

TUCKER FREE LIBRARY

RENOVATION PROJECT

HENNIKER, NEW HAMPSHIRE

BUDGET SET NOT FOR CONSTRUCTION

JANUARY 17, 2020



PROJECT TEAM:

ARCHITECT:



STRUCTURAL ENGINEER:

MECHANICAL/ELECTRICAL ENGINEER:

SITE/CIVIL ENGINEER:

CONSTRUCTION MANAGER:

DRAWING LIST:

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Sheerr McCrystal Palson Architecture, Inc.
THE CARRIAGE HOUSE
30 South Main St. Building Two
Concord, NH 03301
603.228.8880 , Fax 603.228.8881

TF Moran Inc.
48 Constitution Drive
Bedford, NH 03110
Phone # 603.472.4488

WV Engineering Associates PA
11 King Court
Keene, NH 03431
Phone # 603.352.7007, Fax # 603.352.7005

Northpoint Engineering, LLC
119 Storrs St. Suite 201
Concord, NH 03301
Phone# 603.226.1166, Fax# 603.226.1160

Milestone Engineering & Construction, Inc.
1 Horseshoe Pond Lane/PO Box 2279
Concord, NH 03302-2279
Phone# 603.226.3877, Fax# 603.226.3361

DATE: JANUARY 17, 2020

ISSUED: BUDGET SET

PROJECT: TUCKER FREE LIBRARY

ABBREVIATIONS

2x = 2" NOMINAL THICK LUMBER
AB = ANCHOR BOLT
AFF = ABOVE FINISH FLOOR
ALT. = ALTERNATE
ALUM. = ALUMINUM
APPROX. = APPROXIMATE
ARCH. = ARCHITECTURAL
B/, B/O = BOTTOM OF ...
BCX = BOTTOM CHORD EXTENSION
BJ = BAR JOIST
BLDG. = BUILDING
BM. = BEAM
BOT. = BOTTOM
BP = BASE PLATE
BRG. = BEARING
BRP = BEARING PLATE
BS = BRICK SHELF
BTW = BETWEEN
CANT. = CANTILEVER
CFS = COLD FORMED STEEL
CIP = CAST IN PLACE
CJ = CONTROL JOINT
CL. = CENTERLINE
CLR. = CLEAR
CMU = CONCRETE MASONRY UNIT
COL. = COLUMN
CONC. = CONCRETE
CONST. = CONSTRUCTION
CONT. = CONTINUOUS
COORD. = COORDINATE
CTR. = CENTER
DBL = DOUBLE
Ø / DIA. = DIAMETER
DIM. = DIMENSION
DIST. = DISTANCE
DJ = DOUBLE JOIST
DK = DECK
DN. = DOWN
DWGS. = DRAWINGS
EA. = EACH
EF = EACH FACE
EIBC = EXISTING INTERNATIONAL BLDG. CODE
EL. = ELEVATION
ELEC. = ELECTRICAL
ELEV. = ELEVATOR
EMBED. = EMBEDMENT
ENG = ENGINEER
EOD = EDGE OF DECK
EOR = ENGINEER OF RECORD
EOS = EDGE OF SLAB
EQ. = EQUAL
ERV = ENERGY RECOVERY UNIT
EW = EACH WAY
E. / EX. / EXIST. = EXISTING
EXP. = EXPANSION
EXT. = EXTERIOR
FFE = FINISHED FLOOR ELEVATION
FIN. = FINISHED
FLR. = FLOOR
FNDN. = FOUNDATION
FT. = FEET
FTG. = FOOTING
GA. = GAUGE
GALV. = GALVANIZED
GC = GENERAL CONTRACTOR
GEOTECH. = GEOTECHNICAL
HDG = HOT DIPPED GALVANIZED
HORIZ. = HORIZONTAL
HSS = HOLLOW STRUCTURAL SECTION
IBC = INTERNATIONAL BLDG. CODE
IF = INSIDE FACE
IN. = INCH
INT. = INTERIOR
JNT. = JOINT
JP = JOIST BEARING PLATE
JST. = JOIST
K = KIP
LB = POUND
LGM = LIGHT GAUGE METAL
LLH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL
LONG. = LONGITUDINAL
L.P. = LOW POINT
LP = LEVELING PLATE
LSL = LAMINATED STRAND LUMBER
LVL = LAMINATED VENEER LUMBER
MANUF. = MANUFACTURER
MAX. = MAXIMUM
MECH. = MECHANICAL
MEP = MECHANICAL, ELECTRICAL, PLUMBING
MIN. = MINIMUM
ML = MASONRY LINTEL
MO = MASONRY OPENING
MPH = MILES PER HOUR
MAS. / MSNRY. = MASONRY
MTL. = METAL
NIC = NOT IN CONTRACT/SCOPE
/ No. = NUMBER
NTS = NOT TO SCALE
OC / o.c. = ON CENTER
OF = OUTSIDE FACE
OPNG. = OPENING
OSB = ORIENTED STRAND BOARD
PAF = POWDER ACTUATED FASTENER
PC = PRECAST
PE = PROFESSIONAL ENGINEER
PEMB = PRE-ENGINEERED METAL BLDG.
PL. = PLATE
PLF = POUNDS PER LINEAR FOOT
PRE-ENG. = PRE-ENGINEERED
PSF = POUNDS PER SQUARE FOOT
PSI = POUNDS PER SQUARE INCH
PSL = PARALLEL STRAND LUMBER
PT = PRESSURE TREATED
PWD. = PLYWOOD

ABBREVIATIONS (cont'd)

RAD. = RADIUS
REC. = RECOMMENDATION
REINF. = REINFORCING / REINFORCE(D)
REQD. = REQUIRED
REV. = REVISION
RF = ROOF
RO = ROUGH OPENING
RTU = ROOF TOP UNIT
SCHD. = SCHEDULE
SE = STRUCTURAL ENGINEER
SF = SQUARE FEET
SIM. = SIMILAR
SPEC. = SPECIFICATION
STD. = STANDARD
STIFF. = STIFFENER / STIFFEN(ED)
STL. = STEEL
STRUCT. = STRUCTURAL
TBD = TO BE DETERMINED
T/, T/O = TOP OF ...
TCX = TOP CHORD EXTENSION
THK. = THICK
TJ = TIE JOIST
T/O BS, TOBS = TOP OF BRICK SHELF
T/O STL, TOS = TOP OF STEEL
T/O WALL, TOW = TOP OF WALL
TRANS. = TRANSVERSE
TYP. = TYPICAL
U/S = UNDERSIDE
UNO = UNLESS NOTED OTHERWISE
VB / VR = VAPOR BARRIER / RETARDER
VERT. = VERTICAL
VIF = VERIFY IN FIELD
WI = WITH
W/O = WITHOUT
WD. = WOOD
WL. = WALL
WK PT. = WORK POINT
WS. = WATERSTOP
WWF / WWM = WELDED WIRE FABRIC / MESH

GENERAL:

- 1. Structural drawings shall be used in conjunction with the architectural, mechanical, electrical and shop drawings, and specifications.
2. Unless otherwise noted, sections, details, notes, materials, and methods shown on any drawings are to be considered typical for all similar conditions.
3. In the event of a conflict between plans, specifications, and details, the Structural Engineer shall be notified immediately for clarification.
4. Due to minimal selective demolition, the existing framing conditions are not fully defined and will require field verification.
5. All dimensions, elevations, and conditions must be verified in the field by the Contractor.
6. The structure has been designed to be self-supporting and stable after the work shown on these drawings has been completed.
7. The Contractor shall provide and maintain shoring and bracing supports as required to preserve stability and prevent movement, settlement, or collapse of adjacent construction to remain.
8. All shoring and bracing shall be designed and certified by a professional engineer licensed in the jurisdiction of the project.
9. A complete concrete placement schedule shall be submitted to the Structural Engineer and a stamped acceptance received before any concrete placement can be made.
10. Shop drawings shall be submitted to the Structural Engineer (see each section for specific items and requirements).
11. Items noted on drawings as "by others" or "designated for design by others" indicates design and supply of structural items not by TFM.
12. Deferred submittals shall be submitted to the Structural Engineer for steel connection design (stamped), steel stair design (stamped), and CFSF curtain wall design (stamped).
13. These plans were prepared under the supervision of a licensed professional engineer.
14. TFMoran Inc. assumes no liability for work performed without an acceptable program of testing and inspection as approved by the Engineer of Record.
15. Reproduction of structural drawings for shop drawings is not permitted.
16. All work shall comply with the building codes referenced on these drawings.
17. Do not scale drawings. Contact the Architect or Structural Engineer for dimensions not specifically shown.

CODE:

- 1. [2015 International Building Code as amended, altered, or deleted by the provisions of the New Hampshire State Building Code.]

DESIGN LOADS:

- 1. MINIMUM UNIFORM LIVE LOADS AND MINIMUM CONCENTRATED LIVE LOADS: OCCUPANCY or USE UNIFORM CONCENTRATED
Library: Corridors above first floor: 80 psf 1000 lb. Reading rooms: 80 psf 1000 lb. Stack rooms: 150 psf 1000 lb.
Office Buildings: Lobbies and first floor corridors: 100 psf 2000 lb. Offices: 50 psf 2000 lb.
Partitions: 15 psf (for Live Loads < 80 psf)
Stairs and Exits: 100 psf 300 lb. on tread
[Live load has been reduced on girders, columns, and footings in accordance with the building code.]
2. CONCENTRATED FLOOR LOADS: If listed above, the concentrated load shall be used to determine the greatest load effect.
3. ROOF SNOW LOAD: Risk Category: II Ground Snow Load, Pg: 80 psf [at 1000 ft] Allowed Reduction per ERDC/CRREL TR-02-6: 0.01*(1000-450)*2.1+11.55 psf Ground Snow Load per ERDC/CRREL TR-02-6: 68.45 psf at 450 ft) Snow Load Importance Factor, Is: 1.0 Snow Exposure Factor, Ce: 1.0 Thermal Factor, Ct: 1.10 Flat Roof Snow Load, Pf: psf Drifting, sliding, and unbalanced snow loads: Per ASCE-7 33.9 psf [or] [See plan(s) / diagram] Drift Surcharge Load(s), Pd: 5.82 ft [or] [See plan(s) / diagram] Rain loads: Per ASCE-7 Roof live load: 20 psf MIN
4. DEAD LOAD: Roof dead load: 20 psf Truss Top Chord / Bottom Chord: 10 psf (each) Solar Array Allowance: 5 psf Roof Garden: 100 psf Supported / Elevated Floor dead load: Design of floor framing members: 50 psf Gypcrete: 10 psf / inch
5. WIND DESIGN DATA: Wind loads have been determined using ASCE-7 [Method 1 Simplified Procedure] [Method 2 Analytical Procedure] [Envelope Procedure - Simplified] [Envelope Procedure - Analytical] [Directional Procedure - Simplified] [Directional Procedure - Analytical] Risk Category: II Ultimate Wind Speed (3 second gust), Vult: 115 mph Wind Exposure Category: B Internal Pressure Coefficient: 0.18 Components and Cladding Design Wind Pressure: Zone Per ASCE-7 MAX Positive (20 psf) MAX Negative (20 psf)
6. EARTHQUAKE DESIGN DATA: Risk Category: II Seismic Importance Factor, Ie: 1.0 0.2s Mapped Spectral Response Acceleration, Sa: 0.259g 1.0s Mapped Spectral Response Acceleration, S1: 0.082g 0.2s Spectral Response Coefficient, Sds: 0.275g 1.0s Spectral Response Coefficient, Sd1: 0.131g Site Class: D Seismic Design Category: B Basic Seismic-Force-Resisting System: Structural steel systems not specifically designed for seismic resistance. Equivalent Lateral Force 3 Response Modification Factor, R: 3 Seismic Response Coefficient, Cs: 0.092 Deflection Amplification Factor, Cd: 3 Design Base Shear, V: 0.092W kips
Earthquake Design for Existing Buildings: Not required since the proposed additions/alterations do not increase the force in any structural element by more than 5 percent nor do they decrease the strength of any structural element to less than required by the building code for new structures.
7. Other Loads: Elevator Hoist Beam: 6000 lbs

PLAN SYMBOL LEGEND table with 13 rows and 2 columns: Symbol, Description. Includes symbols for slab over-pour, stepped footing, control joint, step in slab, concrete masonry unit, floor/roof deck span direction, downward slope, overbuild truss framing, steel moment frame, and braced frame elevation.

FOUNDATIONS:

- 1. Foundations have been designed to consist of continuous and spread footings bearing on inorganic, undisturbed natural soil or compacted structural fill having an assumed allowable bearing pressure of 3000 pounds per square foot.
2. Subgrade exploration has not been performed, the Structural Engineer makes no representations concerning the suitability of any soil or ledge material, nor the absence of deleterious materials, either naturally occurring or formerly buried.
3. Structural fill shall be granular material meeting the following gradation requirements: SIEVE SIZE, % PASSING BY WEIGHT, SIEVE SIZE, % PASSING BY WEIGHT
4. Unless otherwise noted, foundations shall be centered under supported members.
5. The bottom of perimeter and exterior foundations not on solid rock shall be at least [4'-0"] below finished grade.
6. Keep foundation excavations free of water at all times.
7. Bottom of excavations shall be reviewed by the Structural or Geotechnical Engineer prior to the placement of concrete.
8. Provide formwork for all footings, walls, and piers.
9. Place backfill simultaneously on both sides of foundation walls to the grades indicated.
10. Provide 3/4" maximum aggregate within 12" of slabs on grade.
11. The bottom three (3) inches of footing excavations shall be finished with smooth-edged bucket or by hand shovel.
12. Use lean concrete (fc = 1,500 psi) or structural fill for over-excavation of footings.
13. Refer to site, plumbing, mechanical, and electrical drawings for location of pipes and underdrain conduit.
14. The G.C. shall identify all below grade utilities prior to commencing excavation activities.
15. Submittals to the Structural Engineer and Geotechnical Engineer are required for structural fill material, signed and sealed by the professional engineer, registered in the state of the project's construction, responsible for their preparation.

CONCRETE:

- 1. All concrete work shall conform to the requirements of ACI 301 "Specifications for Structural Concrete" and ACI 318 "Building Code Requirements for Structural Concrete".
2. Concrete shall be a mix designed for ultimate strength in accordance with ACI 211.1 to achieve the following minimum 28-day compressive strengths: [Foundation Footings, Walls, Columns, Piers, Grade Beams, and Pile Caps: 3,000 psi, Normal Weight. Max Slump (without plant added water reducer) = 4" +/- 1" Max Slump (with plant added water reducer) = 4" to 6" Max W/C Ratio = 0.55 Air Entrainment = 6% +/- 1%] [Retaining Walls (Including Footings): 3,000 psi, Normal Weight. Max Slump (without plant added water reducer) = 4" +/- 1" Max Slump (with plant added water reducer) = 4" to 6" Max W/C Ratio = 0.50 Air Entrainment = 6% +/- 1%] [Interior Slabs on Grade and Housekeeping Pads: 3,500 psi, Normal Weight. Max Slump (without plant added water reducer) = 4" Max Slump (with plant added water reducer) = 4" to 6" Max W/C Ratio = 0.50 Do not use air entrainment admixture] [Exterior Site Structures, Outdoor Stairs, and Slabs: 4,000 psi, Normal Weight. Max Slump (without plant added water reducer) = 3" Max Slump (with plant added water reducer) = 4" to 6" Max W/C Ratio = 0.45 Air Entrainment = 6% +/- 1%]
3. Concrete shall conform to the following: Cement: Portland cement type I/II ASTM C150 Fly Ash: ASTM C618 Class C 20% to 35% or Class F 15% to 25% Ground granulated blast-furnace slag: ASTM C989 50% maximum Course aggregate: [ASTM C33 3/4" (Size No.67) for normal weight or ASTM C330 3/4" (Size No.67) for light weight] Fine aggregate: [ASTM C33 3/8" (Size No.8) for normal weight or ASTM C330 3/8" (Size No.8) for light weight]
4. Concrete shall be placed under the supervision of an American Concrete Institute (ACI) qualified testing agency.
5. Concrete shall not be cast in water or on frozen ground.
6. Mechanically vibrate and consolidate freshly cast concrete around reinforcing bars and against form surfaced to prevent the formation of air or stone pockets, honeycombing, pitting, or planes of weakness. Do not over vibrate such that aggregate separation occurs.

TABLE OF CONTENTS table with 2 columns: NAME, #. Lists various drawing sections such as GENERAL STRUCTURAL NOTES, FOUNDATION AND E-ROOM FLOOR FRAMING PLANS, ROOF FRAMING PLANS, TYPICAL FOUNDATION DETAILS, etc.

NOTE: IT IS THE GC'S, CM'S AND SUB-CONTRACTORS RESPONSIBILITY TO REVIEW ALL DRAWINGS & SPECS. FOR COORDINATION PURPOSES AND TO ENSURE THAT ALL SCOPE OF WORK IS INCLUDED

BUDGET SET NOT FOR CONSTRUCTION DATE: 11/17/2020

Town of Henniker, New Hampshire Tucker Free Library Addition 31 Western Ave. Henniker, NH 03242 GENERAL STRUCTURAL NOTES

Job No. 18160 Scale Drawn By LPC3 / JW Rev'd By PES Date xx/xx/xx Revised

FOR BUDGET ONLY

S001

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PHONE: 603-228-8800 FAX: 603-228-8801 WWW.SMPARCH.COM



48 Constitution Drive Bedford, NH 03110 Phone #: (603) 472-4488 Fax #: (603) 472-8747 TFM Proj. #: 85806.00



PRE-ENGINEERED WOOD TRUSSES:

- All pre-engineered/prefabricated wood trusses shall conform to applicable ANSI/TPI-1 "National Design Standards for Metal Plate Connected Wood Truss Construction."
- The manufacturer of the pre-engineered trusses shall be a Truss Plate Institute (TPI) certified plant. Proof of certification shall be submitted to the Engineer prior to fabrication of the wood trusses.
- Trusses shall be designed for the following uniform loads with 5 1/2" or 3 1/2" max. bearing, coordinate truss bearing with bearing wall framing width:

Roof Trusses	
Top Chord Dead Load	12 psf (increase the load based on the roof slope in order to calculate the horizontal projection) 5 psf (solar array allowance)]
Top Chord Live Load	20 psf (min.)
Top Chord Snow Load	(see the "DESIGN LOADS" section of the general notes)
Top Chord Wind Load	(see the "DESIGN LOADS" section of the general notes)
Bottom Chord Dead Load	10 psf
Bottom Chord Live Load	10 psf min. (see the "DESIGN LOADS" section of the general notes)
Drag Loads	As indicated on plans

Note: Roof trusses shall be designed at indicated spacings for any snow drift, unbalanced snow loading, or valley snow conditions, as well as loads and diagrams shown and any wind loading as specified in the project building code (see the DESIGN LOADS / CODE section of the general notes).
- Design all trusses for the following deflection limits and coordinate for clearances over non-bearing partitions:

Roof	
Live/ Snow/ Wind Load:	L/360 or 3/4" Vertical and 3/8" Horizontal
Total Load:	L/240 or 1 1/4" Vertical and 1/2" Horizontal

Note: Isolate non-load bearing partitions from trusses to prevent the transfer of vertical loads while providing lateral support.
- Truss design is delegated for ??????. Locations of all bracing and restraint will not be known until delegated design is complete. TFM bracing details and locations are intended to show design intent and are subject to change. See notes 19, 20 and 21 for additional information.
- All locations of continuous lateral restraint (CLR) for individual truss members shall be determined by the truss design engineer and noted on the truss design and layout drawings.
- The truss manufacturer may provide trusses that include individual web members requiring field applied continuous lateral restraint (CLR). Design is subject to the following conditions:

Minimum member properties	f _b =875 psi, e=1400 ksi
Minimum web member size	- 2x4
Minimum brace (CLR) size	- 2x6
Minimum brace (CLR) size	- 2x4
Web lengths less than 6'-0"	are not permitted to receive (CLR)

No more than (1) CLR permitted per web locations shall be clearly shown on truss design drawings (TDD) Provide a "T" or "L" brace where (CLR) cannot be installed to tie a minimum of (3) consecutive truss web members together The truss design drawings (TDD) shall show "T" or "L" brace size, length, location and required fastening.

Note: Truss manufacturer may increase web member properties or provide alternate shop applied reinforcement in lieu of (CLR), "T" or "L" braces.

Alternatively, the truss designer may design all truss web members such that no permanent lateral restraint is required.
- The truss manufacturer shall design, detail and specify all hardware for all truss to truss connections necessary for the installation of the trusses.
- Provide Fire Retardant Treated (FRT) trusses as required by Architect. Provide hot-dipped galvanized fasteners and connectors at all FRT trusses.
- Provide hot-dipped galvanized fasteners and connectors at all exterior trusses.
- The contractor shall ensure proper handling, bracing, and lateral restraint is in accordance with the manufacturer's recommendations.
- The contractor shall verify the location of all vents, stacks, risers, drains, etc. before trusses are fixed in place.
- All roof trusses shall have mechanical connection (H2.5 hurricane clips), unless otherwise noted, installed at each bearing location and end of each truss. Mechanical connection of truss to bearing plate shall be capable of withstanding uplift loads shown on approved truss shop drawings. See details and approved truss shop drawings for final hurricane clip information.
- All temporary bracing design and erection procedures are the responsibility of the General Contractor / Erector.
- Temporary installation restraint/bracing and the permanent individual truss member restraint/bracing for all trusses with spans over 60' shall be designed, stamped and submitted by a licensed professional engineer qualified to perform the work in the state where the project is located.
- All floor and parallel chord trusses shall have 2x6 strong back braces spaced at 10'-0" o.c. (max.), do not use 2x4 bracing. Strong back bracing shall be attached to each truss w/ (3) 10d (0.131X3") nails and at outer ends as required.
- Pre-engineered trusses shall be approved by the Structural Engineer. All truss submittals shall be in accordance with applicable section of IBC. Truss shop drawings shall be designed, stamped and submitted by a licensed professional engineer qualified to perform the work in the state where the project is located. Submittal shall include all loading combinations, a full report for each truss, including but not limited to: pitch, span camber, configuration deflection and spacing for each type of truss required; species, sizes and stress grades of lumber; splice details; connector plate size, material, finish, design values, orientation and location; member forces, reactions, bearing requirements; temporary/permanent lateral truss restraint layouts and details.
- Shop or Erection (placement) drawings shall be submitted to the Structural Engineer showing the truss layout and spacing, fastening and anchorage details, all bracing requirements and all truss to truss connectors.
- Truss bracing indicated on truss sheets, bracing indicated on TFM drawings and other necessary bracing shall be coordinated by the supplier and shown on a layout drawing that shall be submitted to the Engineer for review and approval to verify compliance with Engineer's design intent of permanent bracing.
- Submittals to the Structural Engineer shall include Truss Design Drawings, truss layout drawings and truss bracing layout drawings, signed and sealed by the professional engineer, registered in the state of the project's construction, responsible for their preparation.

STRUCTURAL TESTS AND INSPECTIONS:

- Structural Tests, Inspections, and Reports for soils, pier foundations, concrete construction, masonry construction, steel construction and other applicable construction shall be promptly submitted in writing to the Structural Engineer and Contractor.
- Tests and Inspections shall be completed in accordance with the applicable IBC Special Inspection chapter. Refer to and coordinate with the Statement of Special Inspections/Quality Assurance Plan issued with final construction documents for the required program of special inspections for each building material/system.
- The Special Inspection Coordinator shall be a licensed Professional Engineer registered in the state the project is located in. Unless specifically stated in writing and listed on the Statement of Special Inspections, TFM is not the Special Inspector or Special Inspections Coordinator and this service shall be provided as a direct contract to the Owner as per the Building Code.
- A Final Statement of Special Inspections, stamped by the Special Inspector Coordinator, shall be provided to TFM at the completion of the project. The document shall be stamped by a professional engineer registered in the state the project is located in.
- Remove and replace work where test results indicate that it does not comply with specified requirements. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- Concrete Masonry Units (CMU), Mortar, Grout, and Prism Testing:
 - Make 3 specimens for each type of test for each 5,000 square feet of masonry wall.
 - Test each mortar type in conformance with ASTM C780.
 - Test grout in each type of wall construction in conformance with ASTM C1019 using inch grout cubes.
 - Test concrete masonry units (CMU), for each type required, per ASTM C140.
 - Sample and test masonry prisms in conformance with ASTM C1314.
 - Inspect fully grouted, reinforced masonry cores.
 - Test one specimen at 7 days and the remaining two at 28 days.
 - Submit test results to the Architect of Record and Structural Engineer within 7 days. Report unacceptable results within 24 hours.
- Concrete Testing: Testing of composite samples of fresh concrete obtained according to ASTM C 172 shall be performed according [to the Statement of Special Inspections.] to the following requirements:
 - Testing Frequency: Obtain one composite sample for each day's pour of each concrete mixture exceeding 5 cu. yd., but less than 50 cu. yd., plus one set for each additional 50 cu. yd. or fraction thereof. When frequency of testing will provide fewer than five compressive-strength tests for each concrete mixture, testing shall be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
 - Slump: ASTM C 143/C 143M; one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appears to change.
 - Air Content: ASTM C 231, pressure method, for normal-weight concrete; one test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
 - Concrete Temperature: ASTM C 1064; one test hourly when air temperature is 40 deg F and below and when 80 deg F and above, and one test for each composite sample.
 - Compression Test Specimens: ASTM C 31.
 - Cast and laboratory cure two sets of two standard cylinder specimens for each composite sample.
 - Cast and field cure two sets of two standard cylinder specimens for each composite sample.
 - Compressive-Strength Tests: ASTM C 39; test one laboratory-cured specimens at 7 days and one set of two specimens at 28 days and one laboratory-cured specimen at 56 days if previous does not meet strength requirements.
 - Test results shall be reported in writing to Architect and Engineer, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests shall contain Project identification name and number, date of concrete placement, location of placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.
 - Additional Tests: Testing and inspecting agency shall make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Structural Engineer. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
 - Deficiencies: Correct deficiencies in the Work that test reports and inspections indicate does not comply with the Contract Documents.
- Wood Construction Inspections: Inspection of the wood construction shall be performed according to the following requirements:

Pre-Engineered Wood Trusses: [Periodically][Continuously] inspect grade stamps, wood framing connections, member sizes, member locations, connection plates, nailing, truss locations, connection details, plumbness, damage, and field modifications for compliance with the approved shop drawings and Contract Documents. [Periodically][Continuously] inspect the installed framing prior to concealment by surface finishes for permanent individual truss member bracing (including fastening and details) and verify compliance with the approved shop drawings and Contract Documents.

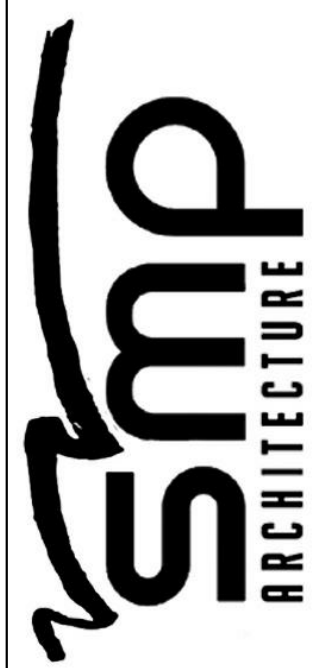
Wood Framing: [Periodically][Continuously] inspect wood structural panel sheathing size, configuration, blocking, and fastening (including spacing, diameter, and length of nails or staples) and verify compliance with the Contract Documents. Verify panel grade and thickness. [Periodically][Continuously] inspect wood framed shear wall end posts, holdowns, straps, and other components and verify compliance with the Contract Documents.
- Structural steel inspections:
 - AWS certified inspector to inspect both shop and field welds and verify compliance with the approved shop drawings and Contract Documents as follows:
 - Complete and partial joint penetration groove welds: Inspect and perform ultrasonic tests of 100% of welds.
 - Multi-pass fillet welds, single-pass fillet welds larger than 5/16", and plug and slot welds: Visually inspect 100% of welds and perform magnetic particle tests as required by inspector if defects are observed from visual inspection.
 - Single-pass fillet welds smaller than 5/16": Visually inspect 50% of welds and perform magnetic particle tests as required by inspector if defects are observed from visual inspection.
 - AWS certified inspector to inspect the erected steel framing for member sizes, member locations, and connection details such as bracing, stiffening, and proper application of joint details and verify compliance with the approved shop drawings and Contract Documents.
- Structural Observations: Notify engineer of progress of construction for coordination of site observations per Chapter 17 of the International Building Code (IBC). These observations are intended for review of general design intent and do not relieve the general contractor of their responsibility to perform quality control.

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BUDGET SET
DATE: 11/7/2020
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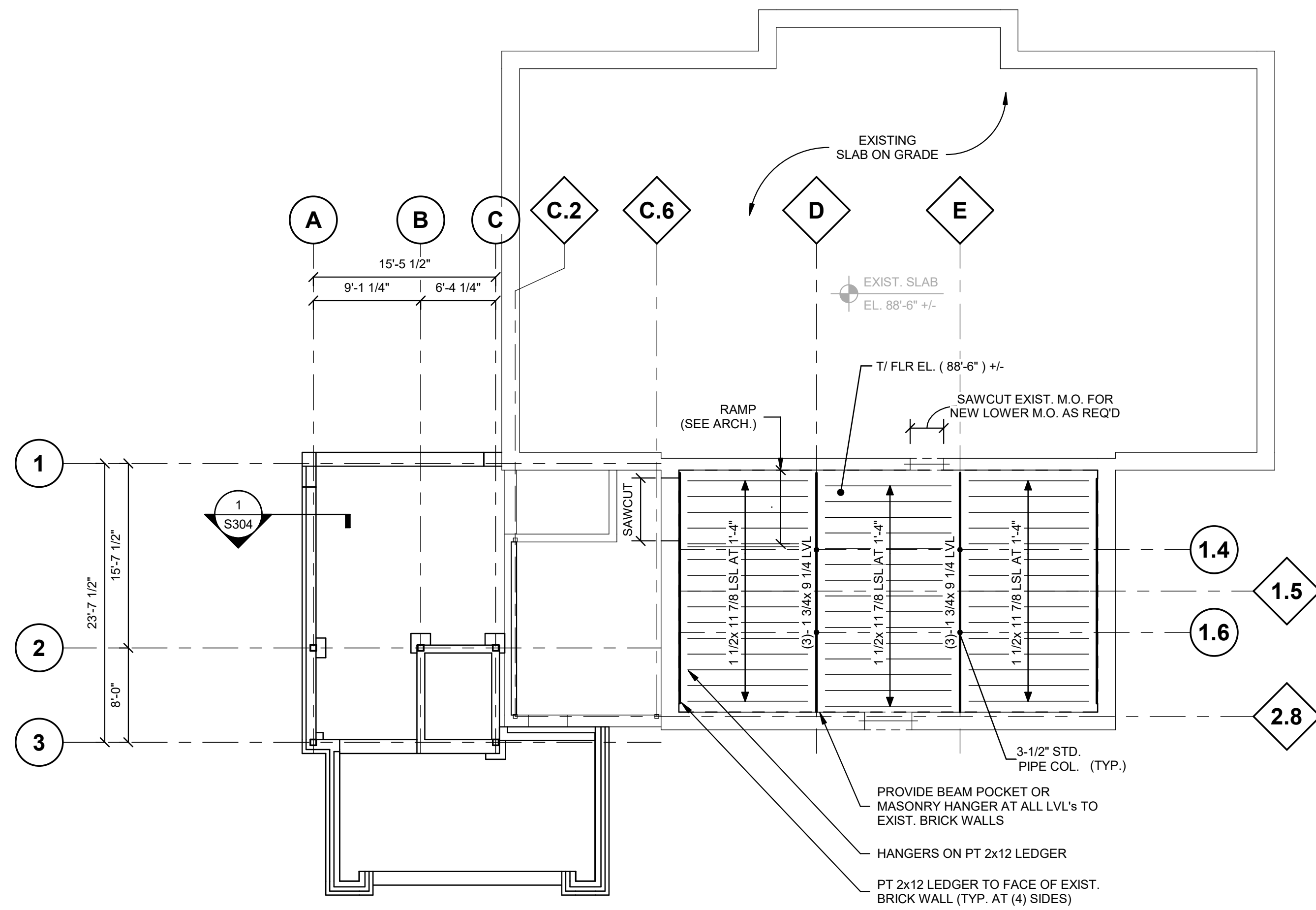


Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
GENERAL STRUCTURAL NOTES

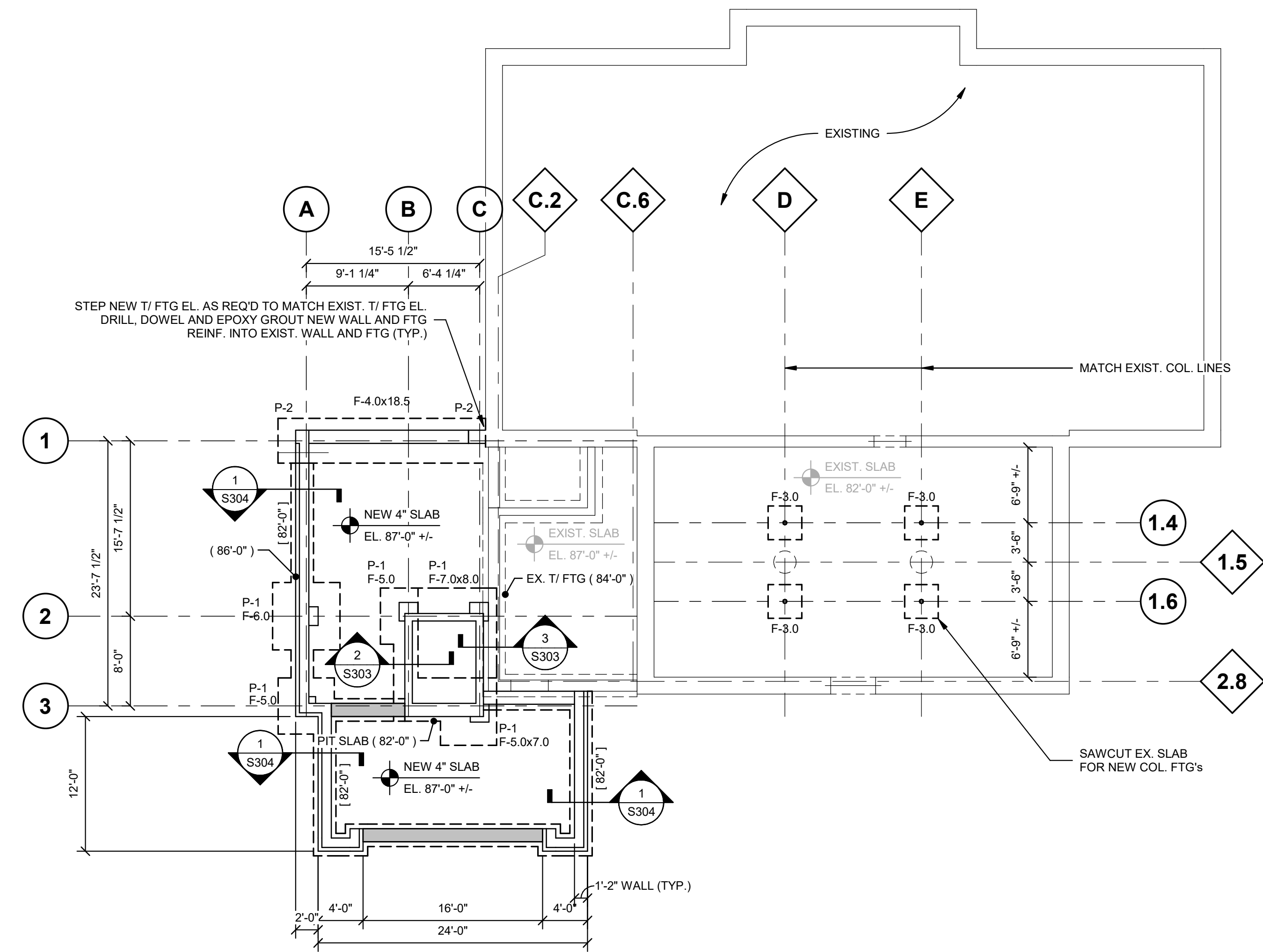
Job No.	18160
Scale	
Drawn By Designer	Rev'd By Checker
Date	01/16/20
Revised	

FOR BUDGET ONLY

S003



2 E-ROOM FLOOR FRAMING PLAN
1/8" = 1'-0"



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

FRAMING PLAN NOTES

- DO NOT SCALE THIS DRAWING.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- TOP OF FLOOR SHEATHING ELEVATION VARIES (SEE PLAN).
- TOP OF STEEL ELEVATION VARIES (SEE PLAN) UNLESS OTHERWISE NOTED THUS [X'-XX"] FROM TOP OF STEEL ELEVATION.
- TOP OF PLATE (TRUSS/JOIST BEARING ELEVATION) = XX'-XX" UNLESS OTHERWISE NOTED THUS [X'-XX"] FROM TOP OF PLATE ELEVATION.
- APPROXIMATE LAYOUT OF PREFABRICATED WOOD ROOF TRUSSES IS SHOWN ON PLAN. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE FINAL DESIGN AND LAYOUT OF TRUSSES, INCLUDING SHOP DRAWINGS, CALCULATIONS, BRACING, AND CONNECTIONS.
- ALL FRAMING SHOWN IS TO BE FLUSH FRAMED WITH PREFABRICATED LIGHT GAGE HANGERS UNLESS OTHERWISE NOTED AS DROPPED.
- (WP-#) INDICATES WOOD POST AND (C-#) INDICATES STEEL COLUMN, SEE WOOD POST AND STEEL COLUMN SCHEDULE.
- "F1" FLOOR SHEATHING: 3/4" THICK STURD-I-FLOOR T&G RATED WOOD SHEATHING.
- "R1" ROOF SHEATHING: 5/8" THICK EXTERIOR GRADE/EXPOSURE 1) RATED WOOD SHEATHING.
- EXTERIOR STUD WALL CONSTRUCTION: 2x6 STUDS AT 16" o.c. WITH 1/2" MIN. PLYWOOD SHEATHING. NAIL SHEATHING WITH 8d COMMON NAILS AT 6" o.c. EDGE/ 12" o.c. FIELD. PROVIDE FLAT 2x6 BLOCKING BETWEEN STUDS FOR HORIZONTAL PANEL EDGE NAILING.
- INTERIOR BEARING WALL CONSTRUCTION: 2x6 STUDS AT 16" o.c. WITH GYPSUM BOARD SHEATHING UNLESS NOTED OTHERWISE, SEE ARCHITECTURAL DRAWINGS FOR SHEATHING THICKNESS.
- IF ATTIC/ CEILING FRAMING IS TO REMAIN UNSHEATHED, TOP EDGES OF JOISTS SHALL BE BRACED AGAINST LATERAL BUCKLING BY INSTALLING CONTINUOUS 1x3 MIN. WOOD STRAPPING ACROSS TOPS OF JOISTS AT 4'-0" o.c. MAX., NAIL STRAPPING TO TOPS OF JOISTS WITH (2)-8d COMMONS.
- UNLESS FASTENED WITH HANGERS TO A FLUSH HEADER/BEAM, INSTALL SOLID 2x BLOCKING BETWEEN RAFTERS/ TRUSSES OVER BEARING WALLS OR DROPPED BEAMS.
- COORDINATE SIZE AND LOCATION OF ALL ROOF/FLOOR PENETRATIONS WITH ARCHITECTURAL AND MEP DRAWINGS, PROVIDE SUPPLEMENTAL FRAMING AROUND OPENINGS.
- MAXIMUM WEIGHT OF MECHANICAL UNITS (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS HAS NOT BEEN PROVIDED ON THE PLANS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF UNITS. COORDINATE LOCATION OF SUPPORT FRAMING WITH ARCHITECT AND MECHANICAL CONTRACTOR FOR THE MECHANICAL UNITS SPECIFIED.
- PROVIDE BUILT UP 2x HEADERS WITH A MINIMUM OF 1 JACK AND ONE KING STUD FOR ALL WALL OPENINGS GREATER THAN 14" WIDE. ALL BUILT UP HEADERS TO BE SHIMMED FULL LENGTH WITH 1/2" SHEATHING TO MATCH WALL STUD THICKNESS.
- ALL POSTS TO BE CONTINUOUS TO FOUNDATIONS U.N.O. PROVIDE SOLID BLOCKING AND OR SQUASH BLOCKS AT RIM JOISTS AND INTERMEDIATE BEARING POINTS OVER DROPPED BEAMS.
- "GT" DENOTES GIRDER TRUSS.
- "DJ" DENOTES DOUBLE JOIST.
- PROVIDE JOIST/RAFTER BRIDGING AT 8'-0" O.C. MAX.
- ALL JOISTS/RAFTERS TO ALIGN WITH INTERIOR AND EXTERIOR WALL STUDS.
- ALL INTERIOR AND EXTERIOR BEARING/SHEAR WALL STUDS TO ALIGN FROM FLOOR TO FLOOR.
- PROVIDE CONT. DOUBLE 2x NAILERS AT ALL TRUSS/JOIST BEARING LOCATIONS ON STEEL OR CONCRETE.
- PROVIDE SIMPSON HURRICANE CLIPS AT ALL ROOF TRUSS/JOIST BEARING LOCATIONS SEE DETAILS FOR MORE INFORMATION.
- PROVIDE SIMPSON LGT TYPE GIRDER TRUSS TIE DOWN AT ALL GIRDER TRUSS BEARING LOCATIONS.
- ALL EXTERIOR WOOD CONNECTORS TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE.
- INSTALL WEB STIFFENERS/SQUASH BLOCKS IN I-JOISTS THAT SUPPORT BEARING WALLS ABOVE IN ACCORDANCE WITH I-JOIST MANUFACTURER'S SPECIFICATIONS.
- PROVIDE MINIMUM OF (4) 2x POSTS IN WALLS AT BEAM/GIRDER TRUSS BEARING LOCATIONS.

CONCRETE FOOTING SCHEDULE

MARK	SIZE	BOT. REINF.	TOP REINF.	COMMENTS
F-3.0	3'-0"x 3'-0"x 1'-0"	(4)- #5 E.W.	(4)- #5 E.W.	
F-4.0x18.5	4'-0"x18'-6"x 1'-0"	(4)- #5 L.W. / (18)- #5 S.W.	(4)- #5 L.W. / (18)- #5 S.W.	
F-5.0	5'-0"x 5'-0"x 1'-0"	(6)- #5 E.W.	(6)- #5 E.W.	
F-5.0x7.0	5'-0"x 7'-0"x 1'-0"	(7)- #5 E.W.	(7)- #5 E.W.	
F-6.0	6'-0"x 6'-0"x 1'-0"	(6)- #5 E.W.	(6)- #5 E.W.	
F-7.0x8.0	7'-0"x 8'-0"x 1'-6"	(11)- #5 E.W.	(11)- #5 E.W.	

CONCRETE PIER SCHEDULE

MARK	SIZE	VERT. REINF.	TIE REINF.	COMMENTS

FOUNDATION PLAN NOTES

- DO NOT SCALE THIS DRAWING.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- FLOOR REFERENCE ELEVATION = EXIST. SLAB ELEVATION UNLESS NOTED OTHERWISE (SEE ARCHITECTS/CIVIL DRAWINGS FOR ACTUAL ELEVATION).
- FLOOR CONSTRUCTION: FINISHED CONCRETE FLOOR SLAB REINFORCED WITH W/WWF 6x6-W2.1xW2.1 ON 95% COMPACTED CLEAN GRANULAR FILL; SEE GEOTECHNICAL REPORT, GENERAL NOTES AND TYPICAL SLAB ON GRADE DETAILS FOR MORE INFORMATION.
- BOTTOM OF FOOTING ELEVATION TO BE -4'-0" MIN. BELOW FINISHED GRADE UNLESS NOTED THUS [X'-XX"] FROM REFERENCE ELEVATION. THE CONTRACTOR IS TO VERIFY ALL FOOTING ELEVATIONS WITH FINAL FINISHED GRADES.
- TOP OF PIER ELEVATION TO BE -1'-0" UNLESS NOTED THUS [X'-XX"] FROM REFERENCE ELEVATION.
- FOOTINGS TO BE CENTERED ON WALL AND COLUMN CENTERLINES UNLESS NOTED OTHERWISE.
- TOP OF FOOTING AT EXTERIOR PERIMETER COLUMNS TO BE FLUSH WITH FROST WALL CONTINUOUS FOOTINGS UNLESS NOTED OTHERWISE.
- TOP OF INTERIOR FOOTING ELEVATION TO BE -1'-0" UNLESS NOTED OTHERWISE: -2'-0" AT ALL ROOF DRAINS.
- "F-#" INDICATES CONCRETE FOOTING, SEE "CONCRETE FOOTING SCHEDULE" FOR SIZE, REINFORCEMENT, AND ADDITIONAL FOOTING INFORMATION.
- "P#" INDICATES CONCRETE PIER, SEE "CONCRETE PIER SCHEDULE" FOR SIZE, REINFORCEMENT, AND ADDITIONAL PIER INFORMATION.
- "C-#" INDICATES STEEL COLUMN ABOVE. SEE STEEL COLUMN SCHEDULE THIS SHEET FOR COLUMN SIZE AND BASE PLATE INFORMATION.
- (WP-#) INDICATES WOOD POST AND (C-#) INDICATES STEEL COLUMN, SEE WOOD POST AND STEEL COLUMN SCHEDULE.
- SEE "STEEL COLUMN SCHEDULE" FOR COLUMN AND BASE PLATE INFORMATION.
- COORDINATE ALL FLOOR PITCH, PTS, TRENCHES, POCKETS, BRICK SHELVES, SLEEVES, PENETRATIONS, AND INSERTS IN CONCRETE WALLS AND SLABS WITH ARCHITECTURAL AND MEP DRAWINGS.
- COORDINATE ELEVATOR SIZE AND LOCATION W/ ARCH. DWGS & ELEVATOR MANUFACTURER.
- SEE GENERAL NOTES FOR ADDITIONAL FOUNDATION REQUIREMENTS AND INFORMATION.
- SEE GEOTECHNICAL REPORT FOR DRAINAGE, BACKFILL AND SITE PREPARATION REQUIREMENTS.
- PROVIDE CONTROL JOINTS AS SHOWN ON PLAN. JOINT SPACING NOT TO EXCEED XX'-X" ON CENTER COORDINATE ALL FOUNDATION DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- PROVIDE POCKETS IN CONCRETE WALLS FOR DROPPED BEAMS AS REQUIRED.
- PROVIDE 1/2" DIAMETER ANCHOR BOLTS AT 48" O.C. AT ALL WALLS UNLESS NOTED OTHERWISE.
- PROVIDE HSS3x3x1/4 ELEVATOR RAIL POSTS EA SIDE AT ELEVATOR SHAFT COORDINATE WITH FINAL SELECTED ELEVATOR.
- PROVIDE MM80 JOINT FILLER AT ALL JOINTS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ASHFORD FORMULA FLOOR HARDENER BY CURCRETE CHEMICAL COMPANY COORDINATE WITH ARCHITECTURAL FLOOR FINISHES.

BUDGET SET
NOT FOR CONSTRUCTION
DATE: 11/7/2020

Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
FOUNDATION AND E-ROOM FLOOR FRAMING PLANS

Job No.	18160
Scale	1/8" = 1'-0"
Drawn By	Rev'd By
LPC3 / JW	PES
Date	XXXXXX
Revised	

FOR BUDGET ONLY

S101

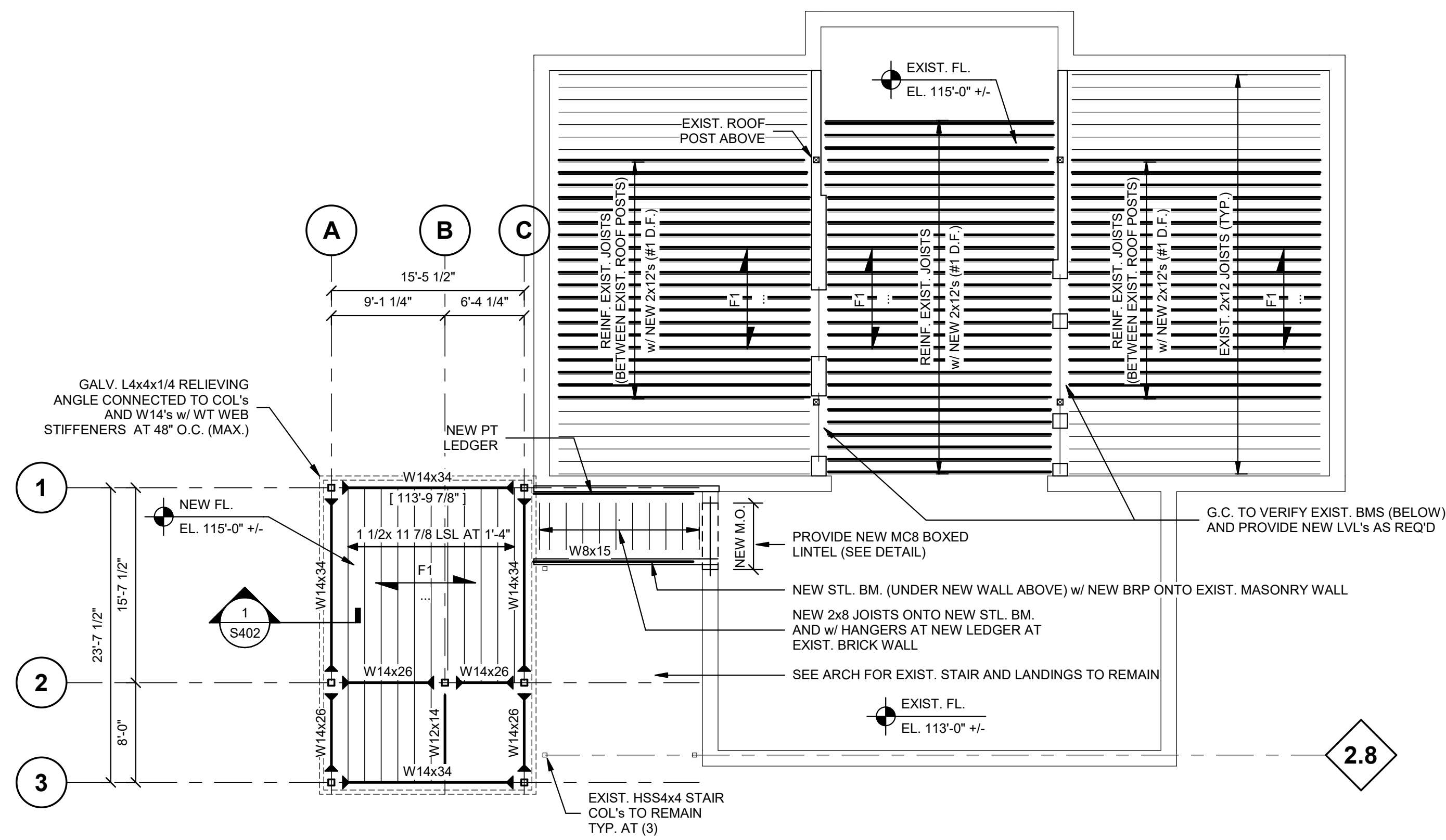
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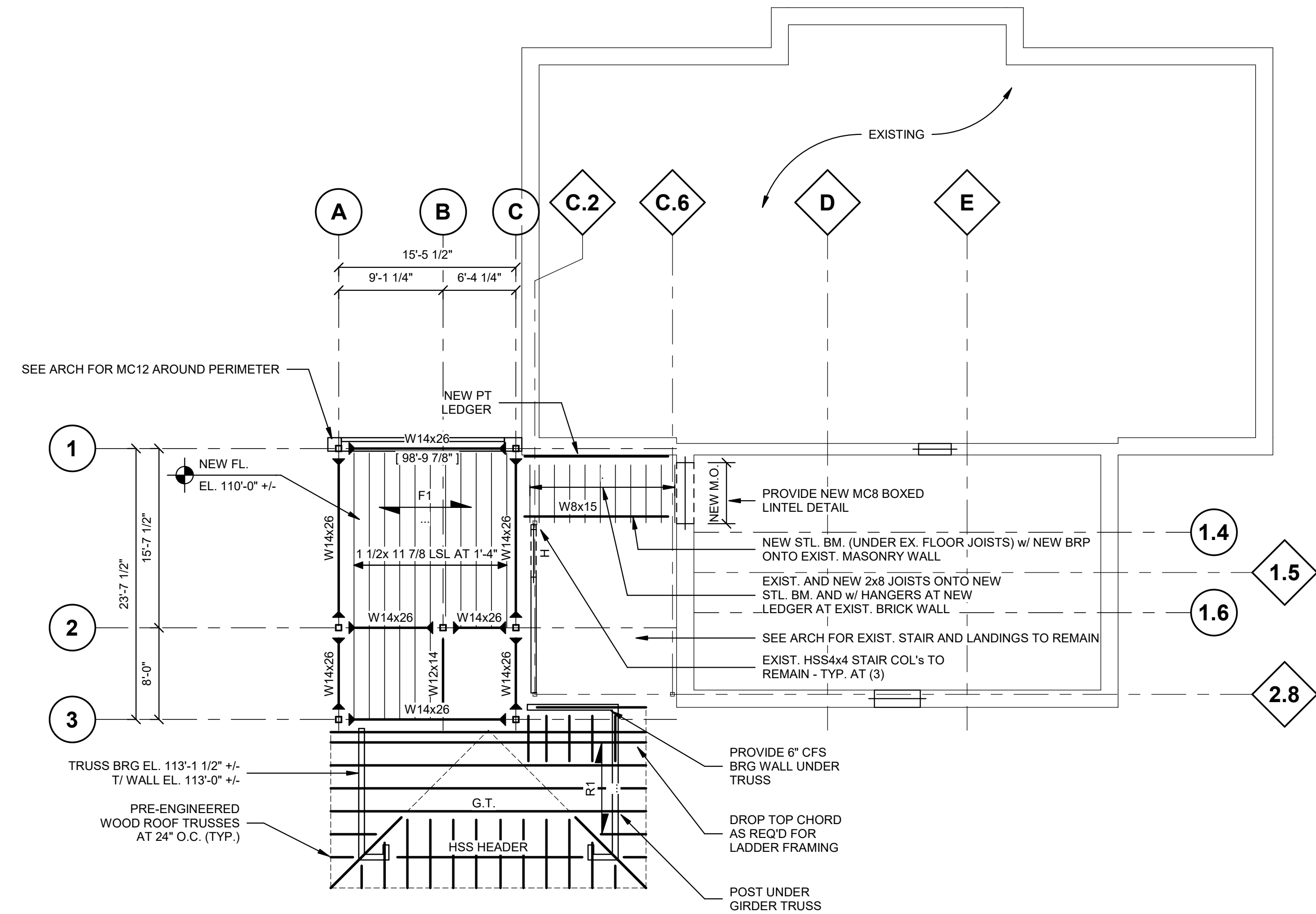


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Bedford, NH 03110
Phone #: (603) 472-4488
Fax #: (603) 472-8747
Toll Free #: 866.668.00





2 THIRD FLOOR FRAMING PLAN
1/8" = 1'-0"



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

FRAMING PLAN NOTES

- DO NOT SCALE THIS DRAWING.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- TOP OF FLOOR SHEATHING ELEVATION VARIES (SEE PLAN).
- TOP OF STEEL ELEVATION VARIES (SEE PLAN) UNLESS OTHERWISE NOTED THUS [x'-xx"] FROM TOP OF STEEL ELEVATION.
- TOP OF PLATE (TRUSS/JOIST BEARING ELEVATION) = xx'-xx" UNLESS OTHERWISE NOTED THUS [x'-xx"] FROM TOP OF PLATE ELEVATION.
- APPROXIMATE LAYOUT OF PREFABRICATED WOOD ROOF TRUSSES IS SHOWN ON PLAN. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE FINAL DESIGN AND LAYOUT OF TRUSSES, INCLUDING SHOP DRAWINGS, CALCULATIONS, BRACING, AND CONNECTIONS.
- ALL FRAMING SHOWN IS TO BE FLUSH FRAMED WITH PREFABRICATED LIGHT GAGE HANGERS UNLESS OTHERWISE NOTED AS DROPPED.
- (WP-#) INDICATES WOOD POST AND (C-#) INDICATES STEEL COLUMN. SEE WOOD POST AND STEEL COLUMN SCHEDULE.
- "F1" FLOOR SHEATHING: 3/4" THICK STURD-I-FLOOR T&G RATED WOOD SHEATHING.
- "R1" ROOF SHEATHING: 5/8" THICK EXTERIOR GRADE/EXPOSURE 1) RATED WOOD SHEATHING.
- EXTERIOR STUD WALL CONSTRUCTION: 2x6 STUDS AT 16" o.c. WITH 1/2" MIN. PLYWOOD SHEATHING. NAIL SHEATHING WITH 8d COMMON NAILS AT 6" o.c. EDGE/ 12" o.c. FIELD. PROVIDE FLAT 2x6 BLOCKING BETWEEN STUDS FOR HORIZONTAL PANEL EDGE NAILING.
- INTERIOR BEARING WALL CONSTRUCTION: 2x6 STUDS AT 18" o.c. WITH GYPSUM BOARD SHEATHING UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR SHEATHING THICKNESS.
- IF ATTIC/ CEILING FRAMING IS TO REMAIN UNSHEATHED, TOP EDGES OF JOISTS SHALL BE BRACED AGAINST LATERAL BUCKLING BY INSTALLING CONTINUOUS 1x3 MIN. WOOD STRAPPING ACROSS TOPS OF JOISTS AT 4'-0" o.c. MAX. NAIL STRAPPING TO TOPS OF JOISTS WITH (2)-8d COMMONS.
- UNLESS FASTENED WITH HANGERS TO A FLUSH HEADER/BEAM, INSTALL SOLID 2x BLOCKING BETWEEN RAFTERS/ TRUSSES OVER BEARING WALLS OR DROPPED BEAMS.
- COORDINATE SIZE AND LOCATION OF ALL ROOF/FLOOR PENETRATIONS WITH ARCHITECTURAL AND MEP DRAWINGS. PROVIDE SUPPLEMENTAL FRAMING AROUND OPENINGS.
- MAXIMUM WEIGHT OF MECHANICAL UNITS (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS HAS NOT BEEN PROVIDED ON THE PLANS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF UNITS. COORDINATE LOCATION OF SUPPORT FRAMING WITH ARCHITECT AND MECHANICAL CONTRACTOR FOR THE MECHANICAL UNITS SPECIFIED.
- PROVIDE BUILT UP 2x HEADERS WITH A MINIMUM OF 1 JACK AND ONE KING STUD FOR ALL WALL OPENINGS GREATER THAN 14" WIDE. ALL BUILT UP HEADERS TO BE SHIMMED FULL LENGTH WITH 1/2" SHEATHING TO MATCH WALL STUD THICKNESS.
- ALL POSTS TO BE CONTINUOUS TO FOUNDATIONS U.N.O. PROVIDE SOLID BLOCKING AND OR SQUASH BLOCKS AT RIM JOISTS AND INTERMEDIATE BEARING POINTS OVER DROPPED BEAMS.
- "GT" DENOTES GIRDER TRUSS.
- "DJ" DENOTES DOUBLE JOIST.
- PROVIDE JOIST/RAFTER BRIDGING AT 8'-0" O.C. MAX.
- ALL JOISTS/RAFTERS TO ALIGN WITH INTERIOR AND EXTERIOR WALL STUDS.
- ALL INTERIOR AND EXTERIOR BEARING/SHEAR WALL STUDS TO ALIGN FROM FLOOR TO FLOOR.
- PROVIDE CONT. DOUBLE 2x NAILERS AT ALL TRUSS/JOIST BEARING LOCATIONS ON STEEL OR CONCRETE.
- PROVIDE SIMPSON HURRICANE CLIPS AT ALL ROOF TRUSS/JOIST BEARING LOCATIONS SEE DETAILS FOR MORE INFORMATION.
- PROVIDE SIMPSON LGT TYPE GIRDER TRUSS TIE DOWN AT ALL GIRDER TRUSS BEARING LOCATIONS.
- ALL EXTERIOR WOOD CONNECTORS TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE.
- INSTALL WEB STIFFENERS/SQUASH BLOCKS IN I-JOISTS THAT SUPPORT BEARING WALLS ABOVE IN ACCORDANCE WITH I-JOIST MANUFACTURER'S SPECIFICATIONS.
- PROVIDE MINIMUM OF (4) 2x POSTS IN WALLS AT BEAM/GIRDER TRUSS BEARING LOCATIONS.

BUDGET SET
DATE: 11/7/2020
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
SECOND & THIRD FLOOR FRAMING PLANS

Job No. 18160
Scale 1/8" = 1'-0"
Drawn By LPCJ/JW
Rev'd By PES
Date XXXXXX
Revised

FOR BUDGET ONLY
S102

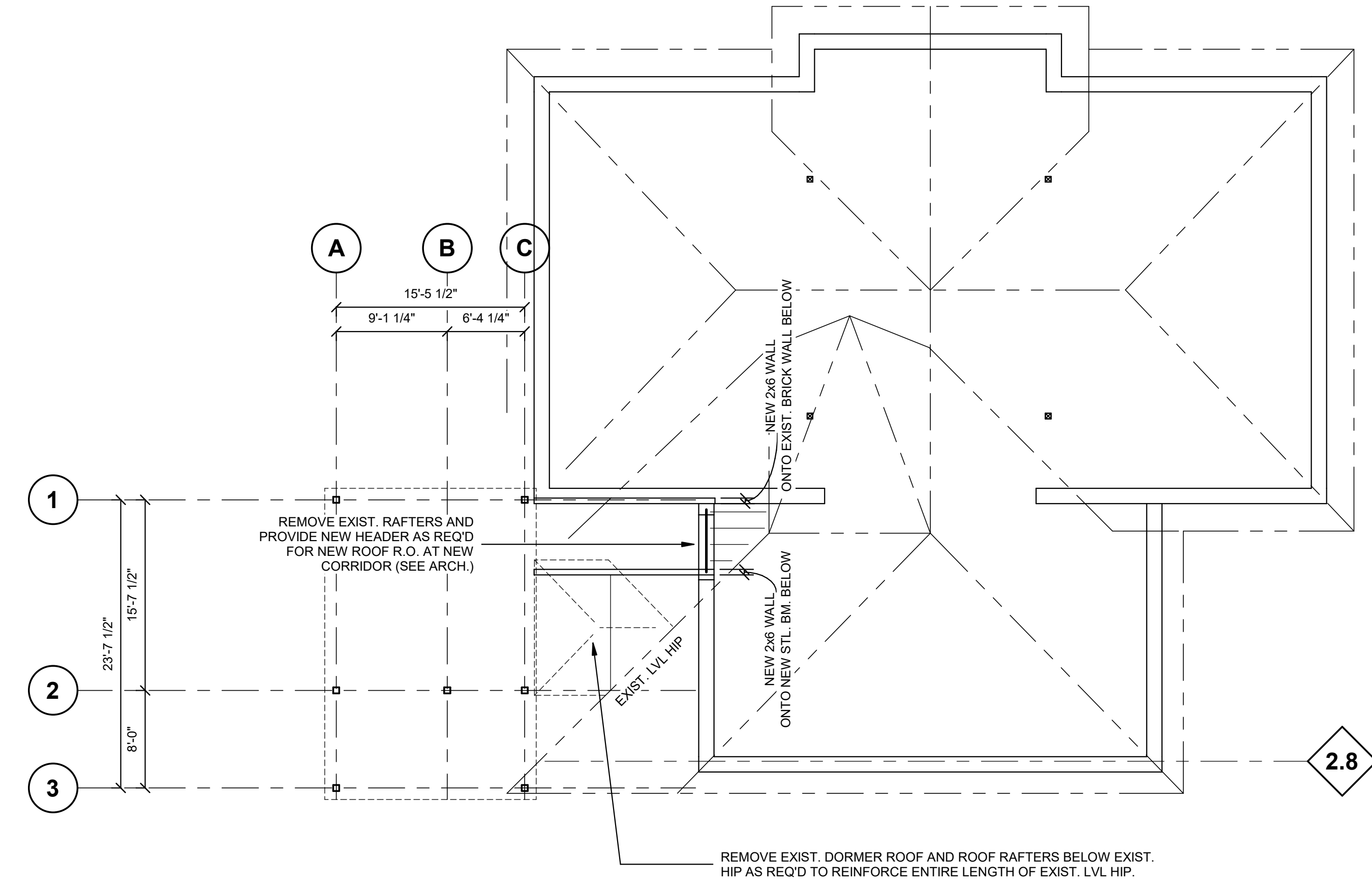
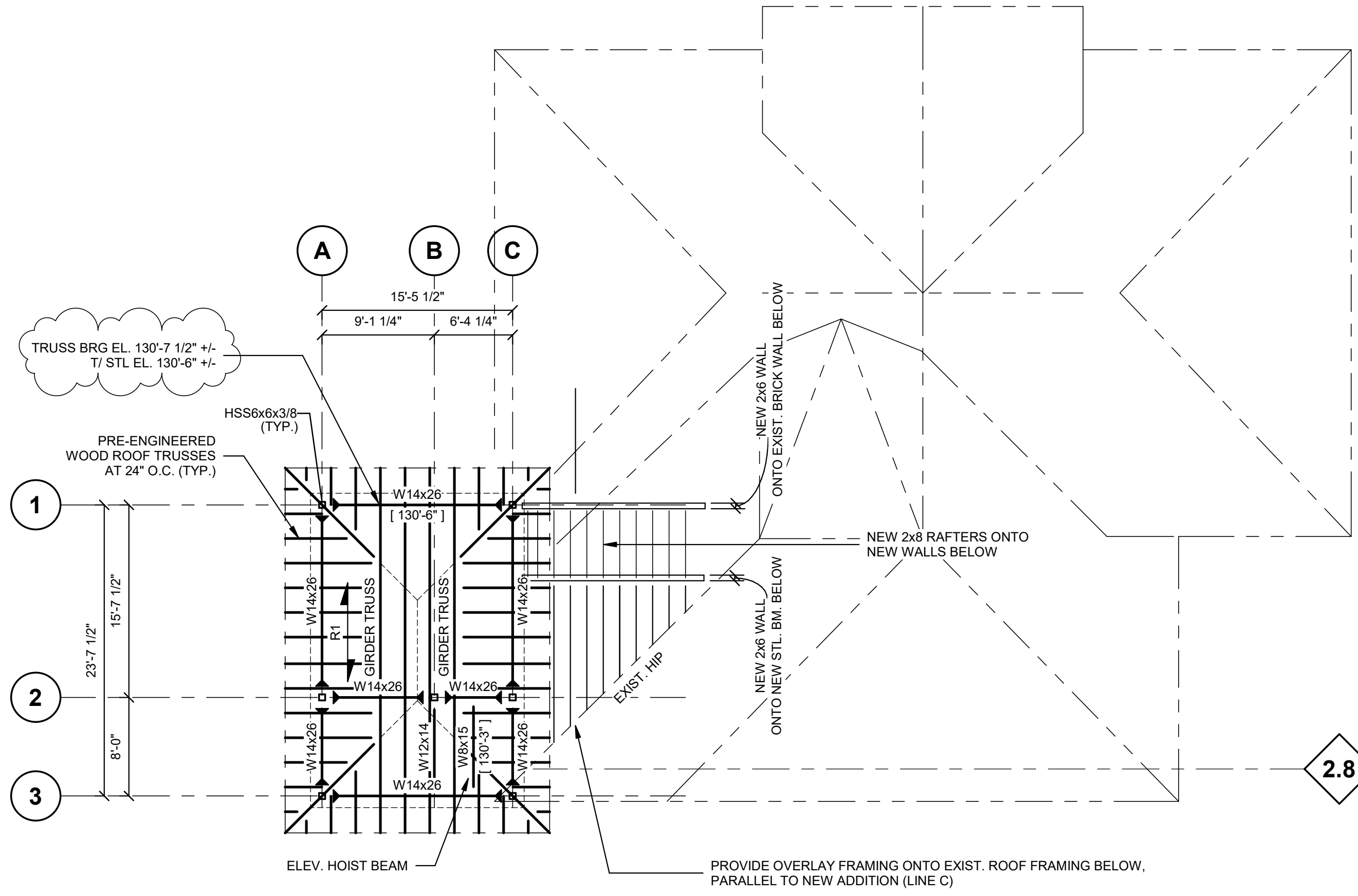
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1 ROOF FRAMING PLAN
1/8" = 1'-0"

2 EXISTING BUILDING ROOF FRAMING PLAN
1/8" = 1'-0"

FRAMING PLAN NOTES

1. DO NOT SCALE THIS DRAWING.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. TOP OF FLOOR SHEATHING ELEVATION VARIES (SEE PLAN).
4. TOP OF STEEL ELEVATION VARIES (SEE PLAN) UNLESS OTHERWISE NOTED THUS [XX'-XX"] FROM TOP OF STEEL ELEVATION.
5. TOP OF PLATE (TRUSS/JOIST BEARING ELEVATION) = XX'-XX" UNLESS OTHERWISE NOTED THUS [XX'-XX"] FROM TOP OF PLATE ELEVATION.
6. APPROXIMATE LAYOUT OF PREFABRICATED WOOD ROOF TRUSSES IS SHOWN ON PLAN. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE FINAL DESIGN AND LAYOUT OF TRUSSES, INCLUDING SHOP DRAWINGS, CALCULATIONS, BRACING, AND CONNECTIONS.
7. ALL FRAMING SHOWN IS TO BE FLUSH FRAMED WITH PREFABRICATED LIGHT GAGE HANGERS UNLESS OTHERWISE NOTED AS DROPPED.
8. (WP-#) INDICATES WOOD POST AND (C-#) INDICATES STEEL COLUMN. SEE WOOD POST AND STEEL COLUMN SCHEDULE.
9. "F1" FLOOR SHEATHING: 3/4" THICK STURD-I-FLOOR T&G RATED WOOD SHEATHING.
10. "R1" ROOF SHEATHING: 5/8" THICK EXTERIOR GRADE (EXPOSURE 1) RATED WOOD SHEATHING.
11. EXTERIOR STUD WALL CONSTRUCTION: 2x6 STUDS AT 16" o.c. WITH 1/2" MIN. PLYWOOD SHEATHING. NAIL SHEATHING WITH 8d COMMON NAILS AT 6" o.c. EDGE/ 12" o.c. FIELD. PROVIDE FLAT 2x6 BLOCKING BETWEEN STUDS FOR HORIZONTAL PANEL EDGE NAILING.
12. INTERIOR BEARING WALL CONSTRUCTION: 2x6 STUDS AT 16" o.c. WITH GYPSUM BOARD SHEATHING UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR SHEATHING THICKNESS.
13. IF ATTIC/ CEILING FRAMING IS TO REMAIN UNSHEATHED, TOP EDGES OF JOISTS SHALL BE BRACED AGAINST LATERAL BUCKLING BY INSTALLING CONTINUOUS 1x3 MIN. WOOD STRAPPING ACROSS TOPS OF JOISTS AT 4'-0" o.c. MAX., NAIL STRAPPING TO TOPS OF JOISTS WITH (2)-8d COMMONS.
14. UNLESS FASTENED WITH HANGERS TO A FLUSH HEADER/BEAM, INSTALL SOLID 2x BLOCKING BETWEEN RAFTERS/ TRUSSES OVER BEARING WALLS OR DROPPED BEAMS.
15. COORDINATE SIZE AND LOCATION OF ALL ROOF/FLOOR PENETRATIONS WITH ARCHITECTURAL AND MEP DRAWINGS, PROVIDE SUPPLEMENTAL FRAMING AROUND OPENINGS.
16. MAXIMUM WEIGHT OF MECHANICAL UNITS (INCLUDING WEIGHT OF CURB) USED IN THE DESIGN OF SUPPORTING MEMBERS HAS NOT BEEN PROVIDED ON THE PLANS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF UNITS. COORDINATE LOCATION OF SUPPORT FRAMING WITH ARCHITECT AND MECHANICAL CONTRACTOR FOR THE MECHANICAL UNITS SPECIFIED.
17. PROVIDE BUILT UP 2x HEADERS WITH A MINIMUM OF 1 JACK AND ONE KING STUD FOR ALL WALL OPENINGS GREATER THAN 14" WIDE. ALL BUILT UP HEADERS TO BE SHIMMED FULL LENGTH WITH 1/2" SHEATHING TO MATCH WALL STUD THICKNESS.
18. ALL POSTS TO BE CONTINUOUS TO FOUNDATIONS U.N.O. PROVIDE SOLID BLOCKING AND OR SQUASH BLOCKS AT RIM JOISTS AND INTERMEDIATE BEARING POINTS OVER DROPPED BEAMS.
19. "GT" DENOTES GIRDER TRUSS.
20. "DJ" DENOTES DOUBLE JOIST.
21. PROVIDE JOIST/RAFTER BRIDGING AT 8'-0" O.C. MAX.
22. ALL JOISTS/RAFTERS TO ALIGN WITH INTERIOR AND EXTERIOR WALL STUDS.
23. ALL INTERIOR AND EXTERIOR BEARING/SHEAR WALL STUDS TO ALIGN FROM FLOOR TO FLOOR.
24. PROVIDE CONT. DOUBLE 2x NAILERS AT ALL TRUSS/JOIST BEARING LOCATIONS ON STEEL OR CONCRETE.
25. PROVIDE SIMPSON HURRICANE CLIPS AT ALL ROOF TRUSS/JOIST BEARING LOCATIONS SEE DETAILS FOR MORE INFORMATION.
26. PROVIDE SIMPSON LGT TYPE GIRDER TRUSS TIE DOWN AT ALL GIRDER TRUSS BEARING LOCATIONS.
27. ALL EXTERIOR WOOD CONNECTORS TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE.
28. INSTALL WEB STIFFENERS/SQUASH BLOCKS IN I-JOISTS THAT SUPPORT BEARING WALLS ABOVE IN ACCORDANCE WITH I-JOIST MANUFACTURER'S SPECIFICATIONS
29. PROVIDE MINIMUM OF (4) 2x POSTS IN WALLS AT BEAM/GIRDER TRUSS BEARING LOCATIONS.

BUDGET SET
NOT FOR CONSTRUCTION
DATE: 11/7/2020

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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
ROOF FRAMING PLANS

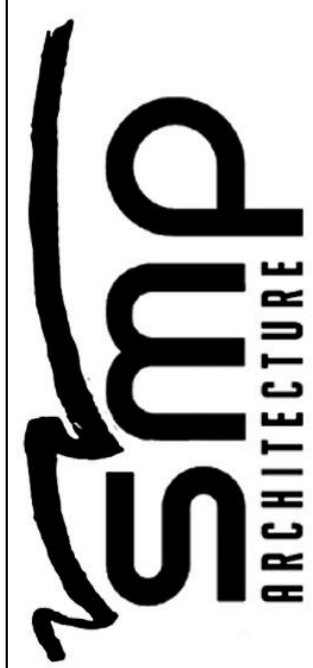
Job No.	18160
Scale	1/8" = 1'-0"
Drawn By	Rev'd By
LPCJ/JW	PES
Date	XXXXXX
Revised	
1	Revision 1

FOR BUDGET ONLY

S103

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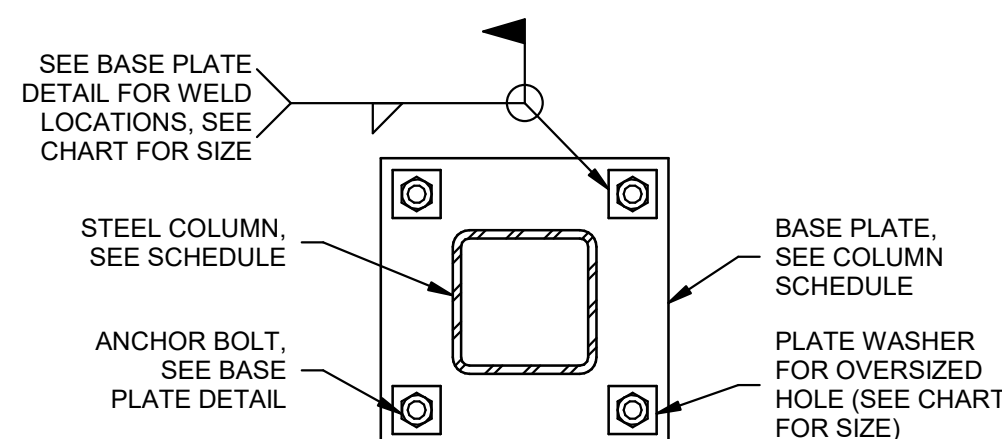
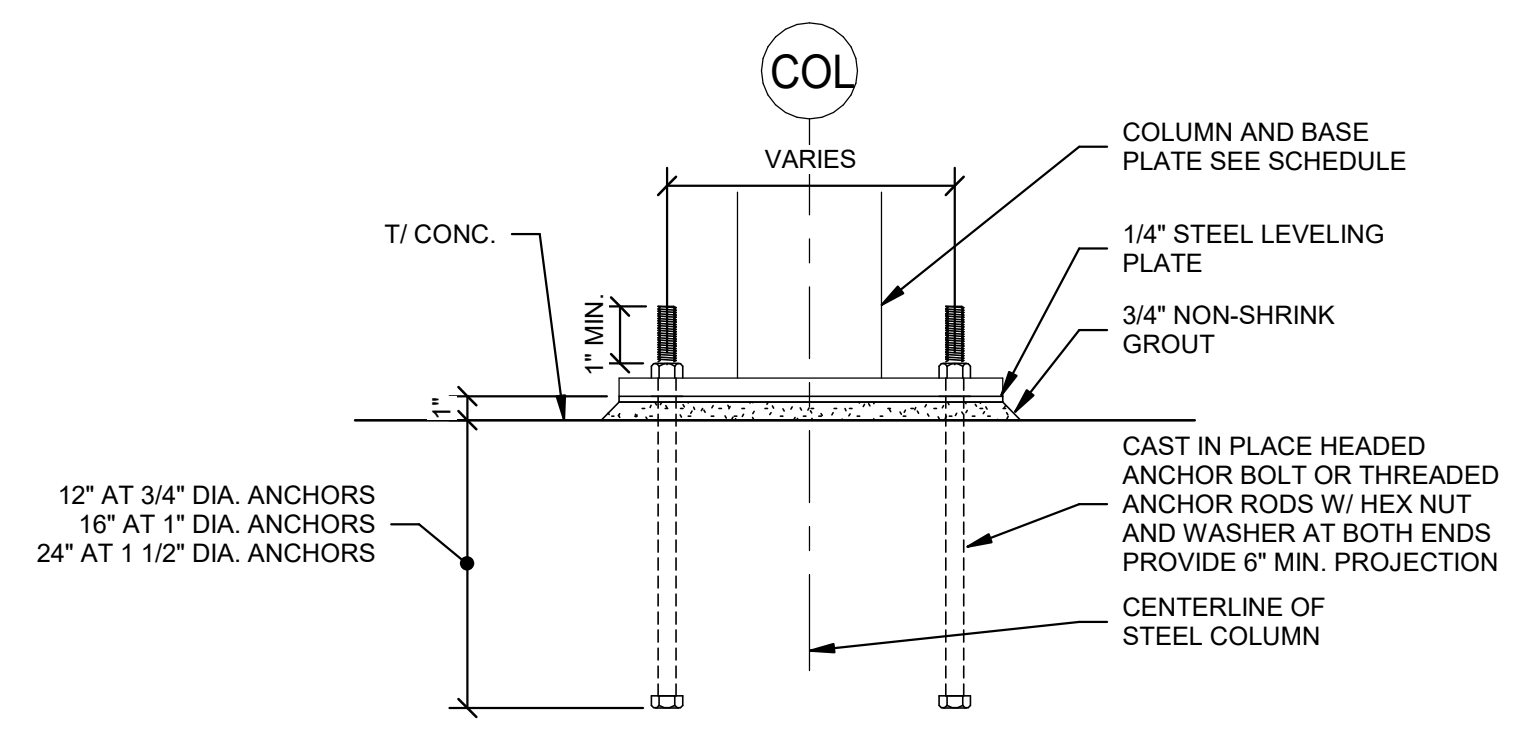


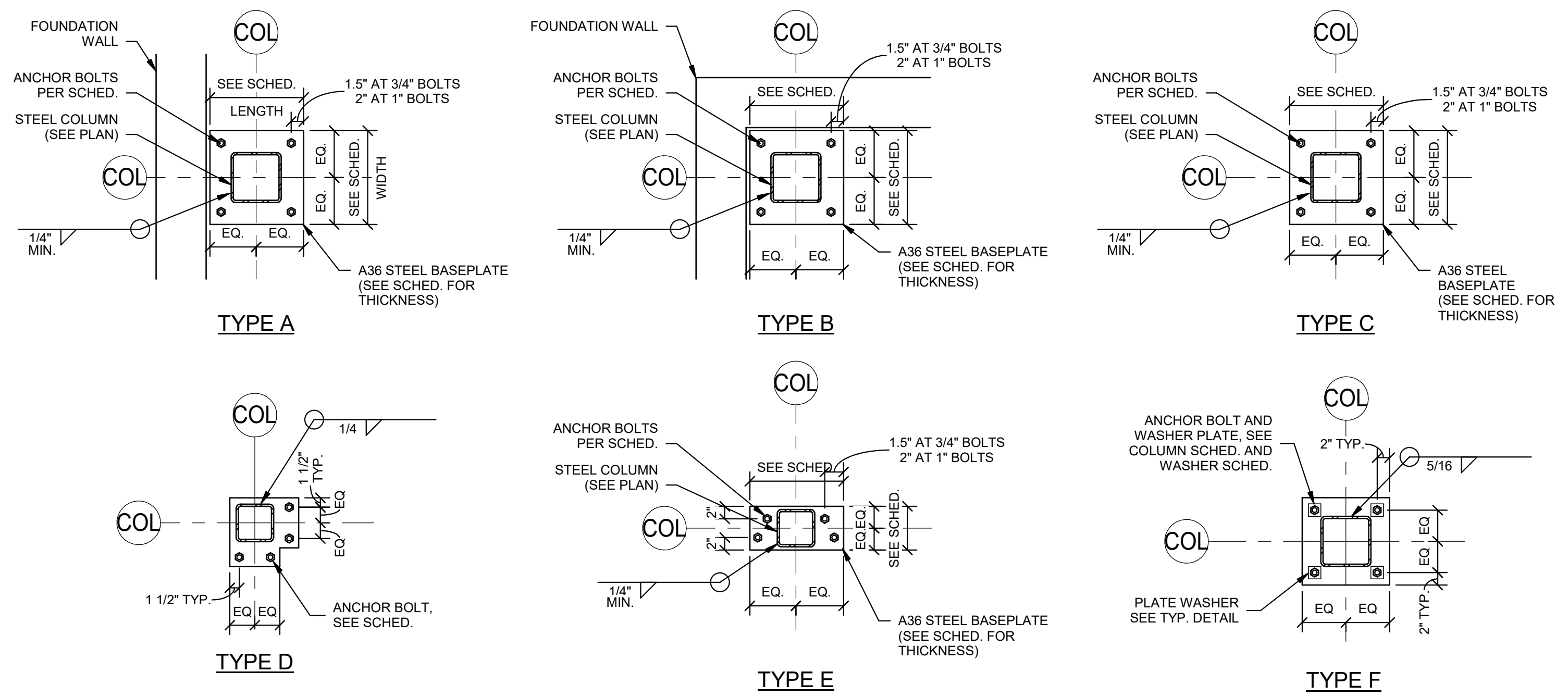
PLATE WASHER SCHEDULE				
ANCHOR BOLT DIA.	MIN. WASHER SIZE (STANDARD HOLE)	MIN. WASHER SIZE (OVERSIZED HOLE)		MIN. WELD THICKNESS
		HOLE DIA.	WASHER SIZE (WIDTH OR DIA.)	
1/2"	STANDARD +5/16"			
5/8"	STANDARD +5/16"			
3/4"	STANDARD +5/16"	1 5/16"	2 x 1 1/4"	-
7/8"	STANDARD +5/16"	1 9/16"	2 1/2 x 5/16"	1/4"
1"	STANDARD +1/2"	1 13/16"	3 x 3/8"	5/16"
1 1/4"	STANDARD +1/2"	2 1/16"	3 x 1/2"	5/16"
1 1/2"	STANDARD +1/2"	2 5/16"	3 1/2 x 1/2"	5/16"
1 3/4"	STANDARD +1/2"	2 3/4"	4 x 5/8"	5/16"
2"	STANDARD +1"	3 1/4"	5 x 3/4"	5/16"

NOTES:
 1. STANDARD WASHERS MAY BE PROVIDED AT BASE PLATES WHERE HOLES ARE NOT OVERSIZED AND WHERE WASHERS ARE NOT SPECIFIED AS WELDED.
 2. STANDARD WASHERS PER ASTM F-844.
 3. PROVIDE HOLE IN WASHER PLATE 1/16" LARGER THAN ANCHOR DIAMETER.
 4. WASHERS MAY BE CIRCULAR OR SQUARE.

3 TYPICAL PLATE WASHER DETAIL AND SCHEDULE
NO SCALE



2 TYPICAL LEVELING PLATE AND ANCHOR BOLT SECTION
NO SCALE



1 BASEPLATE DETAILS
3/4" = 1'-0"

STEEL COLUMN SCHEDULE																	
05_T/ STL														05_T/ STL			
130'-6"														130'-6"			
04_T/ FLR	HSS6x6x3/8													04_T/ FLR			
115'-0"		HSS6x6x3/8	HSS6x6x3/8	HSS6x6x3/8	HSS6x6x3/8									115'-0"			
03_T/ FLR						HSS4x4x1/4		HSS6x6x3/8	HSS6x6x3/8					03_T/ FLR			
100'-0"									HSS4x4x1/4	HSS4x4x1/4				100'-0"			
02_T/ FLR														02_T/ FLR			
88'-5"														88'-5"			
01_T/ FLR														01_T/ FLR			
89'-5"														89'-5"			
Column Locations	A-1	A-2	A-3	B-2	C-1	C(1-7 7/8")-(6-5 3/4")	C-2	C-3	C.2-2.8	C.6-2.8	3-1/2" STD. PIPE COL.	D-1.4	3-1/2" STD. PIPE COL.	D-1.6	E-1.4	3-1/2" STD. PIPE COL.	E-1.6
Base Plate Type																	
Base Plate Size																	

BUDGET SET
DATE: 11/7/2020
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
STEEL COLUMN SCHEDULE AND STEEL BASE PLATE DETAILS

Job No.	18160
Scale	As indicated
Drawn By	LPC3 / JW
Rev'd By	PES
Date	XXXXXX
Revised	

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CONCRETE REINFORCING LAP REQUIREMENTS

TYPICAL REINFORCING BAR TENSION LAP LENGTHS - CLASS A

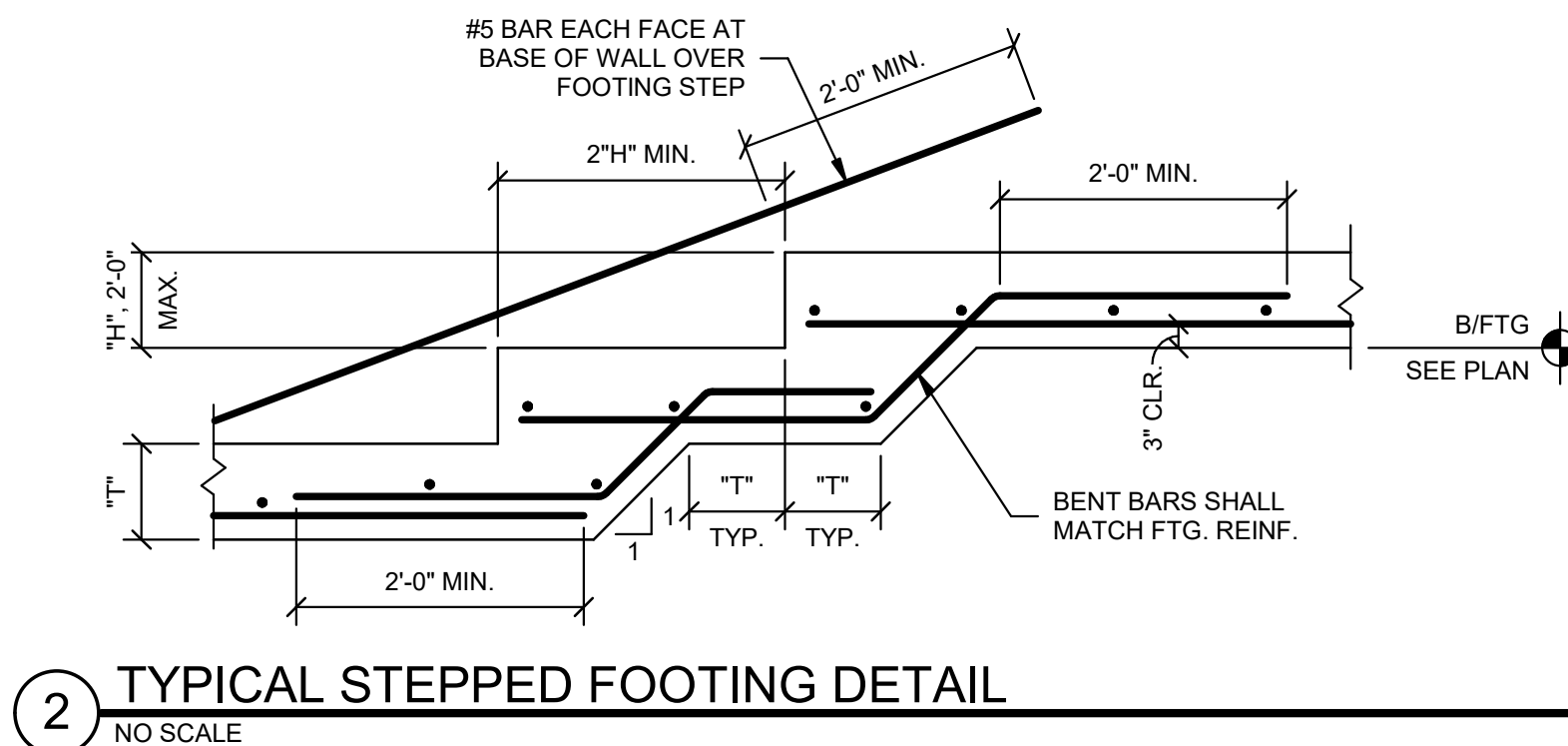
HORIZONTAL REINFORCING IN WALLS, AT TOP OF FOOTINGS 12" THICK OR GREATER AND ALL OTHER BARS WHERE 12" OF CONCRETE WILL BE CAST BELOW THE BAR					OTHERS				
CONC. STR. SIZE	LAP LENGTH				CONC. STR. SIZE	LAP LENGTH			
	3ksi	3.5ksi	4ksi	4ksi LW		3ksi	3.5ksi	4ksi	4ksi LW
#3	22"	20"	19"	25"	#3	17"	15.2"	14"	19"
#4	29"	27"	25"	33"	#4	22"	20.3"	19"	26"
#5	36"	33"	31"	41"	#5	28"	26"	24"	32"
#6	43"	40"	37"	50"	#6	33"	30.4"	29"	38"
#7	63"	58"	54"	72"	#7	48"	44.4"	42"	56"
#8	72"	66"	62"	82"	#8	55"	51"	48"	64"
#9	80"	75"	69"	93"	#9	62"	57"	54"	71"
#10	89"	83"	77"	103"	#10	69"	64"	60"	79"
#11	98"	91"	85"	113"	#11	76"	70"	65"	87"

TYPICAL REINFORCING BAR TENSION LAP LENGTHS - CLASS B

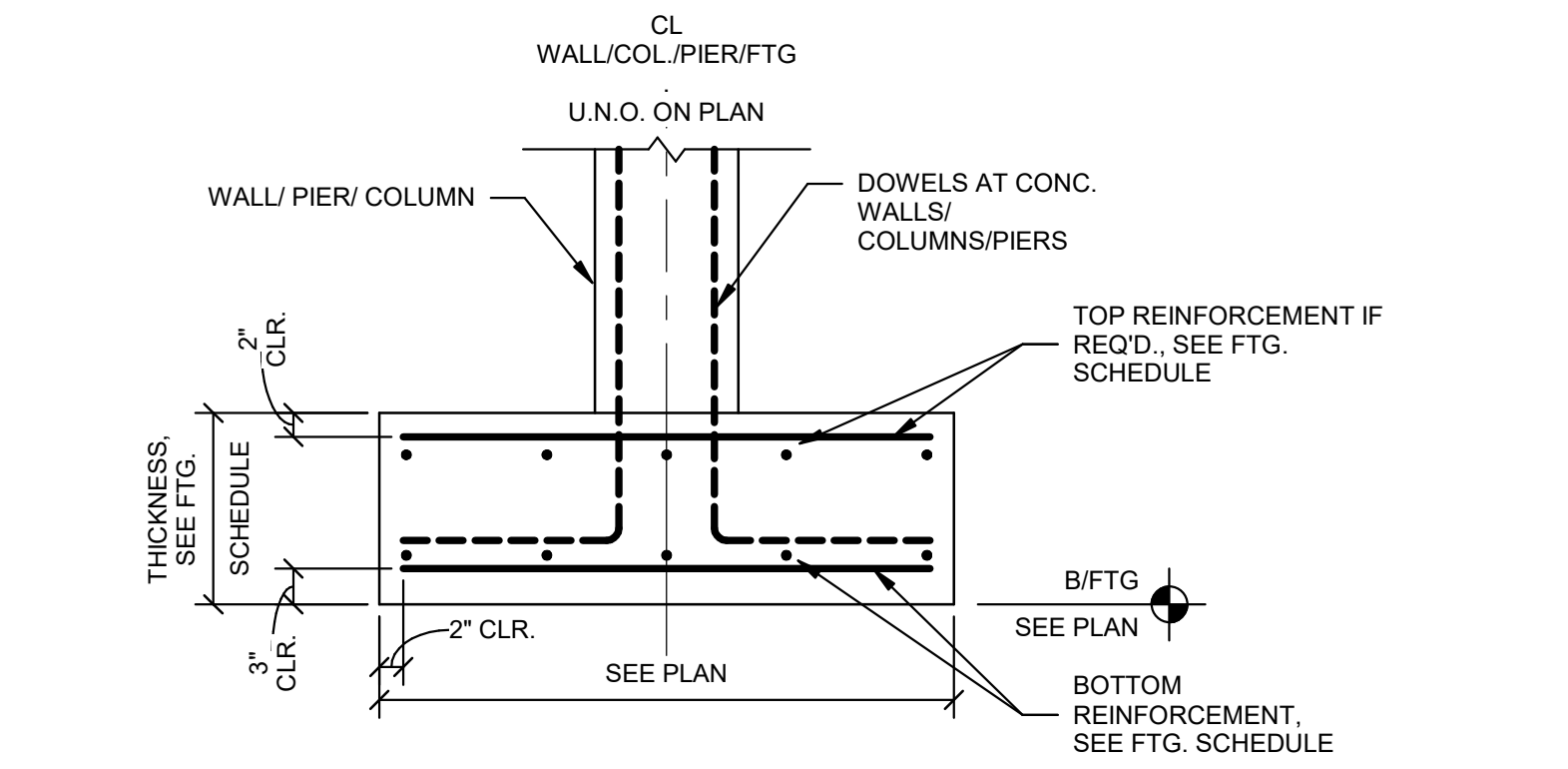
HORIZONTAL REINFORCING IN WALLS, AT TOP OF FOOTINGS 12" THICK OR GREATER AND ALL OTHER BARS WHERE 12" OF CONCRETE WILL BE CAST BELOW THE BAR					OTHERS				
CONC. STR. SIZE	LAP LENGTH				CONC. STR. SIZE	LAP LENGTH			
	3ksi	3.5ksi	4ksi	4ksi LW		3ksi	3.5ksi	4ksi	4ksi LW
#3	28"	26"	24"	32"	#3	22"	20"	19"	25"
#4	37"	35"	32"	43"	#4	29"	26.37"	25"	33"
#5	47"	43"	40"	54"	#5	36"	33"	31"	41"
#6	56"	52"	48"	64"	#6	43"	40"	37"	50"
#7	81"	75"	71"	94"	#7	63"	58"	54"	72"
#8	93"	86"	80"	102"	#8	72"	66"	62"	84"
#9	104"	97"	90"	121"	#9	80"	74"	70"	93"
#10	116"	107"	100"	134"	#10	89"	83"	77"	103"
#11	128"	118"	110"	147"	#11	98"	91"	85"	113"

NOTES:
 • USE CLASS B UNLESS NOTED OTHERWISE
 • LAP SPLICES ARE FOR UNCOATED BARS

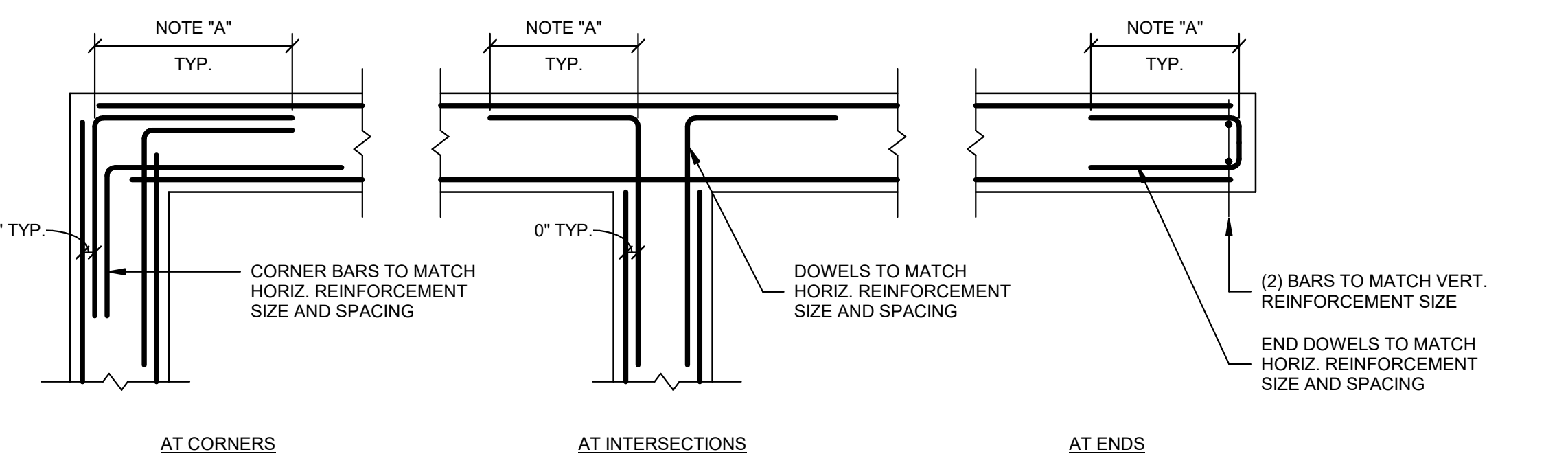
4 TYPICAL LAP LENGTH SCHEDULE
NO SCALE



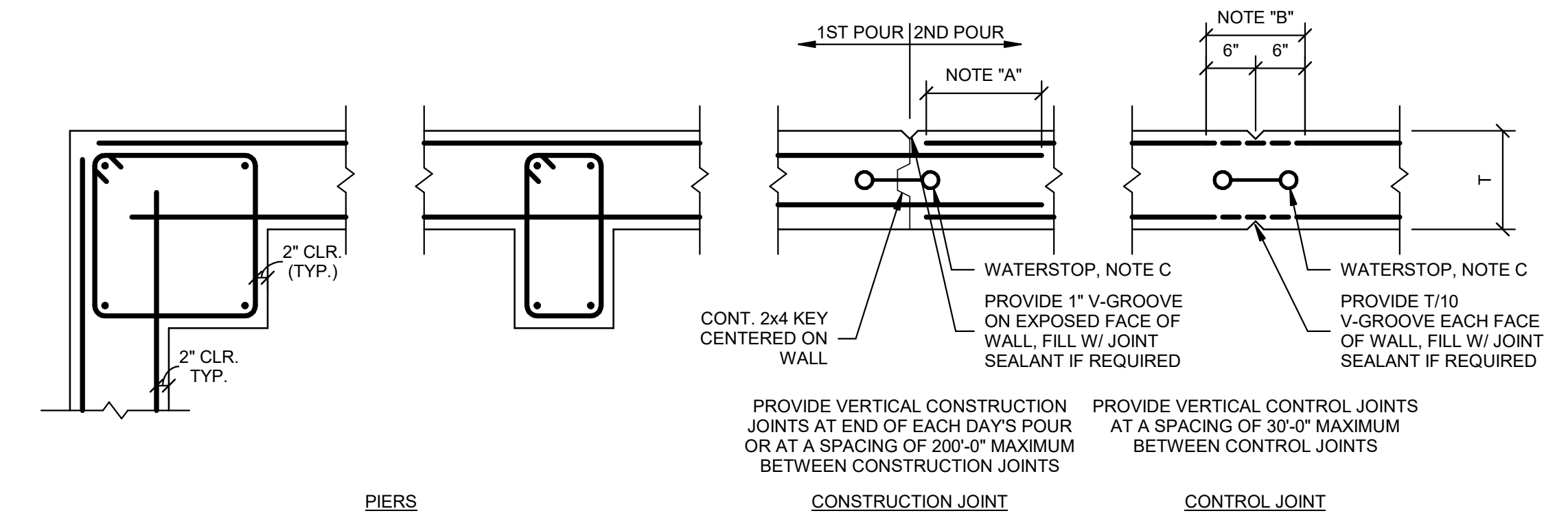
2 TYPICAL STEPPED FOOTING DETAIL
NO SCALE



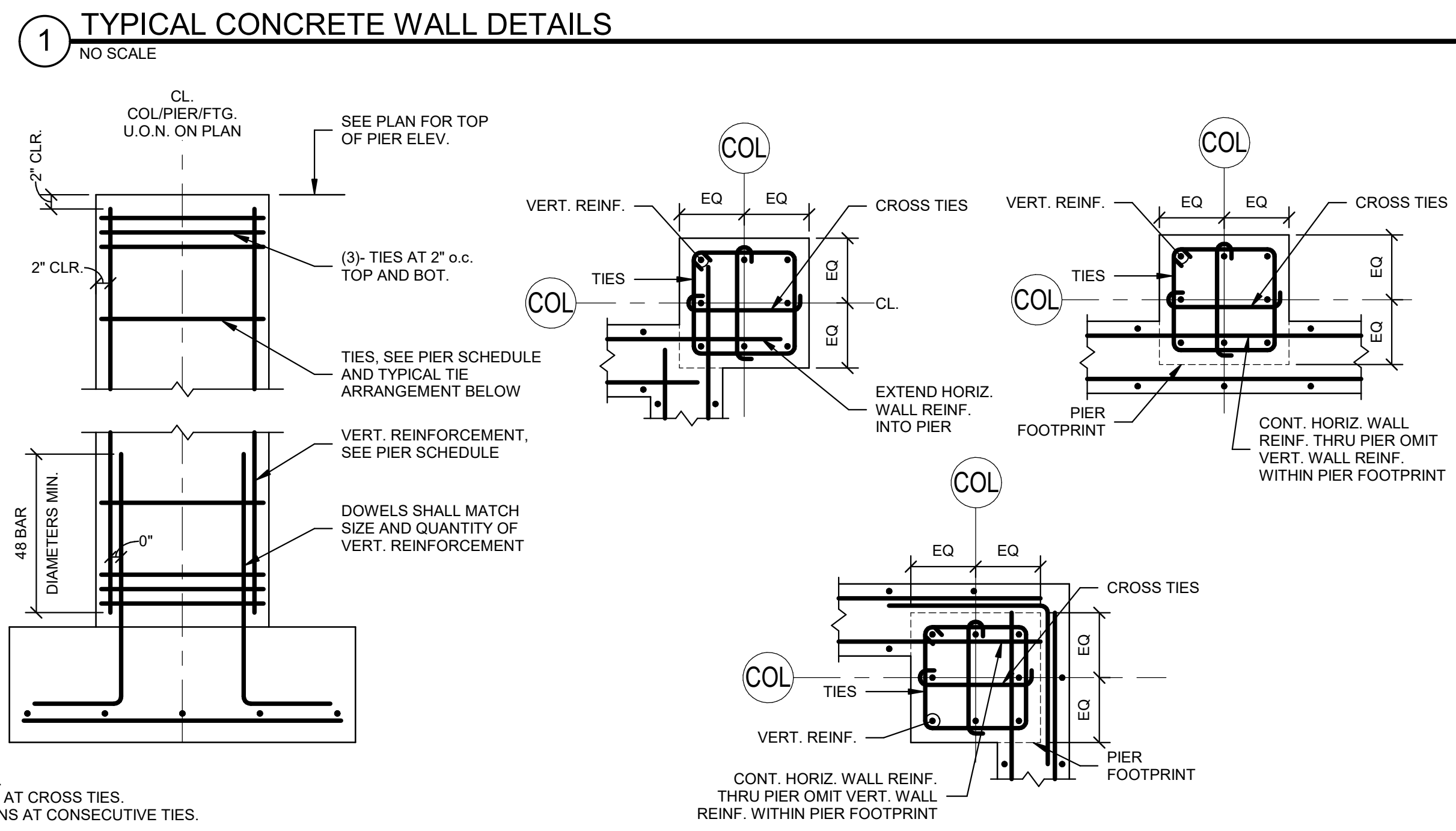
3 TYPICAL CONCRETE FOOTING DETAIL
NO SCALE



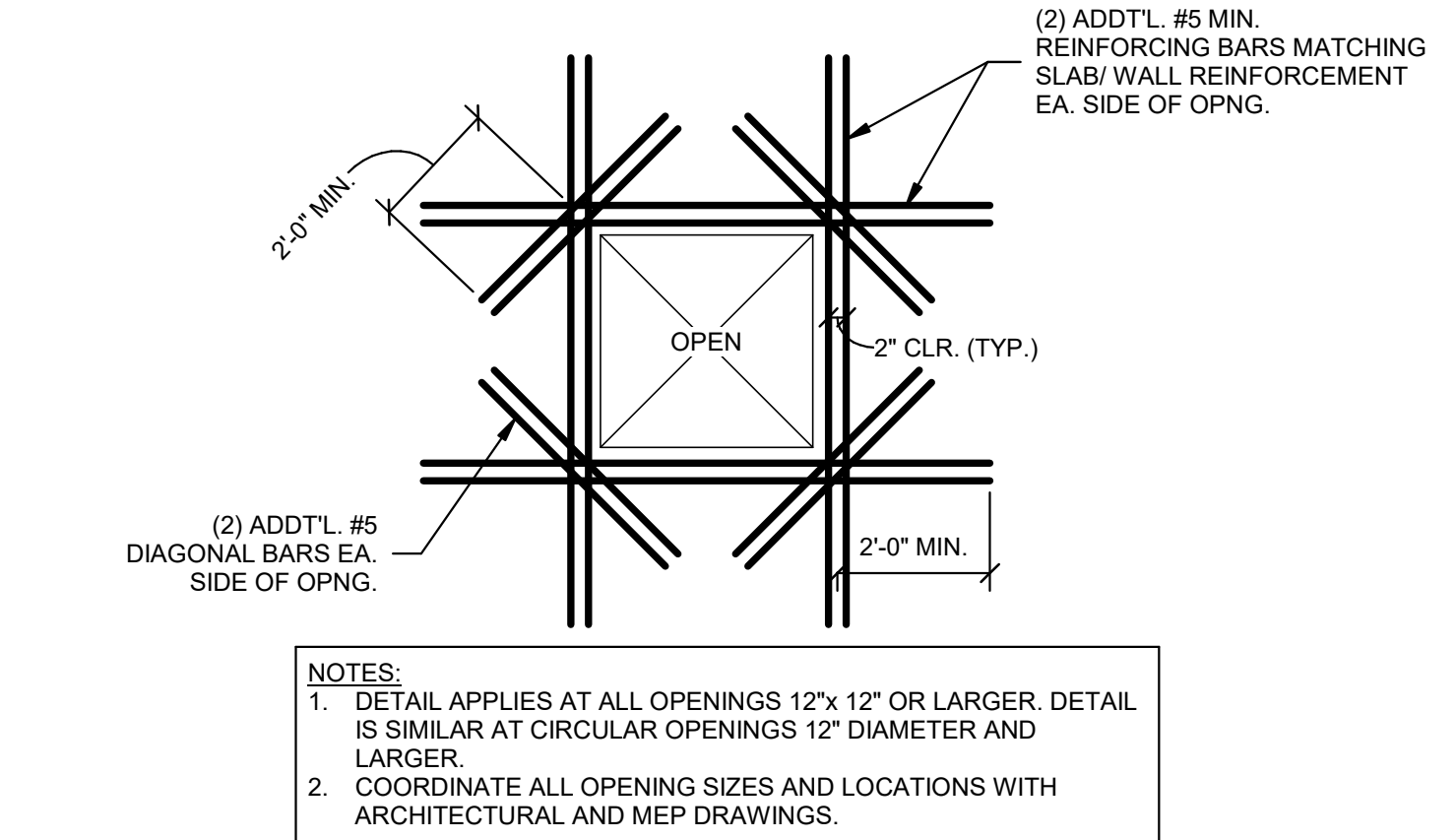
1 TYPICAL CONCRETE WALL DETAILS
NO SCALE



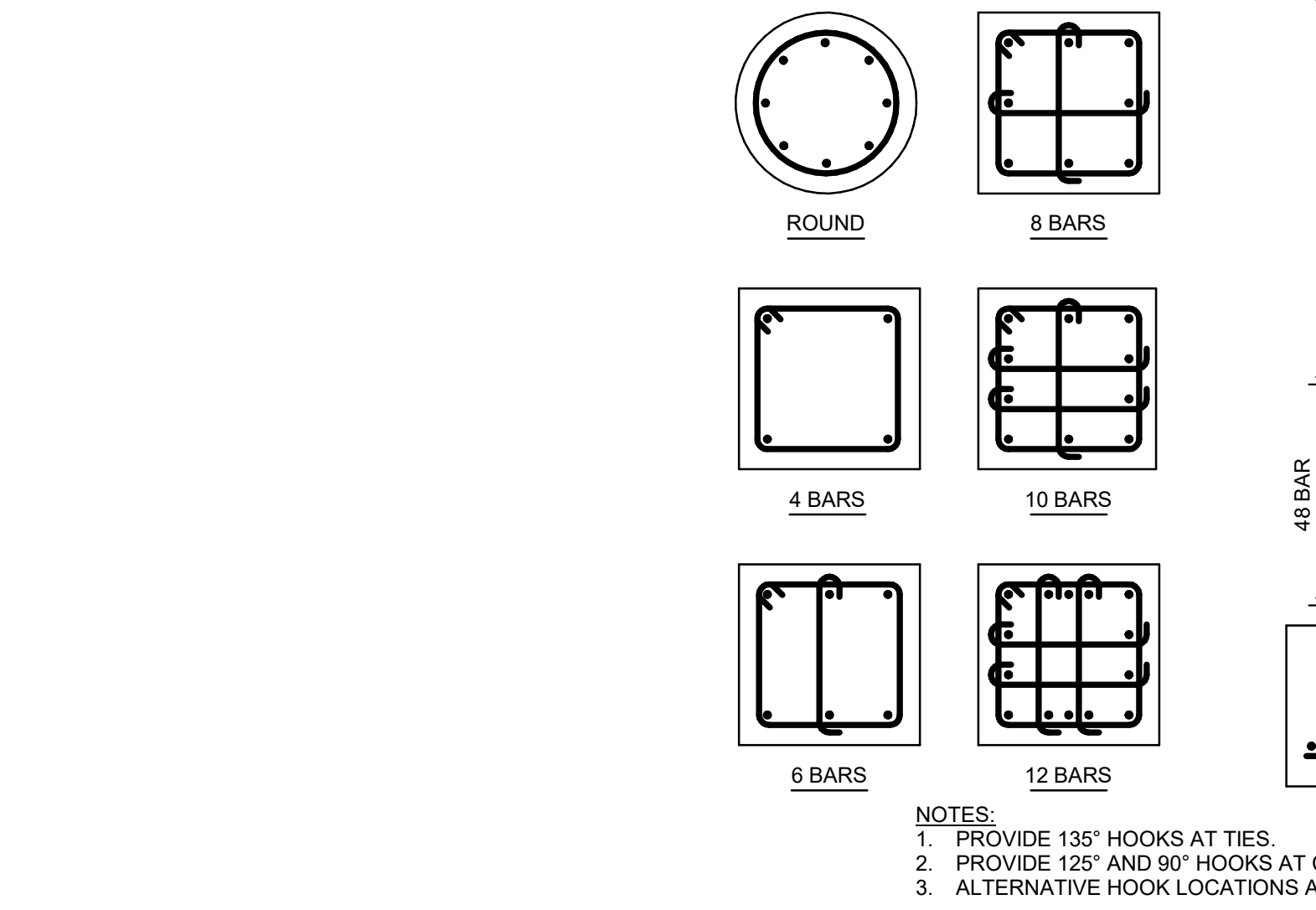
NOTES:
 A. PROVIDE CLASS "B" TENSION LAP SPLICE WITH 40 BAR DIAMETERS MIN.
 B. AT CONTROL JOINT, INTERRUPT ALTERNATING HORIZONTAL REINFORCEMENT 6" SHORT OF JOINT.
 C. PROVIDE SPLIT FLANGE, [BENTONITE] OR OTHER APPROVED WATER STOP U.N.O. G.C. TO PROVIDE SUBMITTAL FOR APPROVAL.



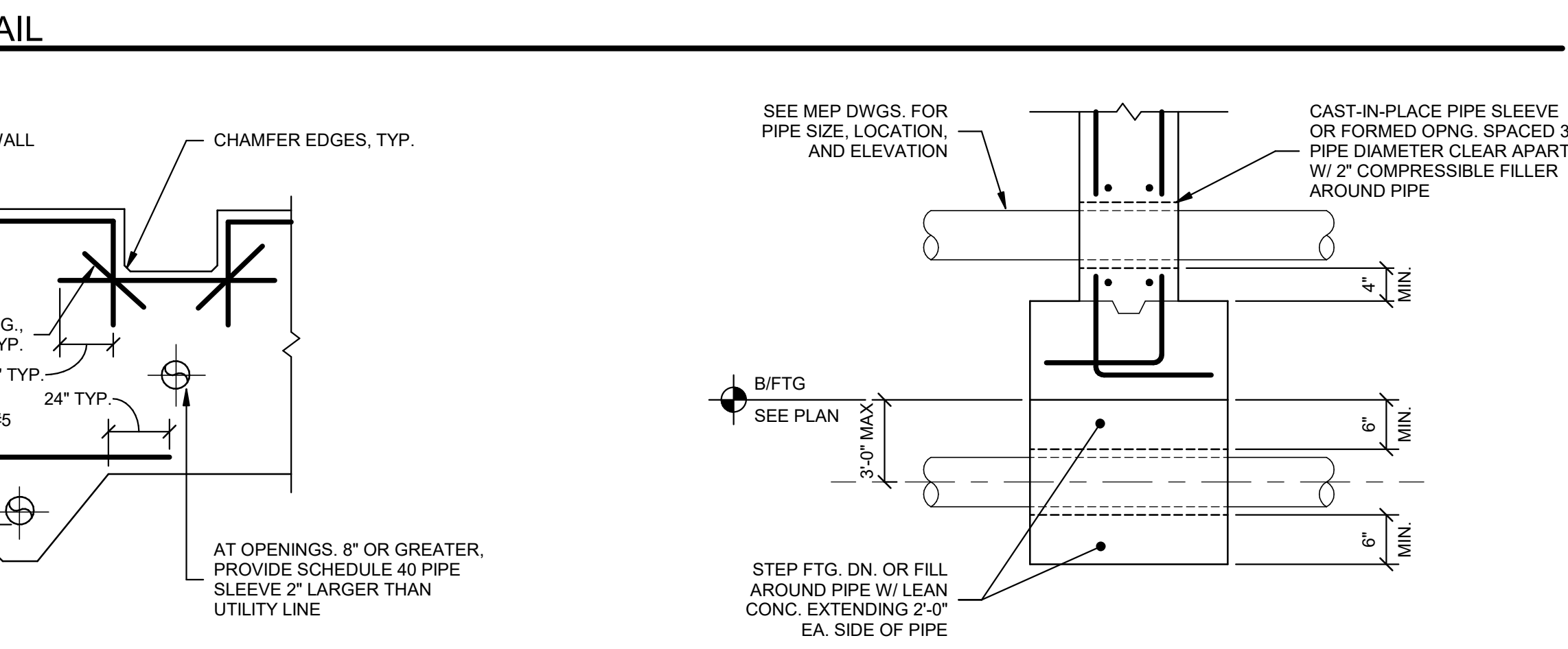
6 TYPICAL PIPE PENETRATION DETAIL
NO SCALE



9 TYPICAL CONCRETE SLAB/ WALL PENETRATION DETAIL
NO SCALE



8 TYPICAL MINIMUM BAR HOOKS DETAIL
NO SCALE



7 TYPICAL BREAKS IN CONCRETE WALL DETAIL
NO SCALE

BUDGET SET
NOT FOR CONSTRUCTION
DATE: 11/7/2020

Town of Henniker, New Hampshire
 Tucker Free Library Addition
 31 Western Ave. Henniker, NH 03242
 TYPICAL FOUNDATION DETAILS

Job No. 18160
 Scale NO SCALE
 Drawn By LPCJ/JW
 Rev'd By PES
 Date XXXXXX
 Revised

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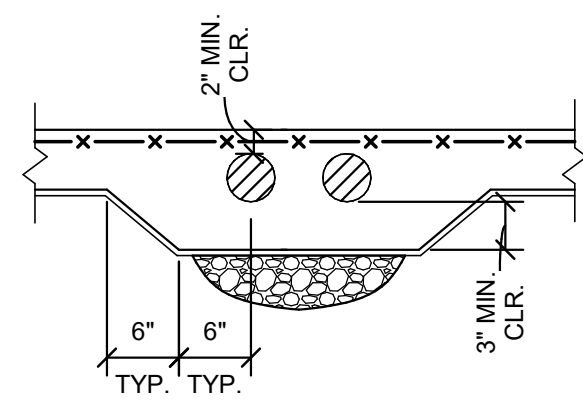
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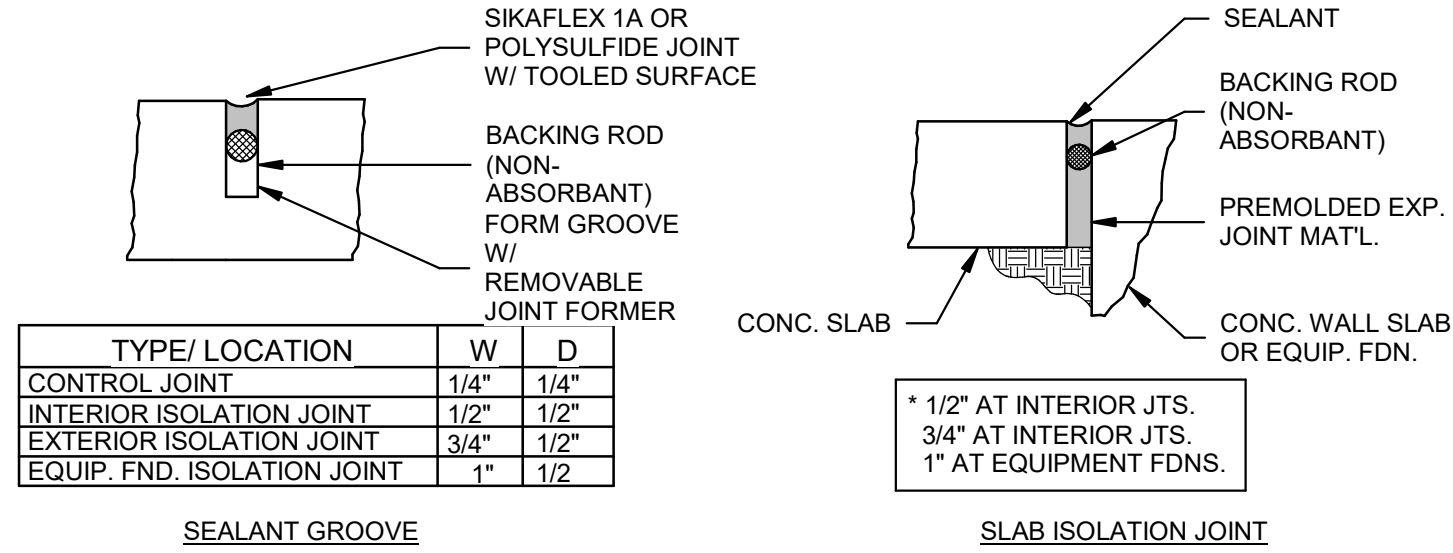
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TEM
 STRUCTURAL
 Engineers

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4 TYPICAL PIPE/CONDUIT IN SLAB DETAIL
NO SCALE



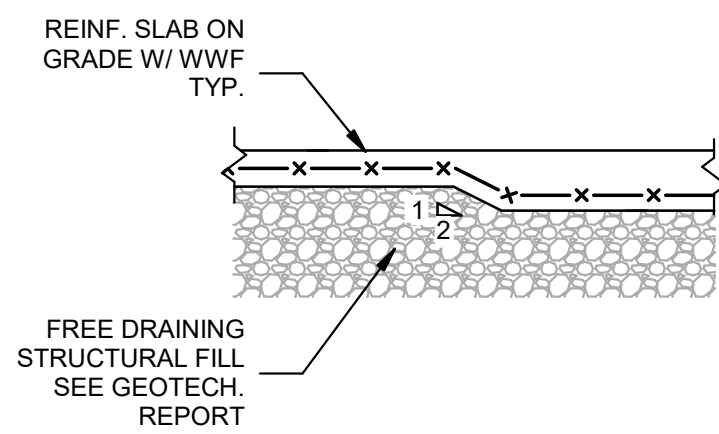
TYPE/LOCATION	W	D
CONTROL JOINT	1/4"	1/4"
INTERIOR ISOLATION JOINT	1/2"	1/2"
EXTERIOR ISOLATION JOINT	3/4"	1/2"
EQUIP. FND. ISOLATION JOINT	1"	1/2"

SEALANT GROOVE

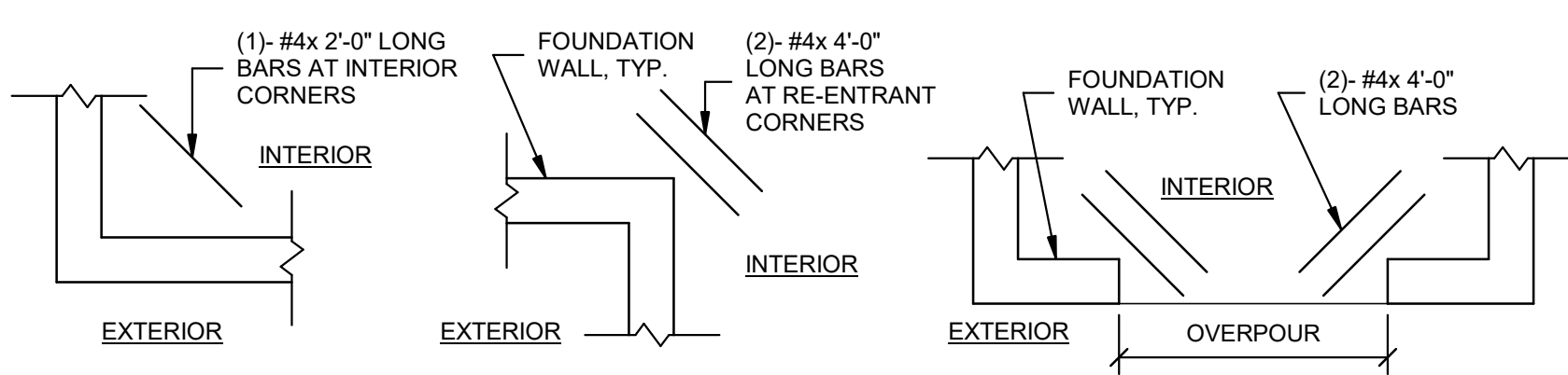
SLAB ISOLATION JOINT

* 1/2" AT INTERIOR JTS.
3/4" AT INTERIOR JTS.
1" AT EQUIPMENT FDN.

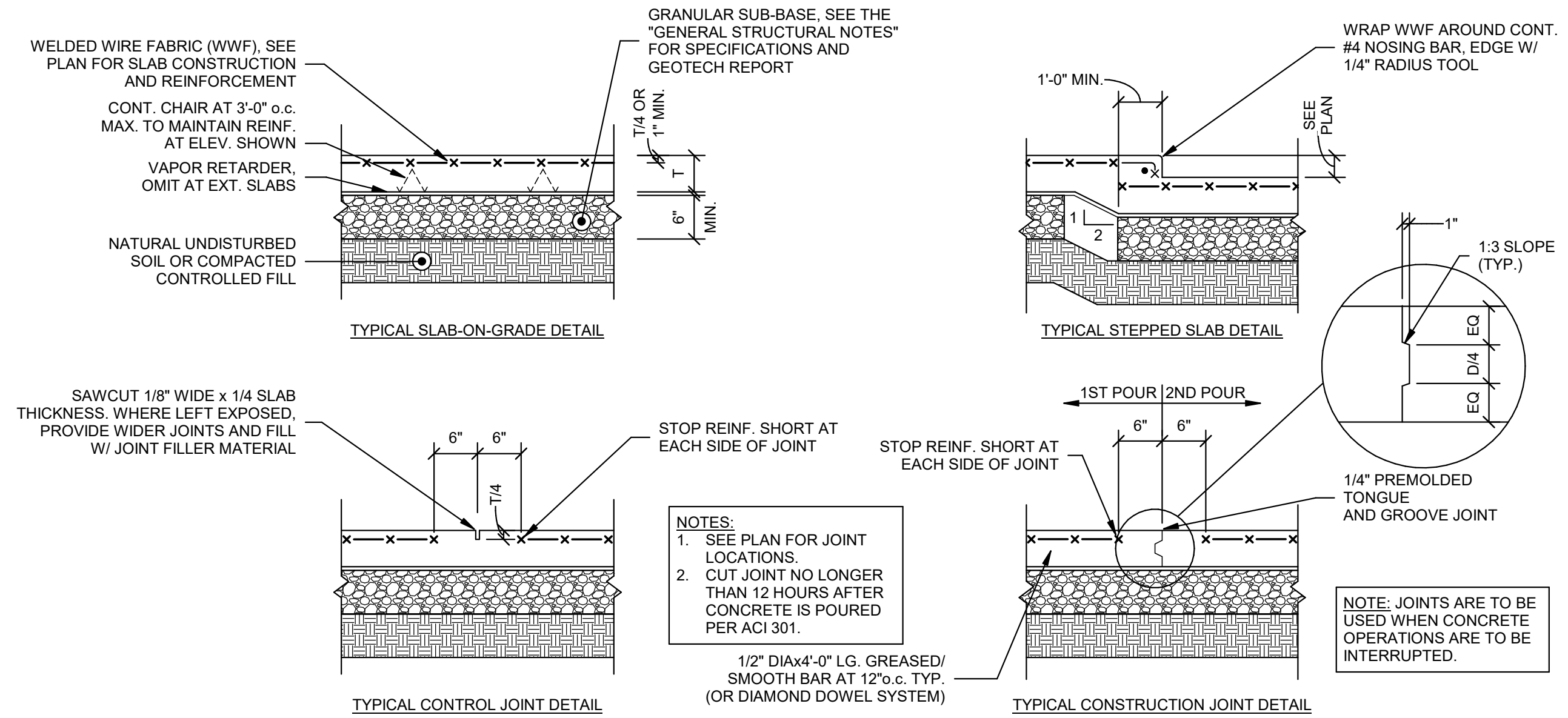
2 TYPICAL JOINT FILLER DETAILS
NO SCALE



5 TYPICAL SLAB TRANSITION
3/4" = 1'-0"



3 TYPICAL SLAB ON GRADE CORNER DETAILS
NO SCALE



TYPICAL SLAB-ON-GRADE DETAIL

TYPICAL STEPPED SLAB DETAIL

TYPICAL CONTROL JOINT DETAIL

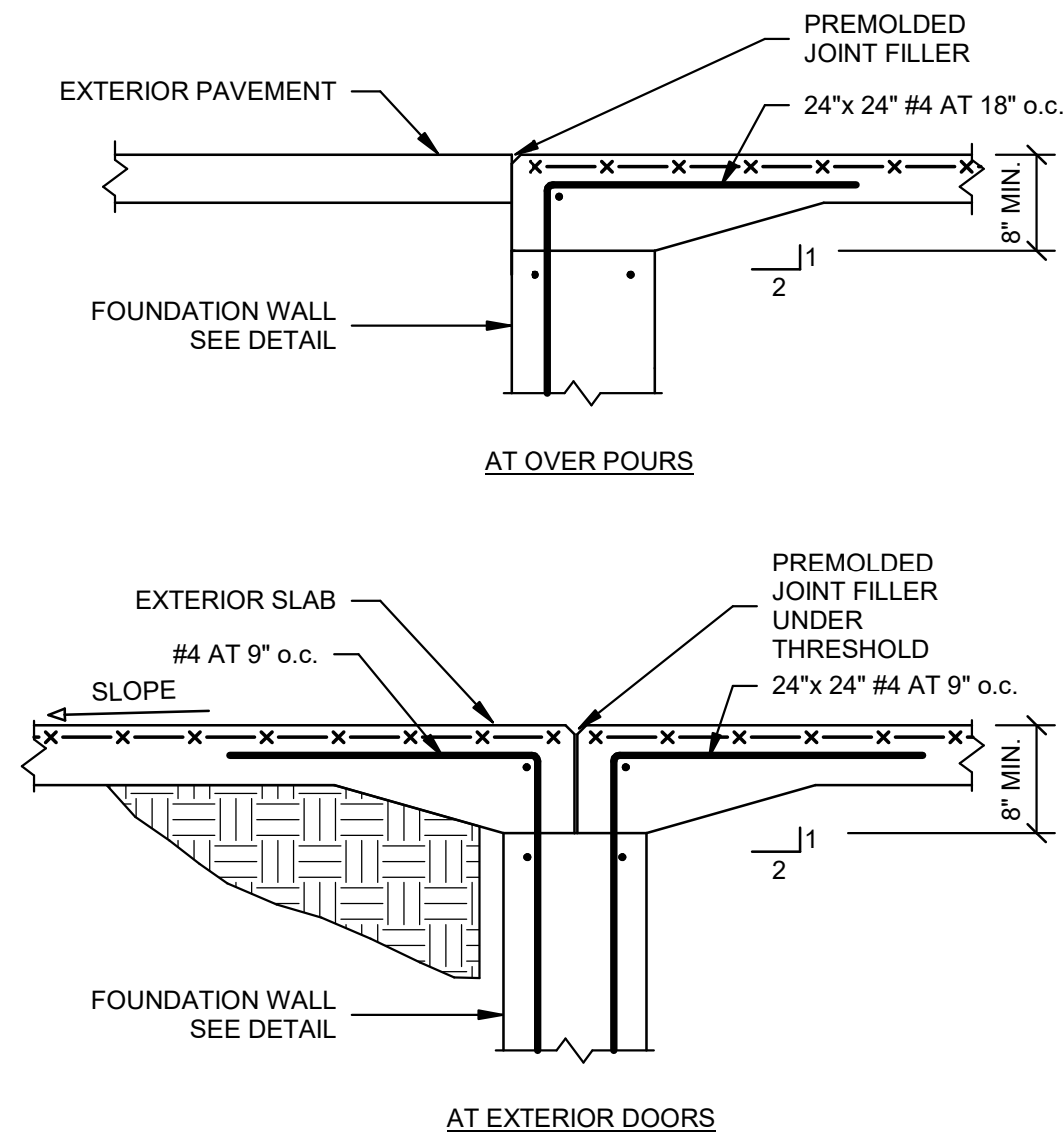
TYPICAL CONSTRUCTION JOINT DETAIL

NOTES:
1. SEE PLAN FOR JOINT LOCATIONS.
2. CUT JOINT NO LONGER THAN 12 HOURS AFTER CONCRETE IS POURED PER ACI 301.

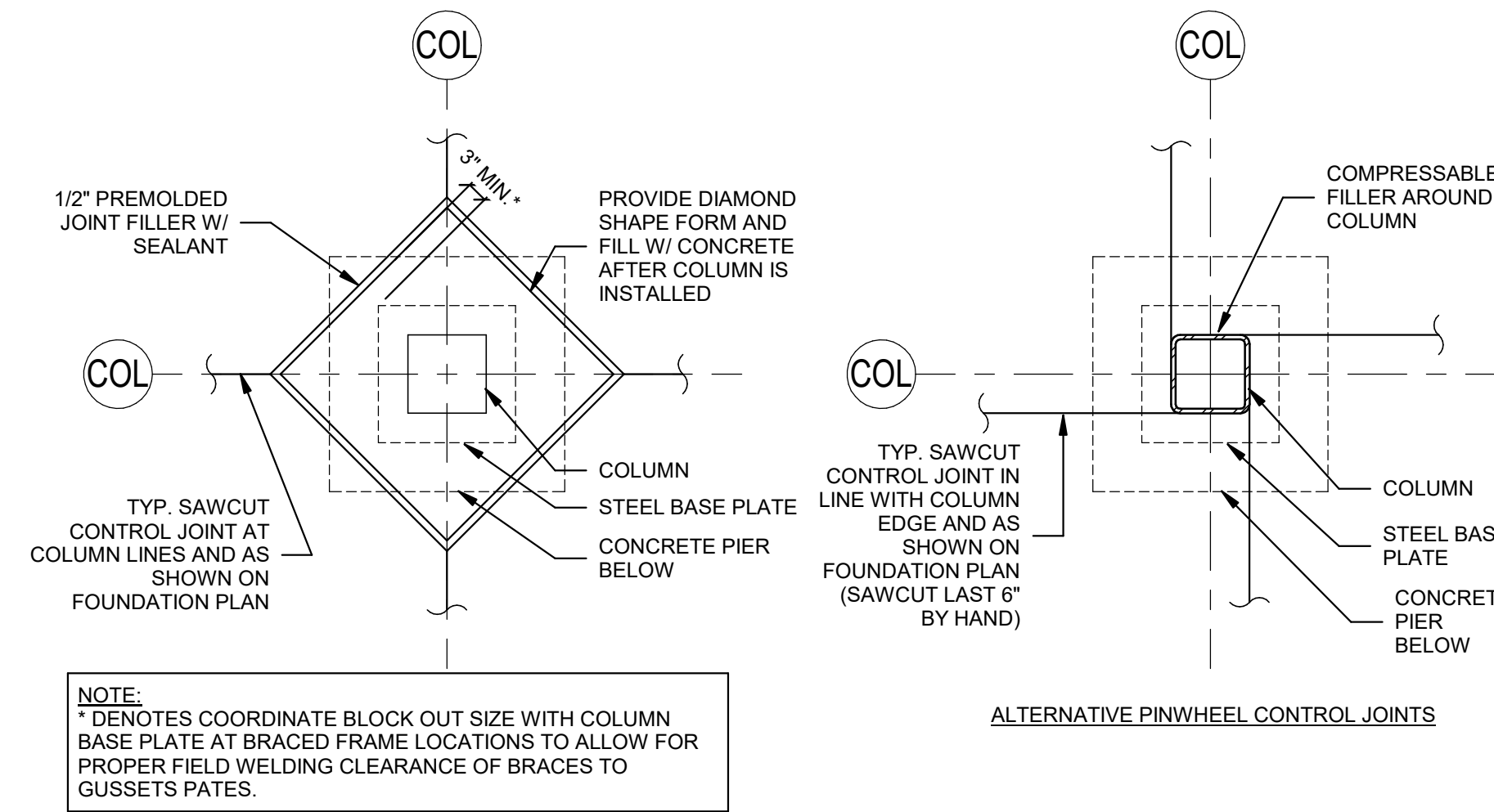
1/2" DIAx4'-0" LG. GREASED/SMOOTH BAR AT 12" o.c. TYP. (OR DIAMOND DOWEL SYSTEM)

NOTE: JOINTS ARE TO BE USED WHEN CONCRETE OPERATIONS ARE TO BE INTERRUPTED.

1 TYPICAL SLAB ON GRADE DETAILS
NO SCALE



7 TYPICAL OVER POUR DETAILS
NO SCALE



6 TYPICAL COLUMN ISOLATION DETAIL
NO SCALE

BUDGET SET
DATE: 11/7/2020
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL SLAB ON GRADE DETAILS

Job No. 18160
Scale NO SCALE
Drawn By LPC3/JW
Rev'd By PES
Date XXXXXX
Revised

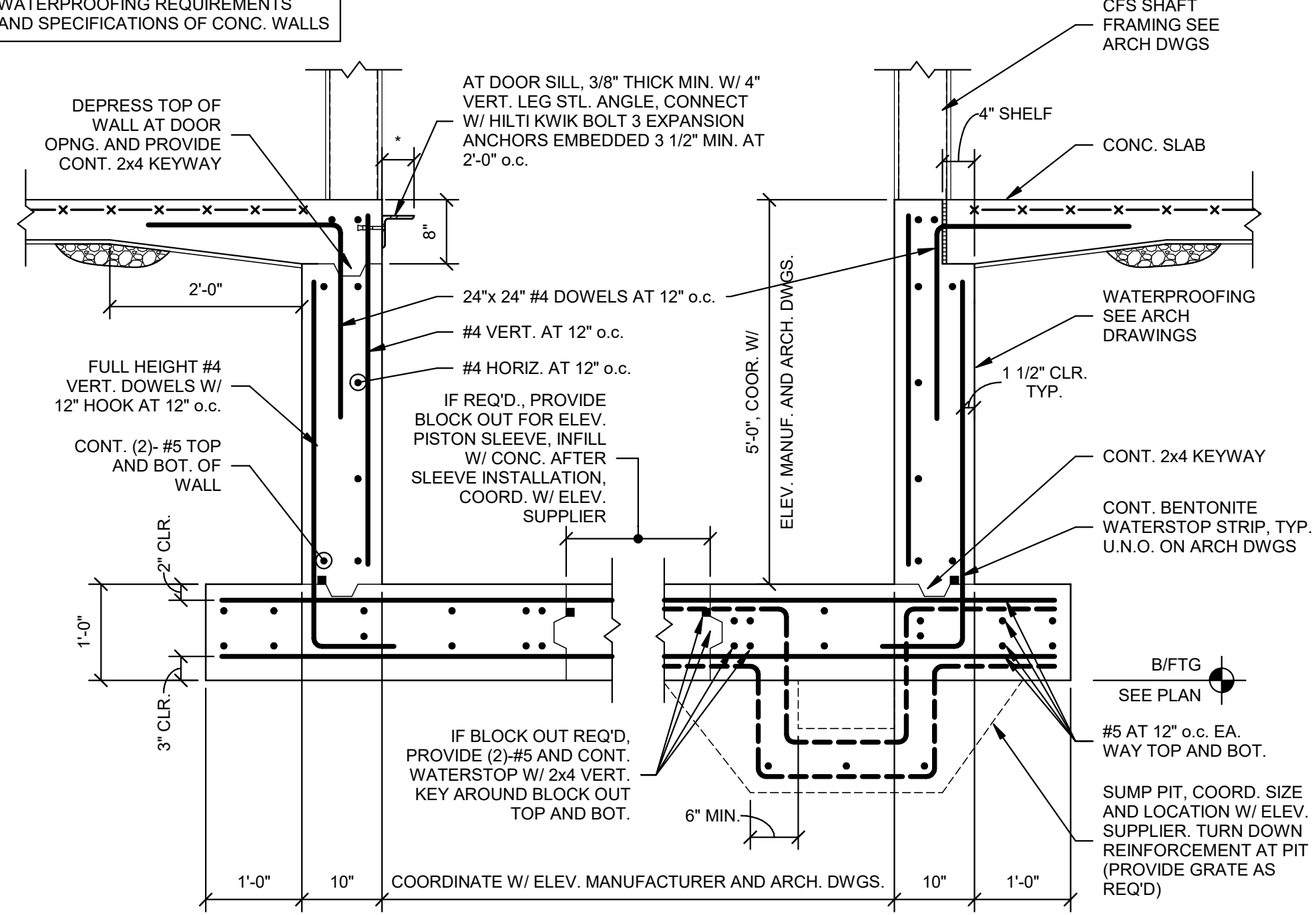
FOR BUDGET ONLY

S302

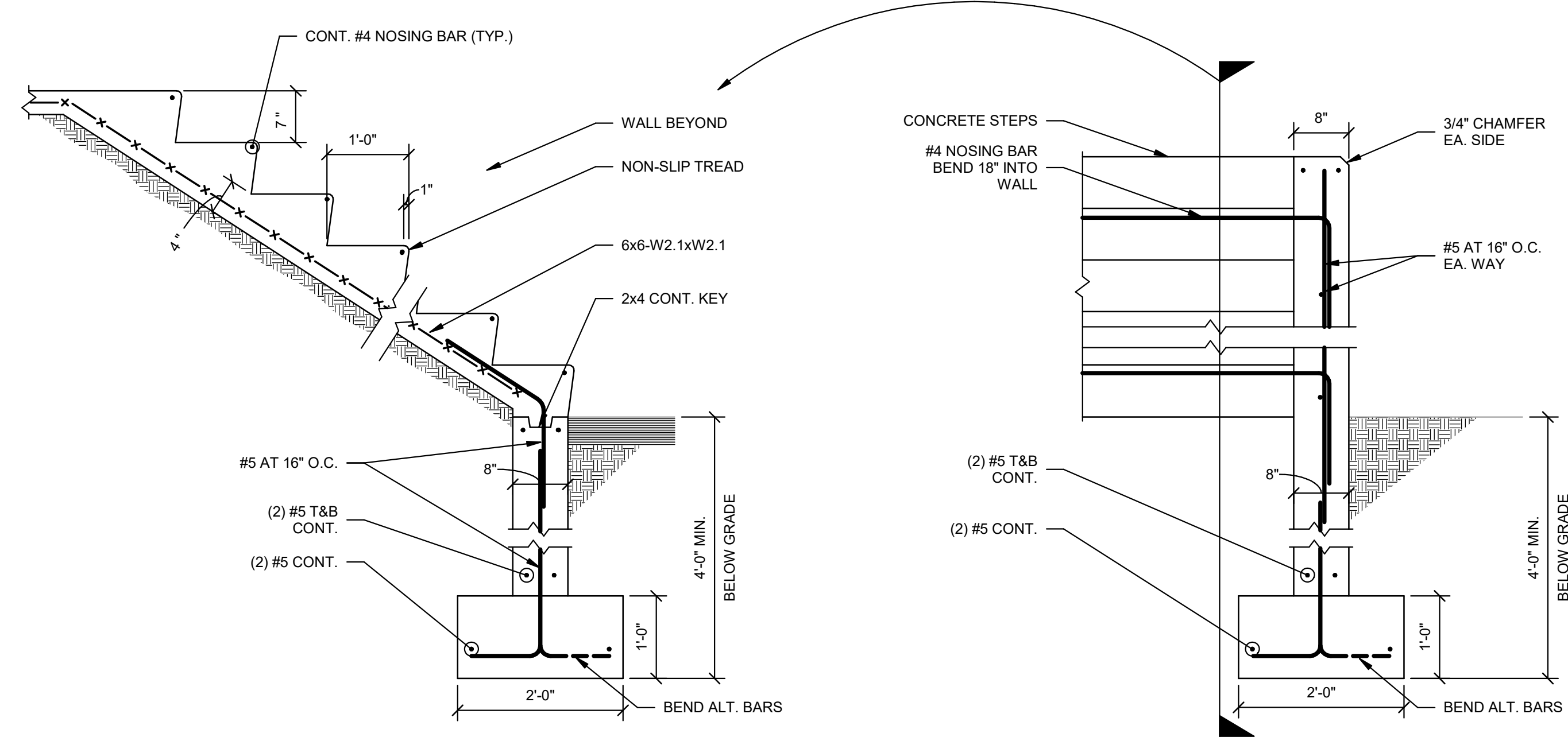
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NOTE:
 1" DENOTES CONTRACTOR TO
 COORDINATE W/ ELEV. SUPPLIER

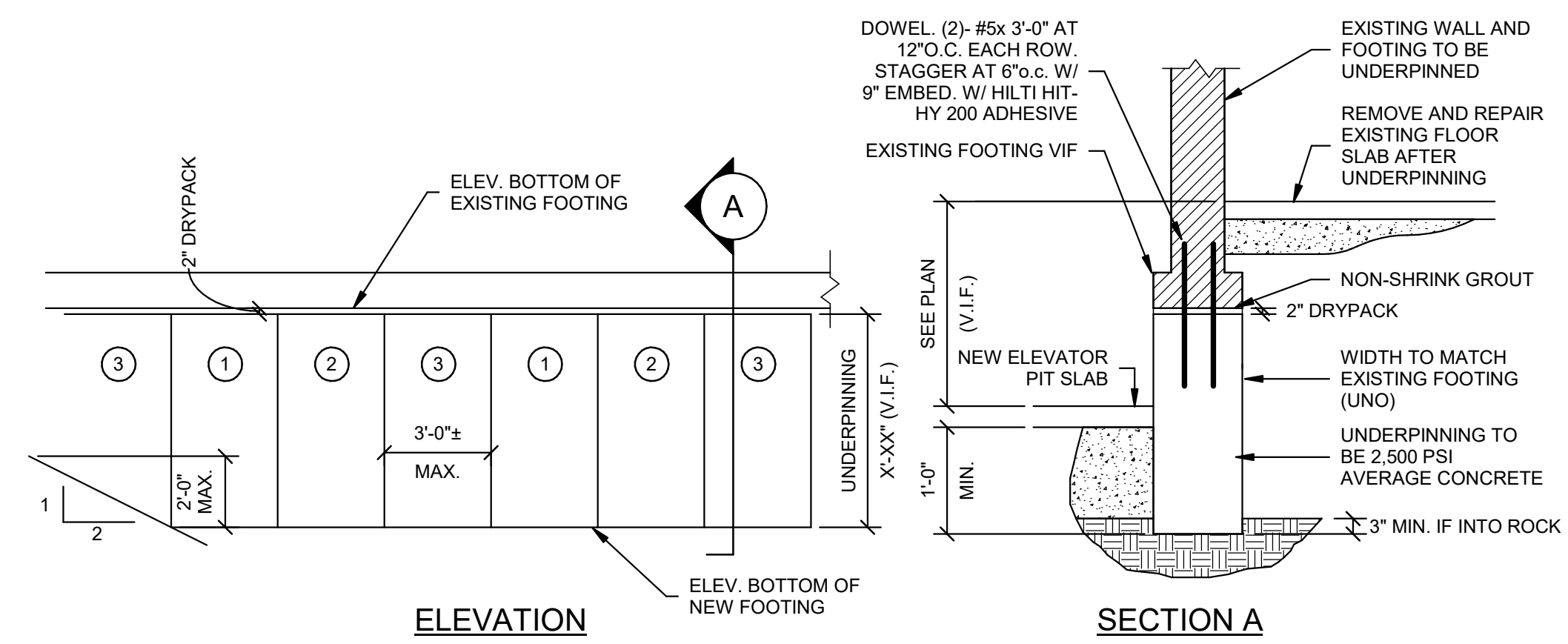
NOTE:
 SEE ARCH. DWGS. FOR
 WATERPROOFING REQUIREMENTS
 AND SPECIFICATIONS OF CONC. WALLS



2 TYPICAL ELEVATOR PIT DETAILS
 NO SCALE



1 TYPICAL CONCRETE STAIR DETAIL
 NO SCALE



NOTES:
 1. UNDERPIN EXISTING FOOTINGS WITH 2,500 PSI CONCRETE.
 2. INSTALL UNDERPINNING IN 3'-0" WIDE SECTIONS.
 3. SEQUENCE OF INSTALLATION TO FOLLOW DETAIL ABOVE.
 4. ALLOW 48 HOURS BETWEEN POURS 1 & 2 AND POURS 2 & 3.

3 TYPICAL UNDERPINNING DETAILS
 NO SCALE

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Town of Henniker, New Hampshire
 Tucker Free Library Addition
 31 Western Ave. Henniker, NH 03242
 MISC. CONCRETE DETAILS

BUDGET SET
 DATE: 11/7/2020
 NOT FOR CONSTRUCTION

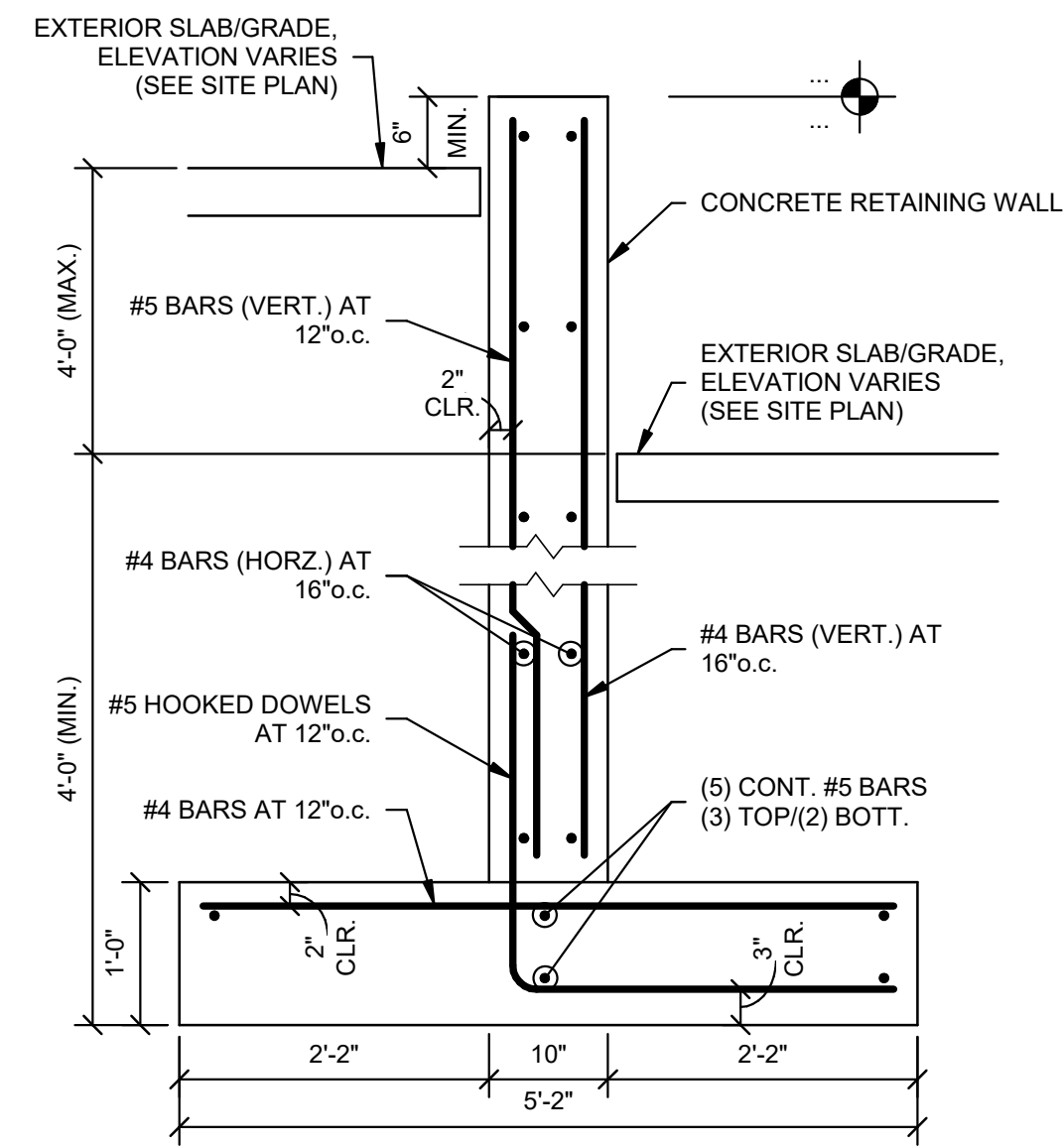
Job No. 18160
 Scale NO SCALE
 Drawn By LPC3 / JW
 Rev'd By PES
 Date 01/13/20

Revised

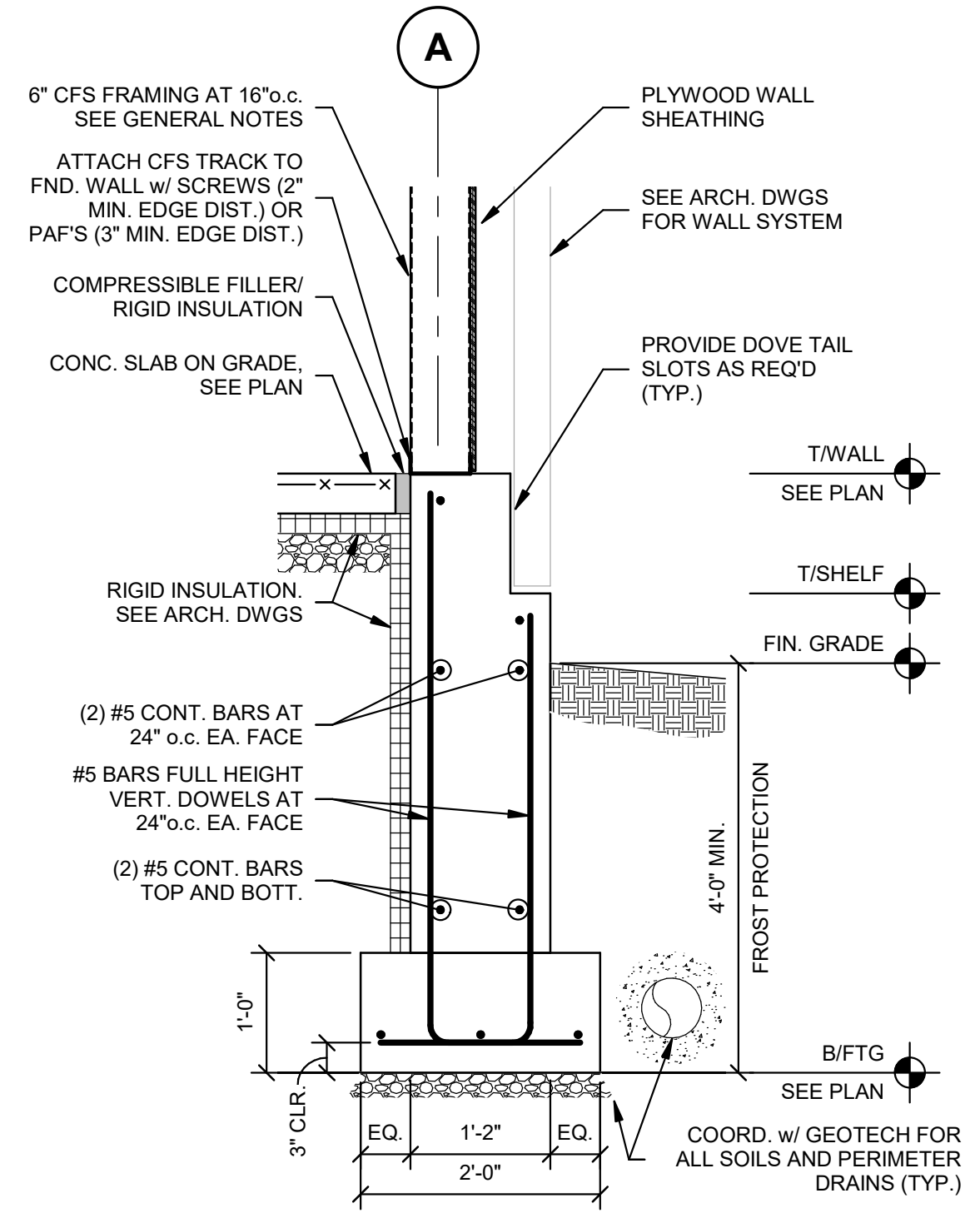
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2 TYP. EXTERIOR RETAINING WALL SECTIONS
3/4" = 1'-0"



1 TYPICAL FOUNDATION SECTION
3/4" = 1'-0"

BUDGET SET
DATE: 11/7/2020
NOT FOR CONSTRUCTION

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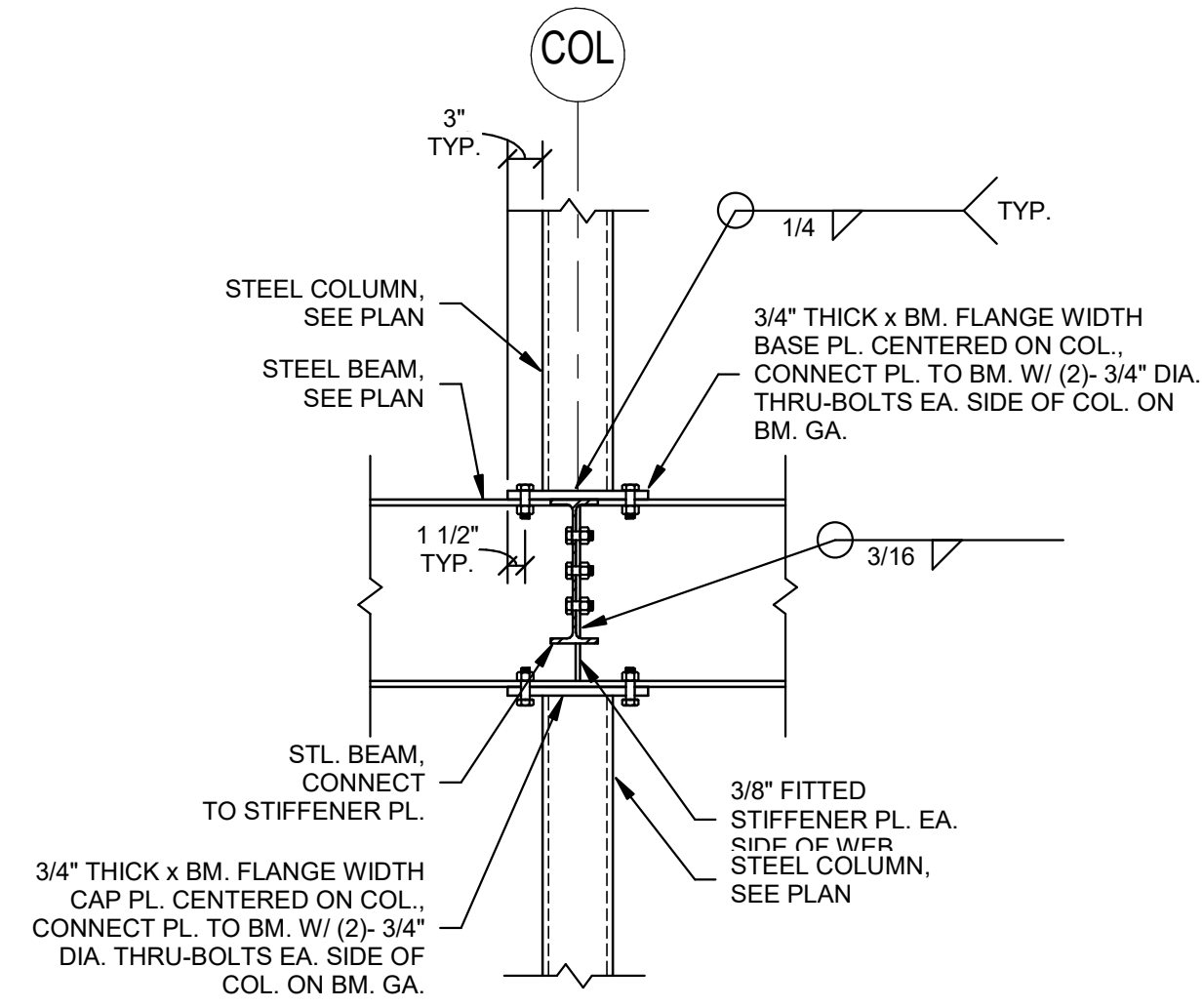
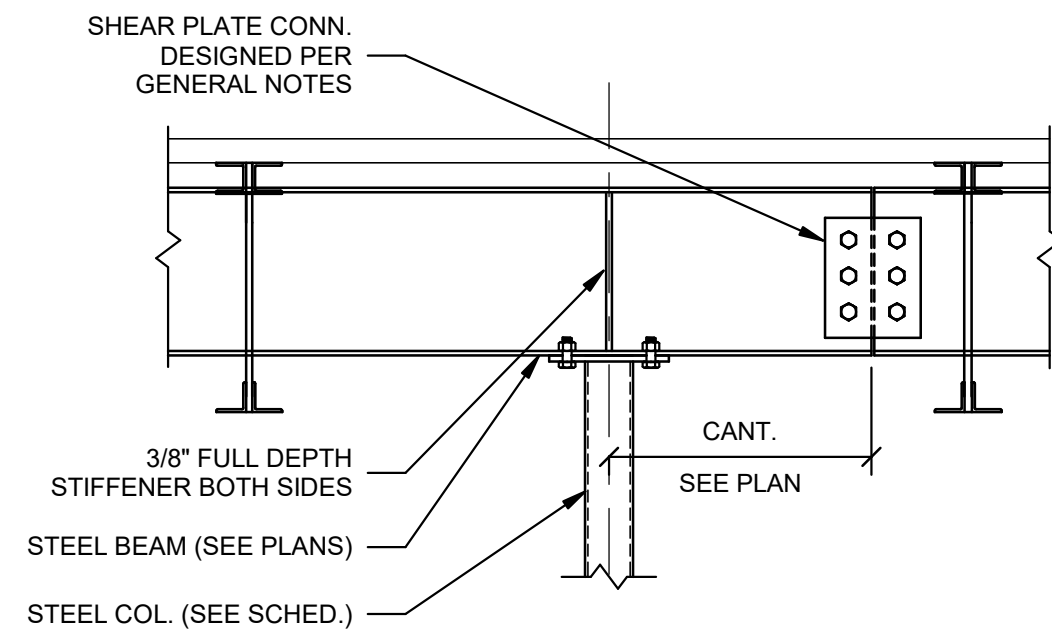
Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
FOUNDATION SECTIONS

Job No. 18160
Scale 3/4" = 1'-0"
Drawn By LPC3 / JW
Rev'd By PES
Date 01/14/20

Revised

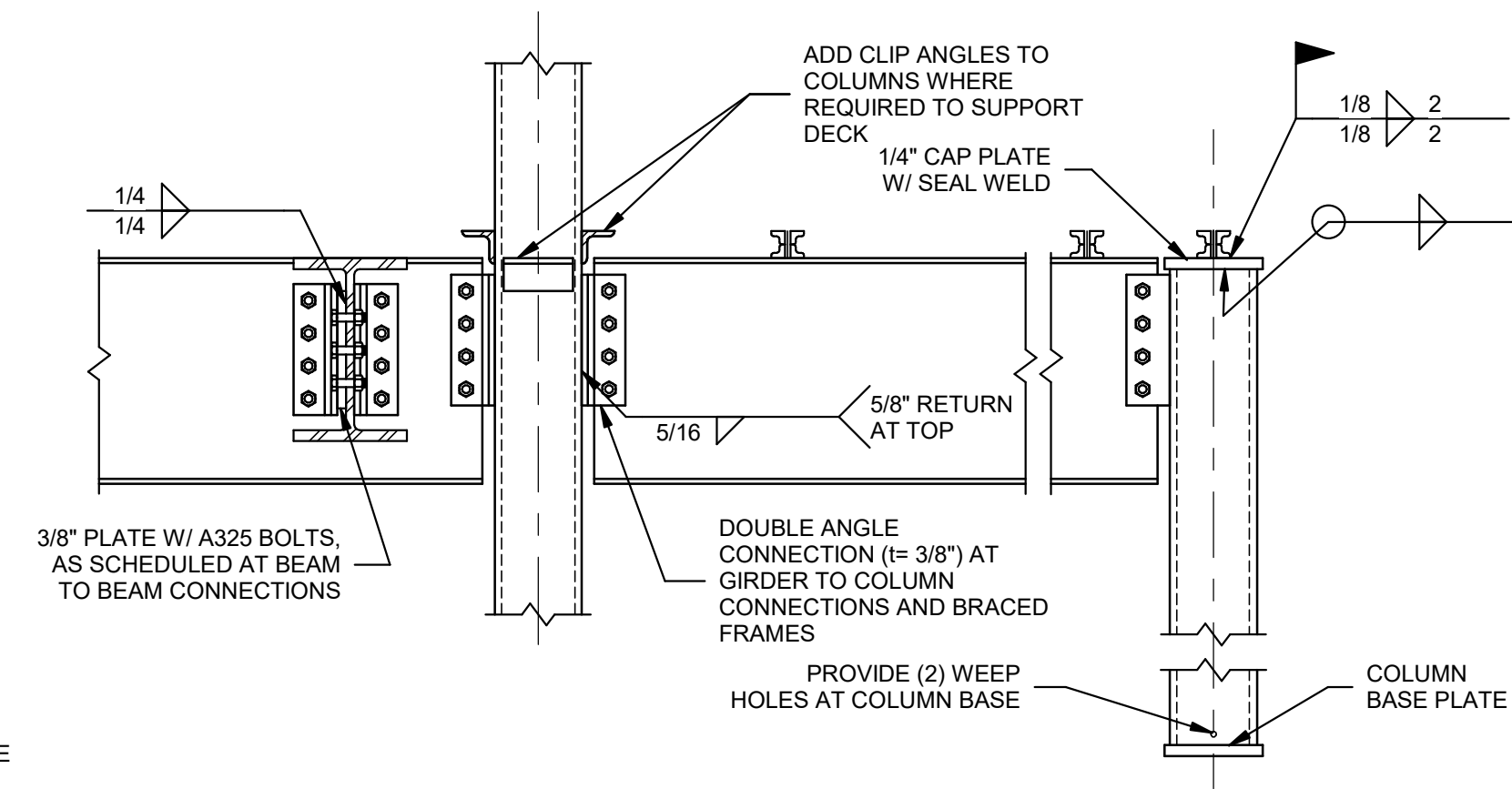
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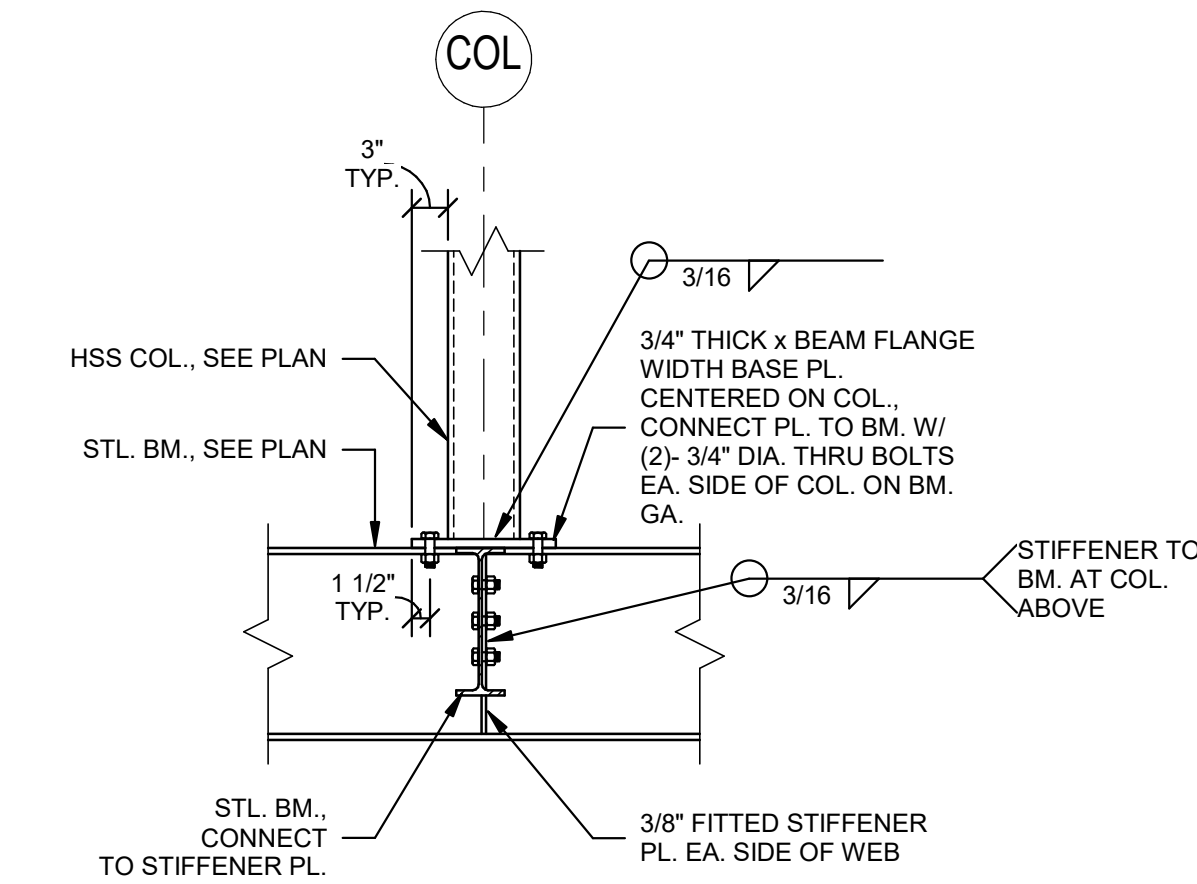


MINIMUM # OF BOLTS *	
SHAPE	QUANTITIES OF 3/4" Ø A325 BOLTS
W8, W10	2
W12, W14	3
W16	4
W18	5
W21	6
W24	7

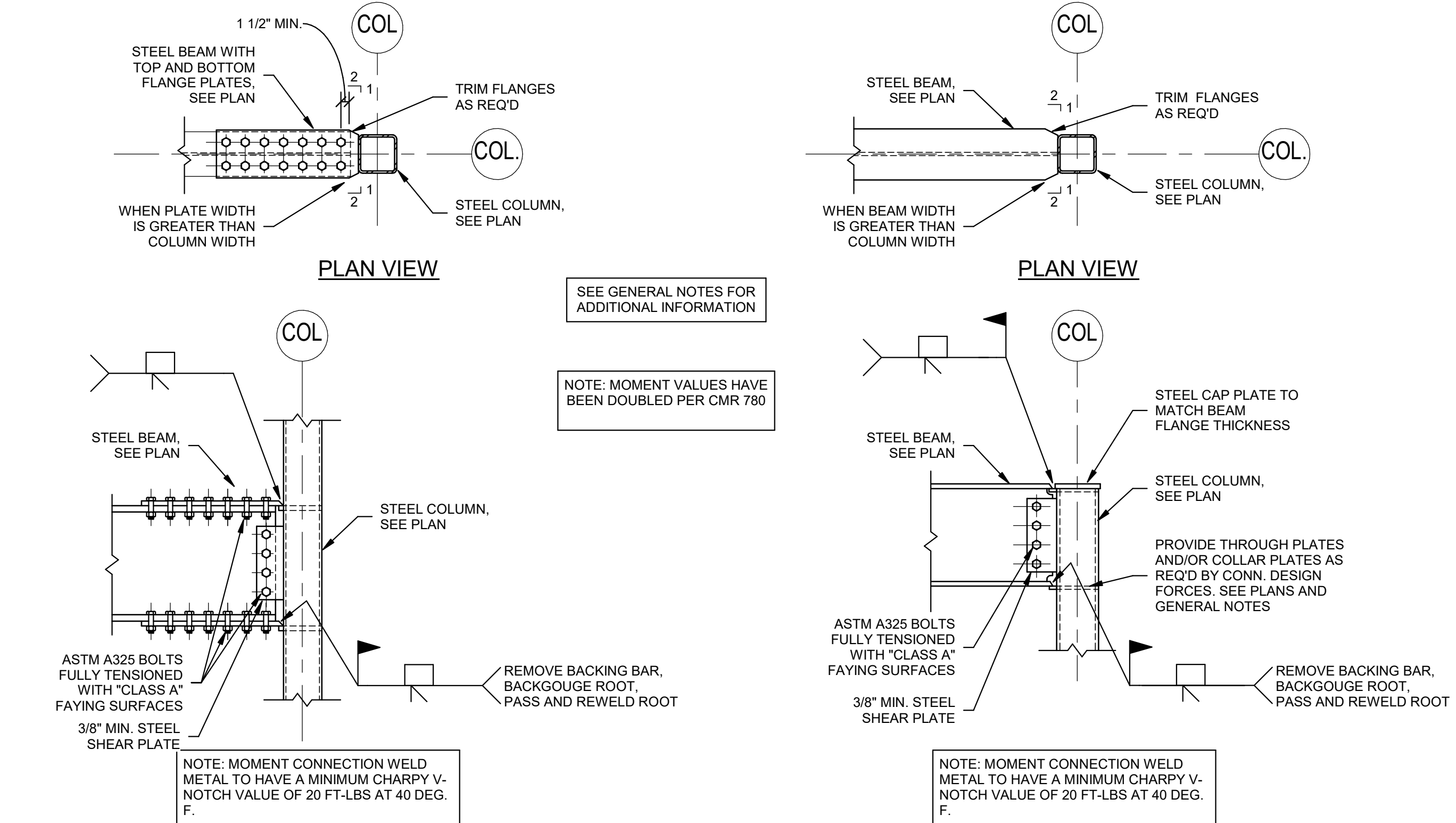
* DESIGN CONNECTION PER GENERAL NOTE REQUIREMENTS, ADDITIONAL BOLTS MAY BE REQUIRED



5 TYPICAL COLUMN BEARING ON BEAM DETAIL
NO SCALE



4 TYPICAL MOMENT CONNECTION DETAIL
NO SCALE



BUDGET SET
DATE: 11/7/2020
NOT FOR CONSTRUCTION

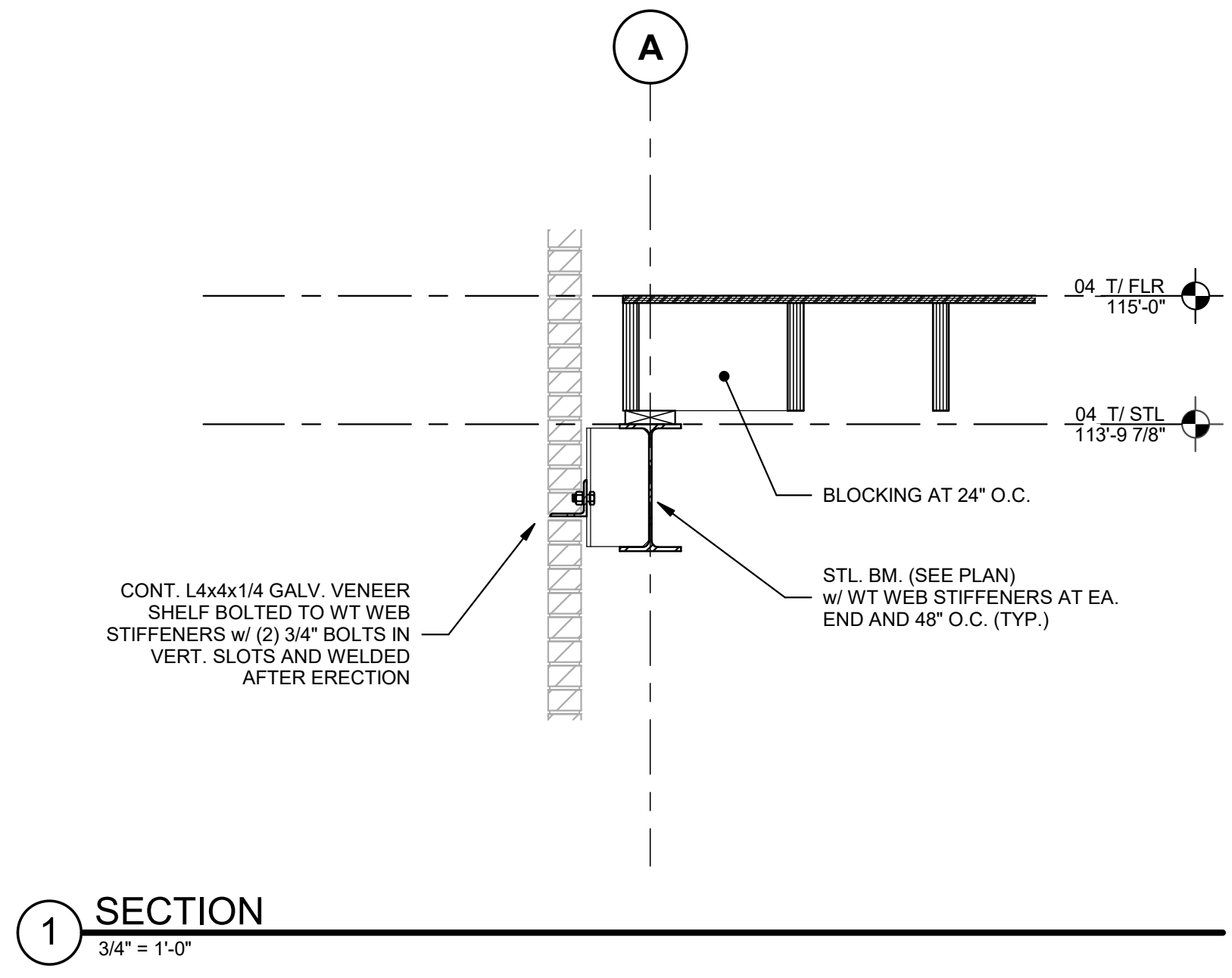
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL FRAMING DETAILS

Job No. 18160
Scale NO SCALE
Drawn By LPCJ/JW
Rev'd By PES
Date XXXXXX
Revised

FOR BUDGET ONLY

S401



BUDGET SET
DATE: 11/7/2020
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
FRAMING SECTIONS

Job No. 18160
Scale 3/4" = 1'-0"
Drawn By LPC3 / JW
Rev'd By PES
Date XXXXXX

Revised

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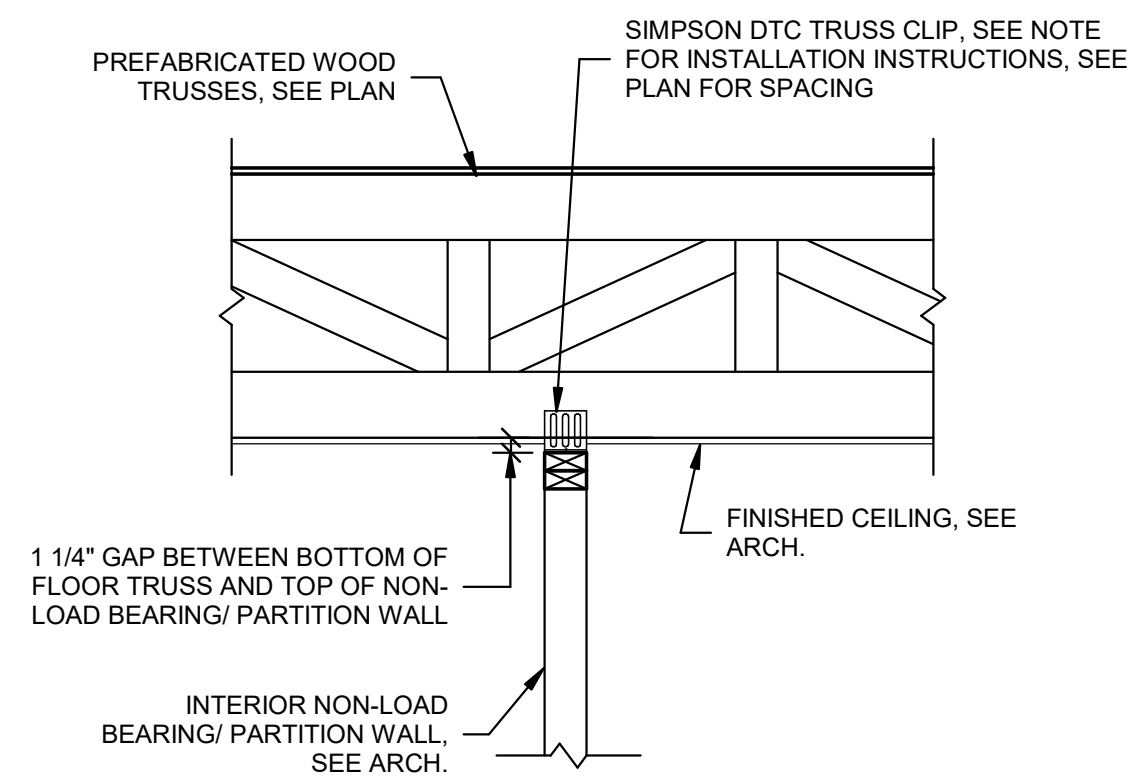


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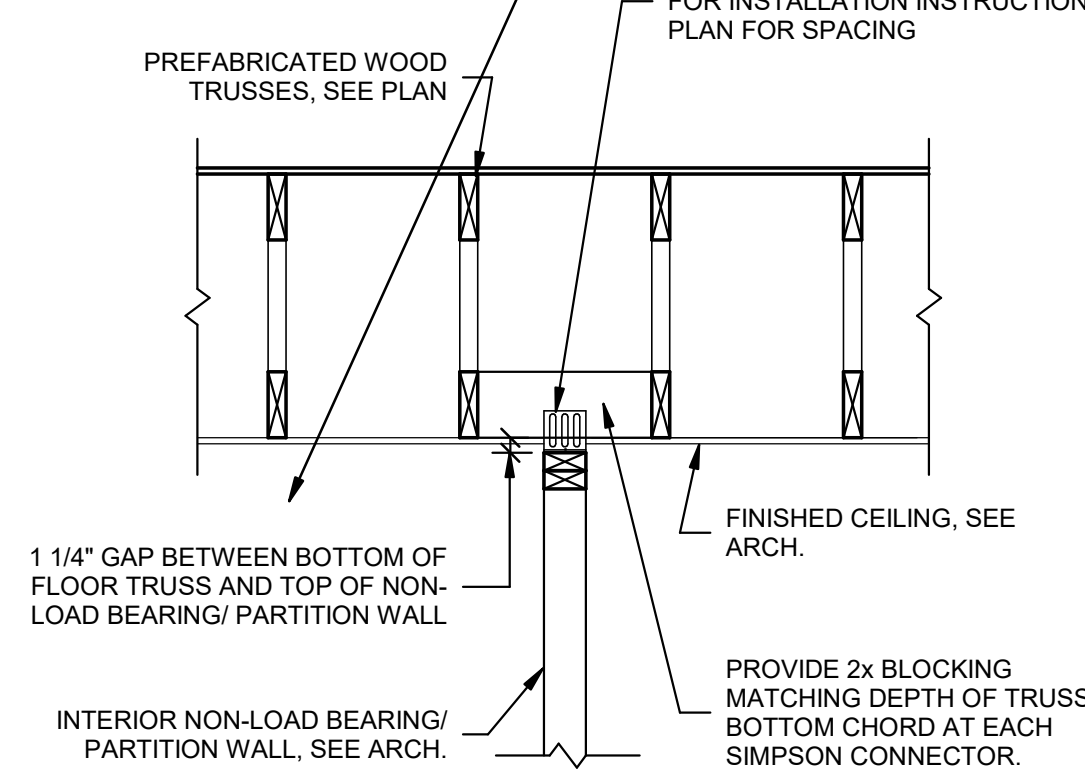
NOTE, THESE CLIPS ARE MAINLY FOR ROOF TRUSSES BECAUSE THE CLIPS MAY SQUEAK UNDER REGULAR FLOOR LOADING. SPECIFYING A NAIL HEAD GAP HELPS WITH ALLOWING DEFLECTION AND KEEPING THINGS QUIET, BUT IT MAY BE WORTH TALKING TO A CONTRACTOR/ARCHITECT AND SPECIFYING SMOOTH WASHERS.

NOTE: DO NOT DRIVE NAILS COMPLETELY FLUSH AGAINST THE VERTICAL SLOTS OF THE CONNECTOR. PROVIDE 1/16" GAP BETWEEN NAIL HEAD AND TRUSS CLIP.

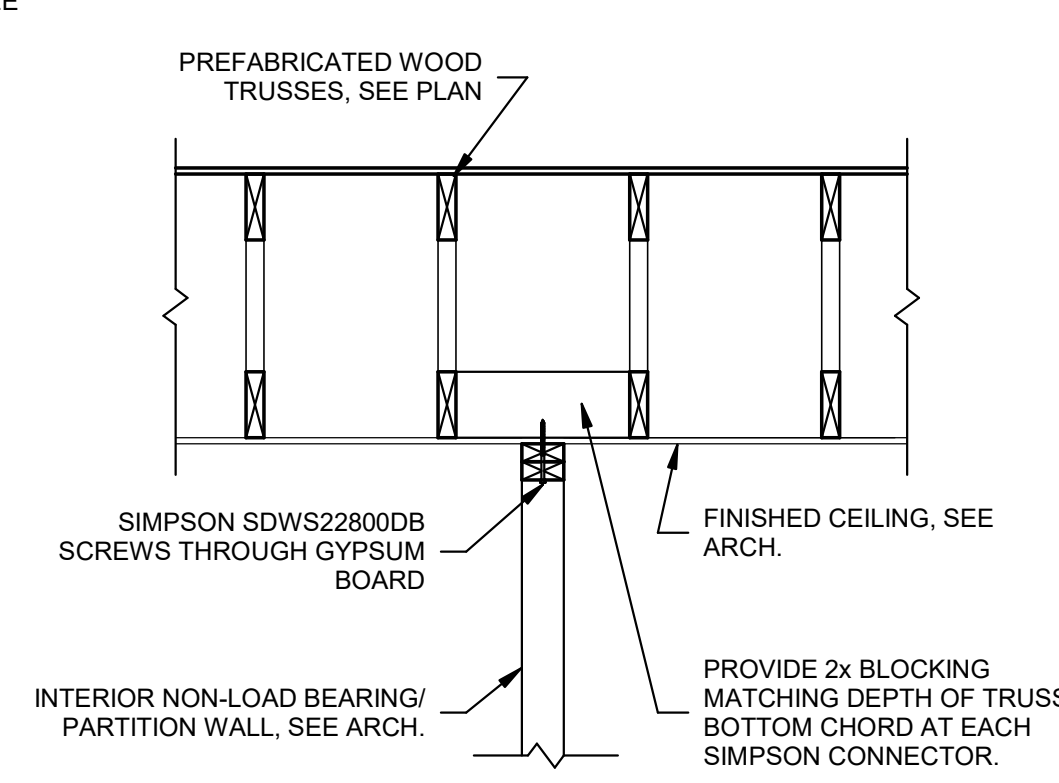
NOTE, THE SIMPSON TRUSS CLIP DOES NOT PROVIDE A STRUCTURAL CAPACITY FOR 1 1/4" GAP. ALTERNATELY, SPECIFY A SIMPSON HTC4 TRUSS CLIP TO BRACE THE PARTITION WALL. REQ'D SPACINGS = 280 LBS/CLIP / 5 PSF / (HEIGHT OF WALL/2). IF THE TRUSSES WILL DEFLECT MORE THAN 1 1/4", THE HTC4 WILL ALLOW FOUR ~2 1/2" GAP BUT WITH NO STRUCTURAL CAPACITY.



WALL PERPENDICULAR TO TRUSSES

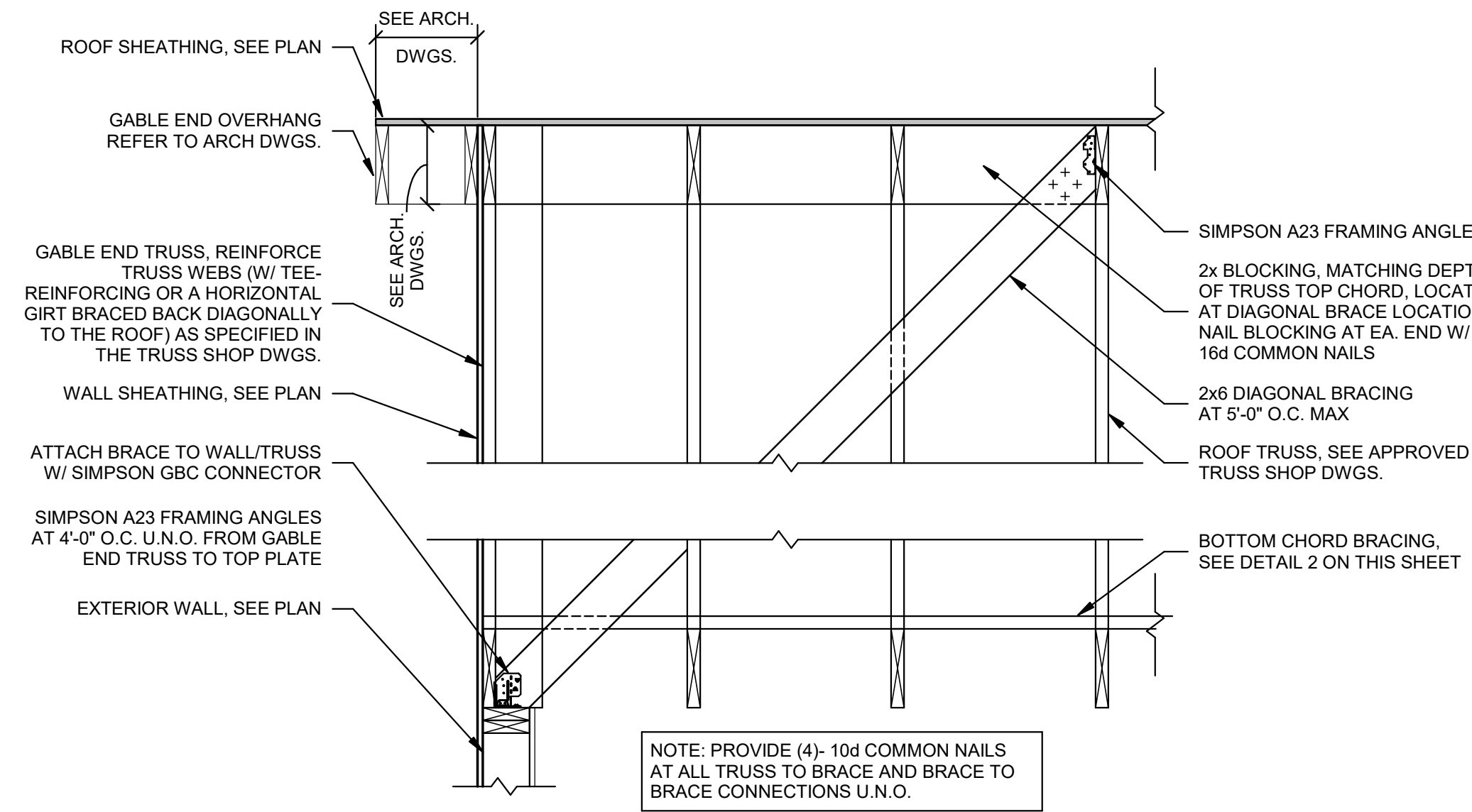


WALL PARALLEL TO TRUSSES



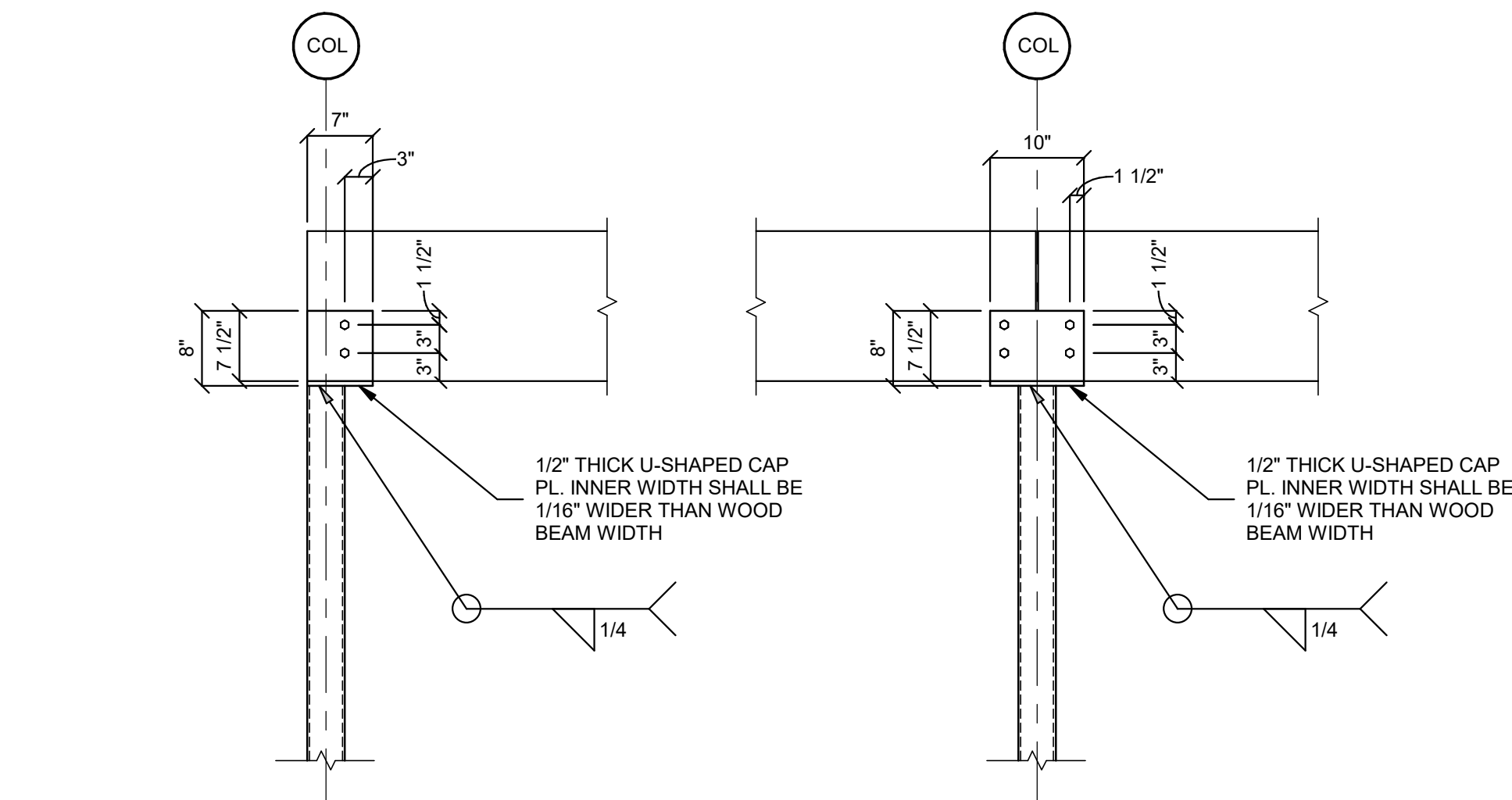
ALT. WALL PARALLEL TO TRUSSES

2 TYPICAL PARTITION WALL DEFLECTION CLIP DETAIL
NO SCALE

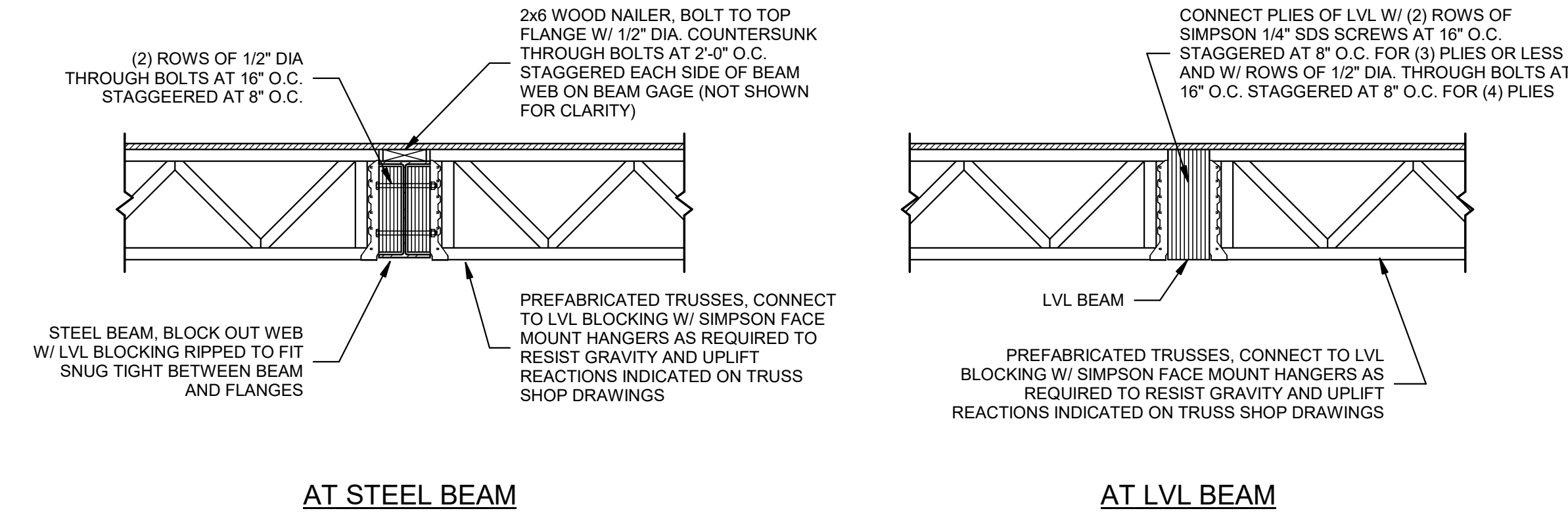


NOTE: PROVIDE (4) - 10d COMMON NAILS AT ALL TRUSS TO BRACE AND BRACE TO BRACE CONNECTIONS U.N.O.

4 TYPICAL GABLE END TRUSS/ WALL BRACING DETAIL
NO SCALE



3 TYPICAL WOOD BEAM TO STEEL COLUMN CONNECTION DETAIL
3/4\"/>



3 TYPICAL TRUSS TO FLUSH BEAM CONNECTION DETAILS
NO SCALE

BUDGET SET
DATE: 11/7/2020
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Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL WOOD FRAMING DETAILS

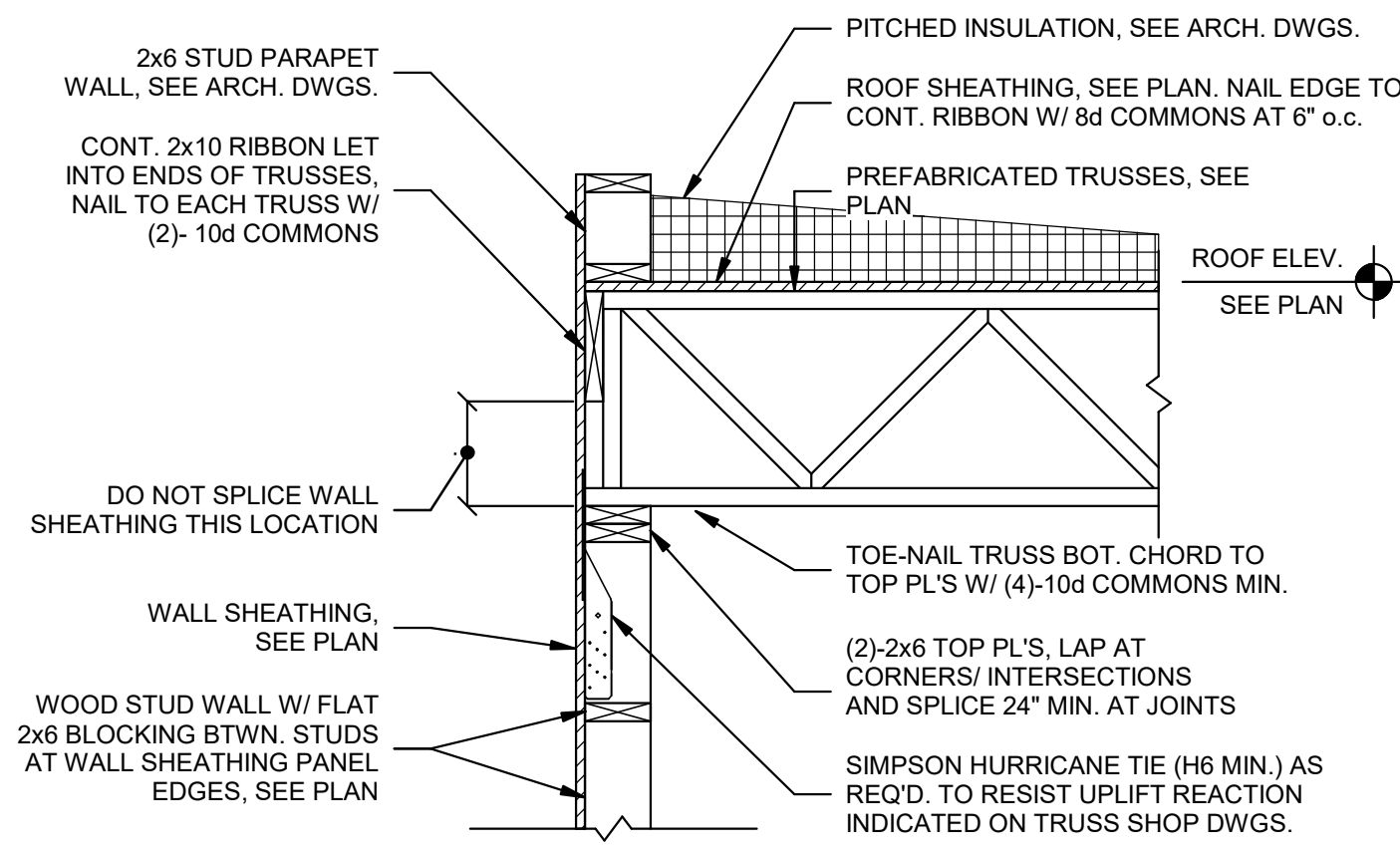
Job No. 18160
Scale 3/4\"/>

Drawn By LPC3 / JW
Rev'd By PES
Date 01/13/20
Revised

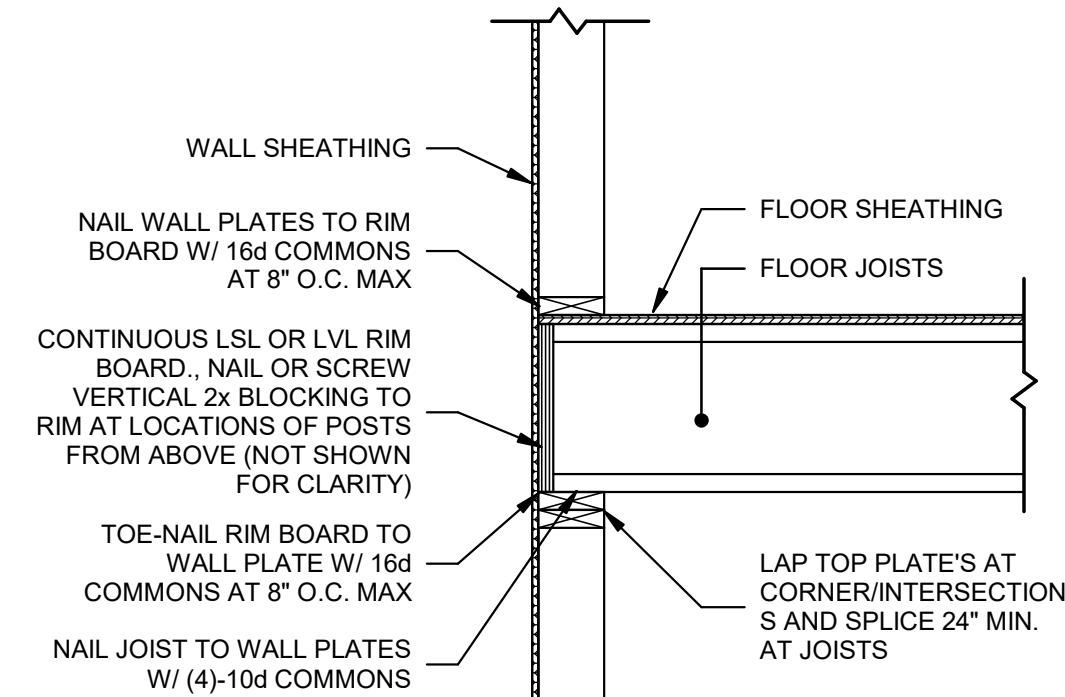
FOR BUDGET ONLY

\$501

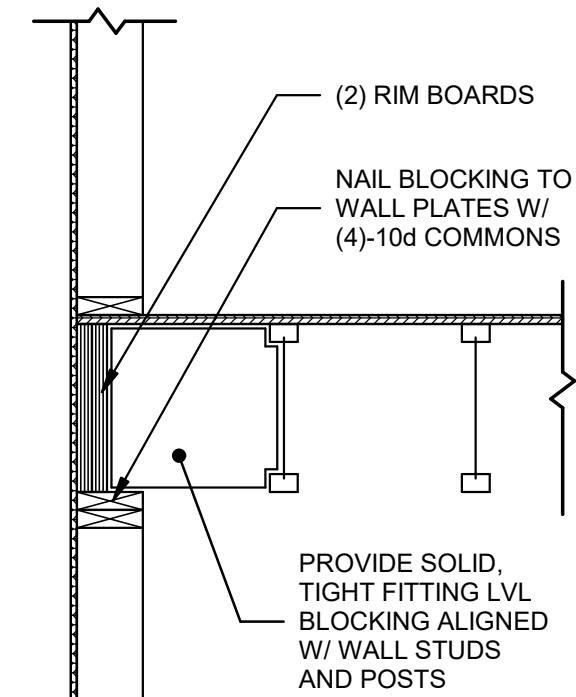
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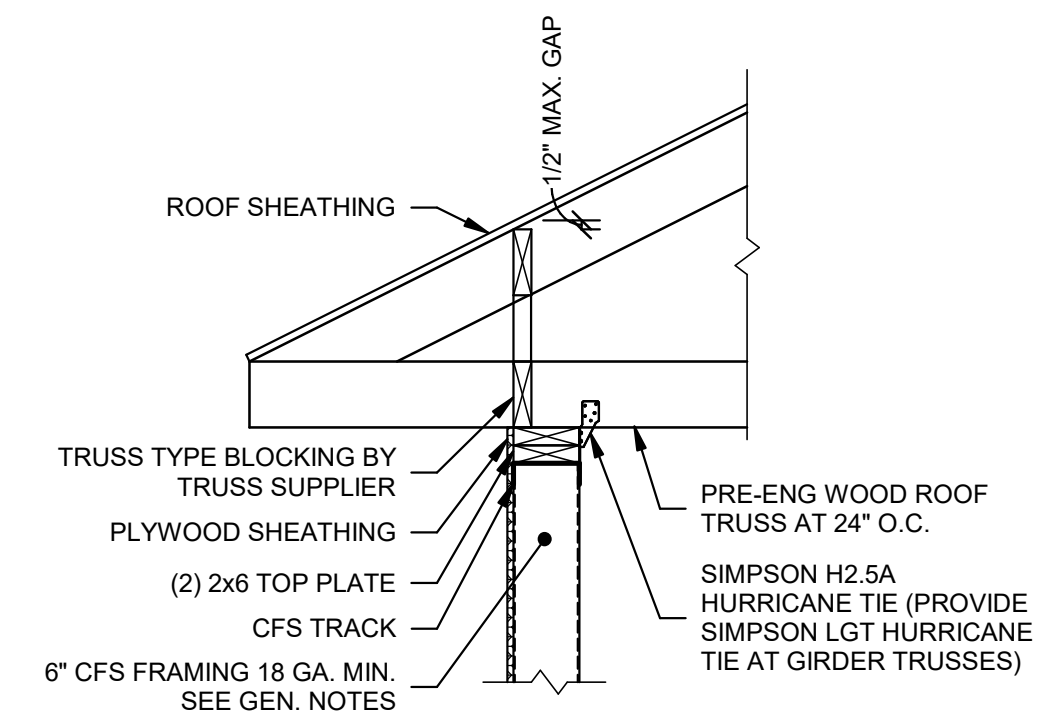
4 TYPICAL STARTER FLAT ROOF TRUSS DETAIL
3/4" = 1'-0"



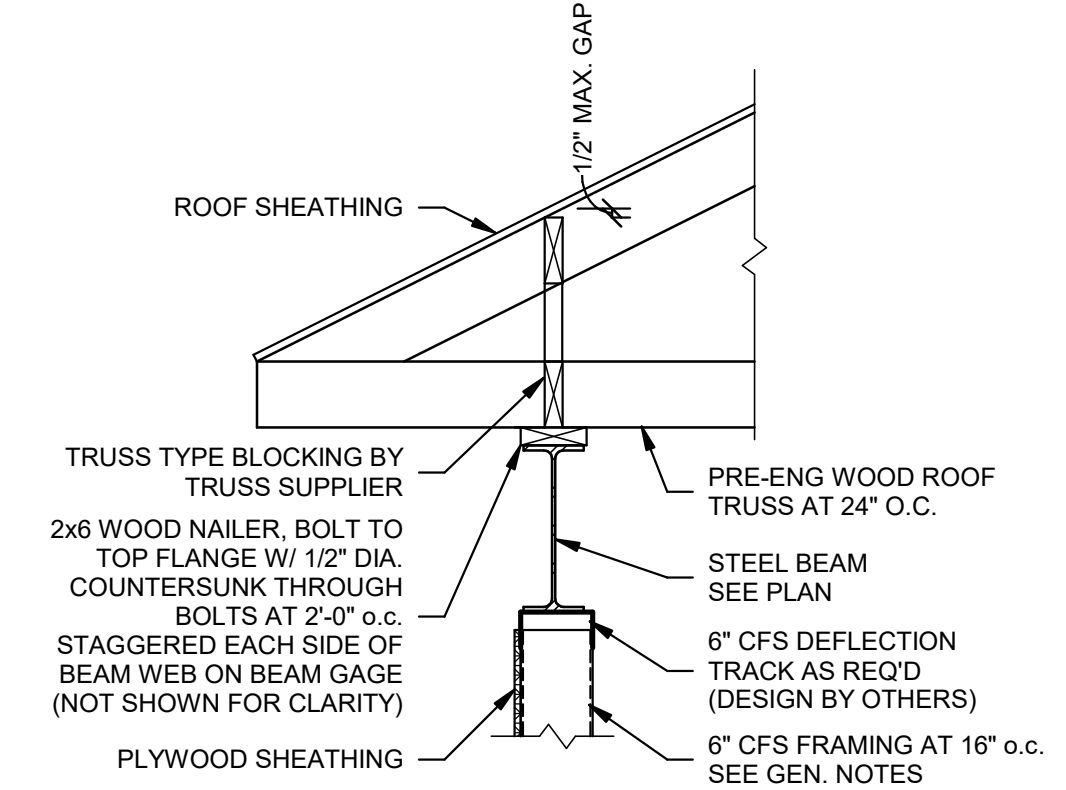
WALL PERPENDICULAR TO JOISTS



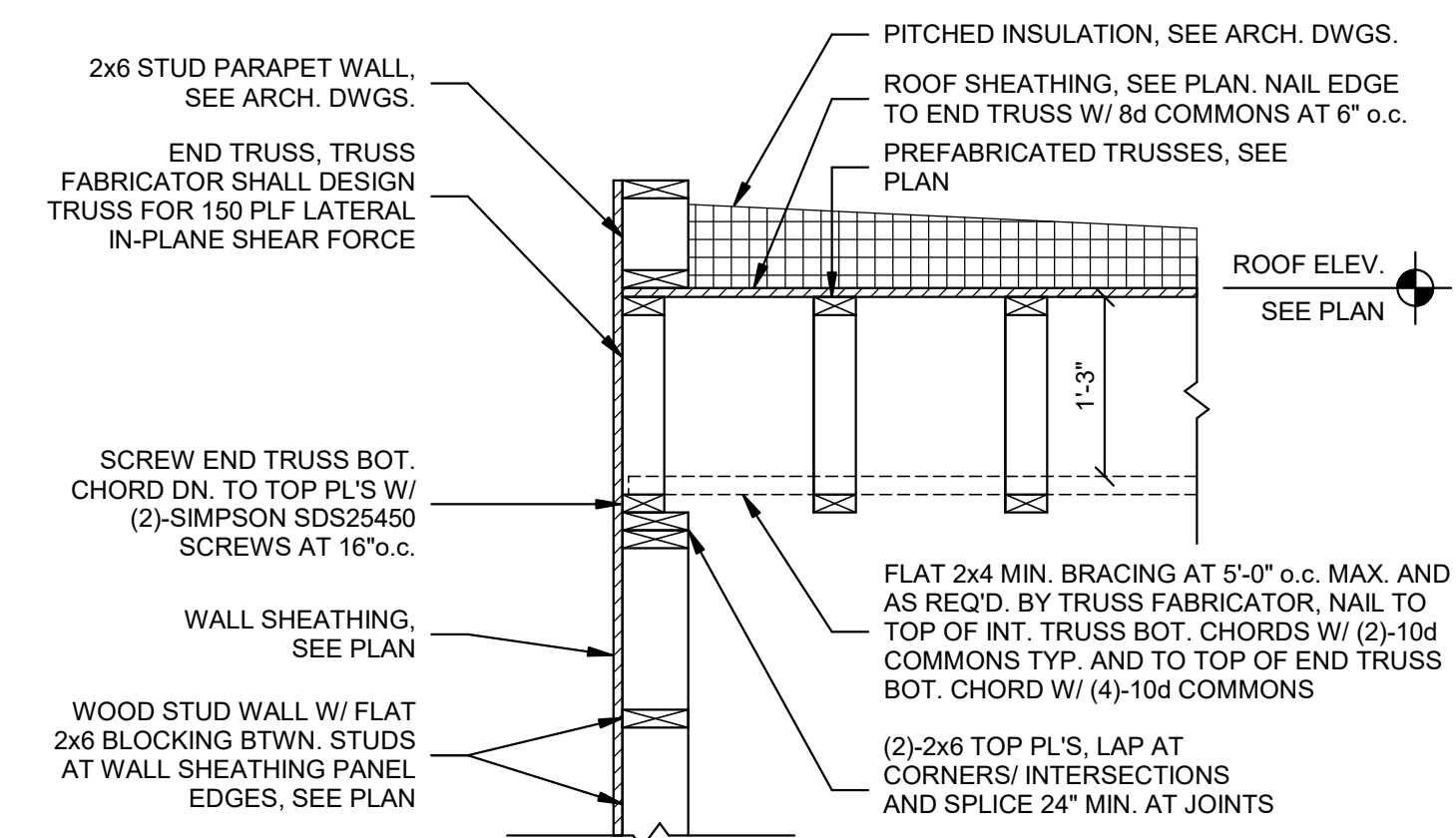
WALL PARALLEL TO JOISTS



1 TYPICAL WOOD TRUSS BEARING DETAILS
3/4" = 1'-0"



TRUSS BEARING AT STEEL BEAM



5 TYPICAL STARTER FLAT ROOF TRUSS END WALL DETAIL
3/4" = 1'-0"

BUDGET SET
DATE: 11/7/2020
NOT FOR CONSTRUCTION

NOTE: IT IS THE GC'S, CM'S AND SUB-CONTRACTORS RESPONSIBILITY TO REVIEW ALL DRAWINGS & SPECS. FOR COORDINATION PURPOSES AND TO ENSURE THAT ALL SCOPE OF WORK IS INCLUDED

Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL WOOD FRAMING DETAILS

Job No. 18160
Scale 3/4" = 1'-0"
Drawn By LPC3 / JW
Rev'd By PES
Date 01/13/20

FOR BUDGET ONLY
S502

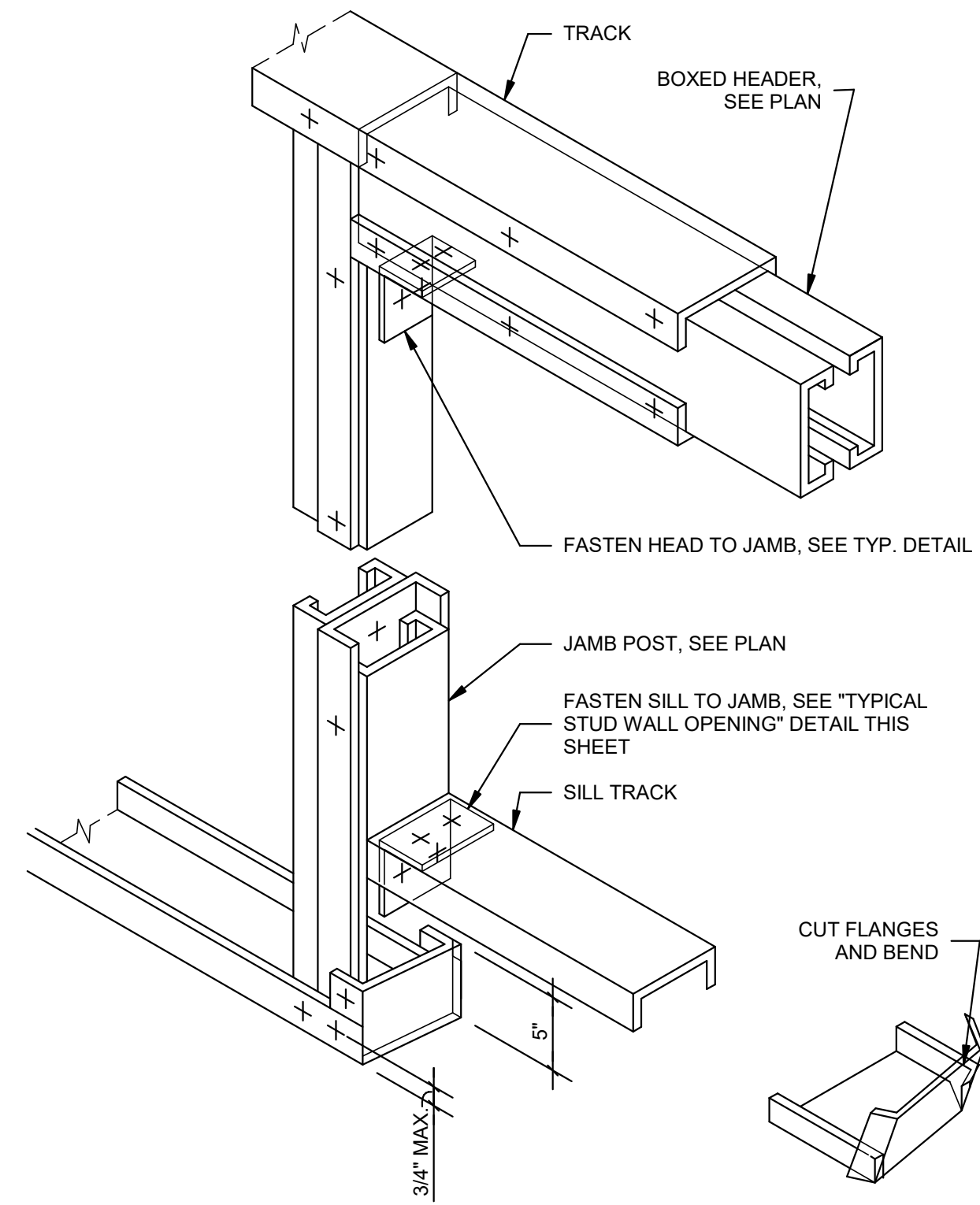
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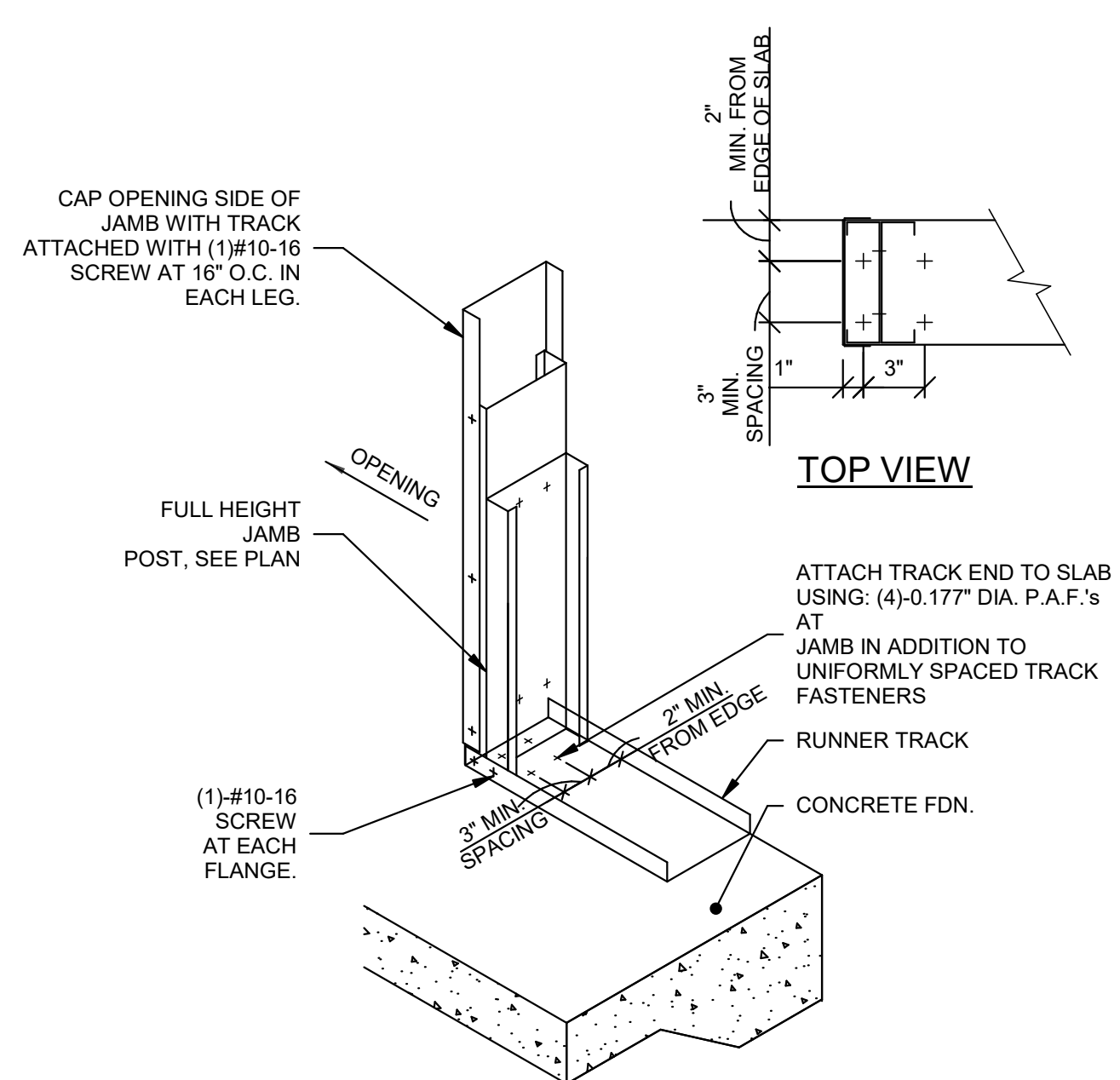
48 Constitution Drive
Bedford, NH 03110
Phone #: (603) 472-4488
Fax #: (603) 472-8747
Toll Free #: 866.668.00



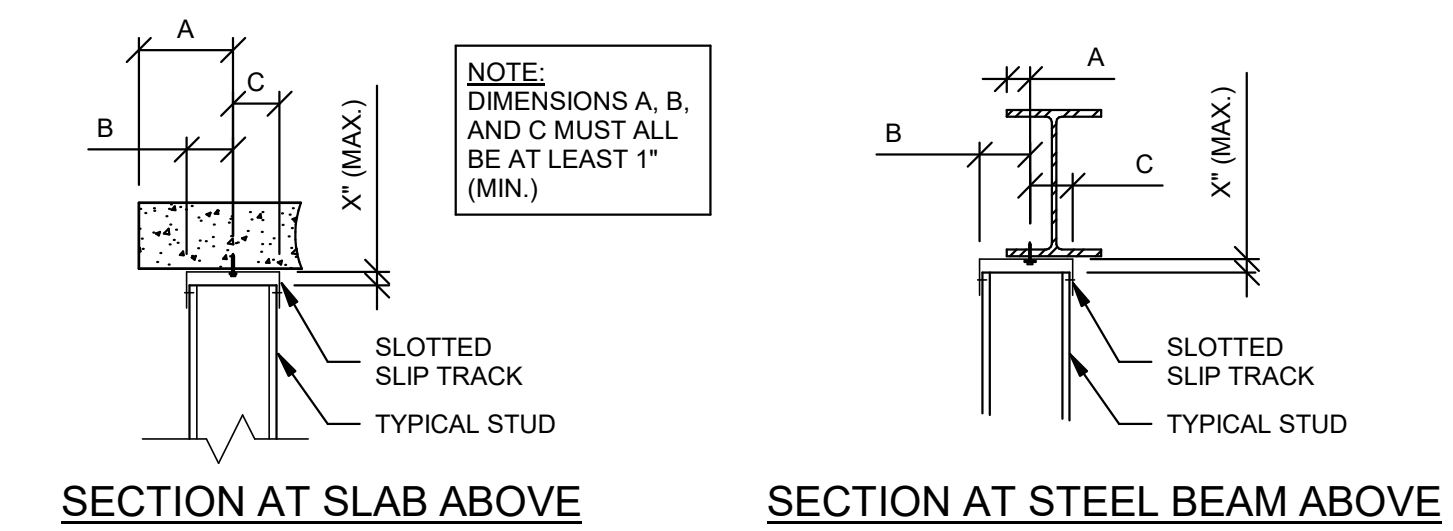
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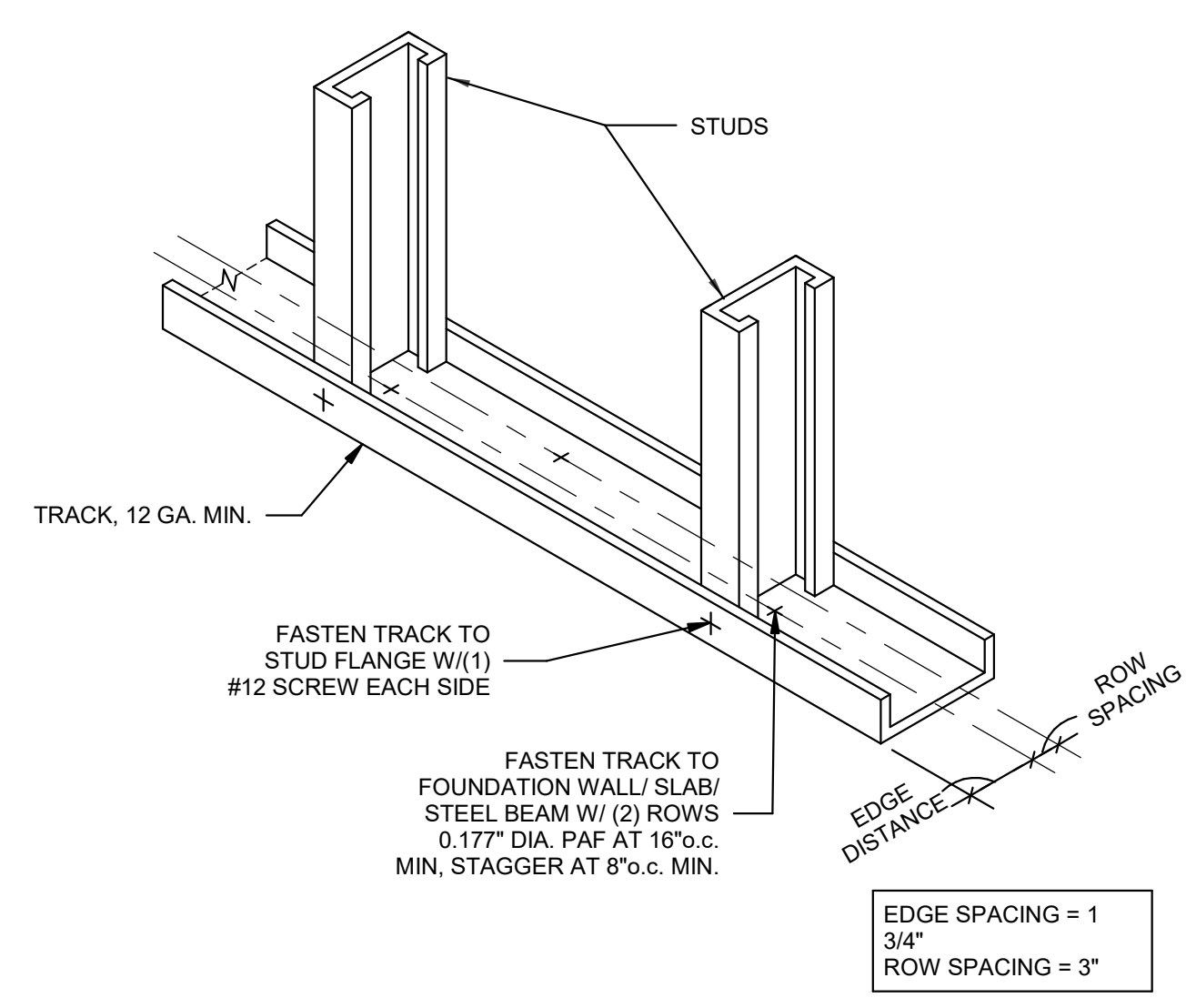
4 TYPICAL CFS HEADER CONSTRUCTION
NO SCALE



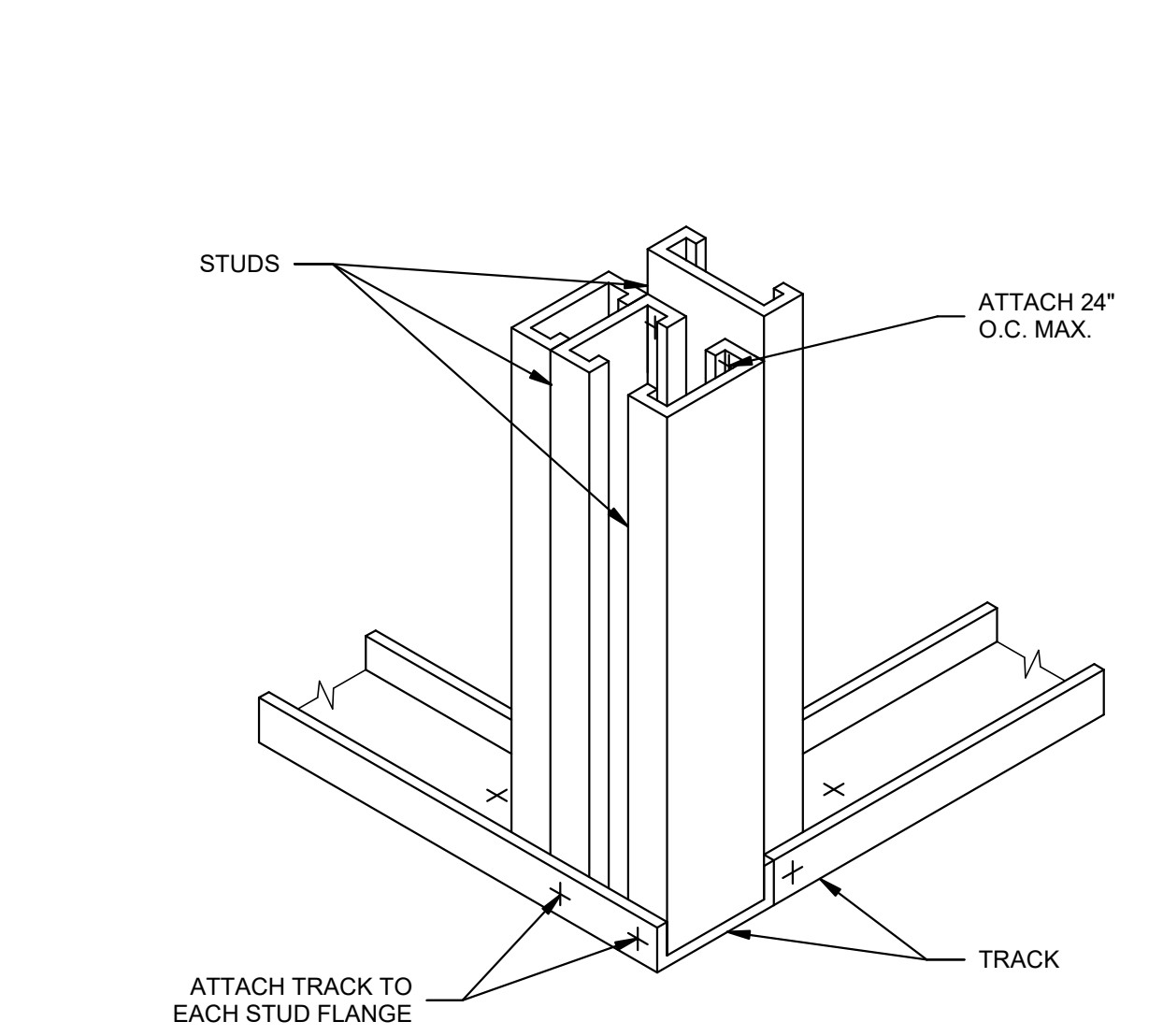
3 TYPICAL CFS TRACK BOTT. AT JAMB
NO SCALE



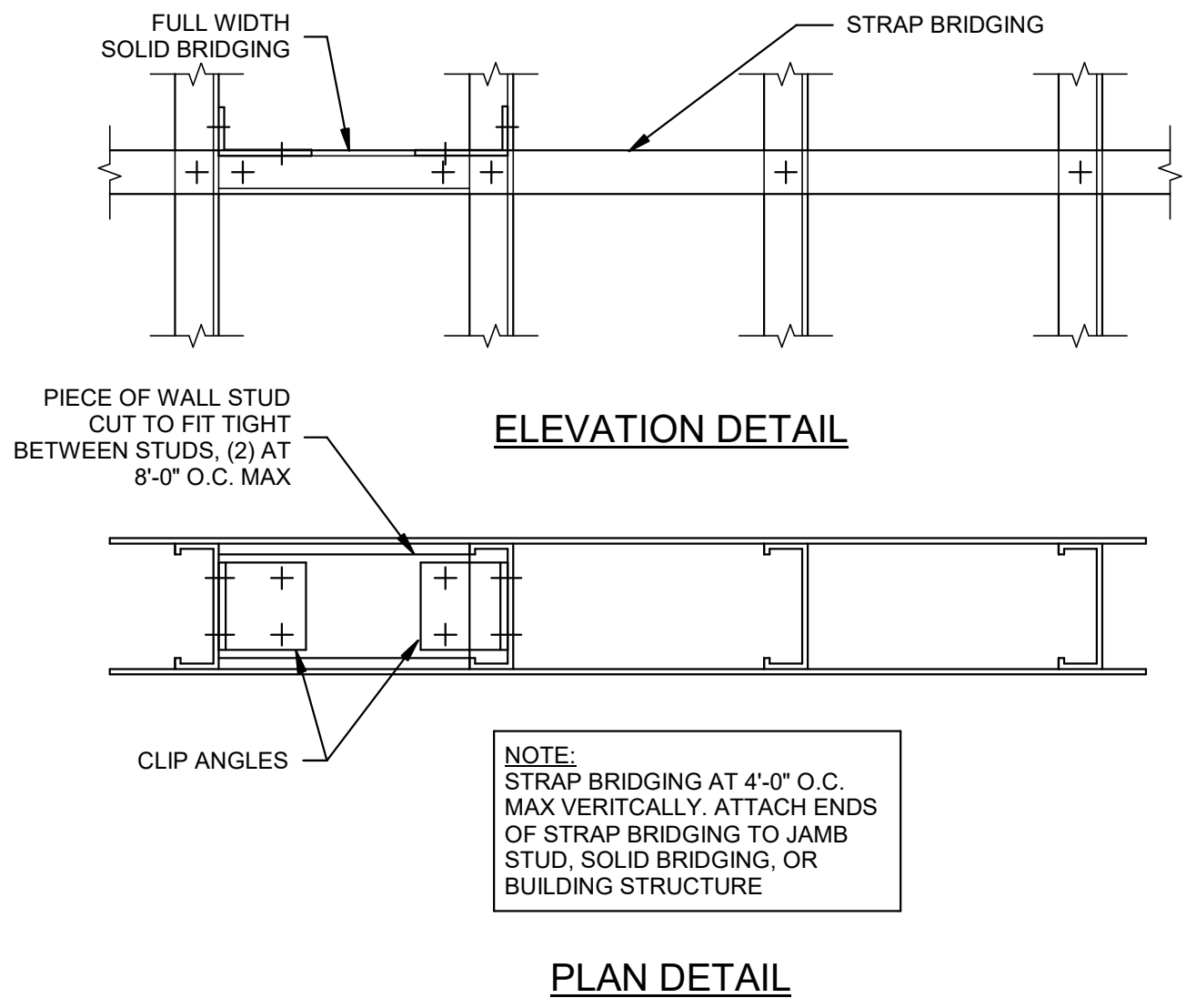
2 TYPICAL CFS TOP TRACK CONNECTIONS
NO SCALE



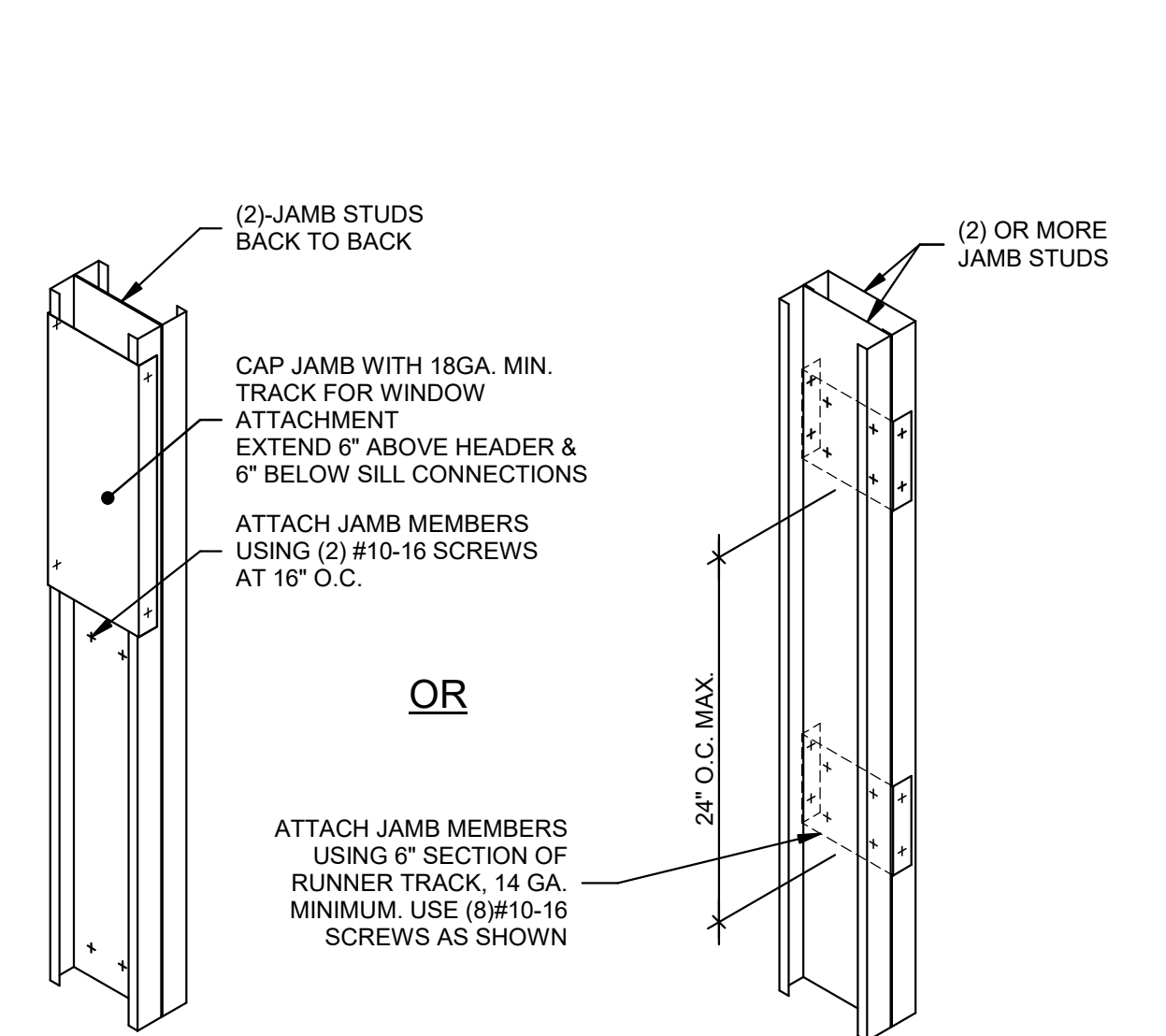
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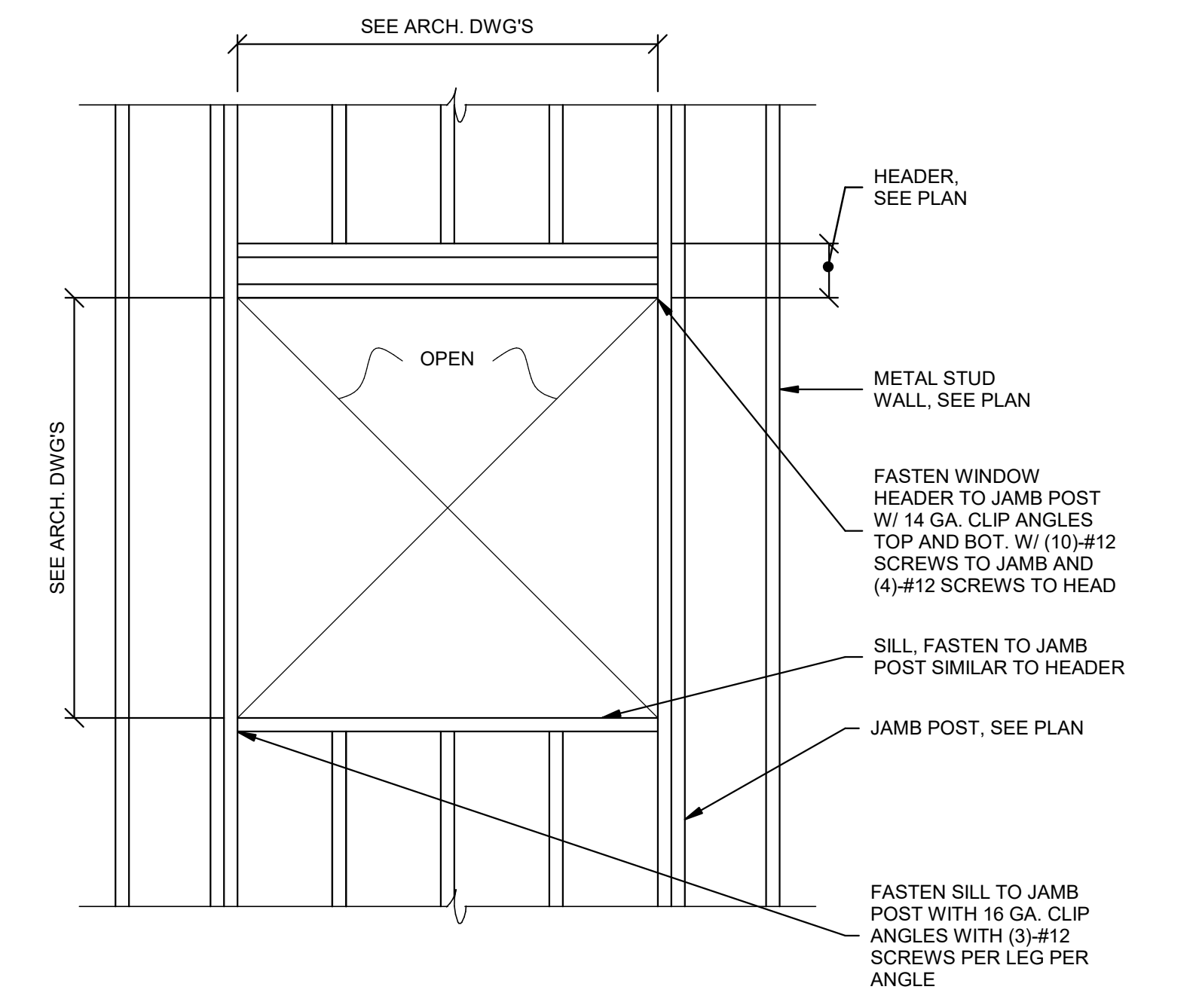
8 TYPICAL CFS CORNER POST DETAIL
NO SCALE



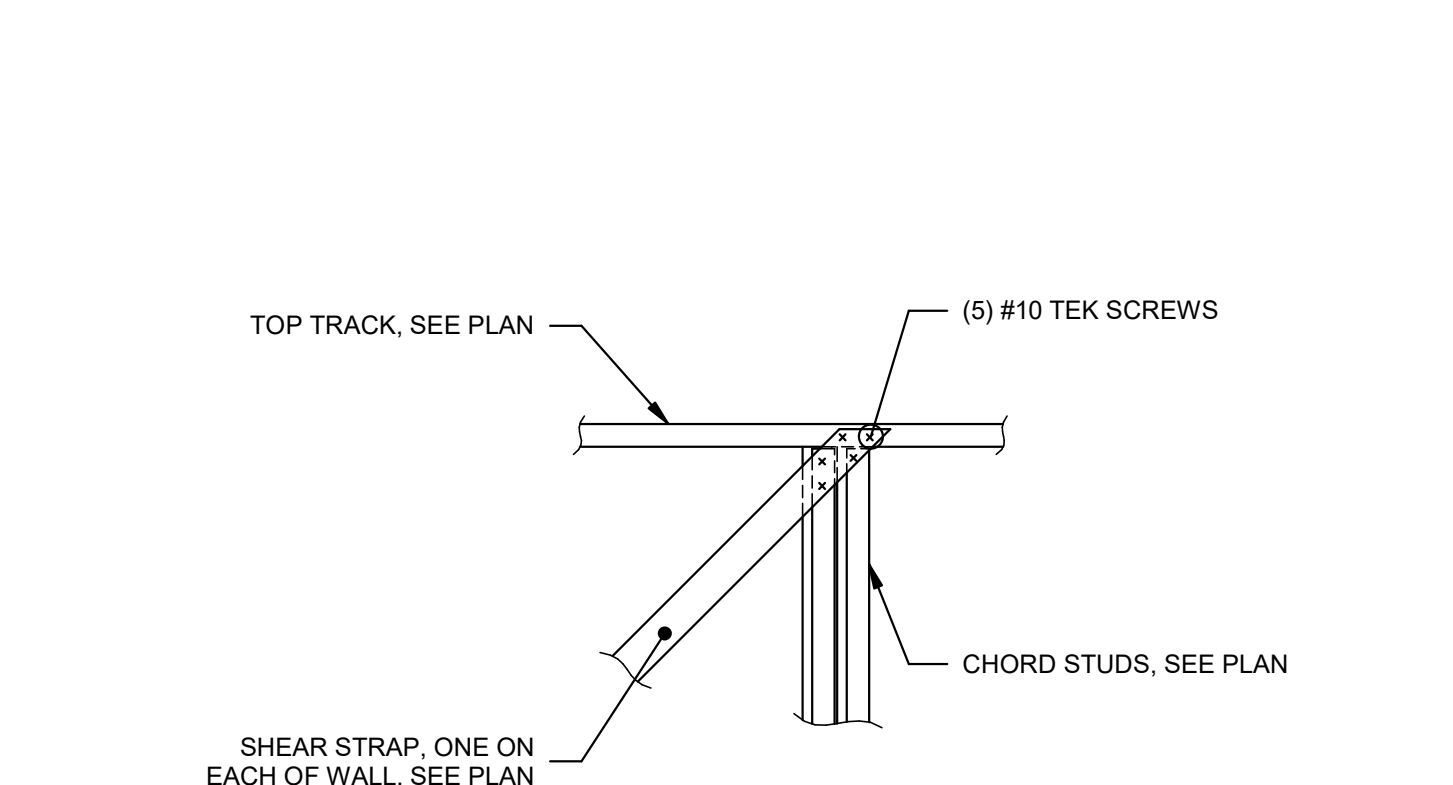
7 TYPICAL CFS BRIDGING DETAIL
NO SCALE



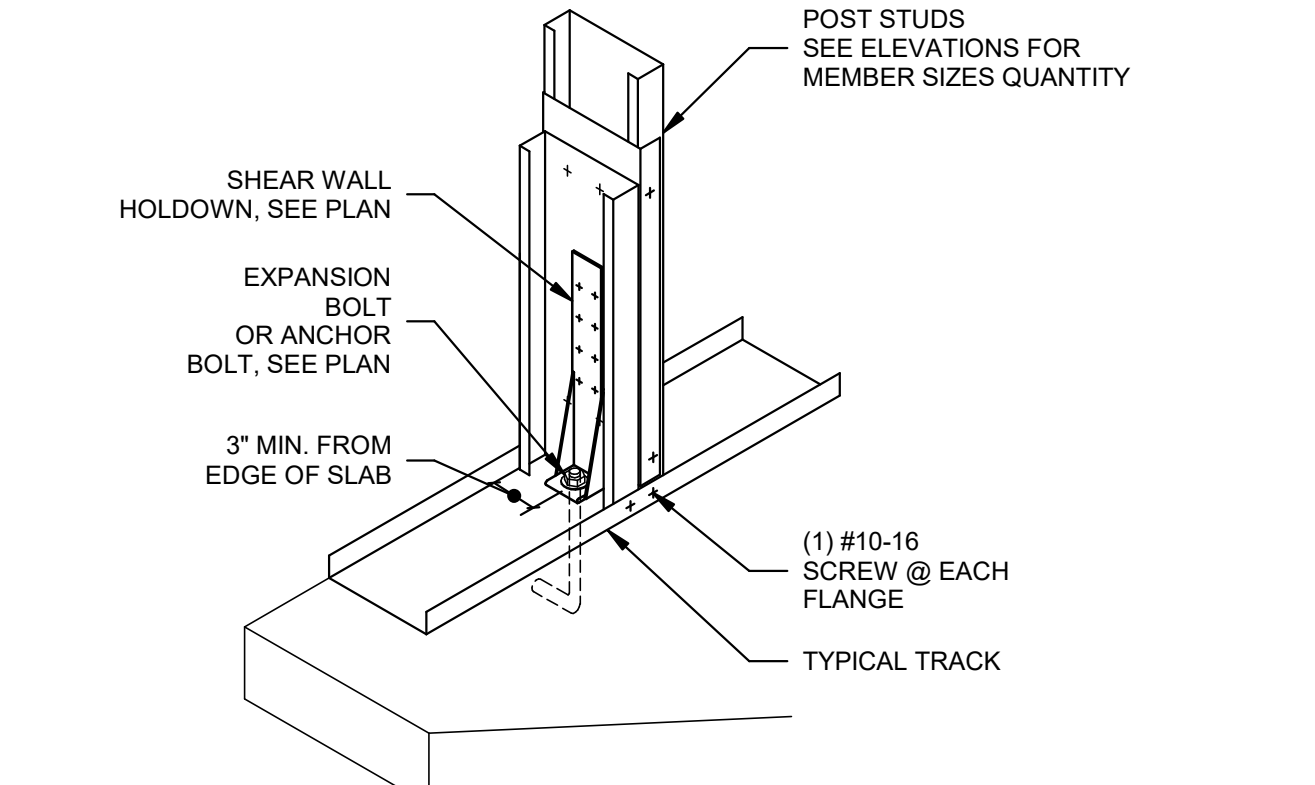
6 TYPICAL CFS HEADER JAMB DETAILS
NO SCALE



5 TYPICAL CFS HEADER DETAILS
NO SCALE



10 TYPICAL CFS SHEAR WALL STRAP CONNECTION (TOP)
NO SCALE



9 TYPICAL CFS HOLDOWN DETAIL
NO SCALE

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BUDGET SET
NOT FOR CONSTRUCTION
DATE: 11/7/2020

PHONE: 603.228.8800
FAX: 603.228.8801
WWW.SHEER.COM



48 Constitution Drive
Bedford, NH 03110
Phone #: (603) 472-4488
Fax #: (603) 472-9747
TFM Proj. # 85668.00



Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL CFS DETAILS

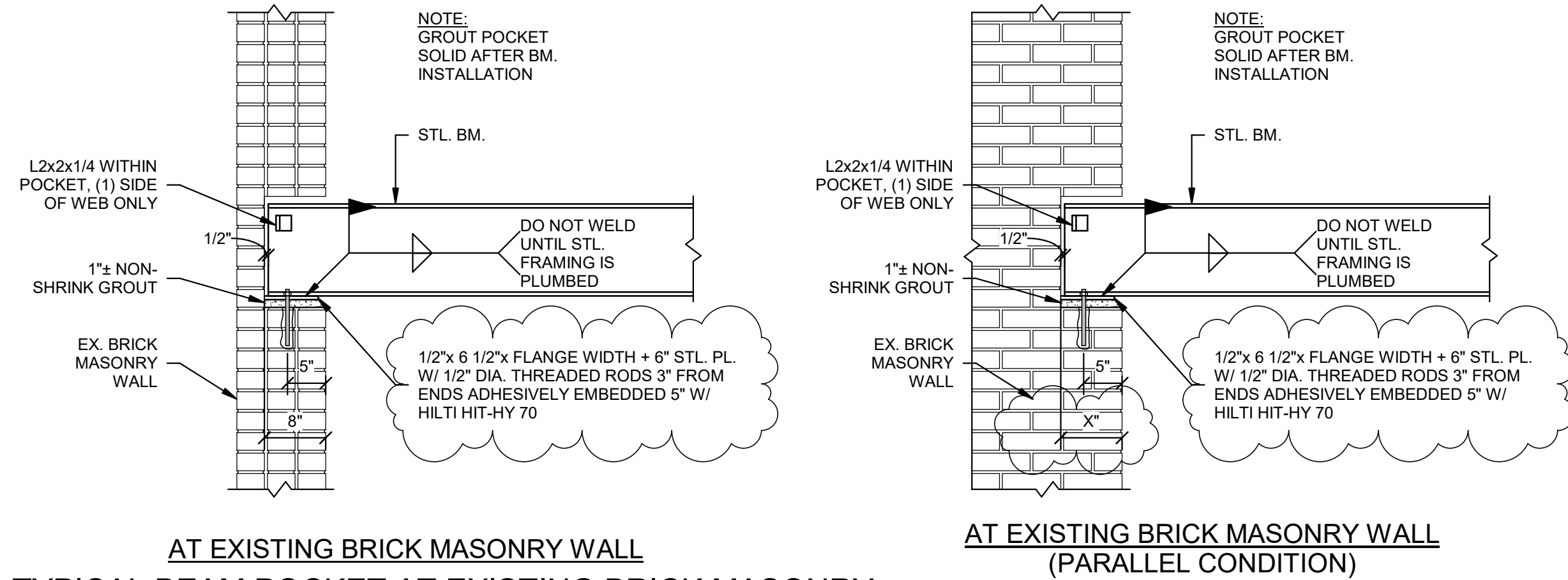
Job No.	18160
Scale	NO SCALE
Drawn By	LPC3 / JW
Rev'd By	PES
Date	09/11/17
Revised	

FOR BUDGET ONLY
S601

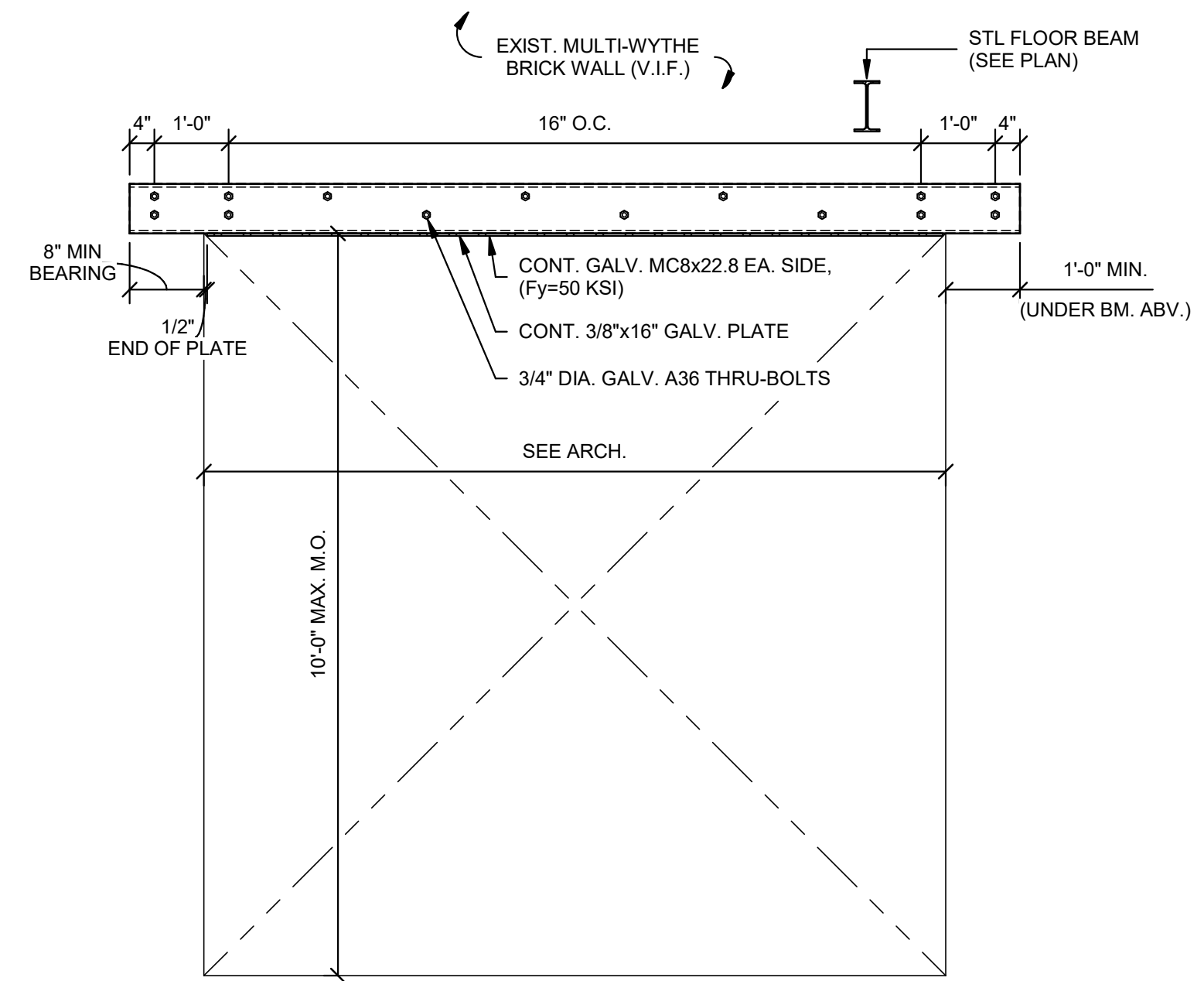
STEEL LINTEL SCHEDULE					
MAX RO	4" VENEER	6" WALL	8" WALL	10" WALL	12" WALL
3'-0"	(1) - L3 1/2x3 1/2x5/16	(2) - L3x2 1/2x5/16	(2) - L3 1/2x3 1/2x5/16	(1) WT 7x21.5	(3) - L4x3 1/2x5/16
4'-0"	(1) - L4x3 1/2x5/16	(2) - L3x2 1/2x5/16	(2) - L4x3 1/2x5/16	(1) WT 7x21.5	(3) - L5x3 1/2x5/16
5'-0"	(1) - L5x3 1/2x5/16 LLV	(1) WT 7x13	(2) - L5x3 1/2x5/16	(1) WT 7x21.5	(3) - L6x3 1/2x5/16
6'-0"	(1) - L6x3 1/2x5/16 LLV	(1) WT 7x13	(2) - L6x3 1/2x5/16	(1) WT 7x21.5	(3) - L6x3 1/2x3/8
7'-0"	(1) - L6x3 1/2x3/8 LLV	(1) WT 7x13	(2) - L6x3 1/2x3/8	(1) WT 7x21.5	(3) - L6x3 1/2x3/8

- PROVIDE LINTELS, WHETHER INDICATED OR NOT ON STRUCTURAL OR ARCHITECTURAL DRAWINGS, OVER ALL **MASONRY OPENINGS (M.O.)** IN MASONRY WALLS, AS REQUIRED BY ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
- IF LINTEL IS SPECIFIED ON PLAN WITH COVER PLATE, PLATE SHALL HAVE A WIDTH 1" LESS THAN THE WALL THICKNESS.
- LINTELS SUPPORTING EXTERIOR MASONRY OR LOCATED IN EXTERIOR WALLS SHALL BE HOT DIPPED GALVANIZED.
- PROVIDE 6" MIN. BEARING AT EACH END BUT NOT LESS THAN 1" PER FOOT OF SPAN.
- CORE FILL (2) COURSES OF MASONRY BELOW BEARING WITH MORTAR AT EXISTING WALLS.
- CORE FILL MASONRY (FULL HT.) BELOW BEARING WITH 3000 PSI GROUT (SEE TYPICAL DETS FOR REQ'D REINF.) AT ALL NEW WALLS.
- INSTALL LINTELS WITH LONG LEG VERTICAL (LLV).
- WHERE MINIMUM BEARING CANNOT BE PROVIDED, ATTACH SECURELY TO ADJACENT STRUCTURAL MEMBERS OR PROVIDE SEPARATE SUPPORTS.
- LINTELS ARE FOR NON LOAD BEARING AND UNIFORMLY LOADED BEARING WALLS ONLY, CONSULT WITH ENGINEER FOR REVIEW AND REQ'D LINTEL SIZES AT ALL OTHER LOCATIONS.
- SEE ARCH. FOR REQ'D DIM'S (ALL OPENINGS)
- FOR WALLS GREATER THAN 12" IN WIDTH, PROVIDE (1) ADDITIONAL ANGLE FOR EACH 4" OF MASONRY.
- PROVIDE CONT. CLOSURE ANGLE OR P.T. BLOCKING AS REQ'D AT ALL VENEER CAVITIES (COORD. W/ ARCH.).
- ALL LINTELS TO BE INSTALLED AT M.O. HEAD (UNLESS NOTED) COORD. W/ ARCH.
- G.C. SHALL PROVIDE ALL MECH'L DUCT M.O. LOCATIONS AND SIZES TO ENGINEER FOR REVIEW AND REQ'D LINTEL SIZES.
- PROVIDE SLIP SEAT AT ALL LINTEL ENDS OVER CONTROL JOINTS.

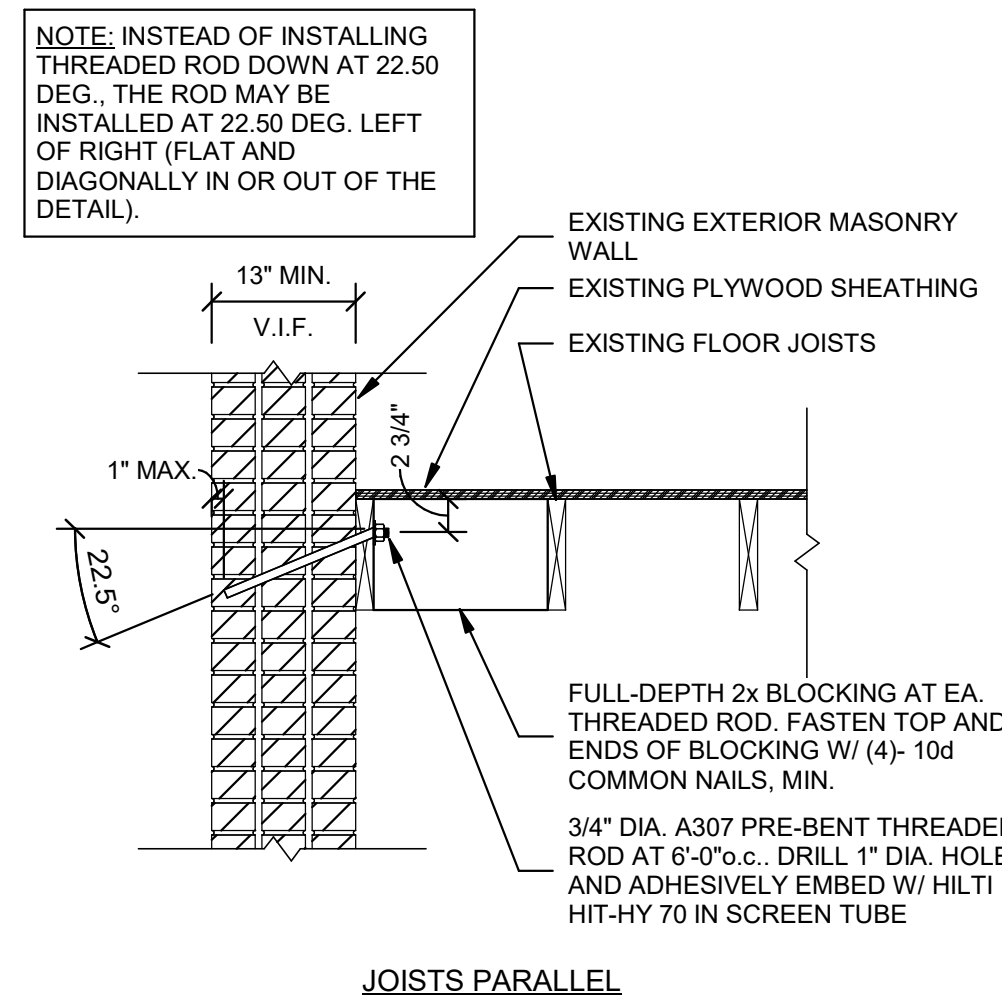
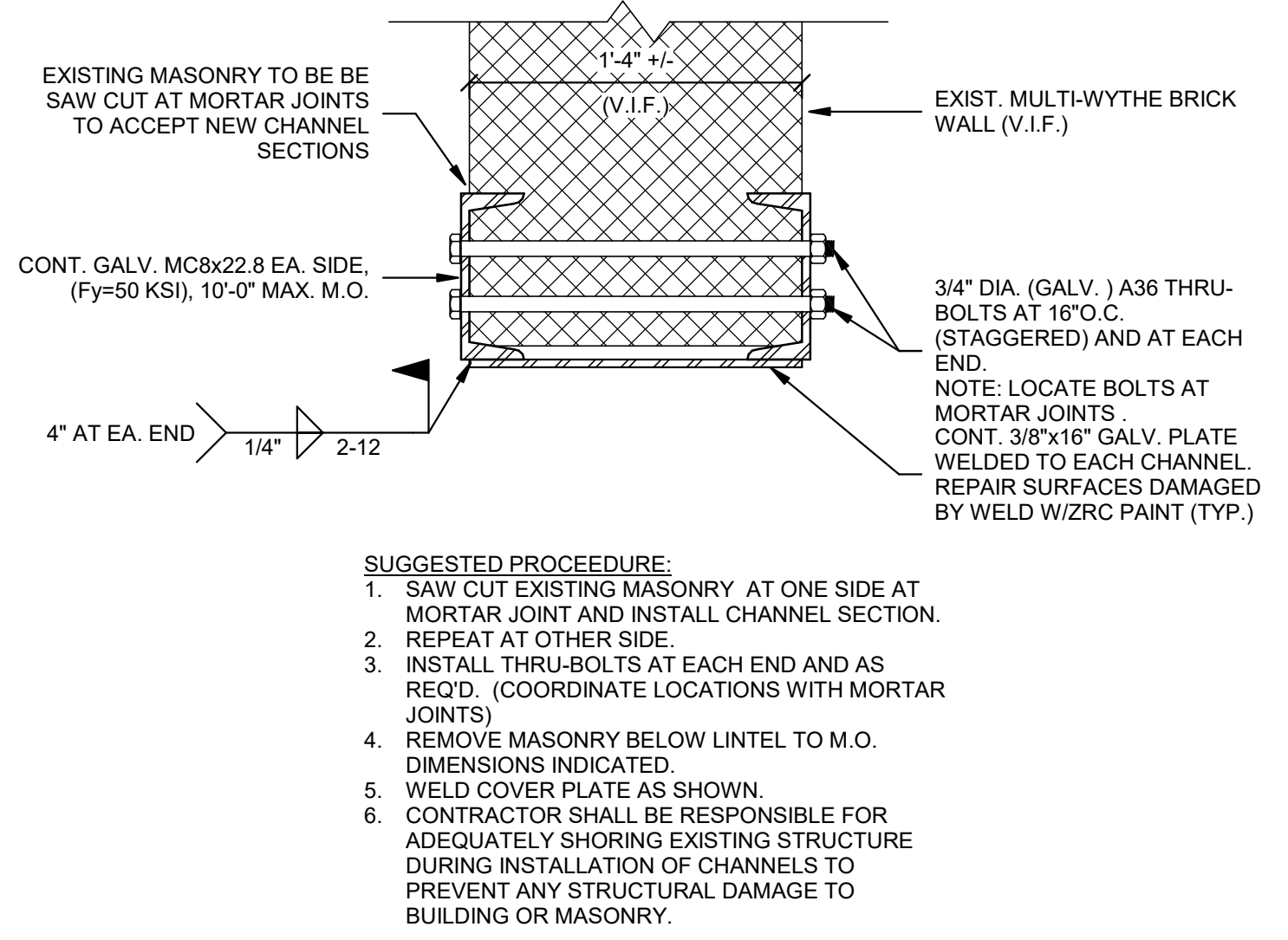
2 STEEL LINTEL SCHEDULE
N.T.S.



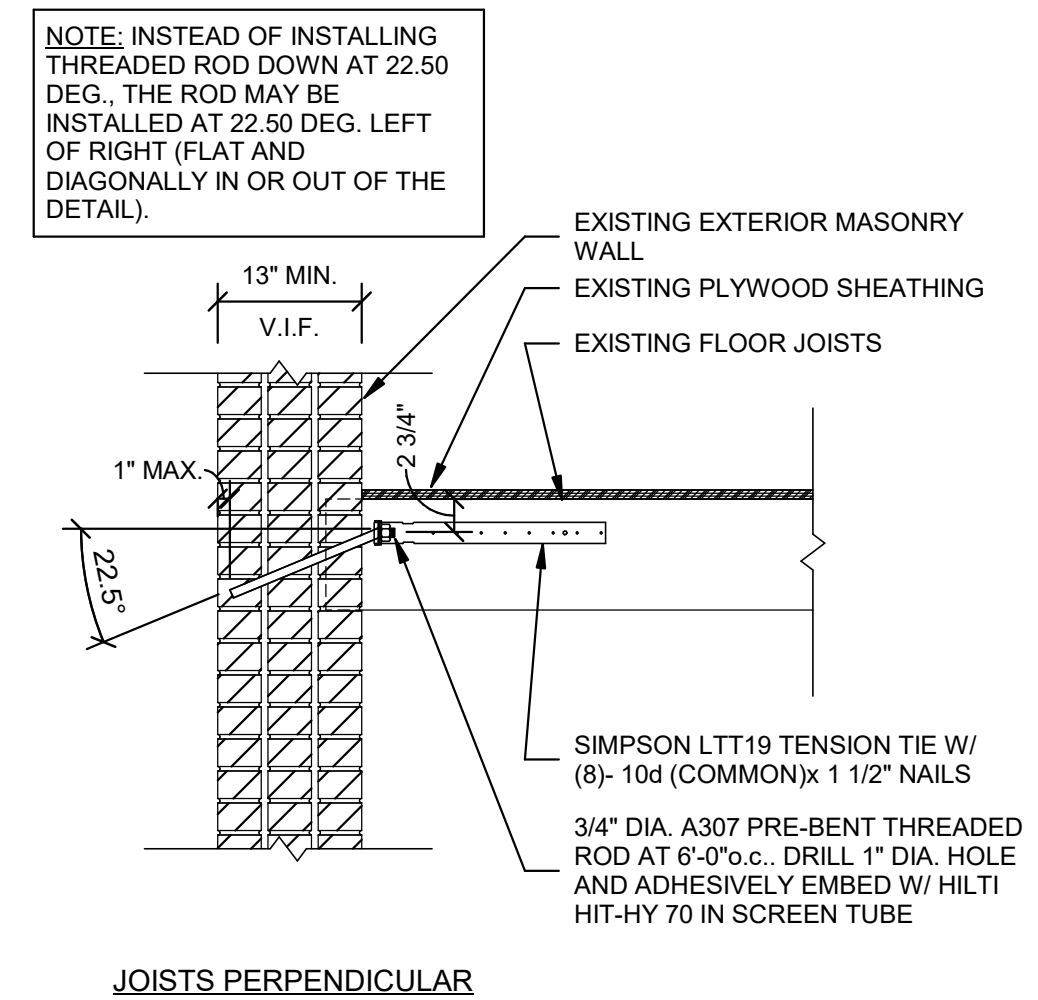
4 TYPICAL BEAM POCKET AT EXISTING BRICK MASONRY WALL DETAIL
NO SCALE



1 CHANNEL LINTEL DETAIL
1 1/2" = 1'-0"



3 TYPICAL EXTERIOR WALL TO FLOOR/ ROOF DETAIL
NO SCALE



BUDGET SET
DATE: 11/7/2020
NOT FOR CONSTRUCTION

Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave. Henniker, NH 03242
TYPICAL MASONRY DETAILS

Job No.	18160
Scale	As indicated
Drawn By	Rev'd By
LPC3 / JW	PES
Date	XXXXXX
Revised	
1	Revision 1

FOR BUDGET ONLY

S701

SMP ARCHITECTURE
48 Constitution Drive
Bedford, NH 03110
Phone #: (603) 472-4488
Fax #: (603) 472-8747
T/F/M: 9:00am - 5:00pm

PHONE: 603.228.8800
FAX: 603.228.8801
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INTERNATIONAL BUILDING CODE AND INTERNATIONAL EXISTING BUILDING CODE- 2015 EDITION

GENERAL PROJECT INFO:

TUCKER PUBLIC LIBRARY PROJECT #1816 PROJECT CONSISTS OF NEW ELEVATOR SHAFT ADDITION AND VESTIBULE TO THE EXISTING LIBRARY STRUCTURE. BUILDING IS 3 FLOORS WITH SUB-BASEMENT. SEE PLANS FOR MORE INFORMATION. BUILDING AREAS: SUB-BASEMENT = 728 GSF - 728 GSF IMPACTED BY RENOVATION FIRST FLOOR = 3,123 GSF - 3,831 GSF IMPACTED BY RENOVATION SECOND FLOOR = 3,114 GSF - 3,503 GSF IMPACTED BY RENOVATION THIRD FLOOR = TOTAL = 00 GSF - 00 GSF IMPACTED BY RENOVATION

Table with 4 columns: 2009 INTERNATIONAL BUILDING CODE, REQUIRED/ALLOWED, PROPOSED, REFERENCE. Rows include Use Group (Business Group B), Building Construction Type (Type 3B), and Separation Protection (Boiler and Furnace Rooms).

Table with 4 columns: Opening Protectives, Required/Allowed, Proposed, Reference. Rows include Fire Walls & Fire Barriers, Fire Partitions, and Fire Window Assembly Fire Protection Ratings.

Table with 4 columns: Interior Finishes, Required/Allowed, Proposed, Reference. Rows include Vertical Exits & Passageways, Fire Protection Systems, and Fire Alarm System.

Table with 4 columns: Means of Egress - NFPA 101 2015, Required/Allowed, Proposed, Reference. Rows include Egress Ceiling Height, Egress Illumination, and Egress Components (Doors, Stairs, Ramps).

MEANS OF EGRESS - NFPA 101 2015

Table with 4 columns: Means of Egress - NFPA 101 2015, Required/Allowed, Proposed, Reference. Rows include ADA Americans w/ Disabilities Act - 2010 Edition, Accessible Parking Spaces, Accessible Entry & Route, Accessible Elevator, etc.

ADA AMERICANS W/ DISABILITIES ACT - 2010 EDITION

Table with 4 columns: ADA Americans w/ Disabilities Act - 2010 Edition, Code Required, Proposed. Rows include Accessible Parking Spaces, Accessible Entry & Route, Accessible Elevator, etc.

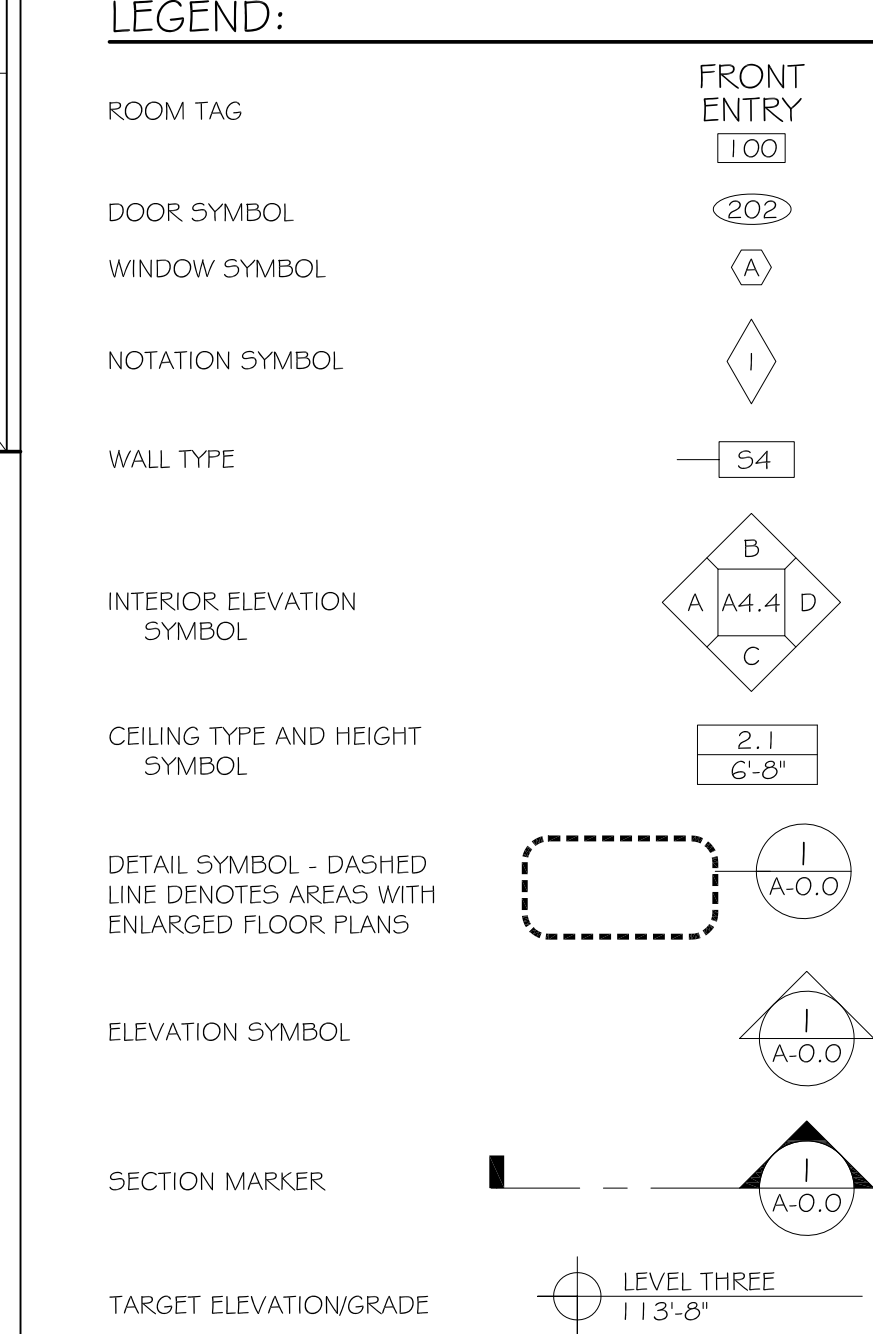
SUPPRESSION SYSTEM

1. CONTRACTOR SHALL PROVIDE P.E. STAMPED FULL SPRINKLER SYSTEM DESIGN (MODIFICATIONS) FOR REVIEW AND APPROVAL OF CODE ENFORCEMENT AUTHORITIES / SHOP DRAWING REVIEW BY ARCHITECT AND MECHANICAL ENGINEER FOR GENERAL LAYOUT. 2. SEE FF1 THRU FF5 FOR PERFORMANCE REQUIREMENTS AND GENERAL LAYOUT. 3. PROVIDE CONCEALED HEADS AT MAIN LOBBY AND CENTER STAIR AREAS AS WELL AS VAULTED CEILING ON LEVEL 5.

FIRE ALARM SYSTEM

1. CONTRACTOR SHALL SUPPLY, INSTALL, AND COORDINATE MODIFICATIONS TO EXISTING ALARM SYSTEM AND ANY TELEPHONE LINES REQUIRED TO PLACE OR KEEP FIRE ALARM SYSTEM IN OPERATION. THE OWNER SHALL BE ONLY RESPONSIBLE FOR MONTHLY CARRIER FEES. SYSTEM SHALL BE APPROVED BY LOCAL MUNICIPALITY AS APPLICABLE. 2. PER BULLETIN # 2018-01 FROM THE OFFICE OF THE STATE FIRE MARSHALL, ELECTRONIC MONITORING OF PORTABLE FIRE EXTINGUISHERS IS NOT REQUIRED.

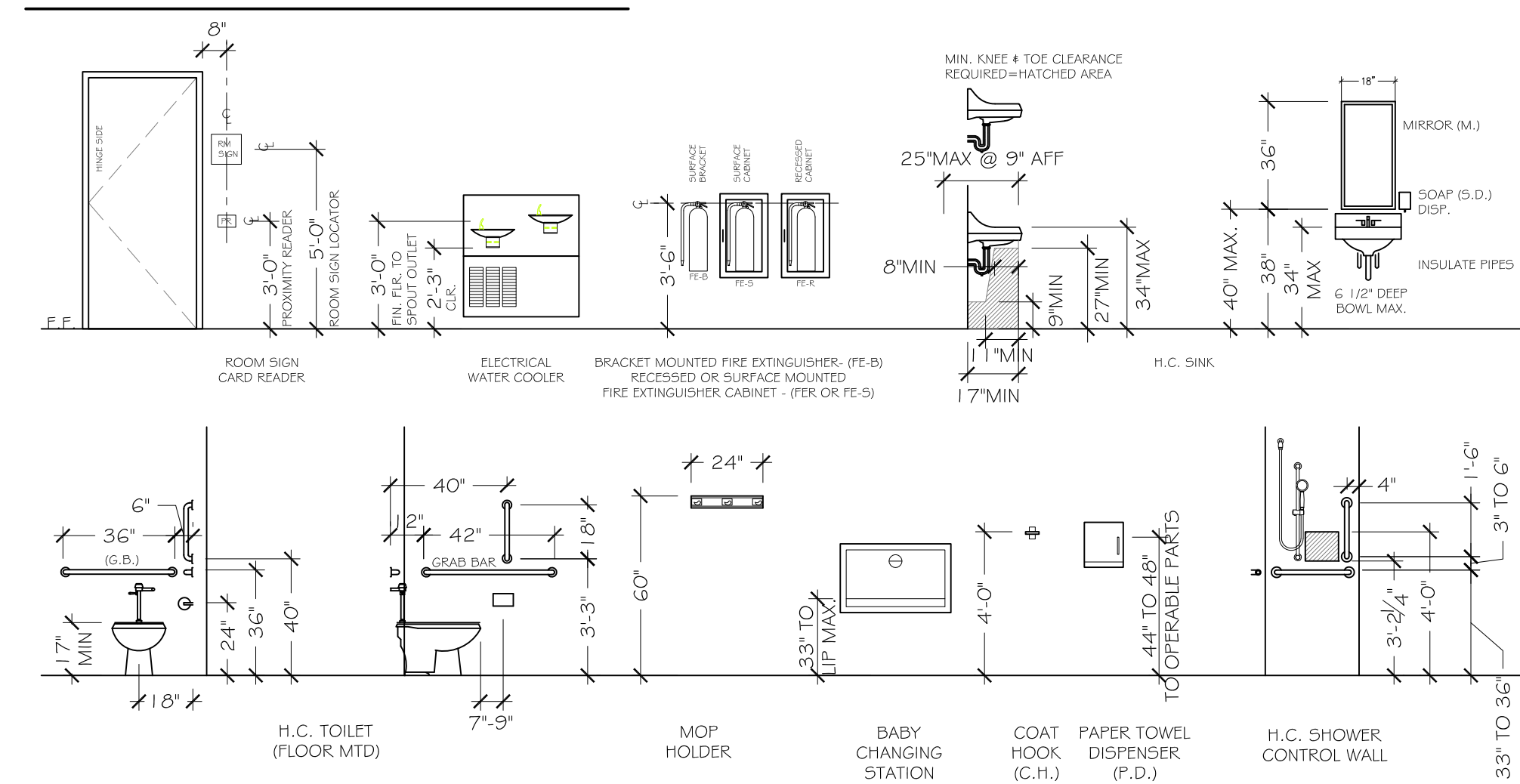
LEGEND:



TYPICAL ABBREVIATIONS:

ADD'L = ADDITIONAL A.F.F. = ABOVE FINISH FLOOR APPX. = APPROXIMATE (LY) ARCH. = ARCHITECT B.O. = BOTTOM OF CLR. = CLEAR CONC. = CONCRETE CONT. = CONTINUOUS C.V.G. = CLEAR VERTICAL GRAIN DIM. = DIMENSION DWGS. = DRAWINGS EFE = EXISTING FIRE EXTINGUISHER ELEC. = ELECTRICAL ELEV'S = ELEVATIONS EQ. = EQUAL EX. = EXISTING EXT. = EXTERIOR FIN. = FINISH (ED) FD = FLOOR DRAIN F.E. = FIRE EXTINGUISHER FEC = FIRE EXTINGUISHER CABINET FFE = FISH FLOOR ELEVATION FLUOR. = FLUORESCENT GWB = GYPSUM BOARD I.C.F. = INSULATED CONCRETE FORM INCL. = INCLUDING INFO. = INFORMATION INST. = INSTALL(ED) INT. = INTERIOR LOC. = LOCATION(S) MECH. = MECHANICAL MTD = MOUNTED N.I.C. = NOT IN CONTRACT N.T.S. = NOT TO SCALE PTD = PAINTED REQ. = REQUIRED S.A.F.F. = SELF ADHESIVE SCH. = SCHEDULE SIM. = SIMILAR SPECS. = SPECIFICATIONS T.B.D. = TO BE DETERMINED T.O. = TOP OF T.O.S. = TOP OF STEEL TY. = TYPICAL U.O.N. = UNLESS OTHERWISE NOTED V.I.F. = VERIFY IN FIELD

TYPICAL MOUNTING HEIGHTS:



PROJECT SUMMARY:

PROJECT CONSISTS OF AN ACCESSIBLE ADDITION WITH A NEW ELEVATOR, ADA ENTRY ACCESS, RESTROOMS AND FLOOR REALIGNMENT. RENOVATION OF UNFINISHED ATTIC INTO A NEW PROGRAM ROOM TO INCLUDE NEW INSULATION AND MECH. EQUIP. GENERAL SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO:

- DEMOLITION OF WALLS, CEILING, MECHANICAL AND ELECTRICAL SYSTEMS
SAWCUTTING CONCRETE SLABS AND WALLS
EXCAVATION, SITEWORK UNDERGROUND UTILITIES
CONSTRUCTION OF NEW MAIN LEVEL ADDITION
WINDOWS, STOREFRONT, DOORS FRAMES AND HARDWARE, BOTH INTERIOR AND EXTERIOR
INTERIOR FINISHES BOTH NEW AND REFINISHED
NEW LIGHTING, POWER, AND DATA DISTRIBUTION
NEW HVAC SYSTEM, MODIFY SUPPLY AND RETURN DUCTWORK AND ASSOCIATED PIPING
NEW PLUMBING SYSTEM AND FIXTURES IN NEW LOCATIONS

THIS PROJECT WILL BE OCCUPIED AND OPERATIONAL FOR THE DURATION OF CONSTRUCTION. CONTRACTOR TO COORDINATE WITH OWNER SITE ACCESS, SHUT-DOWNS, UTILITY CHANGE OVERS AND OTHER WORK WHICH WILL CAUSE DISRUPTIONS TO FACILITY OPERATIONS. CONTRACTOR WILL SCHEDULE AND COORDINATE RELOCATION OF OWNER SPACES DURING CONSTRUCTION AND BETWEEN PHASES. CONTRACTOR TO MAINTAIN SAFETY AND EMERGENCY EXITS. PROJECT INCLUDES ALTERNATES, SEE SPECIFICATIONS. PROJECT INCLUDES PERFORMANCE SPECIFICATIONS FOR CONTRACTOR DESIGNED/ENGINEERED ITEMS, INCLUDING BUT NOT LIMITED TO: SPRINKLER SYSTEM ENGINEERING

INSULATION TYPES SUMMARY:

SEE SPECIFICATIONS FOR COMPLETE INFORMATION

- TYPE 1: RIGID BOARD INSULATION FOR BELOW GRADE
1. XPS INSULATION, TONGUE AND GROOVE EDGES
2. MIN PSI = 25
3. MIN R-VALUE = 5 PER INCH
TYPE 2: DENSE PACK WET SPRAY IN WALL CAVITY
TYPE 3: ACOUSTIC INSULATION
1. HIGH DENSITY MINERAL FIBER BATT.
TYPE 4: WINDOW AND DOOR INSULATION
1. LOW PRESSURE EXPANDING FOAM
2. INSTALL WITH EXTREME CARE TO PROTECT DOOR OR WINDOW FRAME FROM DEFORMING, FOLLOW MANUFACTURERS INSTRUCTIONS.
TYPE 5: ROCKWOOL SEMI-RIGID - ROXUL
TYPE 6: SPRAY FOAM
1. CLOSED CELL POLYURETHANE TYPE FOAM; 2.0 LB DENSITY
2. ZERO OZONE DEPLETING AGENTS IN FOAM OR IN BLOWING AGENT
3. MIN R-VALUE = 6.5 PER INCH (AGED)
TYPE 7: LOOSE FILL CELLULOSE INSULATION
1. DRY BLOWN LOOSE FILL INSULATION IN ATTICS
2. MIN R-VALUE = 55 TOTAL DEPTH INVOLVED
3. INSTALL 1 1/2" DEPTH MIN.
TYPE 8: RIGID BOARD INSULATION
1. MIN. 8" R-56 POLYSTY ROOF INSULATION UNLESS OTHERWISE NOTED.
2. 2. 5/8" DENSDECK COVERBOARD

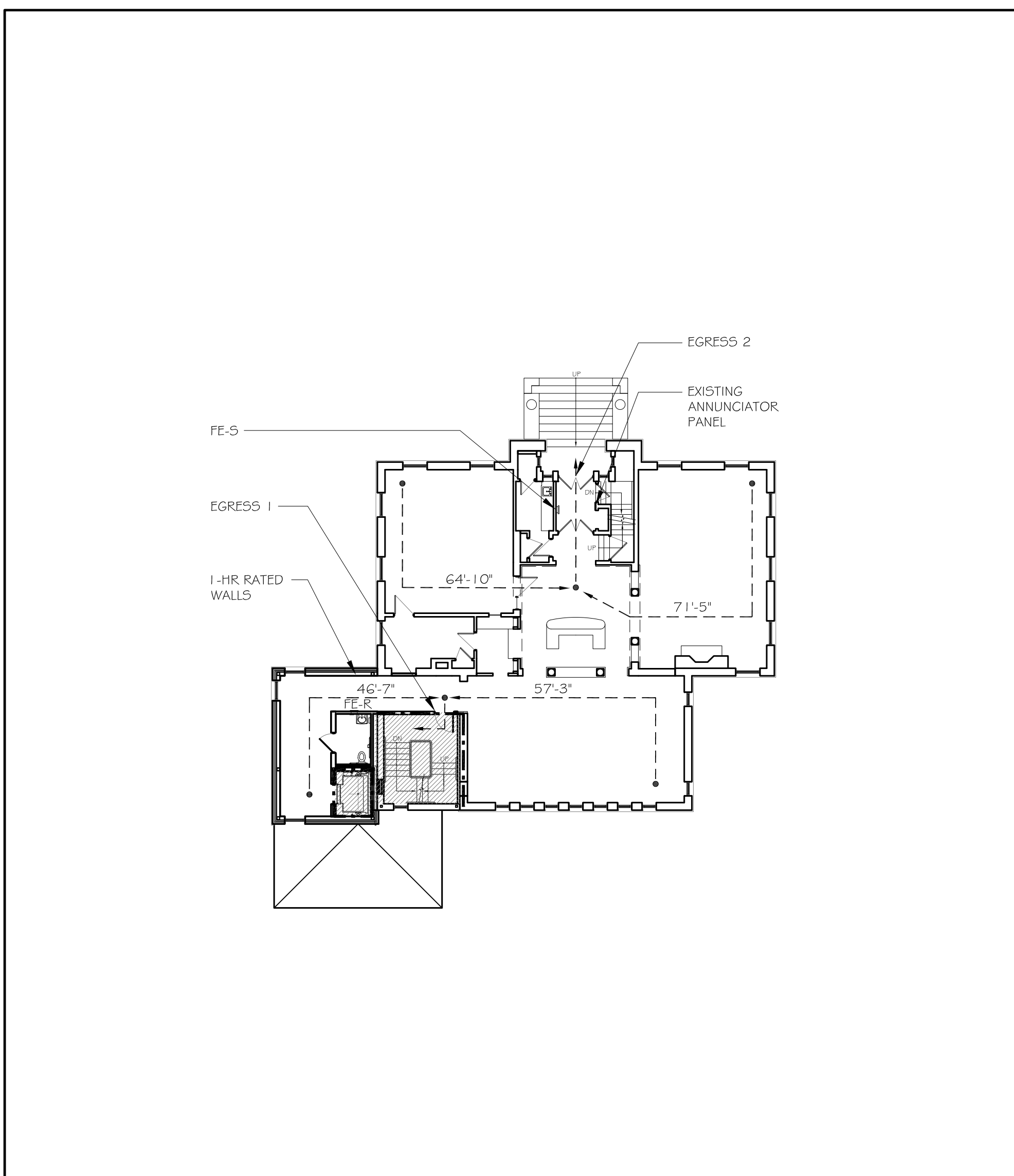
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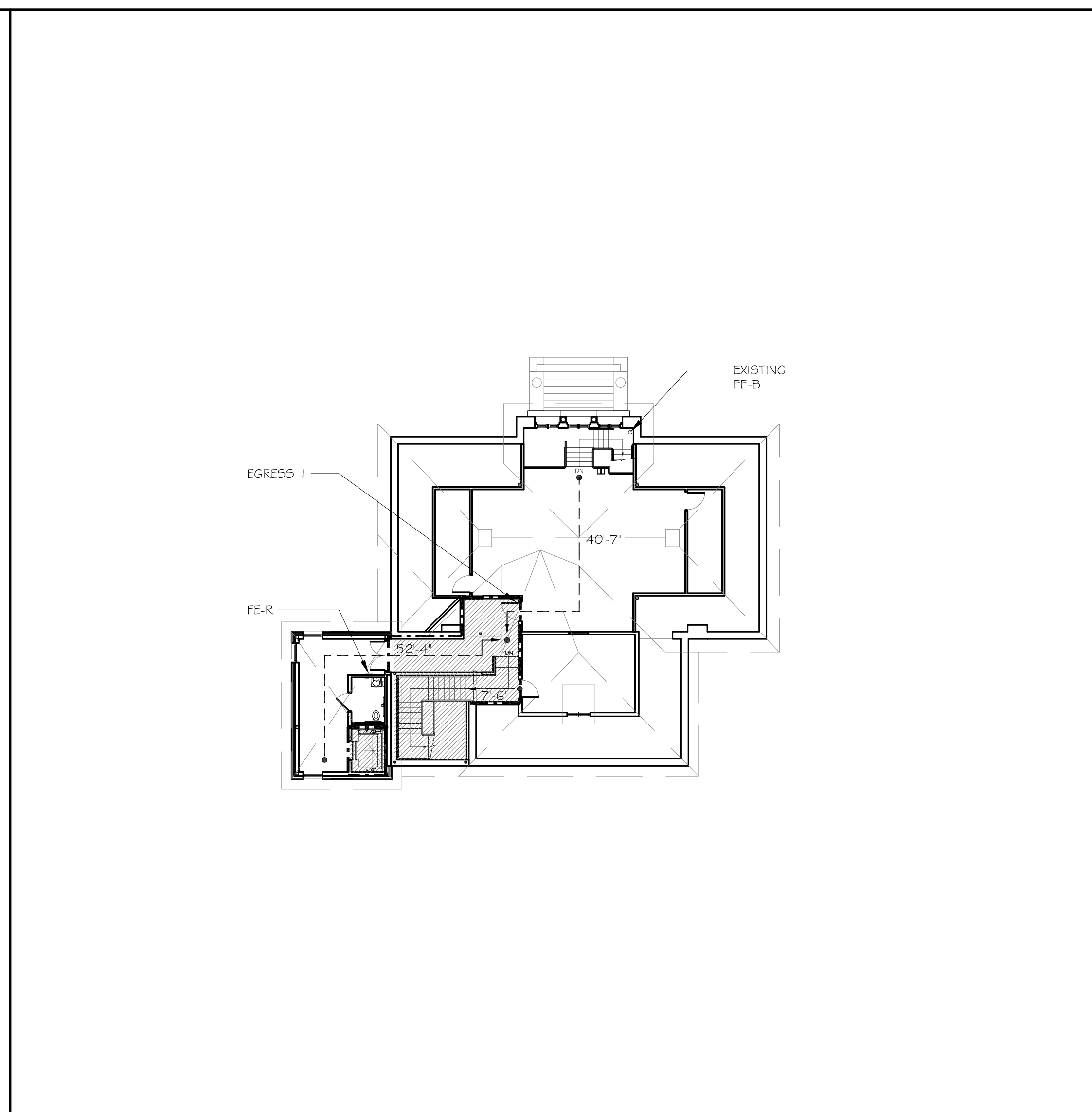
Town of Henniker, New Hampshire Tucker Free Library Addition 31 Western Ave, Henniker, NH 03242 PROJECT SUMMARY & CODE REVIEW

Table with 2 columns: # Revision, Date. Rows for PROJECT # 18160, DATE 1/17/2020, ISSUED Budget Set, DRAWN BY RD, CHECKED BY AM.

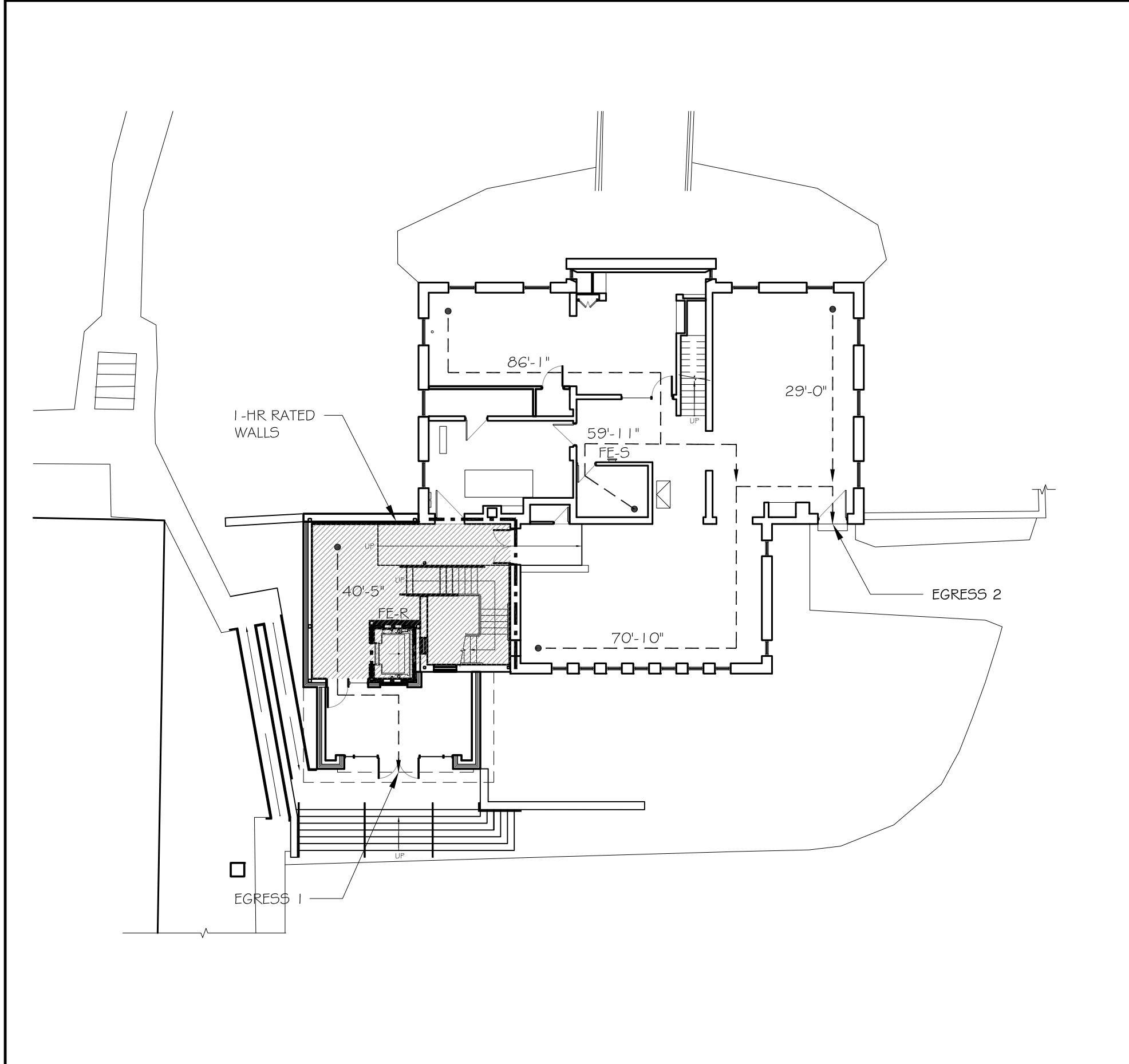
A001



2 SECOND FLOOR EGRESS & RATING PLAN
SCALE: 1/16"=1'-0"



3 THIRD FLOOR EGRESS & RATING PLAN
SCALE: 1/16"=1'-0"



1 FIRST FLOOR EGRESS & RATING PLAN
SCALE: 1/8"=1'-0"

NEW 1 HOUR RATED WALL

HATCH DENOTES FIRE RATED SPACE

PARTITION NOTES:

- SEE STRUCTURAL DRAWINGS FOR FRAMING AND SHEATHING SIZE AND INSTALLATION REQUIREMENTS.
- ALL RATED WALLS & SMOKE BARRIERS TO EXTEND TO HORIZONTAL GWB ASSEMBLY OR ROOF DECK ABOVE. SEAL ALL PENETRATIONS, DECK FLUTES, ETC. AS REQ.: FIRESTOP @ RATED WALLS, FOAM INSUL. @ OTHERS.
- ALL (NOTED) EXISTING FIRE RATED WALLS SHALL BE REVIEWED FOR COMPLETENESS, SEAL ALL PENETRATIONS, DECK FLUTES, ETC AS REQ.
- ALL (NEW) RATED WALLS & SMOKE BARRIERS TO EXTEND TO HORIZONTAL GWB ASSEMBLY OR ROOF DECK ABOVE. SEAL ALL PENETRATIONS, DECK FLUTES, ETC. AS REQ.: FIRESTOP @ RATED WALLS, FOAM INSUL. @ OTHERS.
- ALL RATED WALLS SHALL BE EFFECTIVELY & PERMANENTLY IDENTIFIED BY STENCILING THE FOLLOWING: "FIRE and/or SMOKE BARRIER - PROTECT ALL OPENINGS" LETTERING SHALL BE 2" HIGH & STATEMENT SHALL OCCUR 30'-0" ALONG WALL. LETTERING SHALL BE PLACED @ TOP OF WALL ABOVE CEILINGS OR IN ATTIC SERVICE AREAS.
- ALL REST ROOMS, SOUND & OFFICE PARTITIONS TO EXTEND TO DECK ABOVE; SEAL ALL PENETRATIONS, TYP.
- AT REST ROOMS & BEHIND COUNTERS W/ SINKS, PROVIDE M.R. GWB. IN LIEU OF GWB, INDICATED ON PARTITION TYPE.
- PROVIDE GWB CONTROL JOINTS, SPACED AS PER SPECIFICATIONS. VERIFY LOCATIONS w/ ARCHITECT IN FIELD.
- PROVIDE BLOCKING AS REQ'D @ COUNTERS, SHELVES, BATHROOM FIXTURES, DISPLAY BOARDS, ETC. TYP.
- SEE STRUCT DWGS FOR SHEAR WALL LOCATIONS & REQUIREMENTS, TYP.
- ALL DIMENSIONS ARE GIVEN TO FACE OF EXISTING WALL FINISH, FACE OF STUDS, FACE OF MASONRY WALL OR MASONRY OPENING.

WALL TYPES

S8.1 PARTITION TYPE
SCALE: 1"=1'-0"
60 MIN. RATED: UL ASSEMBLY U-419
STC RATING = 49

S6.1 PARTITION TYPE
SCALE: 1"=1'-0"
60 MIN. RATED: UL ASSEMBLY U-419
STC RATING = 49

S6 PARTITION TYPE
SCALE: 1"=1'-0"
UL ASSEMBLY
STC RATING =

S5 PARTITION TYPE
SCALE: 1"=1'-0"
60 MIN. RATED: UL ASSEMBLY U-415
STC RATING = 45

S4.1 PARTITION TYPE
SCALE: 1"=1'-0"
60 MIN. RATED: UL ASSEMBLY U-419
STC RATING = 49

S4 PARTITION TYPE
SCALE: 1"=1'-0"
UL ASSEMBLY
STC RATING = 45

F4 PARTITION TYPE
SCALE: 1"=1'-0"

PHONE: 603.228.8880
FAX: 603.228.8881
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Smp
ARCHITECTURE

Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242

FIRE RATINGS - WALL TYPES - EGRESS PLANS

PROJECT #:	18160	
DATE:	1/17/2020	
ISSUED:	Budget Set	
DRAWN BY:	RD	
CHECKED BY:	AM	
#	Revision	Date

A002

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Preliminary
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DEMOLITION PLAN KEY NOTES:

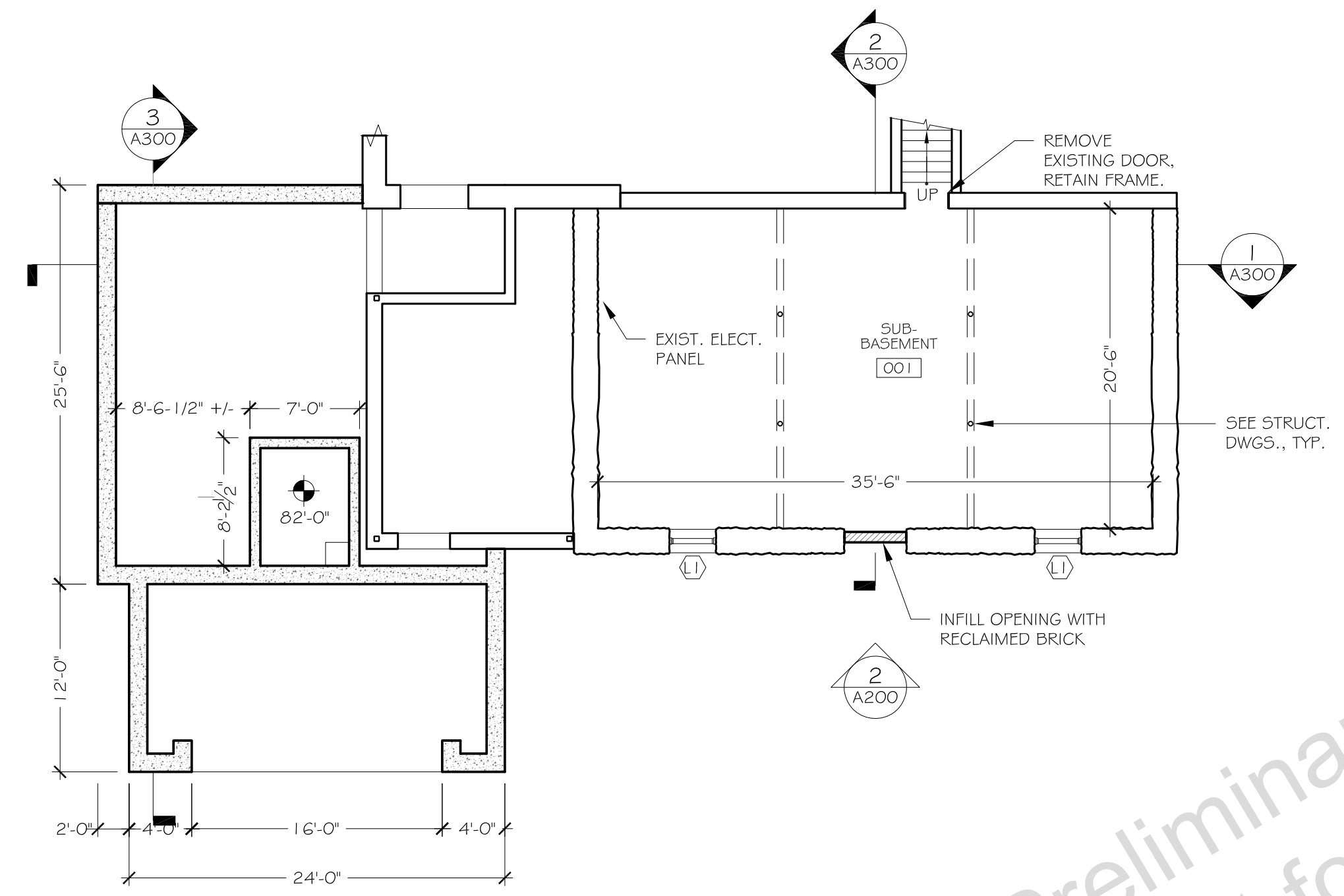
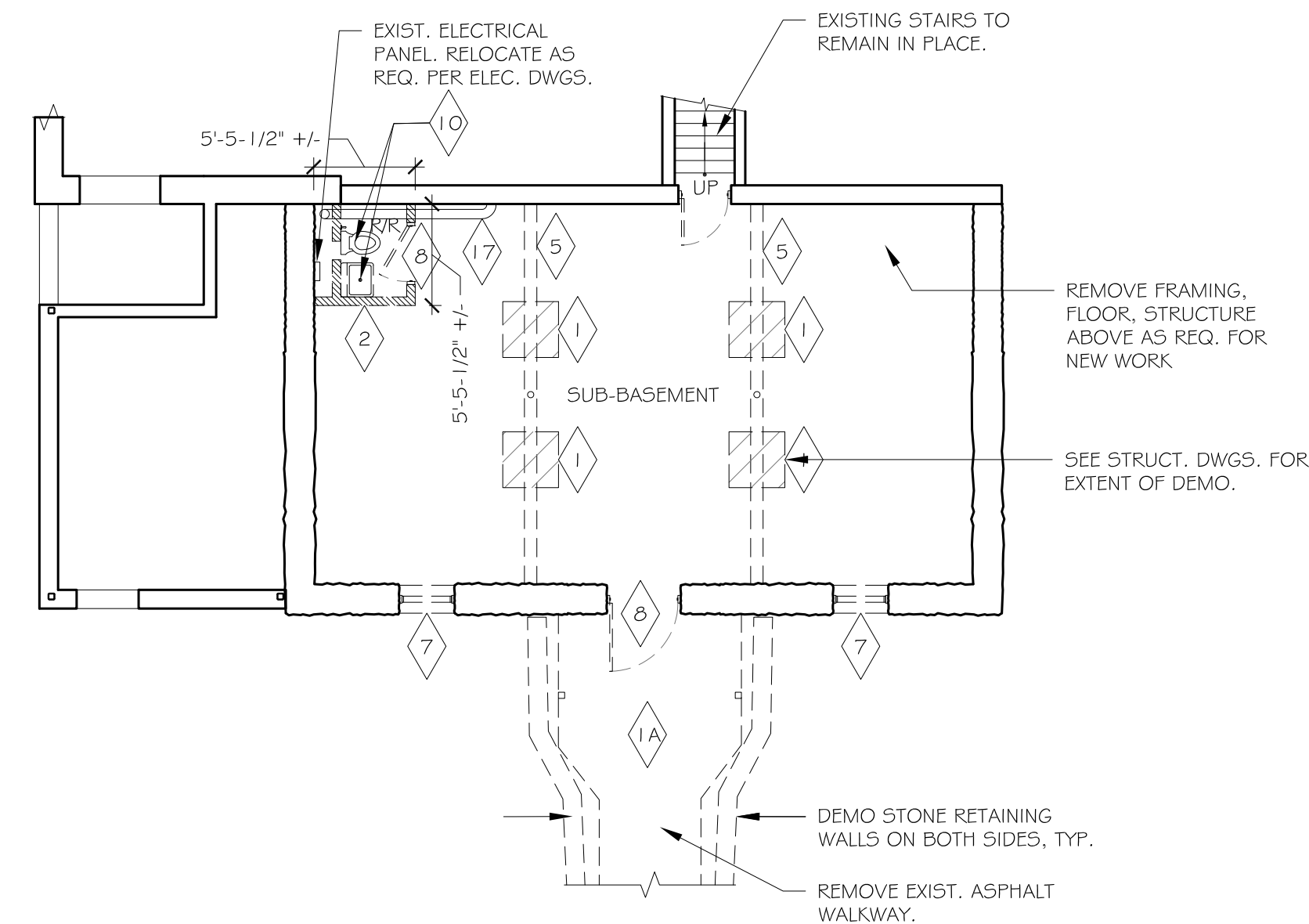
1. SAW CUT & REMOVE CONCRETE SLAB, EXCAVATE AS REQUIRED FOR NEW WORK. COORDINATE W/ RESPECTIVE DRAWINGS FOR INTENDED FINISHED RESULT.
2. REMOVE STUD WALL ASSEMBLY, OR PORTION THEREOF.
3. REMOVE MASONRY OR CONCRETE WALL ASSEMBLY, OR PORTION THEREOF.
4. REMOVE FLOOR FINISH, PAD, TRANSITION STRIPS & MASTIC DOWN TO FINISHED SURFACE. LEAVE SURFACE SMOOTH, CLEAN & READY TO RECEIVE NEW FINISH.
5. REMOVE FRAMING/STRUCTURE IN AREA INDICATED; COORDINATE WITH STRUCTURAL DRAWINGS.
6. REMOVE STAIR ASSEMBLY. REMOVE HANDRAILS.
- 6A. REMOVE EXISTING HANDRAILS ONLY. RETAIN EXISTING STAIRS.
7. REMOVE WINDOW ASSEMBLY BACK TO ROUGH OPENING.
- 7A. REMOVE WINDOW AND FRAME.
8. REMOVE DOOR AND FRAME ASSEMBLY BACK TO ROUGH OPENING.
9. REMOVE CEILING FINISH AND ASSOCIATED FRAMING SYSTEM (IF HUNG CEILING TYPE); REMOVE ALL ASSOCIATED LIGHTING, DIFFUSERS AND DEVICES.
10. REMOVE ALL TOILET FIXTURES, ACCESSORIES, AND PARTITIONS.
11. REMOVE PLUMBING FIXTURES, SHUT OFF, DISCONNECT AND CAP ALL ASSOCIATED PIPING.
12. REMOVE DOOR, FRAME TO REMAIN
13. REMOVE ELECTRICAL FIXTURES, SHUT OFF, DISCONNECT AND CAP ALL ASSOCIATED WIRING.
14. REMOVE EXISTING CASEWORK.
15. REMOVE AND RETAIN TRIM AND BASEBOARD. COORDINATE W/RESPECTIVE DRAWING FOR INTENDED FINISHED RESULT.
16. REMOVE EXISTING MACHINERY AND ALL ASSOCIATED MATERIALS.
17. REMOVE EXISTING HVAC AND DUCTWORK.
18. REMOVE WHOLE FLOOR ASSEMBLY IN E-ROOM; THIS INCLUDES WOOD JOISTS, DECK, CARPET, ETC.

GENERAL NOTES

1. REFERENCE ELEVATION 1 00'-0" = EXISTING LIBRARY MAIN LEVEL
2. SEE CIVIL PLANS FOR SITE INFORMATION.
3. SEE STRUCTURAL PLANS FOR STRUCTURAL DETAILS, UNTEL SIZES & NOTES.
4. SEE MECHANICAL DRAWINGS FOR DUCT SIZES.
5. SEE A002 FOR WALL TYPES.
6. ALL DIMENSIONS ARE GIVEN TO FACE OF EXISTING WALL FINISH, FACE OF STUDS, FACE OF MASONRY WALL OR MASONRY OPENING, CENTER OF STRUCT. STEEL
7. ALL DOORS TO BE INSTALLED WITH HINGE SIDE 4" FROM NEAREST INSIDE CORNER, UNLESS OTHERWISE DIMENSIONED.
8. PROVIDE BLOCKING AS REQ. FOR TOILET ACCESSORIES, CABINETS, SHELVES, ETC.
9. PROVIDE FIREBLOCKING/FIRESTOPPING AS REQ. AT PENETRATIONS IN RATED WALLS/CEILINGS, TYP.
10. PROVIDE LOW PRESSURE SPRAY FOAM INSULATION AROUND ALL DOORS, WINDOWS, ETC., WHERE NECESSARY IN EXTERIOR WALLS TO MEET AIR INFILTRATION REQUIREMENTS, SEE SPECIFICATIONS.
11. PROVIDE SEALANT AS REQUIRED AT TRIM, WINDOWS, ETC., TYP.
12. ALL PAINTS AND ADHESIVES TO BE LOW V.O.C.
13. PATCH TO MATCH EXISTING AS REQUIRED DUE TO NEW WORK.
14. ALL EXTERIOR GRADE MOUNTED MECHANICAL EQUIPMENT TO BE ON CONC. SLAB. SEE MECHANICAL, STRUCTURAL AND CIVIL DRAWINGS.
15. ALL EXTERIOR CONC. PADS SHALL PITCH AWAY FROM BUILDING 1/4" PER FT., UNLESS OTHERWISE NOTED.
16. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY QUESTIONS / CLARIFICATIONS REGARDING NOTATIONS, DETAILS, ETC. PRIOR TO INSTALLATION.

GENERAL DEMOLITION NOTES:

1. OWNER WILL OCCUPY THE BUILDING FOR THE DURATION OF THE PROJECT; CONTRACTOR SHALL PHASE AND SEPARATE THE WORK TO MEET OWNERS OPERATIONAL AND SAFETY REQUIREMENTS.
2. CONTRACTOR SHALL PROVIDE MEANS TO MAINTAIN NEGATIVE PRESSURE IN OCCUPIED BUILDING @ ALL TIMES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXG. CONDITIONS IN THE FIELD PRIOR TO ANY DEMOLITION OR CONSTRUCTION. ANY DISCREPANCIES RELATING TO THE DWG'S SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
4. THE CONTRACTOR SHALL BE AWARE OF SELECTIVE DEMOLITION @ ALL SECTIONS OF WORK, REVIEWING ALL NEW & RENOVATION DETAILS TO DETERMINE WHAT IS TO BE REMOVED OR TO REMAIN & WILL BE RESPONSIBLE FOR REPLACEMENT IN- KIND ALL WORK INADVERTENTLY REMOVED.
5. THE CONTRACTOR SHALL REMOVE ITEMS TO BE DEMOLISHED AS INDICATED ON THE DWG'S W/ CARE BEING TAKEN NOT TO DAMAGE ADJACENT WALLS, CEILINGS, FLOORS, FINISHES, CASEWORK OR MILLWORK SCHEDULED TO REMAIN. THE WORK AREA WILL BE LEFT CLEAN & READY TO RECEIVE NEW WORK.
6. CONTRACTOR SHALL COORDINATE DEMOLITION REQUIREMENTS WITH THAT OF NEW WORK AND EQUIPMENT TO ENSURE NEW EQUIPMENT CAN BE MOVED INTO INTENDED FINAL POSITION. ITEM NOT INDICATED SPECIFICALLY INDICATED ON THE DEMOLITION DRAWINGS, BUT REQUIRED FOR INSTALLATION OF NEW WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RECYCLING & LEGALLY DISPOSING OF ALL MATERIALS.
8. PATCH & REPAIR ALL EXG. TO REMAIN WALLS, FLOORING, & CEILINGS DAMAGED DURING DEMOLITION OR REMOVAL OF EXG. CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER AREAS OF PATCHING, REPAIR & INFILL.
9. PROVIDE ROUGH OPENINGS AS REQ'D FOR NEW MECHANICAL, ELECTRICAL, OR PLUMBING - COORDINATE W/ M, E, & P DWG'S.
10. SEE MECHANICAL, PLUMBING & ELECTRICAL DWG'S FOR ADDITIONAL DEMO INFORMATION.
11. EXG. EQUIPMENT DESIGNATED TO BE RE-USED SHALL BE CAREFULLY REMOVED, ADEQUATELY STORED, & RE-INSTALLED ACCORDING TO DWG'S. COORDINATE ANY TEMPORARY CAPPING OF WATER & UTILITY LINES AS REQ'D.
12. STRUCTURAL STEEL ENCOUNTERED TO REMAIN. COORDINATE WITH ENGINEER AND ARCHITECT.



2 FOUNDATION/SUB-BASEMENT FLOOR PLAN - DEMOLITION
SCALE: 1/8"= 1'-0"

1 FOUNDATION/SUB-BASEMENT PLAN - PROPOSED
SCALE: 1/8"= 1'-0"

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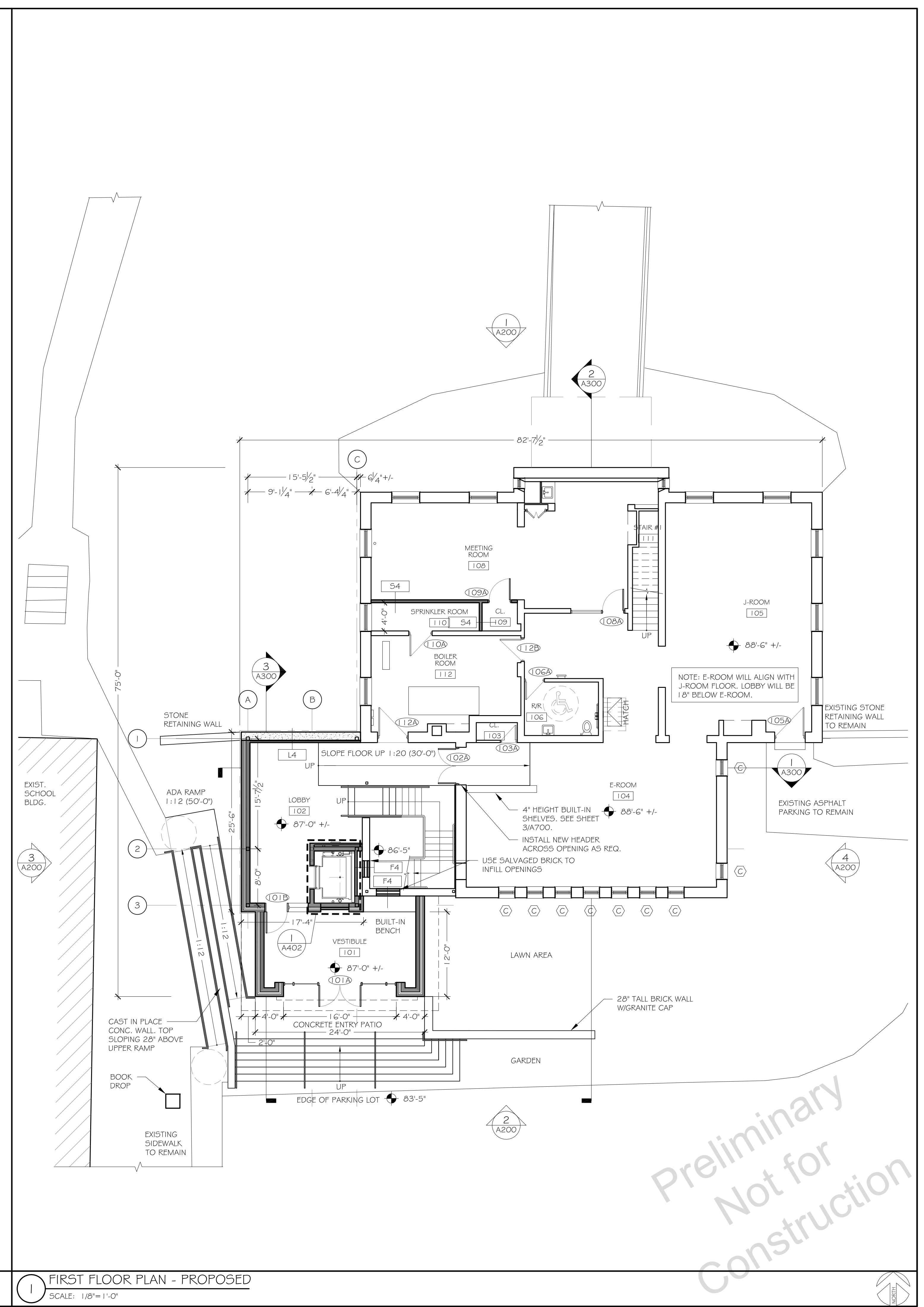


Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
RENOVATION/DEMOLITION FLOOR PLANS

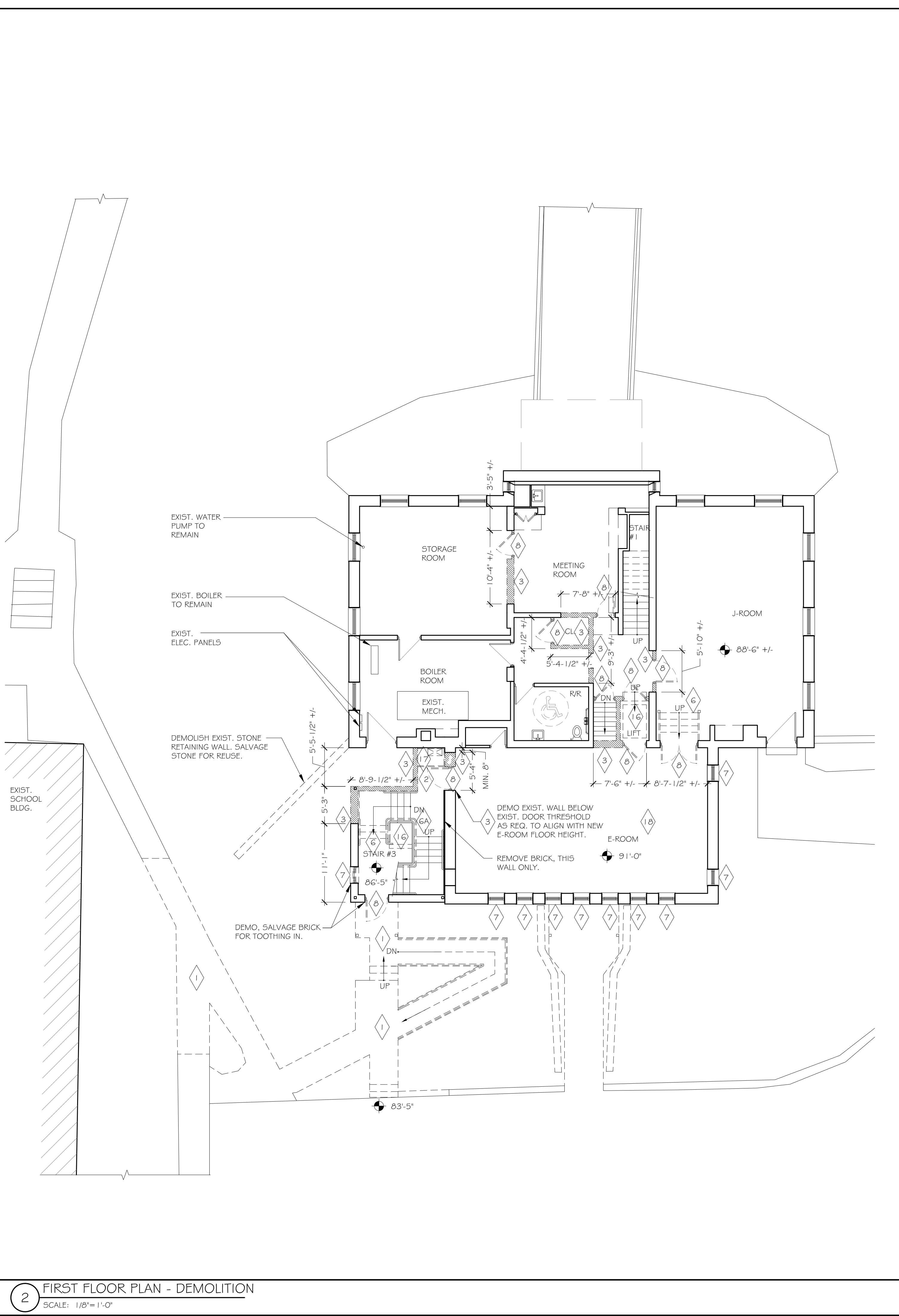
PROJECT #:	18160	
DATE:	1/17/2020	
ISSUED:	Budget Set	
DRAWN BY:	RD	
CHECKED BY:	AM	
#	Revision	Date

A100

PROJECT #:	18160	
DATE:	1/17/2020	
ISSUED:	Budget Set	
DRAWN BY:	RD	
CHECKED BY:	AM	
#	Revision	Date



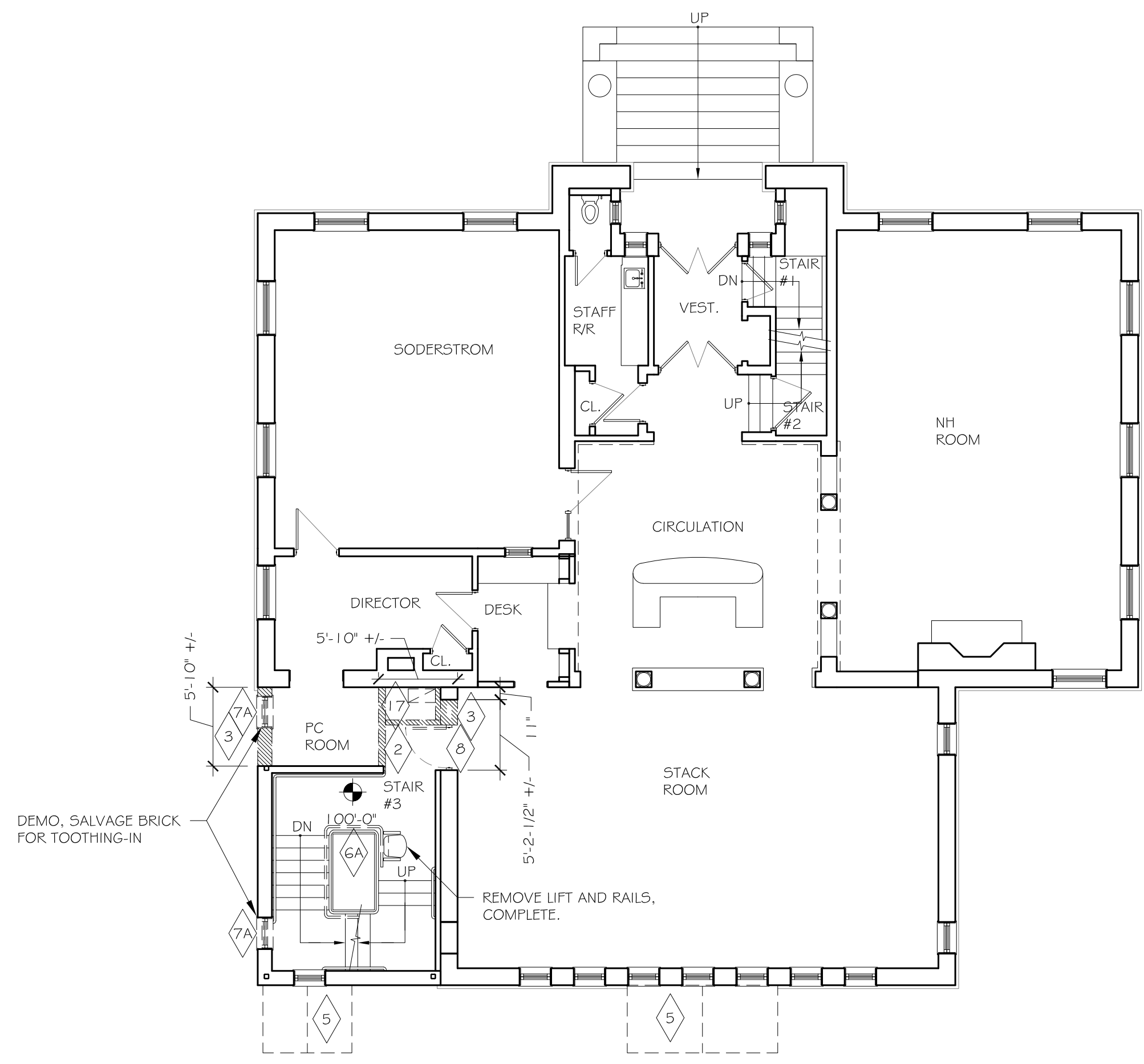
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 SCALE: 1/8"=1'-0"



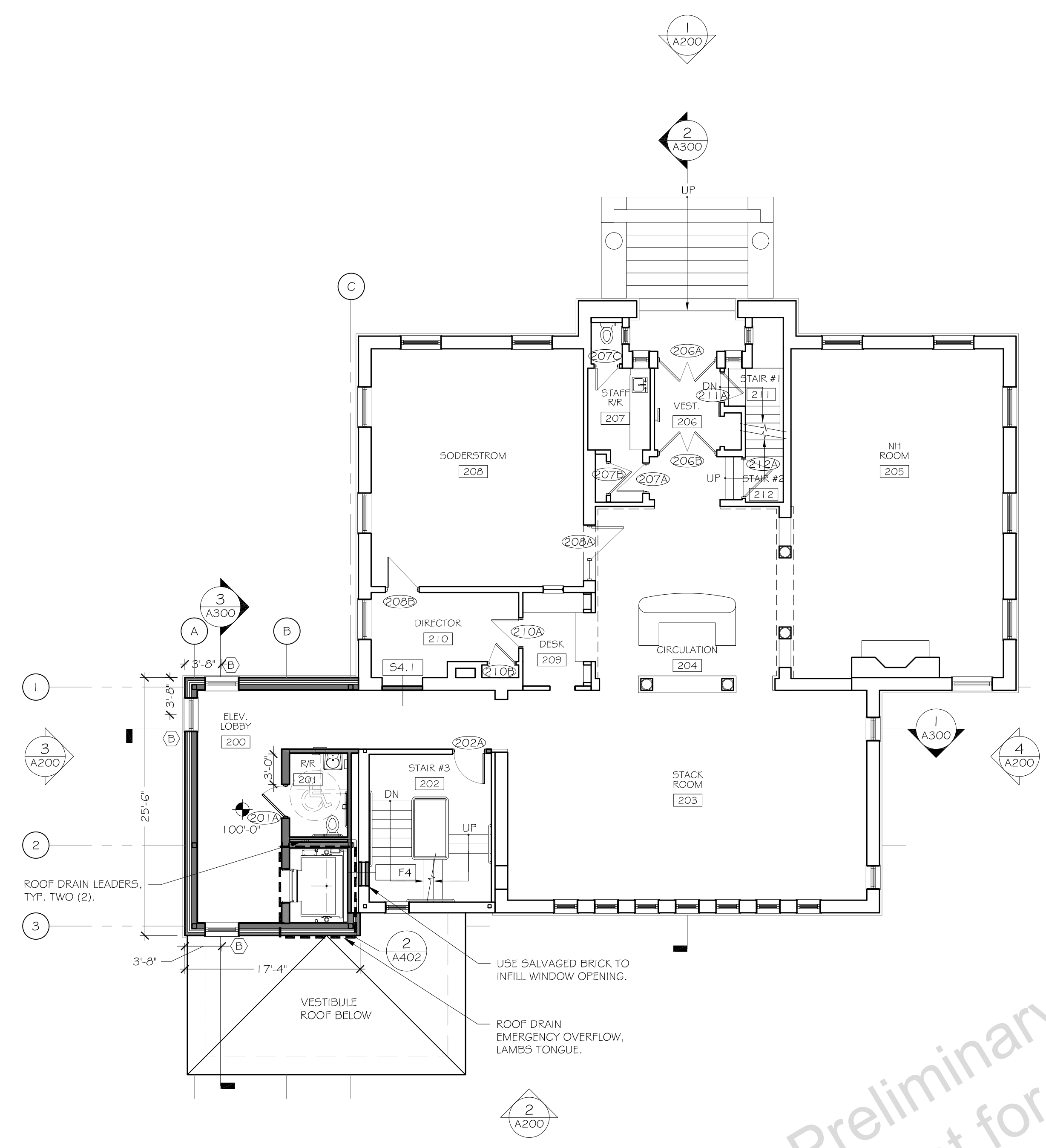
2 FIRST FLOOR PLAN - DEMOLITION
 SCALE: 1/8"=1'-0"

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2 SECOND FLOOR PLAN - DEMOLITION
 SCALE: 1/8" = 1'-0"



1 SECOND FLOOR PLAN - PROPOSED
 SCALE: 1/8" = 1'-0"

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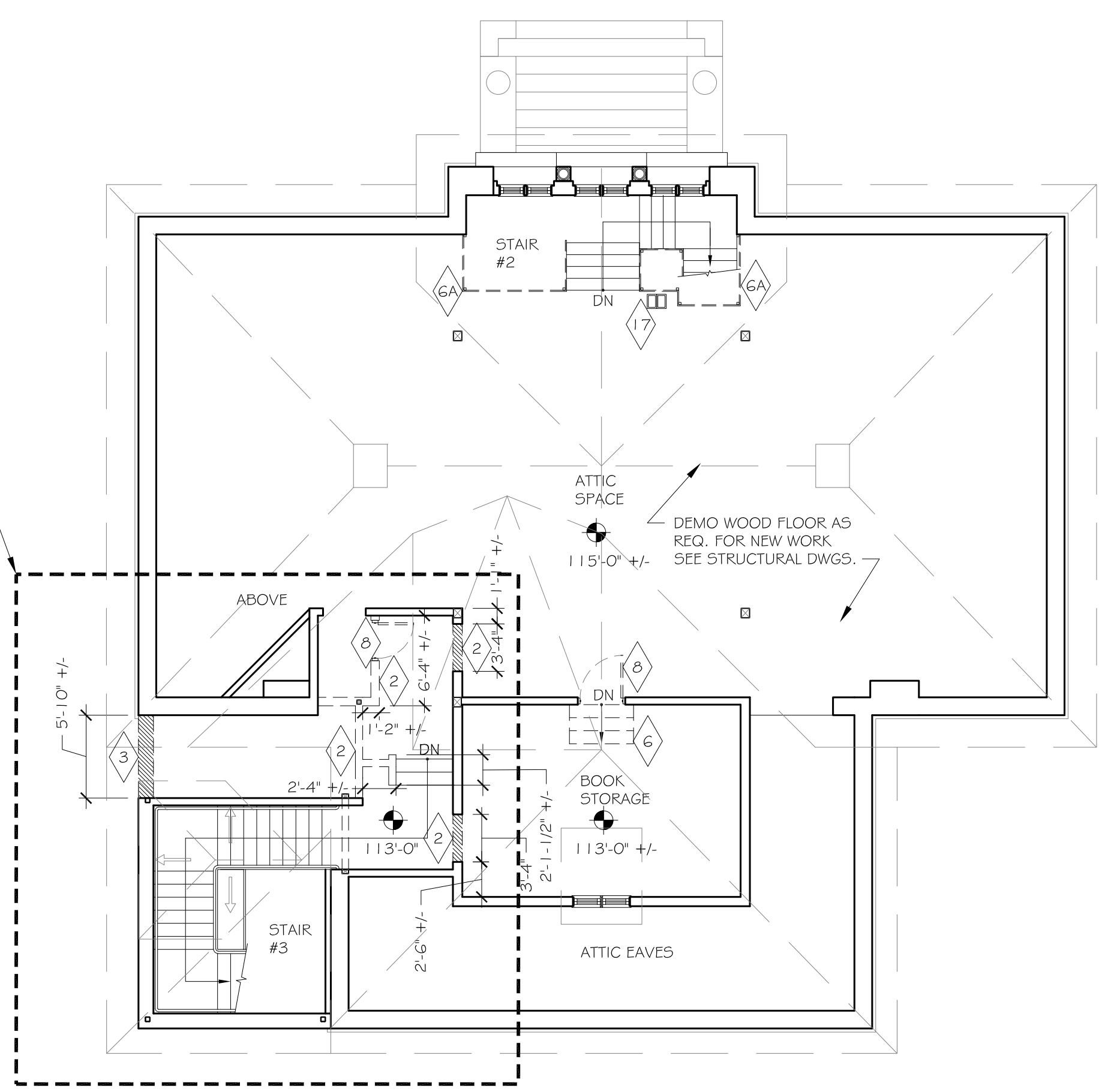


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 Tucker Free Library Addition
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RENOVATION/DEMOLITION FLOOR PLANS

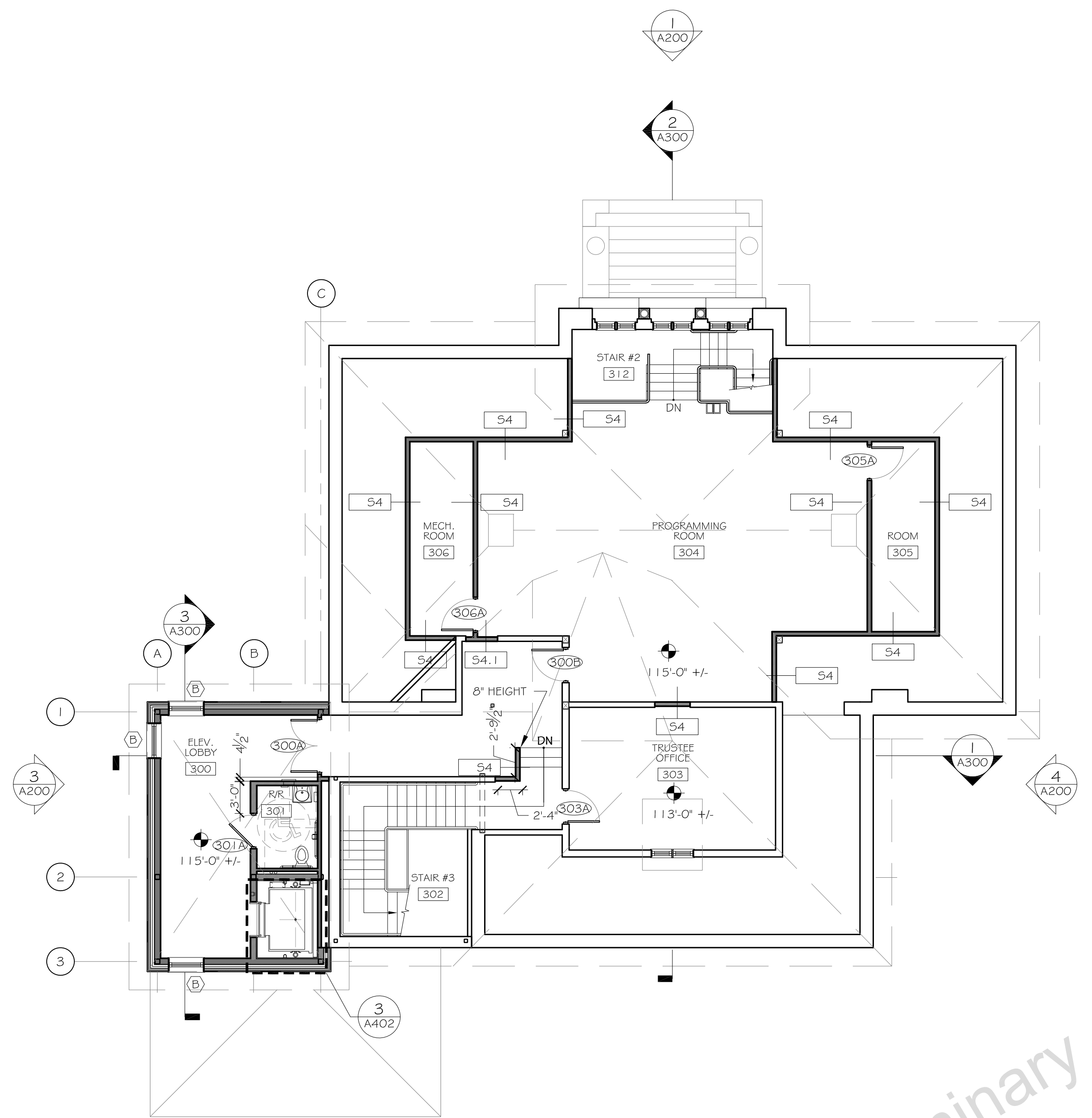
PROJECT #:	18160
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ISSUED:	Budget Set
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# Revision	Date

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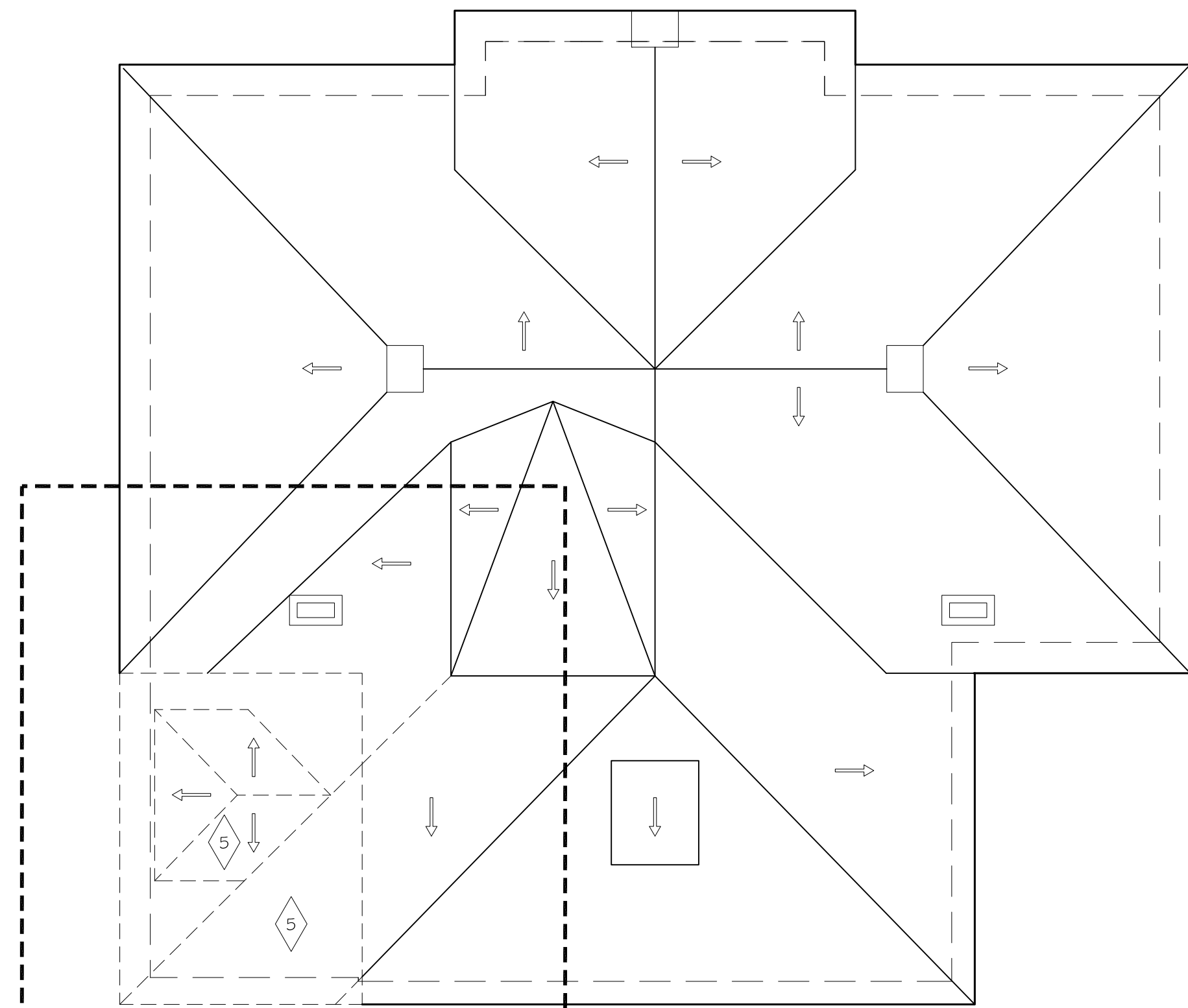
NOTE: MODIFICATIONS OF THE EXISTING ROOF FRAMING IS REQ. NOT EVERYTHING IS WORKED OUT YET. ASSUME CONSIDERABLE NEW WORK THIS AREA. SEE STRUCT. DWGS.

2 THIRD FLOOR PLAN - DEMOLITION
 SCALE: 1/8" = 1'-0"

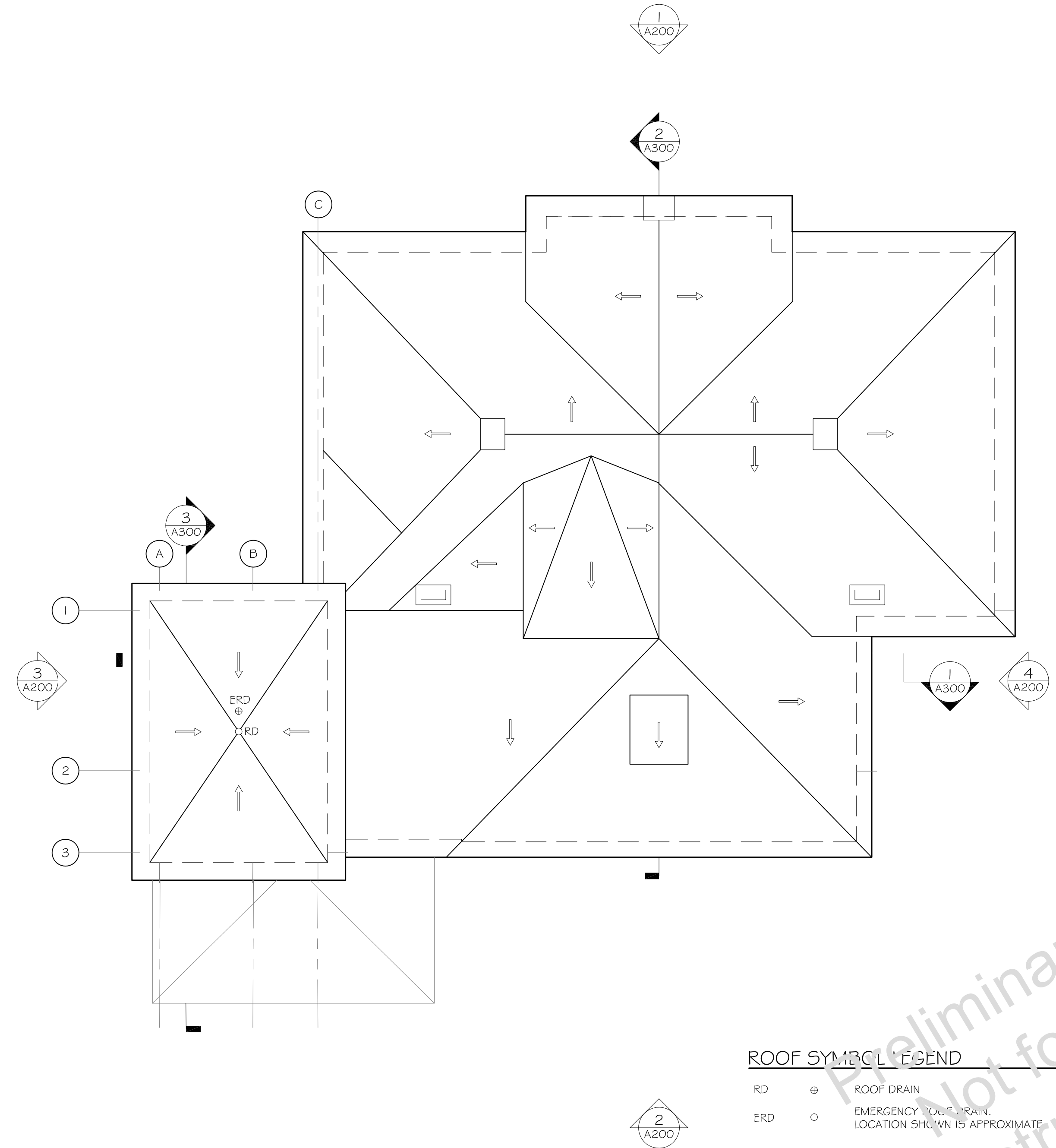


1 THIRD FLOOR PLAN - PROPOSED
 SCALE: 1/8" = 1'-0"

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2 ROOF PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



1 ROOF PLAN - PROPOSED
SCALE: 1/8"=1'-0"

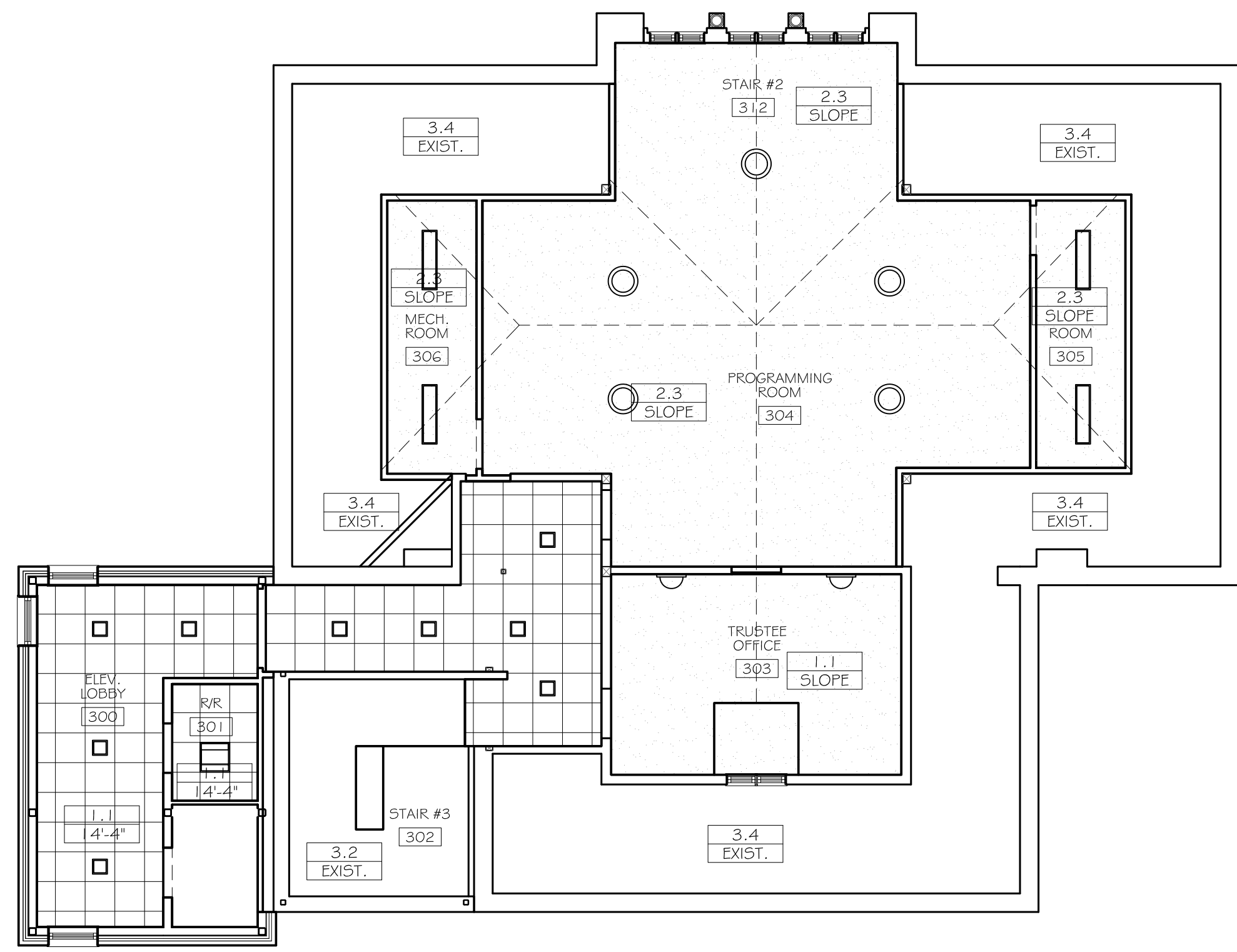
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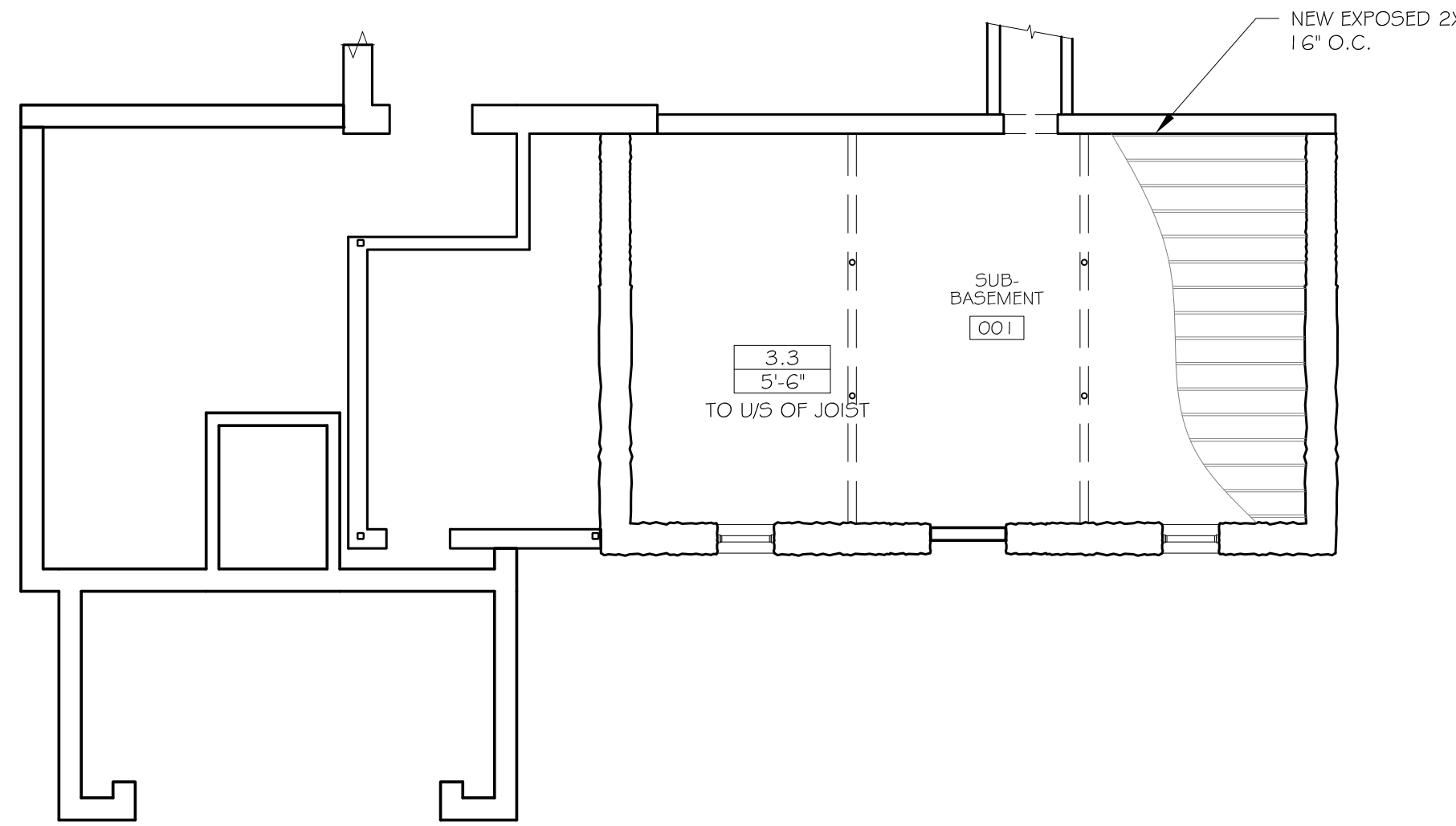
Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
RENOVATION/DEMOLITION FLOOR PLANS

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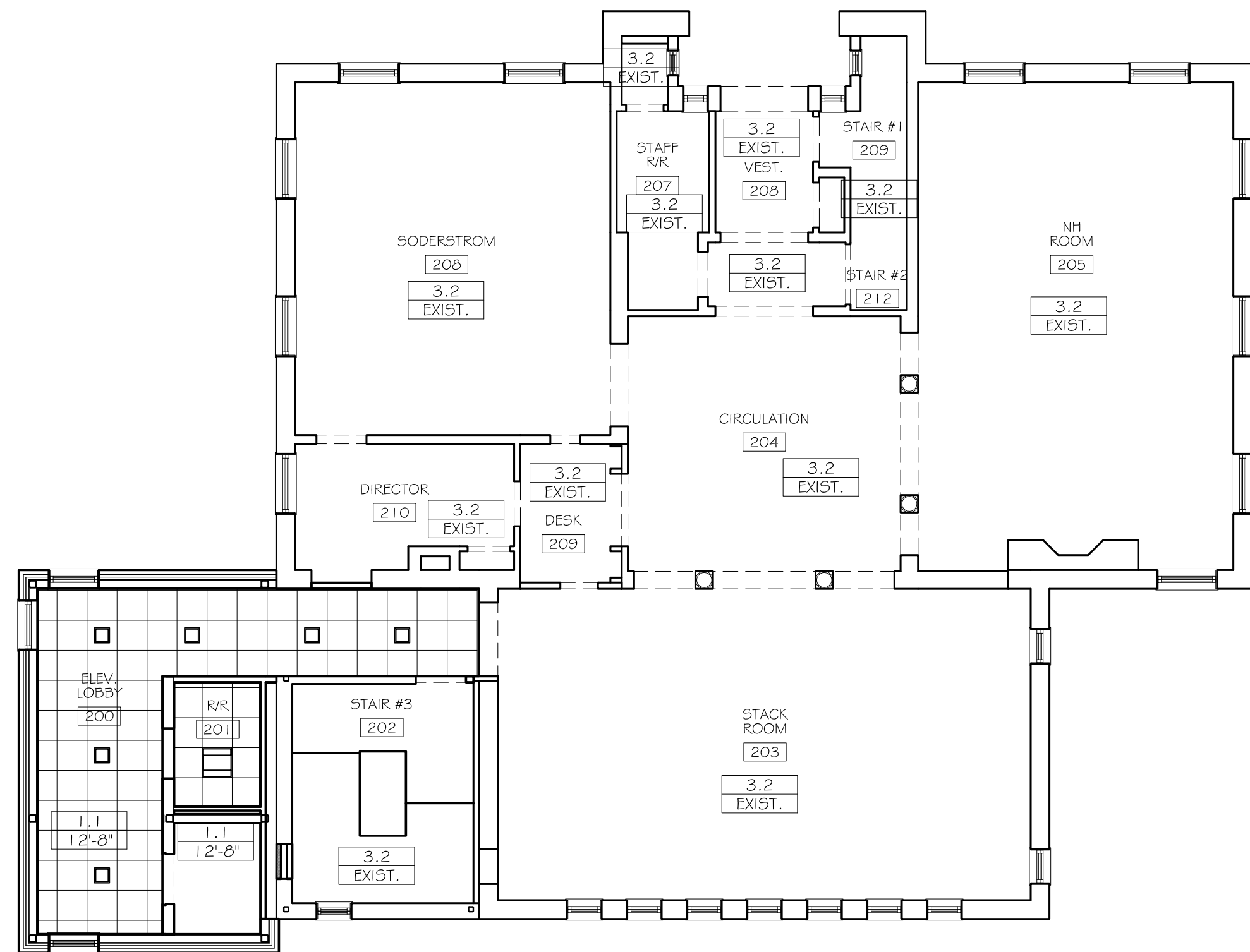
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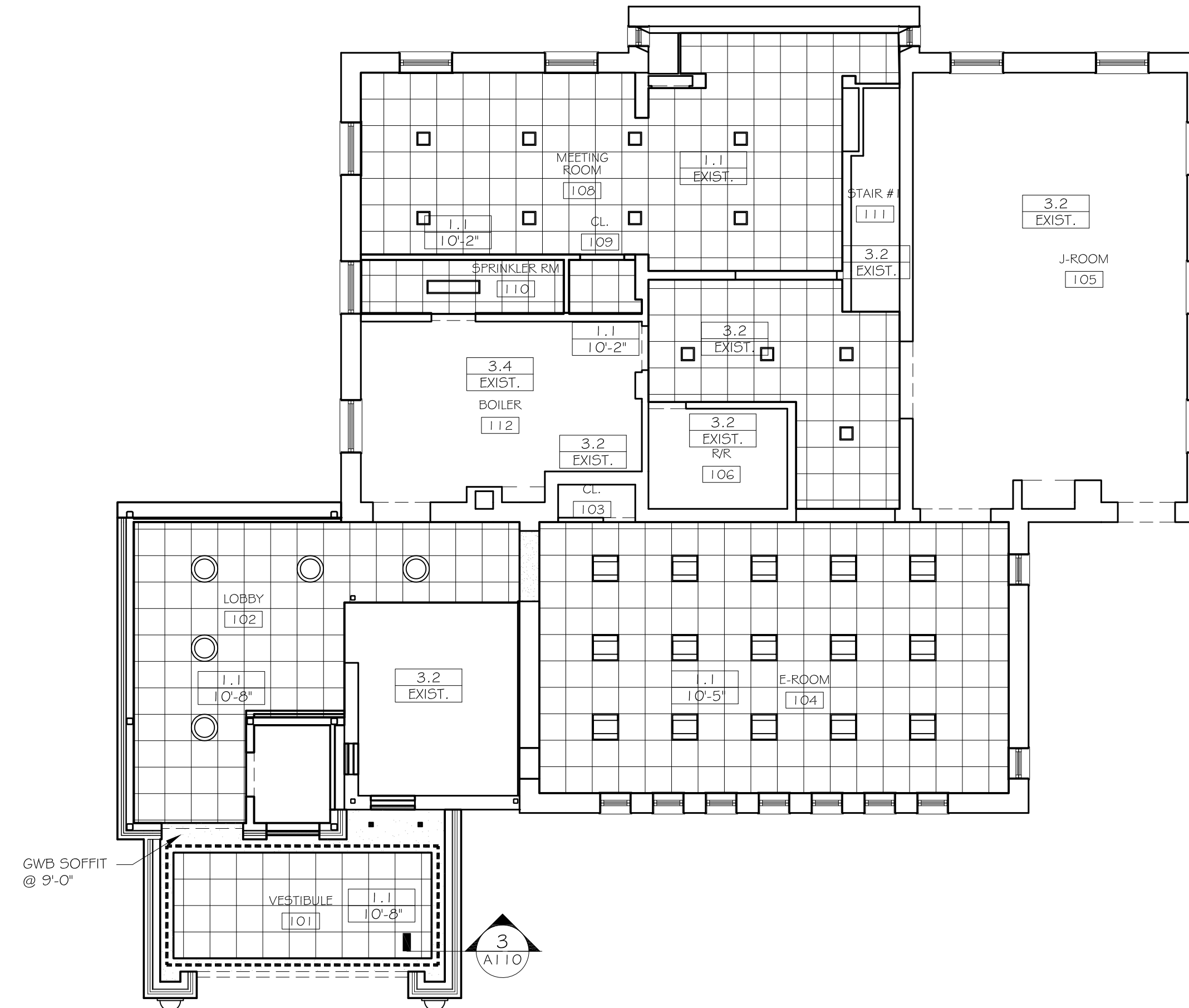
5 THIRD FLOOR PLAN - RCP
SCALE: 1/8"=1'-0"



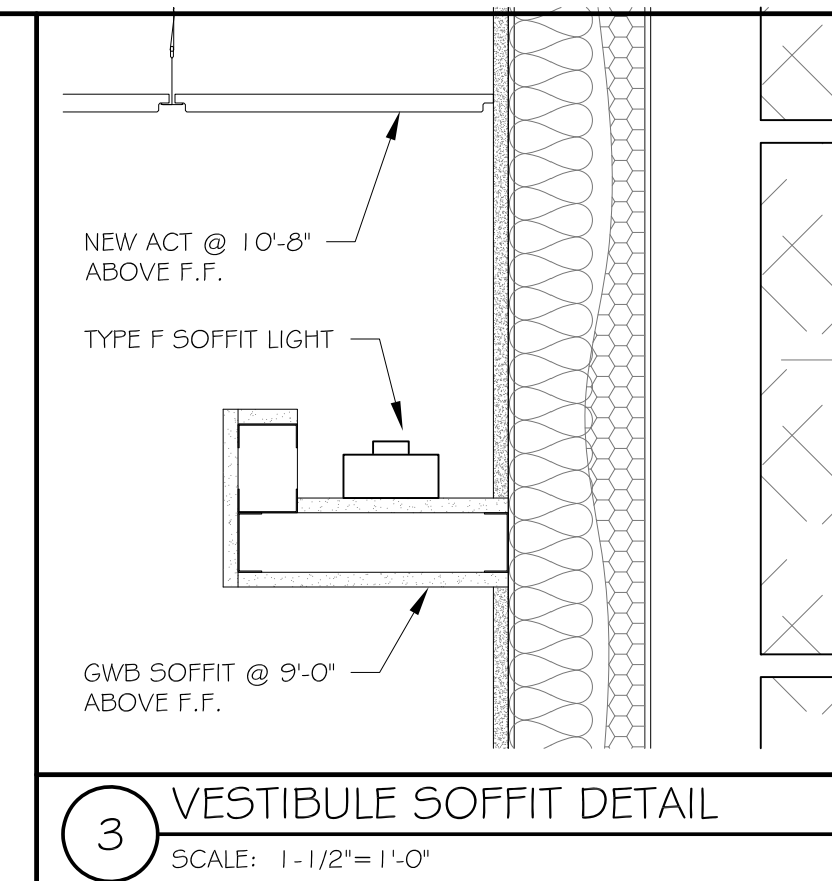
2 SUB-BASEMENT - RCP
SCALE: 1/8"=1'-0"



4 SECOND FLOOR PLAN - RCP
SCALE: 1/8"=1'-0"



1 FIRST FLOOR PLAN - RCP
SCALE: 1/8"=1'-0"



3 VESTIBULE SOFFIT DETAIL
SCALE: 1-1/2"=1'-0"

GENERAL RCP NOTES

- ALL HEIGHTS FROM FINISH FLOOR IN SPACE UNLESS OTHERWISE NOTED.
- SEE MECHANICAL DRAWINGS FOR DIFFUSER TYPES AND HVAC LAYOUTS.
- SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LIGHTING LAYOUTS.
- CENTER TILE WITHIN ROOM IN ALL LOCATIONS, UNLESS OTHERWISE SHOWN.
- CENTER ALL SPRINKLER HEADS IN CENTER OF TILE, TYP.
- CONTRACTOR TO COORDINATE WITH OWNERS VENDOR FOR LOCATION OF CEILING MOUNTED CAMERAS, WAP'S, MICROPHONES AND OTHER SIMILAR DEVICES.

CEILING TYPE LEGEND

ACOUSTIC CEILING SYSTEMS

- 24 x 24, TEGULAR EDGE; ARMSTRONG DUNE WITH 15/16" SUPRAFINE GRID, WHITE
- ARMSTRONG, HIGH NRC ULTIMA SQUARE EDGE, WHITE

GWB SYSTEMS

- 5/8" GWB PTD. - ATTACH TO RIGID LIGHT GAUGE METAL FRAMING SYSTEM.
- NOT USED
- 5/8" * GWB PTD. ATTACH TO UNDERSIDE OF EXIST. FRAMING.

- PATCH, REPAIR OR RECONSTRUCT EXISTING HARD CEILING FINISH; MATCH EXISTING FINISH TEXTURE; PAINT ENTIRE CEILING
- EXISTING TO REMAIN; PROVIDE NEW PAINT
- NEW EXPOSED STRUCTURE
- EXPOSED STRUCTURE; PROVIDE SPRAY APPLIED THERMAL BARRIER OVER NEW TYPE ___ INSULATION.

REFLECTED CEILING LEGEND

- 1-1 9'-6" CEILING TYPE HEIGHT
- INDICATES PAINTED GWB CEILING
- SPRINKLER HEAD, SEE FIRE PROTECTION DWGS
- MECHANICAL SUPPLY AND RETURN; SEE MECH DWGS
- MECHANICAL EQUIPMENT; SEE MECH DWGS

LIGHT SYMBOL LEGEND

- TYPE A: METALLIX, 22FP LED 2' x 2' RECESSED LIGHT FIXTURE
- TYPE B: CAMMAN P8000 ATHENS 24" PENDANT
- TYPE C: ALPHABET LEDRA, 18" x 18" SQUARE DOWNLIGHT XICATO 4" x 4" RECESSED LED
- TYPE D: CAMMAN W190 SOMERSET WALL SCONCE FIXTURE
- TYPE E: AXIS, DAY 1X1 LED 12" x 12" LIGHT FIXTURE
- TYPE F: AXIS COVE CGL SOFFIT LIGHT
- TYPE G: METALLIX WSNLED 12' x 48" CHAIN MOUNTED UTILITY LIGHT

NOTE: EMERGENCY LIGHTING, EXIT SIGNS ETC ARE NOT SHOWN ON THIS DRAWING AT THIS TIME.

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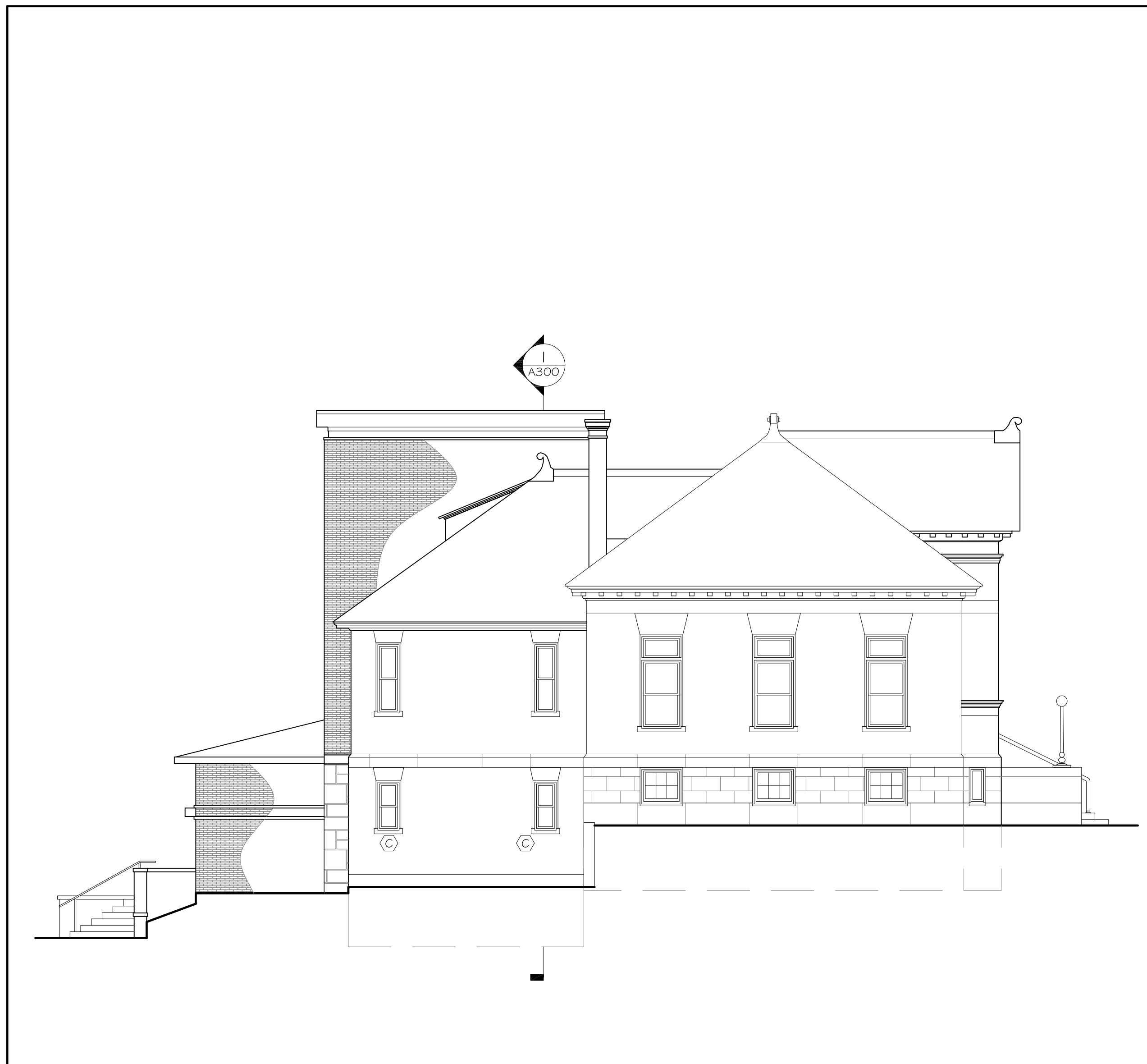
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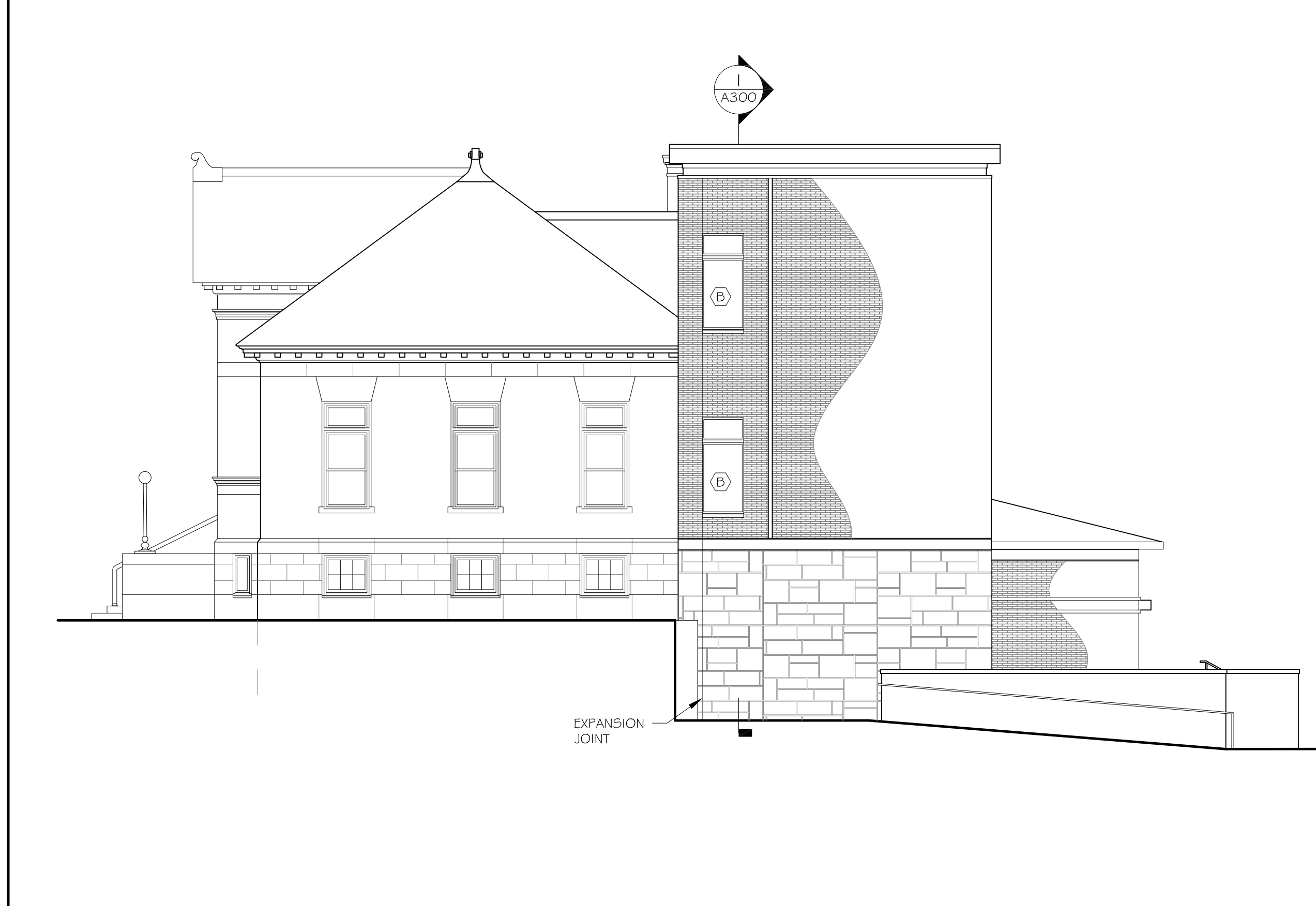
Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
REFLECTED CEILING PLAN

PROJECT #:	16160
DATE:	1/17/2020
ISSUED:	Budget Set
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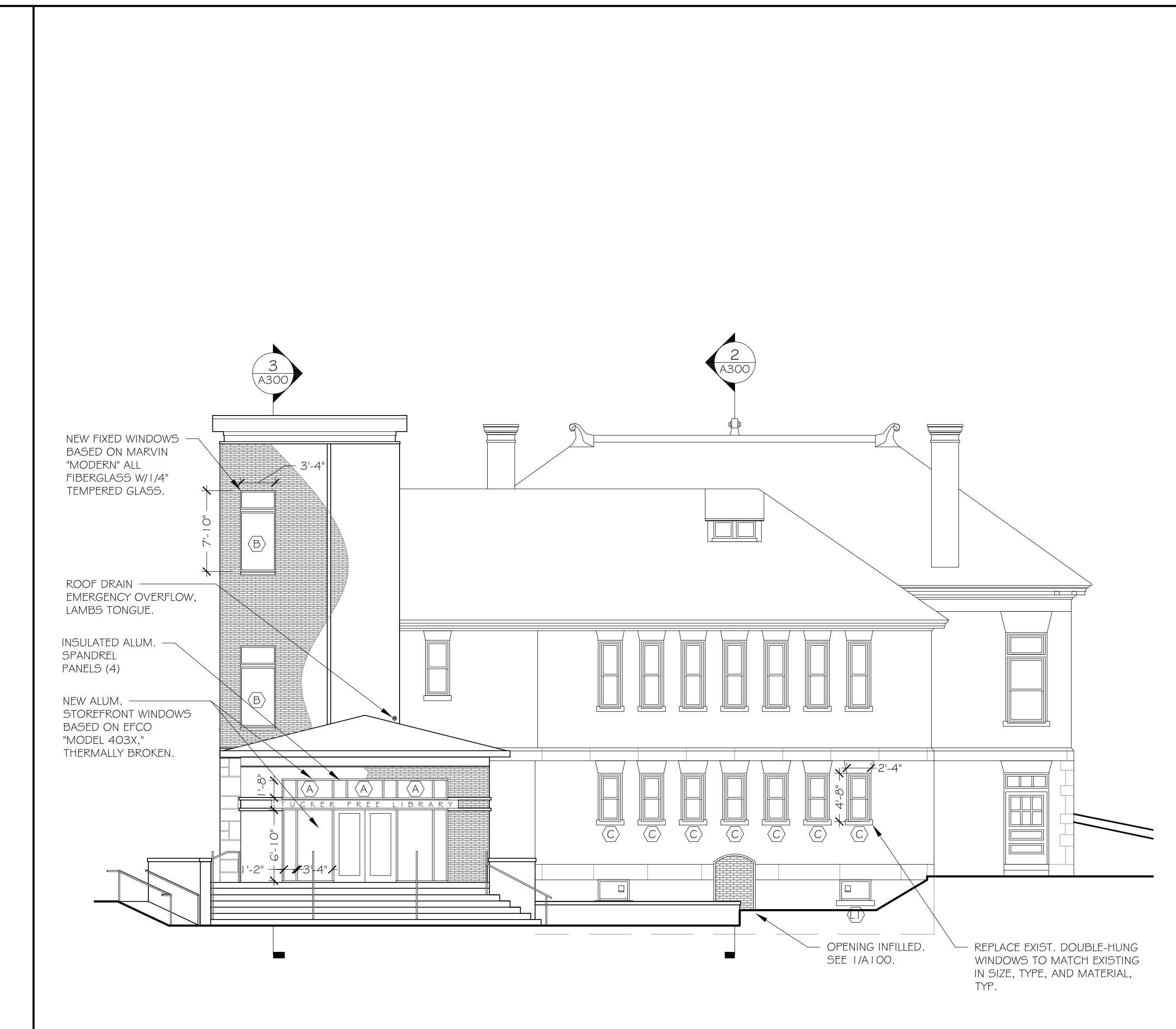




4 EAST ELEVATION
SCALE: 1/8"=1'-0"



3 WEST ELEVATION
SCALE: 1/8"=1'-0"



2 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



1 NORTH ELEVATION
SCALE: 1/8"=1'-0"

GENERAL NOTES

1. PROVIDE MOUNTING BLOCKS FOR ALL EXTERIOR LIGHTING FIXTURES, HOSE BIBS, EXTERIOR OUTLETS, ETC. SIZE BLOCKS LARGER THAN FIXTURE AND ALIGN BLOCKS WITH SIDING COURSE.
2. PAINT ALL EXTERIOR GRILLES / VENTS TO MATCH SIDING COLOR, TYP.
3. PROVIDE CELLULAR PVC TRIM INSTALLED w/ CONCEALED FASTENERS.
4. COORD. ELECTRICAL, MECHANICAL AND PLUMBING w/ ENGINEERING DWGS.
5. ALL BREAK MTL. COPINGS, FLASHING, ETC. TO BE PREFINISHED ALUM.

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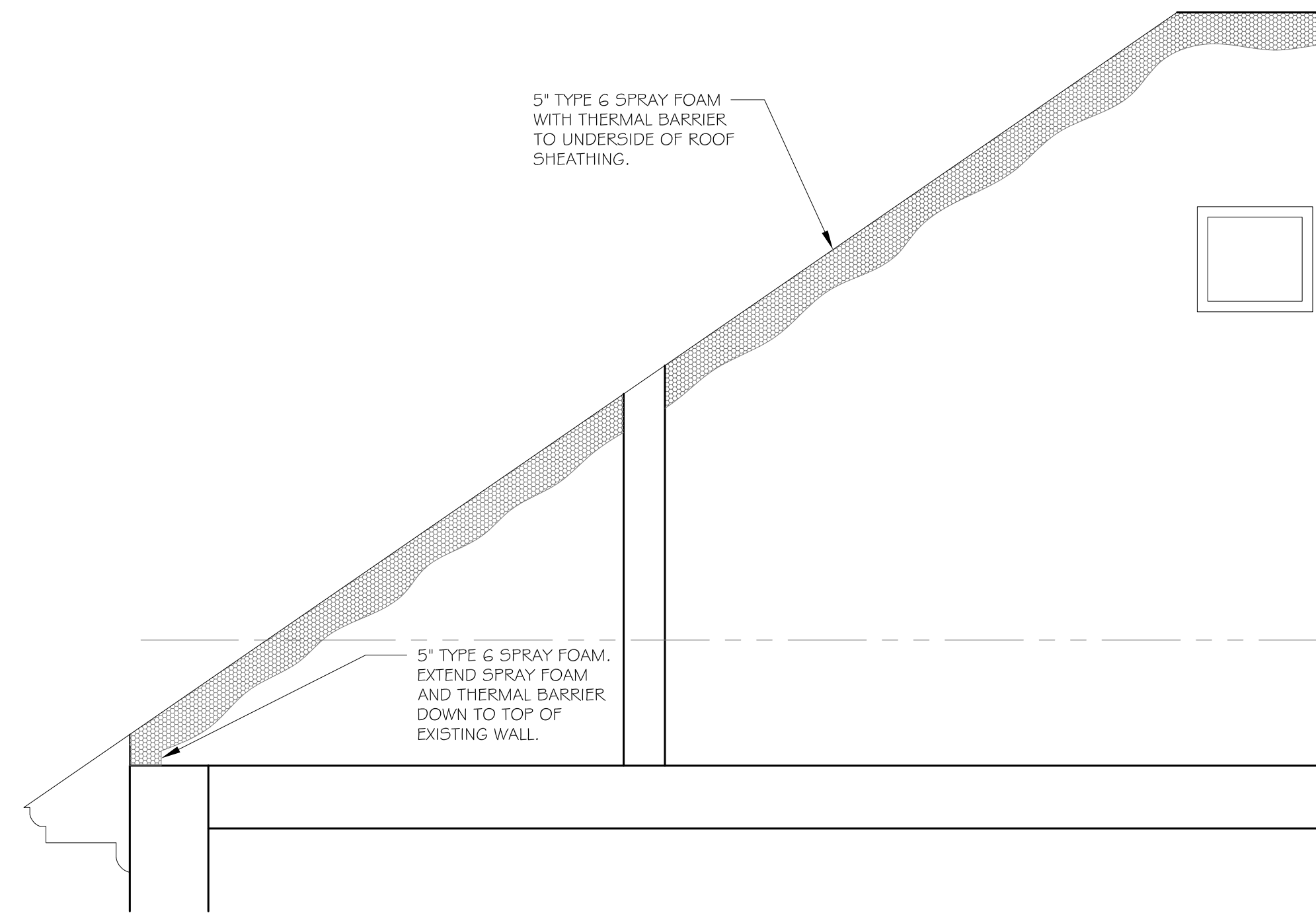


Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
EXTERIOR ELEVATIONS

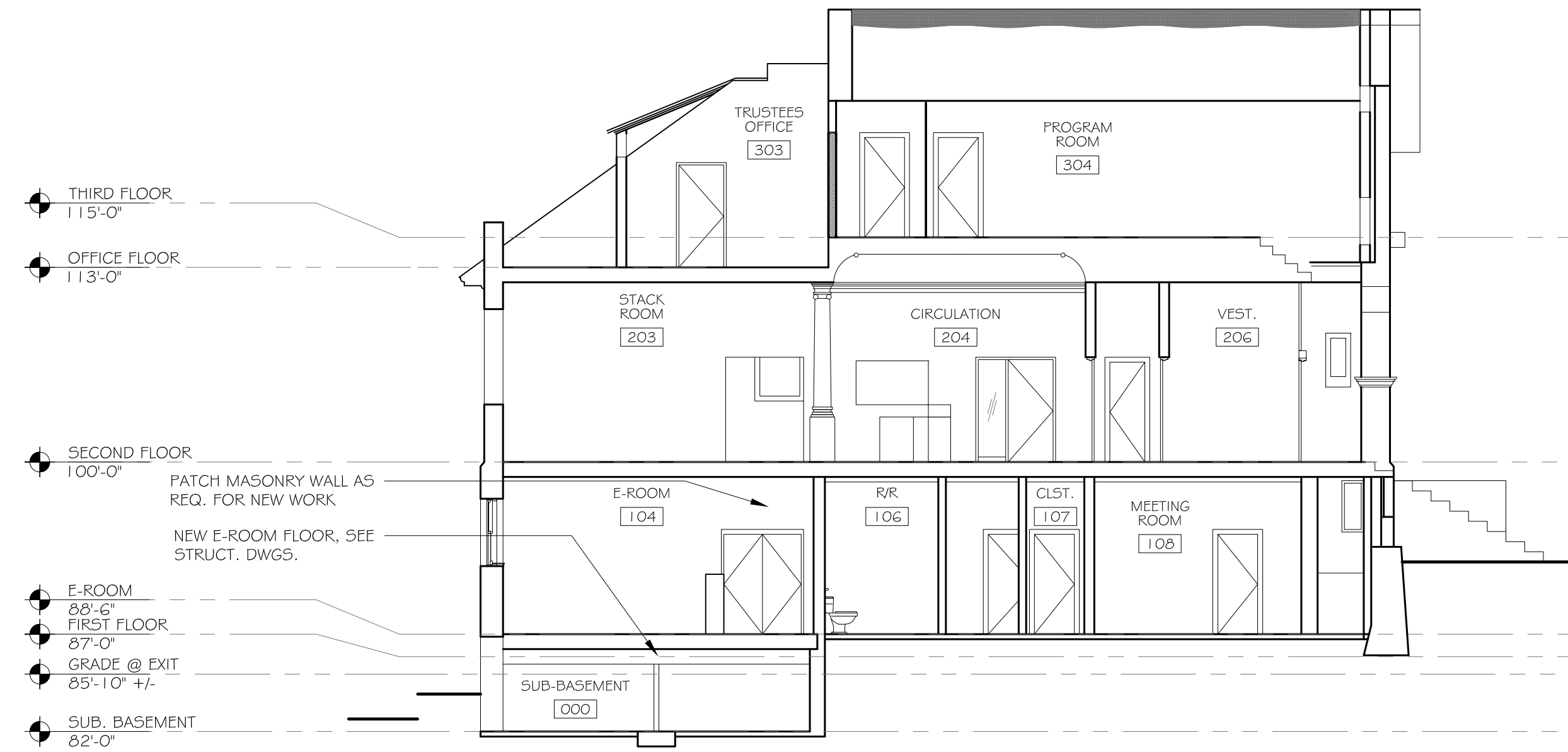
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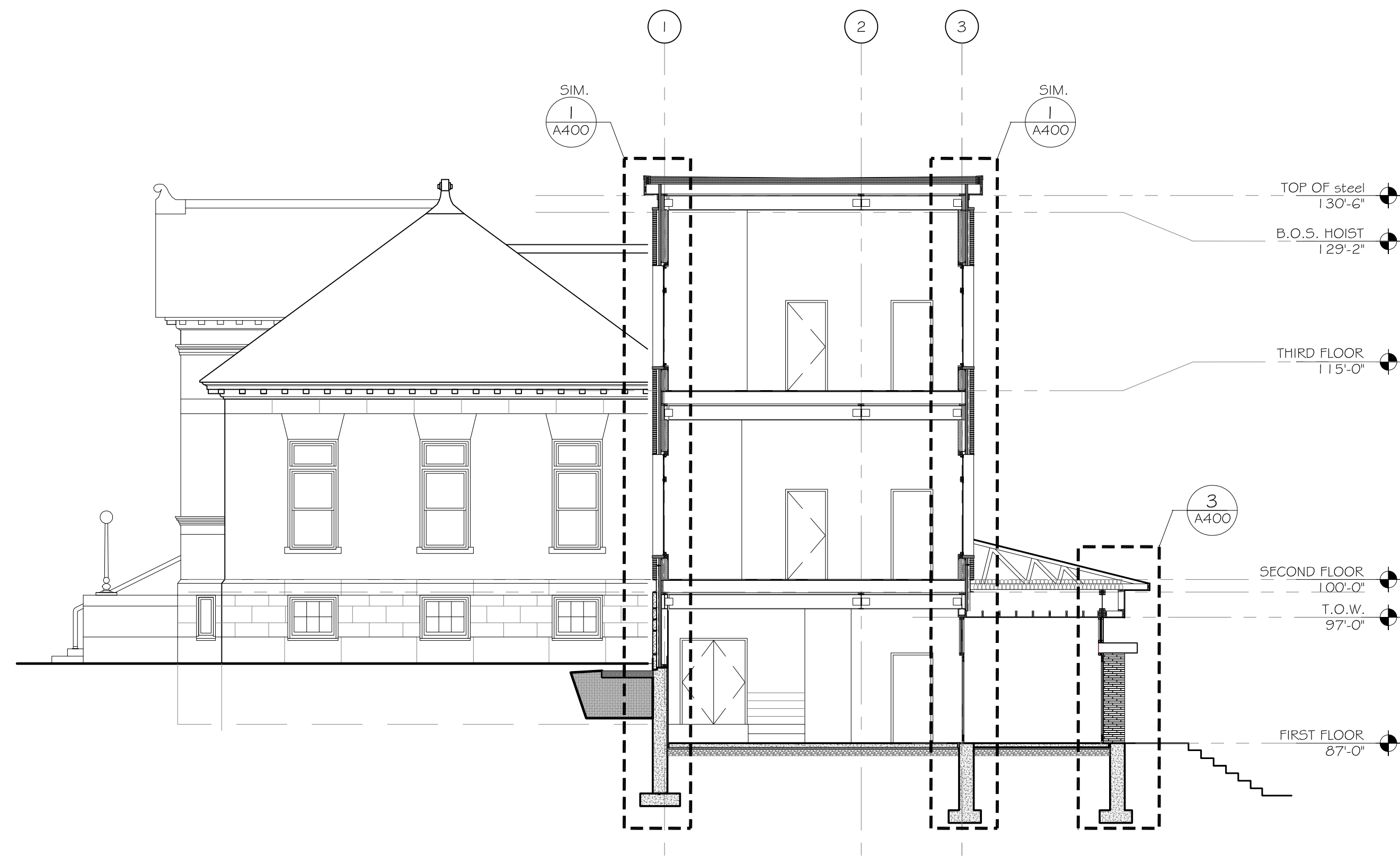
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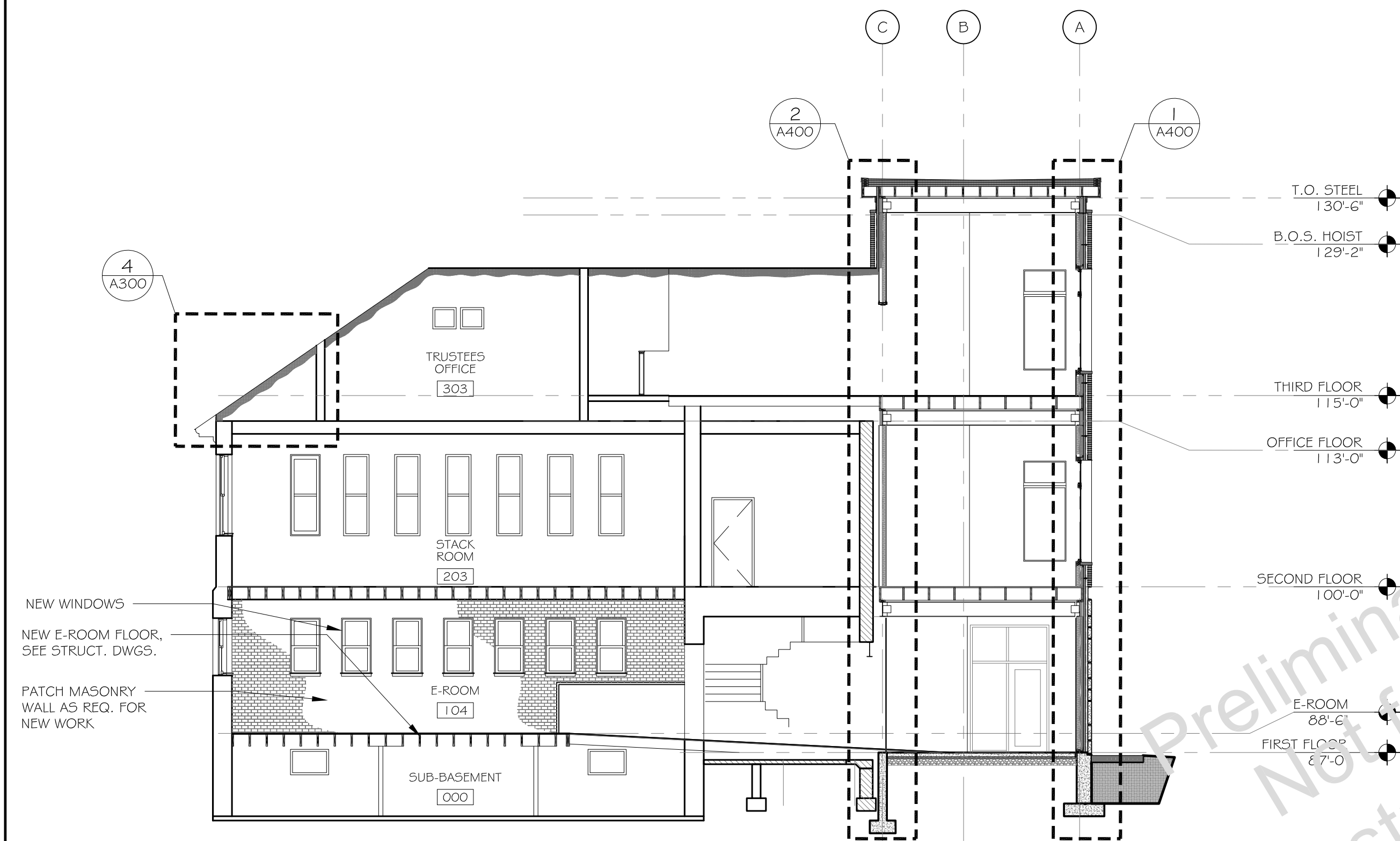
4 ROOF DETAIL
SCALE: 1/2" = 1'-0"



2 BUILDING SECTION B
SCALE: 1/8" = 1'-0"



3 BUILDING SECTION C
SCALE: 1/8" = 1'-0"



1 BUILDING SECTION A
SCALE: 1/8" = 1'-0"

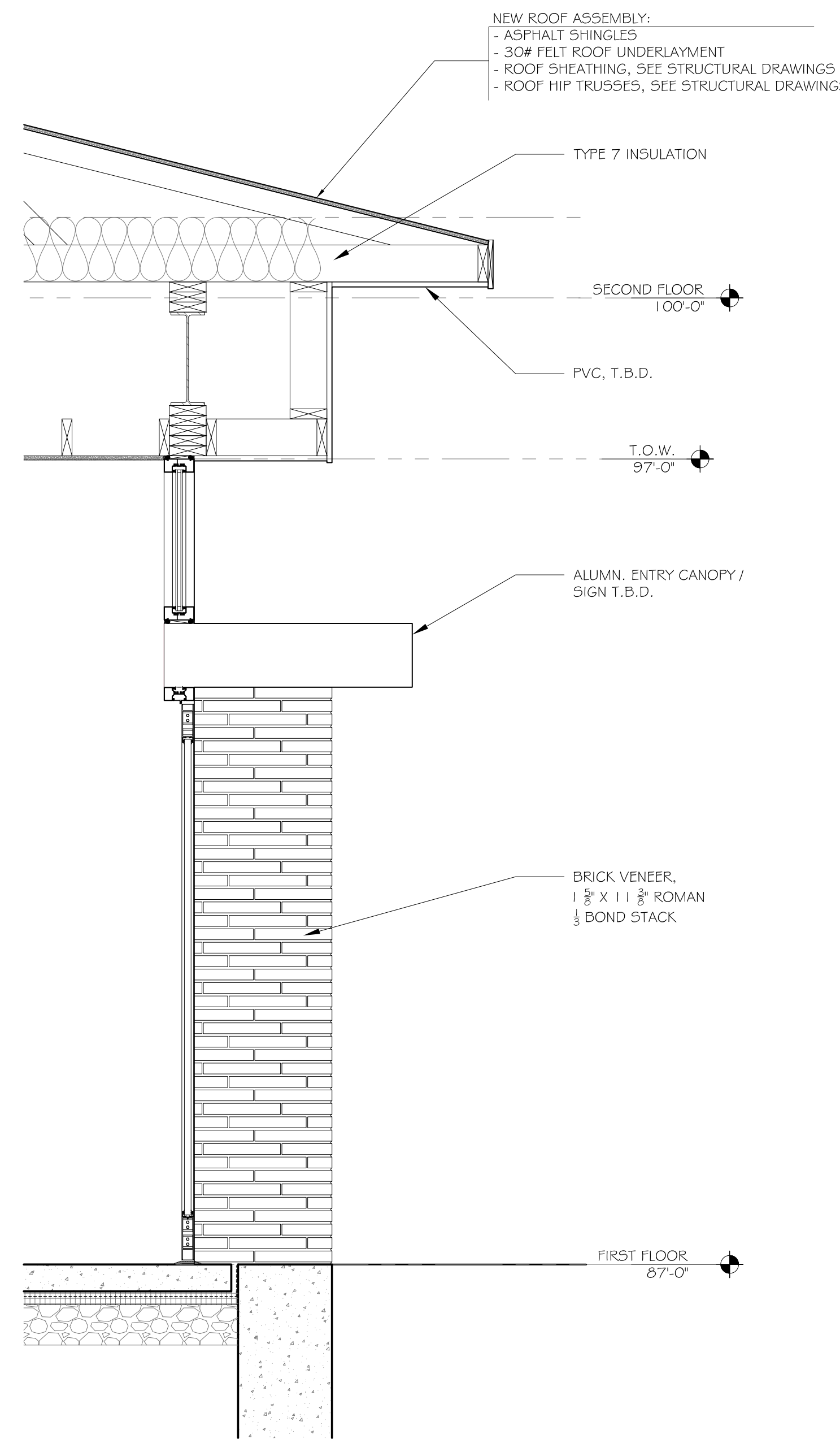
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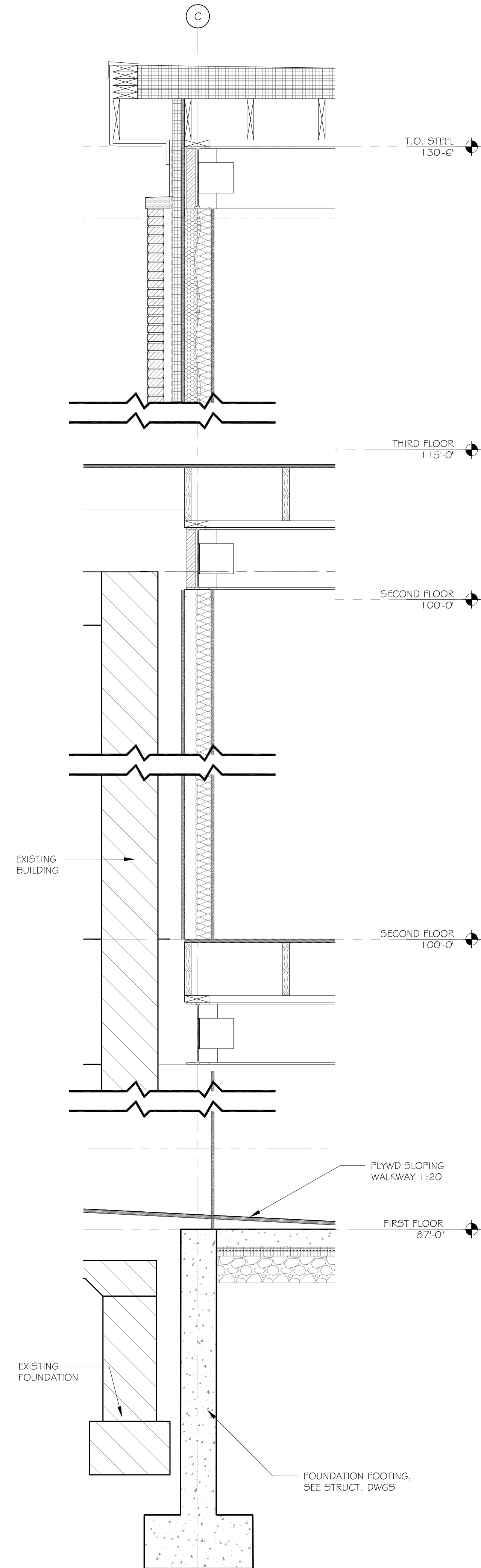
Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
BUILDING SECTIONS

PROJECT #:	18160	
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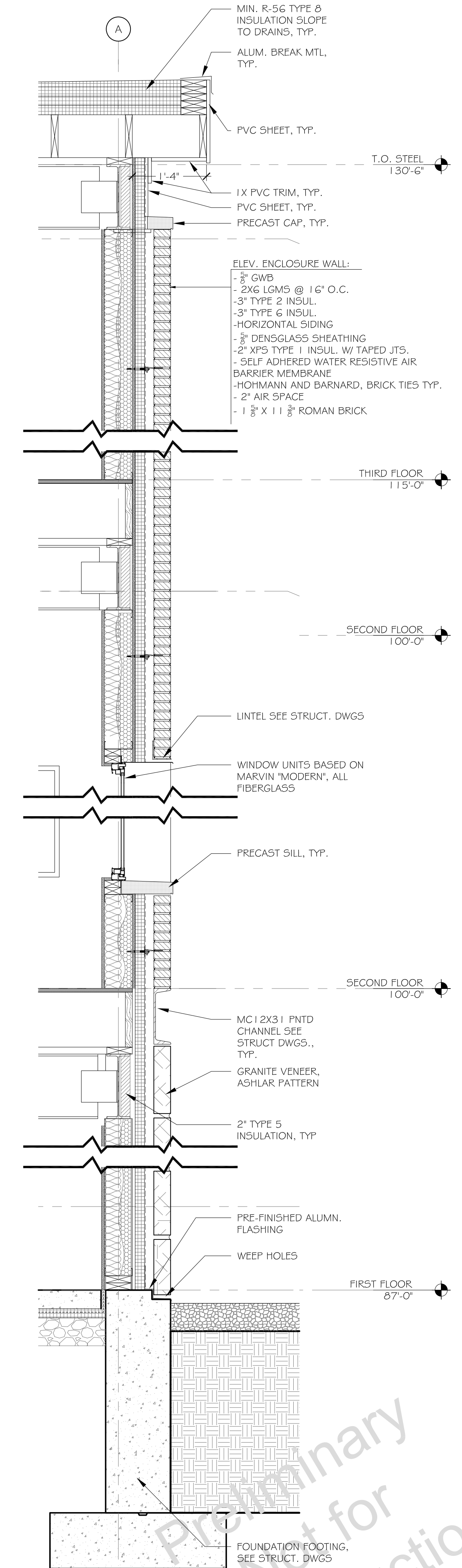
A300



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



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



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

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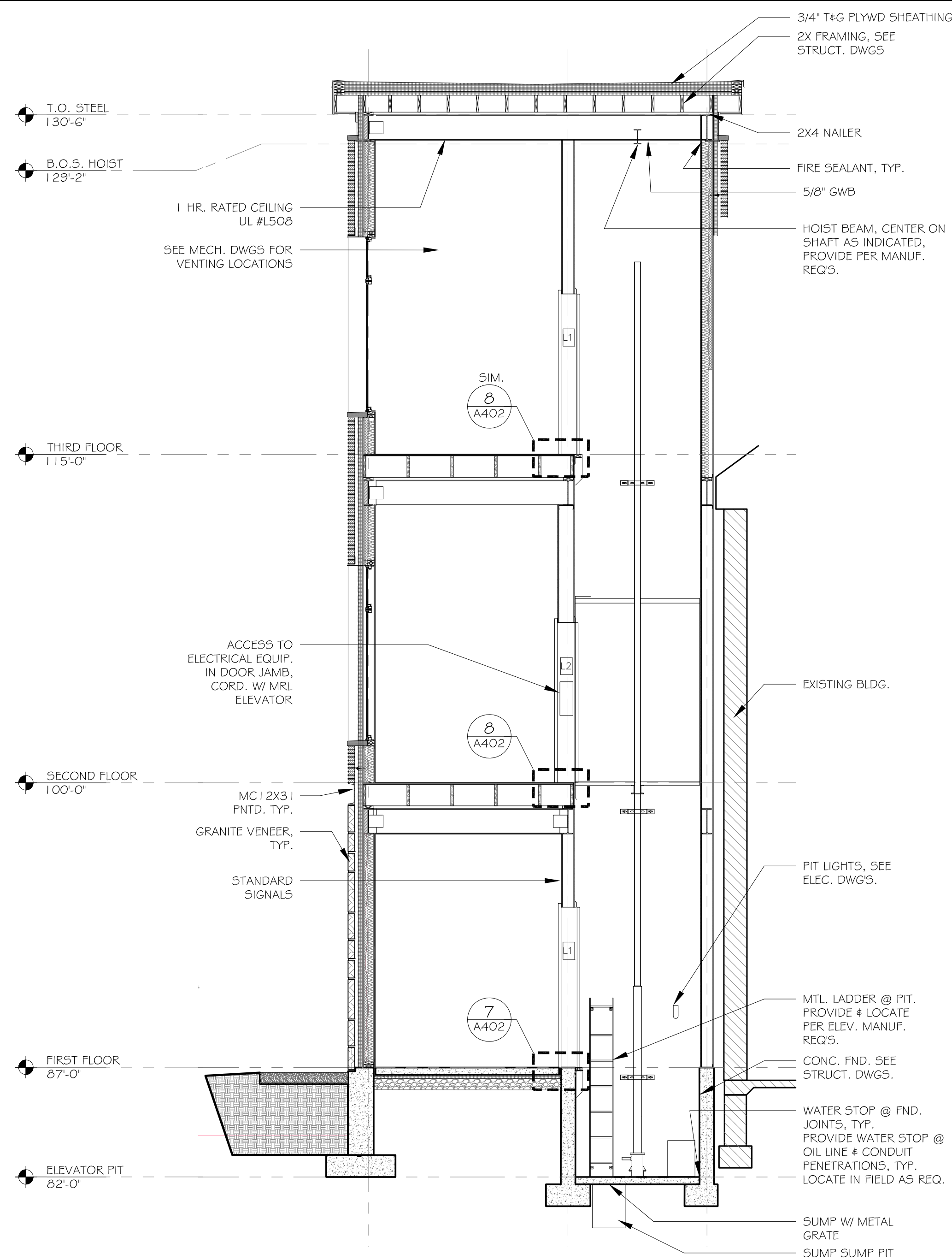


Town of Henniker, New Hampshire
 Tucker Free Library Addition
 31 Western Ave, Henniker, NH 03242

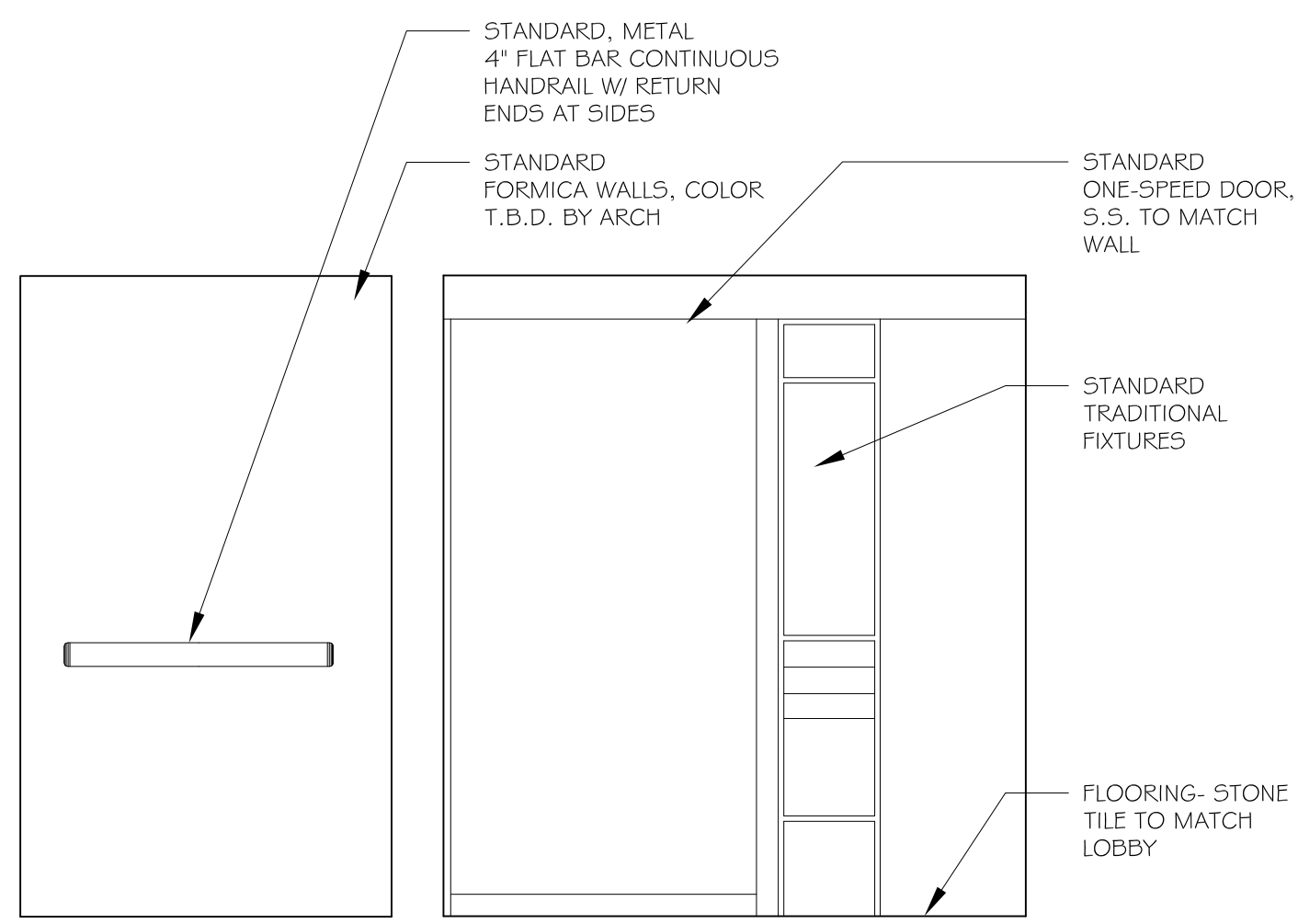
WALL SECTIONS

PROJECT #	18160
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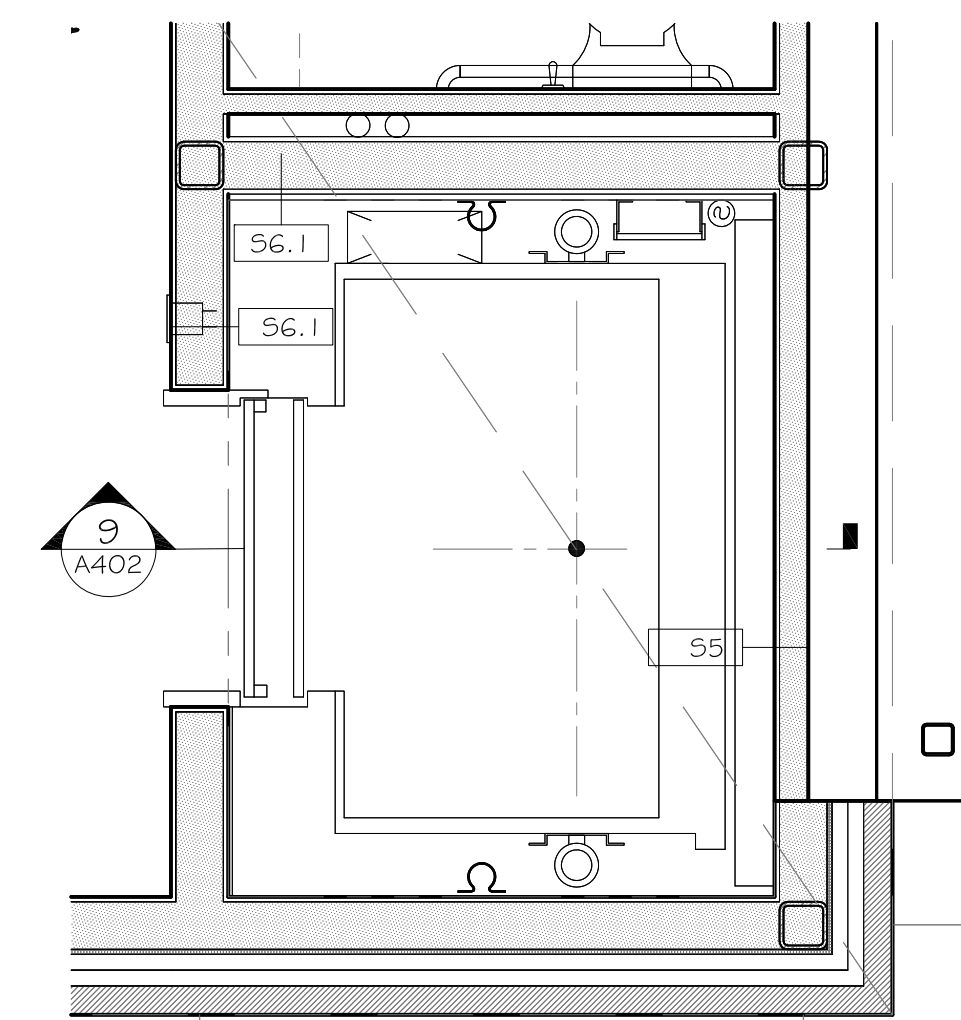
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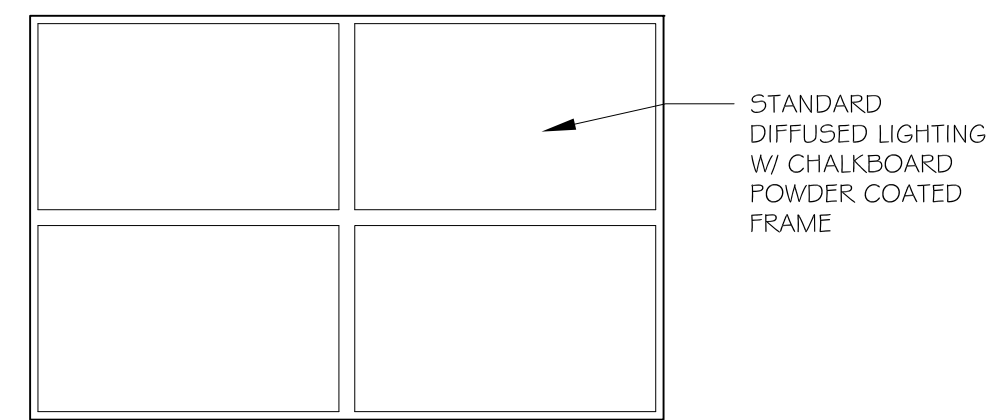
9 ELEVATOR SECTION
SCALE: 1/4"=1'-0"



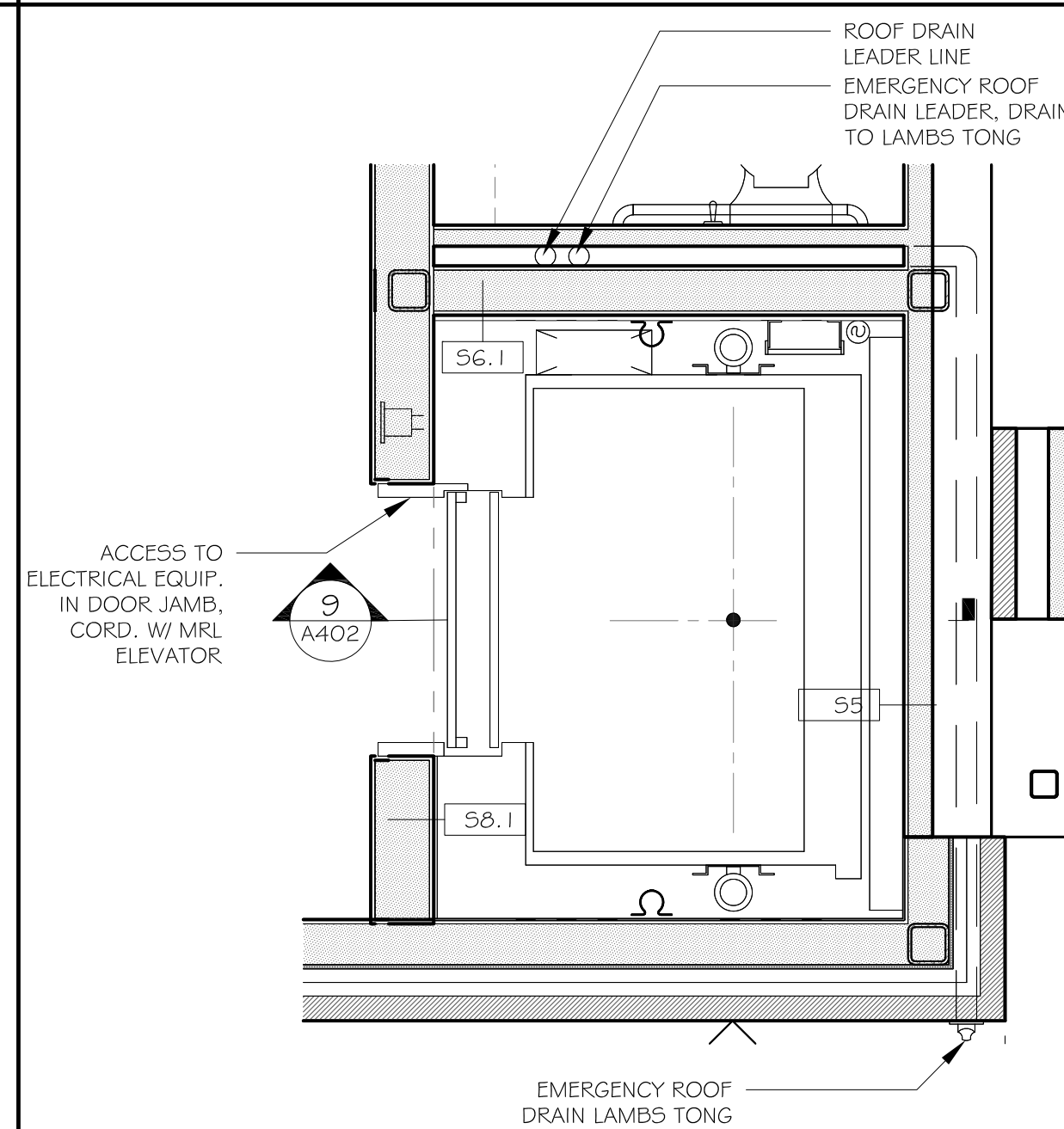
6 ELEVATOR CAB FINISH
SCALE: 1/2"=1'-0"



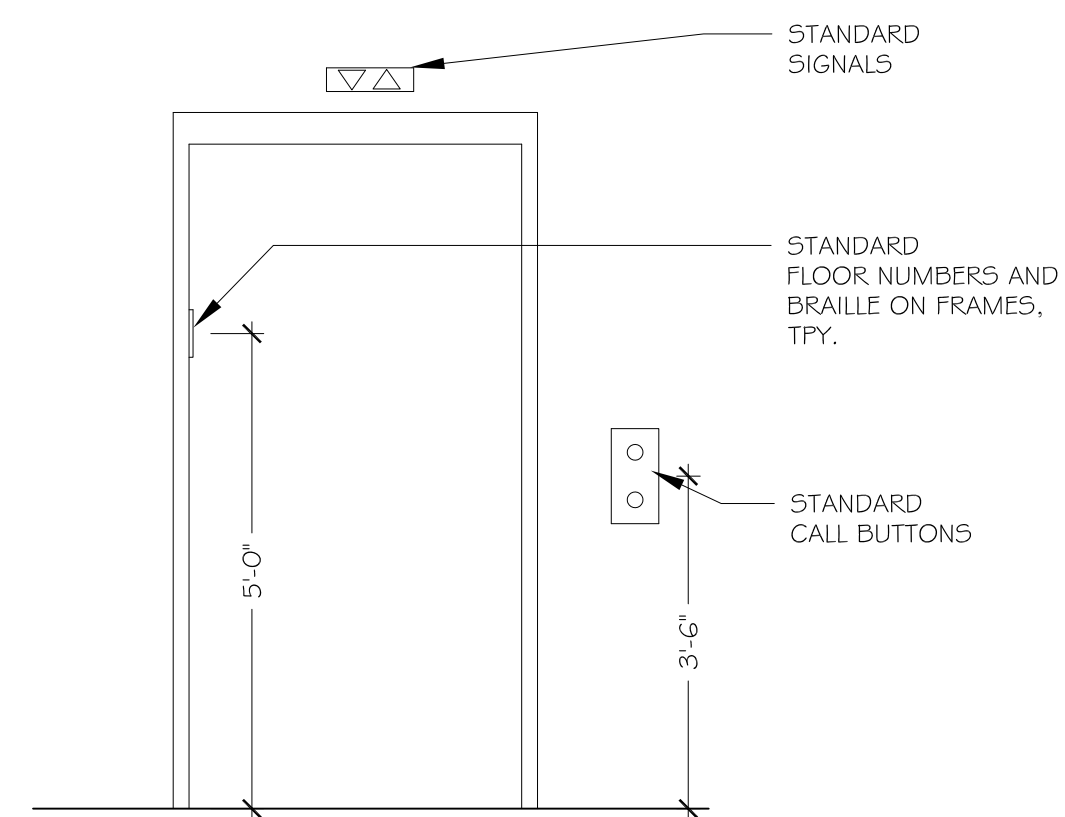
3 THIRD FLOOR ELEV. PLAN
SCALE: 1/2"=1'-0"



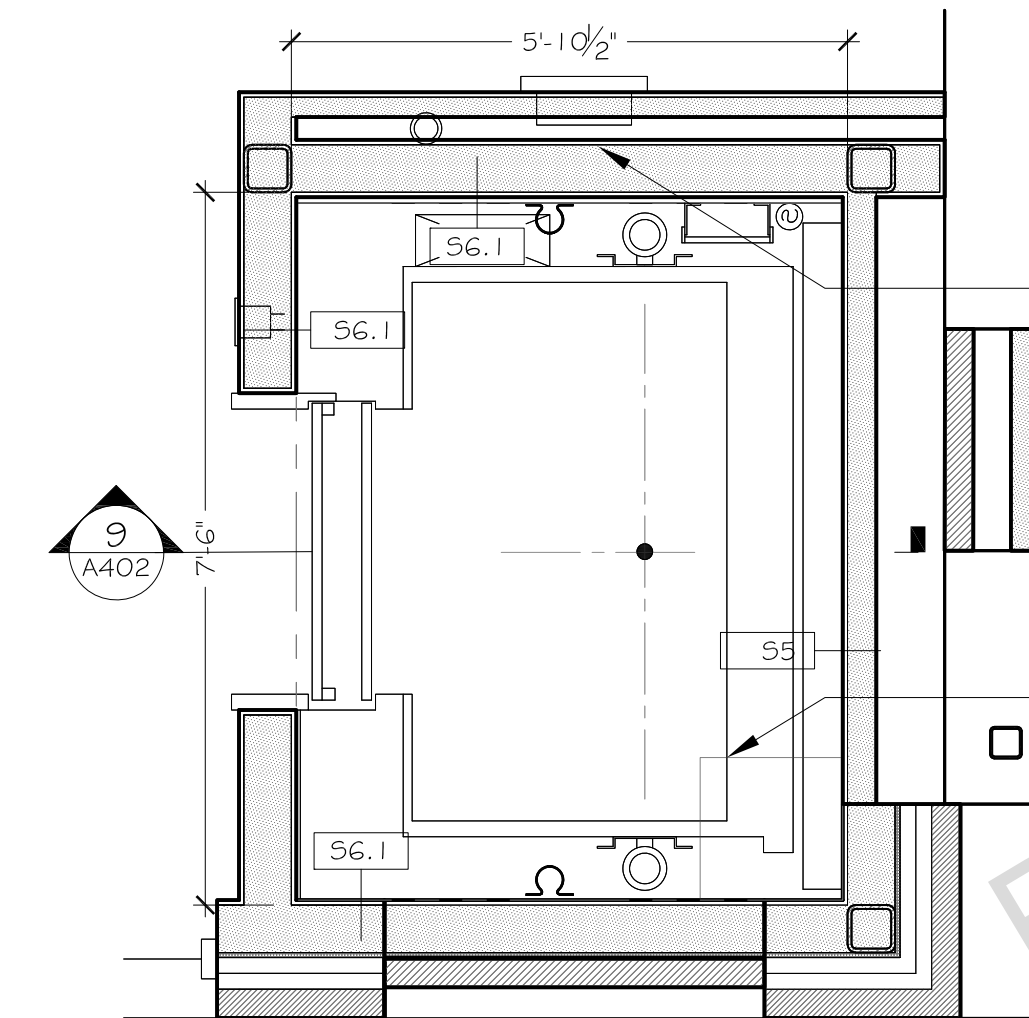
5 ELEVATOR CEILING
SCALE: 1/2"=1'-0"



2 SECOND FLOOR ELEV. PLAN
SCALE: 1/2"=1'-0"



4 ELEVATOR DOOR TYPE
SCALE: 1/2"=1'-0"



1 FIRST FLOOR ELEV. PLAN
SCALE: 1/2"=1'-0"

8 ENLARGED DETAIL FOR DOOR THRESHOLD
SCALE: 1-1/2"=1'-0"

7 ENLARGED DETAIL FOR DOOR THRESHOLD
SCALE: 1-1/2"=1'-0"

ELEVATOR NOTES:

- 3 STOP HYDRAULIC ELEVATOR BASED ON: THYSSEN KRUPP, ENDURA MRL 2 100A LB CAPACITY, TELESCOPING, HOLE-LESS, TWIN-POST, 2-STAGE, W/ VEGETABLE OIL, 80 FPM.

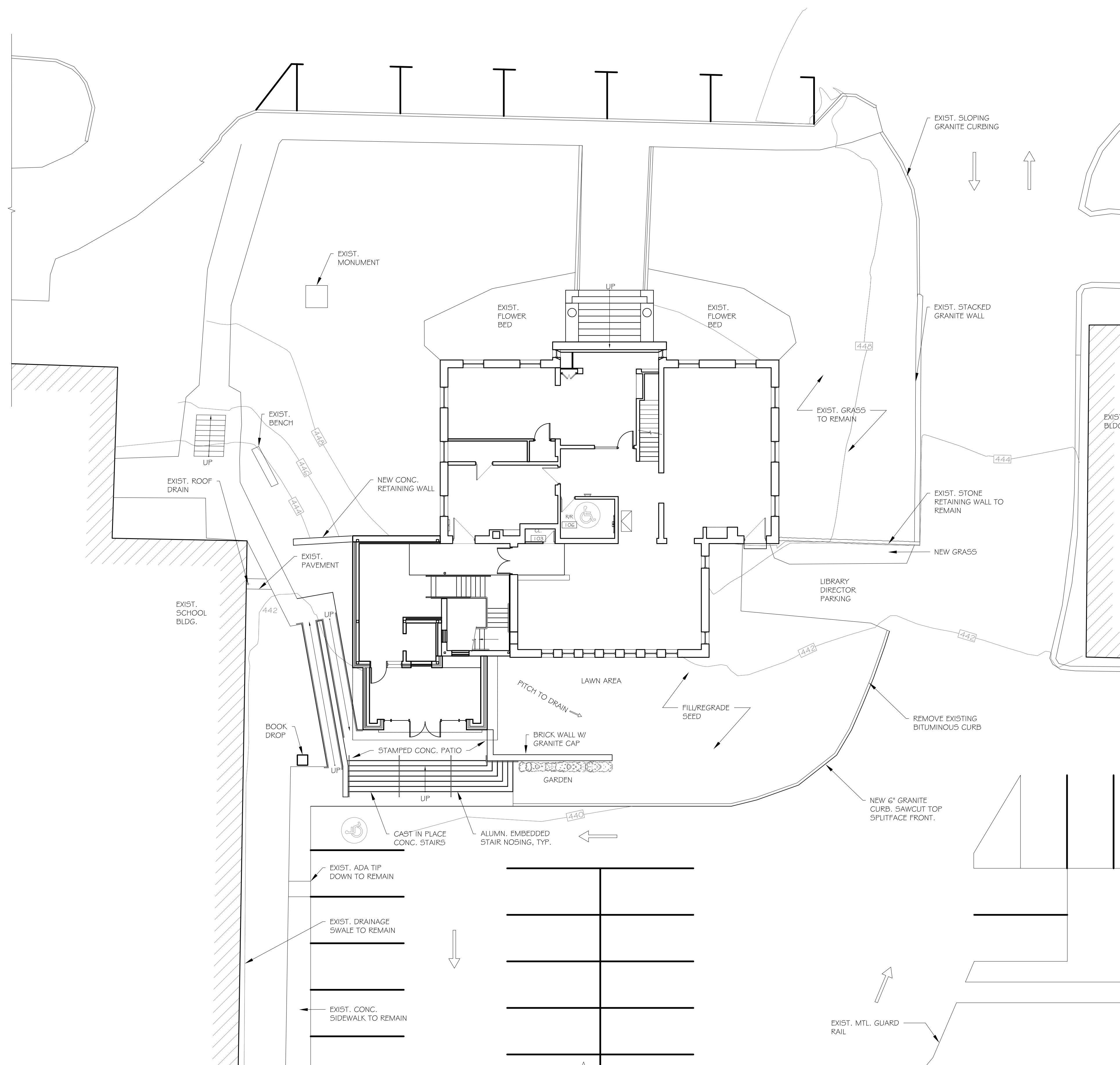
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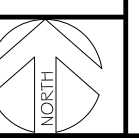
Town of Henniker, New Hampshire
Tucker Free Library Addition
31 Western Ave, Henniker, NH 03242
ELEVATOR PLANS AND SECTION

PROJECT #	18160	
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#	Revision	Date

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1 LANDSCAPING PLAN
SCALE: 3/32" = 1'-0"



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Town of Henniker, New Hampshire
Tucker Free Library Addition
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LANDSCAPING PLAN

PROJECT #:	18160	
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L001