Addendum No.: 4 **Date of Addendum: May 4, 2020**

CT DAS | Construction Services | Office of Legal Affairs, Policy, and Procurement

Prudence Crandall Museum Renovations
1 South Canterbury Road
Canterbury, CT
BI – RR – 28

Original Bid Due Date / Time:	**April 8, 2020**	**1:00 PM**
Revised Bid Due Date / Time:	**May 20, 2020**	**1:00 PM**
Previous Addendums:	**Addendum #3 dated 3/25/2020, Addendum #2 dated 3/18/2020, Addendum #1 dated 3/12/2020**	

TO: **Prospective Bid Proposers:**
This Addendum forms part of the "Contract Documents" and modifies or clarifies the original "Contract Documents" for this Project dated November 19, 2019. Prospective Bid Proposers **shall** acknowledge receipt of the total number of the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form.

Failure to acknowledge receipt of the total number the Addenda issued for this Project on the space provided on Section 00 41 00 Bid Proposal Form shall subject Bid Proposers to disqualification.

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1:

Question 1: *What is material thickness required for the LCC rain diverters?*

RESPONSE: Material thickness for LCC rain diverters to be a minimum of 16 oz. (24 gauge). See revised Architectural drawings A-104 and A-105, attached.

Item 2:

Question 2: *Dwg S-102, details 2, 3 and 4 call for a 3/8 plate to be welded to the bottom flange of the C5 and C7 channels at 16" OC. This is a very old house and the beams are sure to have sagged over the centuries. Is it the intent of the engineer to try and jack the beams level or to shim the beam[s] to the 3/8 plate. If the beams have sagged 1" or more the bottom row of holes in the channels will not engage the wood beams. So that we can make sure that it works in the field, we need to know what the engineer's intention is.*

RESPONSE: It is not the intention to jack or remove existing deflections. The intent is to stabilize the existing deflections in place. Contractor to field measure existing framing to ensure holes are located to engage existing framing. Welded plates are intended to transfer load. Holes and screws are not intended for load transfer and may be modified based on field measurements and engineer approval.

Item 3:

Question 3: *Drawing S-102 calls for a 3" pipe down at gridline E1. Drawing S-101 does not show a 3" pipe at E1. Drawing S-103 shows a representation of a pipe at E-1 with no call out. Please clarify if this pipe goes up or down, or both, or none?*

RESPONSE: Column should extend from ridge down to foundation. See revised structural drawings S-100, S-101, S-102, S-103, S-104, dated April 30, 2020, attached.

Addendum No.: 4 **Date of Addendum: May 4, 2020**

Item 4:

Question 4: *Dwg S300 calls for stitch bolting checked beams. Is it the intent to counterbore the wood beam as shown on the typical detail or should the hex head be exposed with a flat washer used?*

RESPONSE: Hex head to be exposed, with flat washer. See revised detail on structural drawing S-300, dated April 30, 2020.

All technical/project questions must be **emailed** (not **verbal** or by **phone**) to the consulting Architect/Engineer Roger Williams at rwilliams@tlbarchitecture.com with copies sent to the DAS/CS Project Manager Halina Harabasz at halina.harabasz@ct.gov and Construction Manager Dwight Bolton at dwight@dh-bolton.com.

All technical/project questions relating to the asbestos and lead abatement portion of the project must be emailed to Donald LePage at DLepage@trcwsolutions.com with copies sent to DAS PM Halina Harabasz at halina.harabasz@ct.gov and Dwight Bolton at dwight@dh-bolton.com.

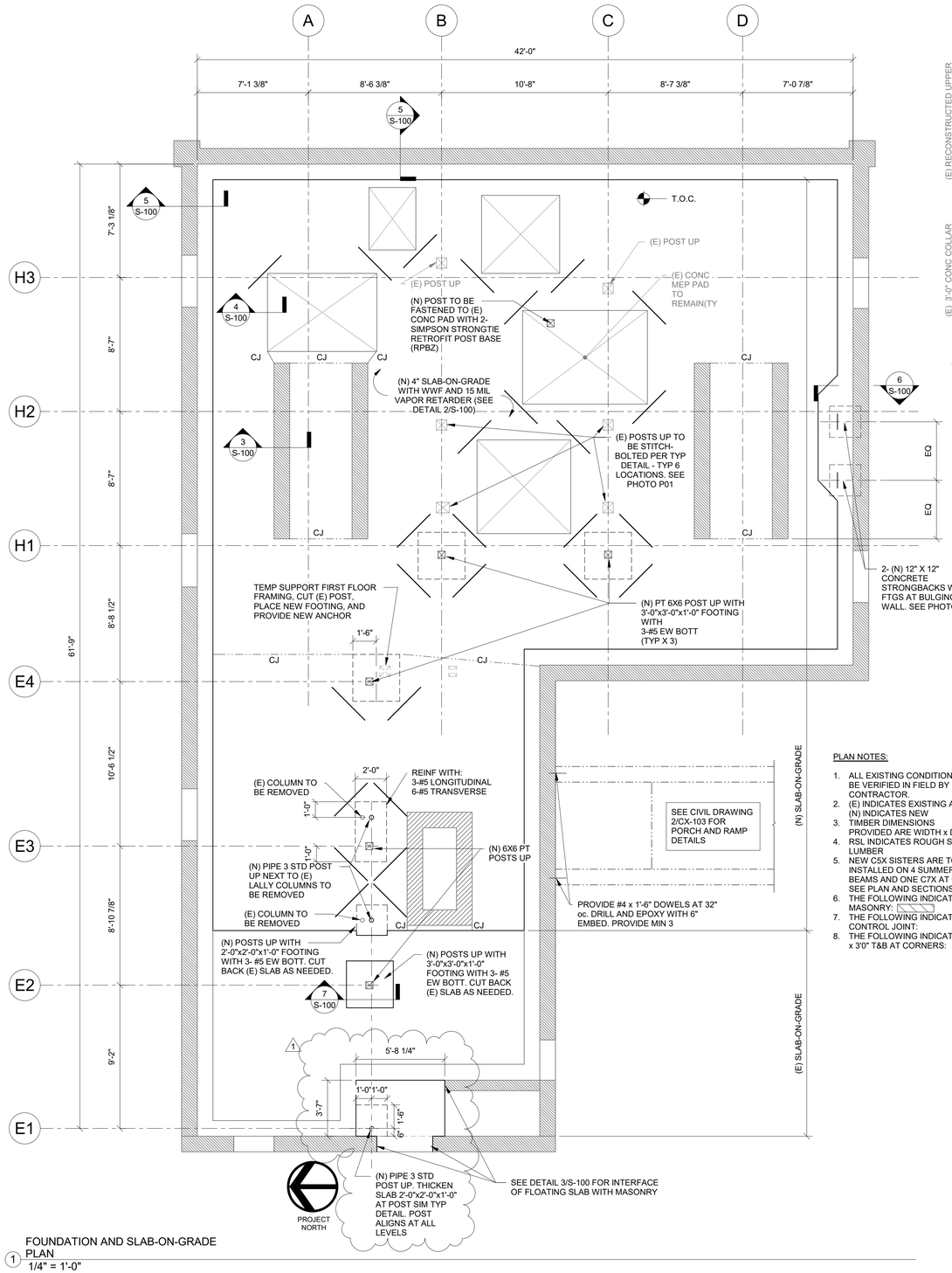
All procurement/bid questions must be emailed to Mellanee Walton, DAS/Construction Services Procurement Unit, at mellanee.walton@ct.gov

End of Addendum No. 4

Mellanee Walton

Mellanee Walton, Associate Fiscal Administrative Officer
State of Connecticut
Department of Administrative Services, Construction Services
Office of Legal Affairs, Policy, and Procurement
450 Columbus Boulevard, Suite 1302
Hartford, CT 06103

NOTE: SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.

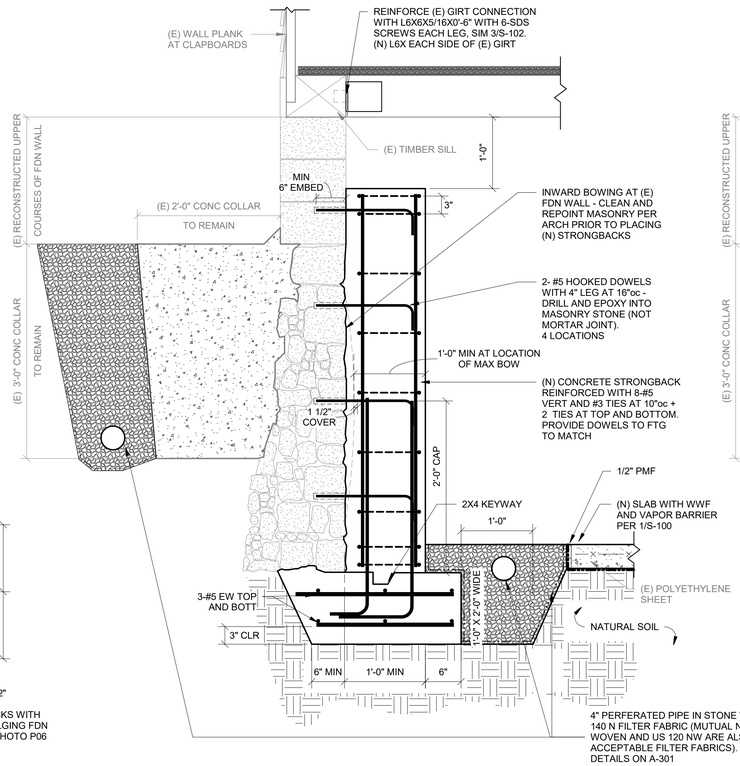


PLAN NOTES:

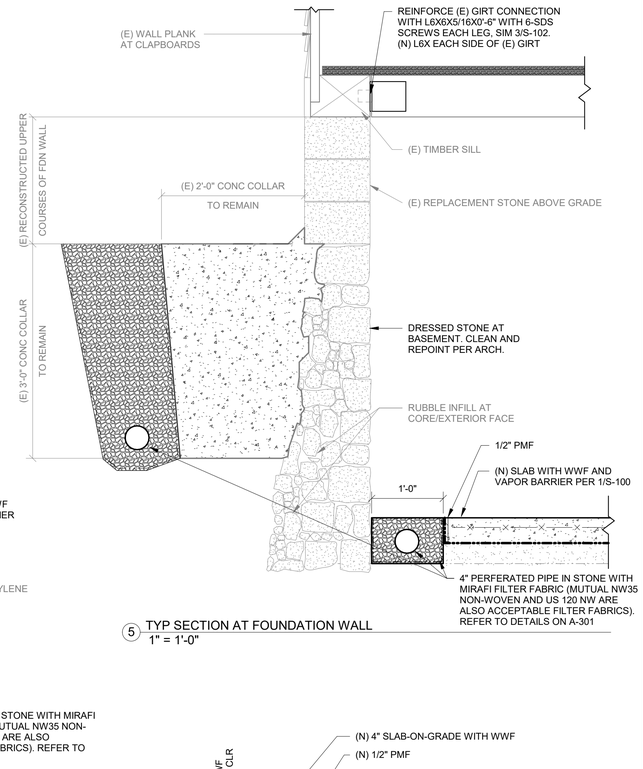
1. ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
2. (E) INDICATES EXISTING AND (N) INDICATES NEW
3. TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH
4. RSL INDICATES ROUGH SAWN LUMBER
5. NEW C5X SISTERS ARE TO BE INSTALLED ON 4 SUMMER BEAMS AND ONE C7X AT GIRT. SEE PLAN AND SECTIONS.
6. THE FOLLOWING INDICATES MASONRY:
7. THE FOLLOWING INDICATES CONTROL JOINT:
8. THE FOLLOWING INDICATES #4 x 3'0" T&B AT CORNERS:

1 FOUNDATION AND SLAB-ON-GRADE PLAN
1/4" = 1'-0"

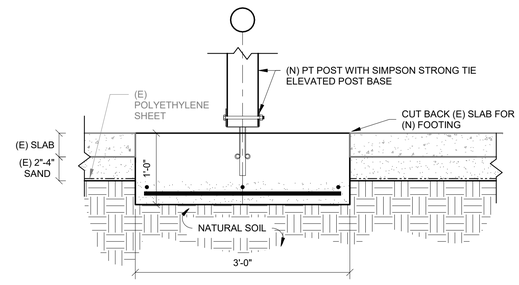
GRAPHIC SCALE: 1/4" = 1'-0"
0 2' 4' 8' 16'



6 SECTION AT (N) STRONGBACK
1" = 1'-0"

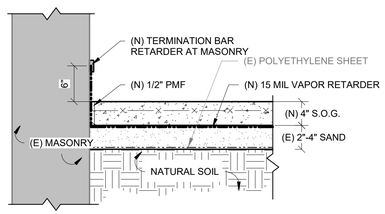


5 TYP SECTION AT FOUNDATION WALL
1" = 1'-0"

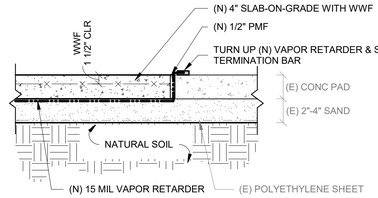


(N) WOOD POST FOOTING

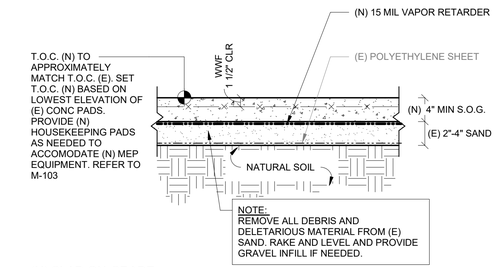
7 (N) FOOTING AT (E) SLAB DETAIL
1" = 1'-0"



3 (N) SLAB ON GRADE AT (E) CHIMNEY FOUNDATION WALLS
1" = 1'-0"



4 (N) SLAB-ON-GRADE AT (E) MEP PAD
1" = 1'-0"



2 (N) SLAB-ON-GRADE
1" = 1'-0"

drawing title
Foundation and Slab-on-Grade

professional seal

REVISIONS		
mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

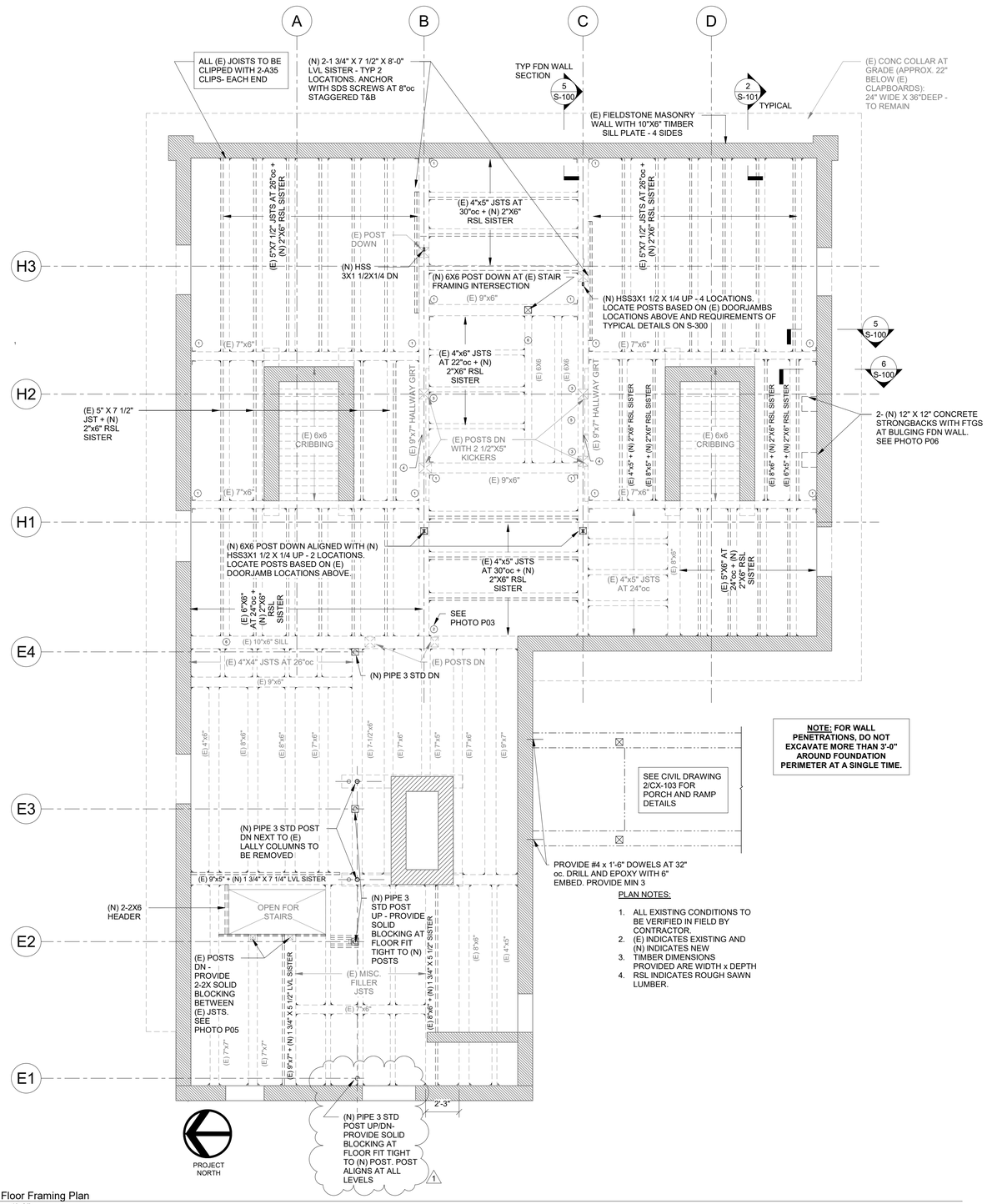
date 11/19/2019
scale As indicated
drawn by MD/AJ
approved by JFN
drawing no. **S-100**

project
PRUDENCE CRANDALL MUSEUM RENOVATIONS
1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. S-100 Foundation and Slab-on-Grade
project no. BI-RR-28

19044
C:\Users\Intern Login\Documents\19044 S19 Prudence Crandall House Central_Intern Login.rvt

NOTE: SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.



PLAN NOTES:

1. ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
2. (E) INDICATES EXISTING AND (N) INDICATES NEW
3. TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH
4. RSL INDICATES ROUGH SAWN LUMBER.

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

0 2' 4' 8' 16'

GRAPHIC SCALE: 1/4" = 1'-0"

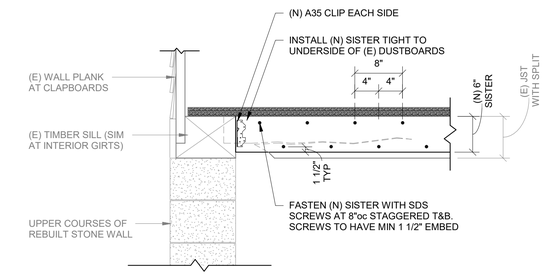
REPAIR SCHEDULE

SYMBOL	DESCRIPTION
1	REINF. (E) END CONNECTION WITH 2-L6X6X5/16 WITH SDS SCREWS- SEE PHOTO P07. SIM 3/S-102
2	CLEAN (E) HANGER AND INFILL ALL OPEN HOLES - SEE PHOTO P04
3	STITCH BOLT (E) POST FULL HEIGHT PER TYP DETAIL ON S-300
4	PROVIDE (N) 1/4" X 3'-0" STEEL PLATE EA SIDE (E) SPLICE IN BEAM. BLOCK SOLID AS NEEDED - SEE PHOTO P02
5	PROVIDE (N) 2"X6" LEDGER TO SUPPORT (E) SHIFTED WALL PLANK ABOVE- SEE PHOTO P03
6	STITCH BOLT BEAM FULL LENGTH SIM TO TYP DETAIL ON S-300

STANDARD STRUCTURAL ABBREVIATIONS

AFF	ABOVE FINSIH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
APPR	APPROVED
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
ASPH	ASPHAULT
@	AT
AVG	AVERAGE
BSMT	BASEMENT
BM	BEAM
BRG	BEARING
BTWN	BETWEEN
BLK	BLOCKING
BOTT	BOTTOM
BOF	BOTTOM OF FOOTING
BIT	BITUMINOUS
BLDG	BUILDING
CAP	CAPACITY
CIP	CAST IN PLACE
CLG	CEILING
CEM	CEMENT
CL	CENTERLINE
CTR	CENTER
C TO C	CENTER TO CENTER
CLR	CLEAR
CHAM	CHAMFER
CTRD	CENTERED
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONN	CONNECTION
CONST	CONSTRUCTION
CJ	CONTROL JOINT
CONTR	CONTRACTOR
CONT	CONTINUOUS
COV	COVER
CF	CUBIC FOOT/FEET
CY	CUBIC YARD(S)
DL	DEAD LOAD
DAB	DEFORMED ANCH BAR
DEFL	DEFLECTION
DEG	DEGREE
DTL	DETAIL
DEPR	DEPRESSION
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DO	DITTO
DWL	DOWEL
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EACH FACE
EW	EACH WAY
EL	ELEVATION
EOS	EDGE OF SLAB
ELEV	ELEVATOR
EXIST	EXISTING
EJ	EXPANSION JOINT
F.D.	FLOOR DRAIN
FF	FAR FACE
FT	FEET, FOOT
FP	FIREPROOFING
FIN	FINISH
F.F.	FINISH FLOOR
FTG	FOOTING
FND	FOUNDATION
FRMG	FRAMING
GA	GAGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GLU LAM	GLUE LAMINATED
GR	GRADE
GR BM	GRADE BEAM
GYP	GYPSUM
HAS	HEADED ANCHOR STUD
HK	HOOK
HORIZ	HORIZONTAL
HSS	HOLLOW STRUCTURAL SECTION
IN	INCH
INCL	INCLUDE
ID	INNER DIAMETER
INT	INTERIOR
IF	INNER FACE
INV.	INVERT
JT	JOINT
KD	KILN DRIED
LT WT	LIGHT WEIGHT
LL	LIVE LOAD
LF	LINEAR FEET
LSL	LAMINATED STRAND LUMBER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LVL	LAMINATED VENEER LUMBER
LWC	LIGHT WEIGHT CONCRETE
MANUF	MANUFACTURER
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MTL	METAL
MISC.	MISCELLANEOUS
MTD	MOUNTED
NF	NEAR FACE
NORM WT	NORMAL WEIGHT
NIC	NOT IN CONTACT
NO. OR #	NUMBER
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
oc	ON-CENTER
OPNG	OPENING
OPP	OPPOSITE
OF	OUTSIDE FACE
OD	OUTSIDE DIAMETER
OSB	ORIENTED STRAND BOARD
PERP	PERPENDICULAR
PLF	POUNDS PER LINEAR FEET
PLYWD	PLYWOOD
PEN	PENETRATION
PCS	PIECES
PL	PLATE
PMF	PREMOLDED FILLER
PROJ	PROJECTION
PT	PRESSURE TREATED
LB	POUND
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PCF	POUNDS PER CUBIC FOOT
PAF	POWER ACTUATED FASTENER
P/C	PRECAST
PDF	POWER DRIVEN FASTENER
PREFAB	PREFABRICATED
PSL	PARALLEL STRAND LUMBER
P/S	PRESTRESSED
P/T	POST-TENSIONED
PL	PROPERTY LINE
QTY	QUANTITY
R	RADIUS
REBAR	REINFORCING BAR
REINF	REINFORCING
REQD	REQUIRED
SECT	SECTION
SPEC	SPECIFICATION
SLV	SHORT LEG VERTICAL
SOG	SLAB ON GRADE
SQ	SQUARE
SIM	SIMILAR
SF	SQUARE FOOT/FEET
STL	STEEL
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP
STRUC	STRUCTURAL
SYMM	SYMMETRICAL
T&B	TOP AND BOTTOM
TEMP	TEMPORARY
T&G	TONGUE AND GROOVE
THK	THICK, THICKNESS
TOC	TOP OF CONRETE
TOF	TOP OF FOOTING
TOL	TOP OF LEDGE
TOS	TOP OF STEEL
TOW	TOP OF WALL
THRU	THROUGH
TOPG	TOPPING
TYP	TYPICAL
TS	TUBE STEEL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
WPRF	WATERPROOF
WD	WOOD
WP	WORKING POINT
WT	WEIGHT
W/	WITH
WWF	WELDED WIRE FABRIC
W/O	WITHOUT
YD	YARD

STANDARD ABBREVIATIONS



2 SECTION AT (N) 1ST FLOOR JST SISTER TYPICAL
1" = 1'-0"

drawing title: First Floor Framing Plan

professional seal

REVISIONS		
mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

date: 11/19/2019
scale: As indicated
drawn by: MD/AJ
approved by: JFN

project
PRUDENCE CRANDALL MUSEUM RENOVATIONS
1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

drawing no. S-101

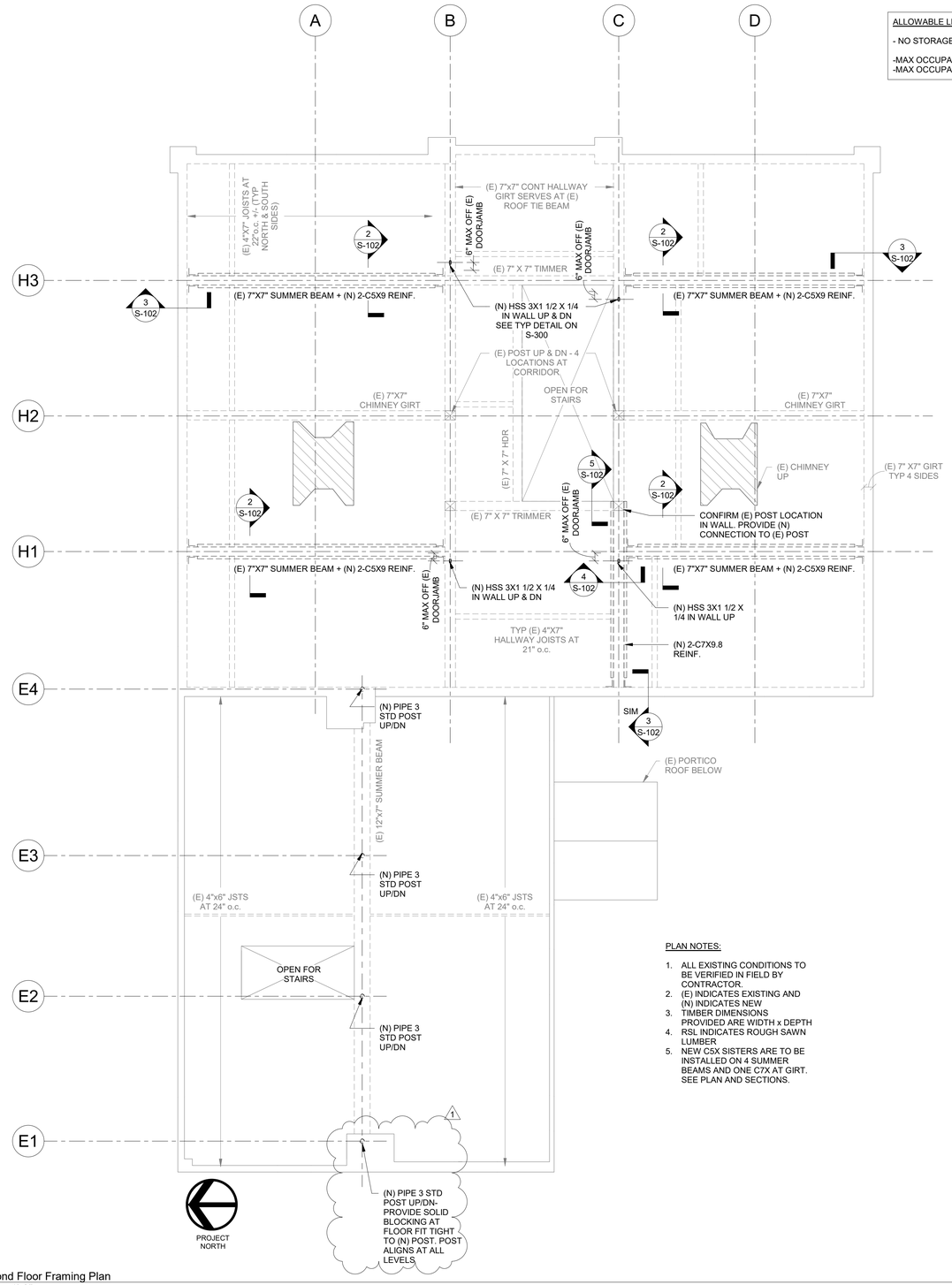
CAD no. S-101 First Floor Framing Plan
project no. BI-RR-28

NOTE: SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.

ALLOWABLE LIVE LOAD: 30 PSF

- NO STORAGE

-MAX OCCUPANCY 2ND FLOOR MAIN HOUSE = 14 PEOPLE
-MAX OCCUPANCY 2ND FLOOR ELL = 10 PEOPLE

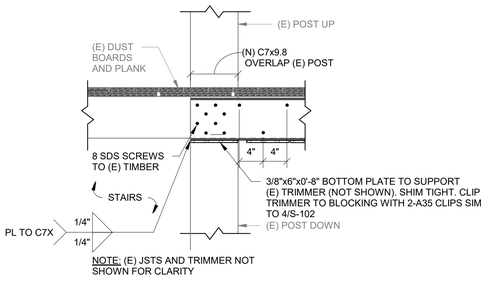


PLAN NOTES:

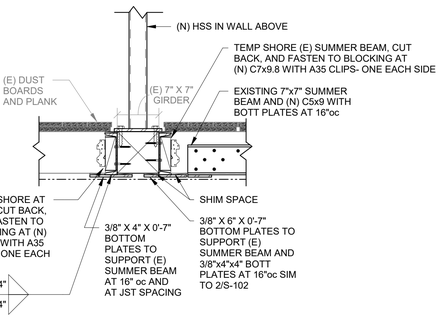
1. ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
2. (E) INDICATES EXISTING AND (N) INDICATES NEW
3. TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH
4. RSL INDICATES ROUGH SAWN LUMBER
5. NEW C5X SISTERS ARE TO BE INSTALLED ON 4 SUMMER BEAMS AND ONE C7X AT GIRT. SEE PLAN AND SECTIONS.

1 Second Floor Framing Plan
1/4" = 1'-0"

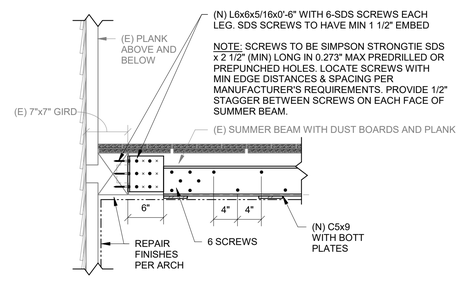
0 2' 4' 8' 16'
GRAPHIC SCALE: 1/4" = 1'-0"



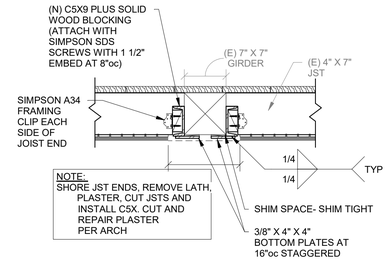
5 SECTION
1" = 1'-0"



4 C7X9.8 REINFORCING DETAIL
1" = 1'-0"



3 SUMMER BEAM SECTION AT END GIRT
1" = 1'-0"



2 C5x9 REINFORCEMENT DETAIL
1" = 1'-0"

drawing title
Second Floor Framing Plan

professional seal

REVISIONS		
mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

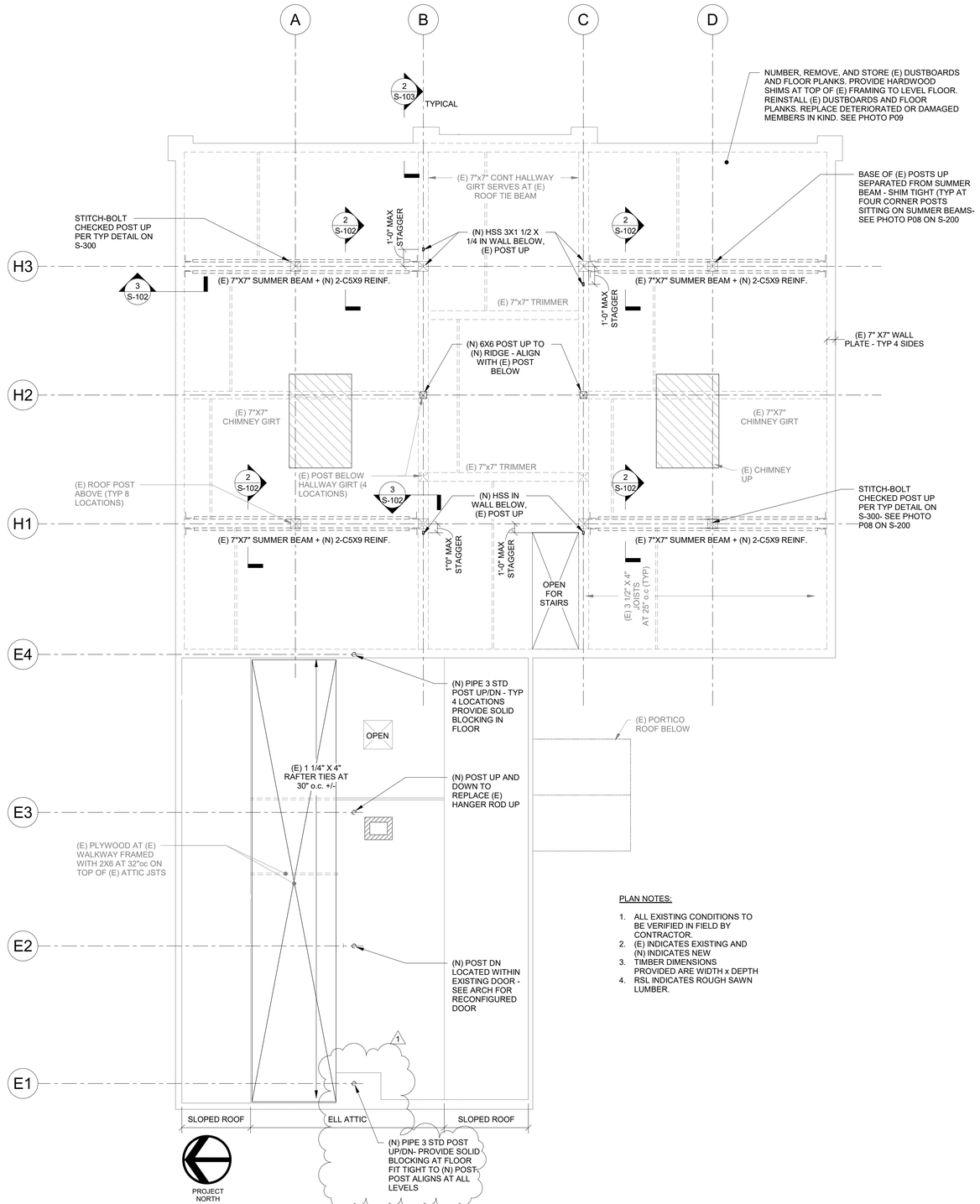
project
PRUDENCE CRANDALL MUSEUM RENOVATIONS

1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. S-102 Second Floor Framing Plan
project no. BI-RR-28

date 11/19/2019
scale As indicated
drawn by MD/AJ
approved by JFN
drawing no. **S-102**

NOTE: SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.

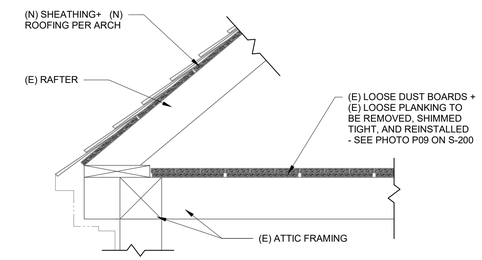


PLAN NOTES:

1. ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
2. (E) INDICATES EXISTING AND (N) INDICATES NEW
3. TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH
4. RSL INDICATES ROUGH SAWN LUMBER.

1 Attic Framing Plan
1/4" = 1'-0"

0 2' 4' 8' 16'
GRAPHIC SCALE: 1/4" = 1'-0"



2 SECTION AT EAVE
1" = 1'-0"

drawing title
Attic Floor Framing Plan

professional seal

REVISIONS

mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

date: 11/19/2019
scale: As indicated
drawn by: MD/AJ
approved by: AJ

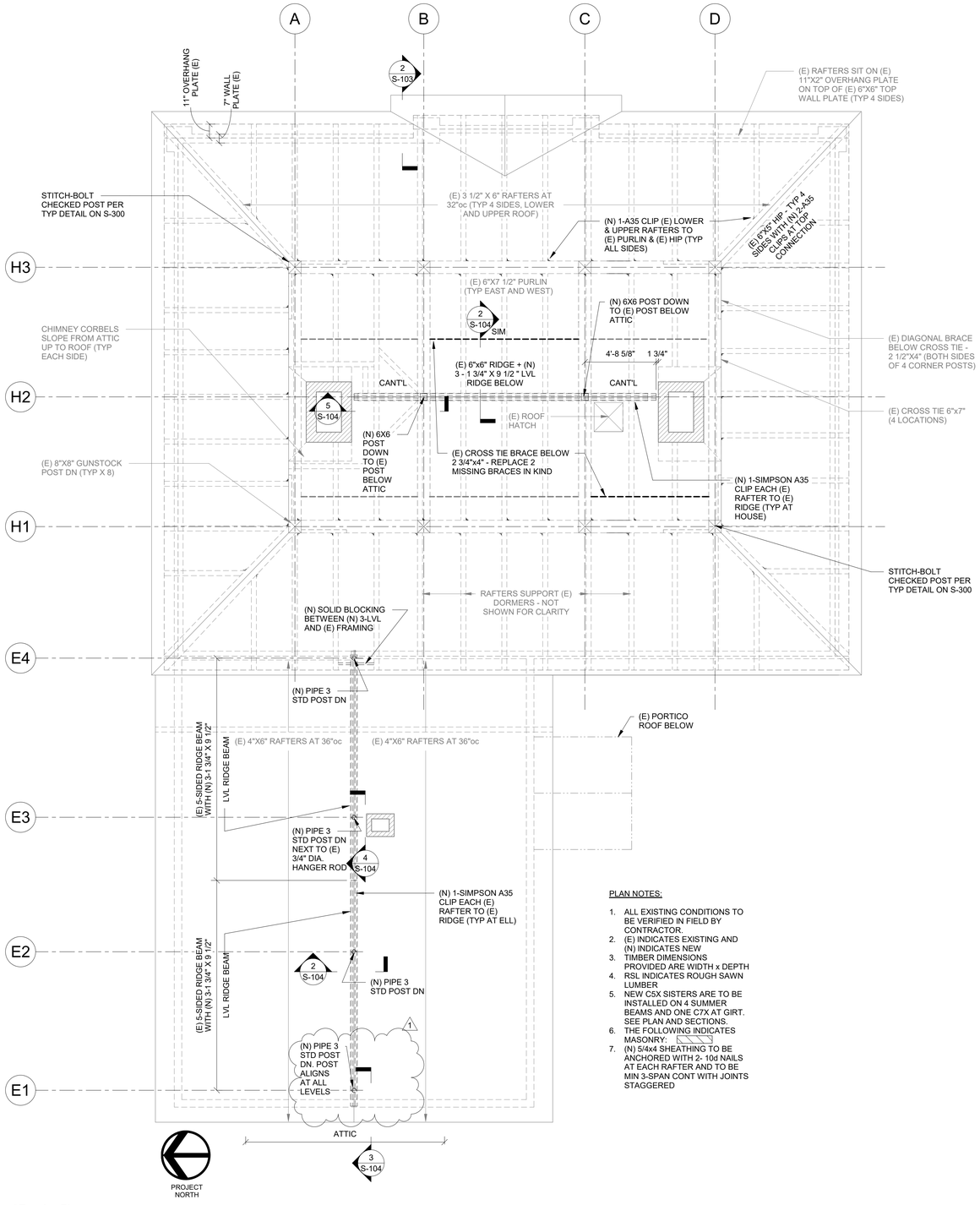
project
PRUDENCE CRANDALL MUSEUM RENOVATIONS

1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. S-103 Attic Floor Framing Plan
project no. BI-RR-28

drawing no. **S-103**

NOTE: SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.



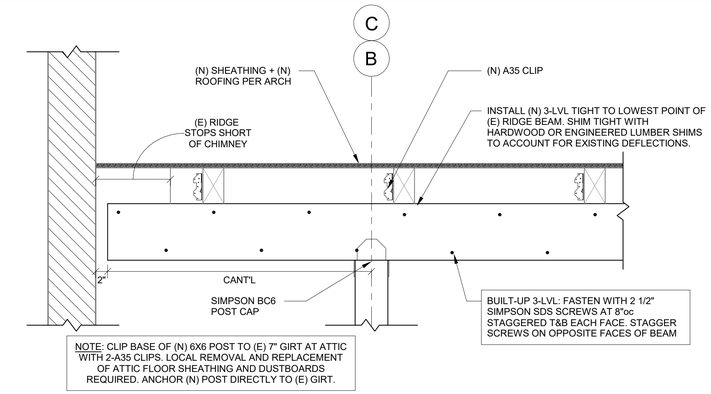
1 Roof Framing Plan
1/4" = 1'-0"

0 2' 4' 8' 16'

GRAPHIC SCALE: 1/4" = 1'-0"

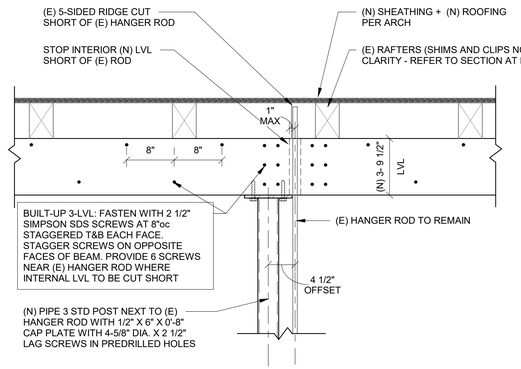
PLAN NOTES:

1. ALL EXISTING CONDITIONS TO BE VERIFIED IN FIELD BY CONTRACTOR.
2. (E) INDICATES EXISTING AND (N) INDICATES NEW
3. TIMBER DIMENSIONS PROVIDED ARE WIDTH x DEPTH
4. RSL INDICATES ROUGH SAWN LUMBER
5. NEW CSX SISTERS ARE TO BE INSTALLED ON 4 SUMMER BEAMS AND ONE C7X AT GIRT. SEE PLAN AND SECTIONS.
6. THE FOLLOWING INDICATES MASONRY:
7. (N) 5/4x4 SHEATHING TO BE ANCHORED WITH 2- 10d NAILS AT EACH RAFTER AND TO BE MIN 3-SPAN CONT WITH JOINTS STAGGERED

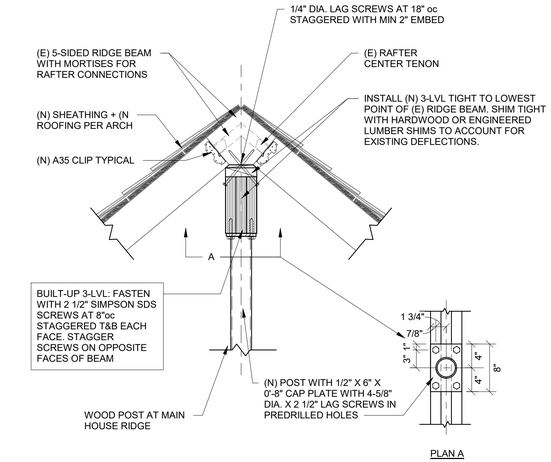


NOTE: CLIP BASE OF (N) 6X6 POST TO (E) 7" GIRT AT ATTIC WITH 2-A35 CLIPS. LOCAL REMOVAL AND REPLACEMENT OF ATTIC FLOOR SHEATHING AND DUSTBOARDS REQUIRED. ANCHOR (N) POST DIRECTLY TO (E) GIRT.

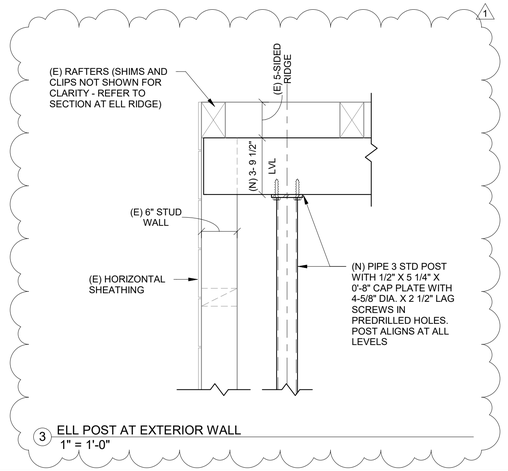
5 SECTION AT RIDGE
1" = 1'-0"



4 SECTION AT ELL HANGER ROD
1" = 1'-0"



2 SECTION AT RIDGE
1" = 1'-0"



3 ELL POST AT EXTERIOR WALL
1" = 1'-0"

drawing title
Roof Framing Plan

professional seal

REVISIONS		
mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

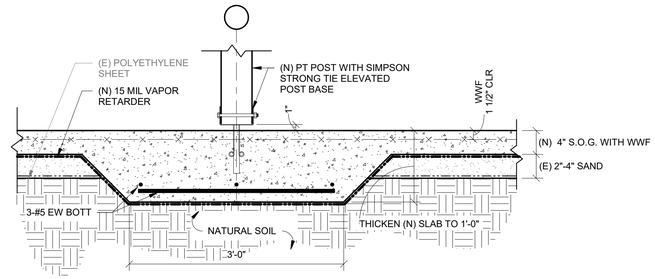
drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

date: 11/19/2019
scale: As indicated
drawn by: MD/AJ
approved by: JFN
drawing no.: S-104

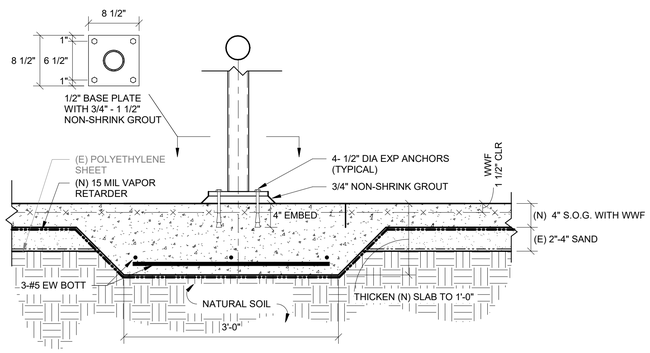
project
PRUDENCE CRANDALL MUSEUM RENOVATIONS

1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

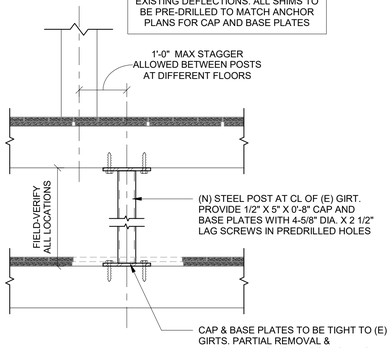
CAD no.: S-104 Roof Framing Plan
project no.: BI-RR-28



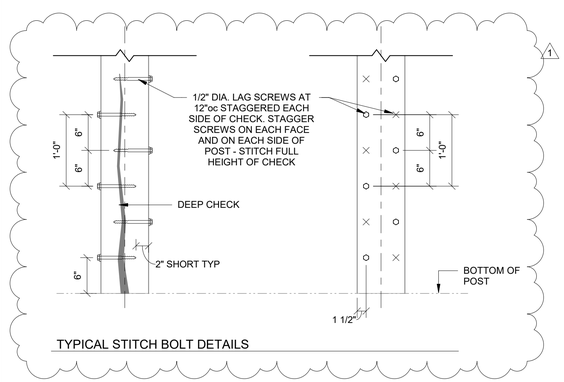
(N) SLAB-ON-GRADE AT (N) WOOD POST



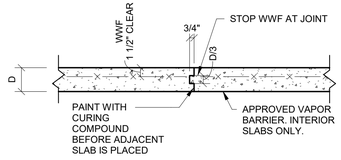
(N) SLAB-ON-GRADE AT (N) STEEL POST



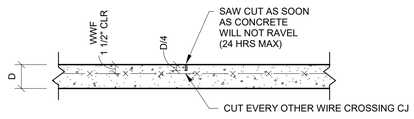
TYPICAL (N) POST DETAIL



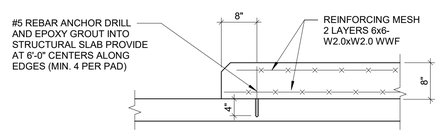
TYPICAL STITCH BOLT DETAILS



TYPICAL SLAB ON GRADE CONSTRUCTION JOINT DETAIL



TYPICAL SLAB ON GRADE CONTROL JOINT DETAIL



TYPICAL CONCRETE HOUSE KEEPING PAD

SEE ARCH OR MECH DRAWINGS FOR LOCATIONS AND SIZES

TYPICAL CONCRETE HOUSE KEEPING PAD

GENERAL

1. 2018 STATE OF CONNECTICUT STATE BUILDING CODE AND SUPPLEMENT.
2. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORING AND BRACING TO MAINTAIN THE STABILITY, SAFETY, AND LATERAL LOAD RESISTANCE OF THE BUILDING AND ITS INDIVIDUAL COMPONENTS THROUGHOUT CONSTRUCTION.
3. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST ARCHITECTURAL DRAWINGS.
4. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER.
5. FOR RENOVATIONS AND ADDITIONS, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO PERFORMING WORK.
6. DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE GENERALLY OBTAINED FROM THE ARCHITECT AND ARE INCLUDED AS INFORMATION COMPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. LAYOUT OF BUILDING FOUNDATIONS OR OTHER ITEMS MAY BY MADE USING THE DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS ONLY IF THE CONTRACTOR HAS COMPARED THESE DRAWINGS WITH THE ARCHITECTURAL DRAWING AND HAS RECEIVED CLARIFICATION, FROM THE ARCHITECT, REGARDING ANY ERRORS, INCONSISTENCIES, OR OMISSIONS.
7. DO NOT SCALE DRAWINGS TO OBTAIN INFORMATION.
8. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATER/DAMP-PROOFING AND FIREPROOFING REQUIREMENTS.

DESIGN CRITERIA

1. DESIGN LIVE LOADS:

FIRST FLOOR:	50 PSF
SECOND FLOOR:	30 PSF- NO STORAGE
ATTICS	NO STORAGE - ACCESS FOR MAINTENANCE ONLY

2. SNOW LOADS:

GROUND SNOW LOAD:	Pg =35
IMPORTANCE FACTOR:	Is = 1.0
FLAT ROOF SNOW LOAD:	Pf = 30 PSF
SNOW EXPOSURE FACTOR:	Ce = 1.0
THERMAL FACTOR:	Ct = 1.0

3. WIND LOADS:

NOMINAL DESIGN WIND SPEED (3 SEC GUST, ASD):	105 MPH
WIND EXPOSURE CATEGORY:	C
WIND IMPORTANCE FACTOR:	Iw = 1.15

REINFORCED CONCRETE

1. ALL CONCRETE IS DESIGNED BY ULTIMATE STRENGTH METHODS PER ACI 318 AND SHALL BE NORMAL WEIGHT (UNLESS INDICATED AS LIGHT WEIGHT ON PLANS) AIR ENTRAINED WITH A 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:

WALLS AND FOUNDATIONS	3000 PSI
INTERIOR SLABS ON GRADE	3500 PSI

2. ALL REINFORCING BARS SHALL BE HIGH STRENGTH DEFORMED BARS ASTM A 615 - GRADE 60 U.N.O.
3. REINFORCING BARS FOR WELDING TO STRUCTURAL STEEL SHALL BE ASTM A706 WELDABLE REINFORCING.
4. DETAIL ALL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL - 1988." SHOW ON THE PLACING DRAWINGS THE NUMBER AND LOCATION OF ALL BAR SUPPORTS AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT IN POSITIONS INDICATED.
5. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT WHEN NOT OTHERWISE INDICATED SHALL BE:

CONCRETE POURED IN FORMS BUT EXPOSED TO EARTH OF WEATHER:	3"
CONCRETE POURED IN FORMS BUT EXPOSED TO EARTH OF WEATHER - BARS #5 AND SMALLER:	1 - 1/2"
CONCRETE POURED IN FORMS BUT EXPOSED TO EARTH OF WEATHER - BARS LARGER THAN #5	2"
SLABS, WALLS NOT EXPOSED TO EARTH OR WEATHER:	3/4"

6. NO SPLICES OF REINFORCEMENT SHALL BE MADE EXCEPT AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. REBAR DEVELOPMENT / SPLICE LENGTH SHALL BE AS SHOWN IN THE TABLES AT THE END OF THIS SECTION UNLESS OTHERWISE NOTED. MAKE ALL BARS CONTINUOUS AROUND CORNERS.

ANCHORS

1. ALL HOLES INTO MASONRY OR CONCRETE WALLS FOR PROPRIETARY ANCHORING SYSTEMS SHALL BE DRILLED AND CLEANED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. ALL PROPRIETARY ANCHORING SYSTEMS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS AND USING ALL RECOMMENDED ACCESSORIES AND SUPPLEMENTAL COMPONENTS SUCH AS SCREEN TUBES, WASHERS, ETC.
3. ALL HOLES IN HOLLOW MASONRY SHALL BE DRILLED WITH ROTARY DRILLS. HAMMER DRILLS ARE NOT PERMITTED.
4. ALL THREADED CONCRETE/MASONRY ANCHORS SHALL BE HILTI HUS-H, SIMPSON TITEN, ITW TAP-CON
5. ALL EXPANSION ANCHORS SHALL BE HILTI KWIK-BOLT 3, SIMPSON WEDGE-ALL, OR DEWALT POWER-STUD

STEEL

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING UNLESS NOTED OTHERWISE ON THE DRAWINGS:

ALL ROLLED SECTIONS (EXCEPT WF):	ASTM A36
TUBULAR SECTIONS:	ASTM A500, GRADE B
PIPE SECTIONS:	ASTM A53, GRADE B
ANCHOR RODS:	ASTM F1554, GRADE 55
MISC. PLATES AND CONNECTION MATERIALS:	ASTM A36

2. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC SPECIFICATION FOR STRUCTURAL STEEL
3. ALL HIGH STRENGTH BOLTS SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS AS ENDORSED BY AISC.
4. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE - STEEL D1.1, LATEST EDITION. USE E70XX ELECTRODES UNLESS NOTED OTHERWISE.
5. PROVIDE ALL PLATES, CLIP ANGLES, CLOSURE PIECES, STRAP ANCHORS, MISCELLANEOUS PIECES, AND HOLES REQUIRED TO COMPLETE THE STRUCTURE.
6. ALL STEEL EXPOSED TO WEATHER, INCLUDING LINTELS IN EXTERIOR WALLS, AND STEEL IN BASEMENT SHOULD BE HOT DIP GALVANIZED U.N.O.

WOOD

1. ALL FRAMING LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT) SPF U.N.O. PRESSURE TREATED SOUTHERN PINE SHALL BE USED FOR GROUND CONTACT, SILL PLATES, OR EXTERIOR USE.

   ALL OTHER MEMBERS SHALL BE NO. 2 OR BETTER.

   FOR EXPOSED FRAMING SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. WHERE FRAMING CLIPS OR JOISTS HANGERS ARE USED, NAILING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
3. ALL OPENINGS SHALL BE FRAMED WITH DOUBLE MEMBERS UNLESS OTHERWISE NOTED ON PLANS.
4. METAL CONNECTOR HARDWARE SHOWN ON PLANS AND DETAILS ARE SIMPSON STRONG-TIE CONNECTORS AND ARE SELECTED FOR LOAD REQUIREMENTS. SUBSTITUTION IS PERMITTED IF LOAD CAPACITIES OF ALTERNATE ARE OF EQUAL OR GREATER CAPACITY THAN COMPARABLE SIMPSON CONNECTOR. FASTENING SHALL BE PER MANUFACTURER'S REQUIREMENTS.
5. SIMPSON STRONG-TIE STRUCTURAL CONNECTORS ARE USED AS BASIS OF DESIGN THROUGHOUT THESE DOCUMENTS. USE OF MITEK USP STRUCTURAL CONNECTORS OR ALPINE STRUCTURAL CONNECTORS IS ALSO ACCEPTABLE.

ENGINEERED WOOD

1. ALL ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:

ENGINEERED WOOD PROPERTIES					
	Fb (psi)	Fc PARR (psi)	Fc PERP (psi)	Fv (psi)	E (psi)
LVL	2950	750	1250	125	1.9E6

SUBMITTALS

1. REFER TO ARCHITECTURAL DRAWINGS AND PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS. ITEMS LISTED HERE ARE NOT INCLUSIVE OF ALL PROJECT REQUIREMENTS.
2. CONTRACTOR/SUBCONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE FOLLOWING ITEMS FOR REVIEW AND APPROVAL BY THE ENGINEER, PRIOR TO THE PURCHASE AND INSTALLATION OF ANY MATERIALS.
3. CONTRACTOR SHALL SUBMIT CUT SHEETS, PRODUCT DATA, AND MANUFACUTRER'S INFORMATION FOR ALL FASTENERS, ANCHORS, MIXES, AND MATERIALS IDENTIFIED ON THE DRAWINGS.
4. CONTRACTOR SHALL REVIEW ALL SUBMITTALS, WHETHER COMPILED BY THE CONTRACTOR OR SUBCONTRACTORS, FOR COMPLETION AND ACCURACY PRIOR TO SENDING THEM TO THE ENGINEER FOR REVIEW AND APPROVAL.
5. ALL SUBMITTALS SHALL BE IN ELECTRONIC PDF FORMAT WITH THE ABILITY FOR THE ENGINEER TO COMMENT AND RE-SAVE THE FILE. REPRODUCTION OF THE ENGINEER'S CONTRACT DOCUMENTS IS NOT ACCEPTABLE FOR USE AS SHOP DRAWINGS.
6. REINFORCED CONCRETE SHOP DRAWINGS: INDICATE SIZE, SHAPE, AND LOCATION OF ALL NEW CONCRETE. SUBMIT PLANS, ELEVATIONS, AND DETAILS FOR ENGINEER'S REVIEW AND APPROVAL.
7. STRUCTURAL STEEL SHOP DRAWINGS: INDICATE SIZE, SHAPE, AND LOCATION OF ALL STEEL AND CONNECTIONS. SUBMIT PLANS, DETAILS, AND PIECE DRAINGS FOR THE ENGINEER'S REVIEW AND APPROVAL.

drawing title: General Notes

professional seal

REVISIONS		
mark	date	description
1	4-30-2020	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
GNCB CONSULTING ENGINEERS, P.C.
1358 BOSTON BOST ROAD, 2ND FLOOR, PO BOX 802
OLD SAYBROOK, CT 06475

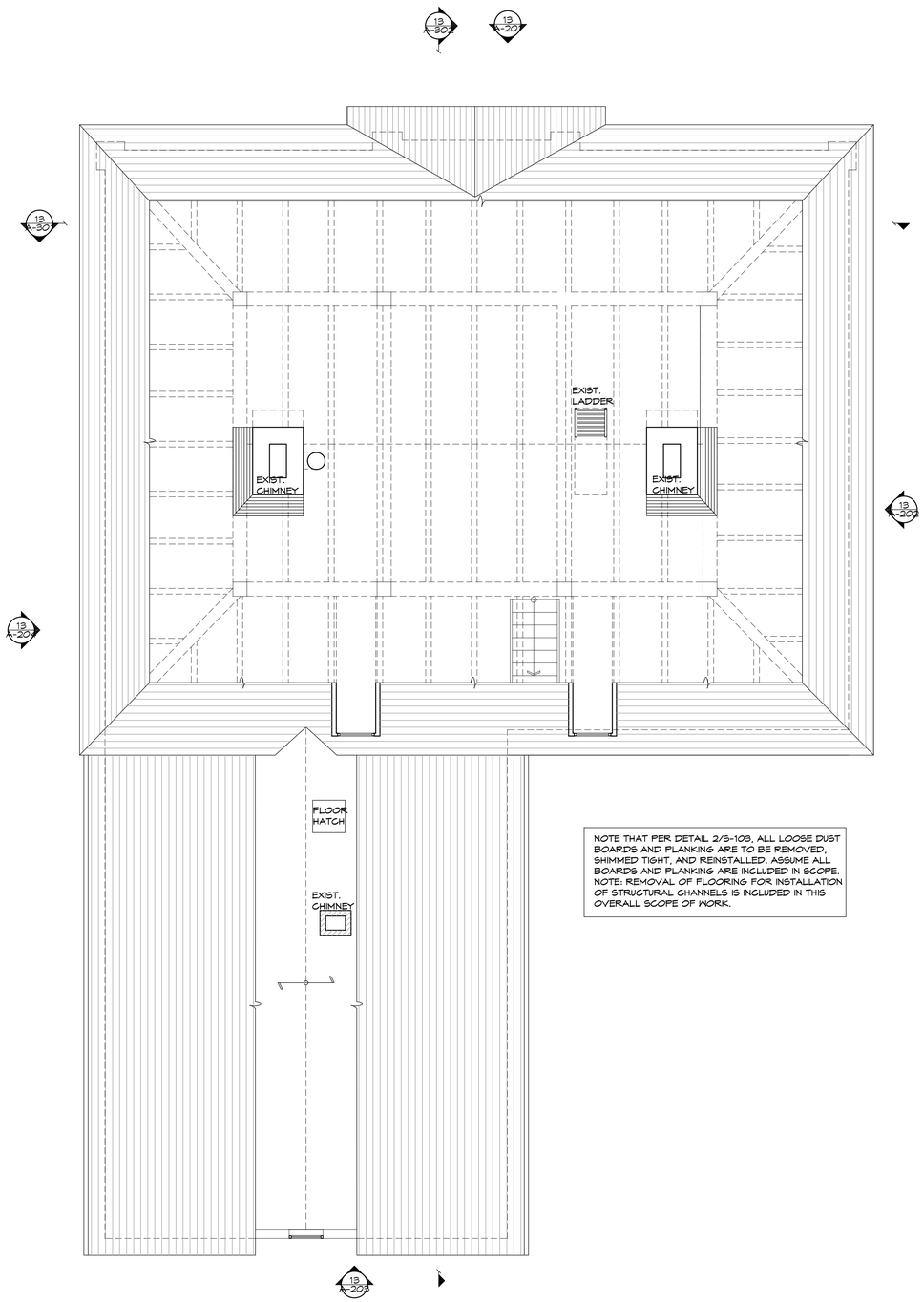
project
PRUDENCE CRANDALL MUSEUM RENOVATIONS

1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. S-300 General Notes
project no. BI-RR-28

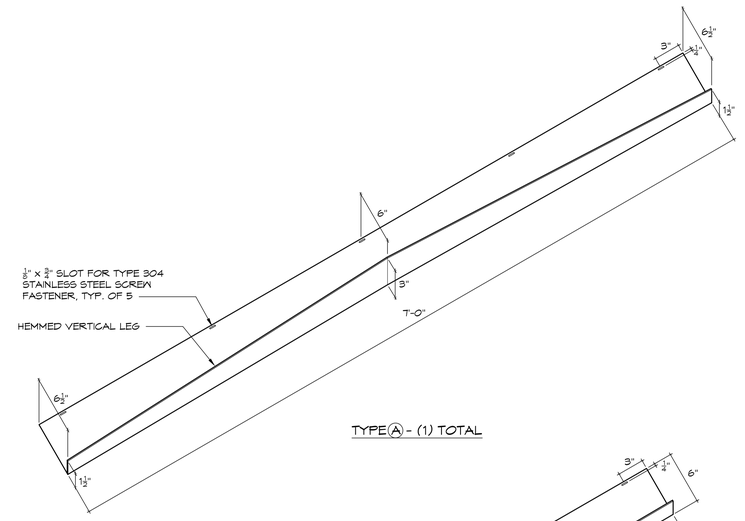
date 11/19/2019
scale As indicated
drawn by JJS
approved by AJ
drawing no. S-300

19044
C:\Users\Intern Login\Documents\19044 S19 Prudence Crandall House Central_Intern Login.rvt

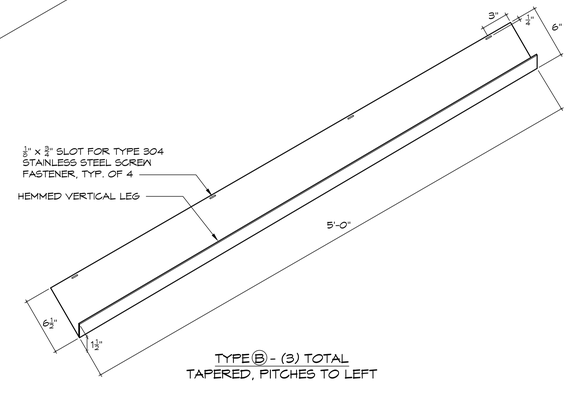


NOTE THAT PER DETAIL 2/S-103, ALL LOOSE DUST BOARDS AND PLANKING ARE TO BE REMOVED, SHIMMED TIGHT, AND REINSTALLED. ASSUME ALL BOARDS AND PLANKING ARE INCLUDED IN SCOPE. NOTE: REMOVAL OF FLOORING FOR INSTALLATION OF STRUCTURAL CHANNELS IS INCLUDED IN THIS OVERALL SCOPE OF WORK.

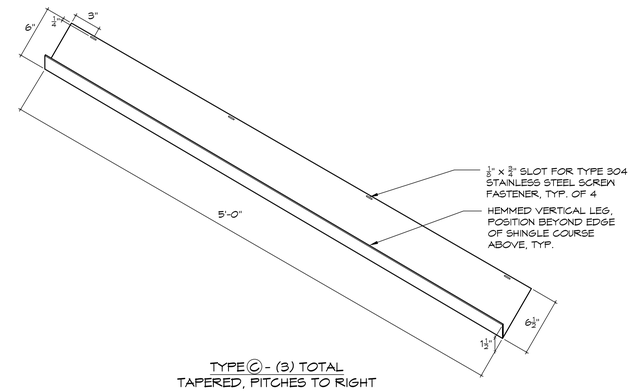
13 ATTIC PLAN
1/4" = 1'-0"



TYPE Ⓐ - (1) TOTAL



TYPE Ⓑ - (3) TOTAL
TAPERED, PITCHES TO LEFT



TYPE Ⓒ - (3) TOTAL
TAPERED, PITCHES TO RIGHT

1 LCC COPPER RAIN DIVERTERS - 16 OZ
1 1/2" = 1'-0"

drawing title
ATTIC PLAN

professional seal

REVISIONS		
mark	date	description
1	4/30/20	Addendum #4

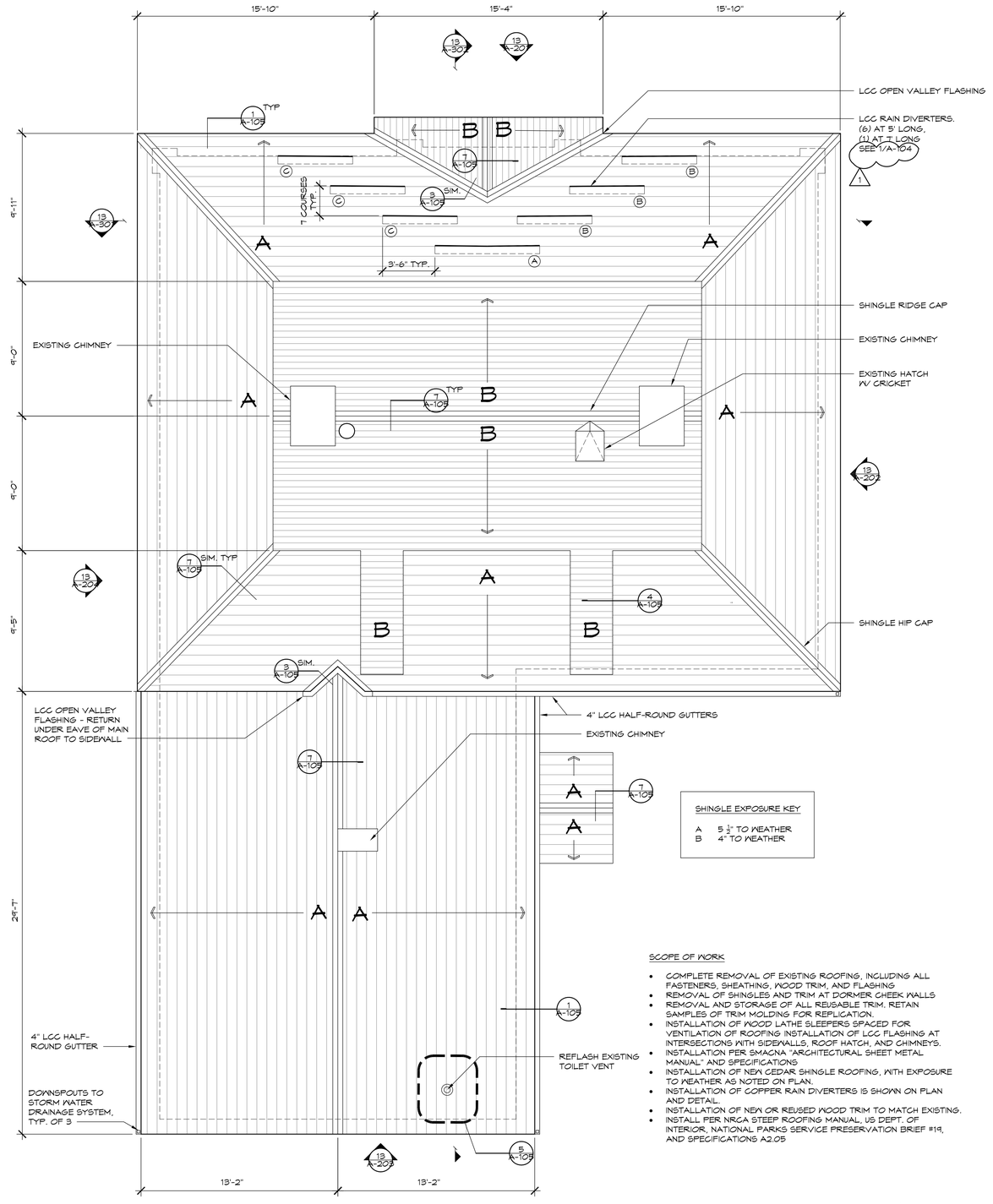
STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
TLB ARCHITECTURE
92 WEST MAIN STREET
CHESTER, CT 06412

project
PRUDENCE CRANDALL MUSEUM RENOVATIONS
1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. A-104_ATTIC.dwg
project no. BI-RR-28

date 11/19/2019
scale 1/4" = 1'-0"
drawn by XXX
approved by XXX
drawing no. A-104



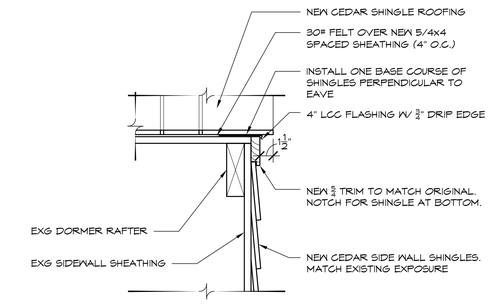
SHINGLE EXPOSURE KEY

A 5 1/2" TO WEATHER
B 4" TO WEATHER

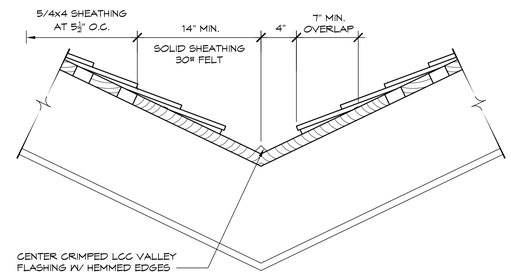
SCOPE OF WORK

- COMPLETE REMOVAL OF EXISTING ROOFING, INCLUDING ALL FASTENERS, SHEATHING, WOOD TRIM, AND FLASHING
- REMOVAL OF SHINGLES AND TRIM AT DORMER CHEEK WALLS
- REMOVAL AND STORAGE OF ALL REUSABLE TRIM. RETAIN SAMPLES OF TRIM MOLDING FOR REPLICATION.
- INSTALLATION OF WOOD LATHE SLEEPERS SPACED FOR VENTILATION OF ROOFING INSTALLATION OF LCC FLASHING AT INTERSECTIONS WITH SIDEWALLS, ROOF HATCH, AND CHIMNEYS.
- INSTALLATION PER SMACNA "ARCHITECTURAL SHEET METAL MANUAL" AND SPECIFICATIONS
- INSTALLATION OF NEW CEDAR SHINGLE ROOFING, WITH EXPOSURE TO WEATHER AS NOTED ON PLAN.
- INSTALLATION OF COPPER RAIN DIVERTERS IS SHOWN ON PLAN AND DETAIL.
- INSTALLATION OF NEW OR REUSED WOOD TRIM TO MATCH EXISTING.
- INSTALL PER NRCA STEEP ROOFING MANUAL, US DEPT. OF INTERIOR, NATIONAL PARKS SERVICE PRESERVATION BRIEF #19, AND SPECIFICATIONS A2.05

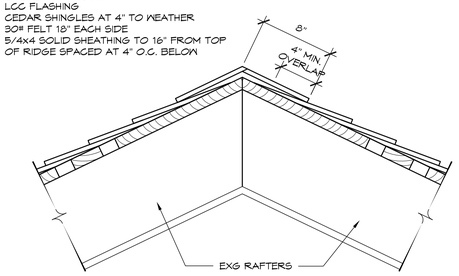
13 ROOF PLAN
1/4" = 1'-0"



4 SECTION DETAIL AT DORMER SIDEWALL
1 1/2" = 1'-0"

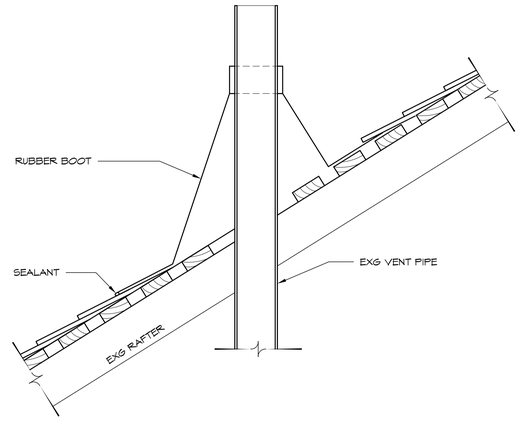


- RIDGE CAP - DOUBLE LAYER, ALTERNATE OVERLAP AT JOINT
- LCC FLASHING
- CEDAR SHINGLES AT 4" TO WEATHER
- 30# FELT 18" EACH SIDE
- 5/4x4 SOLID SHEATHING TO 16" FROM TOP OF RIDGE SPACED AT 4" O.C. BELOW



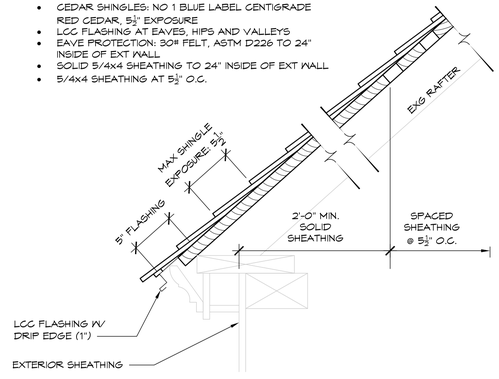
7 SECTION DETAIL AT RIDGE - HIP SIM.
1 1/2" = 1'-0"

3 SECTION DETAIL AT VALLEY, TYP.
1 1/2" = 1'-0"



ROOF ASSEMBLY

- CEDAR SHINGLES: NO 1 BLUE LABEL CENTIGRADE RED CEDAR, 5 1/2" EXPOSURE
- LCC FLASHING AT EAVES, HIPS AND VALLEYS
- EAVE PROTECTION: 30# FELT, ASTM D226 TO 24" INSIDE OF EXT WALL
- SOLID 5/4x4 SHEATHING TO 24" INSIDE OF EXT WALL
- 5/4x4 SHEATHING AT 5 1/2" O.C.



5 SECTION DETAIL AT VENT PIPE PENETRATION
1 1/2" = 1'-0"

1 SECTION DETAIL AT EAVE, TYP.
1 1/2" = 1'-0"

drawing title: ROOF PLAN

professional seal

REVISIONS

mark	date	description
1	4/30/20	Addendum #4

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

drawing prepared by
TLB ARCHITECTURE
92 WEST MAIN STREET
CHESTER, CT 06412

project
PRUDENCE CRANDALL MUSEUM RENOVATIONS
1 SOUTH CANTERBURY ROAD
CANTERBURY, CT 06331

CAD no. A-105 ROOF.dwg
project no. BI-RR-28

date 11/19/2019
scale AS NOTED
drawn by XXX
approved by XXX
drawing no. A-105