

UIHLEIN | WILSON
RAMLOW | STEIN
ARCHITECTURE | DESIGN | PLANNING

322 East Michigan Street
Milwaukee, WI 53202

414.271.8899
office@uihlein-wilson.com
www.uihlein-wilson.com

© UIHLEIN/WILSON - RAMLOW/STEIN ARCHITECTS, INC. ALL RIGHTS RESERVED.
OWNERSHIP OF DOCUMENTS
This document, and the ideas and designs incorporated herein, is an instrument of professional service, is the sole property of Uihlein/Wilson - Ramlow/Stein Architects, Inc., and is not to be used in whole or in part for any other project or purpose without the express written authorization of Uihlein/Wilson - Ramlow/Stein Architects, Inc.

| REVISIONS | | |
|-----------|------------|-------------|
| No. | Date | Description |
| 1 | 10/11/2018 | Addendum 1 |



TRINITY EVANGELICAL LUTHERAN CHURCH RESTORATION

09/21/2018

18-122

1046 N 9TH ST,
MILWAUKEE WI 53206

| INDEX | | | |
|----------------------|---|----------|---------------|
| Sheet Number | Sheet Name | Drawn By | Discipline |
| GENERAL | | | |
| G000 | TITLE SHEET | UWRS | GENERAL |
| G001 | CODE INFORMATION, ABBREVIATIONS & SYMBOLS | UWRS | GENERAL |
| ARCHITECTURAL | | | |
| A101 | FIRST FLOOR PLAN | UWRS | ARCHITECTURAL |
| A102 | SECOND FLOOR PLAN | UWRS | ARCHITECTURAL |
| A103 | ROOF PLAN | Author | ARCHITECTURAL |
| A200 | BUILDING ELEVATIONS | UWRS | ARCHITECTURAL |
| A201 | BUILDING ELEVATIONS | UWRS | ARCHITECTURAL |
| A202 | BUILDING ELEVATIONS | UWRS | ARCHITECTURAL |
| A300 | SECTIONS | UWRS | ARCHITECTURAL |
| A301 | SECTIONS | UWRS | ARCHITECTURAL |
| A302 | SECTIONS | UWRS | ARCHITECTURAL |
| A303 | SECTIONS | Author | ARCHITECTURAL |
| A400 | DETAILS | UWRS | ARCHITECTURAL |
| A401 | DETAILS | UWRS | ARCHITECTURAL |
| A402 | DETAILS | UWRS | ARCHITECTURAL |
| STRUCTURAL | | | |
| S001 | GENERAL NOTES AND DESIGN CRITERIA | PIERCE | STRUCTURAL |
| S200 | ROOF FRAMING PLAN | PIERCE | STRUCTURAL |
| S400 | STRUCTURAL DETAILS | PIERCE | STRUCTURAL |
| S401 | STRUCTURAL SECTIONS | PIERCE | STRUCTURAL |
| S402 | STRUCTURAL DETAILS | PIERCE | STRUCTURAL |
| S403 | STRUCTURAL DETAILS | PIERCE | STRUCTURAL |

PROJECT TEAM

OWNER
TRINITY EVANGELICAL LUTHERAN CHURCH
1046 North 9th Street
Milwaukee, Wisconsin 53206

ARCHITECT
UIHLEIN-WILSON / RAMLOW-STEIN ARCHITECTS, INC. (UWRS)
322 East Michigan Street, #400
Milwaukee, Wisconsin 53202
Telephone: (414) 271-8899
Fax: (414) 271-8899

STRUCTURAL ENGINEERING
PIERCE ENGINEERS, INC.
181 N Broadway
Milwaukee, Wisconsin 53202
Telephone: (414) 278-6500

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

SHEET
TITLE SHEET

DATE
09/21/2018

PROJECT NO.
18-122

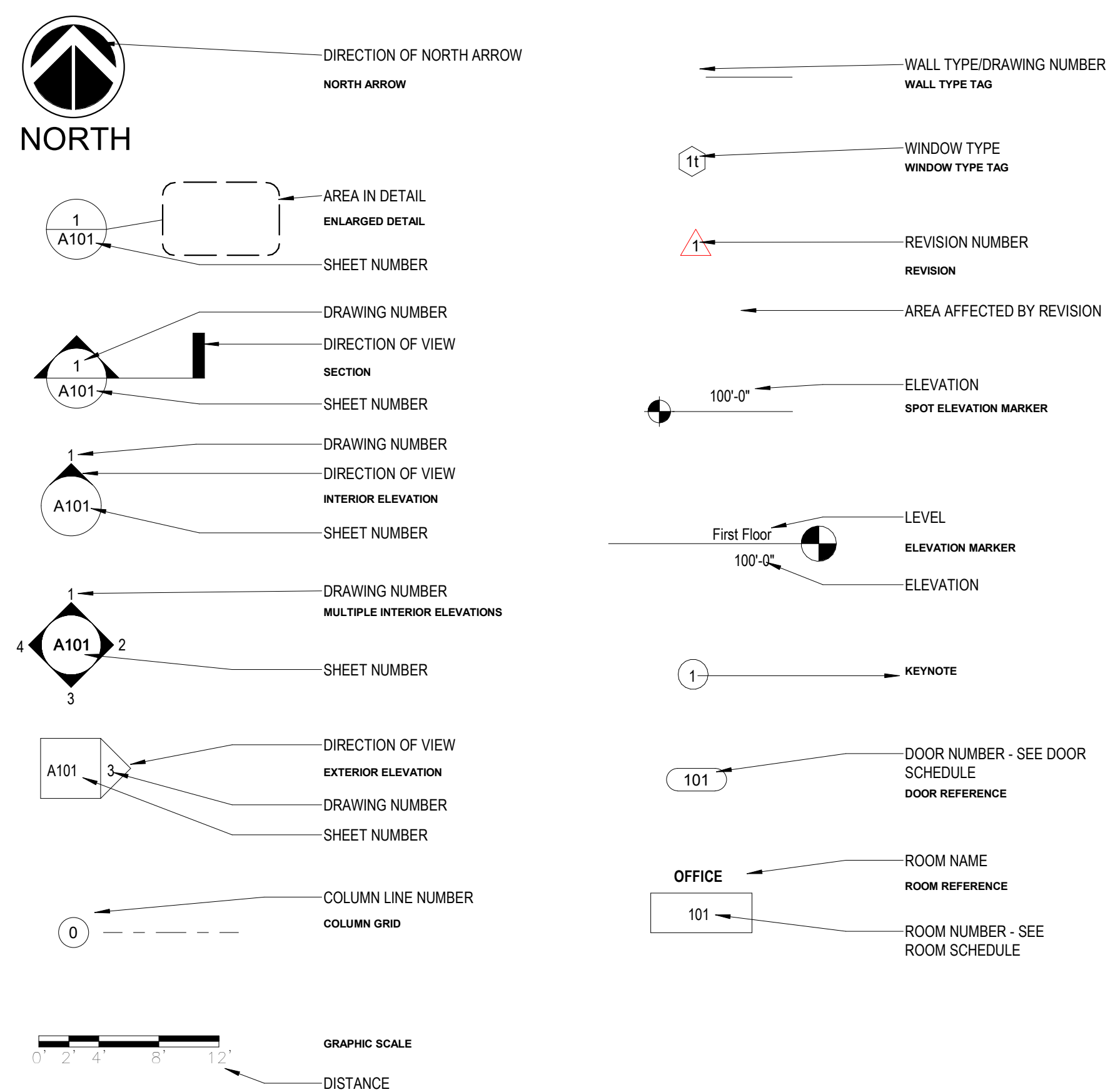
SHEET NO.

G000

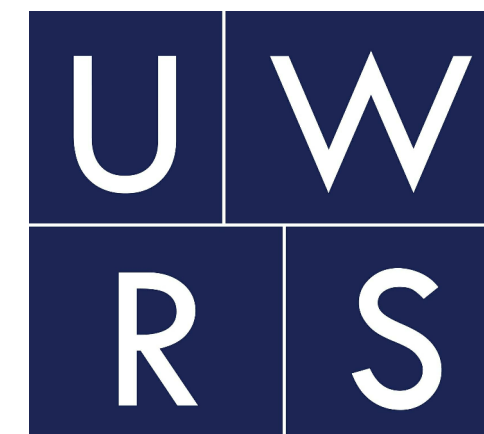
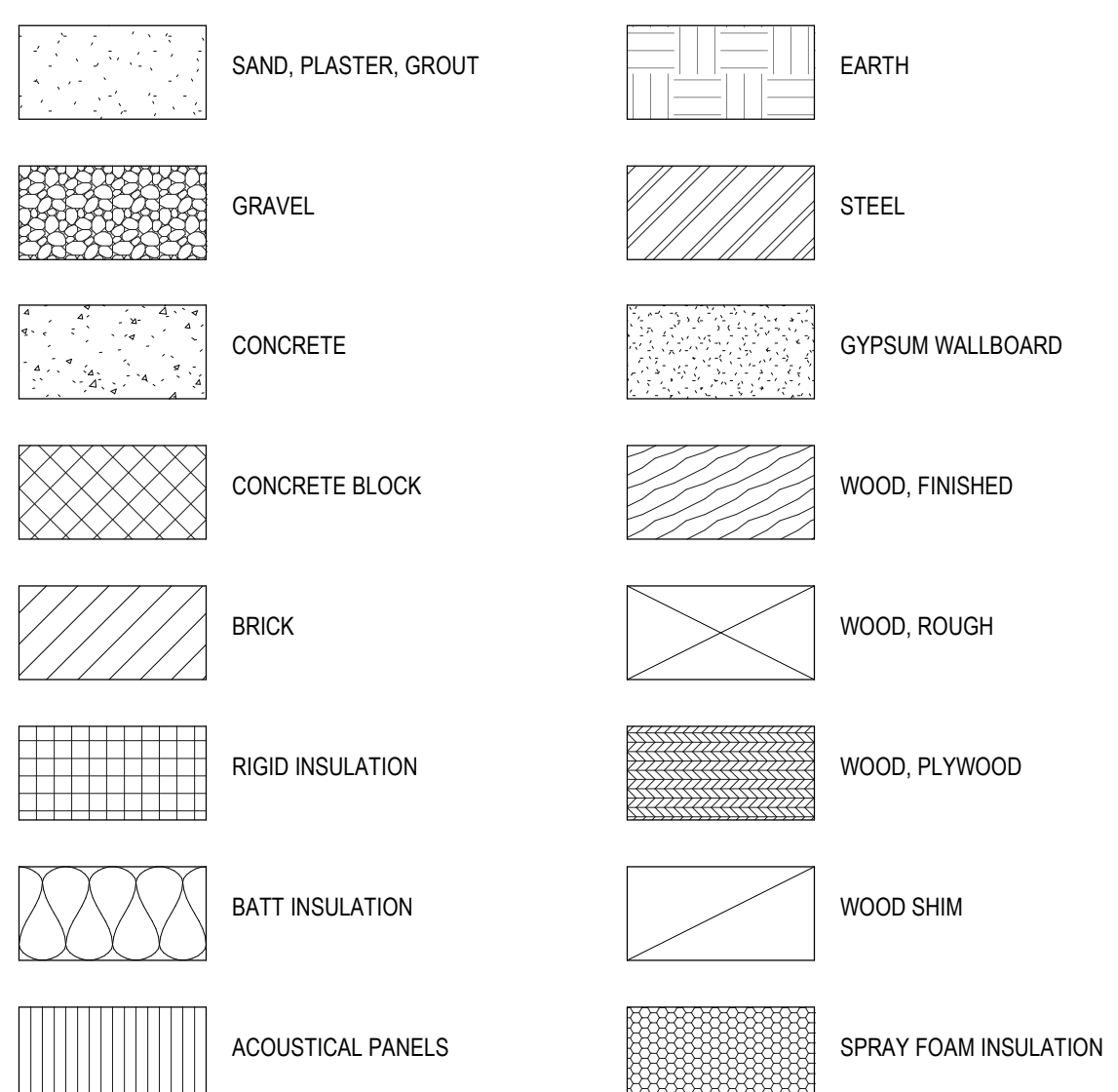
ABBREVIATIONS

| | | | |
|---------|---|------------|---|
| / | ANGLE | MACH | MACHINE |
| @ | PERCENT | MAS | MASONRY |
| % | ANCHOR BOLT | MATL | MATERIAL |
| AB | AIR CONDITIONING | MAX | MAXIMUM |
| ACCUS | ACOUSTICAL | MB | MARKERBOARD |
| ACP | ACOUSTICAL CEILING PANELS | MC | MECHANICAL CONTRACTOR |
| ACT | ACOUSTICAL CEILING TILES | MD | MEDIUM DENSITY FIBERBOARD |
| AD | AREA DRAIN | MECH | MECHANICAL |
| ADJ | ADJUSTABLE | MED | MEDIUM |
| AFF | ABOVE FINISHED FLOOR | MEZZ | MEZZANINE |
| ALT | ALTERNATE | MFR | MANUFACTURER |
| ALUM | ALUMINUM | MH | MAN HOLE |
| ANOD | ANODIZED | MIN | MINIMUM |
| AP | ACCESS PANEL/ACRYLIC PANEL | MIR | MIRROR |
| APPROX | APPROXIMATELY | MISC | MISCELLANEOUS |
| ARCH | ARCHITECT(URAL) | MO | MASONRY OPENING |
| ASB | ASBESTOS | MB | MARBLE BASE |
| ASPH | ASPHALT | MRBL | MARBLE |
| AWP | ACOUSTICAL WALL PANEL | MTL | METAL |
| | | MULL | MULLION |
| | | MULTI | MULTIPLE |
| B-B | BACK TO BACK | N/A | NOT APPLICABLE |
| B&B | BALLED AND BURLAPPED | N | NORTH |
| BB | BULLETIN BOARD | NIC | NOT IN CONTRACT |
| BD | BOARDING | NB | NUMBER |
| BF | BOTH FACES | NOM | NOMINAL |
| BIT | BITUMINOUS | NRG | NOISE REDUCTION COEFFICIENT |
| BL | BORROWED LITE | NS | NO SCALE |
| BLDG | BUILDING | NTE | NOT TO EXCEED |
| BLK | BLOCK | NTS | NOT TO SCALE |
| BLKG | BLOCKING | OA | OUTSIDE AIR/OVERALL |
| BM | BENCH MARK | OC | ON CENTER |
| BOS | BOTTOM OF STEEL | OD | OUTSIDE DIAMETER |
| BRG | BEARING | OFCI | OWNER FURNISHED, CONTRACTOR INSTALLED |
| BRK | BRICK | OFOI | OWNER FURNISHED, OWNER INSTALLED |
| BS | BACK SPLASH | OH | OPPOSITE HAND/OVERHEAD |
| BSMT | BASEMENT | OPG/OPNG | OPENING |
| BTM | BOTTOM | OPP | OPPOSITE |
| BTU | BRITISH THERMAL UNIT | OZ | (OUNCES) |
| BUR | BUILT UP ROOF | P | PAINT |
| | | PART | PARTITION |
| C | CHANNEL | PCF | POUNDS PER CUBIC FOOT |
| CAB | CABINET | PL | PLATE/PROPERTY LINE |
| CB | CATCH BASIN/CORNER BEAD | PLM | PLASTIC LAMINATE |
| CBP | CHALK BOARD PAINT | PLAS/PLAST | PLASTER/PLASTIC |
| CC | CENTER TO CENTER | PLGB | PLUMBING |
| CER | CERAMIC | PR | PREFAB |
| CF | CORK FLOORING | PREFIN | PREFABRICATED |
| CFOI | CONTRACTOR FURNISHED, OWNER INSTALLED | PRELIM | PRELIMINARY |
| CG | CORNER GUARD | PS | PROJECTION SCREEN |
| CG-S | CORNER GUARD STAINLESS STEEL | PSF | POUNDS PER SQUARE FOOT |
| CG-W | CORNER GUARD WOOD LOOK | PSI | POUNDS PER SQUARE INCH |
| CJ | CONTROL JOINT | P&S | POLE AND SHELF |
| CL | CENTER LINE | PT | PORCELAIN TILE |
| CLG | CEILING | PTB | PORCELAIN TILE BASE |
| CLR | CLEAR | PTW | PORCELAIN WALL TILE |
| CM | CENTIMETER | PTM | PATCH TO MATCH/PORCELAIN TILE MOSAIC |
| CMU | CONCRETE MASONRY UNIT | PVC | POLYVINYL CHLORIDE |
| COL | COLUMN | PWB | PAINTED WOOD BASE |
| CONC | CONCRETE | PWD/PLYWD | PLYWOOD |
| CONCT | CONSTRUCTION | Q | QUARTZ SURFACE |
| CONT | CONTINUOUS | QT | QUARRY TILE |
| CONTR | CONTRACTOR | QTB | QUARRY TILE BASE |
| CORR | CORRUGATED | QTW | QUARRY WALL TILE |
| CPT | CARPET | R | RADIUS(STAIR) RISER |
| CR | CHAIR RAIL/COAT RACK/COLD ROLLED | RA | RETURN AIR |
| CSMT | CASEMENT | RB | RUBBER BASE |
| CTR | COUNTER | RBR | RUBBER FLOORING |
| CTSK | COUNTERSUNK | RCP | REINFORCED CONCRETE PIPE/REFLECTED CEILING PLAN |
| CU | CUBIC | RD | ROOF DRAIN |
| D | DEPTH | REBAR | REINFORCING BAR |
| DBL | DOUBLE | REINFC | REINFORCING |
| DBL | DOUBLE HUNG | REQD | REQUIRED |
| DIA | DIAMETER | RES | RESILIENT |
| DIAG | DIAGONAL | REVN | REVISION |
| DIM | DIMENSION | RFG | ROOFING |
| DISP | DISPENSER | RH | RIGHT HAND |
| DN | DOWN | RM | ROOM |
| DO | DITTO/DOOR OPENING | RO | ROUGH OPENING |
| DP | DRAPERY | ROW | RIGHT OF WAY |
| DR | DOOR | RS | ROLLER SHADE |
| DS | DOWNSPOUT | RST | RUBBER STAIRS |
| DTL | DETAIL | S | SINK/SOUTH |
| DWG | DRAWING | SAN | SANITARY |
| E | EAST | SB | SOIL BORING |
| EA | EXISTING | SC | SOLID CORE |
| EA | EACH | SCHED | SCHEDULE(D) |
| EL/ELEV | ELEVATION/ELEVATOR | SCONC | SEALED CONCRETE |
| ELECT | ELECTRICAL | SCD | SOAP DISPENSER |
| EP | EPOXY PAINT | SECT | SECTION |
| EPDM | ETHYLENE PROPYLENE DIENE MONOMER | SH | SHELF/SINGLE HUNG |
| EQ | EQUAL | SHIT | SHEET |
| EQUIP | EQUIPMENT | SHTG | SHEATHING |
| ETR | EXISTING TO REMAIN | SIM | SIMILAR |
| EW | ELECTRIC WATER COOLER | SHVT | SHORT LEG VERTICAL |
| EXH | EXHAUST | SND | SANITARY NAPKIN DISPENSER |
| EXISTE- | EXISTING | SNR | SANITARY NAPKIN RECEPTACLE |
| EXP | EXPANSION | SP | SPECIALTY PAINT |
| EXT | EXTERIOR | SQ | SQUARE |
| FA | FIRE ALARM/FORCED AIR/FRESH AIR | SR | SHOWER ROD |
| FAB | FABRIC | SS | SERVICE SINK/STAINLESS STEEL/SOLID SURFACE |
| FD | FLOOR DRAIN | ST | STONE |
| FDN | FOUNDATION | STB | STONE BASE |
| FE | FIRE EXTINGUISHER | STC | SOUND TRANSMISSION CLASS |
| FEC | FIRE EXTINGUISHER CABINET | STD | STANDARD |
| FF | FACE TO FACE | STL | STEEL |
| FF | FINISHED FLOOR | STOSDR | STORAGE |
| FH | FLAT HEAD (SCREW) | STRUC | STRUCTURAL |
| FHC | FIRE HOSE CABINET | STW | STONE WAINSCOT |
| FIN | FINISHED | SUSP | SUSPENDED |
| FIKT | FIXTURE | SV | STAIN AND VARNISH |
| FL | FLOOR | SWB | STAINED WOOD BASE |
| FLR | FLOOR | SYM | SYMMETRICAL |
| FLR | FLOOR | T | TREAD |
| FLUOR | FLUORESCENT | TB | TACKBOARD/TOWEL BAR |
| FOC | FACE OF COLUMN | T&B | TOP AND BOTTOM |
| FOM | FACE OF MASONRY | TEL | TELEPHONE |
| FOS | FACE OF STUD | TEMP | TEMPERATURE/TEMPERED/TEMPORARY |
| FOW | FACE OF WALL | T&G | TONGUE AND GROOVE |
| FRP | FIBERGLASS REINFORCED PANEL | THK | THICKNESS |
| FS | FULL SIZE | TOB | TOP OF BEAM |
| FT | FOOT/FEET | TOC | TOP OF CURB |
| FTF | FLOOR TO FLOOR | TOF | TOP OF FOOTING |
| FTG | FOOTING | TOJ | TOP OF JOIST |
| FURN | FURNITURE | TOS | TOP OF STEEL |
| FV | FIELD VERIFY | TOW | TOP OF WALL |
| GA | GAGE | TP | TOILET PARTITIONS |
| GAL | GALLON | TPH | TOILET PAPER HOLDER |
| GALV | GALVANIZED | TRZO | TERRAZZO |
| GB | GRAB BAR | TRZOB | TERRAZZO BASE |
| GC | GENERAL CONTRACTOR | TS | TRANSITION STRIP |
| GL | GLASS | TYP | TYPICAL |
| GLP | GLASS PARTITION | UL | UNDERWRITERS' LABORATORY |
| GR | GRADE/GROUND/GROUT/GRANITE | UNO | UNLESS NOTED OTHERWISE |
| GS | GLASS SURFACE | UNFIN | UNFINISHED |
| GWB | GYP | UR | URNAL |
| GYP | GYP | V&P | VALANCE & PANEL |
| H | HIGH | VAT | VINYL ASBESTOS TILE |
| HB | HOSE BIB | VB | VAPOR BARRIER |
| HC | HOLLOW CORE | VERT | VERTICAL |
| HDW | HARDWARE | VEST | VESTIBULE |
| HK | HOUSEKEEPING | VF | VERIFY IN FIELD |
| HM | HOLLOW METAL | VIN | VINYL |
| HOR | HORIZONTAL | VOL | VOLUME |
| HR | HOUR | VTR | VENT THROUGH ROOF |
| HT | HEIGHT | VCP | VINYL COATED CEILING PANEL |
| HVAC | HEATING, VENTILATION AND AIR CONDITIONING | W | WEST/WIDE/WIDTH |
| HVACC | HVAC CONTRACTOR | W | WITH |
| ID | INSIDE DIAMETER | WB | WOOD BASE |
| I | INERT ELEVATION | WC | WATER CLOSET/WALLCOVERING |
| IN | INCH(ES) | WD | WOOD/WOOD FLOORING |
| INCL | INCLUDE | WDM | WOOD MILLWORK |
| INFO | INFORMATION | WDP | WOOD WALL PANELING |
| INS | INSULATED | WDW | WINDOW |
| INSUL | INSULATED | WF | WIDE FLANGE |
| INT | INTERIOR | WH | WALL HUNG |
| JAN | JANITOR | WIO | WITHOUT |
| JB | JUNCTION BOX | WP | WATERPROOF/WORKING POINT |
| JC | JANITOR'S CLOSET | WR | WATER RESISTANT |
| JT | JOINT | WT | WEIGHT/WINDOW TREATMENT |
| LAM | LAMINATED | WWF | WELDED WIRE FABRIC |
| LAV | LAVATORY | YD | YARD |
| LB | POUND | | |
| LBS | POUNDS | | |
| LH | LEFT HAND | | |
| LIN | LINEAR | | |
| LINO | LINOLEUM | | |
| LLV | LONG LEG VERTICAL | | |
| LT | LIGHT | | |
| LS | LIMESTONE | | |

DRAWING SYMBOLS



MATERIAL SYMBOLS



UIHLEIN | WILSON
RAMLOW | STEIN
ARCHITECTURE | DESIGN | PLANNING

322 East Michigan Street
Milwaukee, WI 53202

414.271.8899
office@uihlein-wilson.com
www.uihlein-wilson.com

© UIHLEIN/WILSON - RAMLOW/STEIN ARCHITECTS, INC. ALL RIGHTS RESERVED.
OWNERSHIP OF DOCUMENTS
This document, and the ideas and designs incorporated herein, is an instrument of professional service, is the sole property of Uihlein Wilson Ramlow Stein Architects, Inc. and is not to be used in whole or in part for any other project or purpose without the express written authorization of Uihlein Wilson Ramlow Stein Architects, Inc.

REVISIONS
No. Date Description:

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

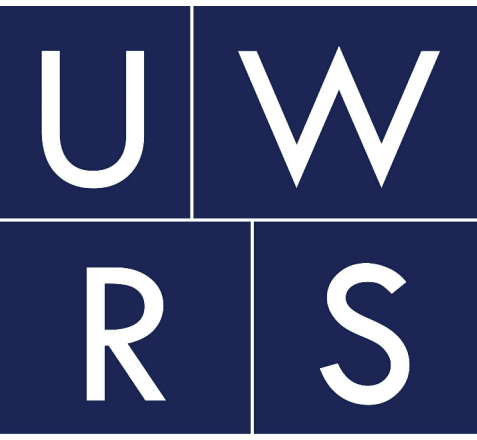
SHEET
CODE
INFORMATION,
ABBREVIATIONS
& SYMBOLS

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

G001



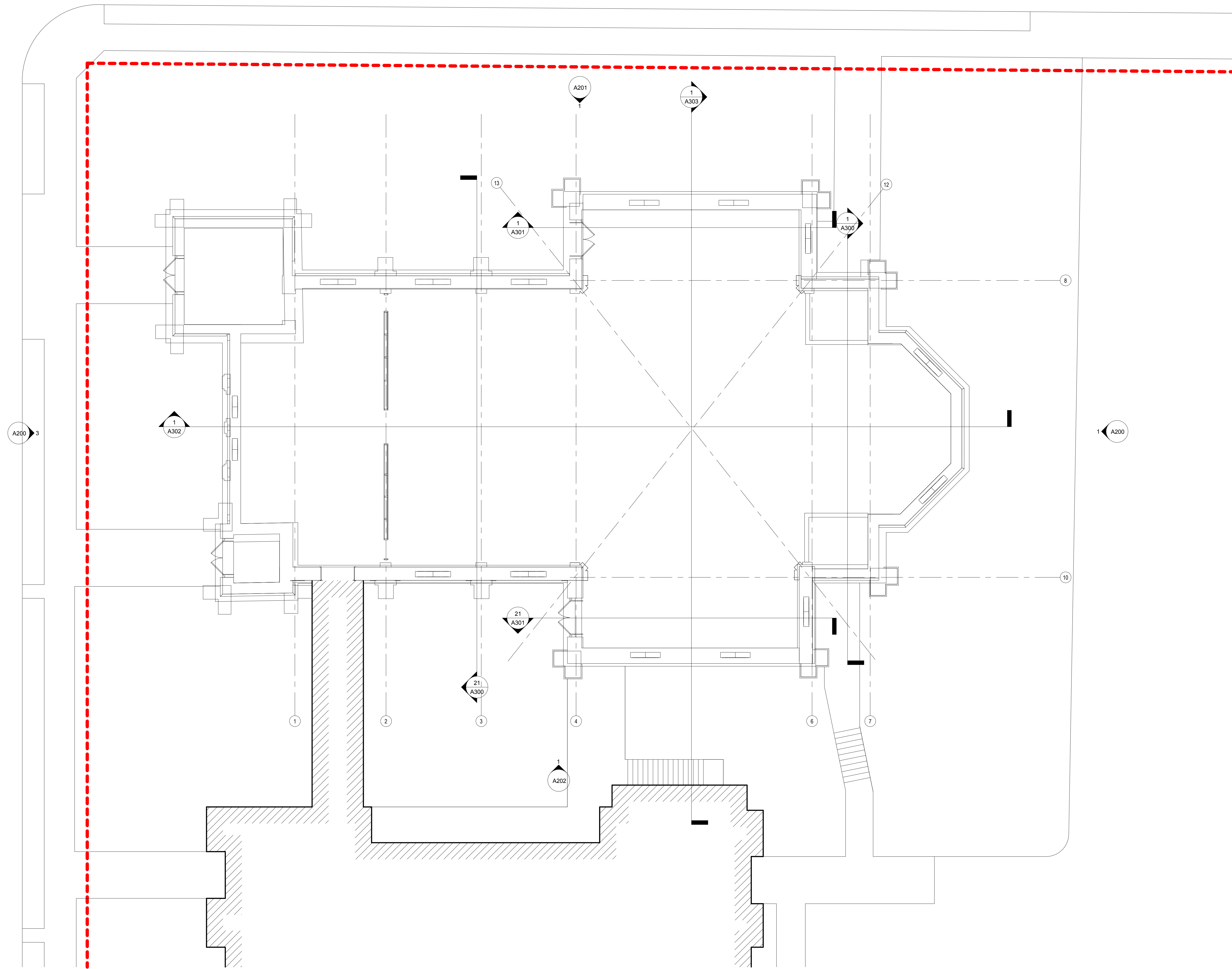
UIHLEIN | WILSON
RAMLOW | STEIN
ARCHITECTURE | DESIGN | PLANNING

322 East Michigan Street
Milwaukee, WI 53202

414.271.8899
office@uihlein-wilson.com
www.uihlein-wilson.com

© UIHLEIN/WILSON - RAMLOW/STEIN
ARCHITECTS, INC.
ALL RIGHTS RESERVED
OWNERSHIP OF DOCUMENTS
This document, and the ideas and designs incorporated herein,
is an instrument of professional service, is the sole property of
Uihlein Wilson Ramlow Stein Architects, Inc. and is not to
be used in whole or in part for any other project or purpose
without the express written authorization of Uihlein Wilson
Ramlow Stein Architects, Inc.

REVISIONS
No. Date Description



1 FIRST FLOOR - EXISTING
A101 SCALE: 1/8" = 1'-0"

C:\Revit Local Files\18-122 Trinity Lutheran - 2018\18-122 Trinity Lutheran v2018 - Tanner.rvt

11/7/2018 10:06:43 AM

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

SHEET
FIRST FLOOR
PLAN

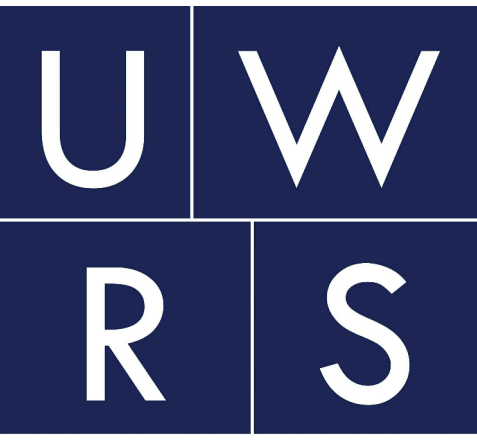
DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

A101





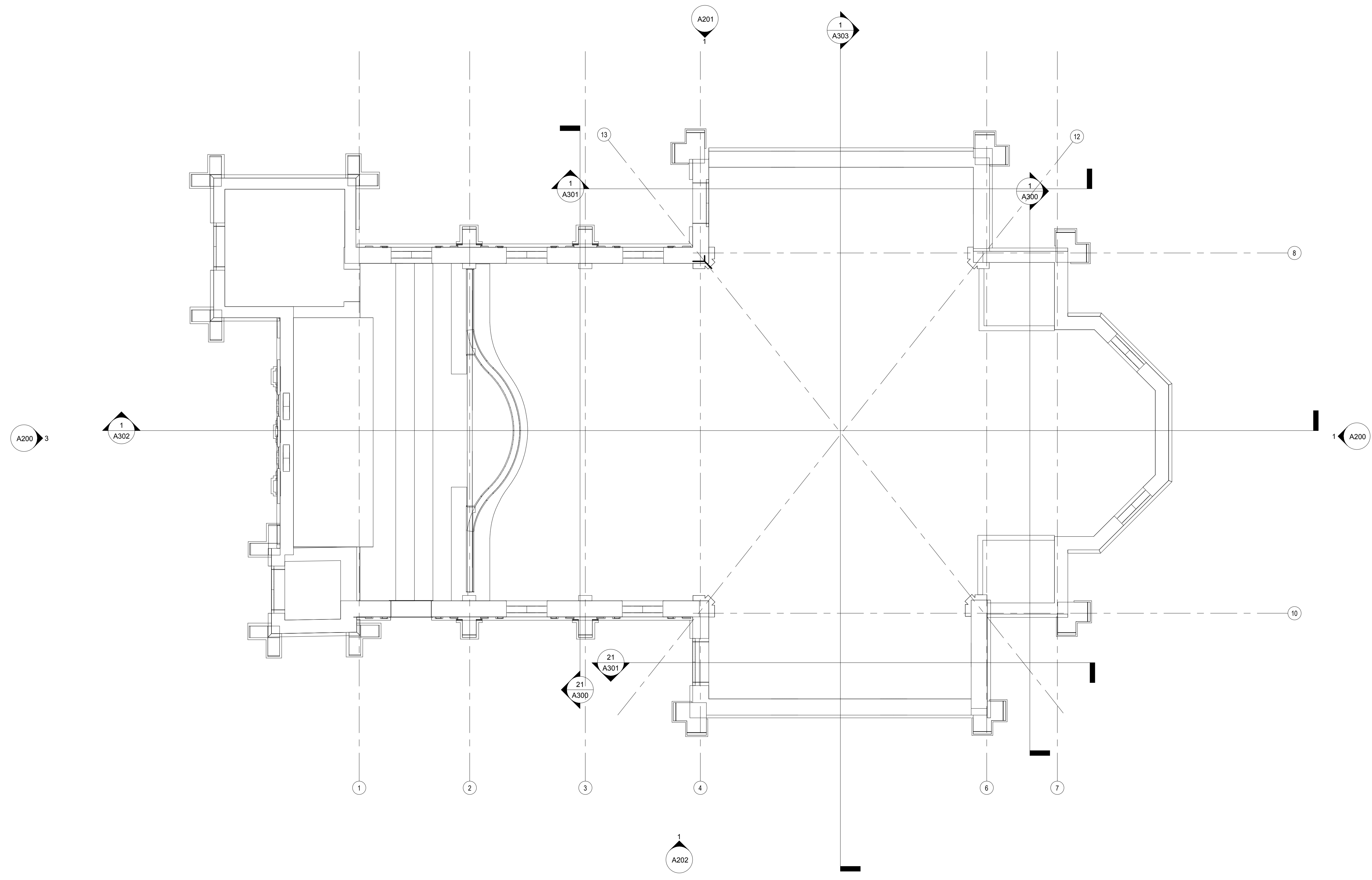
UIHLEIN | WILSON
RAMLOW | STEIN
ARCHITECTURE | DESIGN | PLANNING

322 East Michigan Street
Milwaukee, WI 53202

414.271.8899
office@uihlein-wilson.com
www.uihlein-wilson.com

© UIHLEIN/WILSON - RAMLOW/STEIN ARCHITECTS, INC. ALL RIGHTS RESERVED
OWNERSHIP OF DOCUMENTS
This document, and the ideas and designs incorporated herein, is an instrument of professional service, is the sole property of Uihlein Wilson - Ramlow/Stein Architects, Inc. and is not to be used in whole or in part for any other project or purpose without the express written authorization of Uihlein Wilson - Ramlow/Stein Architects, Inc.

| REVISIONS | | |
|-----------|------|-------------|
| No. | Date | Description |
| | | |



1 SECOND FLOOR - EXISTING
A102 SCALE: 1/8" = 1'-0"

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

SHEET
SECOND
FLOOR PLAN

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

A102

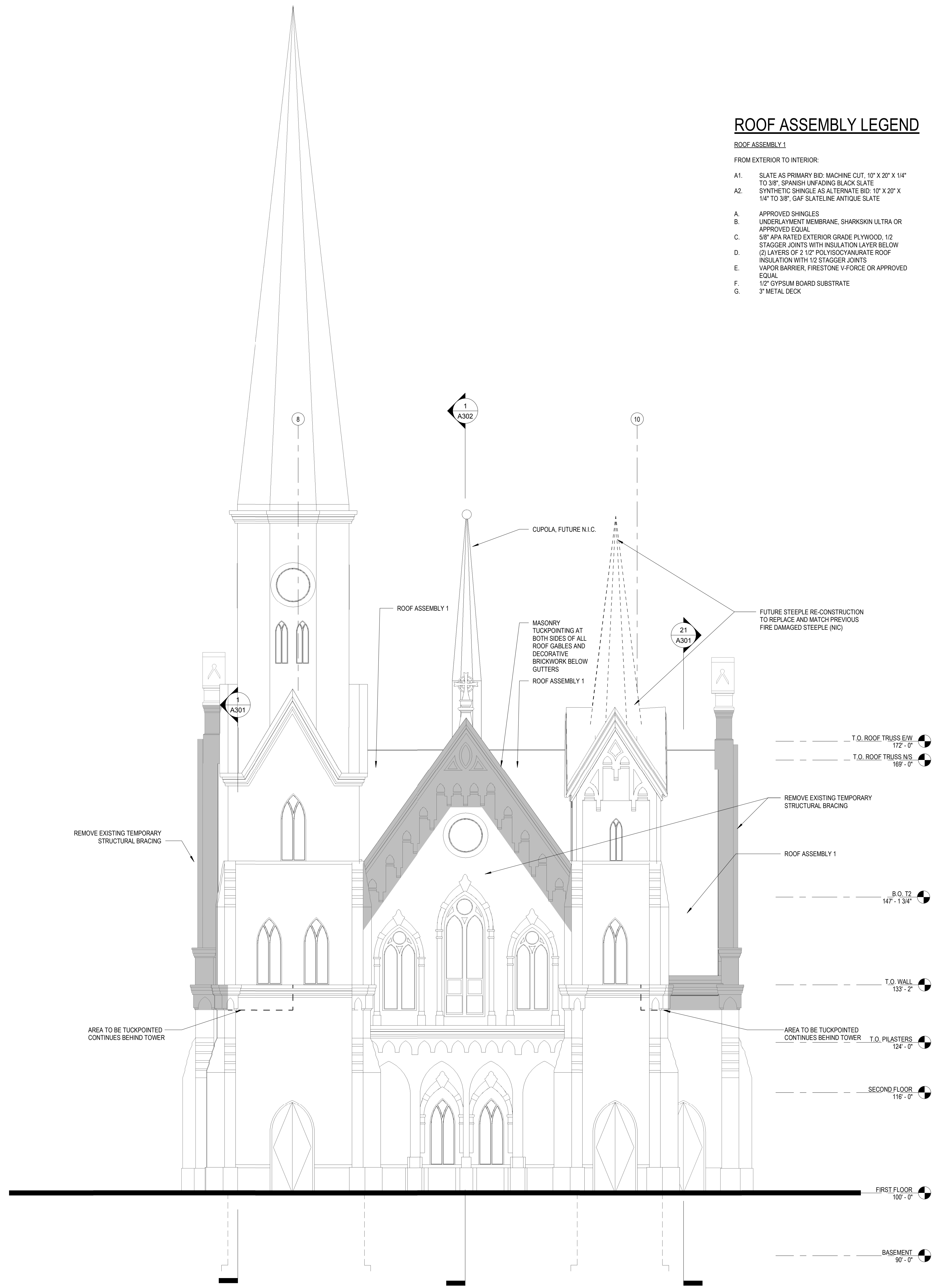


ROOF ASSEMBLY LEGEND

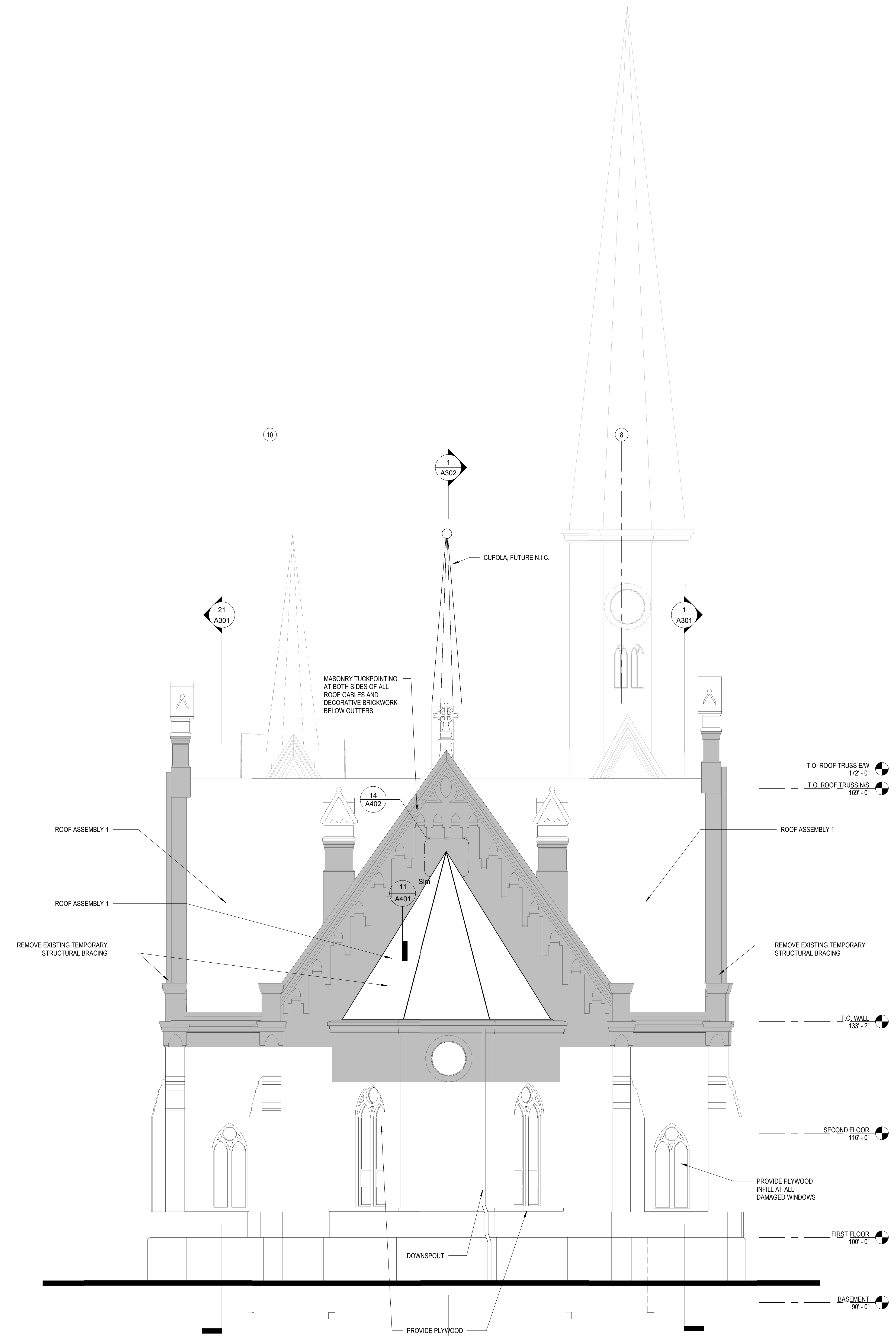
ROOF ASSEMBLY 1

FROM EXTERIOR TO INTERIOR:

- A1. SLATE AS PRIMARY BID: MACHINE CUT, 10" X 20" X 1/4" TO 3/8"; SPANISH UNFADING BLACK SLATE
- A2. SYNTHETIC SHINGLE AS ALTERNATE BID: 10" X 20" X 1/4" TO 3/8"; GAF SLATELINE ANTIQUE SLATE
- A. APPROVED SHINGLES
- B. UNDERLAYMENT MEMBRANE, SHARKSKIN ULTRA OR APPROVED EQUAL
- C. 5/8" APA RATED EXTERIOR GRADE PLYWOOD, 1/2" STAGGER JOINTS WITH INSULATION LAYER BELOW
- D. (2) LAYERS OF 2 1/2" POLYISOCYANURATE ROOF INSULATION WITH 1/2" STAGGER JOINTS
- E. VAPOR BARRIER, FIRESTONE V-FORCE OR APPROVED EQUAL
- F. 1/2" GYPSUM BOARD SUBSTRATE
- G. 3" METAL DECK



3
A200 ELEVATION - EXISTING - WEST
SCALE: 1/8" = 1'-0"



1
A200 ELEVATION - EXISTING - EAST
SCALE: 1/8" = 1'-0"

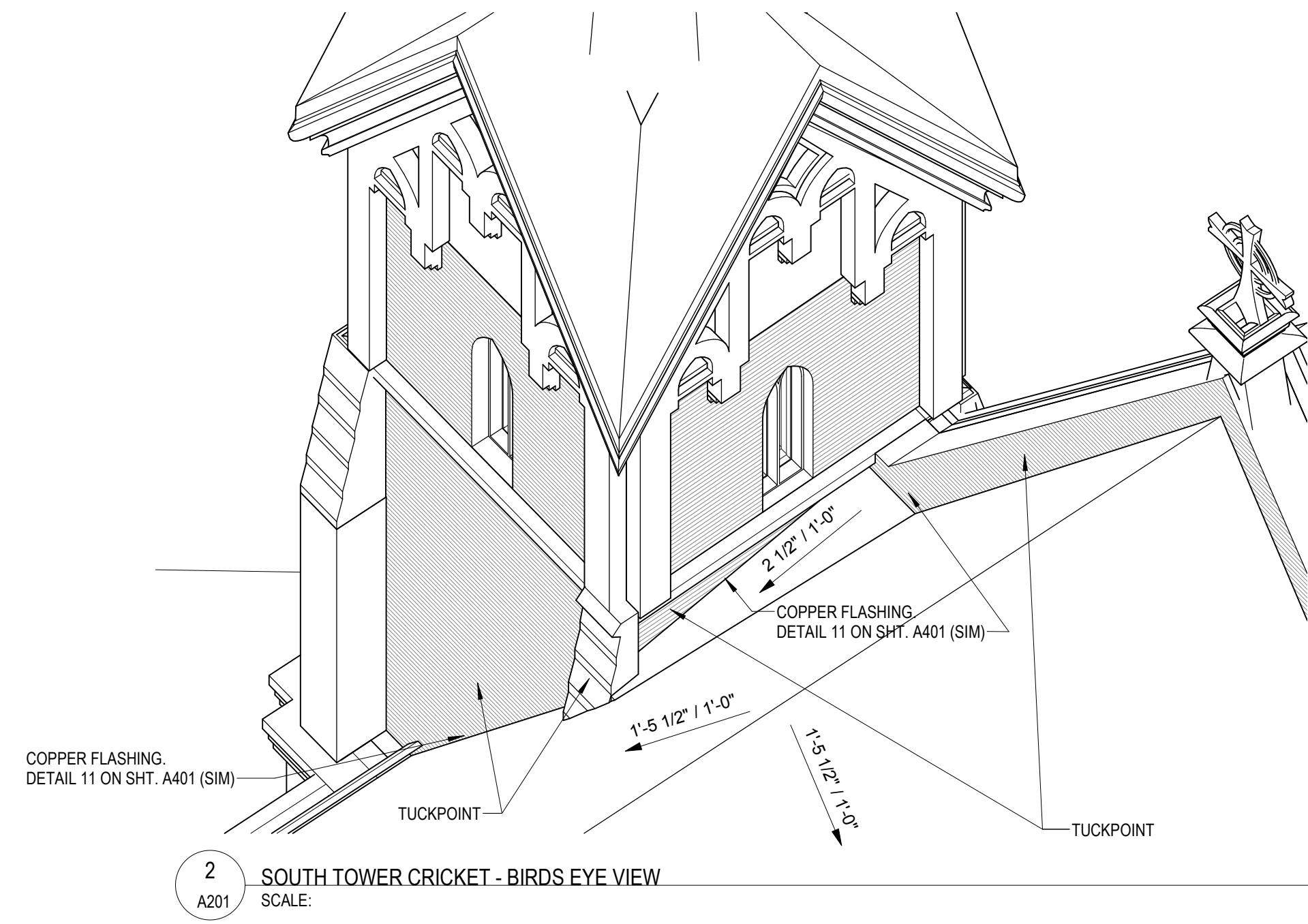
| REVISIONS | | |
|-----------|------------|-------------|
| No. | Date | Description |
| 1 | 10/11/2018 | Addendum 1 |
| 2 | 10/30/2018 | Addendum 2 |

ROOF ASSEMBLY LEGEND

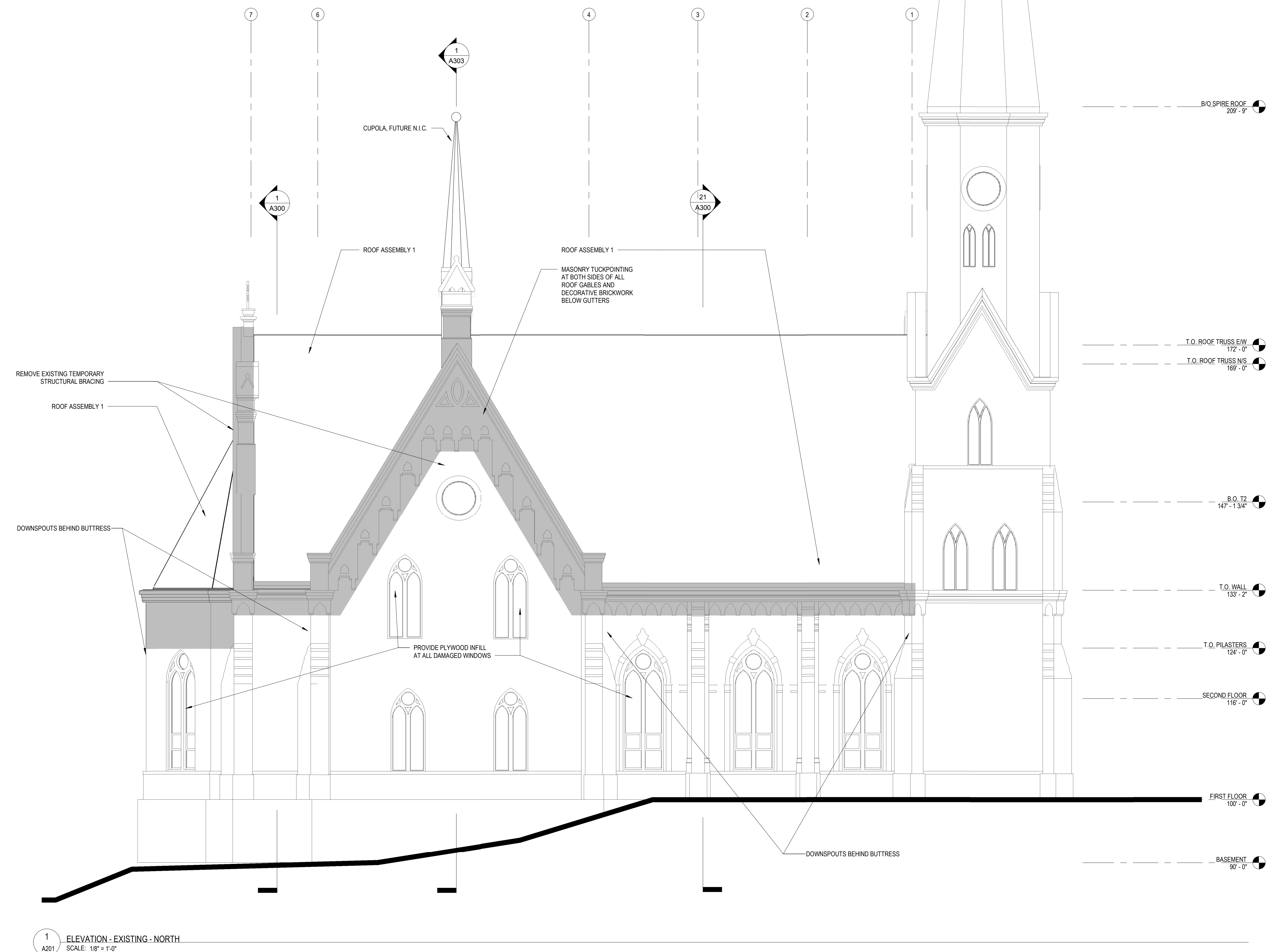
ROOF ASSEMBLY 1

FROM EXTERIOR TO INTERIOR:

- A1. SLATE AS PRIMARY BID; MACHINE CUT, 10" X 20" X 1/4" TO 3/8" SPANISH UNFADING BLACK SLATE
- A2. SYNTHETIC SHINGLE AS ALTERNATE BID; 10" X 20" X 1/4" TO 3/8" GAF SLATELINE ANTIQUE SLATE
- A. APPROVED SHINGLES
- B. UNDERLAYMENT MEMBRANE, SHARKSKIN ULTRA OR APPROVED EQUAL
- C. 5/8" APA RATED EXTERIOR GRADE PLYWOOD, 1/2" STAGGER JOINTS WITH INSULATION LAYER BELOW
- D. (2) LAYERS OF 2 1/2" POLYISOCYANURATE ROOF INSULATION WITH 1/2" STAGGER JOINTS
- E. VAPOR BARRIER, FIRESTONE V-FORGE OR APPROVED EQUAL
- F. 1/2" GYPSUM BOARD SUBSTRATE
- G. 3" METAL DECK



2 SOUTH TOWER CRICKET - BIRDS EYE VIEW
SCALE:



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

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION
SHEET
BUILDING
ELEVATIONS

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

A201

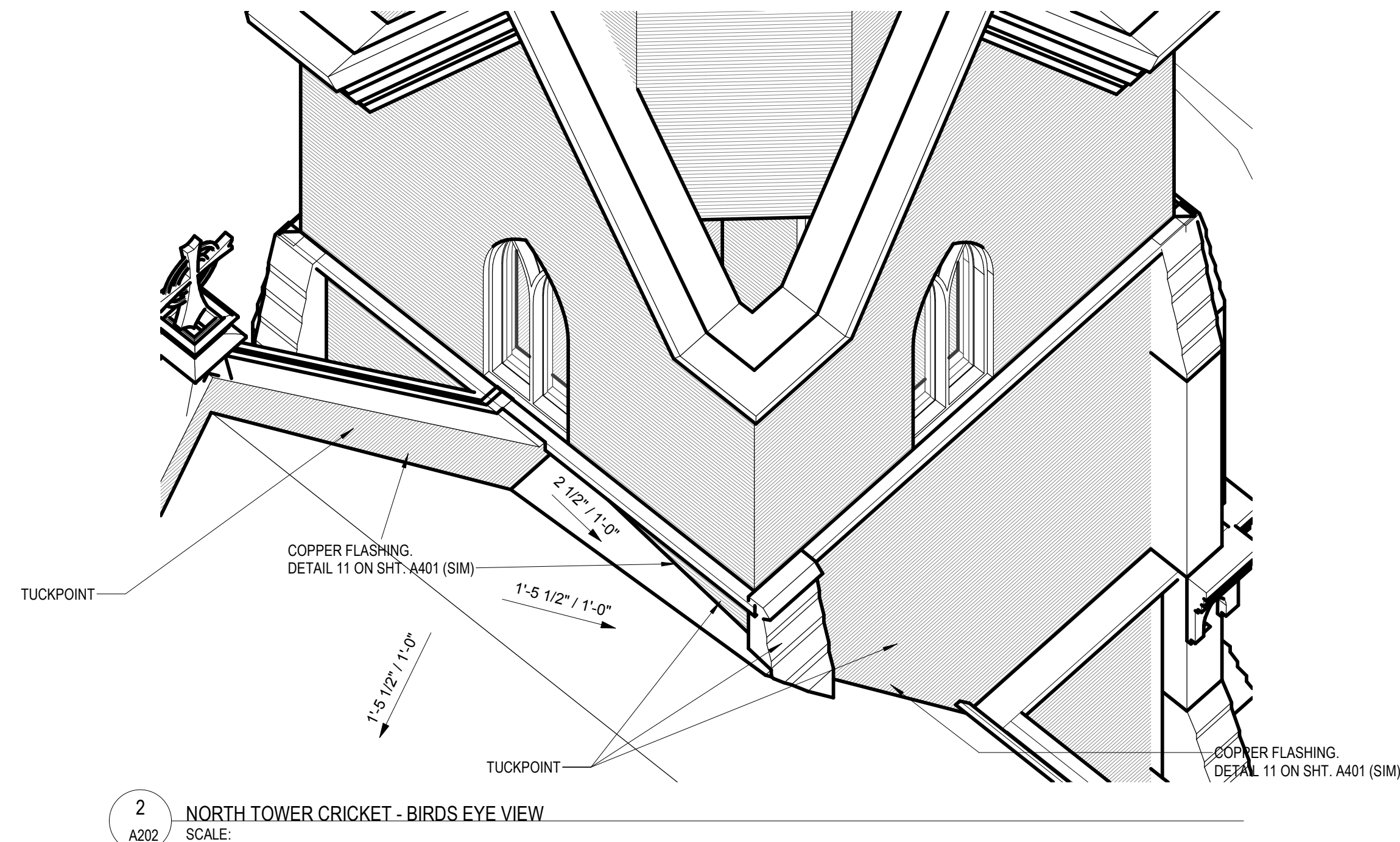
| No. | Date | Description |
|-----|------------|-------------|
| 1 | 10/11/2018 | Addendum 1 |
| 2 | 10/30/2018 | Addendum 2 |

ROOF ASSEMBLY LEGEND

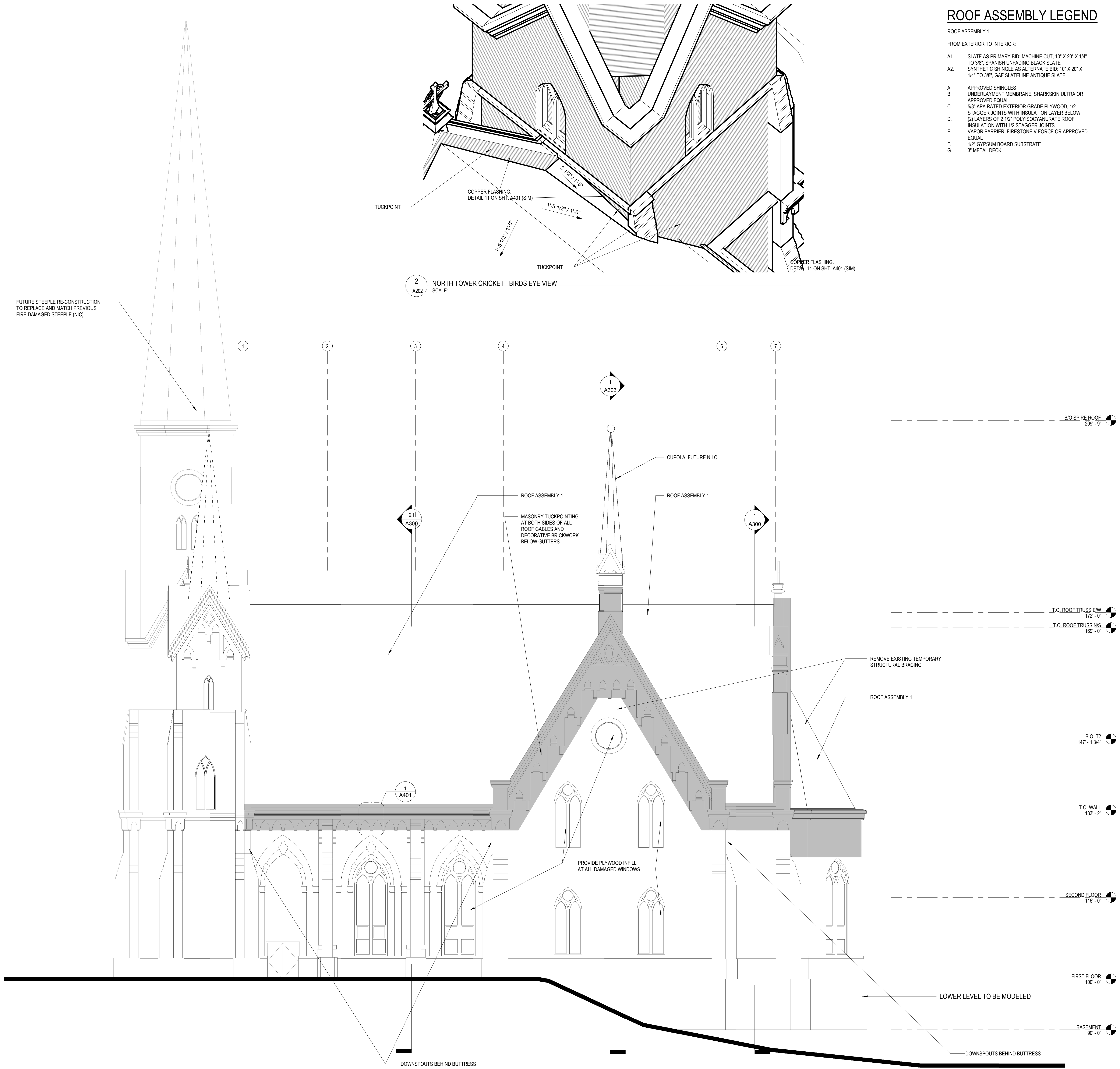
ROOF ASSEMBLY 1

FROM EXTERIOR TO INTERIOR:

- A1. SLATE AS PRIMARY BID, MACHINE CUT, 10" X 20" X 1/4" TO 3/8" SPANISH UNFADING BLACK SLATE
- A2. SYNTHETIC SHINGLE AS ALTERNATE BID, 10" X 20" X 1/4" TO 3/8" GAF SLATELINE ANTIQUE SLATE
- A. APPROVED SHINGLES
- B. UNDERLAYMENT MEMBRANE, SHARKSKIN ULTRA OR APPROVED EQUAL
- C. 5/8" APA RATED EXTERIOR GRADE PLYWOOD, 1/2" STAGGER JOINTS WITH INSULATION LAYER BELOW (2) LAYERS OF 2 1/2" POLYISOCYANURATE ROOF INSULATION WITH 1/2" STAGGER JOINTS
- D. VAPOR BARRIER, FIRESTONE V-FORCE OR APPROVED EQUAL
- F. 1/2" GYPSUM BOARD SUBSTRATE
- G. 3" METAL DECK



2 NORTH TOWER CRICKET - BIRDS EYE VIEW
SCALE:



1 ELEVATION - EXISTING - SOUTH
SCALE: 1/8\"/>

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

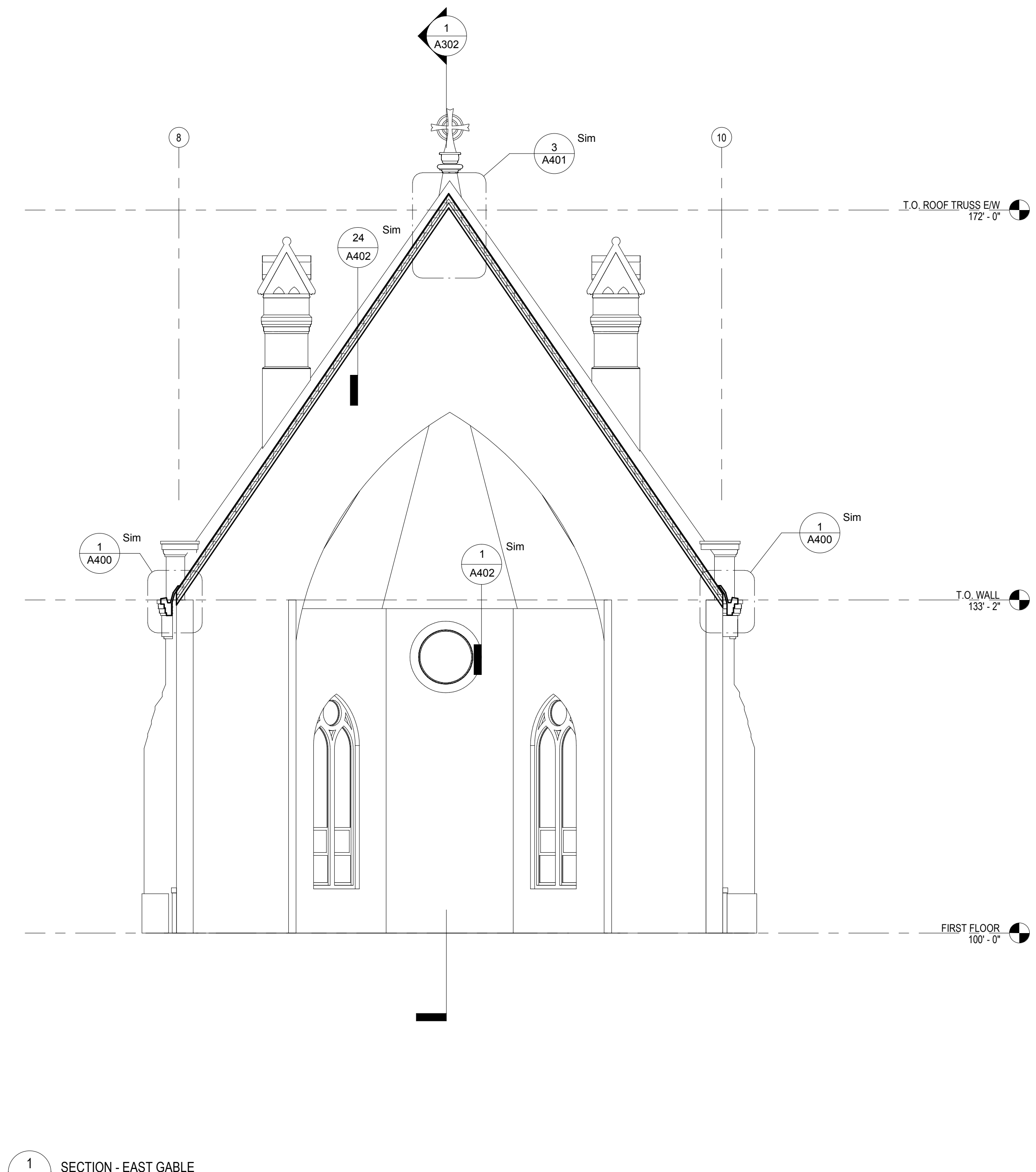
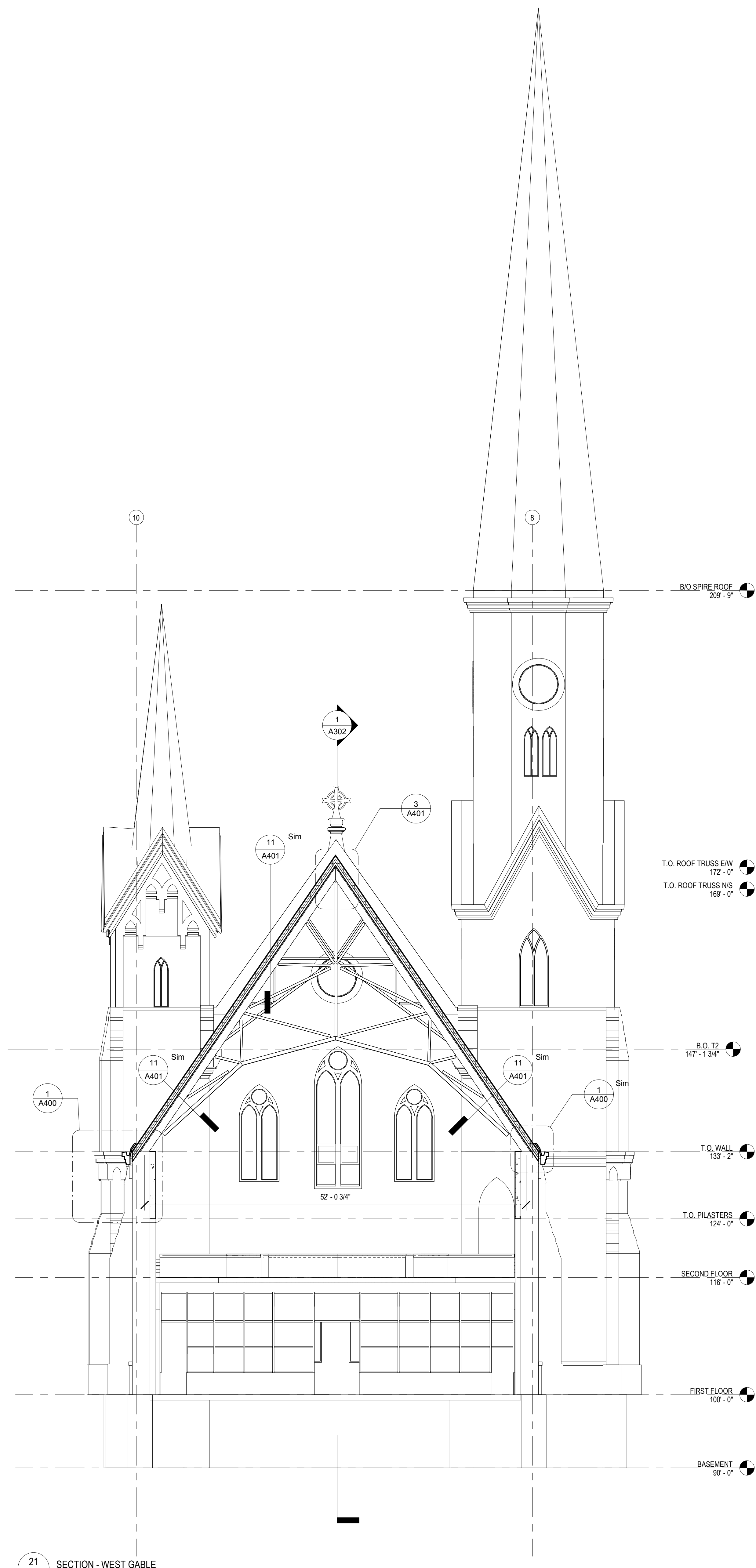
SHEET
BUILDING
ELEVATIONS

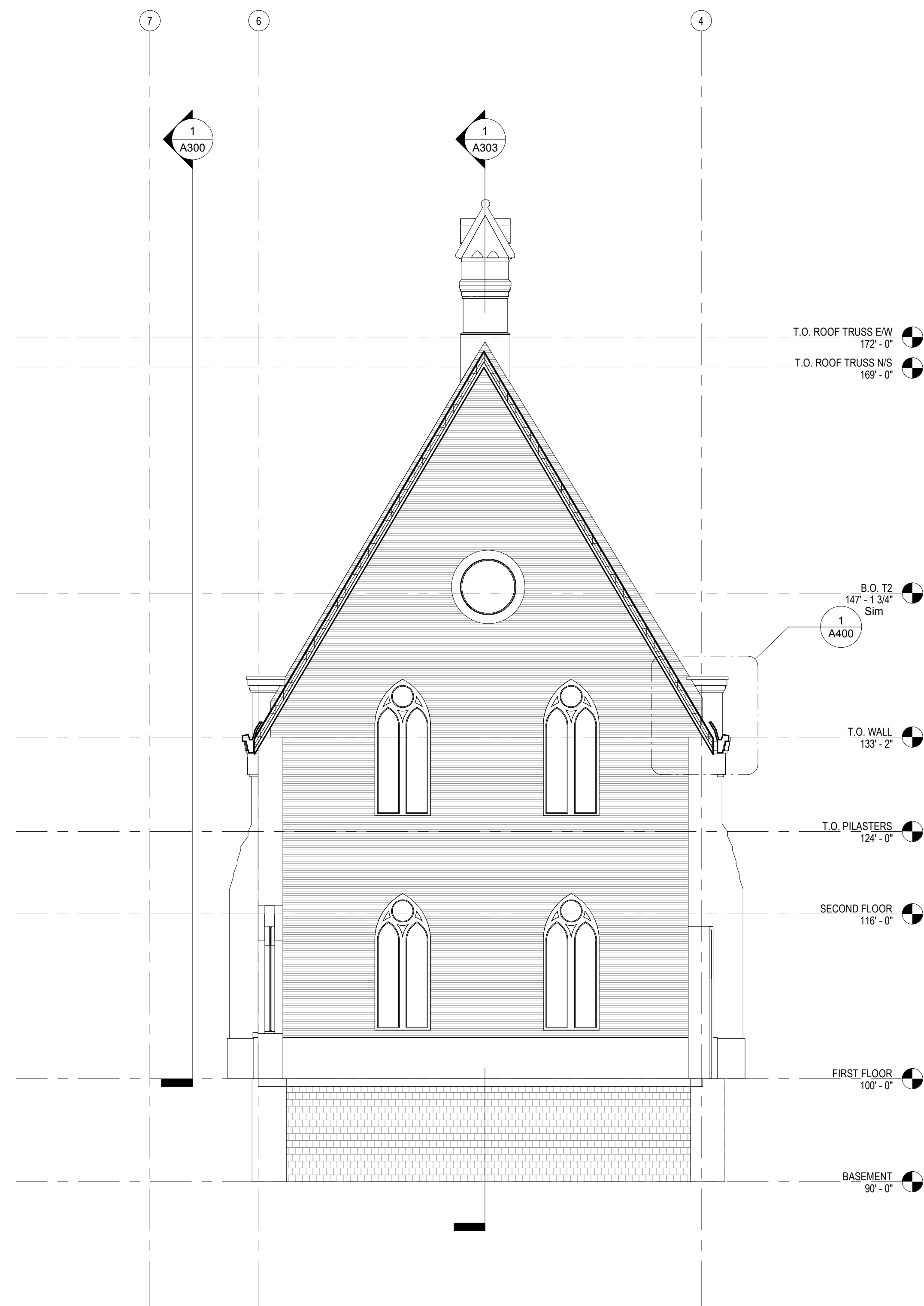
DATE
09/21/2018

PROJECT NO.
18-122

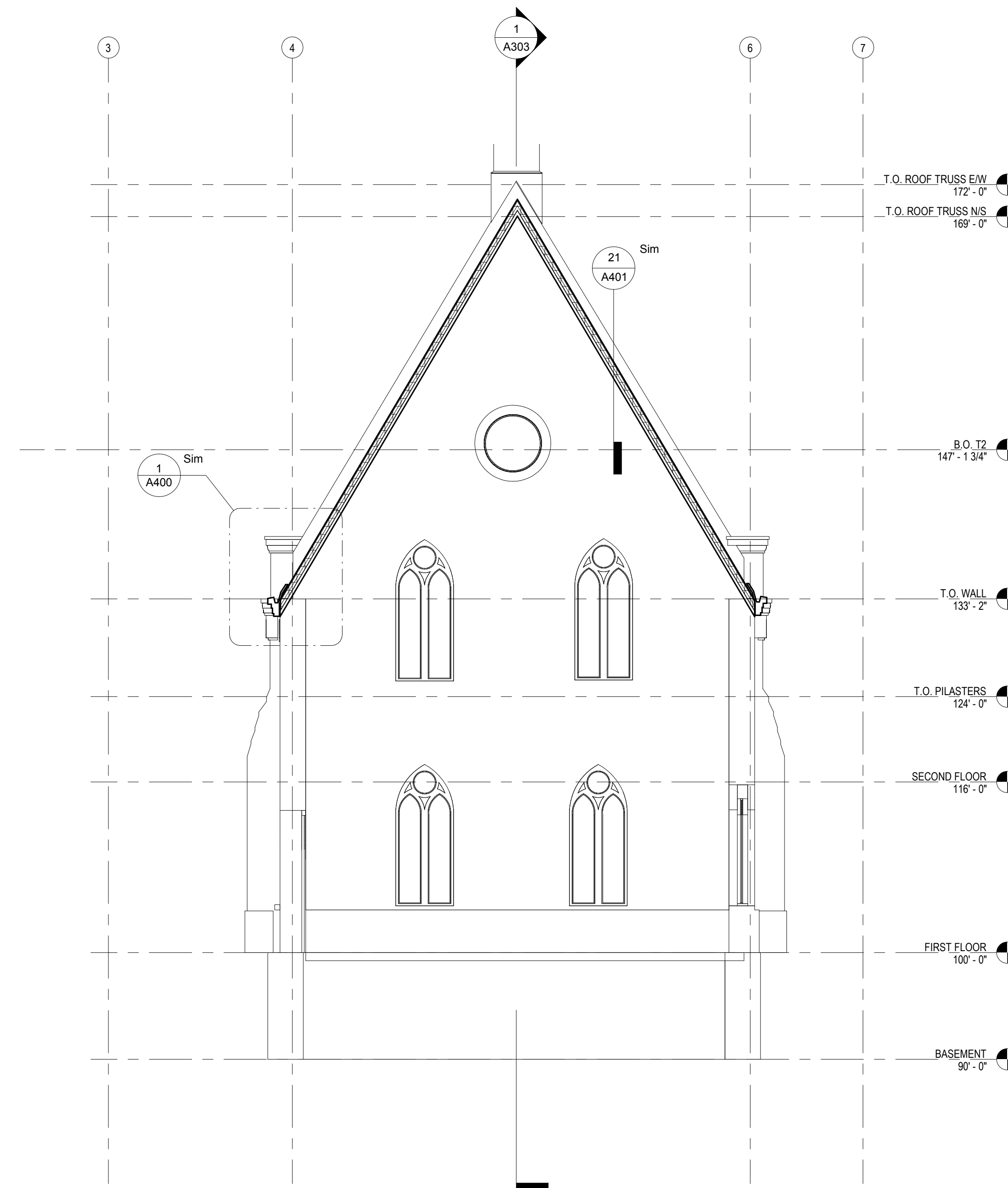
SHEET NO.

A202

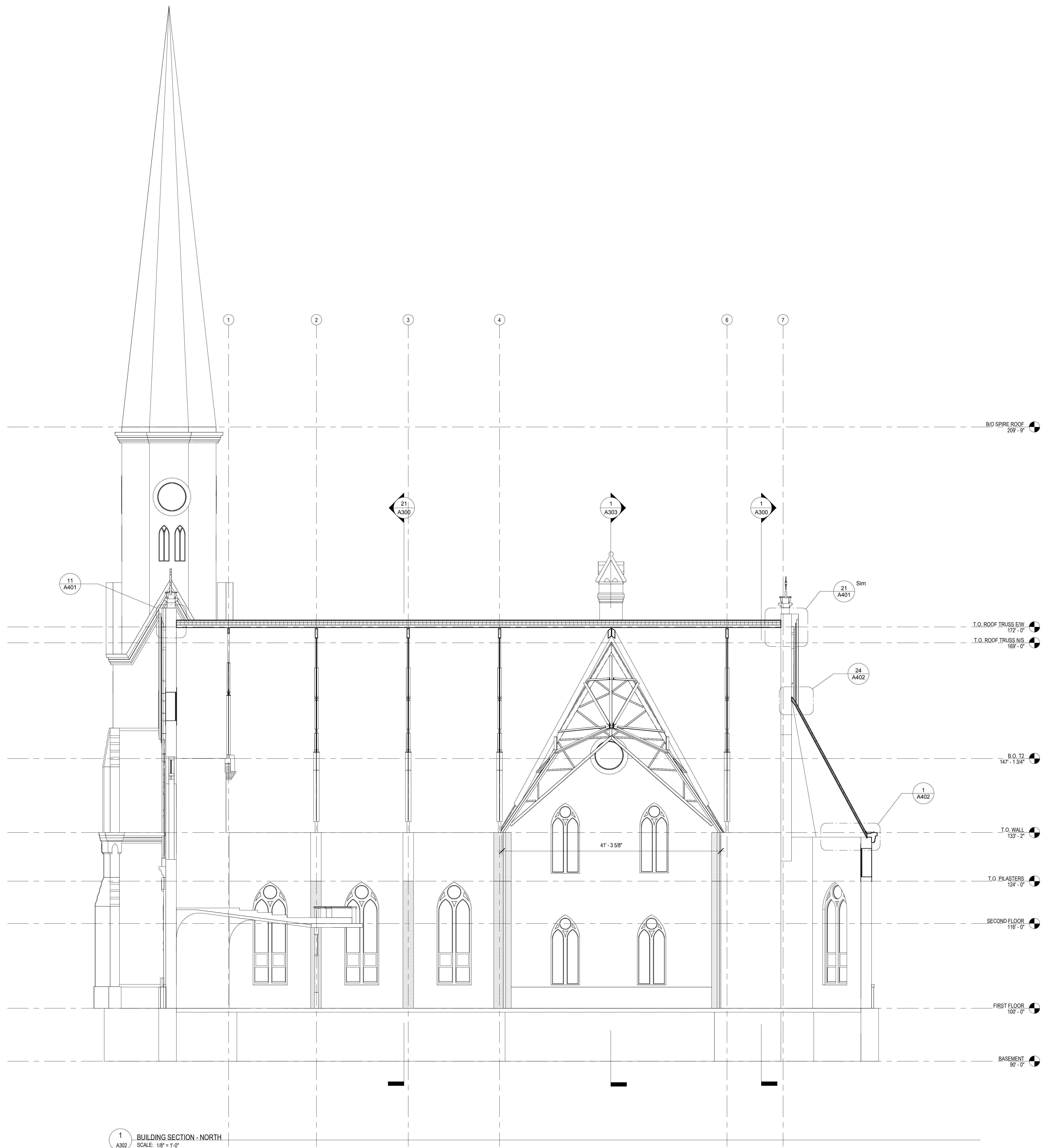




21 SECTION - SOUTH GABLE
A301 SCALE: 1/8" = 1'-0"



1 SECTION - NORTH GABLE
A301 SCALE: 1/8" = 1'-0"



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

11/7/2018 10:06:55 AM C:\Revit Local Files\18-122 Trinity Lutheran - 2018\18-122 Trinity Lutheran v2018 - Tanner.rvt

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

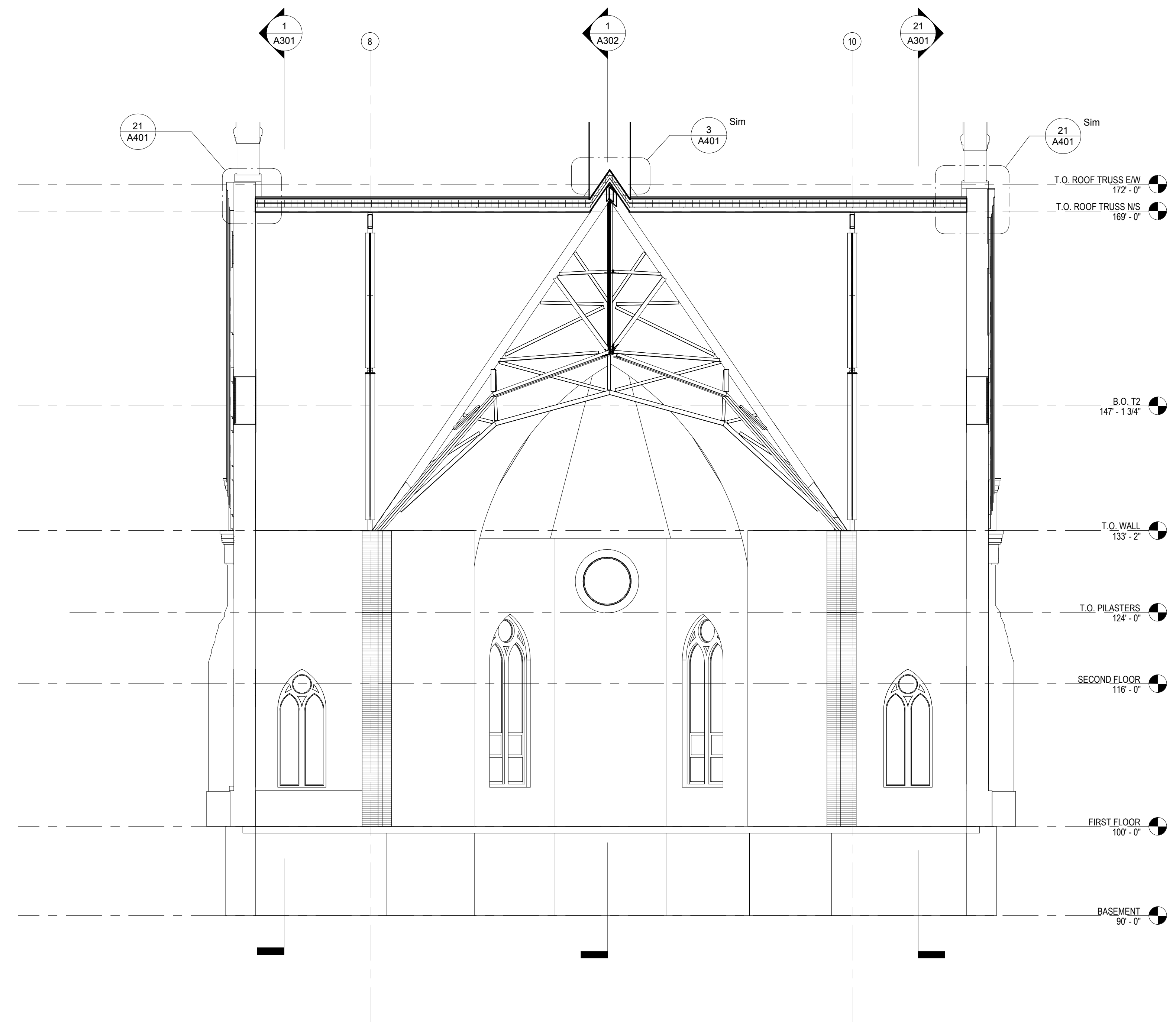
SHEET
SECTIONS

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

A302



1 BUILDING SECTION - EAST
A303 SCALE: 1/8" = 1'-0"

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

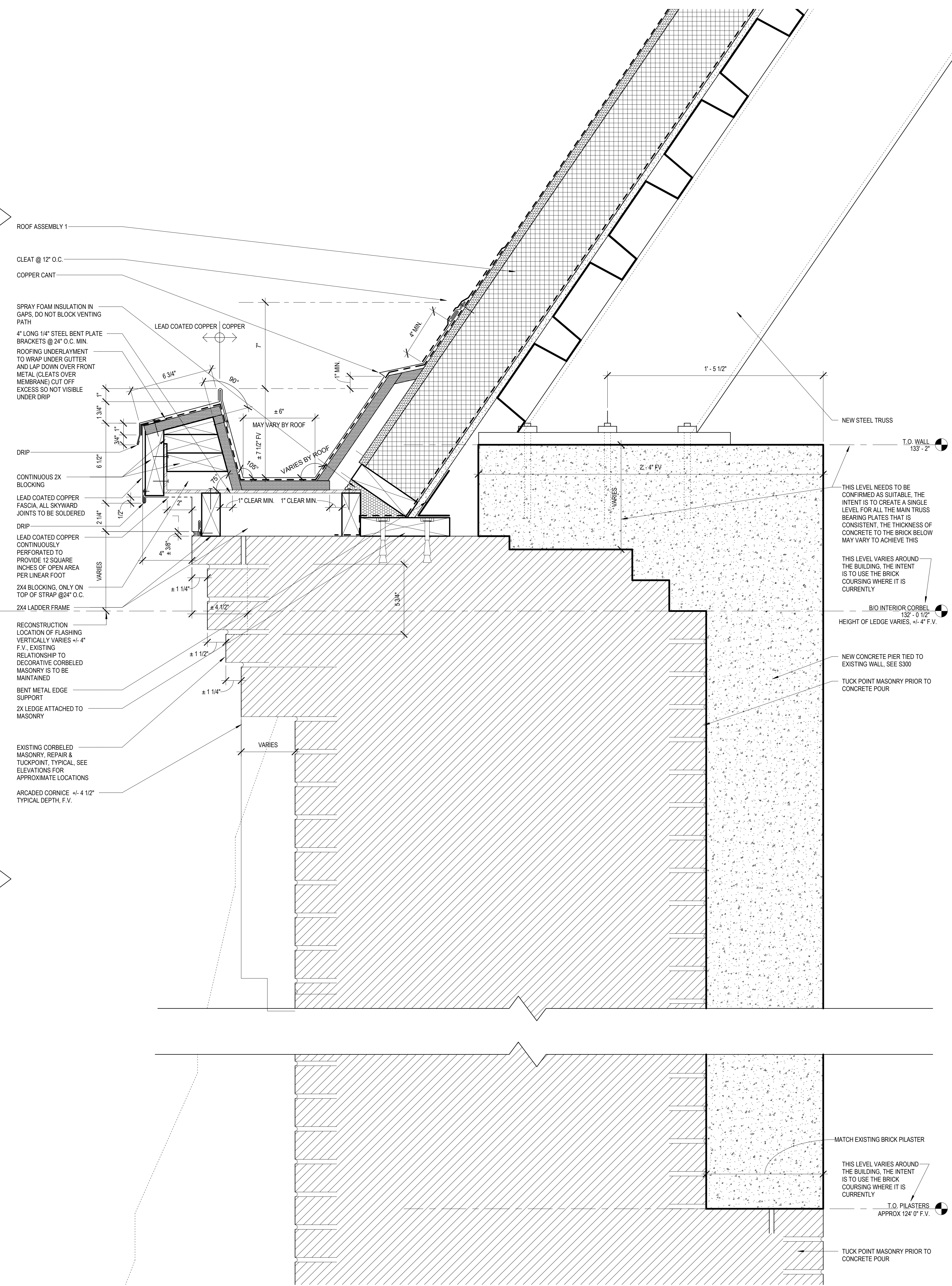
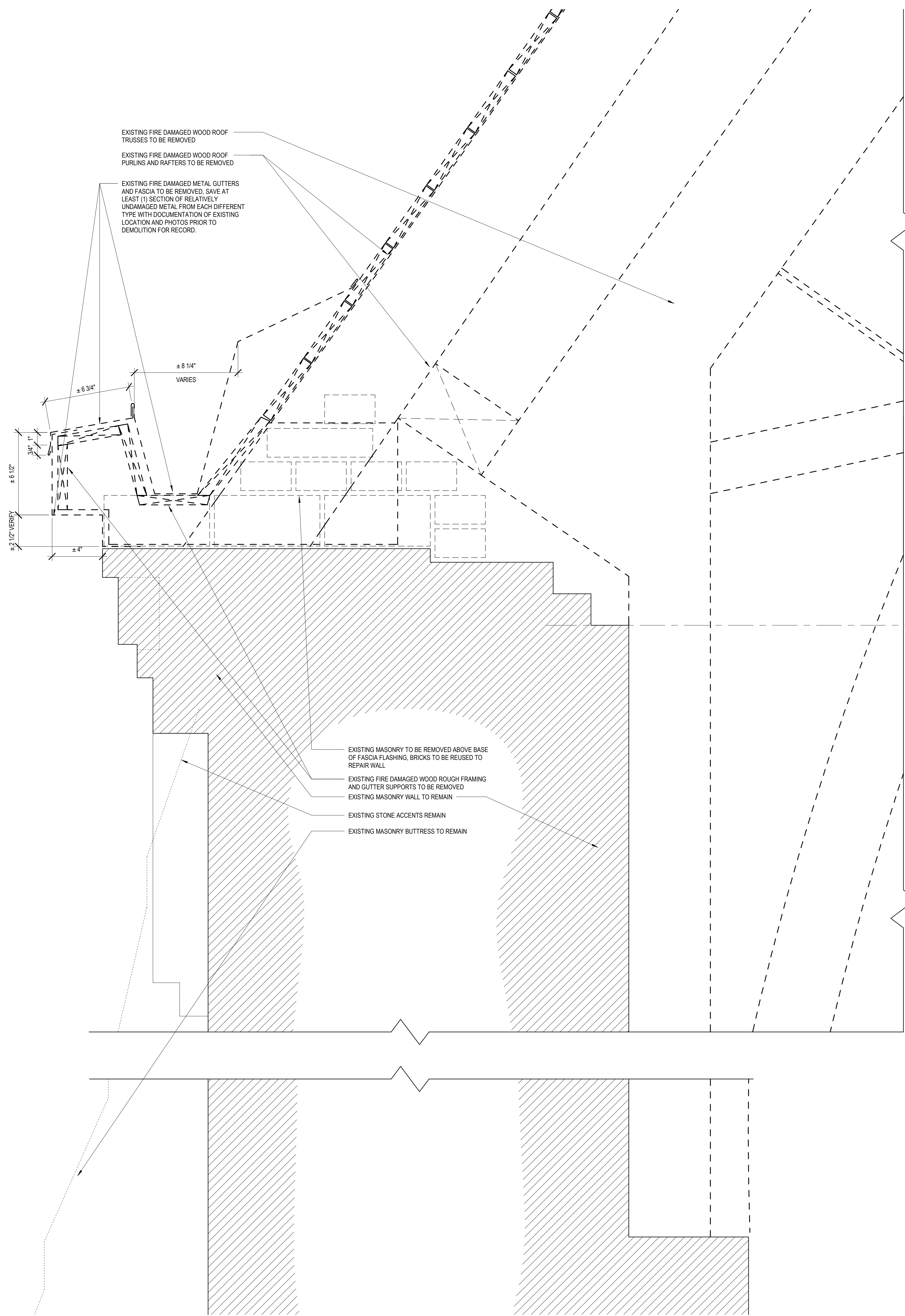
SHEET
SECTIONS

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

A303



EXISTING TOP OF WALL
SHOWS FIRE DAMAGED MEMBERS AS INTACT FOR REFERENCE

REBUILT TOP OF WALL

THIS LEVEL NEEDS TO BE CONFIRMED AS SUITABLE. THE INTENT IS TO CREATE A SINGLE LEVEL FOR ALL THE MAIN TRUSS BEARING PLATES THAT IS CONSISTENT. THE THICKNESS OF CONCRETE TO THE BRICK BELOW MAY VARY TO ACHIEVE THIS

THIS LEVEL VARIES AROUND THE BUILDING. THE INTENT IS TO USE THE BRICK COURSING WHERE IT IS CURRENTLY

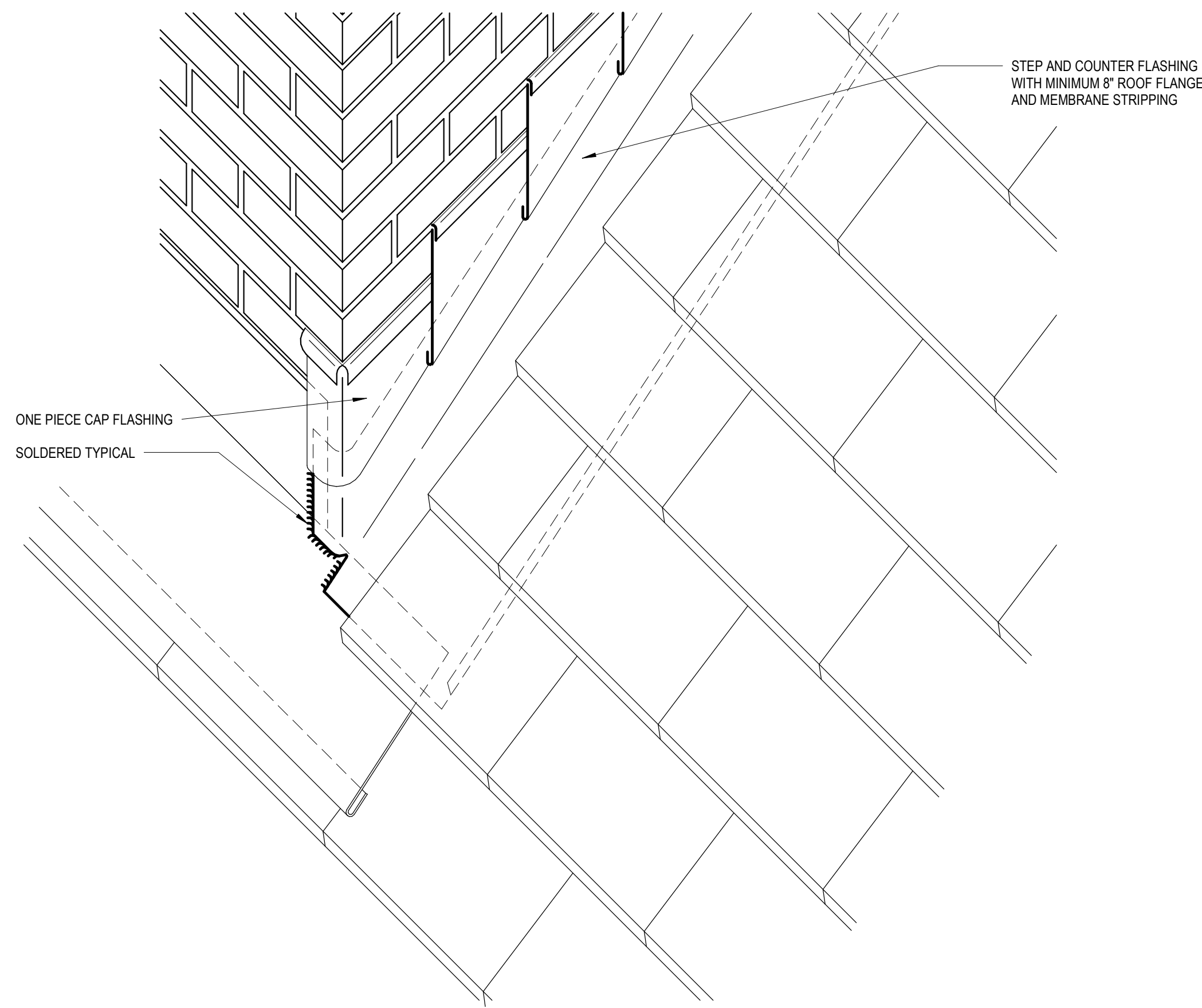
R/O INTERIOR CORBEL
132'-0 1/2\"/>
 HEIGHT OF LEDGE VARIES, +/- 4\"/>

MATCH EXISTING BRICK PILASTER

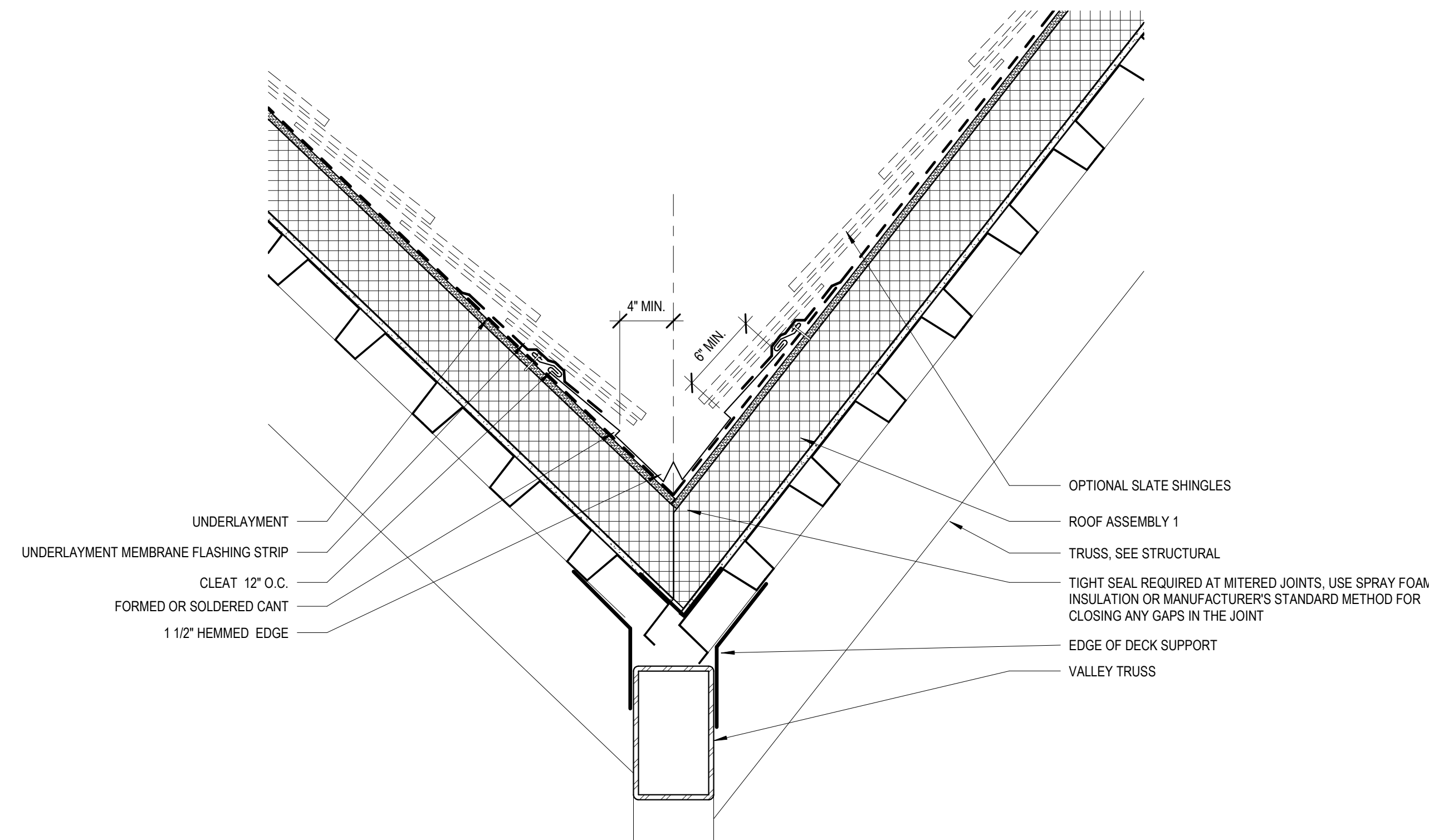
THIS LEVEL VARIES AROUND THE BUILDING. THE INTENT IS TO USE THE BRICK COURSING WHERE IT IS CURRENTLY

T.O. PILASTERS
APPROX 124' 0\"/>

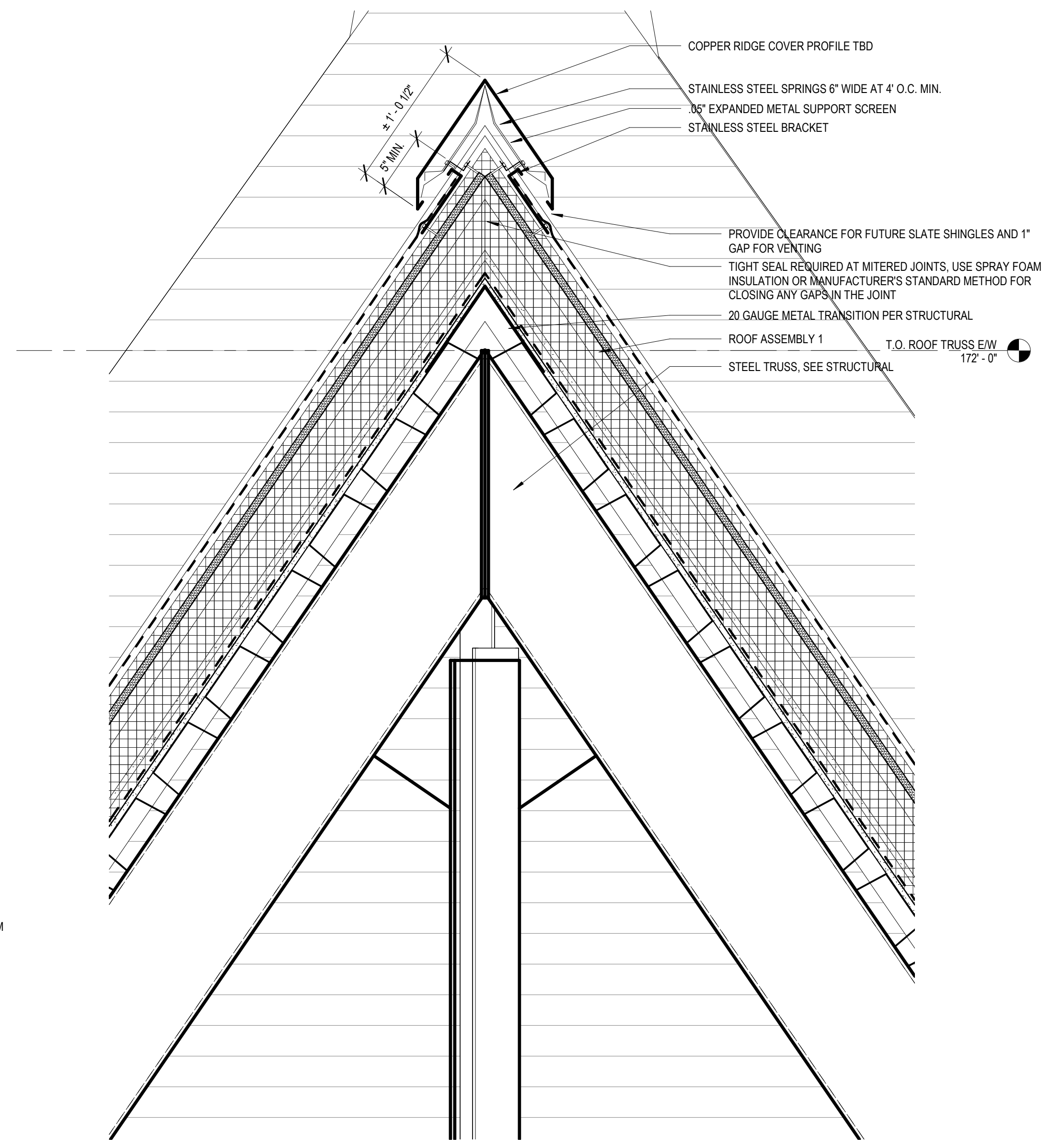
| REVISIONS | | |
|-----------|------------|-------------|
| No. | Date | Description |
| 1 | 10/11/2018 | Addendum 1 |
| 2 | 10/30/2018 | Addendum 2 |



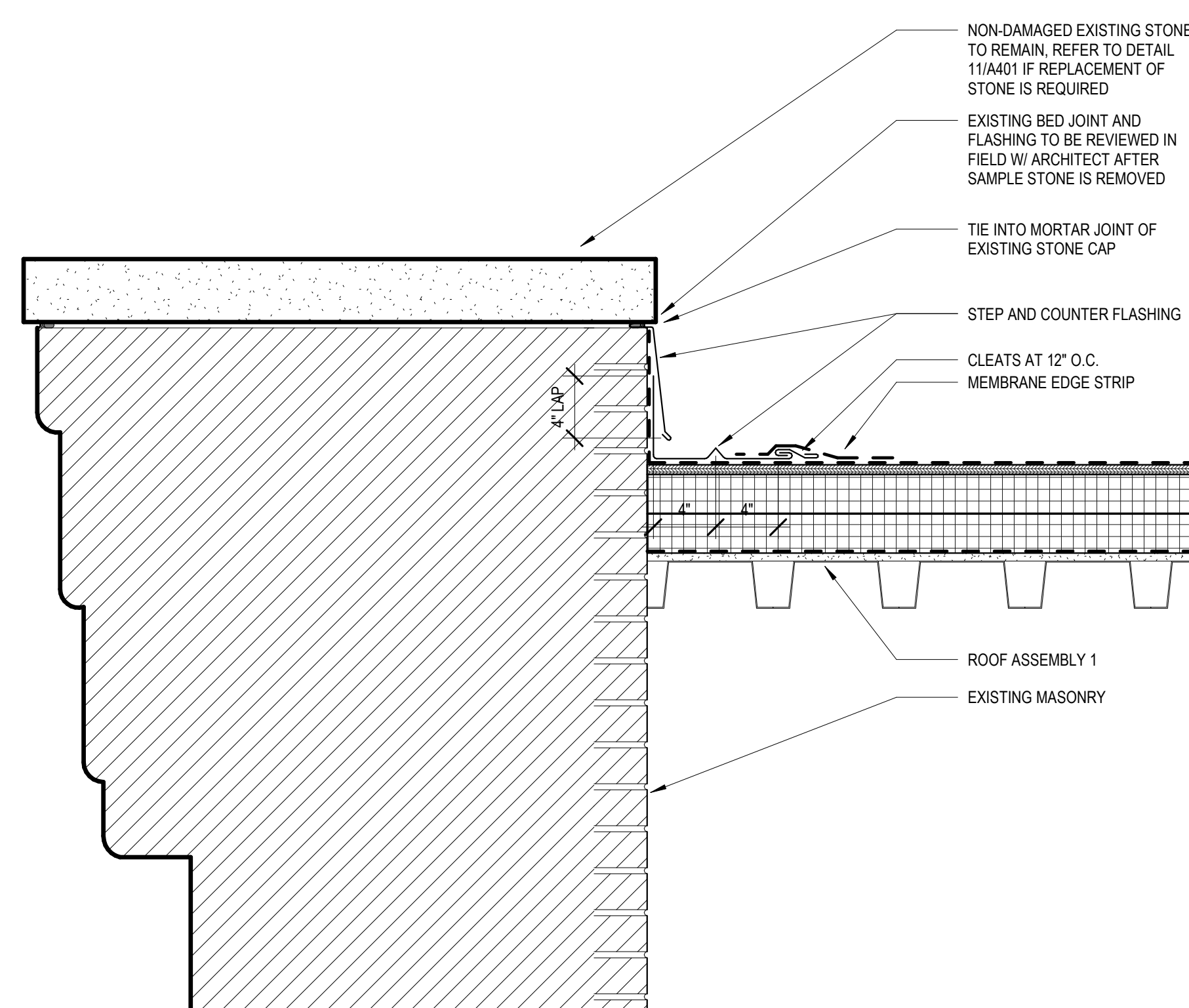
2
A401
DETAIL - FLASHING ALONG TOWER
SCALE: 1 1/2" = 1'-0"



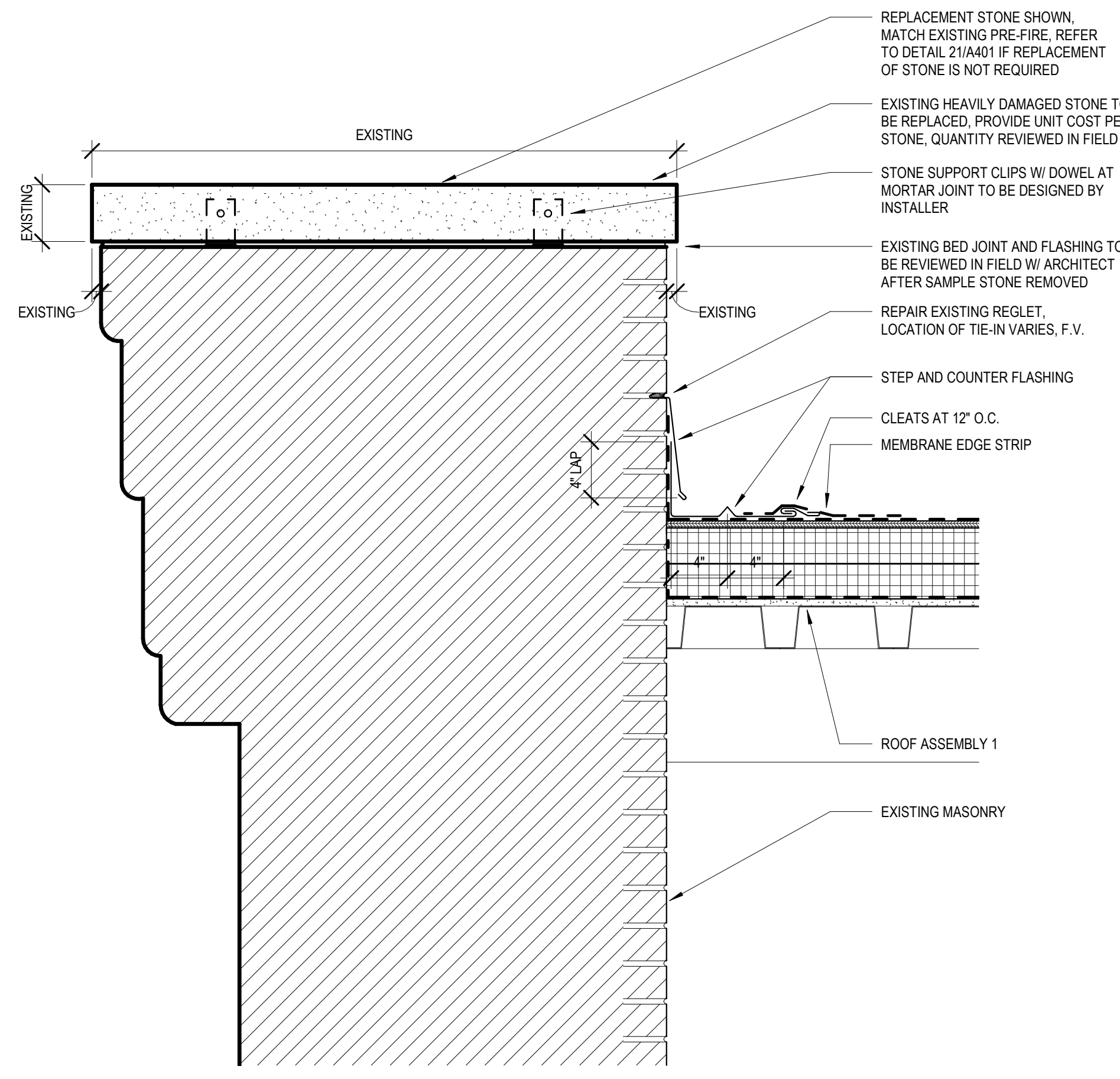
13
A401
DETAIL - ROOF VALLEY
SCALE: 1 1/2" = 1'-0"



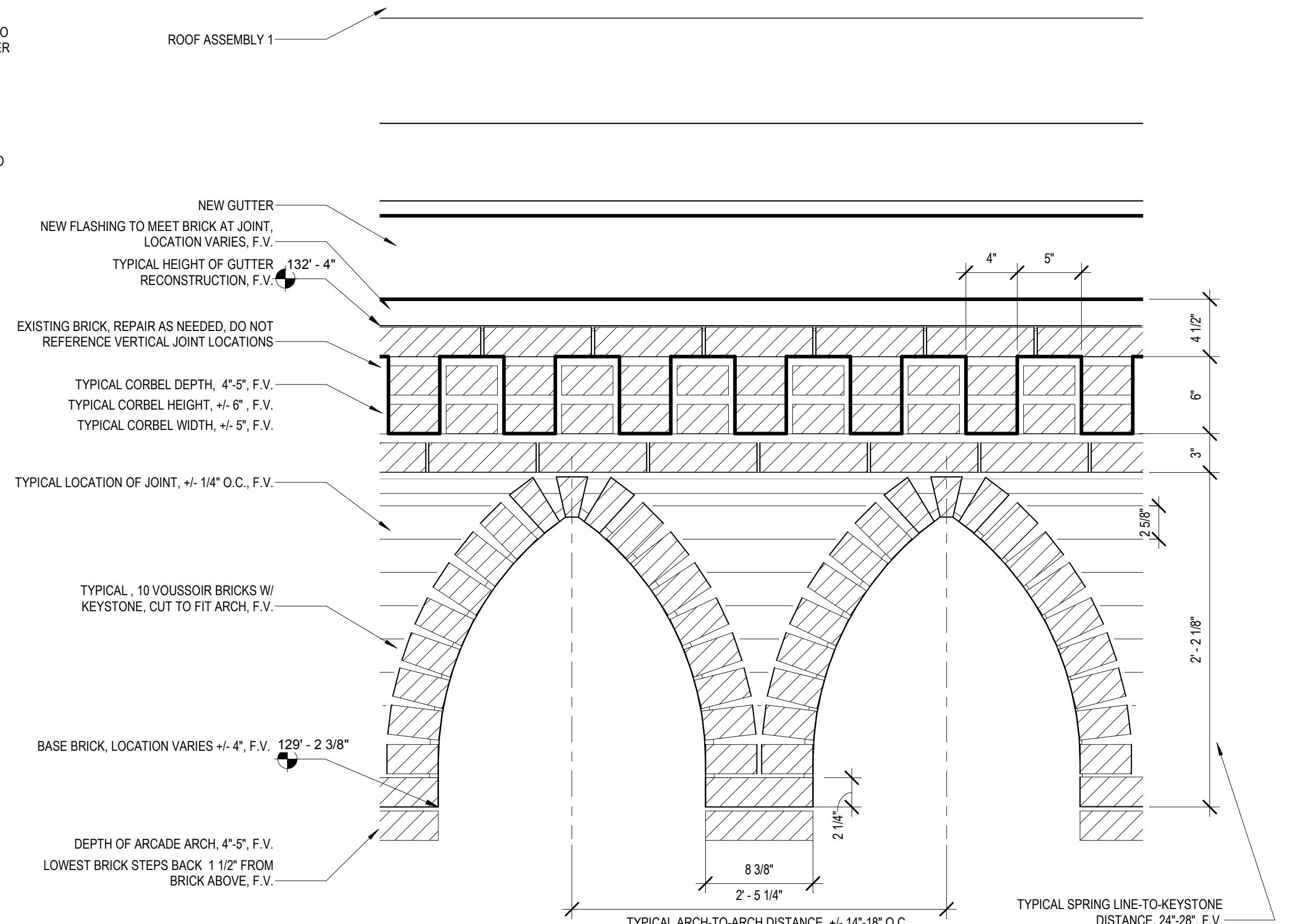
3
A401
DETAIL - RIDGE VENT
SCALE: 1 1/2" = 1'-0"



21
A401
DETAIL - ROOF CONNECTION TO GABLE - TYPICAL - NORTH, SOUTH, EAST
SCALE: 1 1/2" = 1'-0"



11
A401
DETAIL - GABLE STONE CAP TYP AND ROOF CONNECTION TO WEST GABLE
SCALE: 1 1/2" = 1'-0"



1
A401
DETAIL - ARCADE GOTHIC CORNICE
SCALE: 1 1/2" = 1'-0"

11/7/2018 10:06:57 AM C:\Revit Local Files\18-122 Trinity Lutheran - 2018\18-122 Trinity Lutheran v2018 - Tanner.rvt

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

SHEET

DETAILS

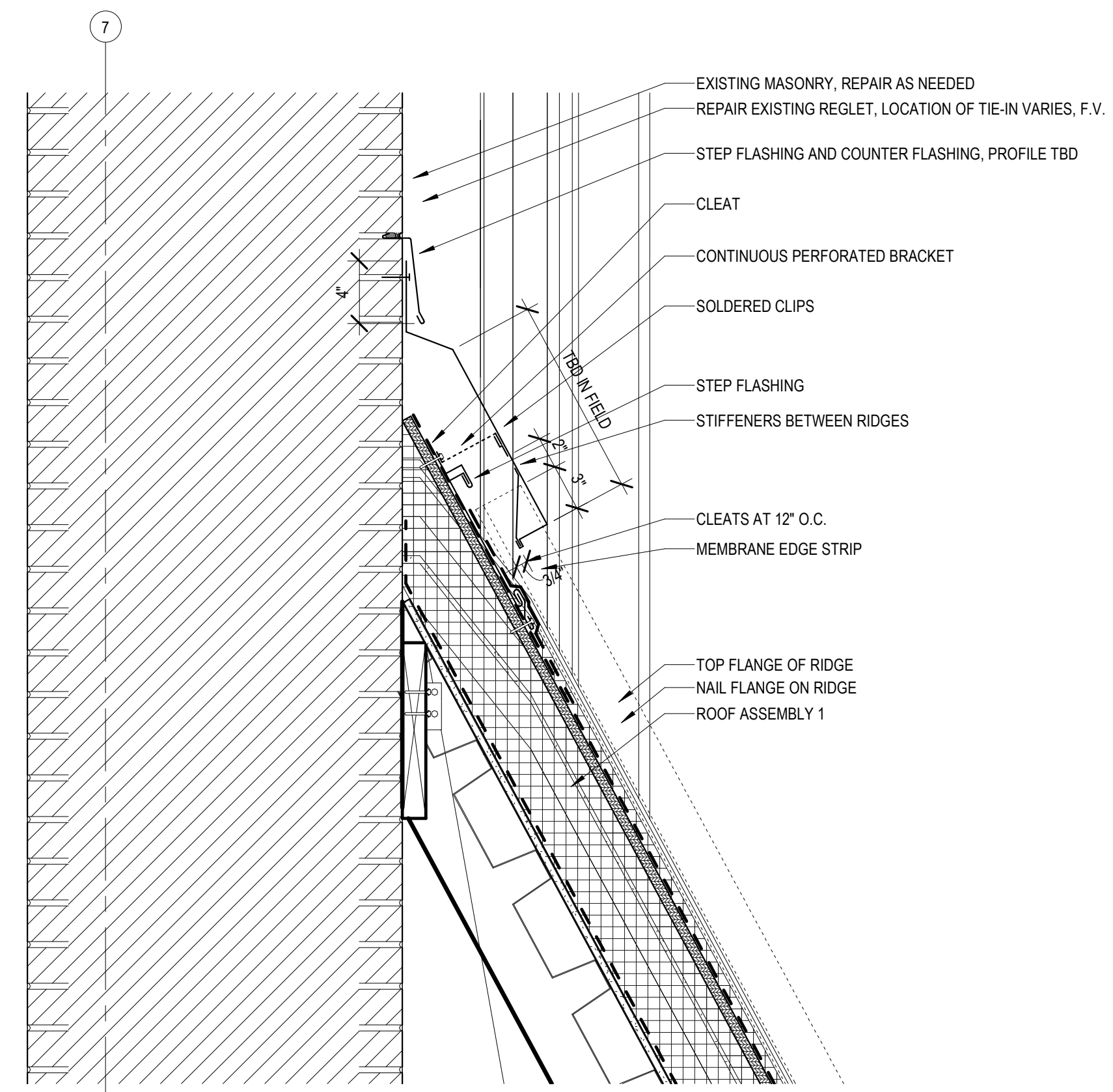
DATE
09/21/2018

PROJECT NO.
18-122

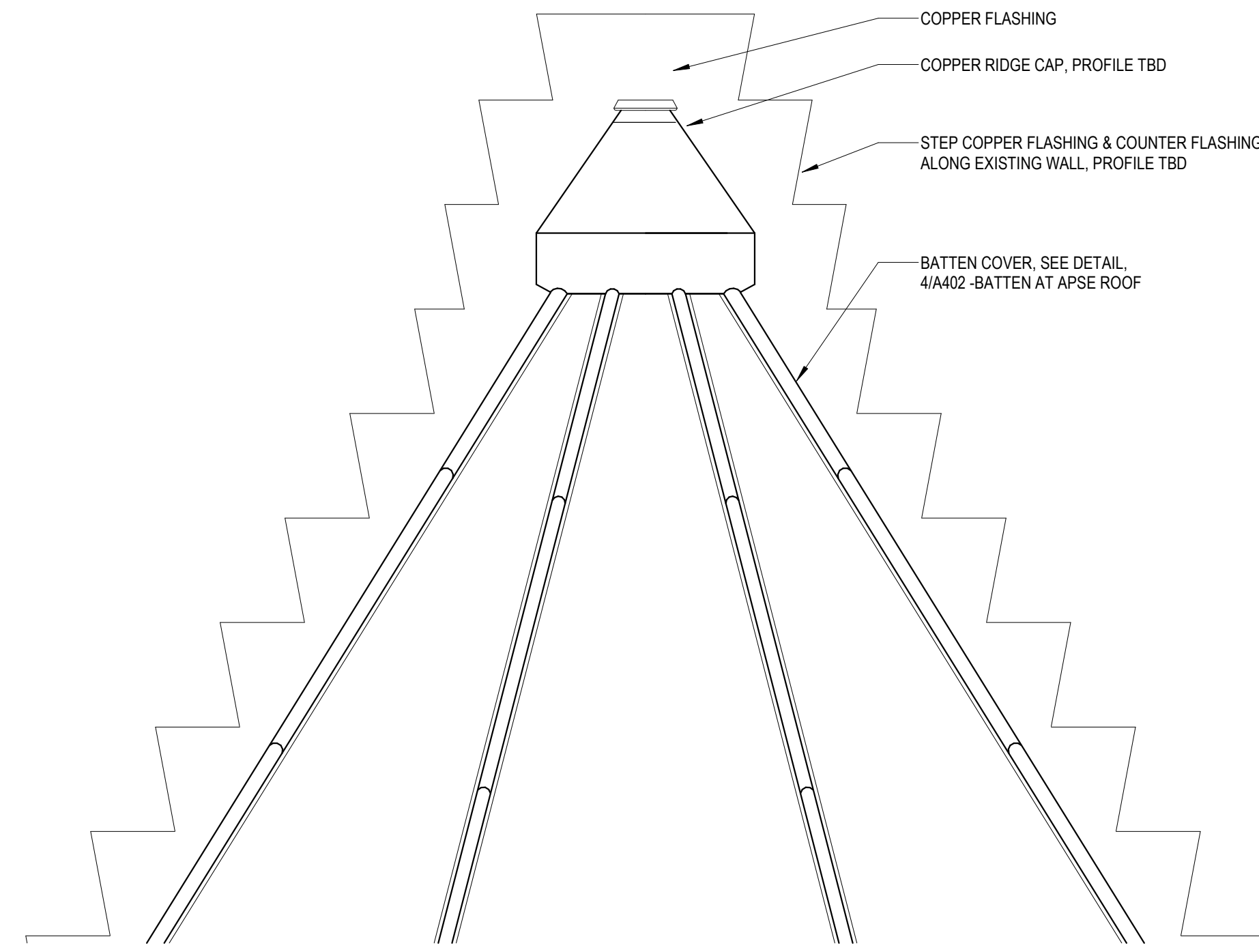
SHEET NO.

A401

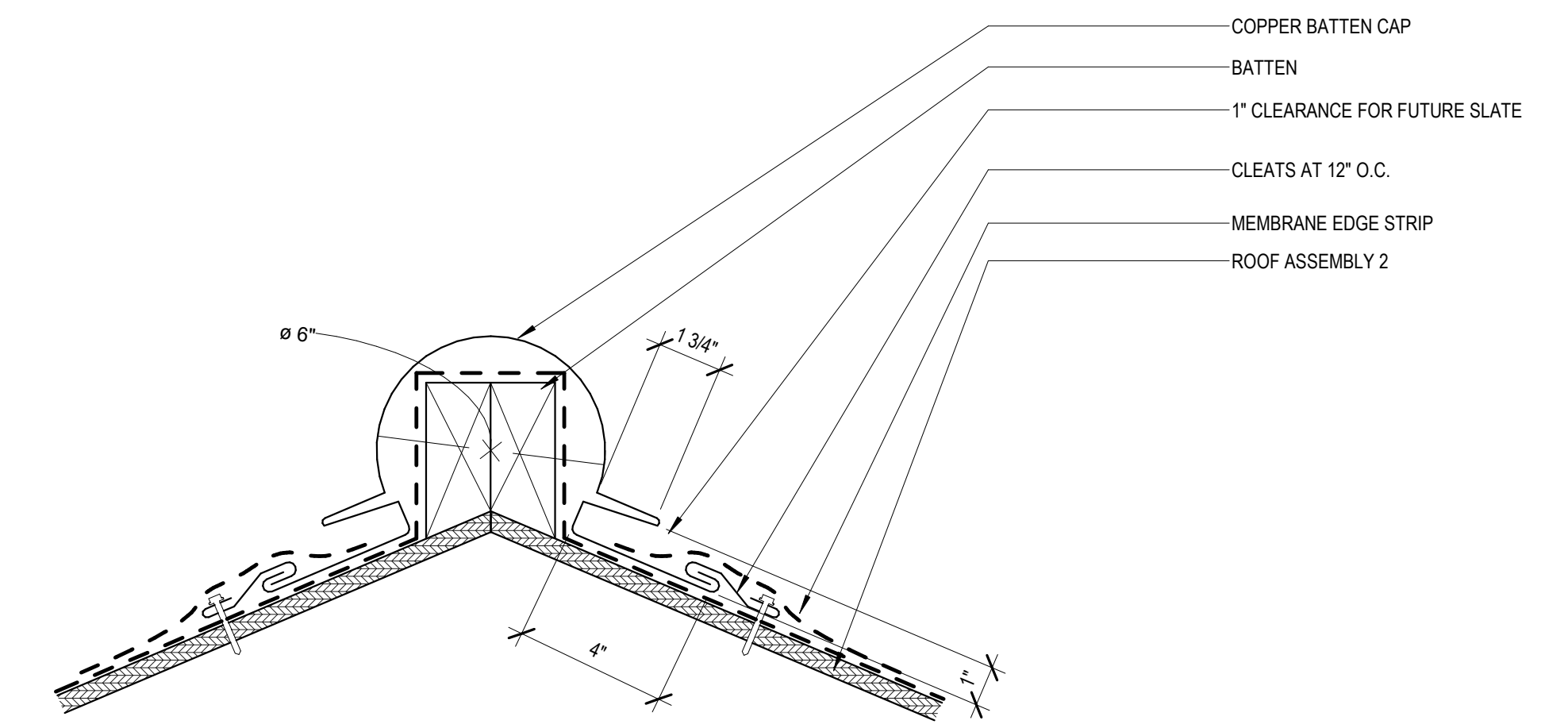
| REVISIONS | | |
|-----------|------------|-------------|
| No. | Date | Description |
| 1 | 10/11/2018 | Addendum 1 |
| 2 | 10/30/2018 | Addendum 2 |



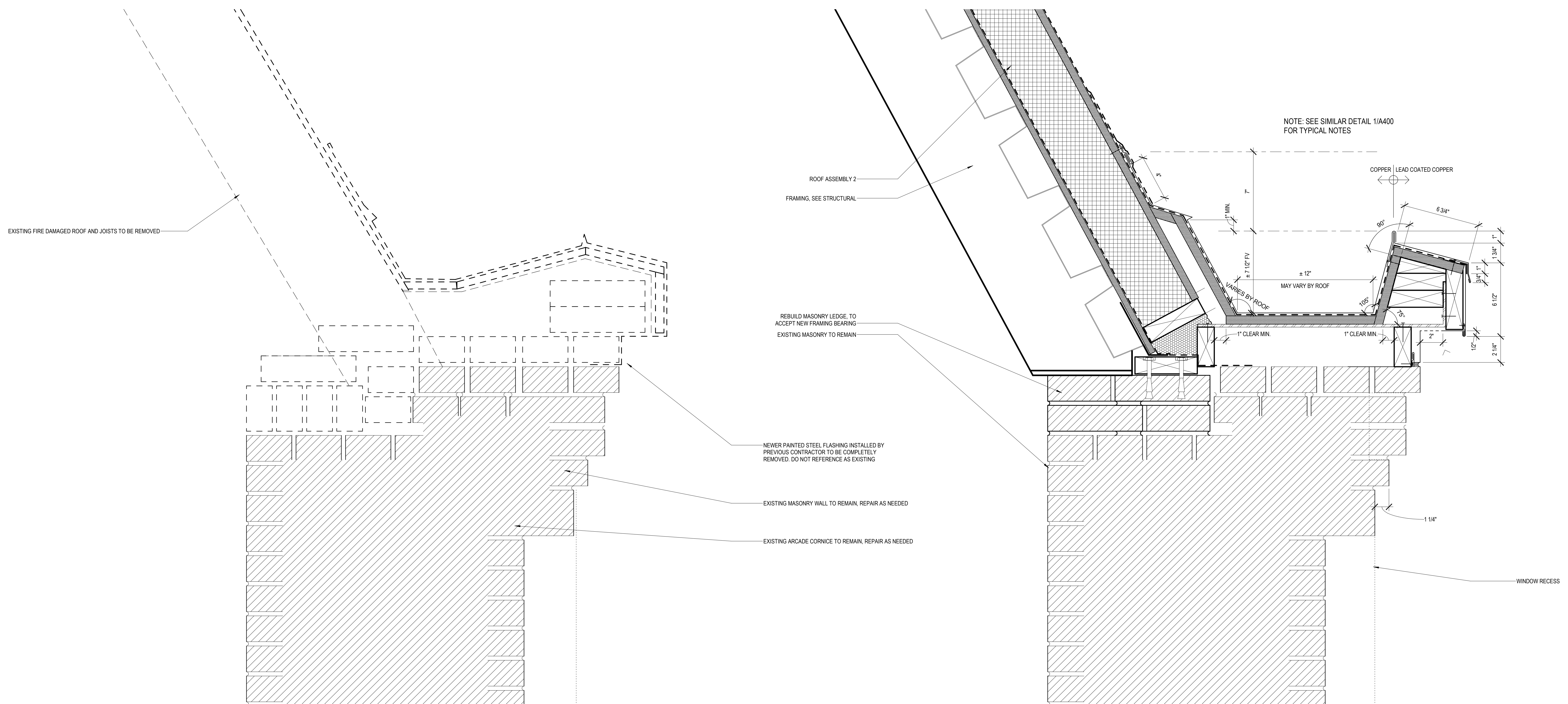
24
A402 DETAIL - ROOF CONNECTION TO GABLE - EAST
SCALE: 1 1/2" = 1'-0"



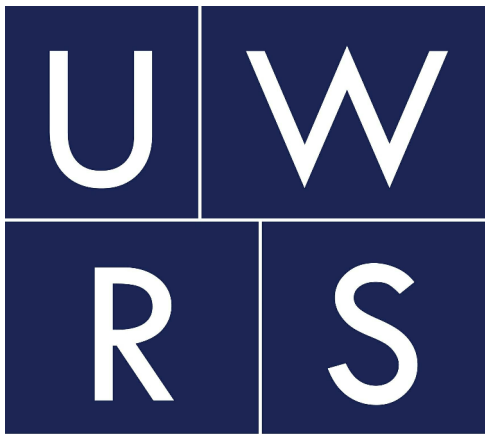
14
A402 DETAIL - BATTEN AND RIDGE AT APSE
SCALE: NOT TO SCALE



4
A402 DETAIL - RIDGE BATTEN CAP AT APSE ROOF
SCALE: 3" = 1'-0"



1
A402 DETAIL - T/O WALL AND GUTTER - APSE
SCALE: 3" = 1'-0"



UIHLEIN | WILSON
RAMLOW | STEIN
 ARCHITECTURE | DESIGN | PLANNING

322 East Michigan Street
 Milwaukee, WI 53202

414.271.8899
 office@uihlein-wilson.com
 www.uihlein-wilson.com



© UIHLEIN/WILSON - RAMLOW/STEIN
 ARCHITECTS, INC.
 ALL RIGHTS RESERVED

OWNERSHIP OF DOCUMENTS
 This document, and the ideas and designs incorporated herein, is an instrument of professional service, or the sole property of Uihlein/Wilson - Ramlow/Stein Architects, Inc. and is not to be used in whole or in part for any other project or purpose without the expressed written authorization of Uihlein/Wilson - Ramlow/Stein Architects, Inc.

| REVISIONS | | |
|-----------|------|-------------|
| No. | Date | Description |
| | | |



PERICE ENGINEERS, INC.
 181 N. Broadway Ave/Milwaukee, WI 53202
 Phone: 414.278.6061 | Fax: 414.278.6061
 www.periceengineers.com
PE PROJECT: 18363

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
 RESTORATION

SHEET
GENERAL NOTES & DESIGN CRITERIA

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

S001

BUILDING DESIGN LOADS/CRITERIA

| | |
|--|---------------------------------|
| ROOF SNOW LOADS & DESIGN DATA: | |
|DESIGN ROOF SNOW LOAD | 20 psf (BALANCED SNOW LOAD) |
|FLAT ROOF SNOW LOAD (P _f) = (0.7 * C _e * C _m * P _g) | 5.5 psf |
|SNOW EXPOSURE FACTOR (C _e) | 1.0 |
|SNOW LOAD IMPORTANCE FACTOR (I _s) | 1.0 |
|ROOF THERMAL FACTOR (C _t) | 1.0 |
|GROUND SNOW (P _g) | 30 psf |
|RAIN ON SNOW SURCHARGE | 0 |
|SLOPED ROOF FACTOR (C _d) | 0.25 |
| WIND DESIGN DATA: | |
|WIND IMPORTANCE FACTOR (I _w) | 1.0 MPH |
|NOMINAL WIND SPEED | 90 MPH |
|WIND DIRECTIONALITY FACTOR (K _d) | 0.85 |
|MEAN ROOF HEIGHT | 53 FT |
|WIND EXPOSURE CATEGORY | B |
|WIND EXPOSURE CLASSIFICATION | ENCLOSED |
|INTERNAL PRESSURE COEFFICIENT | +0.18 |
|BUILDING LENGTH (L) | 155 FT |
|LEAST WIDTH (B) | 57 FT |
|VELOCITY PRESSURE EXPOSURE COEFFICIENT K _z (CASE 1) | 0.89 |
|VELOCITY PRESSURE EXPOSURE COEFFICIENT K _z (CASE 2) | 0.89 |
|TOPOGRAPHIC FACTOR (K _{zt}) | 1.0 |
|EDGE STRIP (a) | 6 FT |
|END ZONE (z ₀) | 12 FT |
|DESIGN PROCEDURE | METHOD 1 (SIMPLIFIED PROCEDURE) |

TRUSS MEMBER SCHEDULE

| | | |
|--|------------|-----------------------------|
| MARK | | |
| STRUCTURAL STEEL: | | |
|ROLLED WIDE FLANGE SHAPES, ASTM A992 GRADE 50 | | F _y = 50,000 PSI |
|CHANNELS, ANGLES, AND S SHAPES, ASTM A36 | | F _y = 36,000 PSI |
|PLATE AND BAR, ASTM A36 | | F _y = 36,000 PSI |
|TUBE SHAPES, ASTM A500 GRADE B | | F _y = 46,000 PSI |
|PIPE ASTM A53, TYPE E or S, GRADE B | | F _y = 35,000 PSI |
|ALL OTHER ROLLED SHAPES, ASTM A36 | | F _y = 36,000 PSI |
| STRUCTURAL BOLTS: | | |
|HIGH STRENGTH BOLTS, NUTS, & WASHERS | ASTM A325 | |
|ZINC-COATED HIGH STRENGTH BOLTS, NUTS, & WASHERS | ASTM A325 | |
|STAINLESS STEEL BOLTS, NUTS, & WASHERS | ASTM F593 | |
|SHEAR CONNECTORS (GRADES 1015 THRU 1020) | ASTM A108 | |
|THREADED RODS | ASTM A36 | |
|CLEVIS & TURNBUCKLES (GRADE 1035) | ASTM A108 | |
|EYE BOLTS & NUTS (GRADE 1030) | ASTM A108 | |
|ANCHOR BOLTS (GRADE 36) | ASTM F1554 | |
| WELDED CONNECTIONS: | | |
|WELDING ELECTRODES | E70XX | |
| MASONRY: | | f _m = 2,000 PSI |
| MASONRY MORTAR: | | |
|TYPE "M" MORTAR BELOW GRADE | | |
|TYPE "M" or "S" ABOVE GRADE | | |
| GROUT BELOW BASE PLATES & BEARING PLATES: | | |
|NONMETALLIC, SHRINKAGE-RESISTANT | ASTM C1107 | |

STRUCTURAL STEEL:

- DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO AISI/ (AMERICAN INSTITUTE OF STEEL CONSTRUCTION) "STEEL CONSTRUCTION MANUAL," EDITION AS SPECIFIED BY CODE.
- STEEL DETAILING AND CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AISI 360 "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS," EDITION AS SPECIFIED BY CODE, ALLOWABLE STRESS DESIGN.
- BEAM AND GIRDER CONNECTIONS SHALL BE DETAILED AS NOTED ON PLANS AND DETAILS.
- STEEL FABRICATOR SHALL DESIGN CONNECTIONS NOT SPECIFICALLY DETAILED ON PLANS AS FOLLOWS:
 A. MEMBER SHEAR CONNECTIONS UNLESS A LARGER VERTICAL END REACTION IS SHOWN ON THE DRAWINGS (i.e. R = 85%), MINIMUM DESIGN SHEAR FORCES SHALL BE A NON-COMPOSITE SUPPORT REACTION "N" EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE TABLE OF UNIFORM LOAD CONSTANTS IN THE AISI MANUAL PART 2 FOR THE GIVEN SHAPE, SPAN, AND GRADE OF STEEL.
 B. MEMBERS REQUIRING END MOMENT CONNECTIONS SHALL MEET THE REQUIREMENTS OF TYPE 1 "RIGID FRAME" CONSTRUCTION INCLUDING FRICTION BOLTS IF UTILIZED. ALL OTHER MEMBERS SHALL FOLLOW THE REQUIREMENTS OF TYPE 2 "SIMPLE" CONSTRUCTION.
- ALTERNATE CONNECTIONS FROM WHAT IS SPECIFIED ON THE CONSTRUCTION DOCUMENTS WILL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS HOLDING CURRENT AWS CERTIFICATES IN THE TYPES OF WELDING SPECIFIED ON THE CONSTRUCTION DOCUMENTS.
- ALL STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN MILL TOLERANCE) IN THE UPWARD VERTICAL DIRECTION.
- PROVIDE 3/16" CAP PLATE AT THE ENDS OF ALL EXPOSED TUBE AND PIPE MEMBERS, UNLESS NOTED OTHERWISE.
- PROVIDE STIFFENER PLATES ON BOTH SIDES OF BEAM WEBS AT ALL CONCENTRATED LOADS ABOVE AND BELOW A BEAM. UNLESS NOTED OTHERWISE, FRAME THE LARGEST BEAM OVER COLUMNS AT BEAM TO BEAM INTERSECTIONS.
- SPICES SHALL BE ALLOWED ONLY AT LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS, UNLESS APPROVED BY THE STRUCTURAL ENGINEER, UNLESS NOTED OTHERWISE, FRAME THE LARGEST BEAM OVER COLUMNS AT BEAM TO BEAM INTERSECTIONS.
- CONTRACTOR SHALL ELECTRONICALLY SUBMIT STEEL SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING TO THE ARCHITECT.
- STAIRS, HANDRAILS, AND GUARDRAILS SHALL BE DELEGATED DESIGN BY THE STEEL SUPPLIER. CONNECTIONS INTO SURROUNDING STRUCTURE SHALL BE APPROVED BY STRUCTURAL ENGINEER. CALCULATIONS OF ALL STAIR COMPONENTS MUST BE SUPPLIED WITH STAIR SHOP DRAWINGS AND STAMPED BY THE PROFESSIONAL ENGINEER IN RESPONSIBLE CHARGE, IN THE STATE IN WHICH THE PROJECT IS LOCATED.
- CONTRACTOR SHALL DETERMINE, FURNISH AND INSTALL ANY TEMPORARY BRACING OR GUYS REQUIRED TO ERECT STEEL MEMBERS. TEMPORARY BRACING SHALL BE LEFT IN PLACE UNTIL THE PERMANENT STRUCTURE IS IN PLACE AND SECURE. REFER TO PLAN NOTES FOR DESCRIPTION OF LATERAL SYSTEM.
- STRUCTURAL STEEL FRAMING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS ARE FINALLY BOLTED OR WELDED.
- ANY HOLES, CUTS, OR COPING FIELD CUT INTO STEEL MUST BE VERIFIED WITH THE STRUCTURAL ENGINEER PRIOR TO WORK. CONTRACTOR SHALL COORDINATE ALL HOLES REQUIRED BY OTHERS WITH THE STRUCTURAL ENGINEER.
- THE STEEL SUPPLIER SHALL COORDINATE HIS WORK WITH OTHER DELEGATED DESIGN COMPONENTS (i.e. STEEL JOISTS, PRECAST CONCRETE, ETC.).

METAL DECK:

- DECK, ACCESSORIES, AND ATTACHMENTS SHALL CONFORM WITH THE CURRENT EDITION OF "STEEL DECK INSTITUTE SPECIFICATIONS".
- PROVIDE SUPPORT AT COLUMNS AS REQUIRED FOR DECK SUPPORT. PROVIDE 1/2x3/16 MINIMUM.
- AT OPENINGS IN DECK LESS THAN 12"x12", PROVIDE A 1/8 GAUGE COVER PLATE FASTENED TO DECK WITH #12 TEK SCREWS.
- AT CHANGE IN DECK DIRECTION, PROVIDE A 20 GAUGE x 9" WIDE CONTINUOUS PLATE. PROVIDE SAME PLATE AT ALL RIDGES, VALLEYS, AND HPS BENT TO MATCH PROFILE OF ROOF.

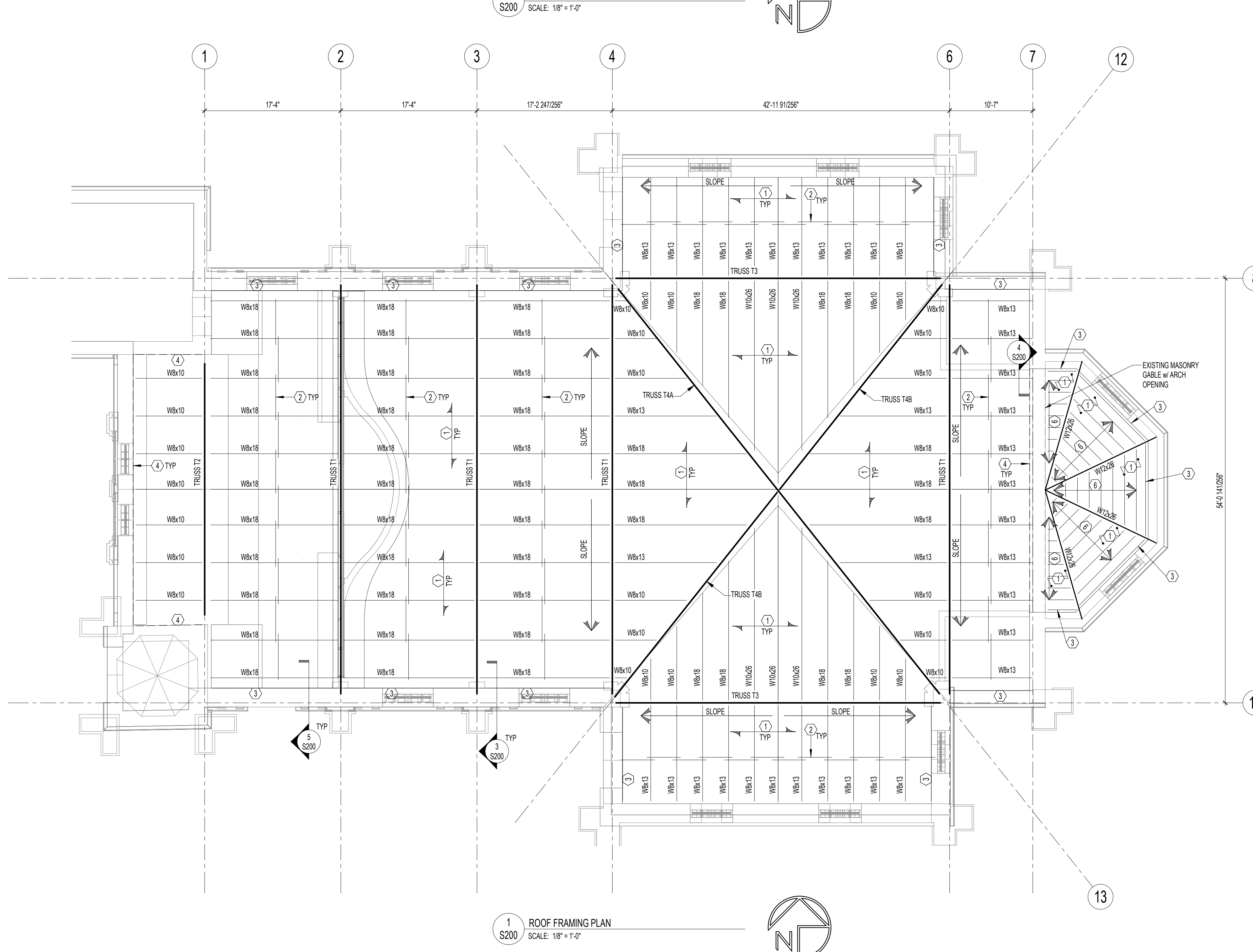
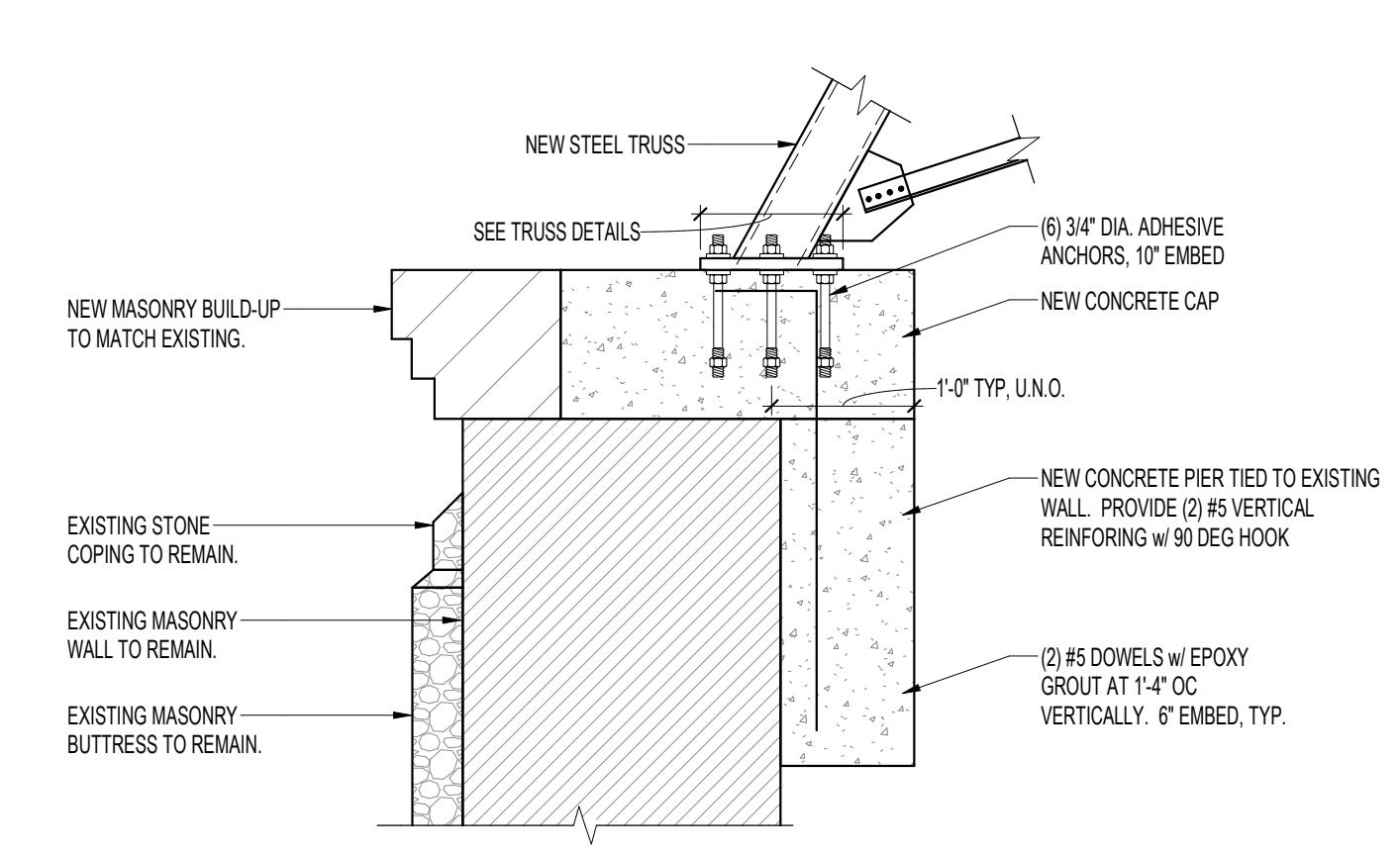
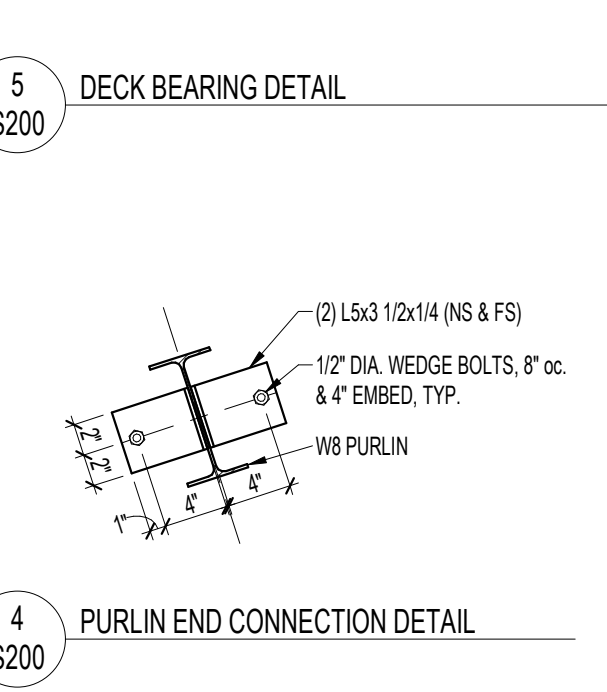
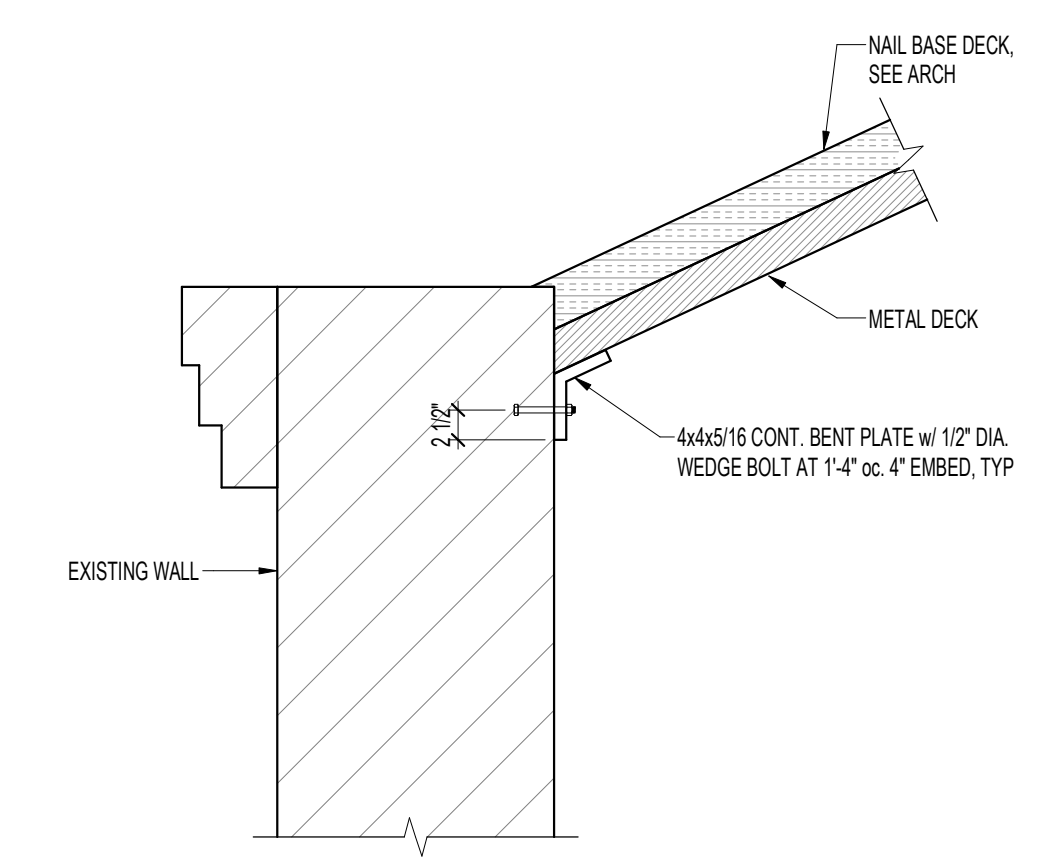
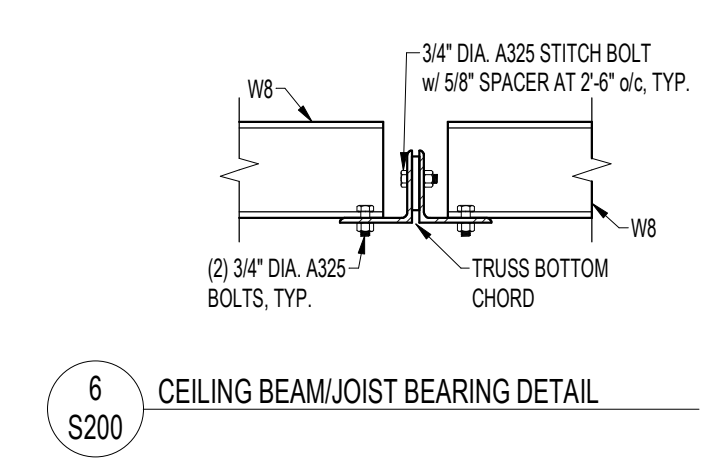
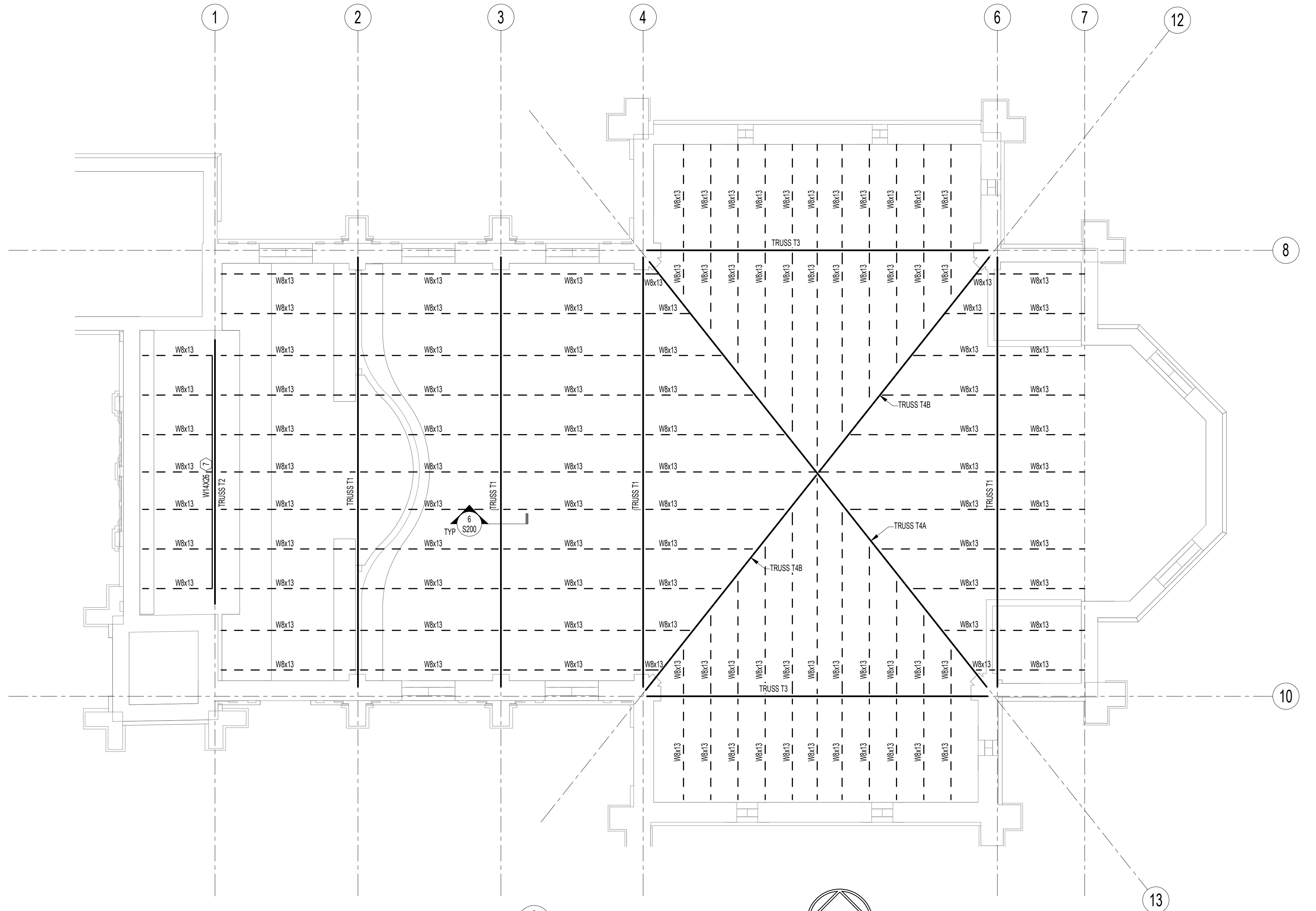
GENERAL NOTES:

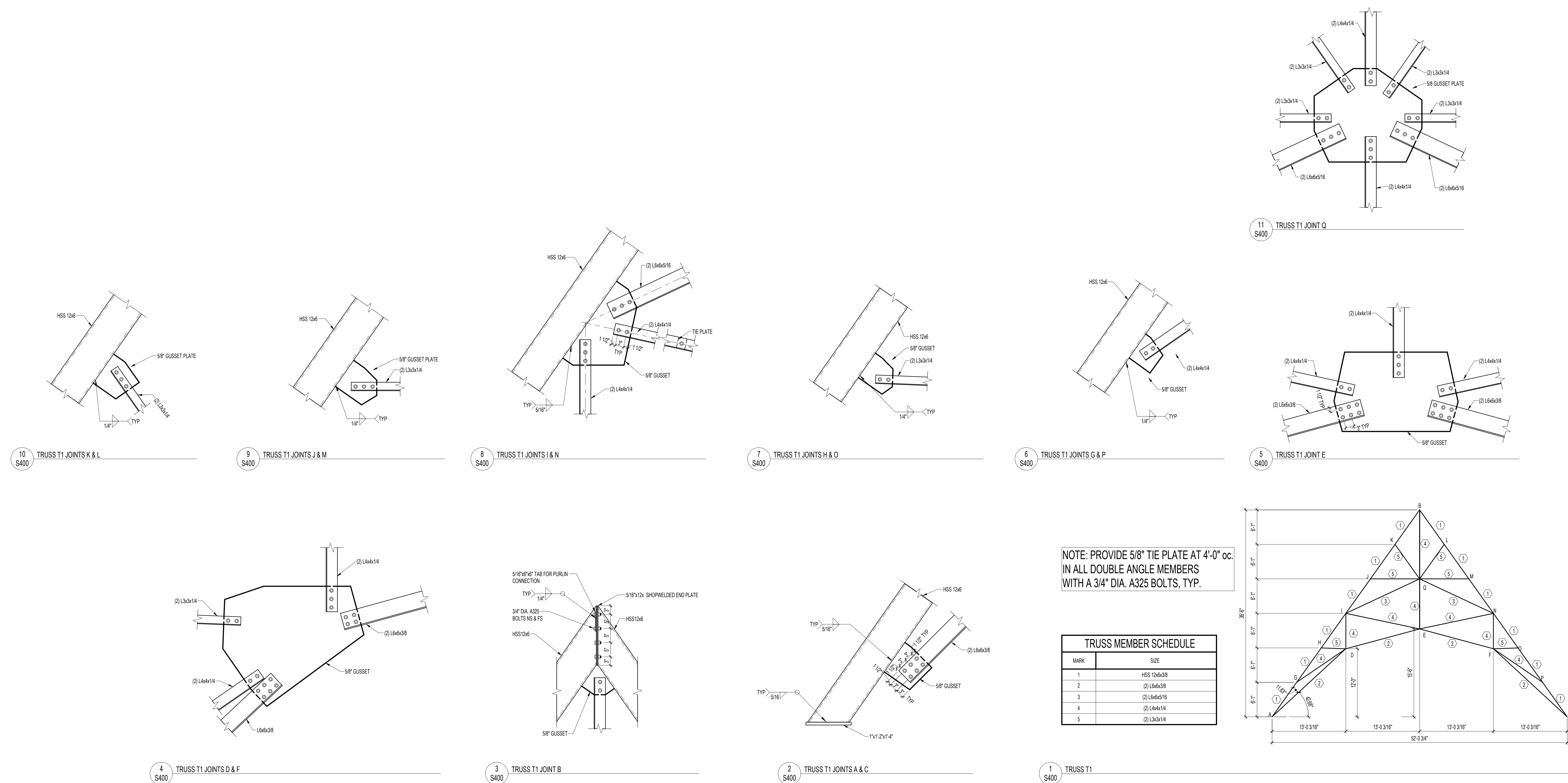
- ALL MATERIALS, CONSTRUCTION, AND DETAILS SHALL CONFORM WITH THE FOLLOWING:
 PLANS AND SPECIFICATIONS
 CODE AS SPECIFIED IN DESIGN DATA
 OSHA REGULATIONS
- THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL BE FAMILIAR WITH THE ENTIRE SET OF CONSTRUCTION DOCUMENTS (ARCHITECTURAL, CIVIL, ELECTRICAL, PLUMBING, STRUCTURAL, ETC.) IN ORDER TO PROVIDE ALL CONSTRUCTION AND MATERIALS FOR THIS PROJECT.
- THE CONTRACTOR SHALL REFER TO OTHER DRAWINGS CONTAINED IN THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL SPECIFIED MEMBERS, DIMENSIONS, ELEVATIONS, DETAILS, OPENINGS, INSERTS, SLEEVES, DEPRESSIONS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS, REQUIRED TO CONSTRUCT THIS PROJECT.
- DETAILS SHOWN ON STRUCTURAL DRAWINGS SHALL BE APPLICABLE TO ALL PORTIONS OF THE CONTRACT DOCUMENTS UNLESS NOTED OTHERWISE.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
- ALL LOADS AND REACTIONS SHOWN ON THE PLANS ARE SERVICE LOADS, UNLESS NOTED OTHERWISE.
- DO NOT SCALE PLANS.
- IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE UNLESS APPROVED BY THE STRUCTURAL ENGINEER.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND CONSTRUCTION SEQUENCE IN ORDER TO ENSURE THE SAFETY OF THE BUILDING AND WORKMEN DURING CONSTRUCTION (MEANS AND METHODS OF CONSTRUCTION). THIS INCLUDES, BUT IS NOT LIMITED TO: SHORING, UNDERPINNING, TEMPORARY BRACING, ETC.
- CONSTRUCTION DOCUMENTS SHOW DIMENSIONS AND ELEVATIONS TO SIGNIFICANT WORKING POINTS (COLUMN CENTER LINES, OUTSIDE FACE OF WALLS, TOP OF FRAMING MEMBERS, ETC.). MATERIAL SUPPLIERS AND DESIGNERS ARE RESPONSIBLE FOR ALL OTHER INFORMATION IN ORDER TO DETAIL/FABRICATE THEIR WORK. CONTACT THE ARCHITECT WITH ANY DISCREPANCIES.
- IN THE EVENT OF ANY DISCREPANCIES BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PLANS CONTAINED IN THIS SET OF CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BRING THE DISCREPANCY TO THE ARCHITECT'S ATTENTION IMMEDIATELY, IN WRITING.
- NO PROVISIONS HAVE BEEN MADE IN THE DESIGN OF THIS STRUCTURE FOR FUTURE EXPANSION, UNLESS SPECIFICALLY NOTED ON PLAN.

EXISTING CONSTRUCTION CONDITIONS:

- ALL EXISTING FRAMING SHOWN ON THESE DRAWINGS IS BASED ON AVAILABLE DOCUMENTATION AND FIELD OBSERVATION TO DATE. CONTRACTOR SHALL FIELD VERIFY ALL SIZES, DIMENSIONS, ELEVATIONS, AND CONFIGURATIONS OF EXISTING STRUCTURAL ELEMENTS (COLUMNS, BEAMS, WALLS, ETC.) AS NECESSARY TO PROPERLY INSTALL ALL NEW STRUCTURAL ELEMENTS AS SHOWN. COORDINATE DIFFERENCES BETWEEN FIELD CONDITIONS AND STRUCTURAL DRAWINGS WITH STRUCTURAL ENGINEER PRIOR TO PROCEEDING WITH WORK, AND PROCUREMENT/FABRICATION OF MATERIALS.
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY CONFLICTS WITH CONSTRUCTION DOCUMENTS.
- REMOVE AND REPLACE AND/OR MODIFY ALL EXISTING CONSTRUCTION (ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL) AS REQUIRED IN ORDER TO PLACE NEW STRUCTURAL WORK SHOWN ON THE CONSTRUCTION DOCUMENTS. DO NOT MODIFY STRUCTURAL COMPONENTS UNLESS DETAILED ON THE CONSTRUCTION DOCUMENTS.
- IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND CONSTRUCTION SEQUENCE IN ORDER TO ENSURE THE SAFETY OF THE BUILDING AND WORKMEN DURING CONSTRUCTION (MEANS AND METHODS OF CONSTRUCTION). THIS INCLUDES, BUT IS NOT LIMITED TO: SHORING, UNDERPINNING, TEMPORARY BRACING, ETC. CONTRACTOR SHALL DESIGN AND PROVIDE ALL SHORING REQUIRED TO SUPPORT EXISTING CONSTRUCTION AND NEW CONSTRUCTION AS REQUIRED TO BUILD THIS PROJECT.

- STEEL FRAMING PLAN NOTES:**
- PLAN NOTES APPLY TO ALL STEEL ROOF FRAMING PLANS
ALL NOTES DO NOT NECESSARILY APPLY TO ALL SHEETS
- SEE ARCHITECTURAL DRAWINGS FOR NEW ROOFING COMPOSITION & DETAILS.
 - REFER TO SHEETS S401, S401, S402 & S403 FOR TRUSS PROFILES, MEMBER SIZES & CONNECTION DETAILS.
 - AFTER INSTALLATION OF NEW STEEL TRUSSES AND ROOF DECKING, EXISTING TEMPORARY STEEL WALL BRACING CAN BE SAFELY REMOVED.
 - PLUG ALL ANCHOR HOLES AFTER REMOVAL OF TEMPORARY WALL BRACING WITH COMPATIBLE EPOXY.
- STEEL FRAMING PLAN KEYED NOTES:**
- KEYED NOTES APPLY TO ALL STEEL ROOF FRAMING PLANS
ALL NOTES DO NOT NECESSARILY APPEAR ON ALL SHEETS
- 3IN x 22 GA. GALV. METAL DECK, 3 SPAN (MIN.) CONDITION. USE 5/8" PUDDLE WELD IN 24" PATTERN AND (3#10) TEX SCREWS SIDELAP FASTENERS PER SPAN.
 - 3/4" DIA. SAG ROD AT MID-SPAN.
 - CONT. DOWNTURNED DECK BEARING BENT PLATE (4x4x1/8) WITH 1/2" DIA. WEDGE BOLT AT 1'-4" OC, 4" EMBED, TYP.
 - 1'-8" LONG DOWNTURNED DECK BEARING L4x4x1/8 WITH (2)1/2" DIA. WEDGE BOLTS, 4" EMBED, TYP.
 - ROOF SHEATHING SHALL BE 5/8" APA RATED WOOD ROOF SHEATHING (PLYWOOD OR OSB). ATTACH SHEATHING TO ROOF PURLINS w/ SIMPSON STRONG DRIVE TB 1405 AT 1'-0" OC. PROVIDE WOOD SHEATHING CLIPS WHERE SHEATHING EDGES ABUT BETWEEN ROOF PURLINS. STAGGER ALL ROOF SHEATHING JOINTS.
 - WBX10 PURLINS.
 - WIDE FLANGE BEAM TO SPAN HORIZONTALLY BETWEEN TRUSS T2 BOTTOM CHORDS. BOTTOM OF STEEL ELEVATION TO MATCH CEILING ARCH OF TRUSS T1.





REVISIONS

| No. | Date | Description |
|-----|------------|-------------|
| 1 | 10/11/2018 | ADDENDUM 1 |

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH RESTORATION

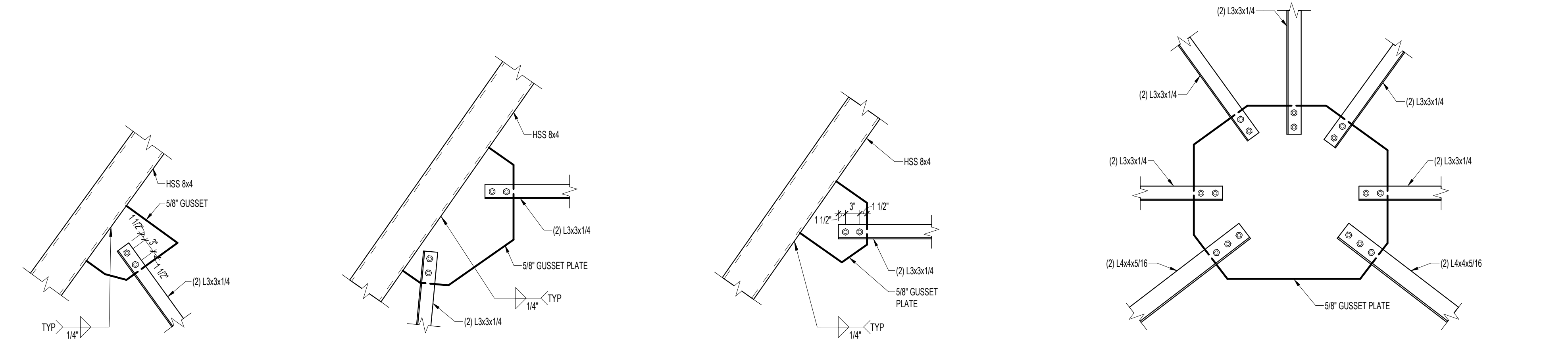
SHEET
STRUCTURAL DETAILS

DATE
09/21/2018

PROJECT NO.
18-122

SHEET NO.

S401

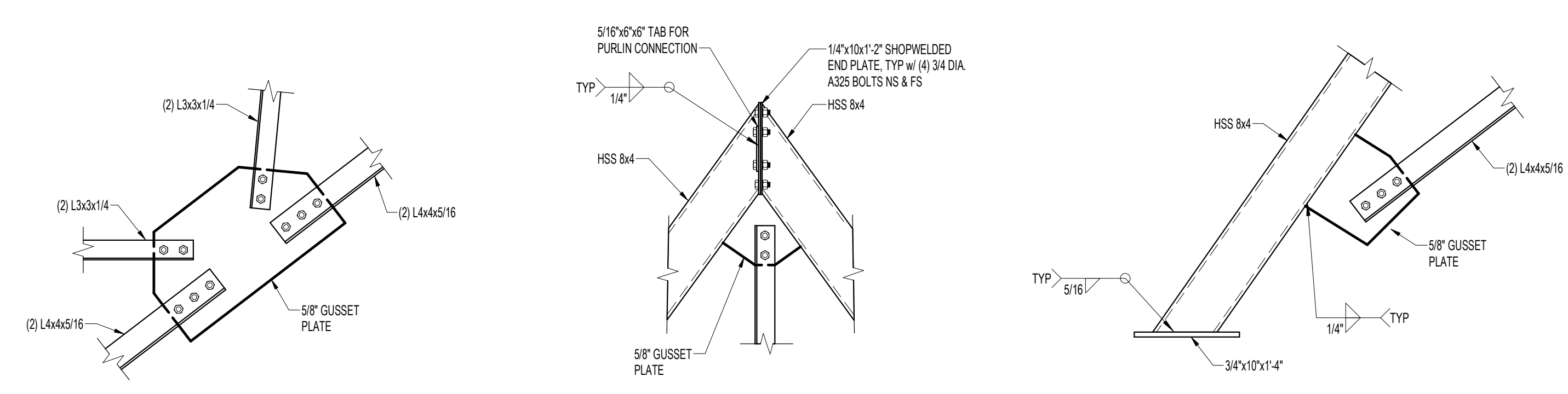


10 S401 TRUSS T2 JOINTS I & J

9 S401 TRUSS T2 JOINTS H & K

8 S401 TRUSS T2 JOINTS G & L

6 S401 TRUSS T2 JOINT E



5 S401 TRUSS T2 JOINTS D & F

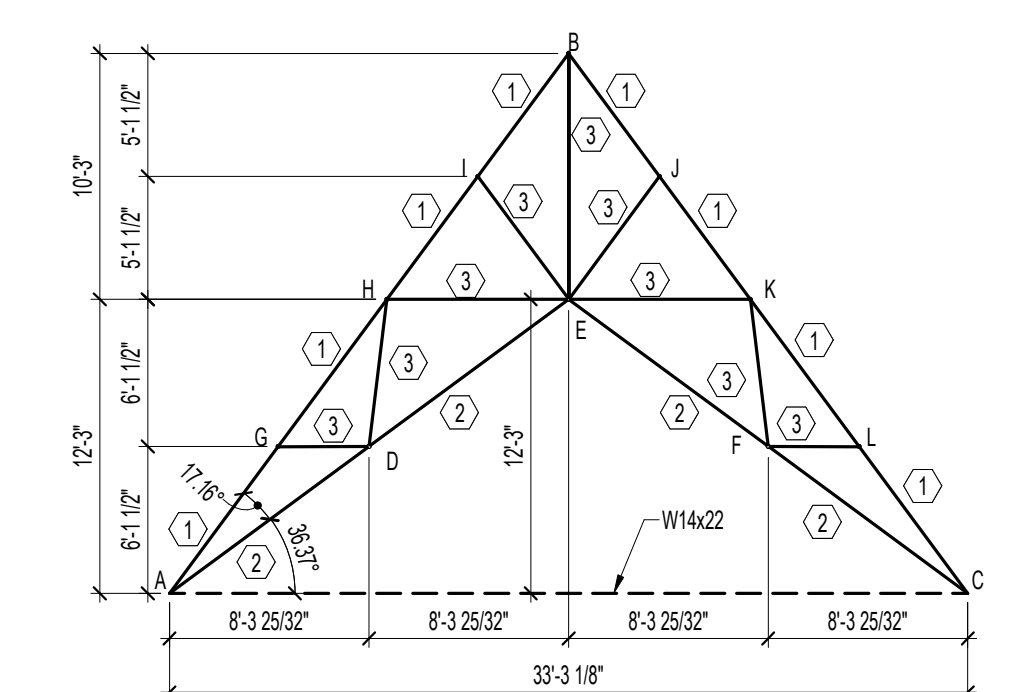
3 S401 TRUSS T2 JOINT B

2 S401 TRUSS T2 JOINTS A & C

NOTE: USE 5/8" TIE PLATE AT 4'-0" OC. IN ALL DOUBLE ANGLE MEMBERS WITH A 3/4" DIA. A325 BOLTS, TYP.

TRUSS MEMBER SCHEDULE

| MARK | SIZE |
|------|---------------|
| 1 | HSS 8x4x1/4 |
| 2 | (2) L4x4x5/16 |
| 3 | (2) L3x3x1/4 |



1 S401 TRUSS T2

| No. | Date | Description |
|-----|------------|-------------|
| 1 | 10/11/2018 | ADDENDUM 1 |

PRELIMINARY
NOT FOR CONSTRUCTION



PIERCE ENGINEERS, INC.
181 N. Broadway Ave/Milwaukee, WI 53202
Phone: 414.278.6061 | Fax: 414.278.6061
www.pierceengineers.com
PE PROJECT: 1 B363

PROJECT
TRINITY EVANGELICAL LUTHERAN CHURCH
RESTORATION

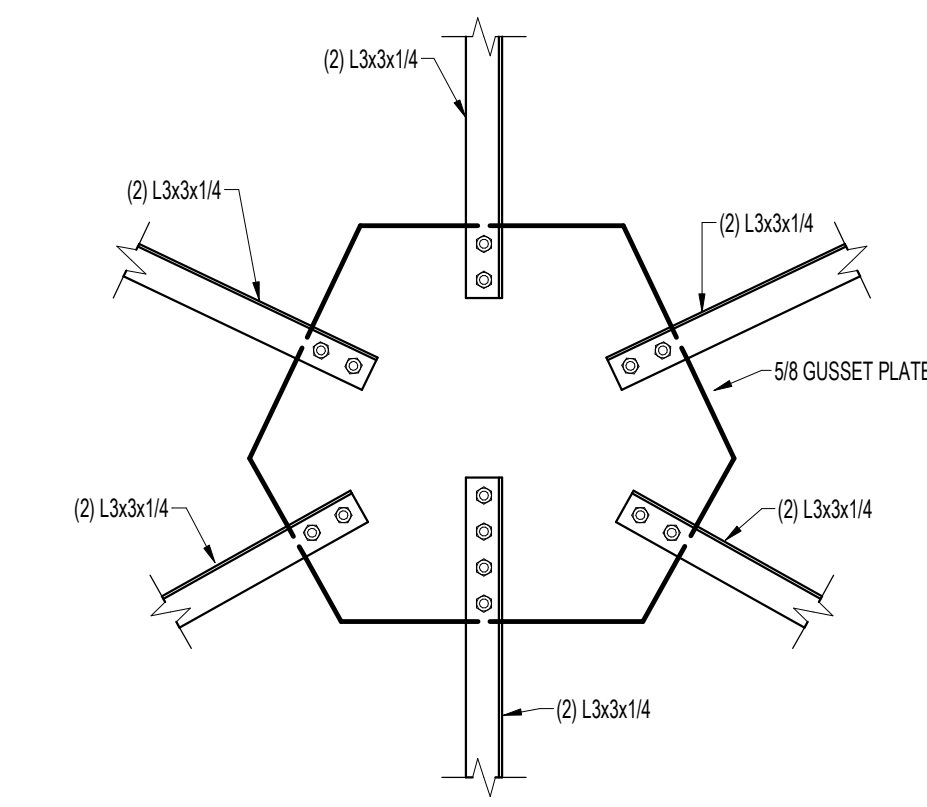
SHEET
STRUCTURAL DETAILS

DATE
09/21/2018

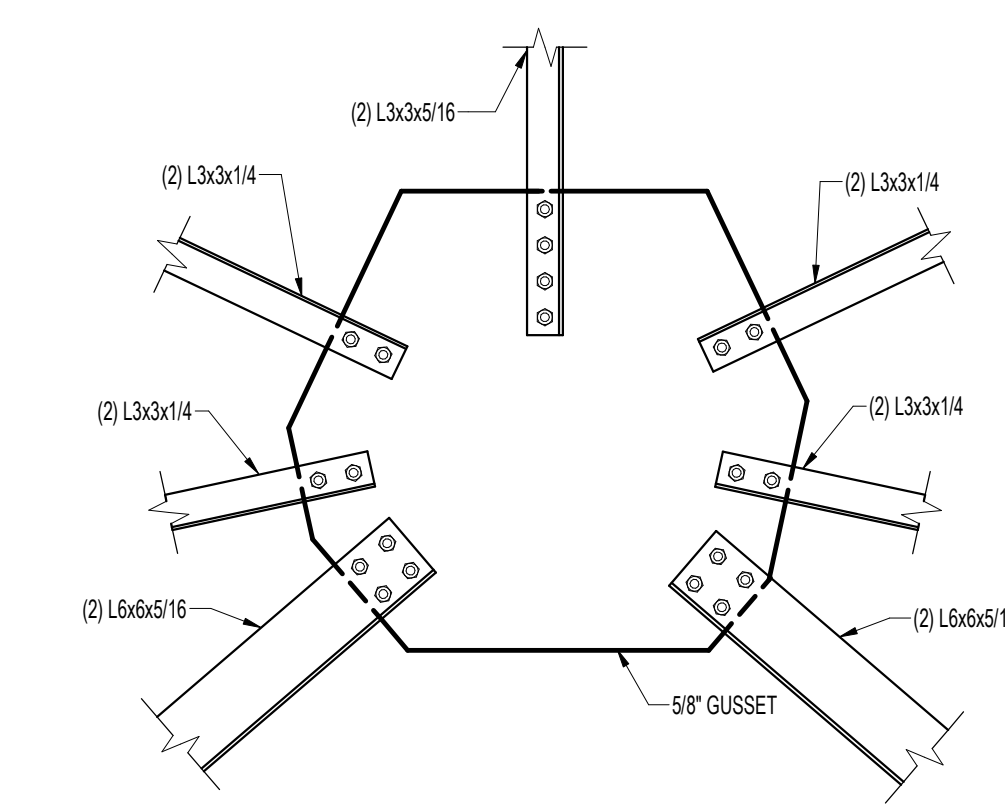
PROJECT NO.
18-122

SHEET NO.

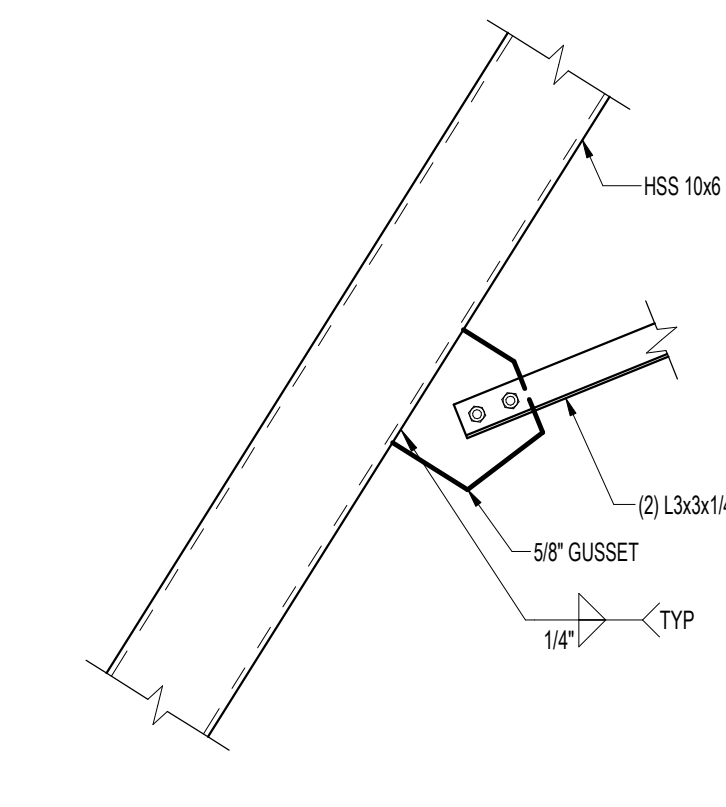
S402



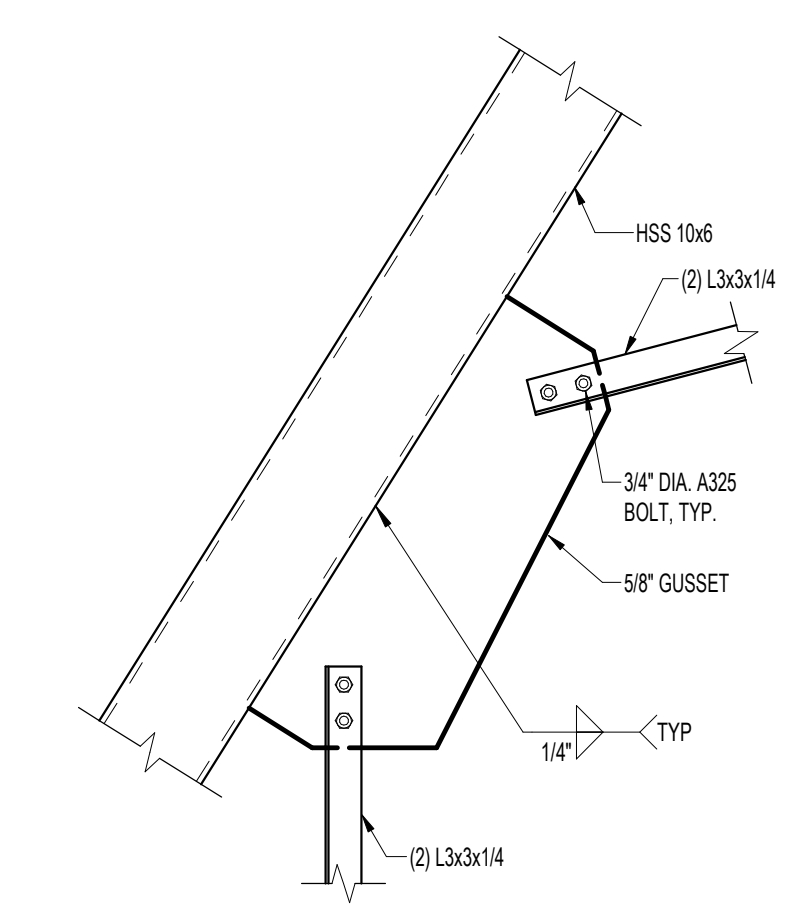
12 S402 TRUSS T3 JOINT S



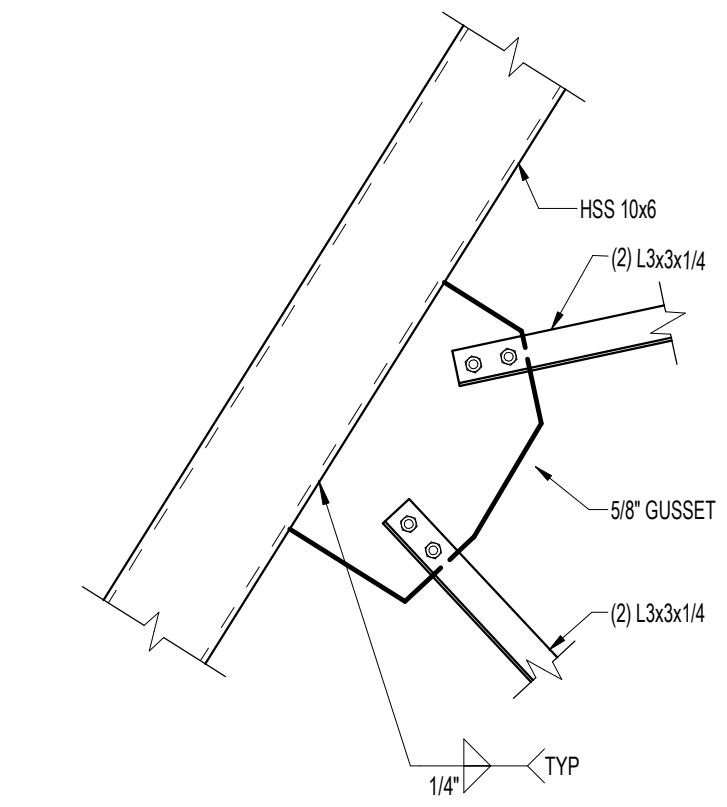
6 S402 TRUSS T3 JOINT F



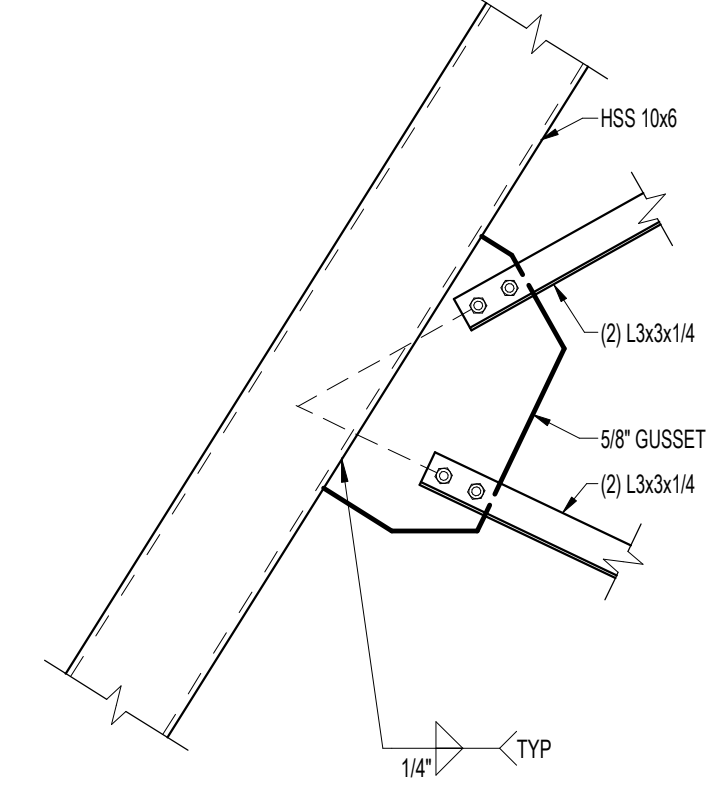
7 S402 TRUSS T3 JOINTS I & R



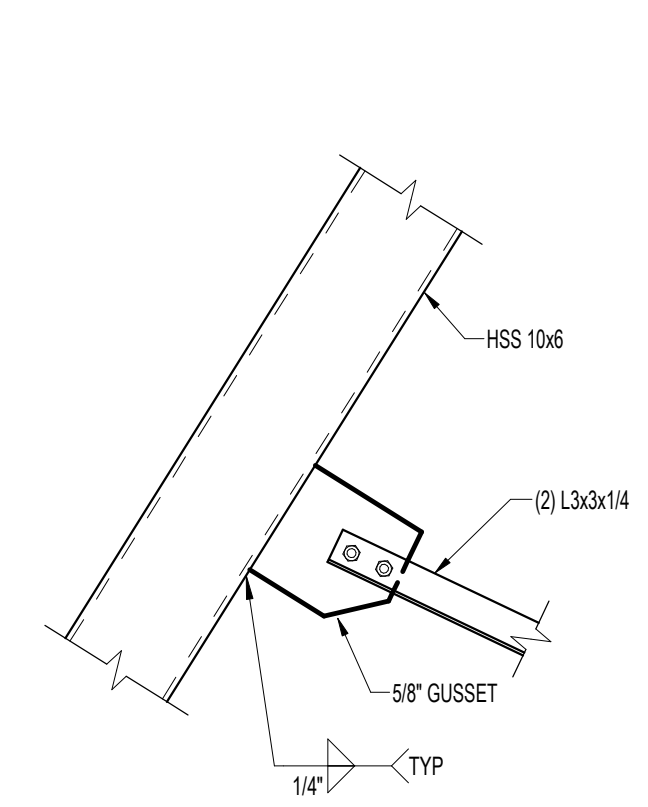
8 S402 TRUSS T3 JOINTS J & Q



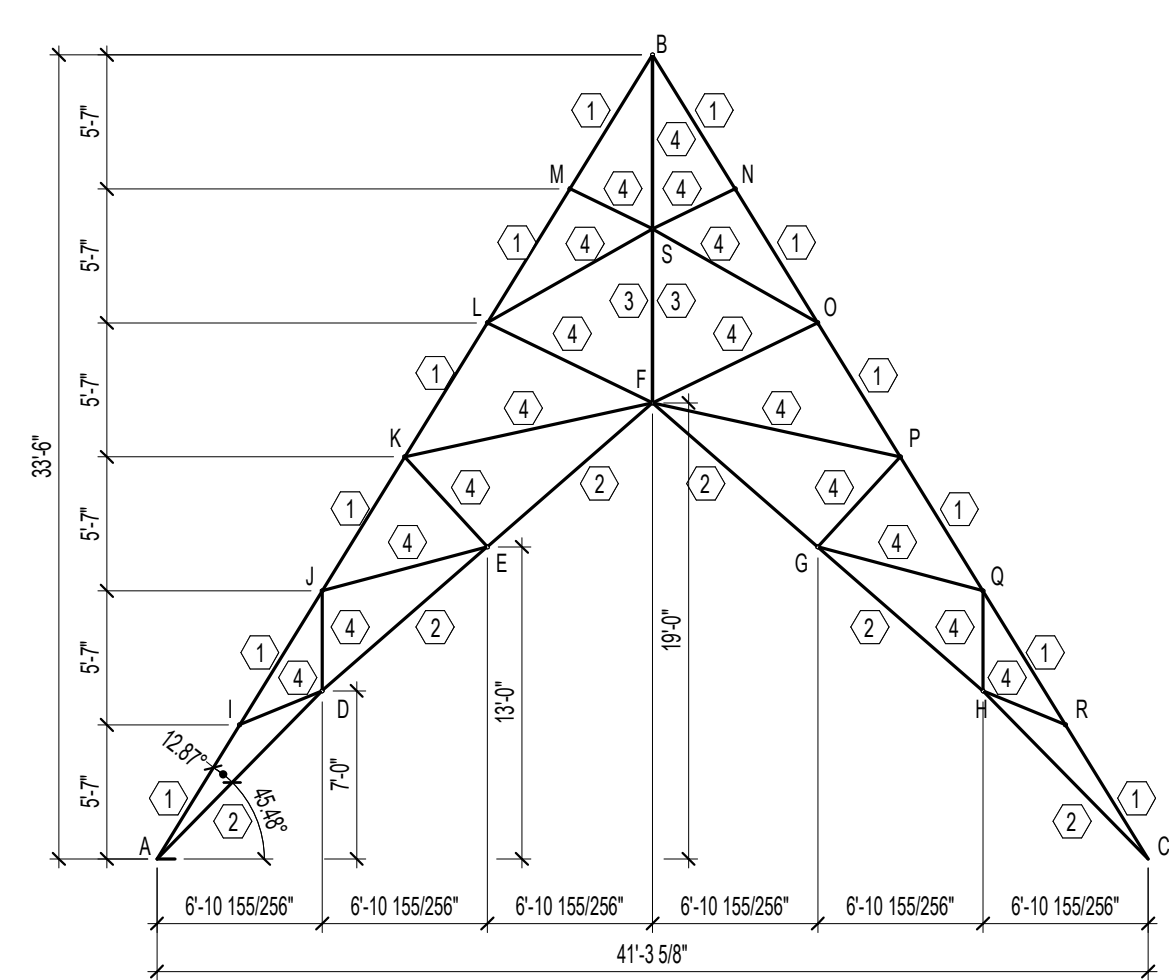
9 S402 TRUSS T3 JOINTS K & P



10 S402 TRUSS T3 JOINTS L & O

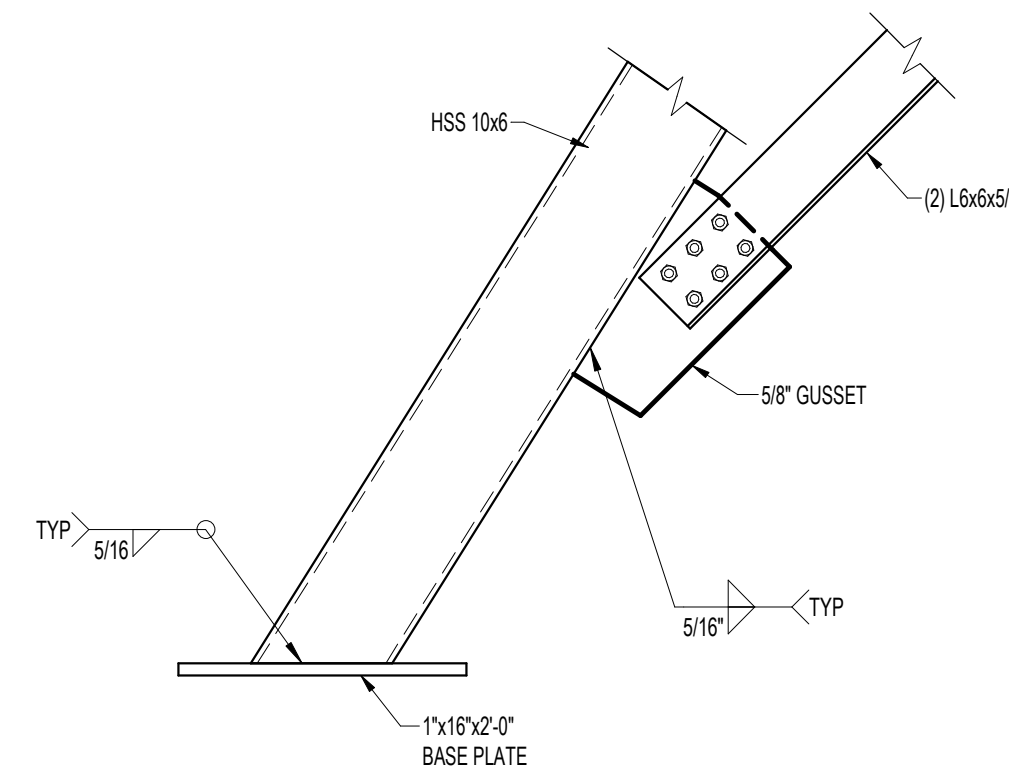


11 S402 TRUSS T3 JOINTS M & N

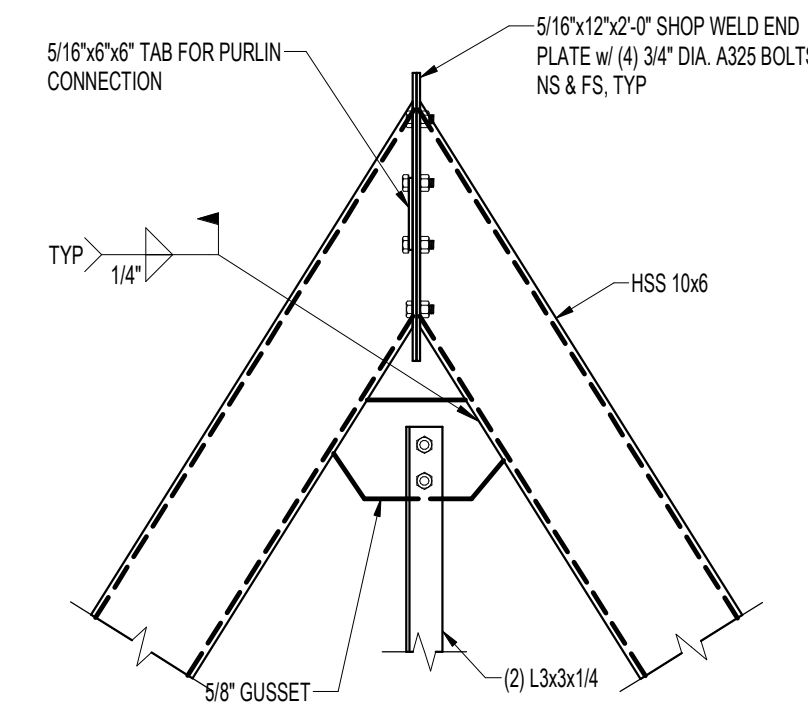


NOTE: USE 5/8" TIE PLATE AT 4'-0" oc. IN ALL DOUBLE ANGLE MEMBERS WITH A 3/4" DIA. A325 BOLTS, TYP.

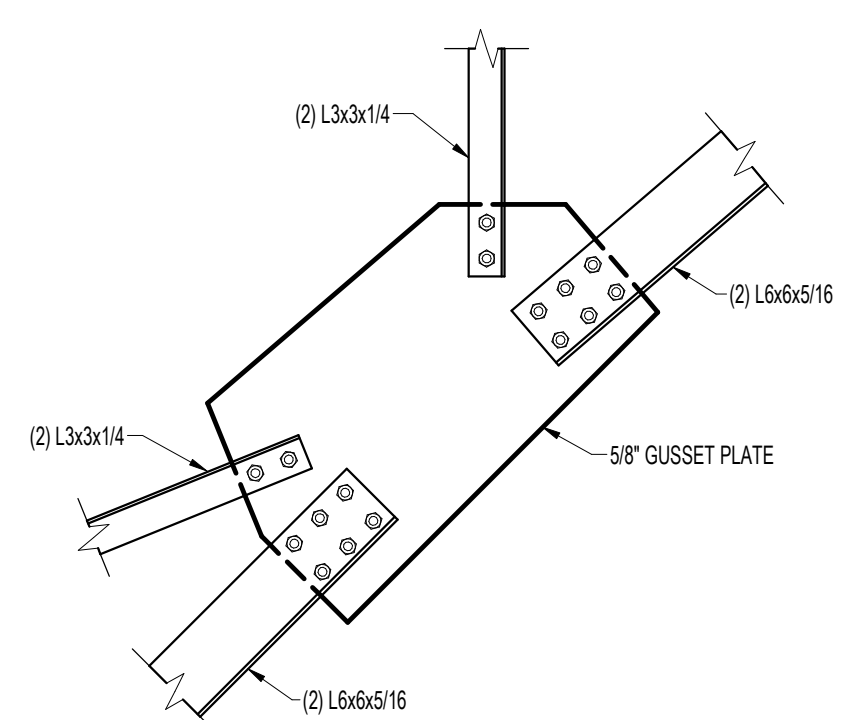
| TRUSS MEMBER SCHEDULE | |
|-----------------------|---------------|
| MARK | SIZE |
| 1 | HSS 10x6x5/16 |
| 2 | (2) L6x6x5/16 |
| 3 | (2) L3x3x1/4 |
| 4 | (2) L3x3x1/4 |



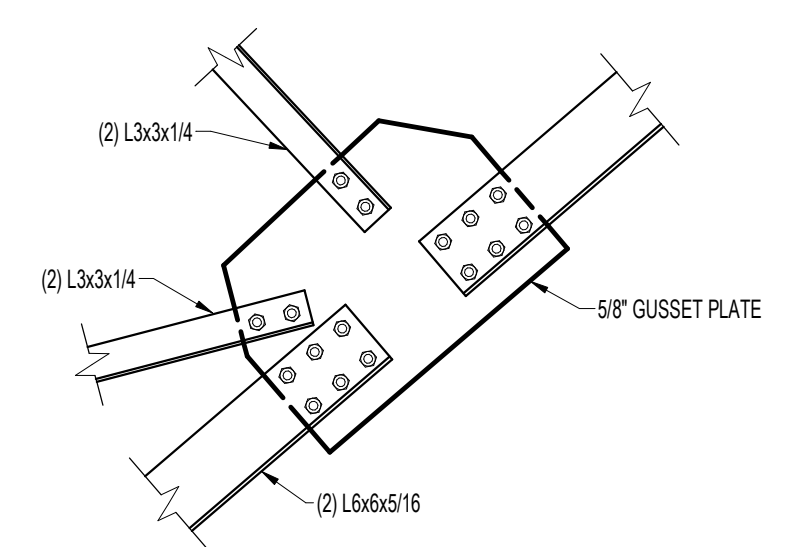
2 S402 TRUSS T3 JOINTS A & C



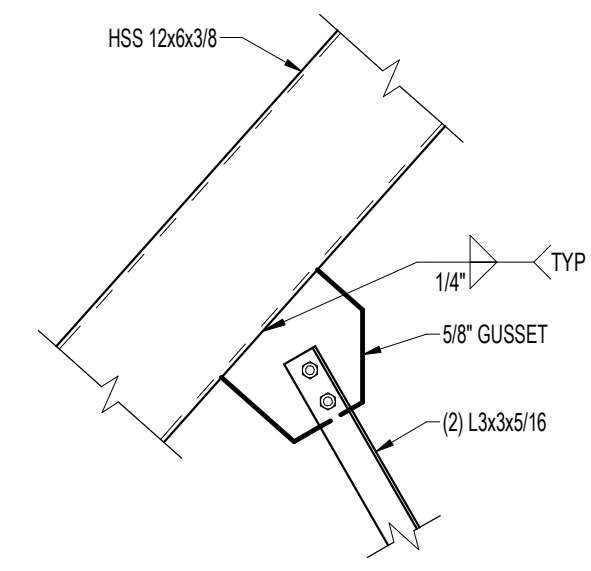
3 S402 TRUSS T3 JOINT B



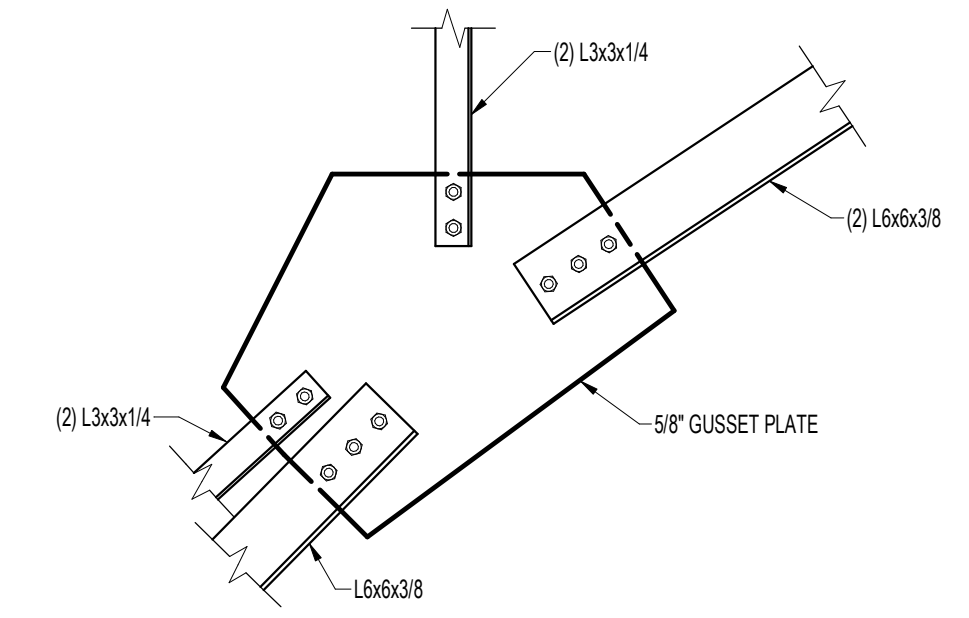
4 S402 TRUSS T3 JOINTS D & H



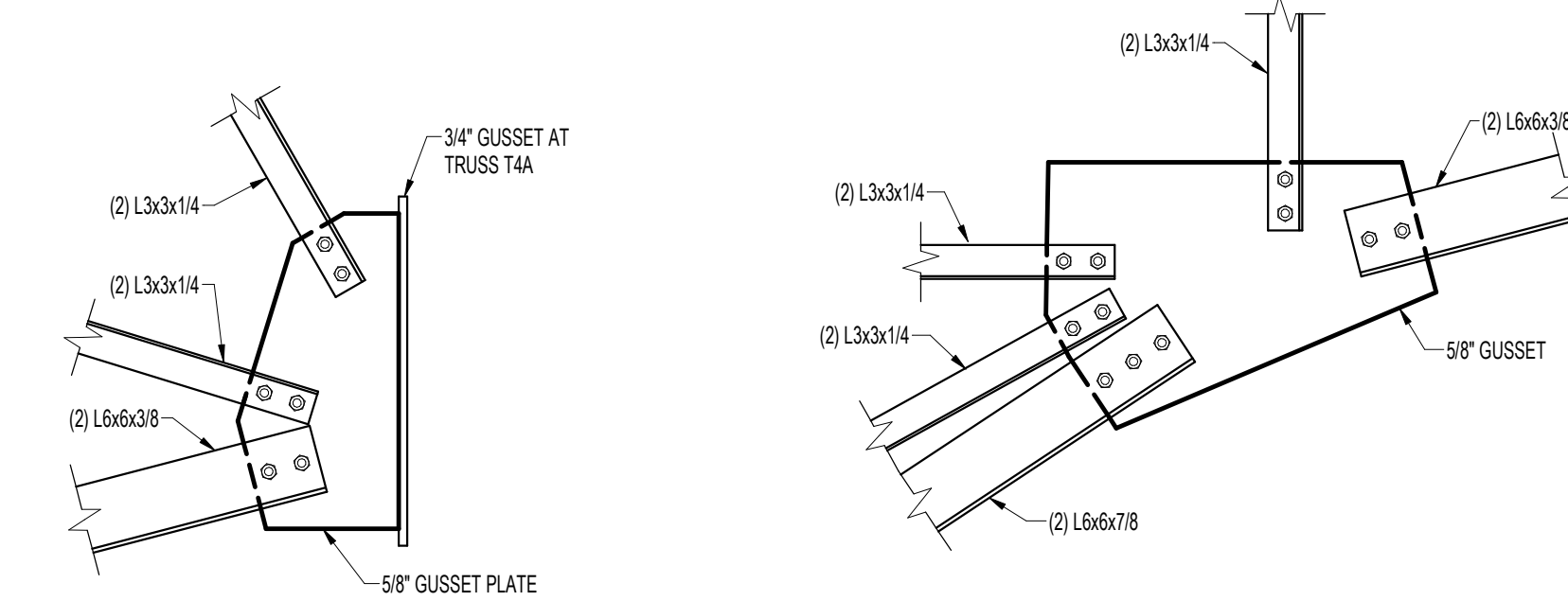
5 S402 TRUSS T3 JOINTS E & G



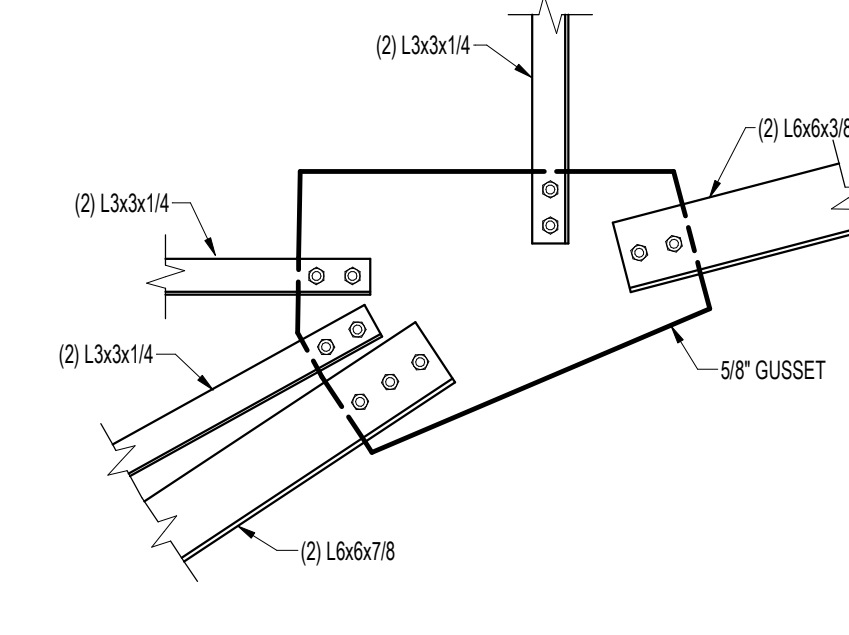
31 S403 TRUSS T4B JOINT J



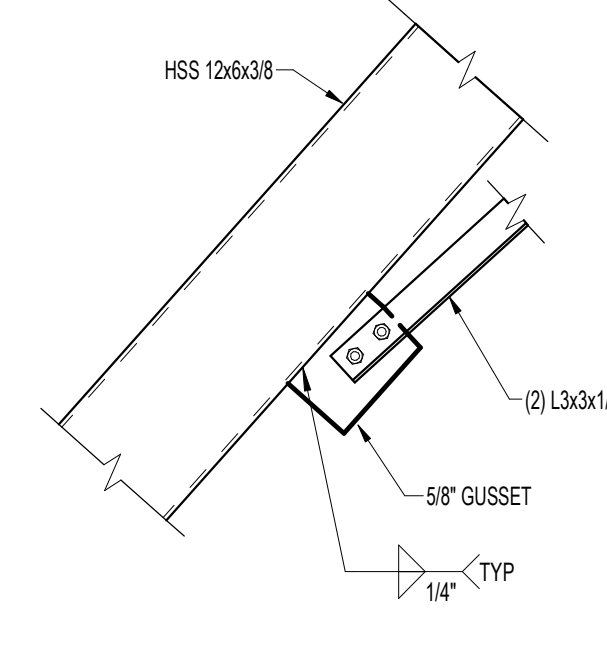
24 S403 TRUSS T4B JOINT C



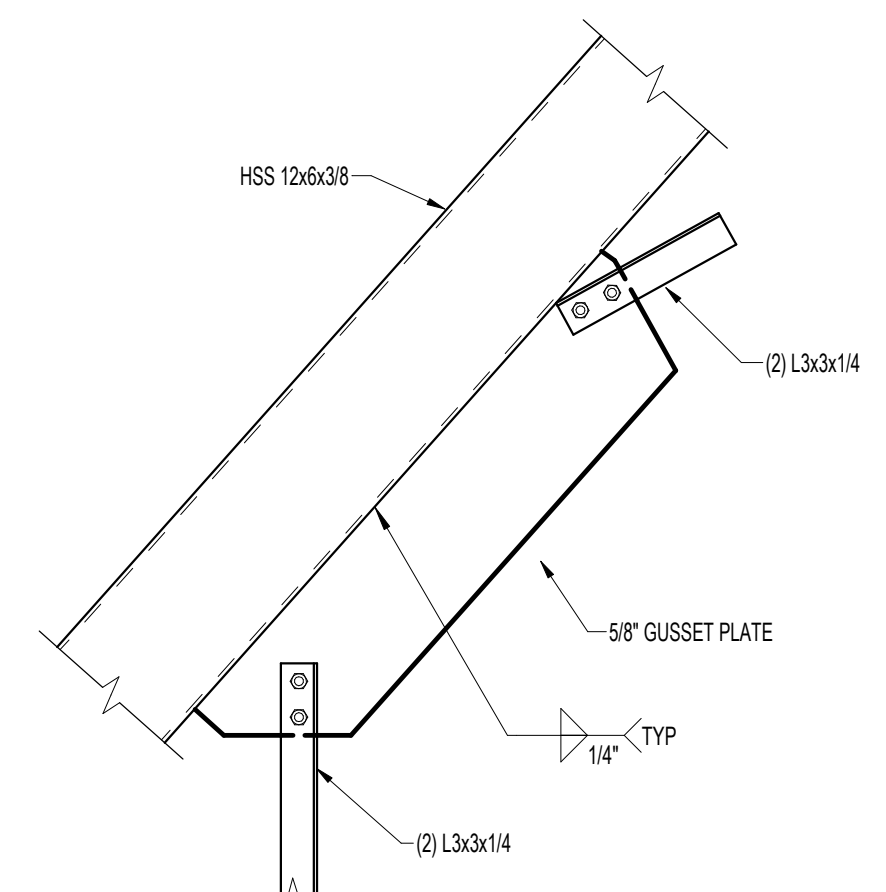
26 S403 TRUSS T4B JOINT E



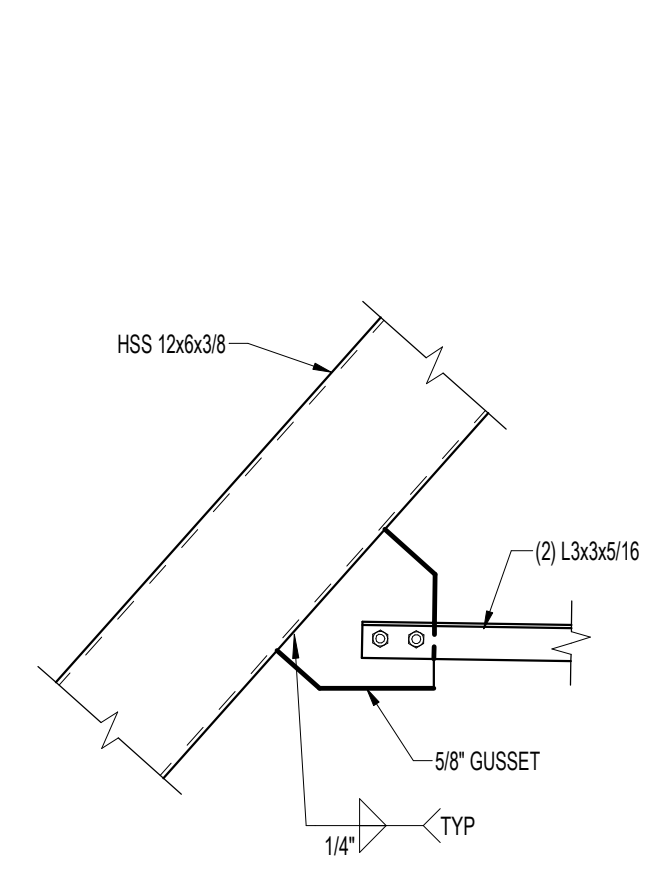
25 S403 TRUSS T4B JOINT D



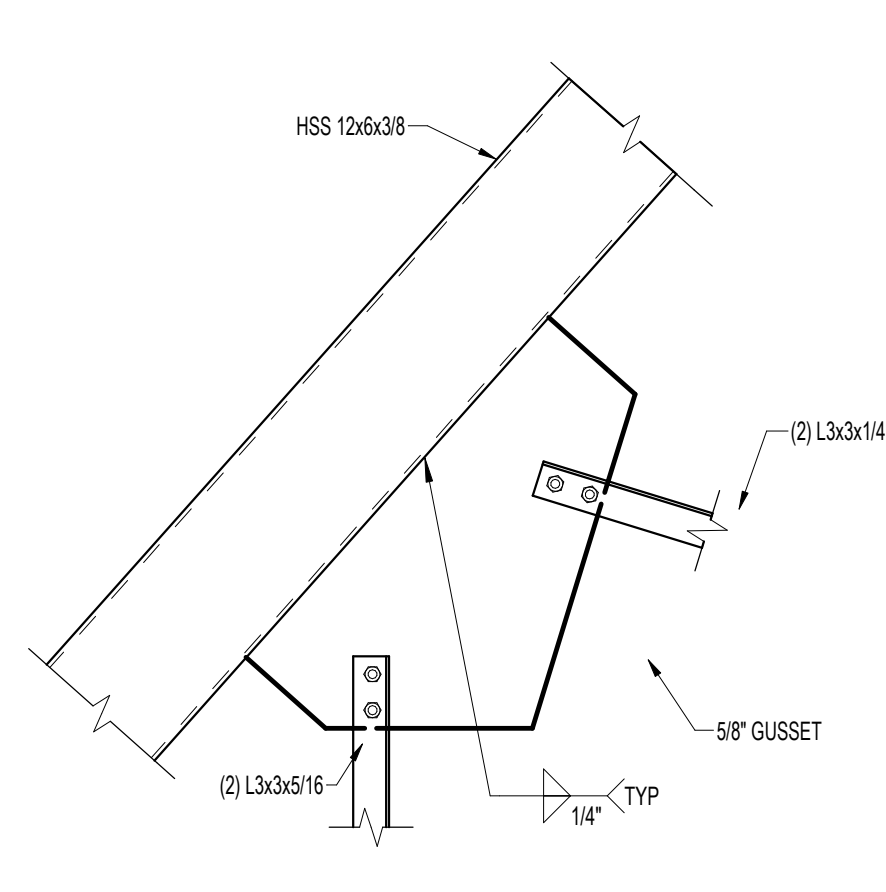
27 S403 TRUSS T4B JOINT F



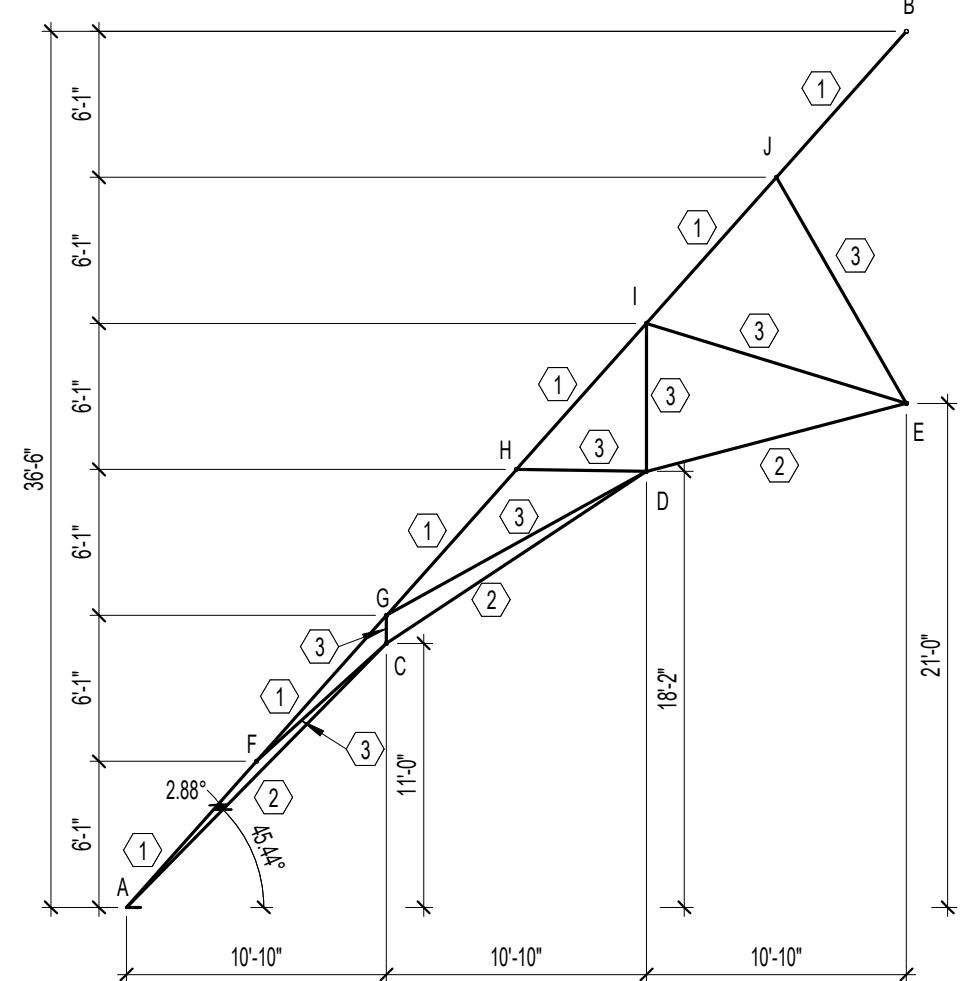
28 S403 TRUSS T4B JOINT G



29 S403 TRUSS T4B JOINT H

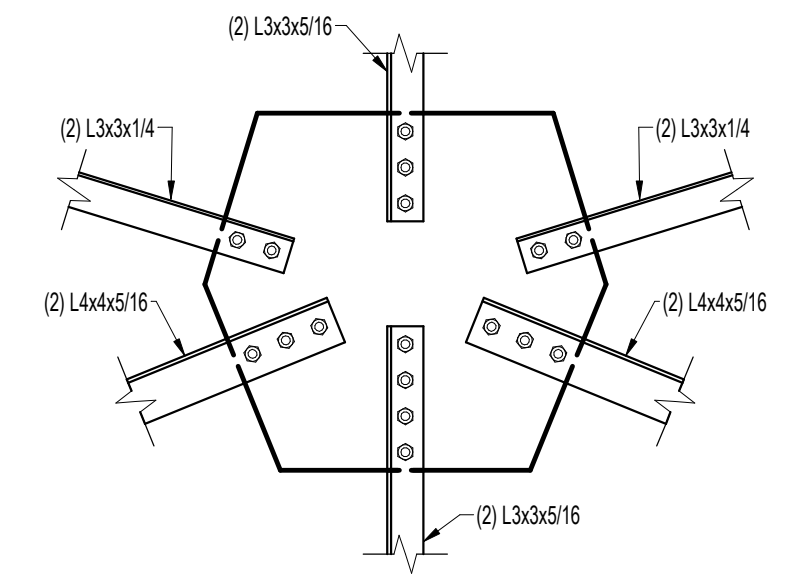


30 S403 TRUSS T4B JOINT I

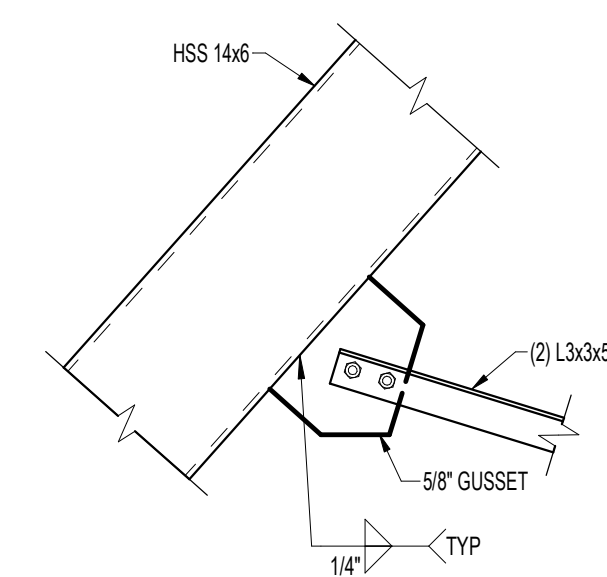


NOTE: PROVIDE 5/8\"/>

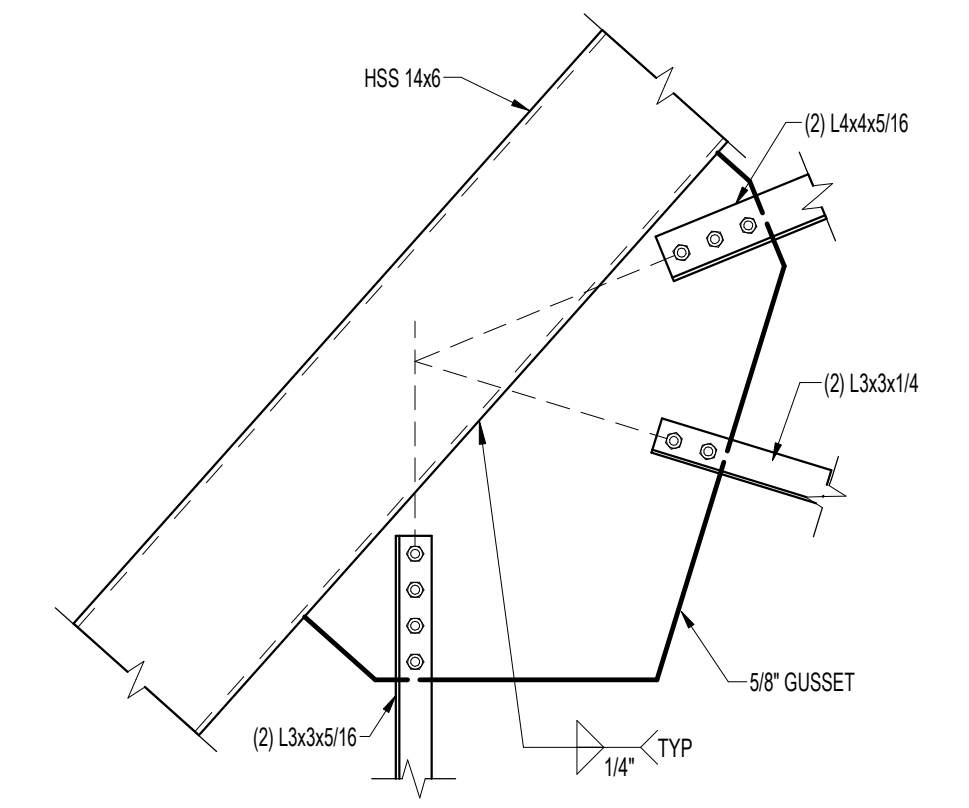
| MARK | SIZE |
|------|--------------|
| 1 | HSS 12x6x3/8 |
| 2 | L6x6x3/8 |
| 3 | L3x3x1/4 |



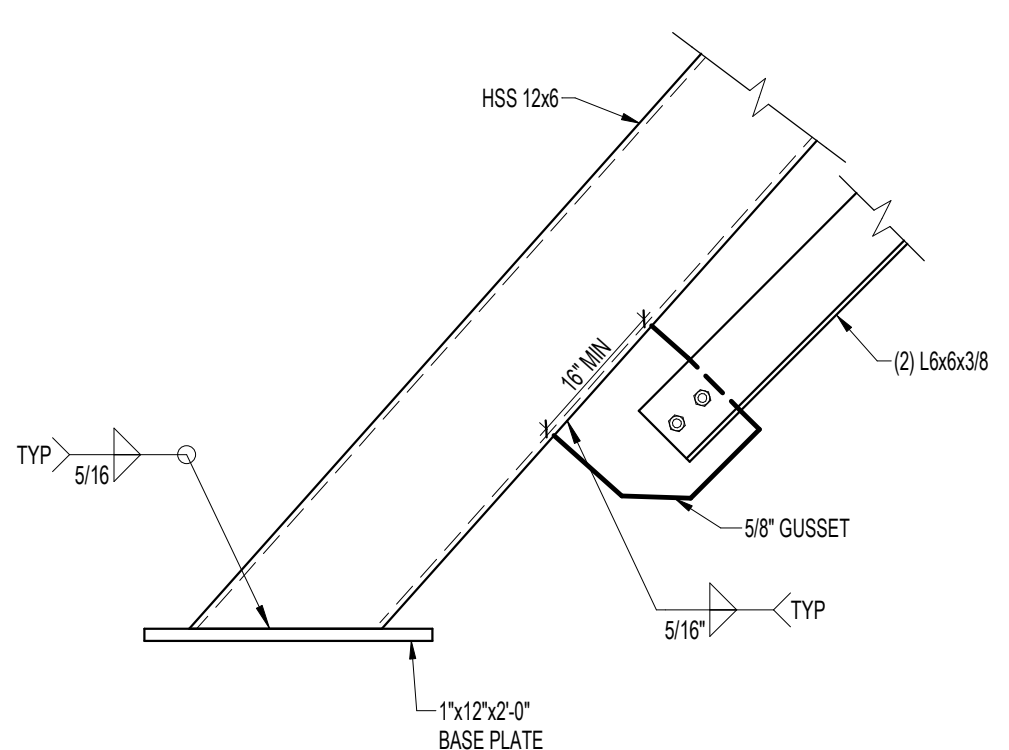
21 S403 TRUSS T4A JOINT S



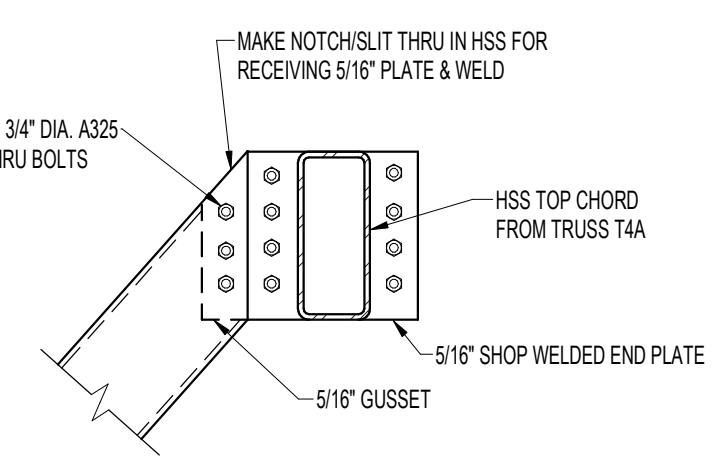
15 S403 TRUSS T4A JOINTS M & N



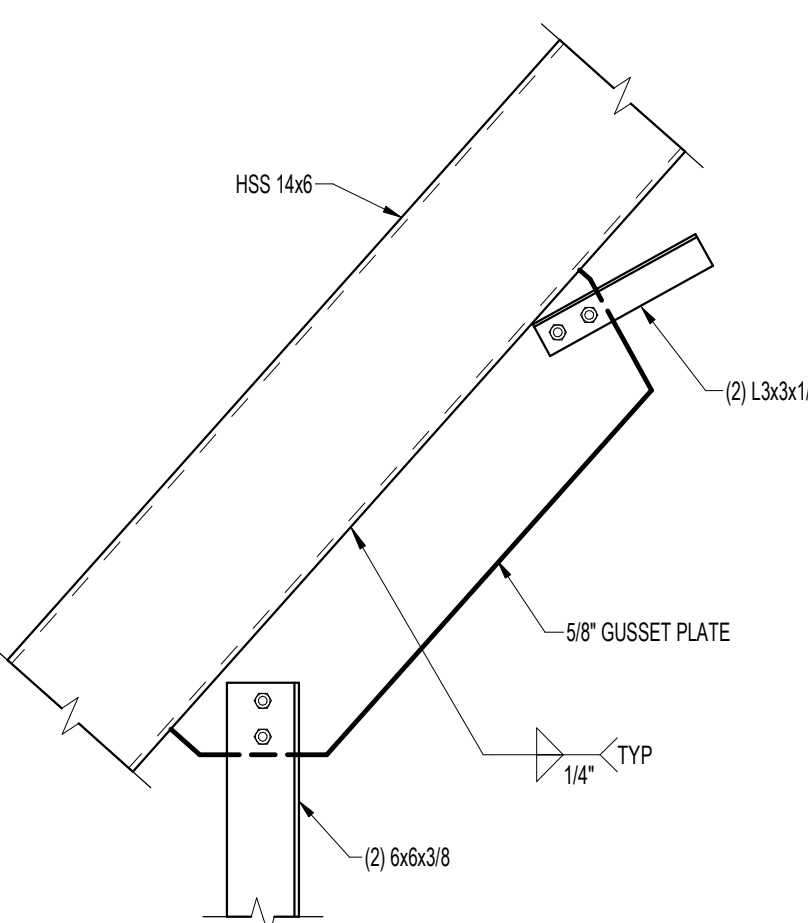
14 S403 TRUSS T4A JOINTS L & O



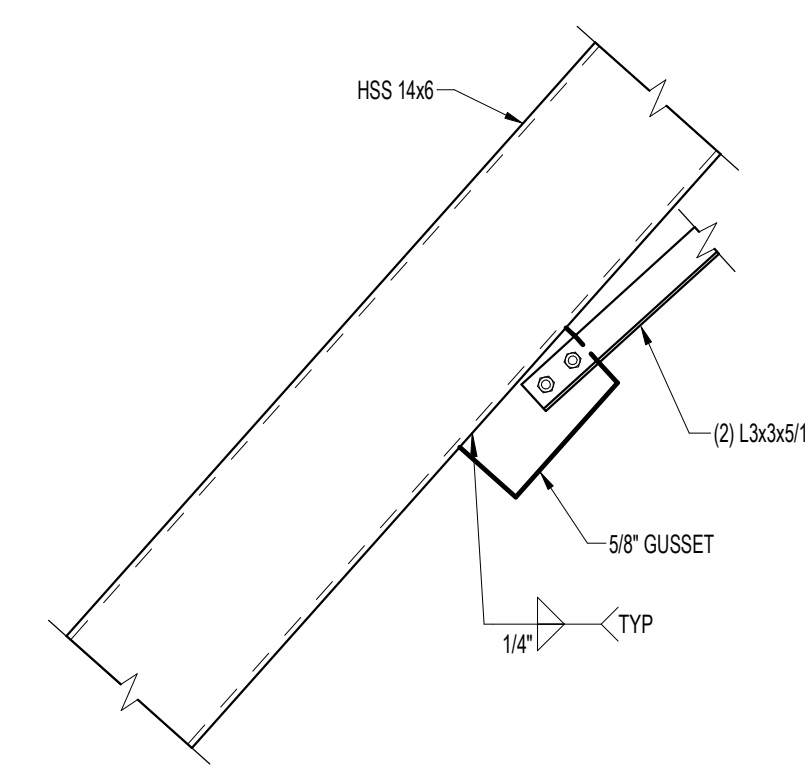
22 S403 TRUSS T4B JOINT A



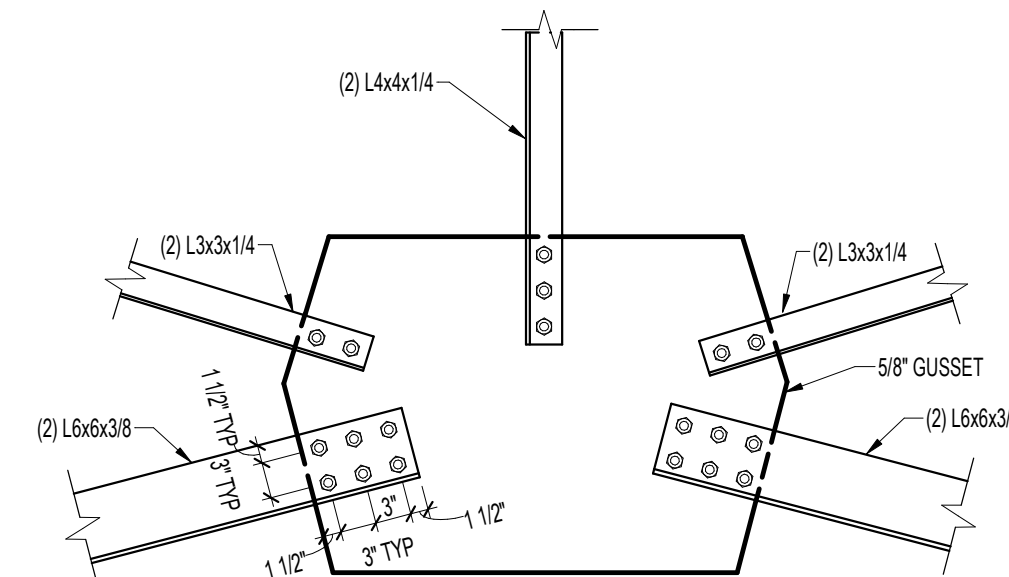
23 S403 TRUSS T4B JOINT B



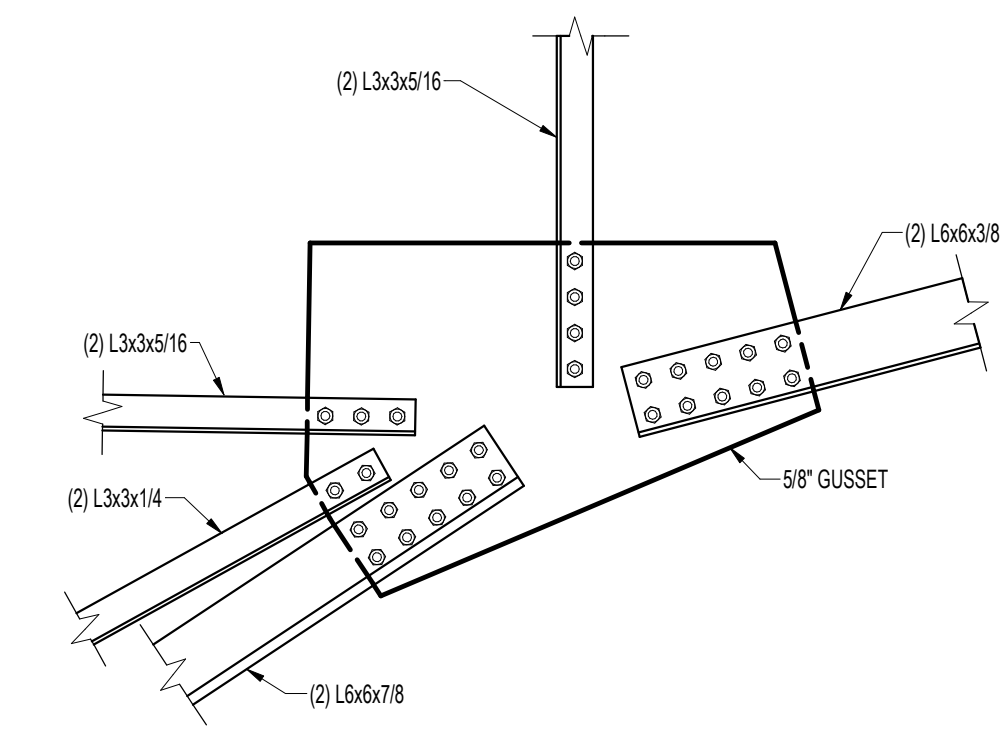
12 S403 TRUSS T4A JOINTS J & Q



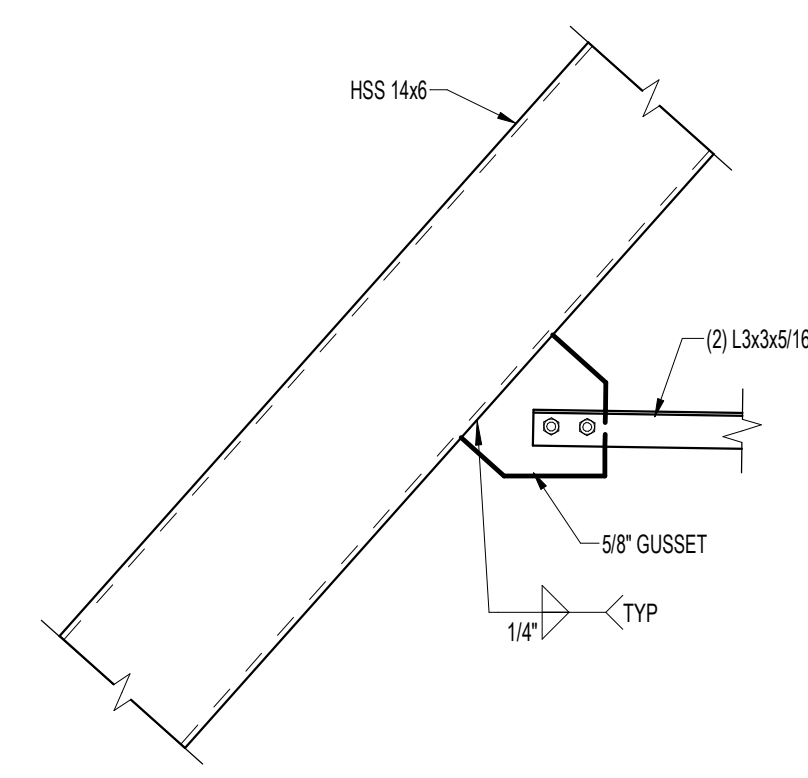
11 S403 TRUSS T4A JOINTS I & R



8 S403 TRUSS T4A JOINT F



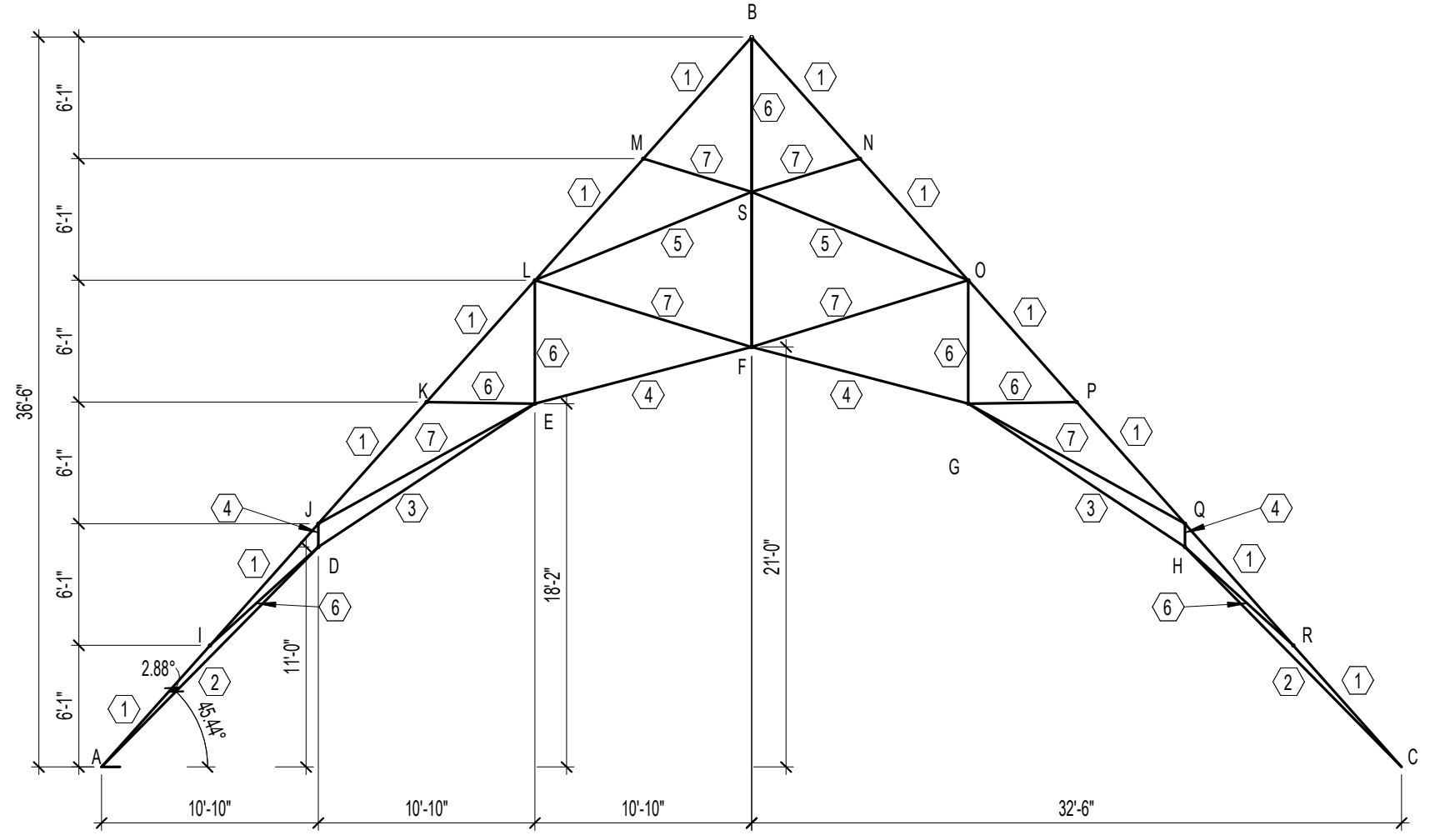
7 S403 TRUSS T4A JOINTS E & G



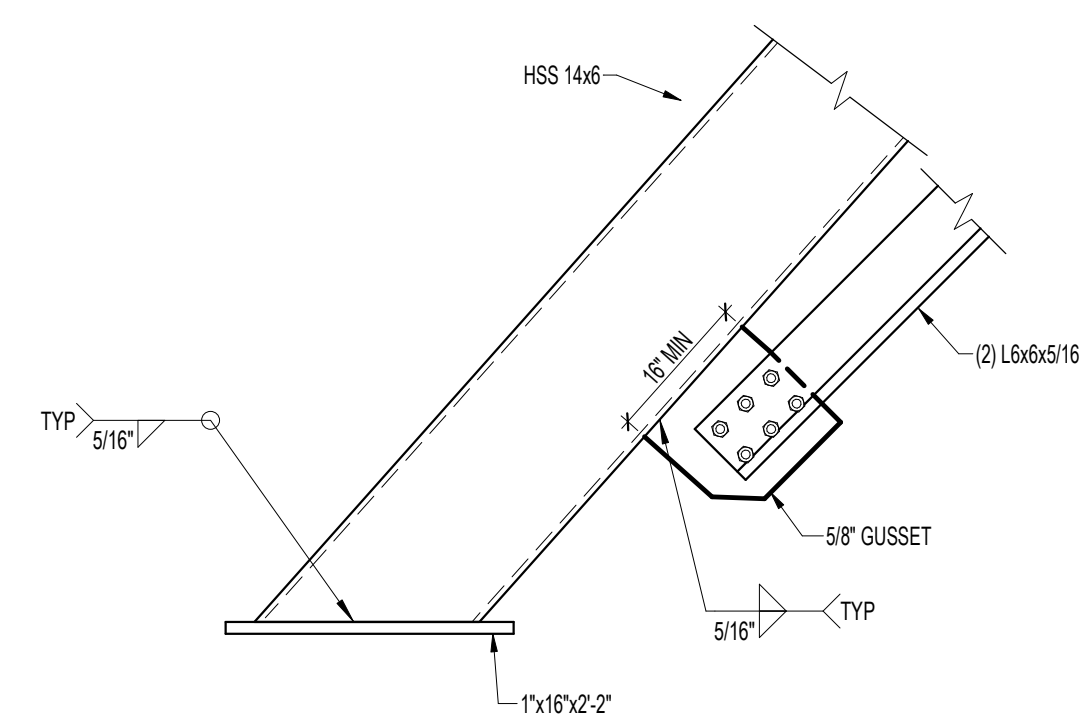
13 S403 TRUSS T4A JOINTS K & P

NOTE: PROVIDE 5/8\"/>

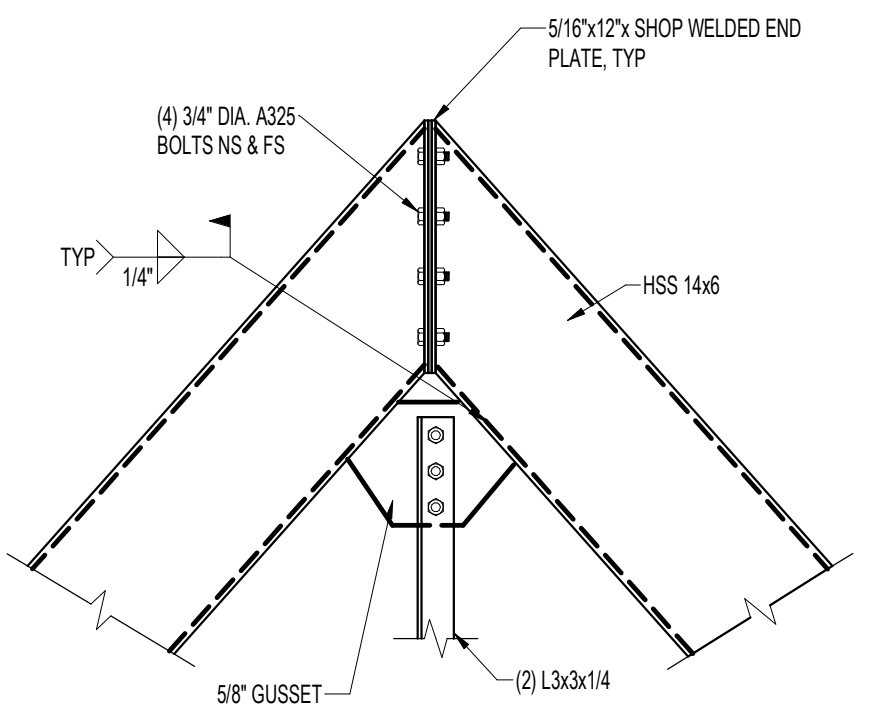
| MARK | SIZE |
|------|--------------|
| 1 | HSS 14x6x3/8 |
| 2 | L6x6x1 |
| 3 | L6x6x7/8 |
| 4 | L6x6x3/8 |
| 5 | L4x4x5/16 |
| 6 | L3x3x5/16 |
| 7 | L3x3x1/4 |



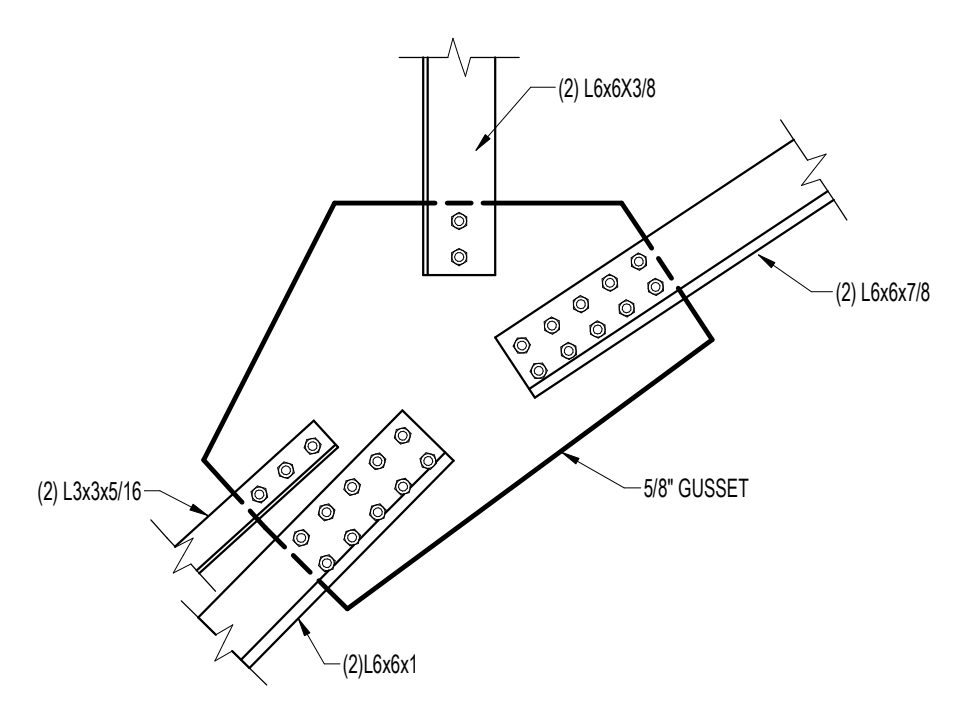
1 S403 TRUSS T4A



3 S403 TRUSS T4A JOINTS A & C



4 S403 TRUSS T4A JOINT B



6 S403 TRUSS T4A JOINTS D & H