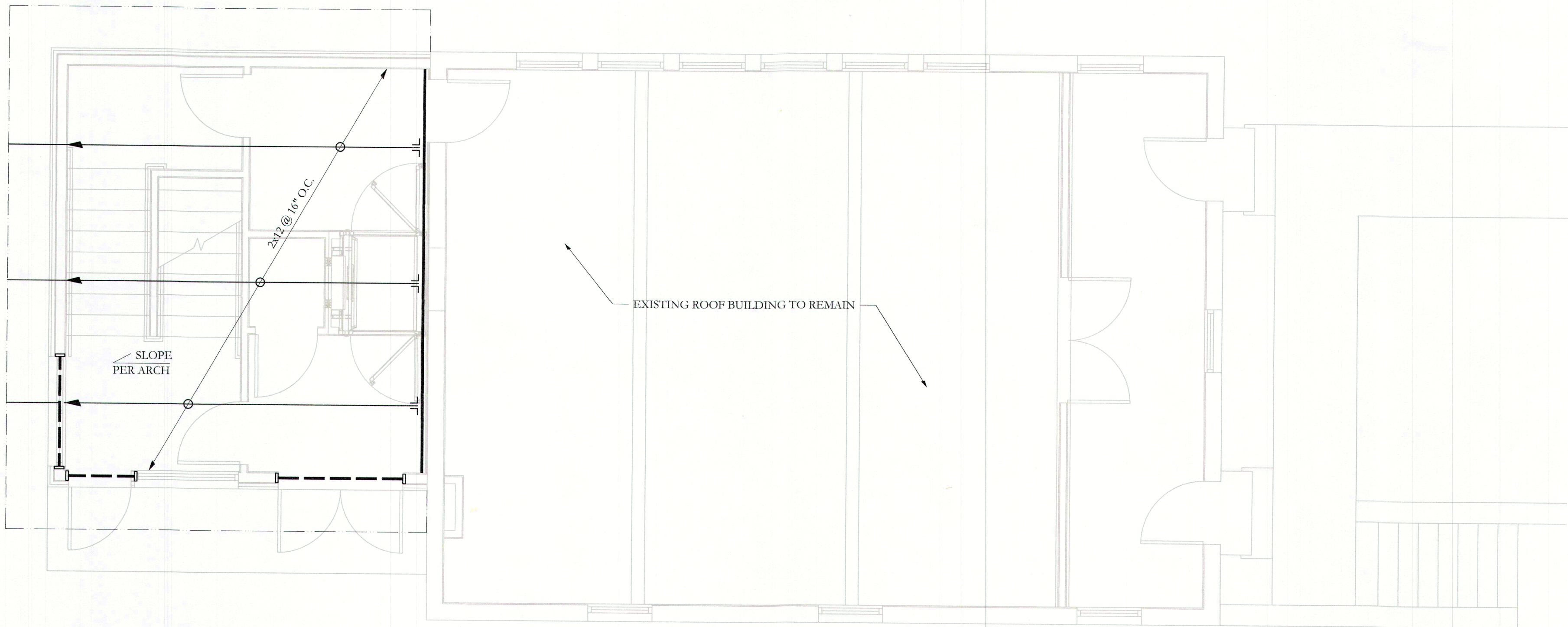


ROOF FRAMING PLAN



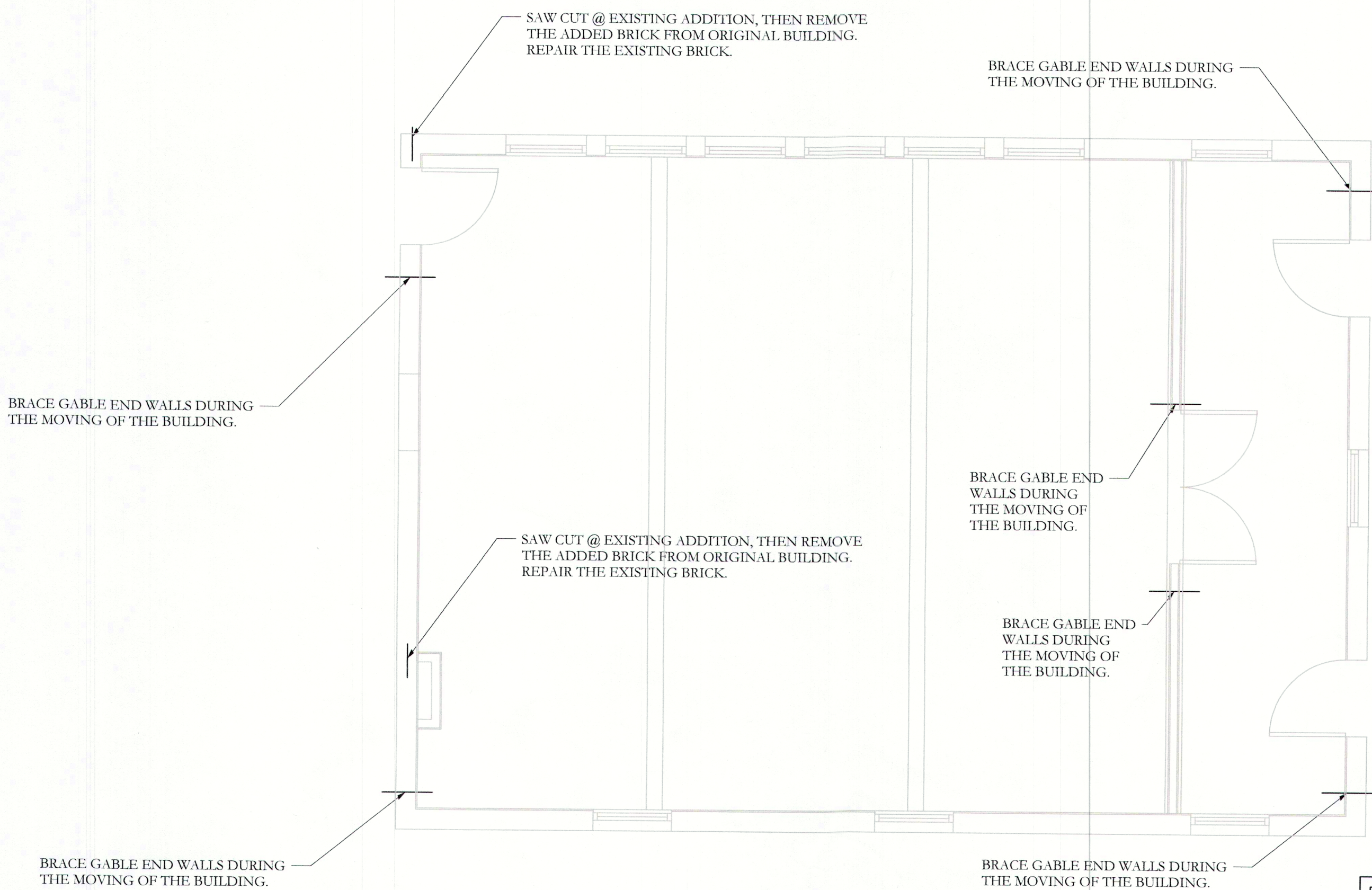
- NOTES:
- SEE SHEET S1.0 FOR GENERAL STRUCTURAL NOTES
 - SEE ARCH FOR ROOF SLOPES, INSULATION, ROOF DRAIN LOCATIONS AND ADDITIONAL ROOFING INFORMATION -TYP.
 - ROOF SHEATHING SHALL BE 5/8" CDX PLYWOOD OR 5/8" OSB, APA 32/16 NAILED WALL SHEATHING TO BE 1/2" CDX PLYWOOD OR 7/16" OSB, APA 24/16 BLOCKED NAILED. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.
 - ALL WOOD WALL FRAMING TO BE 2x6 @ 16" O.C. W/ 7/16" RATED WALL SHEATHING. FASTEN SHEATHING W/ 8d @ 4" O.C. AT ALL PANEL EDGES AND 12" O.C. IN FIELD, BLOCK ALL PANEL EDGES. SEE GENERAL NOTES FOR MORE INFORMATION.
 - CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND NOTIFY S.I. INC. IF CONDITIONS ARE NOT WHAT IS SHOWN ON THE CONTRACT DRAWINGS.
 - NOT ALL EXISTING CONDITIONS ARE SHOWN ACCURATELY IF NO REPAIRS WERE REQUIRED. CONTRACTOR SHALL NOT REMOVE ANY EXISTING STRUCTURE WITHOUT DIRECTION FROM S.I. INC. UNLESS SPECIFICALLY INDICATED ON STRUCTURAL DRAWINGS ALL EXISTING STRUCTURE SHALL REMAIN.
 - CONTRACTOR SHALL NOTIFY S.I. INC. OF ANY DAMAGED STRUCTURE NOT IDENTIFIED ON STRUCTURAL DRAWINGS.
 - CONTRACTOR IS RESPONSIBLE TO SHORE EXISTING STRUCTURE AS REQUIRED TO PERFORM THE WORK SPECIFIED ON THE STRUCTURAL DRAWINGS.
 - CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BUILDING AND STRUCTURE ADJACENT TO ANY AREA OF WORK.

FRAMING PLAN SYMBOLS KEY	
	WOOD POST
	STEEL COLUMN
	NUMBER OF WOOD STUDS IN POST BELOW
	COLUMN OR POST ABOVE THIS LEVEL
	COLUMN OR POST BELOW THIS LEVEL
	COLUMN OR POST CONT. THROUGH THIS LEVEL
	JOIST BEARING
	CONTINUOUS JOIST WITH INTERMEDIATE BEARING
	FLUSH FRAMED JOIST BEARING WITH HANGER
	WOOD STUD BEARING WALL BELOW
	WOOD STUD SHEAR WALL BELOW
	WOOD STUD BEARING WALL ABOVE
	HATCHING INDICATES OVER FRAMING BY OTHERS -TYP
	NUMBER OF TRIM STUDS UNDER HEADER
	NUMBER OF KING STUDS ADJACENT TO HEADER
	INDICATES FLUSH TOP BEAM MEMBER UNO
	INDICATES DROPPED BEAM MEMBER
	INDICATES BEAM BEARING W/ HANGER -TYP



DEMO REFERENCE PLAN

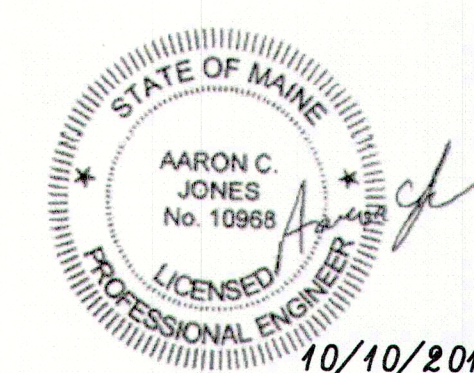
SCALE = NTS



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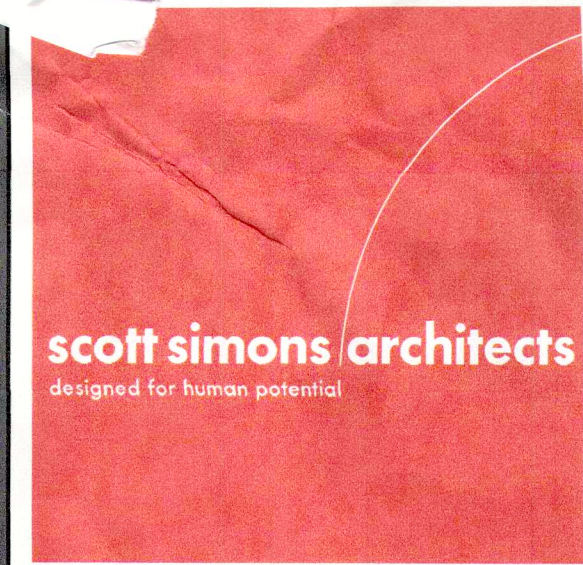
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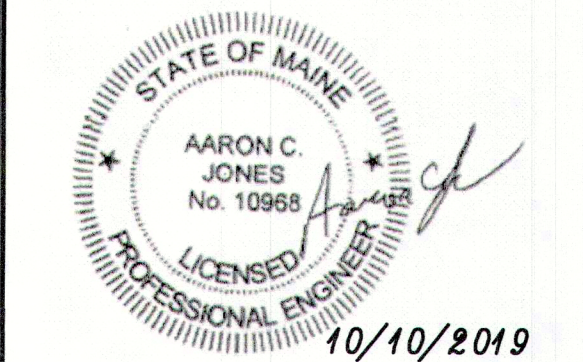
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PROJECT NUMBER: 2019-
STATUS: EXISTING CONDITI

ROOF FRAMING
AND DEMO
PLAN

S1.2



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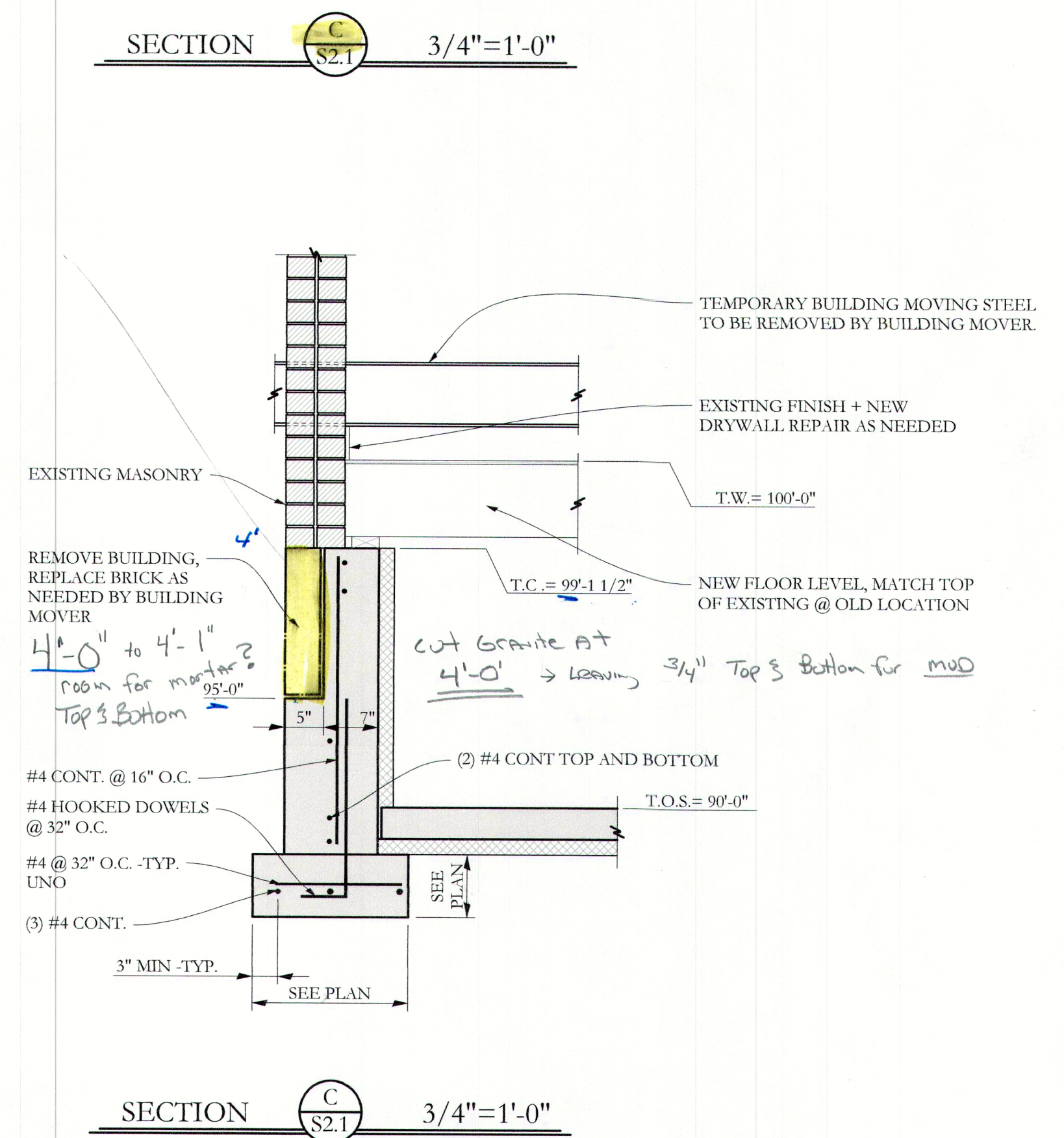
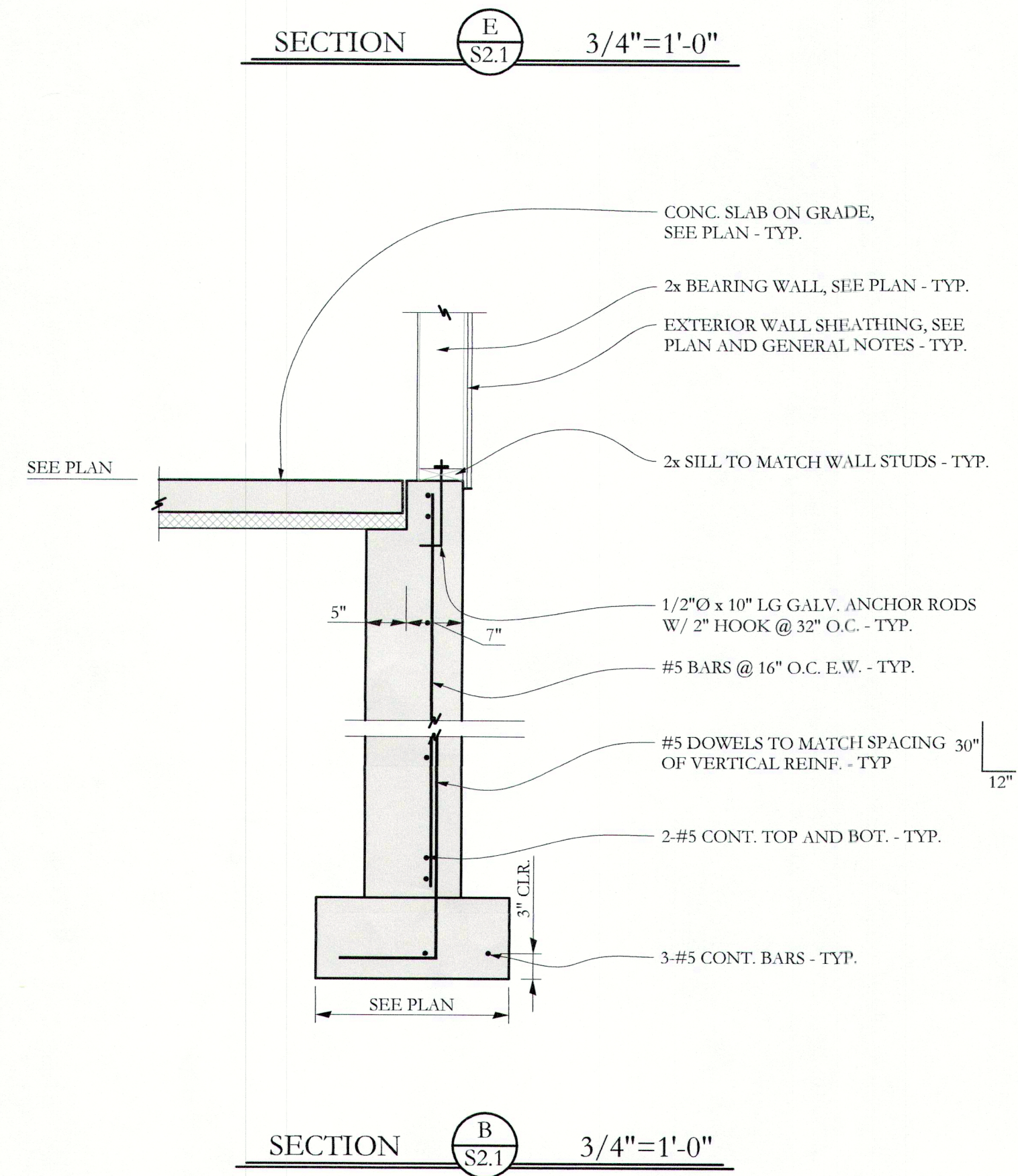
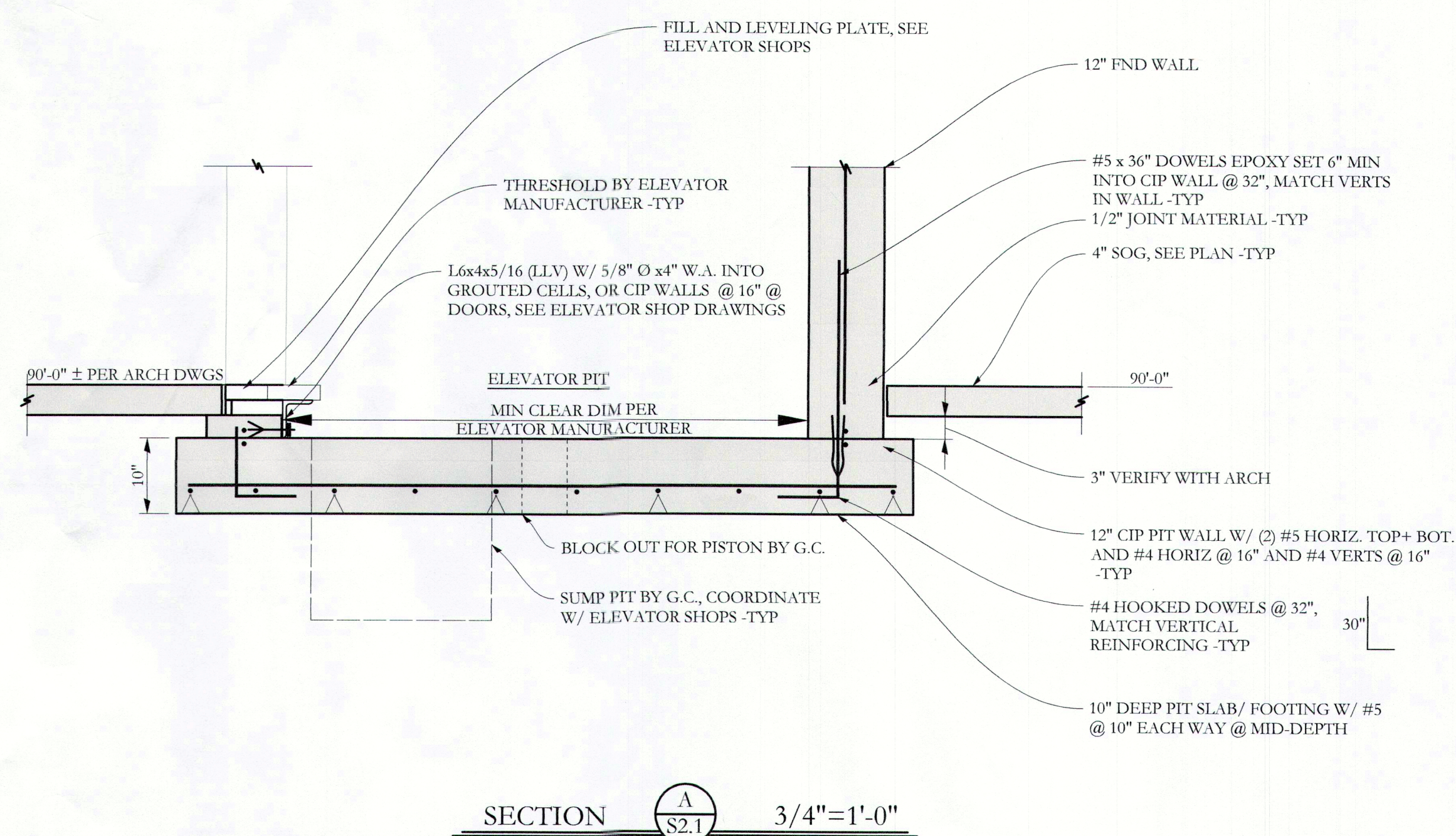
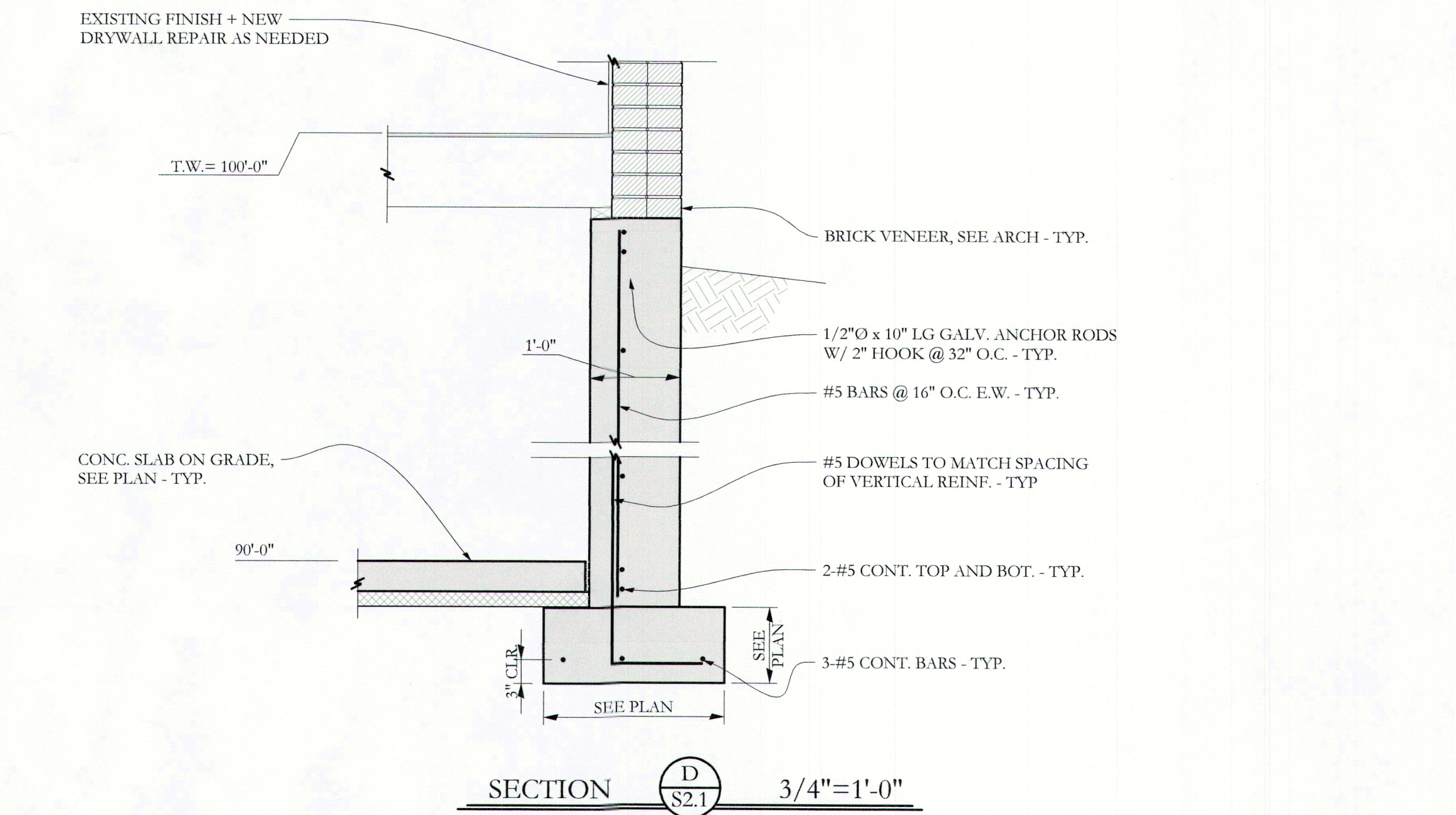
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DETAILS

S2.1



3'-11" x 4" wide x 4"
Ask mason

PERMIT SET

266 MAIN ST, CUMBERLAND CENTER, ME 04021
BUILDER'S SET: ISSUED FOR PERMIT
DATE OF ISSUE: SEPTEMBER 30, 2019

M/E/P/FP ENGINEER
Bennett Engineering, Inc.
PO Box 297, 7 Bennett Road
Freeport, ME 04032
207.865.9475
Will Bennett
will@bennettengineering.net

SURVEYOR
By Owner, for Reference Only

Boundary Points Survey
PO Box 175
Cumberland, ME 04021
207.854.1015
David Bouffard, PLS, LSE
boundarypoints@gmail.com

A101	MAIN AND LOWER FLOOR PLANS
A131	REFLECTED CEILING PLANS
A201	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A311	WALL SECTIONS
A601	DOOR & WINDOW SCHEDULE

S1.0	GENERAL NOTES
S1.1	FOUNDATION & FIRST FLOOR FRAMING PLAN
S1.2	ROOF FRAMING PLAN
S2.1	DETAILS



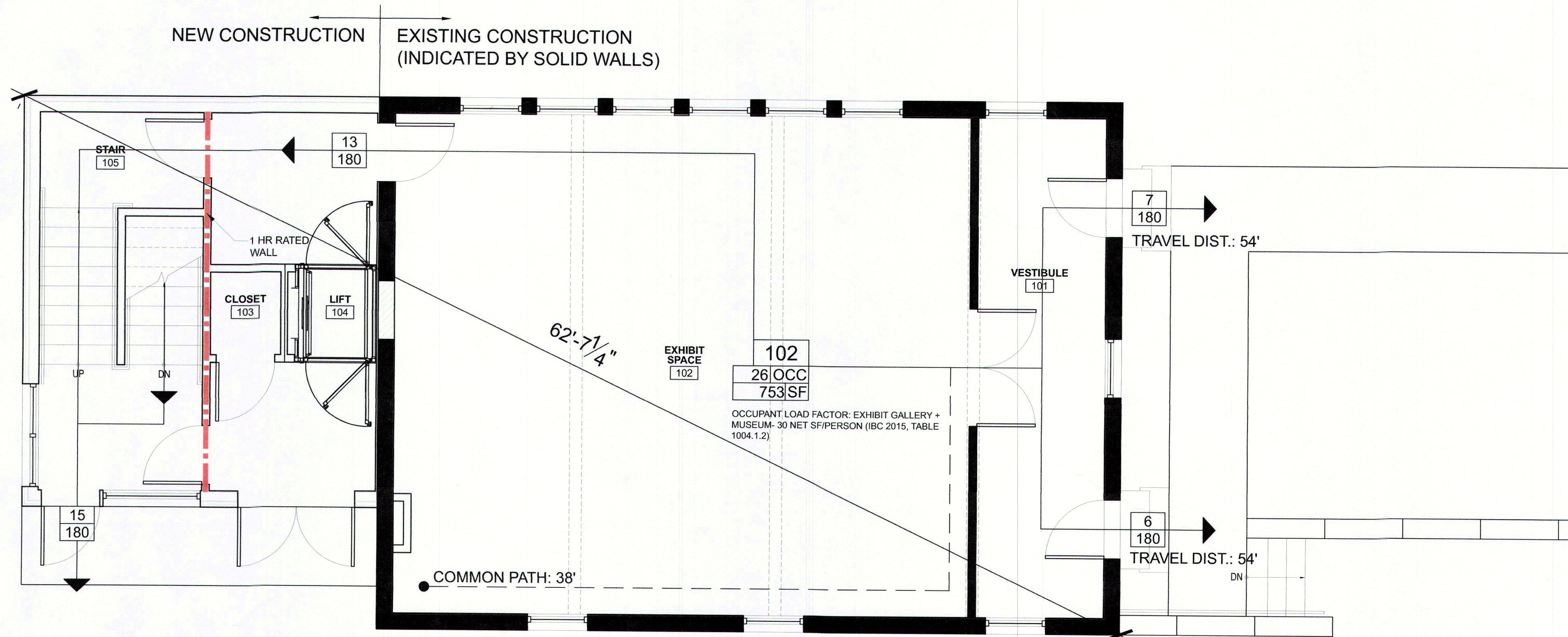
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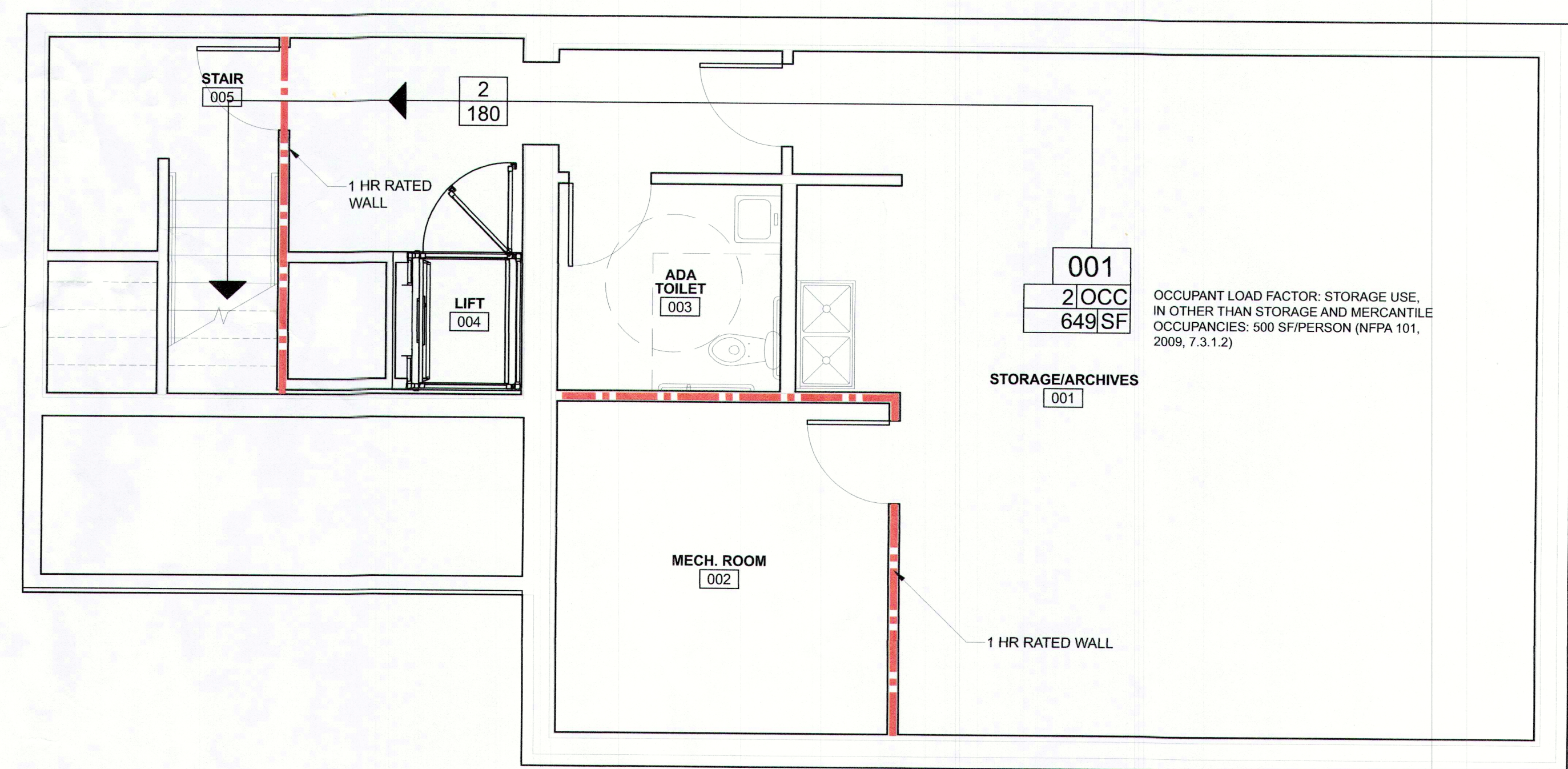
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COVER SHEET

G001



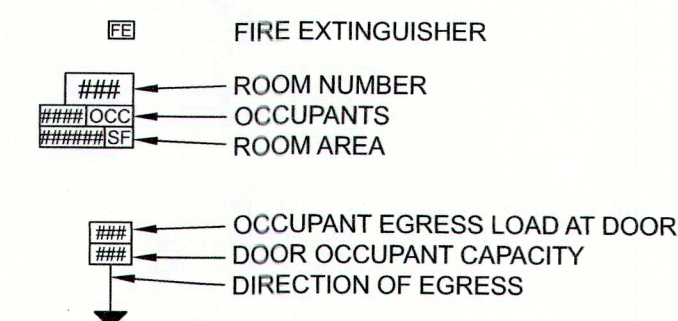
1 LIFE SAFETY PLAN: MAIN LEVEL
SCALE: 1/4" = 1'-0"



2 LIFE SAFETY PLAN : LOWER LEVEL
SCALE: 1/4" = 1'-0"

LIFE SAFETY PLAN LEGEND

SEE A101 FOR PARTITION TYPES



--- 1-HOUR FIRE RATED SEPARATION
--- 30-MIN. FIRE RATED SEPARATION

CODE SUMMARY:

APPLICABLE CODES

Maine Uniform Building and Energy Code "MUBEC"
Consists of the following applicable codes:

2015 International Building Code (IBC), updated January 2018
2015 International Existing Building Code (IEBC), updated January 2018
2009 International Energy Conservation Code (IECC), updated January 2018
2007 ASHRAE 62.1 (Ventilation for Acceptable Indoor Air Quality)
2007 ASHRAE 62.2 (Ventilation for Acceptable Indoor Air Quality)

Fire/ Life Safety

NFPA Life Safety Code as adopted by the State of Maine
Including but not limited to:

2009 NFPA 101: Life Safety Code
2007 NFPA 13: Installation of Sprinkler Systems, [2010 Edition through Equivalency]

Accessibility

1991 Americans with Disabilities Act / ADAAG 36 CFR
2010 ADA Standards for Accessible Design

NOTE: All Codes shall include changes/amendments by the State of Maine

OCCUPANCY CLASSIFICATION (IBC Sec 303.4)
(NFPA Chapter 6, Section 6.1.8.1.2)

Assembly Group A-3
Exhibit gallery and museum (30 net)

AUTOMATIC SUPPRESSION SYSTEM (NFPA 13)

Not provided in existing or renovated areas, to be sprinklered in future Phase 2.
Sprinkler exceptions not taken

GENERAL BUILDING INFORMATION AND ALLOWABLE BUILDING HEIGHTS AND AREA (IBC Chapter 5, Table 504.3)

Building Height: 2 Stories
Total Area: 2,836 SF
Perimeter: 167'

Allowable Building Height 40'

Allowable Building Area Occupancy
(per IBC chapter 3)

Construction Type
(per IBC chapter 6)

Allowable Area (IBC Table 506)
A-3 VB 6,000 SF Tabular

Actual Area
Renovation, Addition 2,836 SF

Building Area Modifications
(IBC Sec 506.1, 506.2, 506.3)

No increase taken

REQUIRED OCCUPANCY SEPARATIONS (IBC Table 508.4)
(NFPA)

A-3 No separation requirements

TYPES OF CONSTRUCTION (IBC Table 601, Sec 602)
(NFPA 220)

Type VB

FIRE RESISTIVE RATINGS (IBC Table 601)
(NFPA Table A.8.2.1.2)

	TYPE VA	TYPE VB
PRIMARY STRUCTURAL FRAME	1	0
BEARING WALLS, EXTERIOR AND INTERIOR	1	0
NON-BEARING WALLS AND PARTITIONS, EXTERIOR	1	0
NON-BEARING WALLS AND PARTITIONS, INTERIOR	0	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	1	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	1	0

OCCUPANCY LOAD (IBC Table 1004.1.2)
(NFPA)

Assembly
Exhibit gallery and museum - 30 net sf per occupant= 26
Storage use other than storage and mercantile occupancies- 500 sf/per occupant= 2

MEANS OF EGRESS
(IBC Chapter 10)

EGRESS WIDTH PER OCCUPANT
(IBC 1005.1)

0.3 Inches per occupant for stairways
0.2 Inches for other egress components

STAIRWAY WIDTH
(IBC 1005.3.1)

0.3 Inches per occupant
0.2 Inches per occupant for stairways in buildings equipped throughout with an automatic sprinkler
Stairways serving an occupant load of less than 50 shall have a width not less than 36" (IBC 1011.2.1)

EXIT ACCESS

Common path of egress travel
(IBC Table 1006.2.1)

For A-3, without sprinkler system 75'

Corridor Fire Resistance

(IBC 1020.1)
Occupant load <30, no fire-resistance rating required

Corridor Width

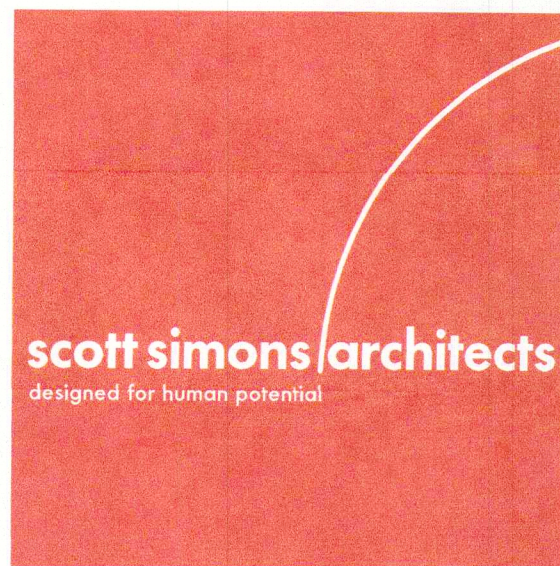
(IBC Table 1020.2)
With an occupant load less than 50, 36"

Dead-End Corridor

(IBC 1020.4)
The length of the dead-end corridors shall not exceed 20'

PLUMBING FIXTURE COUNT
(IBC Table 2902.1)

	WC	Lav.	Bathtub/Shower	Drinking Fountain	Service Sink
Assembly A-3	1 per 125-M, 1 per 65 F	1 per 200	-	1 per 500	1
Totals required	1	1	0	1	1
Provided	1	1	0	0	1



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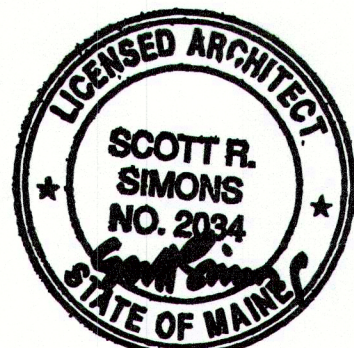
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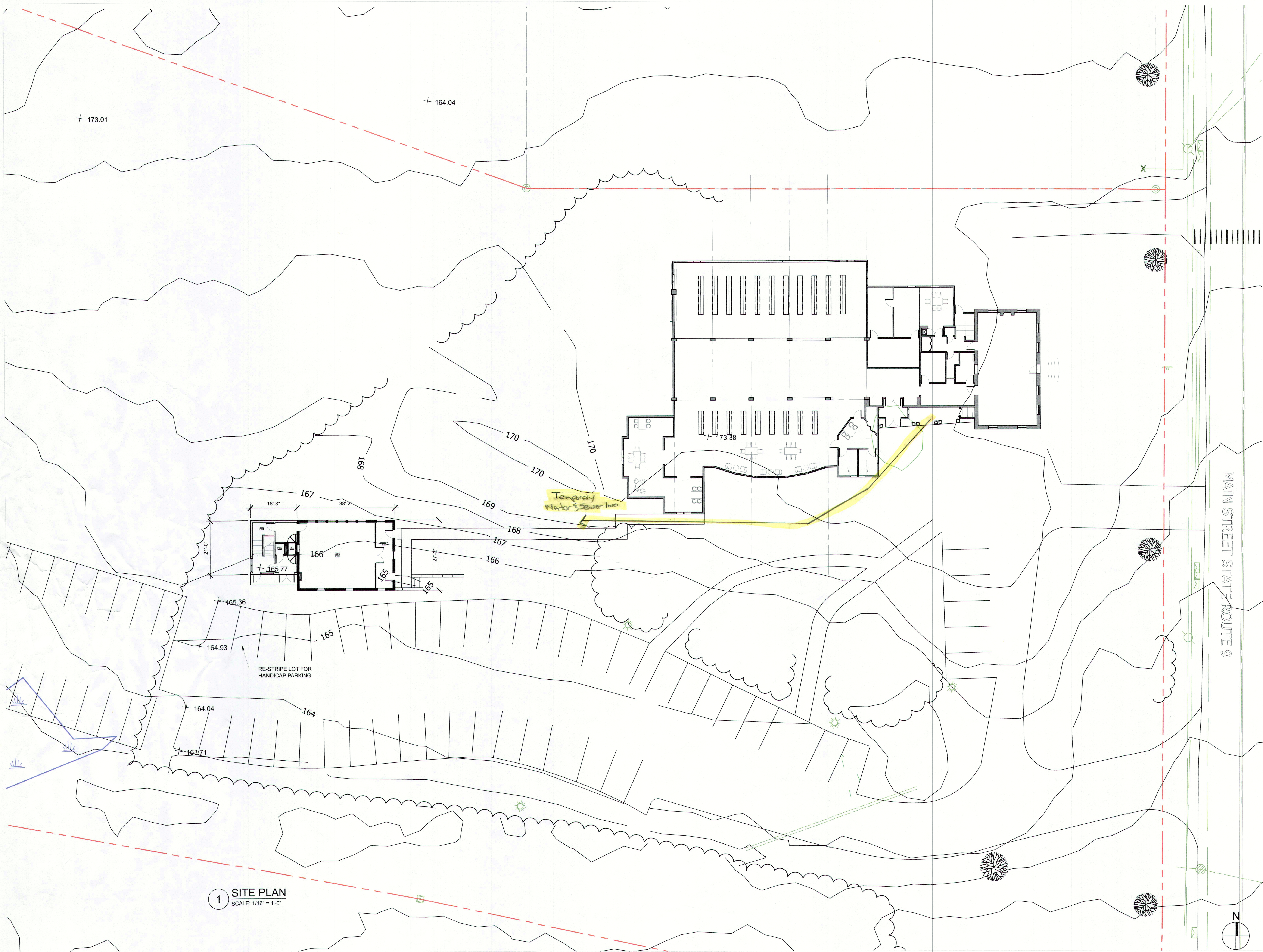
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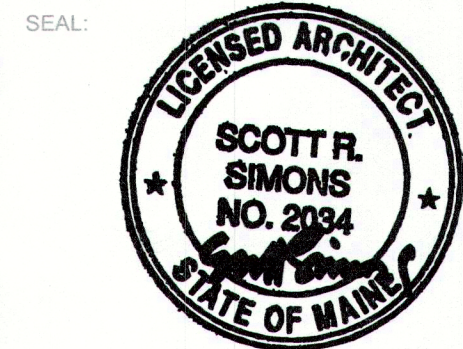
LIFE SAFETY PLAN

G002



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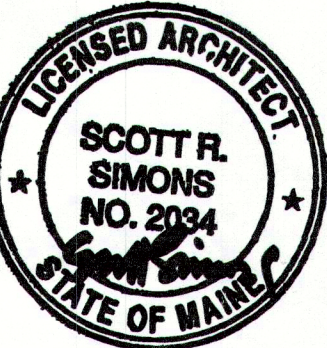
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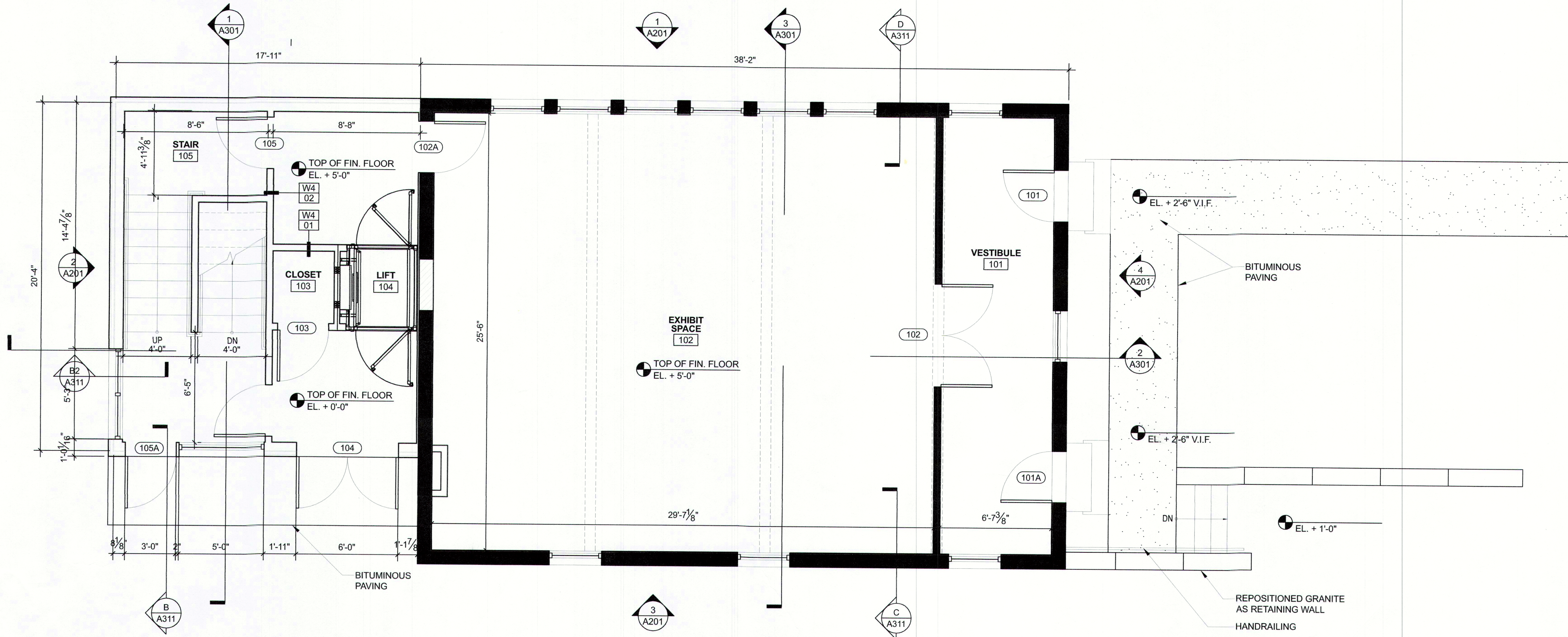
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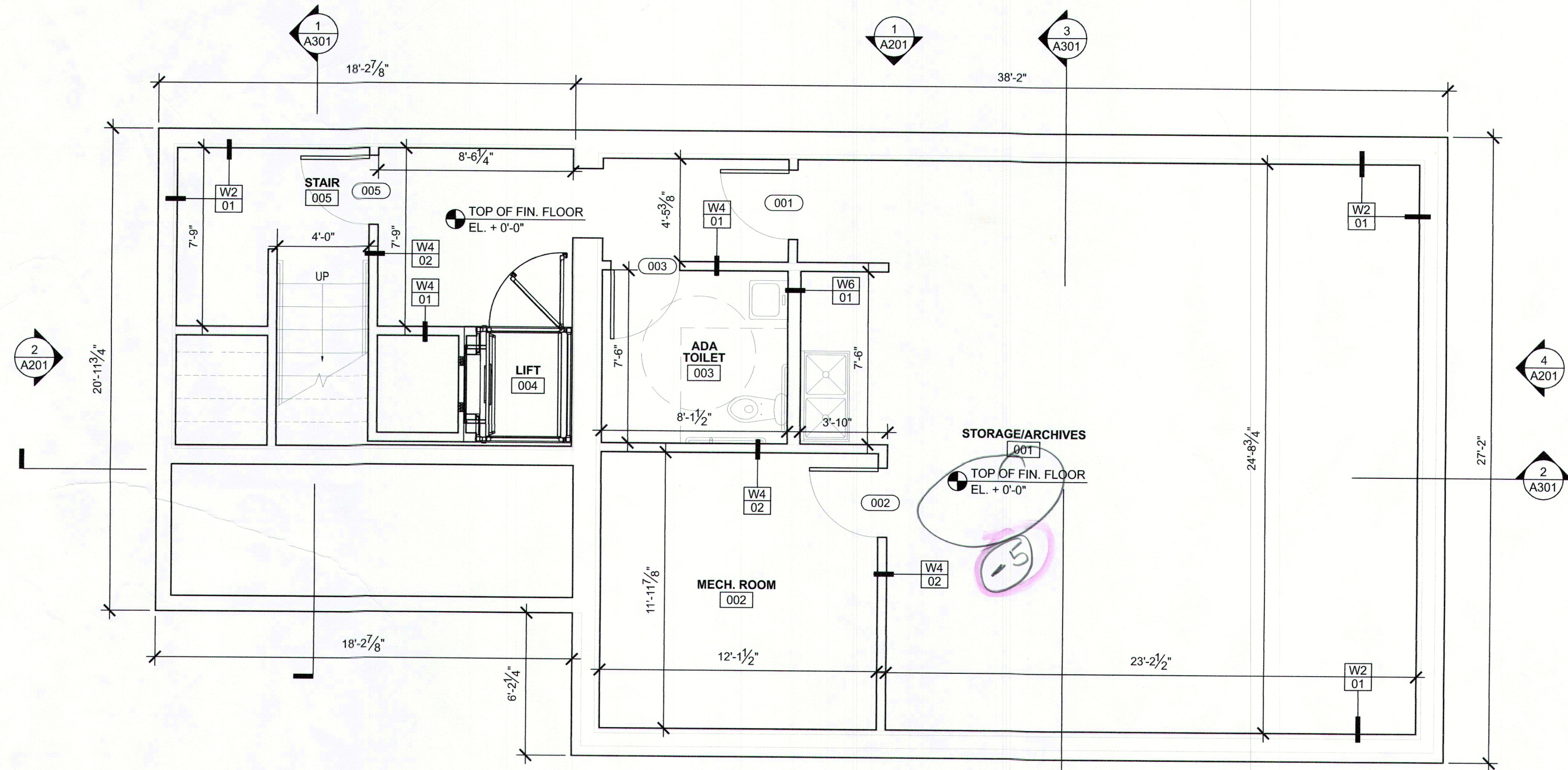
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FLOOR PLANS

A101

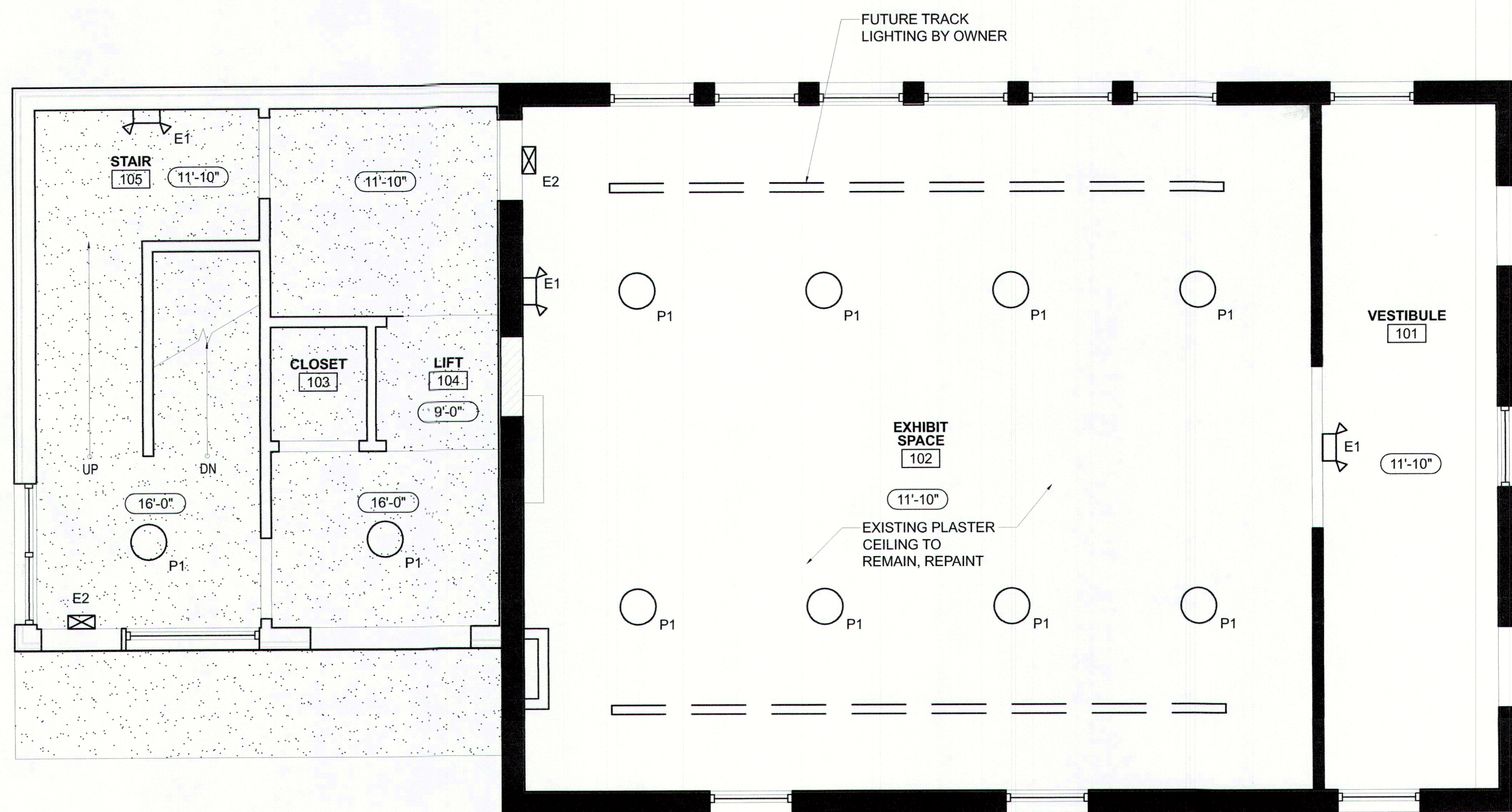


1 MAIN LEVEL PLAN
SCALE: 1/4" = 1'-0"

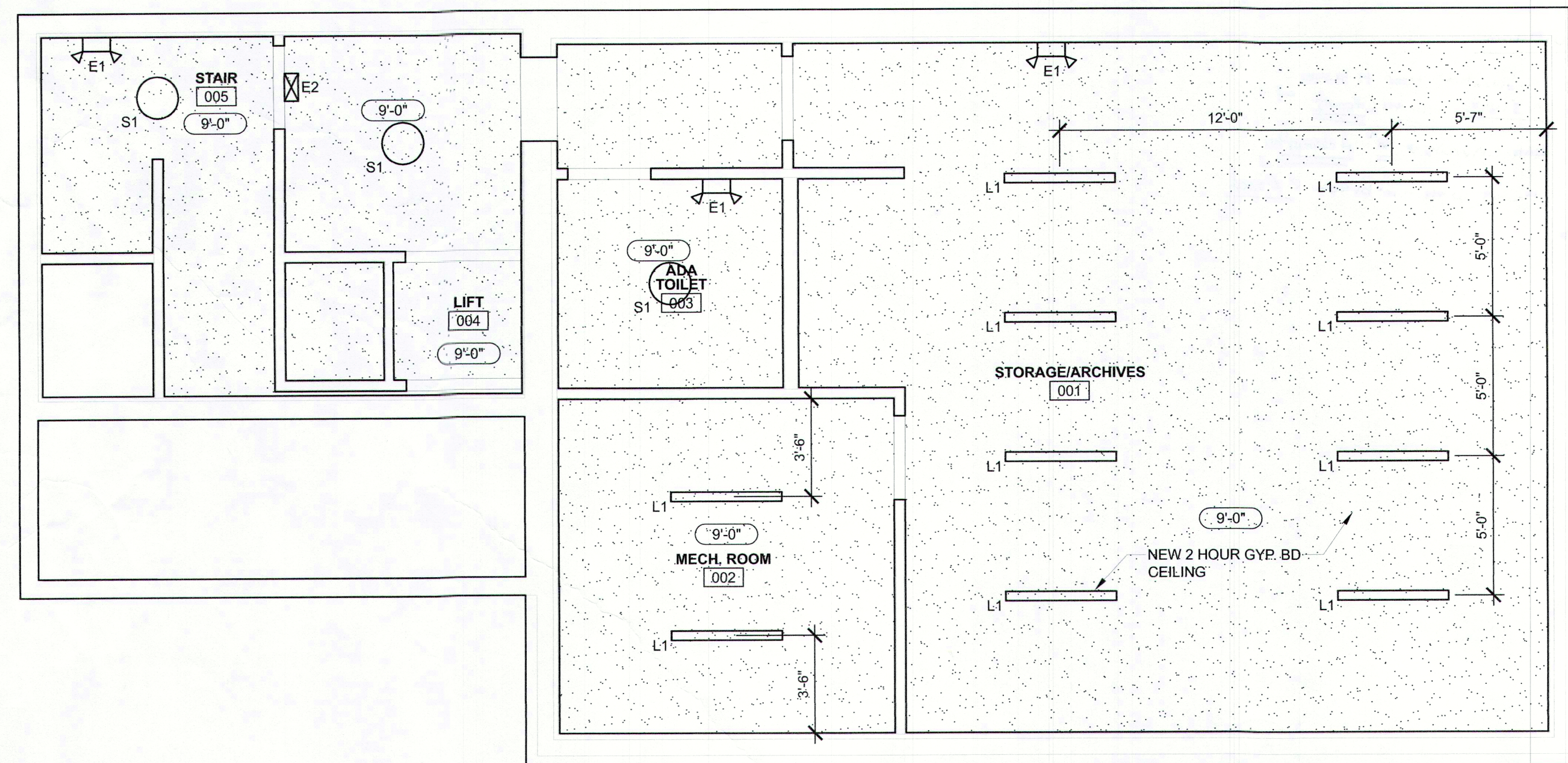


2 LOWER LEVEL PLAN
SCALE: 1/4" = 1'-0"

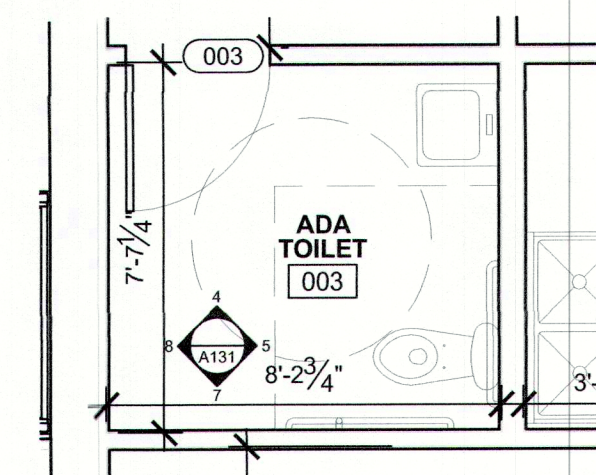
PARTITION TYPES	
W2 01	5/8" MR GWB 2 X 4 PT @ 16" O.C. 1-1/2" RIGID INSULATION
UL# RATING -- MINS	
W4 01	5/8" GWB BOTH SIDES ACOUSTICAL BATT INSULATION 2 X 4 WOOD STUDS @ 16" O.C. NOTE: MOISTURE RESISTANT QUIET ROCK TO BE INSTALLED AT ALL BATHROOM PARTITIONS. MOISTURE RESISTANT GWB TO BE INSTALLED AT ALL WET WALLS OTHERWISE.
UL# RATING -- MINS	
W4 02	5/8" TYPE X GWB BOTH SIDES ACOUSTICAL BATT INSULATION 2 X 4 WOOD STUDS @ 16" O.C. NOTE: EXTEND TO UNDERSIDE OF DECK ABOVE, FIRE SEAL ALL JOINTS AND PENETRATIONS
UL# U305 RATING 60 MINS	
W6 01	(1) LAYER OF 5/8" GWB MINERAL WOOL INSULATION 2 X 6 WOOD STUDS @ 16" OC (1) LAYER OF 5/8" TYPE X GWB NOTE: MOISTURE RESISTANT QUIET ROCK TO BE INSTALLED AT ALL BATHROOM PARTITIONS. MOISTURE RESISTANT GWB TO BE INSTALLED AT ALL WET WALLS OTHERWISE.
UL# RATING -- MINS	
GENERAL PARTITION NOTES:	
1. PROVIDE WOOD BLOCKING BETWEEN ALL STUDS TO REINFORCE GWB WALLS AT THE FOLLOWING LOCATIONS: A. BEHIND ALL DOORS RECEIVING WALL MOUNTED BUMPERS B. AT ALL WALLS RECEIVING GRAB BARS	
2. STUD SPACING SHOWN ON PARTITION TYPES IS MINIMUM STANDARD. REFER TO STRUCTURAL DOCUMENTS FOR ADDITIONAL FRAMING REQUIREMENTS.	
3. BATHROOM AND WET WALL LOCATIONS TO HAVE 5/8" MOISTURE RESISTANT GWB AND/OR TILE BACKER BOARD.	



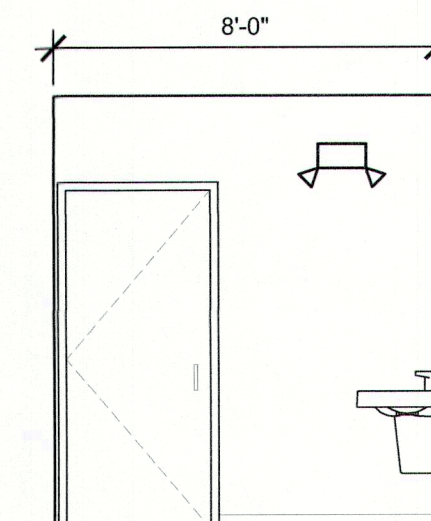
1 MAIN LEVEL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



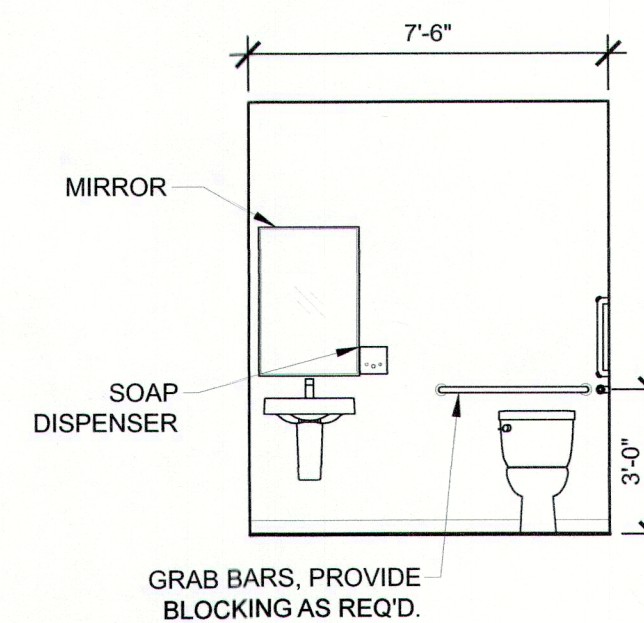
2 LOWER LEVEL REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"



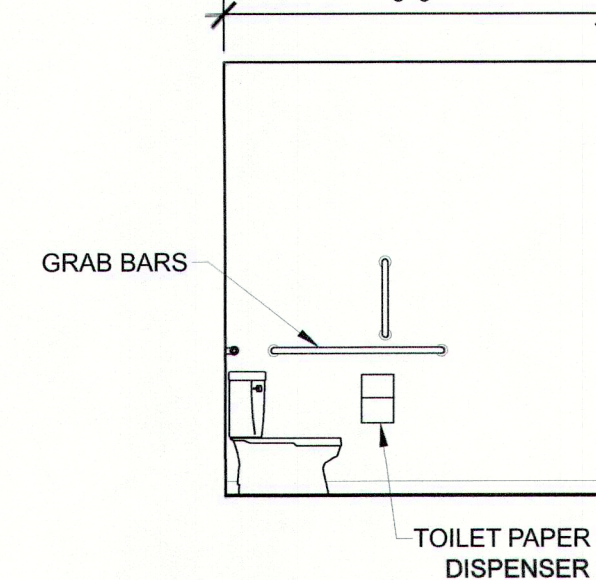
3 ADA BATH 003 PLAN
SCALE: 1/4" = 1'-0"



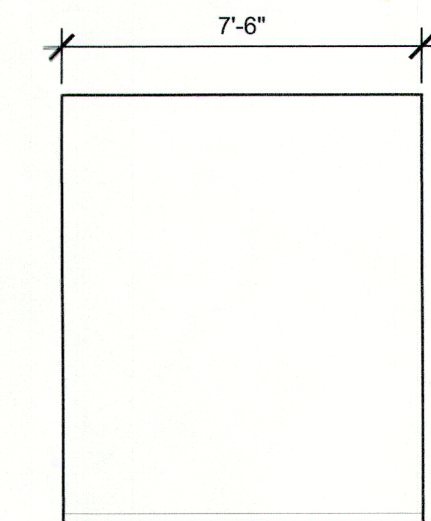
4 ADA BATH 003 ELEVATION
SCALE: 1/4" = 1'-0"



5 ADA BATH 003 ELEVATION
SCALE: 1/4" = 1'-0"



6 ADA BATH 003 ELEVATION
SCALE: 1/4" = 1'-0"

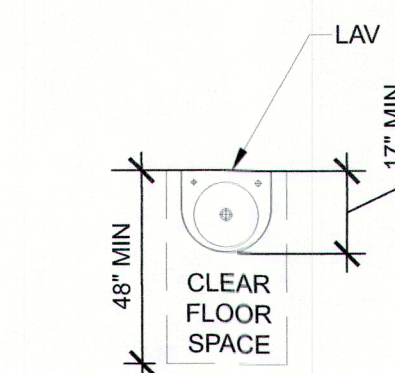
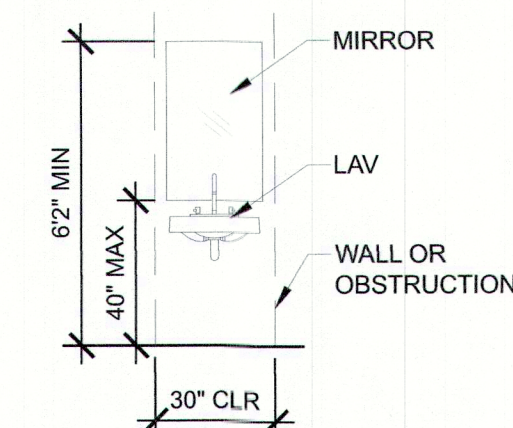
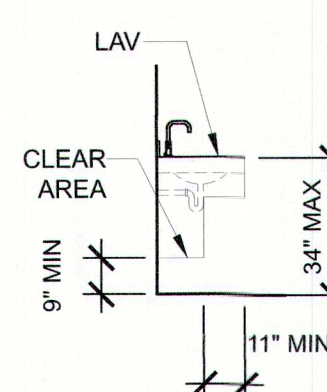
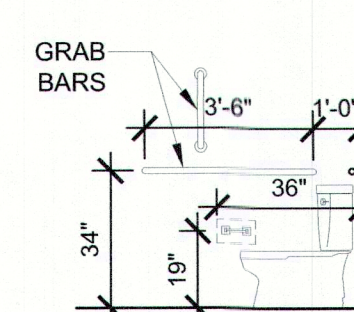
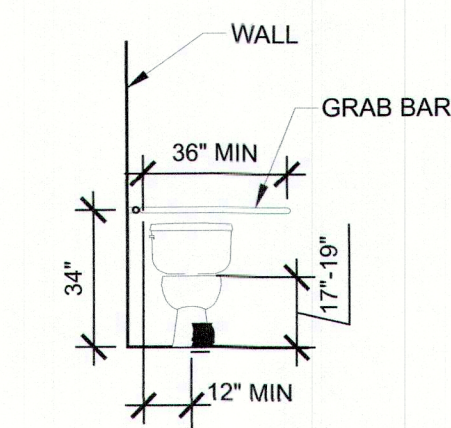


7 ADA BATH 003 ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL RCP NOTES

1. REFER TO DWG G002 FOR FIRE RESISTANCE RATINGS
2. REFER TO THIS PLAN FOR DIMENSIONS AND LOCATIONS OF ALL CEILING MOUNTED ITEMS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR QUANTITIES AND PRODUCT DESCRIPTIONS.
3. DIMENSIONS SHOWN ARE TO CENTERLINES OF SPECIFIC ITEMS. LINEAR LAYOUTS OF ITEMS NOT DIMENSIONED ARE REQUIRED TO BE EQUALLY SPACED ON CENTER WITHIN A DEFINED AREA.
4. COORDINATE ALL INSTALLATIONS WITH FIRE PROTECTION SYSTEMS.
5. IN GWB/HARD CEILINGS, PROVIDE FLUSH, PAINTABLE ACCESS PANELS AS NECESSARY FOR ACCESS TO VALVES, SERVICE POINTS, SPRINKLER CONTROLS AND OTHER MECHANICAL PLUMBING SYSTEMS.








ADA PLUMBING FIXTURES



NOTES:

1. REFER TO PLANS & ELEVATIONS FOR ACTUAL LAYOUT OF TOILET ROOMS AND QUANTITIES OF TOILET FIXTURES & ACCESSORIES.
2. THIS DRAWING IS FOR PURPOSES OF LOCATION OF TYPICAL ITEMS IN ADA TOILET/SHOWER ROOMS. REFER TO OTHER DRAWINGS & SPECIFICATIONS FOR COMPLETE DESCRIPTION OF ITEMS REQUIRED. ALL REQUIRED ITEMS MAY NOT BE SHOWN.

LEGEND

	PAINTED GWB CEILING	
	L1	48" LINEAR SURFACE MOUNTED
	S1	18" SURFACE MOUNTED
	P1	16" PENDANT
	W1	WALL PACK
	E1	EMERGENCY LIGHT
	E2	EXIT LIGHT



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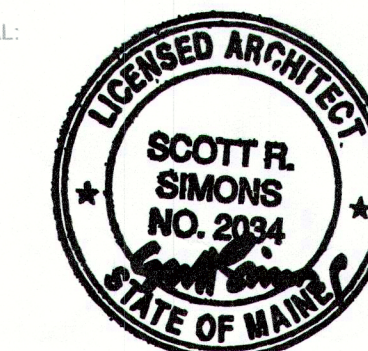
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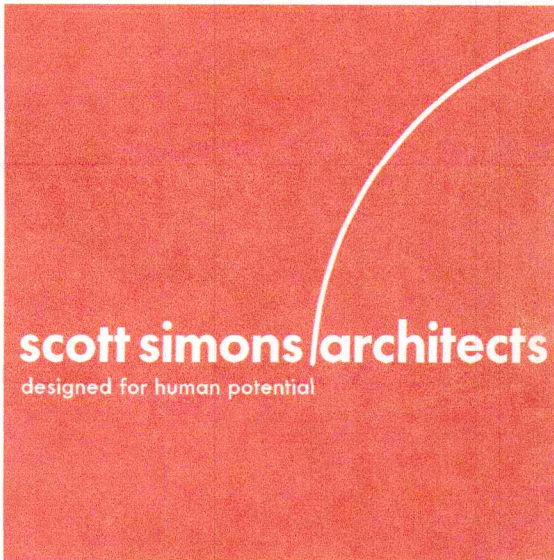
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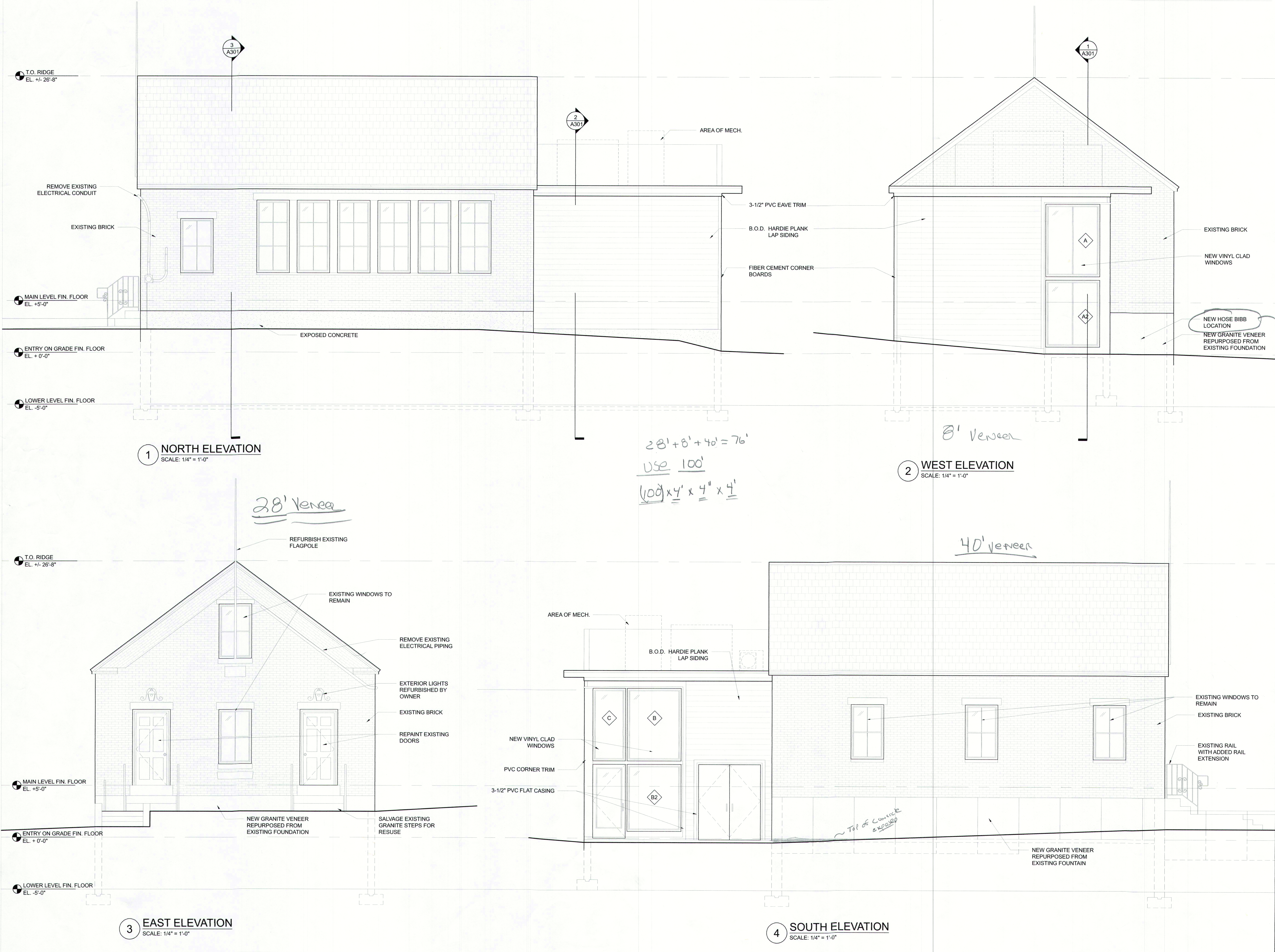
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REFLECTED
CEILING PLANS &
INTERIOR
ELEVATIONS

A131

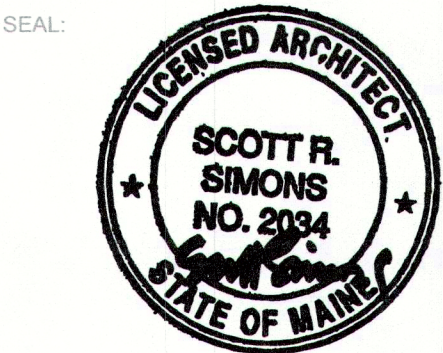


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PROJECT NAME:
**CUMBERLAND
HISTORICAL
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RELOCATION**
RENOVATIONS AND ALTERATIONS
226 MAIN STREET
CUMBERLAND, MAINE 04021



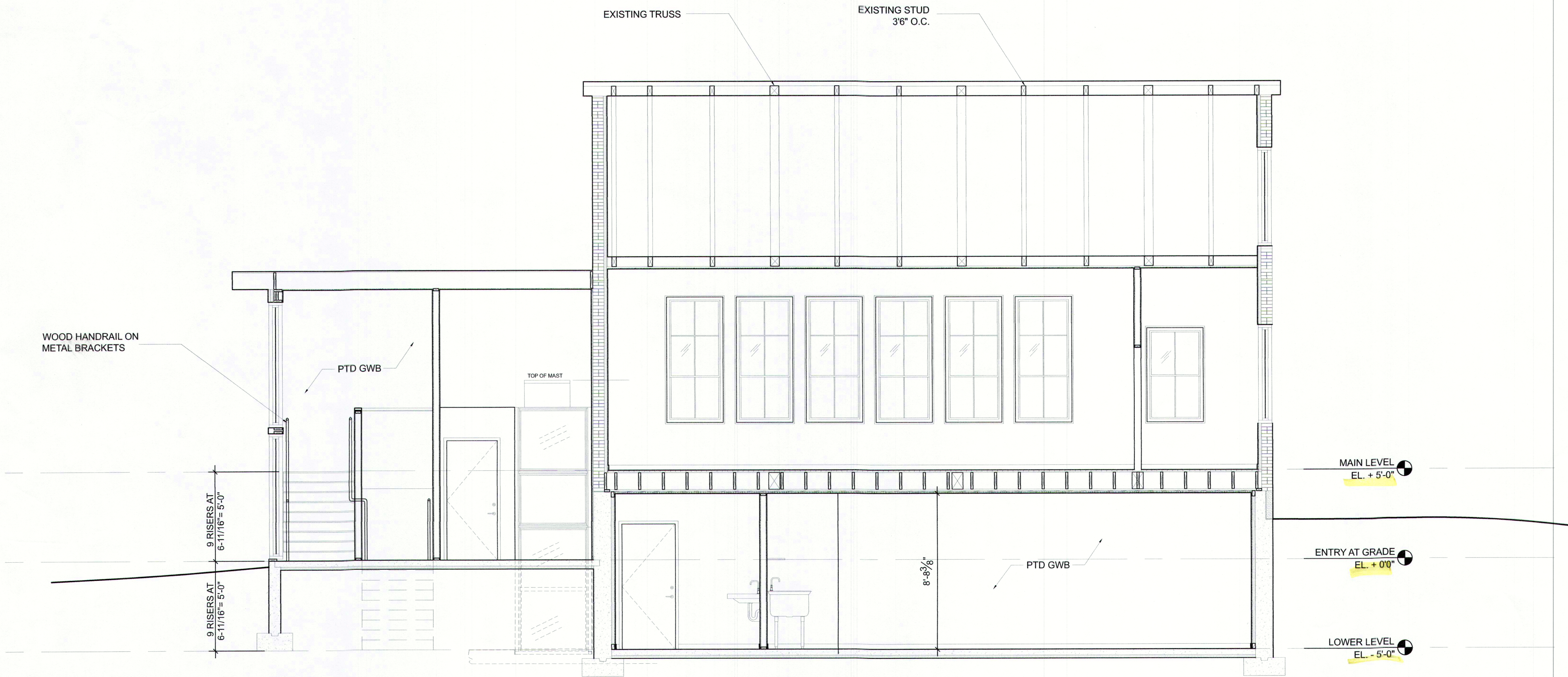
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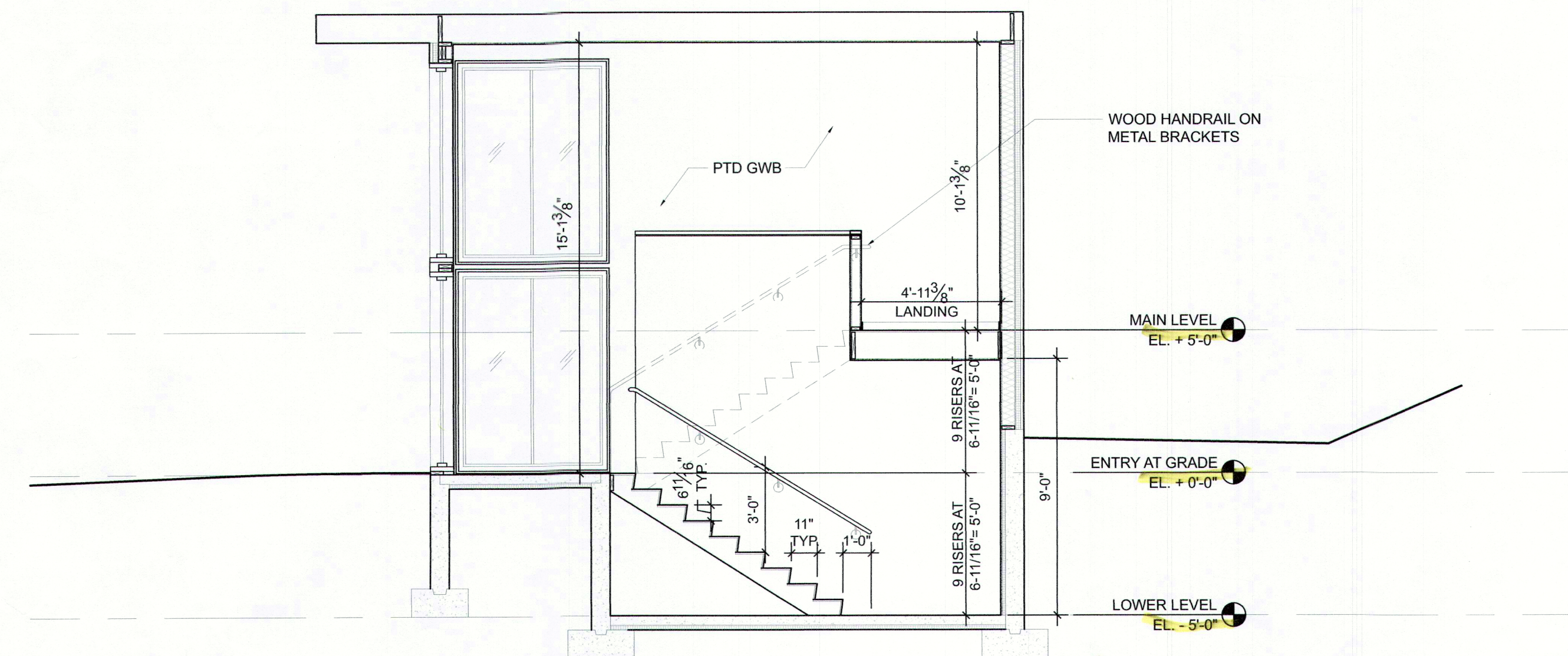
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**EXTERIOR
ELEVATIONS**

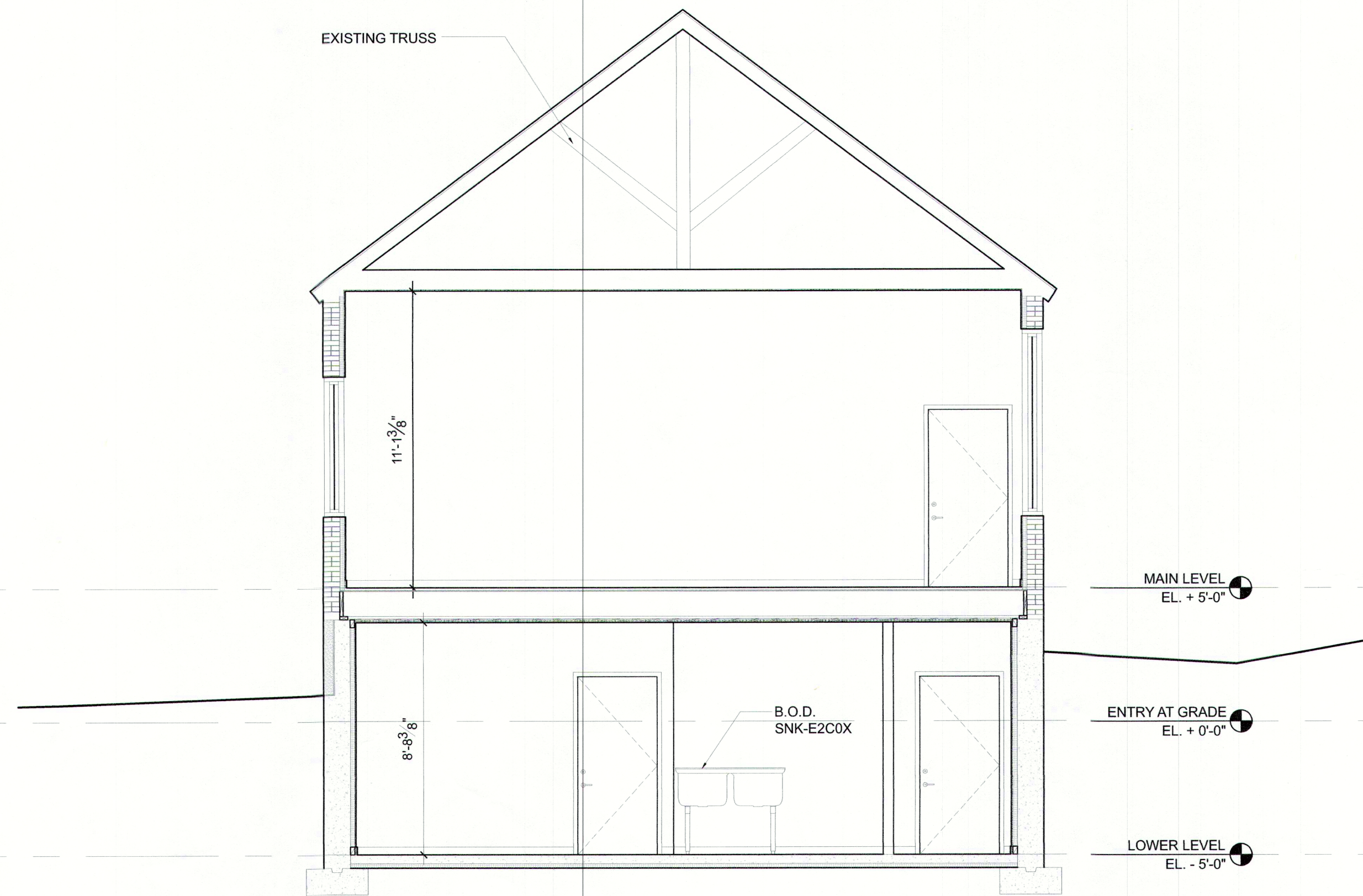
A201



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



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



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

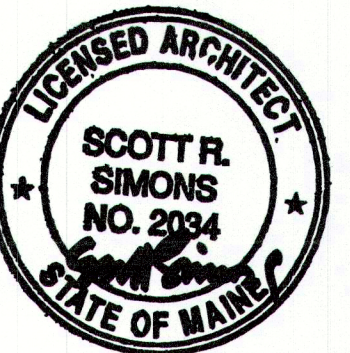
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CUMBERLAND HISTORICAL SOCIETY RELOCATION

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SECTIONS

A301

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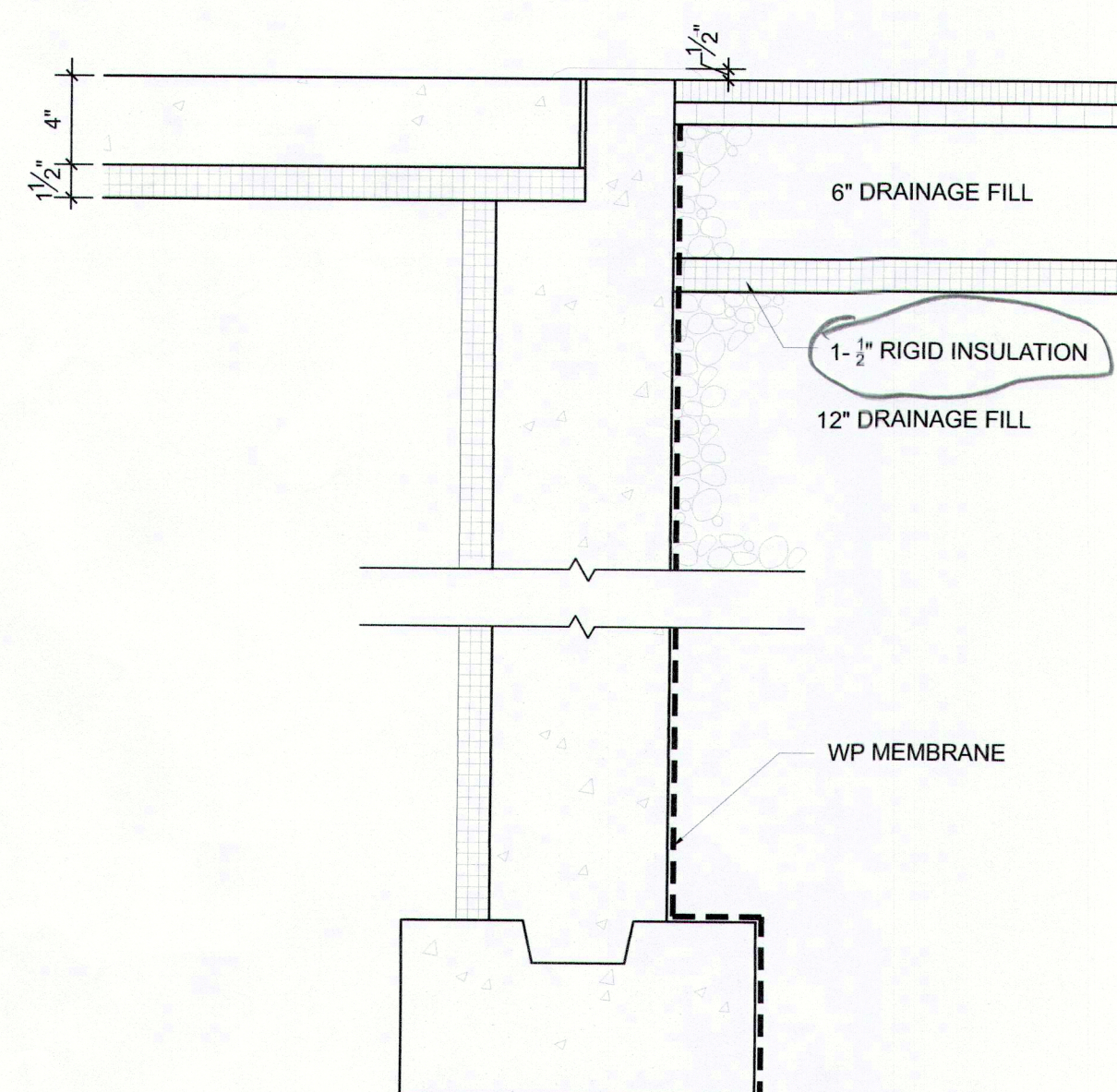
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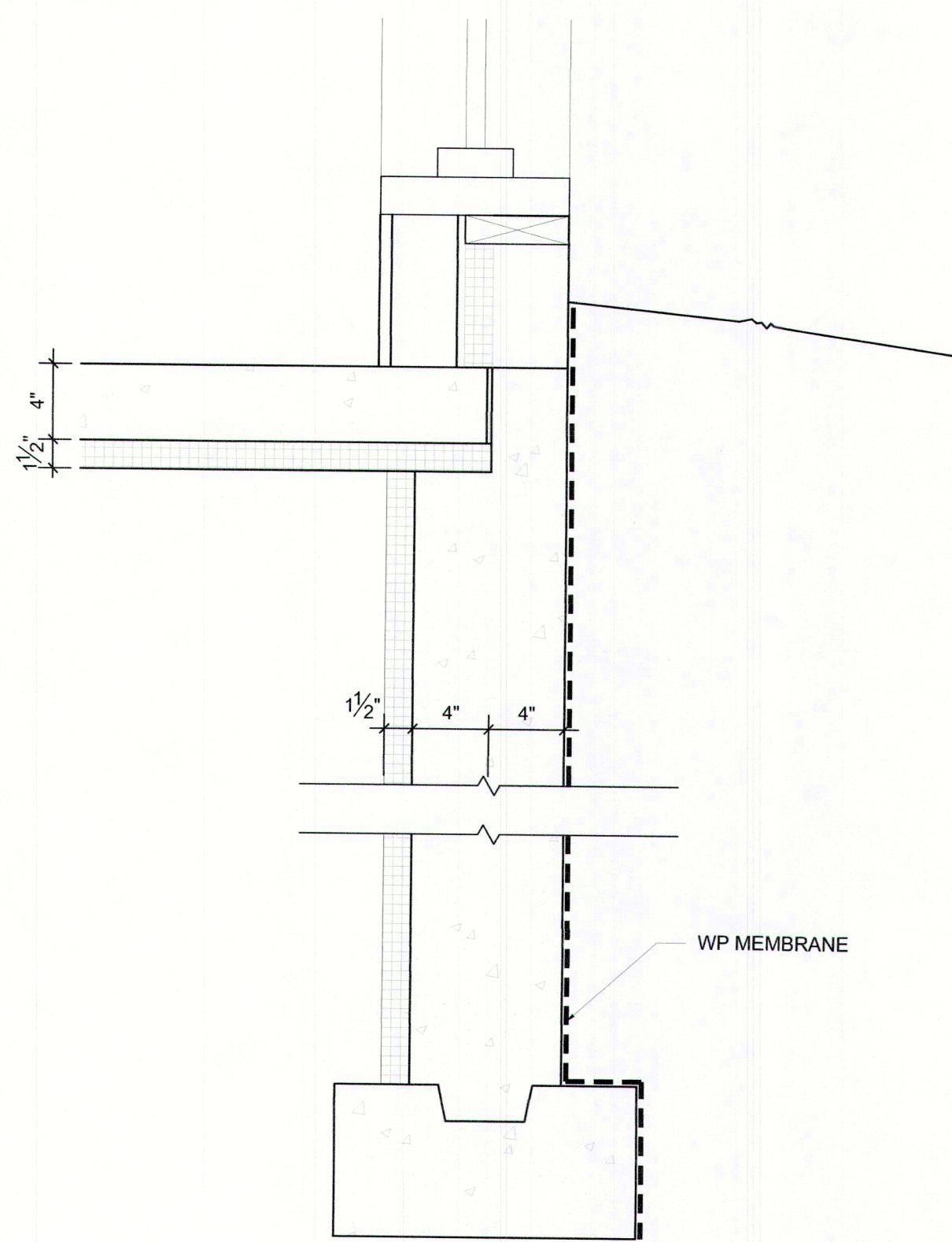
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WALL SECTIONS

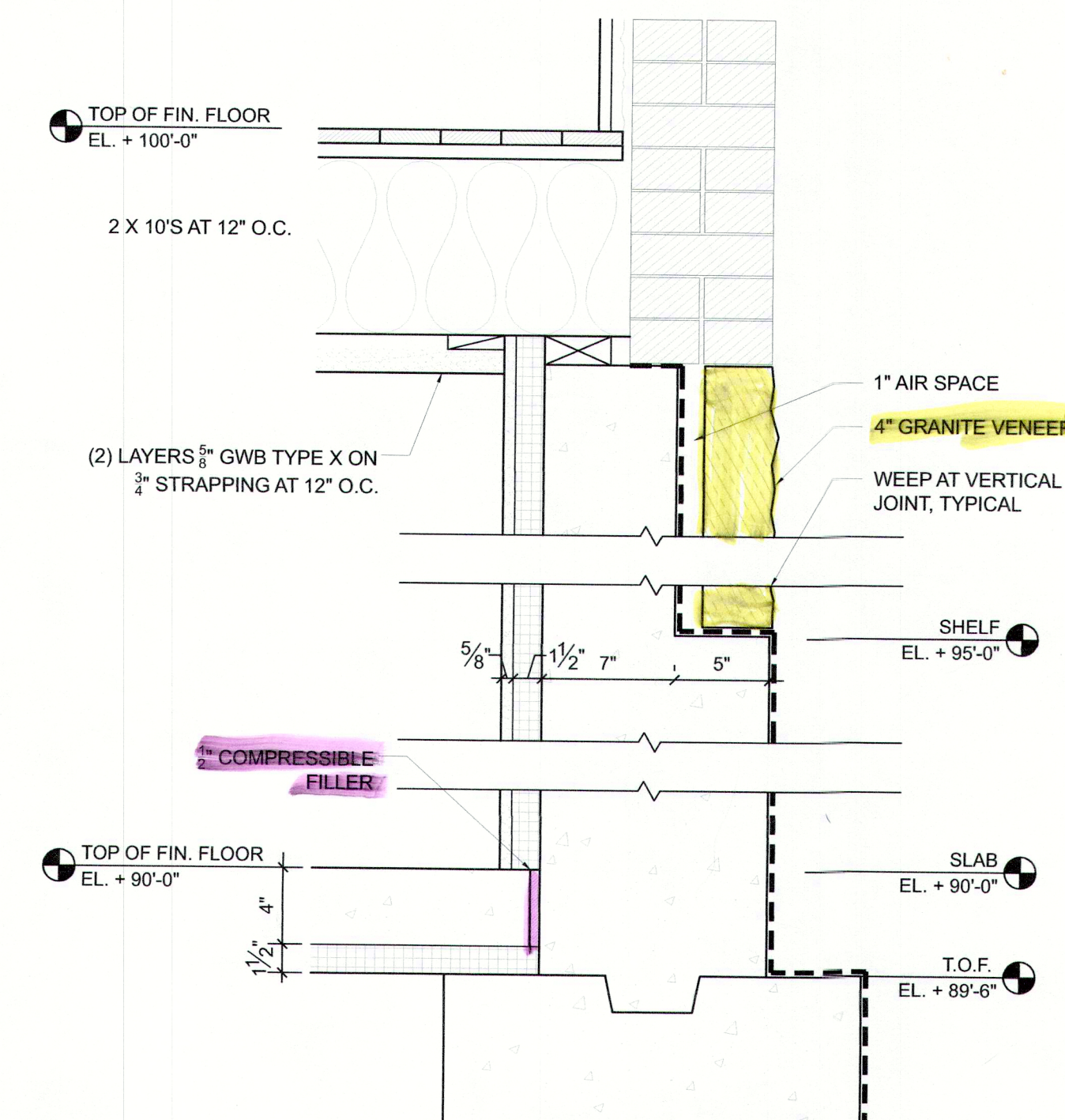
A311



B WALL SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

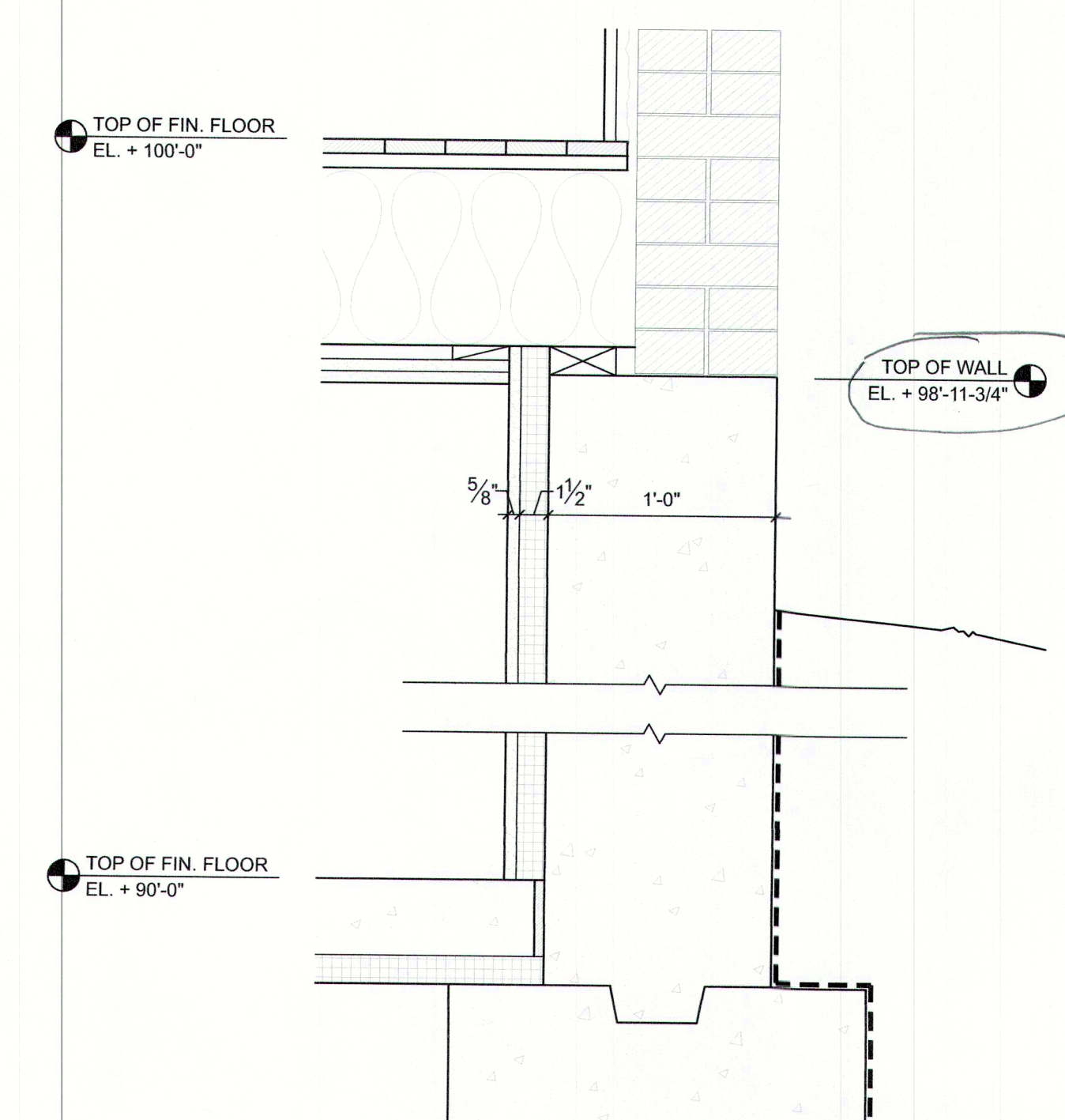


B2 WALL SECTION DETAIL
SCALE: 1-1/2" = 1'-0"



C WALL SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

See A 101
Parking Lot WALL

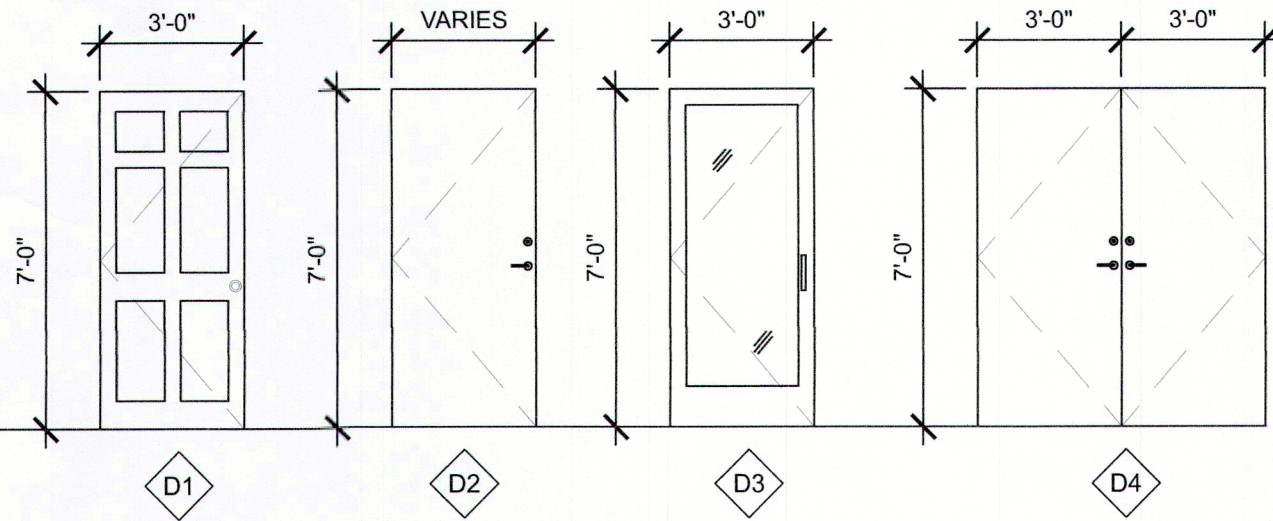


D WALL SECTION DETAIL
SCALE: 1-1/2" = 1'-0"

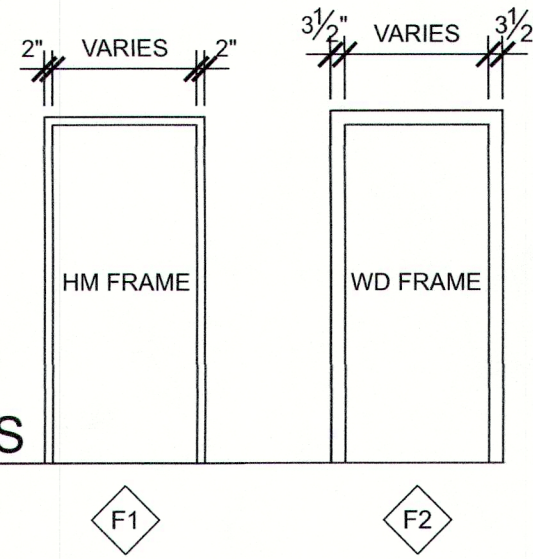
ADDITION side wall
see A 101
no wrap?

DOOR AND FRAME SCHEDULE																	
DOOR					SIZE				FRAME								NOTES
NO.	LOCATION	MANUF.	DESCRIPTION	MATL	TYPE	WIDTH	HGT	THK	MATL	TYPE	HEAD	JAMB	SILL	WIDTH	HARD SET	LABEL	
001	STORAGE - 001		FLUSH WOOD	SC	D2	3'-0"	7'-0"		HM	F1					HW3	60 MIN.	
002	MECH. ROOM - 002		FLUSH WOOD	SC	D2	3'-0"	7'-0"	0'-1 3/4"	HM	F1					HW3	60 MIN.	
003	TOILET - 003		FLUSH WOOD	SC	D2	3'-0"	7'-0"	0'-1 3/4"	HM	F1					HW5		
005	STAIR ST01		FLUSH WOOD	SC	D2	3'-0"	7'-0"	1 3/4"	HM	F1					HW4	60 MIN.	
101A	VESTIBULE - 101	EXIST.	EXISTING TO REMAIN	PTD													
101B	VESTIBULE - 101	EXIST.	EXISTING TO REMAIN	PTD													
102	VESTIBULE - 101 PAIRED	EXIST.	EXISTING TO REMAIN	PTD													
102A	EXHIBIT SPACE		SIX PANEL WOOD	WOOD	D1	3'-0"		1 3/4"	WOOD	F2					HW6		
103	CLOSET - 103		FLUSH WOOD	SC	D2	2'-4"	7'-0"	1 3/4"	HM	F1					HW6		
104	ENTRY - 104 PAIRED		INSULATED HM	HM	D4	6'-0"	7'-0"	1 3/4"	HM	F1					HW2		GALVANIZED AND FULLY GASKETED
105	STAIR - 105		FLUSH WOOD	SC	D2	3'-0"	7'-0"	0'-1 3/4"	HM	F1					HW4	60 MIN.	
105A	ENTRY STAIR - 105		FULL LIGHT	HM	D3	3'-0"	7'-0"		HM	F1					HW1		1" TEMPERED INSULATED GLAZING
105B	ENTRY STAIR - 105		FLUSH WOOD	HM	D2	3'-0"	7'-0"		HM	F1					HW3	60 MIN	

1 DOOR TYPES
SCALE: 1/4" = 1'-0"

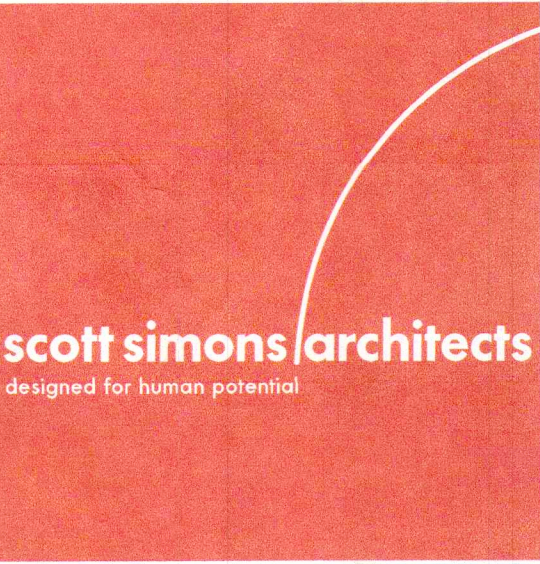
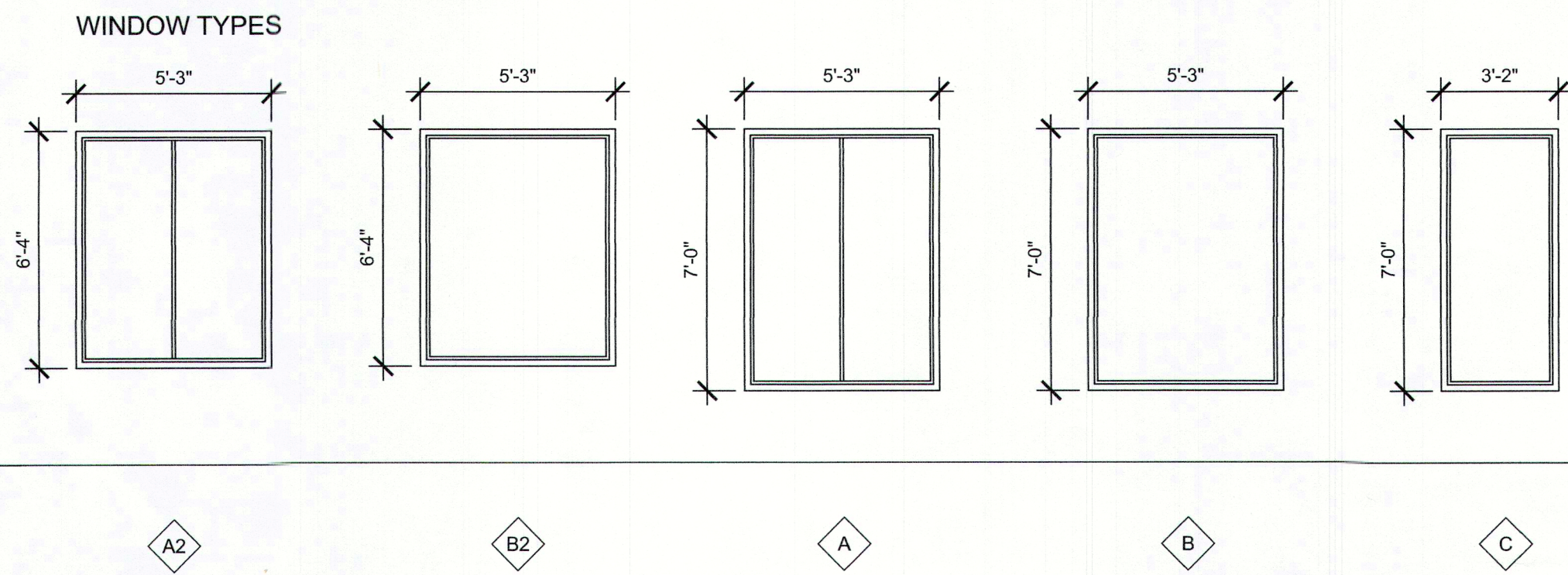


2 FRAME TYPES
SCALE: 1/4" = 1'-0"



EXTERIOR WINDOW SCHEDULE														
WINDOW				SIZE			MATERIAL			FRAME DETAILS			SCREEN	NOTES
KEY	MANUF./ MODEL NUMBER	TYPE	FRAME	ROUGH OPENING	DEPTH	INTERIOR	EXTERIOR	GLAZING TYPE		HEAD	JAMB	SILL		
A		FIXED PICTURE	5'-3" x 7'-0"											1" TEMPERED, SDL
B		FIXED PICTURE	5'-3" x 7'-0"											1" TEMPERED
C		FIXED PICTURE	3'-4" x 7'-0"							14'-4"		7'-4"		1" TEMPERED
D	EXISTING		3'-2" x 5'-3"							10'-10"		3'-8"		
E	EXISTING		3'-2" x 7'-0"							12'-7"		3'-8"		

3 WINDOW TYPES
SCALE: 1/4" = 1'-0"



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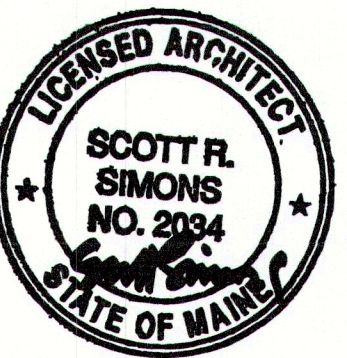
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DOOR & WINDOW
SCHEDULE

A601

Relocated Building
Historical Society Building
Main St. Cumberland, ME

DESIGN LOADS: International Building Code, IBC 2015 Edition, except as noted
Occupancy Category, Table 1604.5

Roofs:	II	Standard
Ground Snow, Pg		50 psf (used for drifting calculations)
Flat Roof Snow, Pf		46 psf
Snow Exposure Factor, Ce	Table 1608.3.1	1.1
Snow importance Factor, Is	Table 1604.5	1.0
Snow Thermal Factor, Ct	Table 1608.3.2	1.1

Floors:		
Corridors & Public Spaces		100 psf
Commercial 1 st floor		100 psf

Lateral:		
Wind IBC 1603.1.4, ASCE 7-10		Analytic Method
3 Second Gust Velocity		121 mph
Importance Factor		1.0
Internal Pressure Coefficient		GCp=0.18
IBC 1609.2, ASCE Figure 6-5		Enclosed
Exposure		C
Components and Cladding Pressures		DP 40psf uno. Also see arch.

FOUNDATION DESIGN:

Foundations are designed without an engineer's soil investigation. Foundation design criteria was assumed for purpose of foundation design and shall be confirmed by a soils engineer, at owner's expense, prior to construction. (This procedure may require revisions to foundation design, at additional expense to the owner, if soils engineer determines that such design criteria are inappropriate for this building site.)

--Footings--

Design of footings is based on a maximum allowable bearing pressure of 1,500 psf
Bear on the natural undisturbed soil, or compacted structural fill tested and approved by a soils engineer, below frost depth.

REINFORCED CONCRETE:

We encourage the use of blast furnace slag.
Design is based on "Building Code Requirements for Reinforced Concrete"(ACI 318). Concrete work shall conform to "Standard Specifications for Structural Concrete" (ACI 3019).

Structural concrete shall have the following properties:

Intended Use	F _c , psi 28day	Max W/C Ratio	Maximum Aggregate	Slump inches	Entrained Air Percent ±1.5%	Cement Type	Admixtures, Comments
footings	3,500	.6	¾" Stone	4	---	I/II	
walls	4,000	.45	¾" Stone	4	6%	I/II	
exterior slab on grade	4,500	.45	¾" Stone	4	6%	I/II	Fibermesh
interior slabs on grade	3,500	.5	¾" Stone	4	---	I/II	Fibermesh

Detailing, fabrication, and placement of reinforcing steel shall be in accordance with the Manual of Standard Practice for Detailing Reinforced Concrete Structures (ACI 315).

Welded wire fabric shall conform to ASTM A185.

Reinforcing bars shall conform to ASTM A615,

Grade 60,

except ties or bars shown to be field-bent, which shall be Grade 40.

Epoxy coated reinforcing bars shall conform to ASTM 775.

Zinc coated (galvanized) reinforcing bars shall conform to ASTM 767.

Bars to be welded shall conform to ASTM 706.

At splices, lap bars 50 diameters unless noted otherwise.

At corners and intersections, make horizontal bars continuous or provide matching corner bars.

Around openings in walls and slabs, provide 2-#5, extending 2'-0" beyond edge of opening.

In continuous members, splice top bars at mid-span and splice bottom bars over supports.

Provide intermittent shear keys at all construction joints and elsewhere as shown on the drawings.

Except as noted on the drawings, concrete protection for reinforcement in cast-in-place concrete shall be as follows:

- Cast against and permanently exposed to earth 3"
- Exposed to earth or weather:
#6 through #18 bars 2"
#5 bar, W31 or D31 wire, and smaller 1-1/2"
- Not exposed to weather or in contact with ground:
Slabs, walls, joists: #11 bar and smaller 3/4"
Beams, columns:
Primary reinforcement 1-1/2"
Stirrups, ties, spirals 1-1/2"

Fibermesh admixture shall be 100% virgin polypropylene, fibrillated fibers as manufactured by Fibermesh Co. per ASTM C-1116 type III 4.1.3 and ASTM C-1116 performance level one, 1.5 lbs per cubic yard of concrete.

Anchor bolts and rods for beam and column-bearing plates shall be placed with setting templates.

Permanent corrugated steel forms for concrete floor slabs shall be manufactured and erected according to the "Specifications and Code of Standard Practice" of the Steel Deck Institute.

All concrete work is subject to inspection by a qualified special inspector employed by the owner in accordance with IBC Section 1704.4.

STRUCTURAL STEEL:

Structural steel shall be detailed, fabricated, and erected in accordance with latest AISC Specifications, and Code of Standard Practice. Structural steel wide flange beams shall conform to ASTM A992. HSS shall conform to ASTM A500 Gr. B. Plate, angles, channels, and misc. metals shall conform to ASTM A36.

Except as noted, framed beam connections shall be bearing-type with 3/4" diameter, snug tight, A325-N bolts, detailed in conformance with Part 4, Tables II and III, for 0.6 times the allowable uniform loads tabulated in Part 2 of the AISC Manual, 14th Edition. Install bolts in accordance with AISC "Specification for Structural Joints Using ASTM A325 or A490 Bolts". See plans and sections for specific connection design loading criteria.

All beams shall have full depth fitted web stiffener plates each side of webs where columns are either above, below, or above and below.

Anchor rods shall conform to ASTM F1554, Grade 36), with weldability supplement S1.

Headed anchor studs (HAS) shall be attached to structural steel with equipment approved by the stud manufacturer according to the stud manufacturer's recommendations.

Welding shall be done by a certified welder in accordance with AISC and AWS specifications and recommendations using E70-electrodes. Where not specifically noted, minimum weld shall be 3/16" fillet by length of contact edge.

All post-installed anchors shall have current ESR reports, and shall be installed in accordance with the manufacturer's requirements.

Submit all proposed alternates to those specified for review prior to fabrication.

Expansion anchors shall be approved "wedge" type unless specifically noted to be "sleeve" type.

Chemical anchors shall be approved epoxy or similar adhesive type and shall have current ESR report. Where base material is not solid, approved screen tubes shall be used.

Grout beneath column base and beam-bearing plates shall be minimum 28-day compressive strength of 7,500 psi, approved pre-bagged, non-metallic, non-gaseous, bleed free, non-shrink, when tested in accordance with ASTM C1107 Grade B or C at a flow cone fluid consistency of 20 to 30 seconds

FIELD VERIFICATION OF EXISTING CONDITIONS:

Contractor shall thoroughly inspect and survey existing structure to verify conditions that affect the work shown on the drawings.

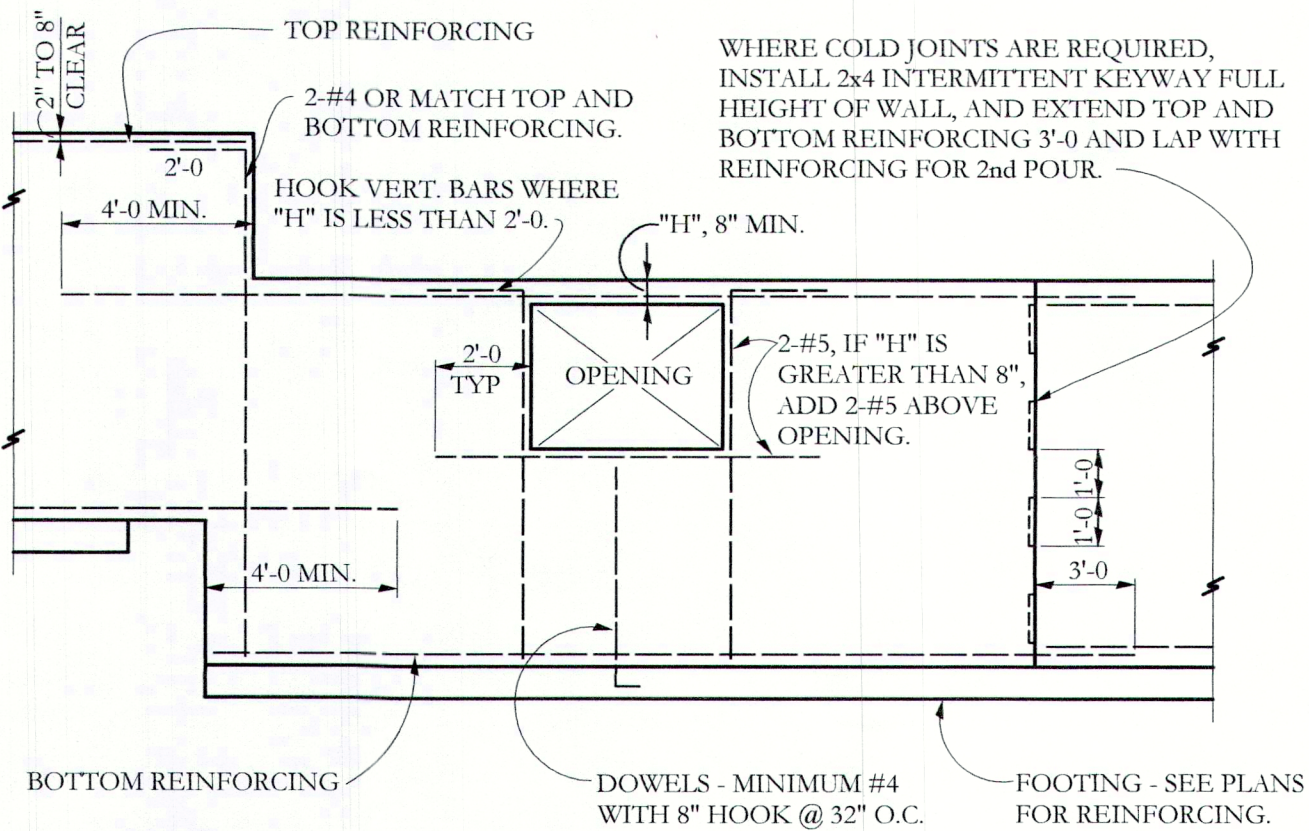
Contractor shall report any variations or discrepancies to the Architect before proceeding.

ABBREVIATIONS KEY

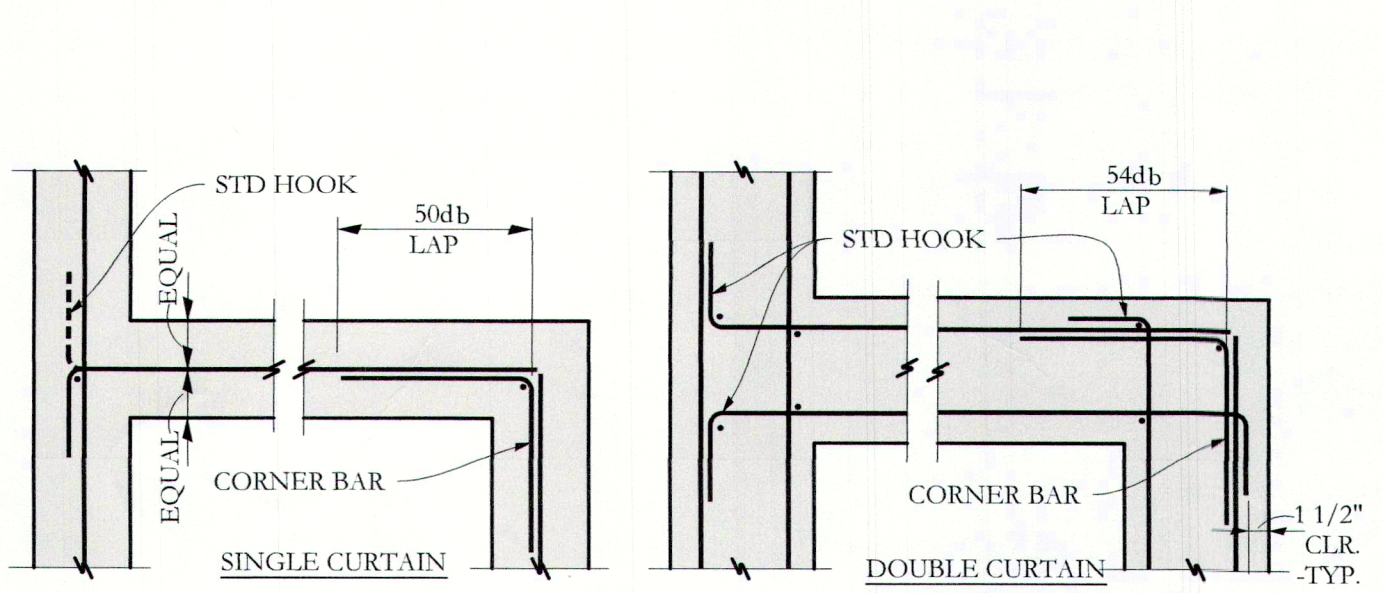
AB	Anchor Rod (Bolt)	EF	Each Face	MACH	Machine	SC	Slip Critical
ADDL	Additional	EJ	Expansion Joint	MASY	Masonry	SCH	Schedule
ADJ	Adjustable	ELEV	Elevation	MATL	Material	SDST	Self Drilling Self Tapping
AFF	Above Finished Floor	ELEC	Electric (Electrical)	MAX	Maximum	SECT	Section
ALT	Alternate	ENGR	Engineer	MB	Machine bolt	SF	Square Feet
AMT	Amount	EQ	Equal	MECH	Mechanical	SFT	Sheet
ANCH	Anchor, Anchorage	EQUIP	Equipment	MEZZ	Mezzanine	SHTG	Sheathing
APPROX	Approximate	EQUIV	Equivalent	MFR	Manufacture, -er, -ed	SIM	Similar
ARCH	Architect, -ural	ES	Each Side	MIN	Minimum	SLH	Short Leg Horizontal
ATR	All Thread Rod	EST	Estimate	ML	Microllam (Trus-joist brand LVL)	SLV	Short Leg Vertical
AVG	Average	E-W	East to West	MO	Masonry Opening	SOG	Slab on Grade
BC	Bottom of Concrete	EXC	Excavate	MTL	Masonry Opening	SP	Spaces
BL	Brick Ledge	EXP	Expansion	NF	Near Face	SPEC	Specifications
BLK	Block	EXT	Exterior	NIC	Not In Contract	SQ	Square
BLKG	Blocking	FND	Foundation	NS	Near Side	ST	Snug Tight
BM	Beam	FF	Far Face, Finished Floor	NTS	North to South	STD	Standard
BOT	Bottom	F-F	Face to Face	OF	Outside Face	STIFF	Stiffener
BRG	Bearing	FIG	Figure	OD	Outside Diameter	STL	Steel
BW	Bottom of Wall	FL	Flush	OPNG	Opening	STRUCT	Structure, -al
CB	Counterbore	FLG	Flange	OPP	Opposite	SUPT	Support
CF	Cubic Foot	FLR	Floor	OSB	Oriented Strand Board	SY	Square Yard
CG	Center of Gravity	FO	Face of	PAF	Powder Actuated Fastener	SYM	Symmetrical
CIP	Cast in Place	FP	Full Penetration	PC	Precast	T&B	Top and Bottom
CJ	Construction Joint (Control Joint)	FS	Far Side	PCF	Pounds Per Cubic Foot	T&G	Tongue and Groove
CLG	Ceiling	FTG	Footing	GEN	General	TB	Top of Beam
CLR	Clear	GA	Gage (Gauge)	GL	Glue laminated (Glulam)	TC	Top of Concrete
CM	Construction Manager (Management)	GALV	Galvanized	PERP	Perpendicular	TD	Top of Deck
CMU	Concrete Masonry Unit	GC	General Contractor	PEN	Penetration	THD	Thread
COL	Column	GND	Ground	PERP	Perpendicular	THK	Thick, -ness
COM	Common	GR	Grade	PL	Property Line	TJ	Top of Joist
COMB	Combination	GR	Grade	PLF	Pounds per Linear Foot	TL	Total Load
CONC	Concrete	GT	Girder Truss	PNL	Panel	TPG	Topping
CONN	Connection	GYP BD	Gypsum Board	PP	Panel Point	TRANS	Transverse
CONT	Continue (Continuous)	HAS	Headed Anchor Stud	PS	Prestressed	TW	Top of Wall
COORD	Coordinate, -ion	HORIZ	Horizontal	PSI	Pounds per Square Inch	TYP	Typical
CS	Countersink	HT	Height	PSL	Parallel Strand Lumber (generic term)	ULT	Ultimate
CTR	Center	ID	Inside Diameter	PT (1)	Post Tensioned	UNO	Unless Noted Otherwise
CY	Cubic Yard	IF	Inside Face	PT (2)	Pressure Treated	VERT	Vertical
DAB	Deformed Anchor Bar	INT	Interior (Intermediate)	PIN	Partition	VIF	Verify in Field
DET	Detail	JB	Joist Bearing	PWD	Plywood	VWA	Verify With Architect
DEV	Develop	JST	Joist	QTY	Quantity	WA	Wedge Anchor
DIAG	Diagonal	JT	Joint	R	Radius	WP	Work Point
DIM	Dimension	K	Kip (1,000 lbs.)	RE	Reference (refer to)	WT	Weight
DL	Dead Load	LD	Load	RECT	Rectangle	WWF	Welded Wire Fabric
DN	Down	LL	Live Load	REINF	Reinforce, -ed, -ing	XS	Extra Strong
DP	Drilled Pier	LLH	Long Leg Horizontal	REQ	Required	XSECT	Cross-section
DT	Double Tee	LLV	Long Leg Vertical	REQMT	Requirement	XXS	Double Extra Strong
DWL	Dowel	LOC	Location	RET	Retaining	(E)	Existing
EA	Each	LSL	Laminated Strand Lumber (generic term)	RM	Room	(N)	New
ECC	Eccentric	LVL	Laminated Veneer Lumber (generic term)	RMO	Rough Masonry Opening	(R)	Remove
E-E	End to End			RO	Rough Opening		

Structural Drawing Index

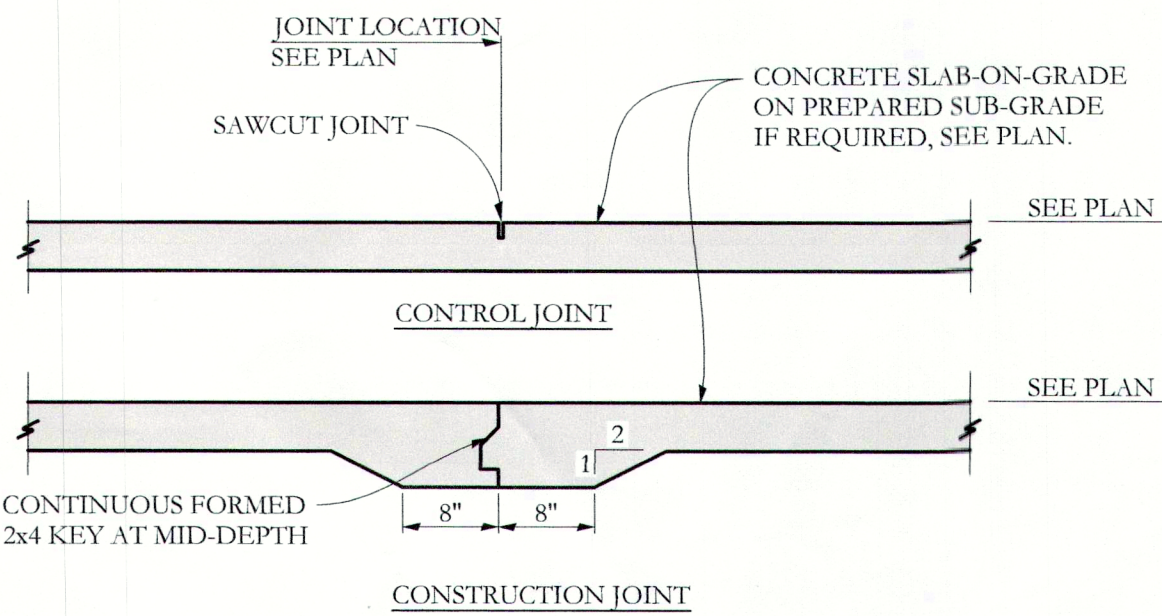
S1.0	General Notes, Etc.
S1.1	Foundation Plan & First Floor Framing
S1.2	Roof Framing and Demo Plan
S2.1	Details



TYPICAL REINFORCING AT STEPS AND OPENINGS
NO SCALE



TYPICAL CONCRETE WALL INTERSECTIONS
NO SCALE

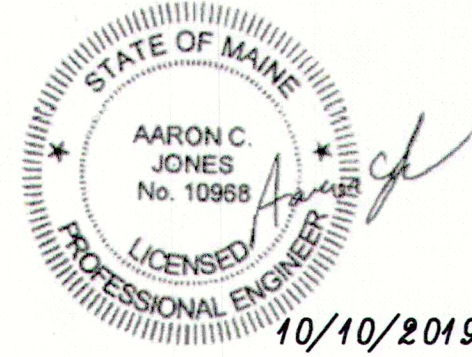


TYPICAL JOINTS AT INTERIOR SLAB-ON-GRADE
NO SCALE

PERMIT SET

scott simons architects
designed for human potential

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GENERAL NOTES

S1.0