



SOUTHFIELD • DETROIT

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BULLETIN #2

DATE June 21, 2018

PROJECT NAME Saint Kenneth Catholic Church
Worship Space Addition & Renovation

PROJECT NUMBER 2014166

DISTRIBUTION Via Email

- A. This form is being issued after contract award and includes drawings, sketches, text and other information used to solicit a proposal for a change in the work. This bulletin, or portions thereof, become part of the contract documents only after being incorporated in a formal change order.
- B. The following documents are issued for and become part of this Bulletin:
 - Drawings: A201, A202, A322, A402, A411, A521, A522, A571, A601, A901, S102, S700, E000 and EL200
 - Sketches: NA
- C. No other documents have been revised or are being reissued for this Bulletin. Refer to the existing documents, previous revisions (if any) and the following text of descriptions of the modified work. Contact the Architect if further clarification or information is required.
- D. The titles following each item are for reference only. The work entailed may affect trades other than those referenced in the title. Quote all required work.
- E. Provide an itemized breakdown for each item and sub-item of work. Include labor and material costs.

ARCHITECTURAL DRAWINGS

Item No. 1 – Wood Window System Exit Sign Details **Refer to Drawings A411, A571, A601, A901**

- A. Detail clarification showing conduit routing and installation of exit signs at doors 110A and 110B

Item No. 2 – Structural Grid Clarification **Refer to Drawing A201**

- A. Clarification of column line spacing

Item No. 3 – Wood Deck Support **Refer to Drawing A202, A522**

- A. Added wood decking detail, 14/A522, above soffit below column line A.5. for clarification.
- B. See Structural for added steel beam support.

BULLETIN #2

Our Lady of Good Counsel
Gymnasium and Sunday school addition
2013189
June 21, 2018
Page 2

Item No. 4 – Wood Timber Dimension Clarifications
Refer to Drawing A202, A322,

- A. Clarification on wood timber framing locations on reflected ceiling and rood plan.

Item No. 5 – Drawing Clarifications
Refer to Drawing A402, A411, A521, A601

- A. Updated opening in screen walls to coordinate with plan locations on A402.
- B. Additional dimensions provided on detail 14/A521
- C. Dimension clarification on wood window system on A411, and A601

STRUCTURAL DRAWINGS

- A. See attached Structural narrative.

ELECTRICAL DRAWINGS

- A. See attached Electrical narrative

End of Bulletin #2

Bulletin Number 2

Date: June 21, 2018, 2017
Name of Project: St. Kenneth Church Renovation
Architects: Neumann Smith Architecture

DNCE Project No: 8935

Bulletin number 2 consists of sheet S102 and S700:

S102 Roof Framing Plan

- Added a beam W 8X15 from column line 5 to column line 6.14 between A.5 and B
- Moved a beam W 8X15 near column lines 5, 6.14, and A.5
- Added a note describing the miscellaneous steel to be used in conjunction with toilet partitions
- Added the following note regarding spacing between grid lines "For Dimensions See Arch."

S700 General Sections and Details

- Modified section K10/S700 to show W8x15 beam

Bulletin #2 Write-up

PROJECT: St. Kenneth Church Addition & Renovation
SES PROJECT NO: 17.0244.06
DATE: June 21, 2018

THIS IS NOT A CHANGE ORDER FOR THE WORK. Contractor shall not proceed with this work until receipt of a Change Order, unless so directed in writing by the Owner.

This Bulletin is issued after the Contract award to obtain a completely itemized breakdown quotation from the Contractor for changes in the Work in accordance with the General Conditions for the approval by the owner and Architect/Engineer.

When submitting a quotation, break down the prices according to items listed in this Bulletin. Payment will be made in accordance with the method of payment described in the Contract Documents according to a quotation submitted after the approval by Owner and Architect/Engineer.

All requirements contained in the Contract Documents shall apply to this Bulletin. All incidental work necessary to complete the Work shall be included in the Contractor's quotation even though not particularly mentioned. Parts of the Specifications and Drawings referred to herein supersede previously issued data and form a part of this Bulletin.

The final completion date for the project is not to be affected by reason of this Bulletin.

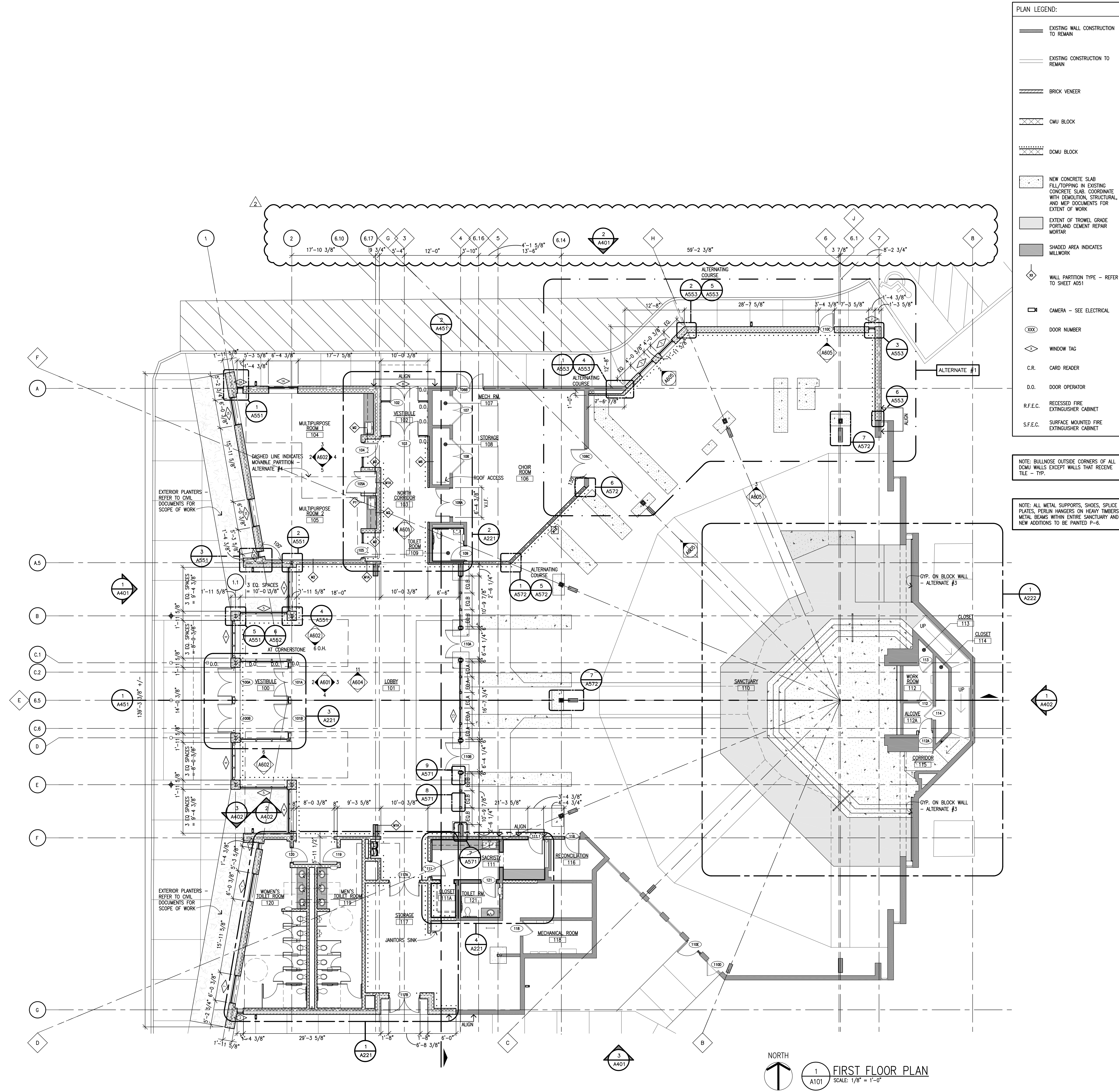
Drawings issued: E000, EL200

Electrical Drawings:

- Item No. 1. Refer to sheet E000 (re-issued):
- A. Added fixture type X3 to the luminaire schedule.
 - A. Refer to sheets EL200
 - B. Shifted fixtures in the Lobby as indicated due to structural framing revisions.
 - C. Changed exit light fixtures from sanctuary to lobby to type X3.
 - D. Broke linear runs of FB fixtures on both sides of the lobby to accommodate structural columns.



**St. Kenneth
Catholic Church**
Worship Space
Addition & Renovation
Plymouth Township, Michigan



Revisions

06.21.2018 - Bulletin #2
02.16.2018 - Issued for Bids
11.22.2017 - Design Development

Date	10.18.2017	Construction
Drawn	MAC	Record
Checked	SEC	Do not scale
Approved	SEC	Use figured dimensions only

Bidpak Number
Job Number
2014166
Title
First Floor Plan

Scale: 1/8" = 1'-0"
Sheet
A201



06.21.2018 - Bulletin #2
02.16.2018 - Issued for Bids
11.22.2017 - Design
Development
05.26.2017 - Schematic
Design

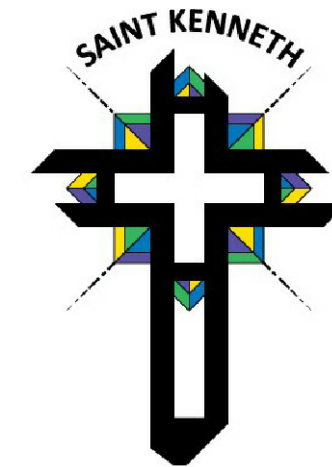
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02.28.2017	☐ Construction
Drawn	☐ Record
mac	
Checked	Do not scale
SEC	Use figured dimensions only
Approved	
SEC	
Bidpak Number	

Job Number
2014166

Title
Roof Plan

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

Sheet
A202



**St. Kenneth
Catholic Church**
Worship Space
Addition & Renovation
Plymouth Township, Michigan

CEILING LEGEND:

- GYPSUM BOARD ON METAL SUSPENSION SYSTEM - PAINT
- EXPOSED WOOD DECKING
- (ACT-1)
2' x 2' LAY-IN REGULAR ACOUSTICAL CEILING TILES IN METAL SUSPENSION SYSTEM
- X-X" CEILING HEIGHT A.F.F.
- RECESSED DOWNLIGHT
- SUSPENDED PENDANT FIXTURE
- LINEAR STRIP LIGHT FIXTURE
- SUSPENDED STRIP LIGHT FIXTURE
- CEILING MOUNTED LINEAR PENDANT LIGHT FIXTURES
- 2' x 4' RECESSED FIXTURE
- EXISTING LIGHT FIXTURE
- MANUAL ROLLER SHADES
- CEILING FAN
- 3 POINT LIGHT
- SCONCE
- SPEAKER BY OWNER- VERIFY EXACT LOCATION IN FIELD
- C.J. CONTROL JOINT

GENERAL RCP NOTES:

- REFER TO MECHANICAL AND ELECTRICAL DOCUMENTS FOR MORE INFORMATION
- CENTER ALL CEILING TILES AND GRIDS WITHIN SPACES AND ROOMS UNLESS NOTED OTHERWISE
- CENTER ALL SPRINKLER HEADS WITHIN CEILING TILES
- COORDINATE GYPSUM BOARD CONTROL JOINTS LOCATIONS WITH ARCHITECT IN THE FIELD PRIOR TO INSTALLATION
- PAINT ALL SOFFITS AND BULKHEADS

NOTE:
ALL EXISTING LIGHT FIXTURES TO BE A ONE FOR ONE REPLACEMENT UNLESS NOTED OTHERWISE.

Revisions

06.21.2018 - Bulletin #2
02.16.2018 - Issued for Bids

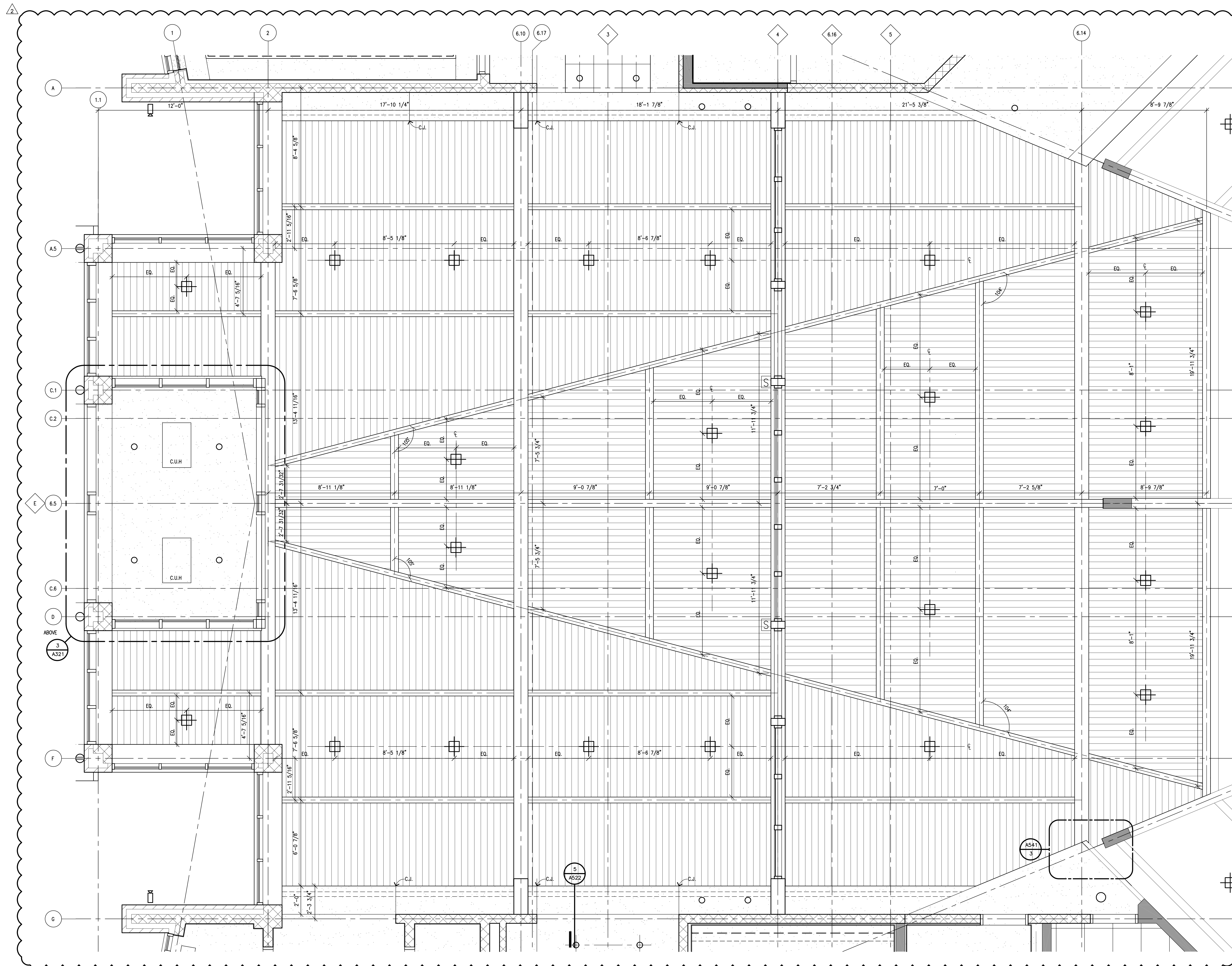
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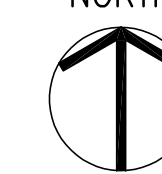
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Use figured
dimensions only

Job Number
2014166
Title
Enlarged Plans

Scale: 3/8" = 1'-0"
Sheet
A322



NORTH



1 ENLARGED PLAN
A301 SCALE: 3/8" = 1'-0"
A301.1



**St. Kenneth
Catholic
Church**
Worship Space
Addition & Renovation
Plymouth Township, Michigan

ELEVATION KEYNOTES:

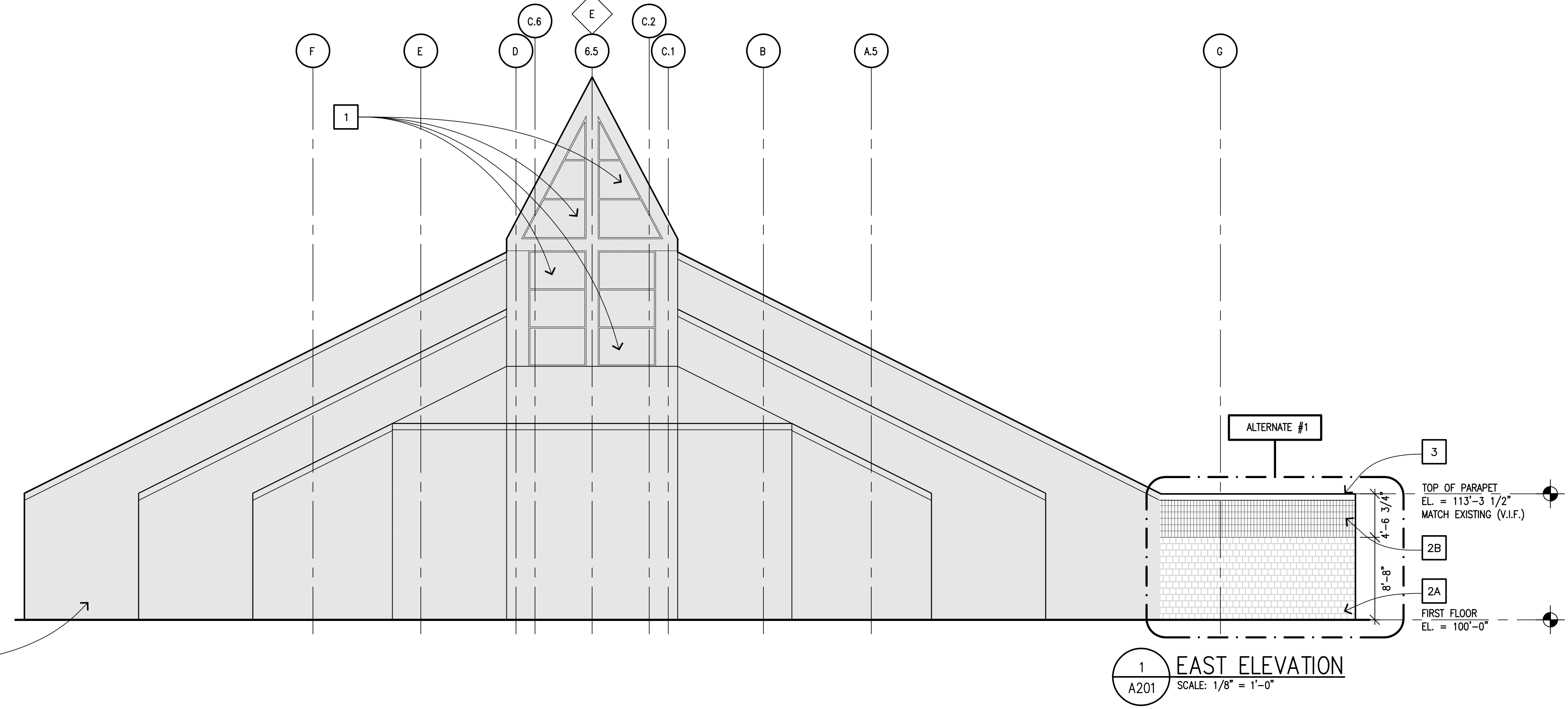
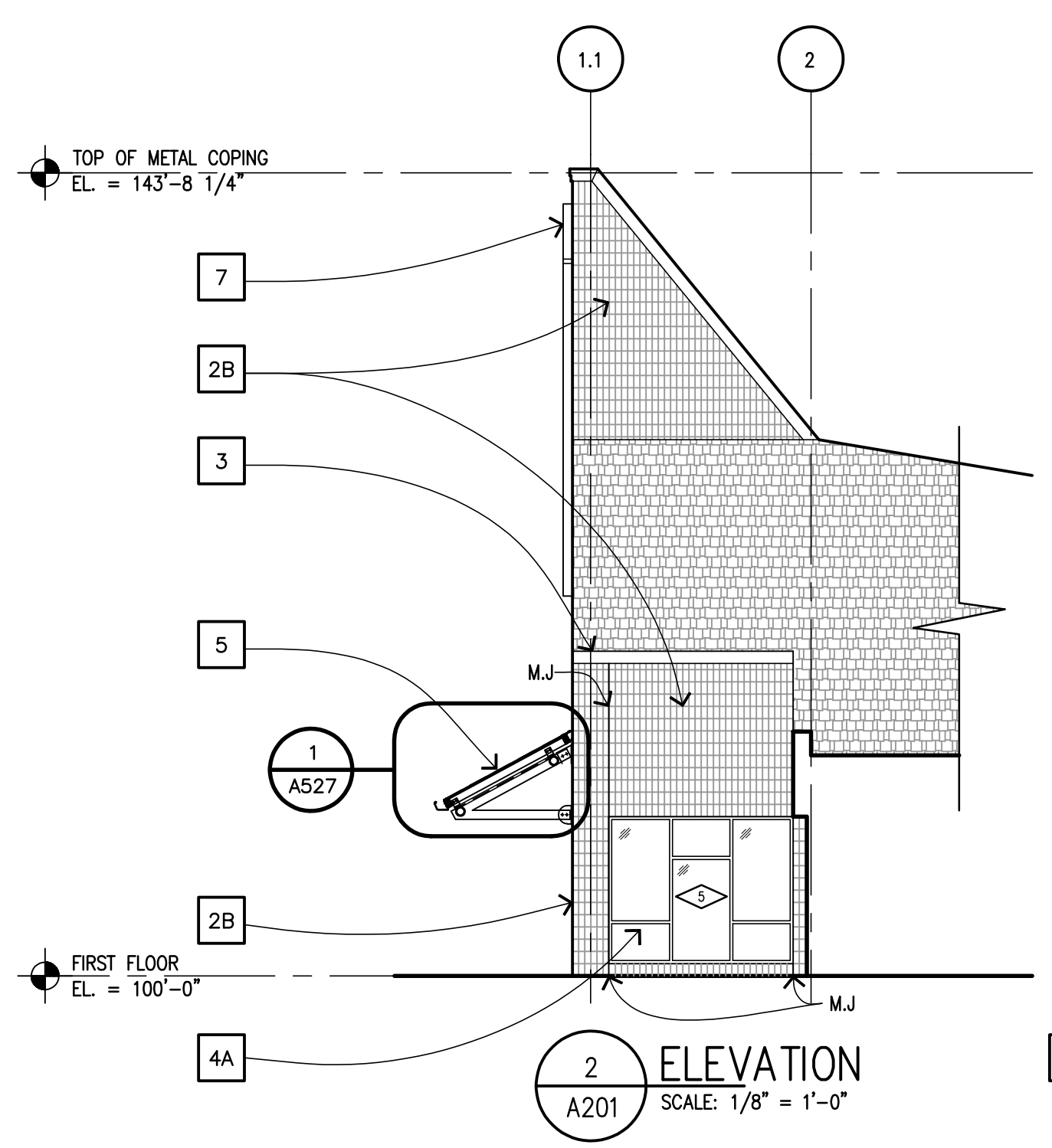
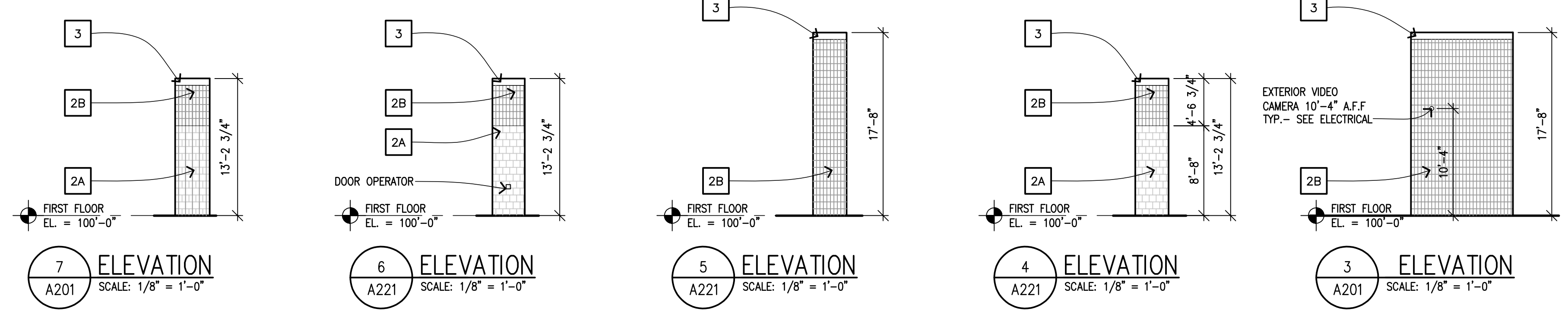
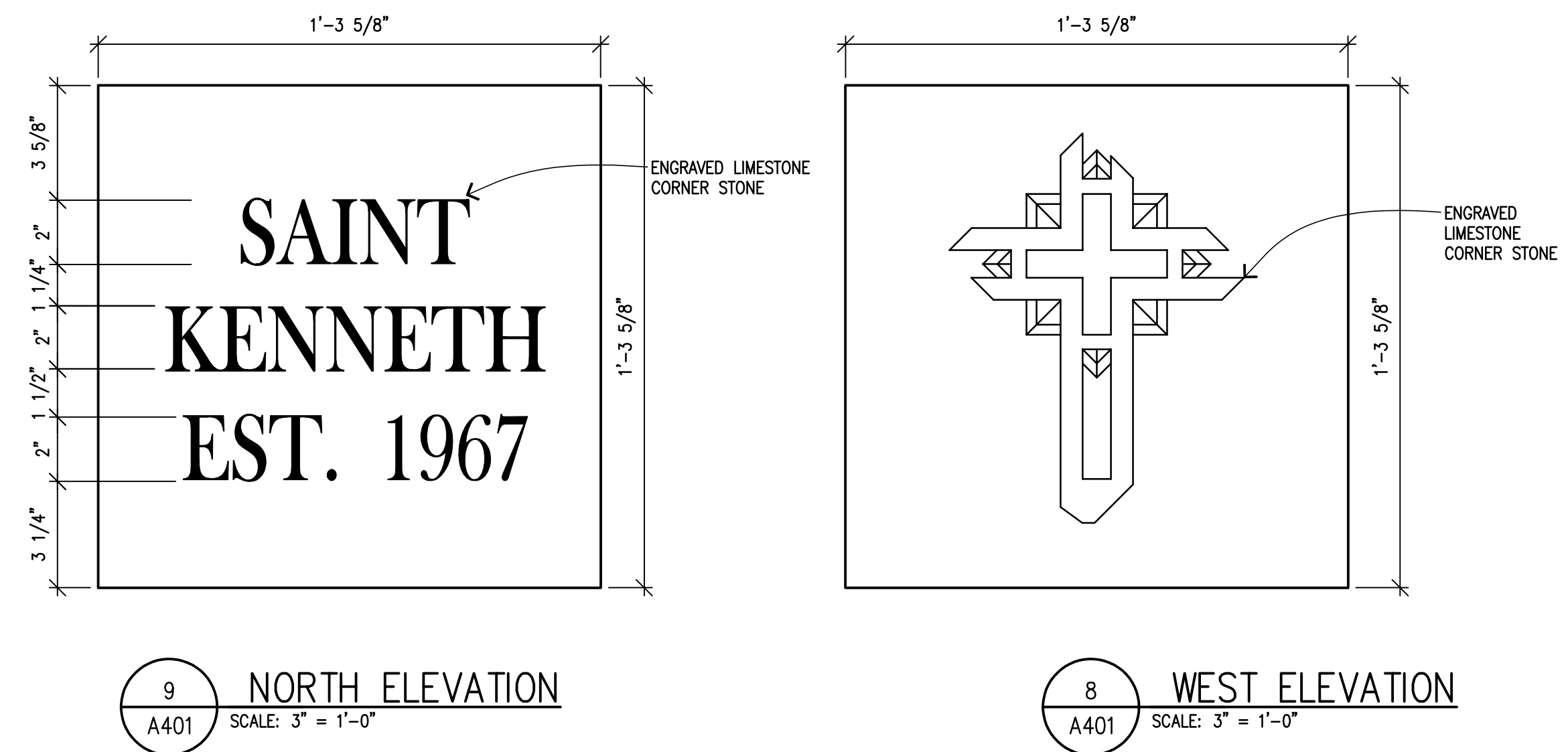
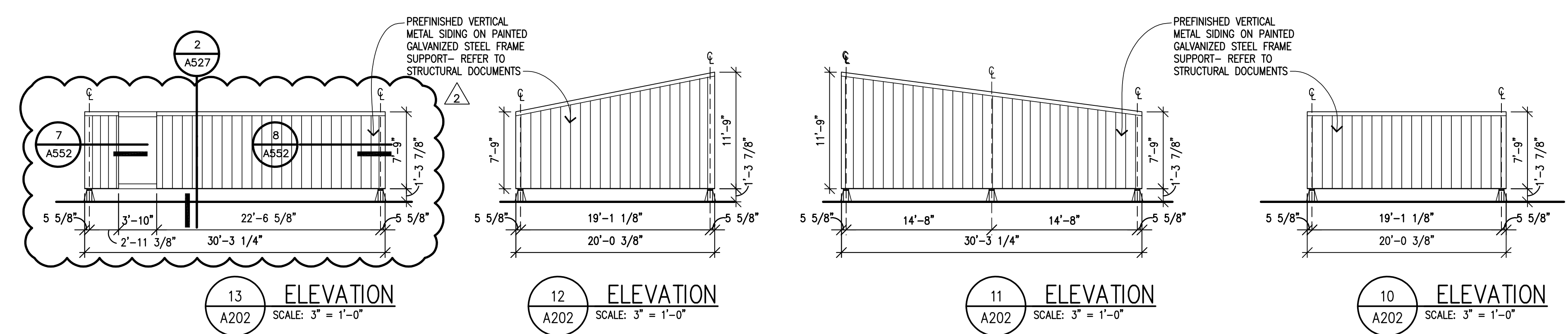
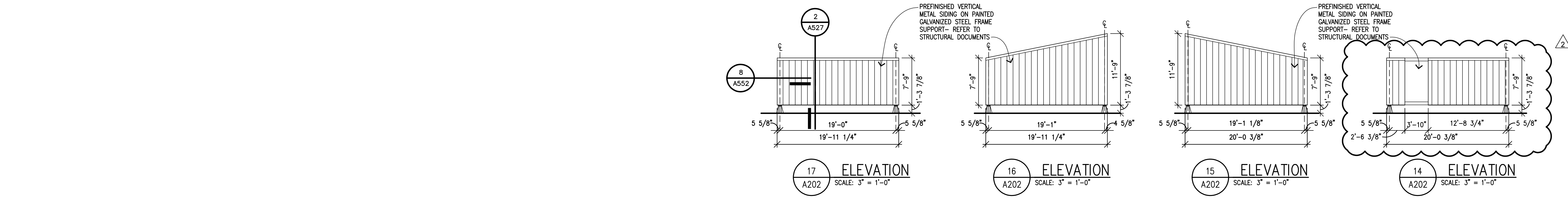
- 1 EXISTING CONSTRUCTION TO REMAIN.
- 2 SALVAGED BRICK VENEER
- 2A NEW BRICK VENEER- BRICK A
- 2B NEW BRICK VENEER- BRICK B
- 3 NEW PRE-FINISHED METAL COPING.
- 4A NEW STOREFRONT FRAMING SYSTEM. SEE WINDOW SCHEDULE
- 4B NEW CURTAIN FRAMING SYSTEM. SEE WINDOW SCHEDULE
- 4C NEW INSULATED STAIN GLASS. SEE WINDOW SCHEDULE - ALTERNATE #2
- 5 GLASS CANOPY SHOWN DASHED. SEE SECTIONS FOR DETAILS
- 6 PRE-FINISHED METAL PANEL SYSTEM
- 7 CLEAR ANODIZED ALUMINUM CROSS
- 8 NEW EXTERIOR LIGHTS
- 9 NEW DOOR RETURN TO DOOR SCHEDULE
- ◇ WINDOW TYPE - SEE A411

WINDOW LEGEND

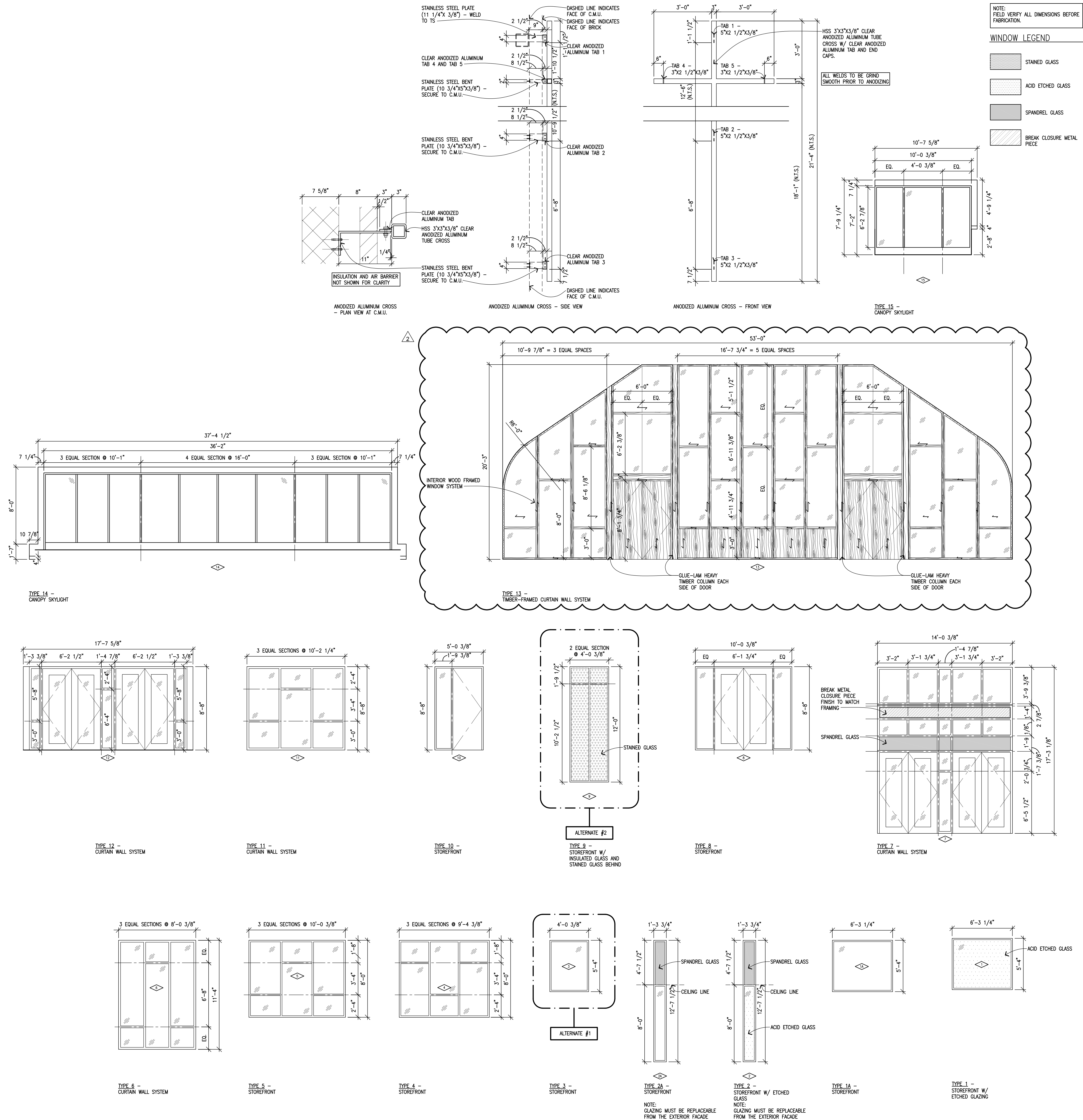
- STAINED GLASS
- ACID ETCHED GLASS
- SPANDREL GLASS

EXTERIOR MAINTENANCE

1. PROVIDE CLEANING FOR ALL EXISTING MASONRY TO REMAIN
2. PROVIDE AN ALLOWANCE FOR TUCK POINTING OF EXISTING MASONRY FOR 500 S.F. OF MASONRY IN BASE BID AND AN UNIT PRICING PER SQ.FT OF TUCK POINTING BEYOND THE 500 S.F. FT.
3. REMOVE AND REPLACE ALL EXISTING SEALANT JOINTS ON THE EXISTING BLDG. TO REMAIN. JOINT REPLACEMENT TO INCLUDE BUT IS NOT LIMITED TO MASONRY CONTROL/ MOVEMENT JOINTS, WINDOW PERIMETER SEALANT, SIDEWALKS TO BLDG. JOINTS, ETC.
4. PROVIDE MASONRY SEALER ON ALL EXISTING EXTERIOR MASONRY TO REMAIN AFTER CLEANING. SEE PROJECT SPECIFICATIONS.



Revisions

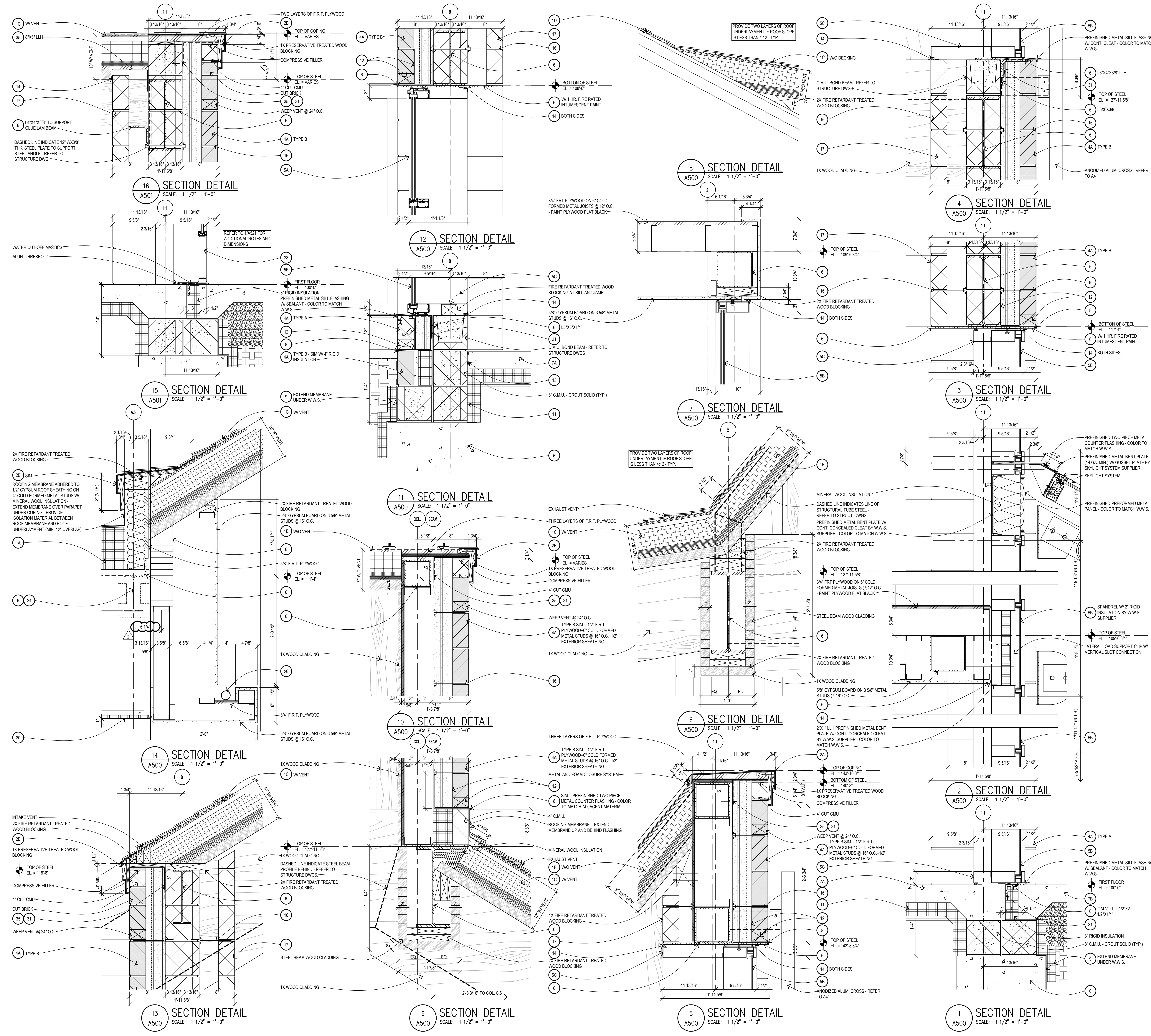


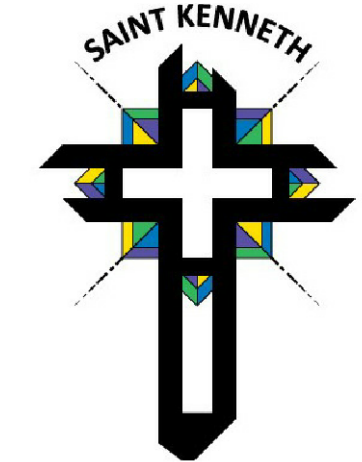
	FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE OVER TWO LAYERS OF ROOF INSULATION ON ROOF DECK. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
18	FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE TWO LAYERS OF ROOF INSULATION ON EXISTING 3/4" PLYWOOD SHEATHING ON EXISTING ROOF TRUSSES. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
19	ASPHALT SHINGLES ON ROOF. UNDERLAMENT MEMBRANE ON NAIR BASE INSULATION ON 1" POLYSTYROVARIATE INSULATION 3/4" OSB ON 3" HEAVY TIMBER 2x6 DECKING.
20	ASPHALT SHINGLES ON ROOF. UNDERLAMENT MEMBRANE ON EXISTING 1 1/2" NAIR BASE INSULATION.
21	PREFINISHED METAL STANDING SEAM ROOFING. 15 HIGH TEMPERATURE ROOF UNDERLAMENT MEMBRANE ON NAIR BASE INSULATION ON 1" POLYSTYROVARIATE INSULATION ON 3/4" OSB ON 3" HEAVY TIMBER 2x6 DECKING.
22	PREFINISHED METAL CORPING WITH CONCEALED SPURCE PLATE AT JOINTS AND CONTINUOUS CLEAT FOR CONCEALED ATTACHMENT. PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
23	PREFINISHED METAL Drip WITH CONCEALED SPURCE PLATE AT JOINTS AND CONTINUOUS CLEAT FOR CONCEALED ATTACHMENT. PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
34	CONTINUOUS RIDGE VENT
35	CONTINUOUS EAVE VENT
41	4" (NOM) BRICK VENEER ON AIR SPACE ON 3" SPRUNDED POLYSTYRENE FOAM INSULATION ON REINFORCED C.M.U./O.C.M.U. (SEE STRUCTURAL).
46	4" (NOM) BRICK VENEER ON AIR SPACE ON 2" RIGID INSULATION ON REINFORCED C.M.U./O.C.M.U. (SEE STRUCTURAL).
54	PREFINISHED ALUMINUM STOREFRONT WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
55	PREFINISHED ALUMINUM CURTAINWALL WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
56	PREFINISHED 1/8" THICK ALUMINUM FRAME EXTENSION PROVIDED BY WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE. WINDOW SYSTEM AND INSTALLED WITH CONCEALED CLAT ATTACHMENT.
6	REFER TO STRUCTURAL DOCUMENTS FOR COLUMNS, BEAMS, OTHER SHAPES, CONTINUED FOUNDATIONS. REFER TO SPECIFIC REINFORCING REQUIREMENTS.
7A	REINFORCED CONCRETE SLAB ON VAPOR BARRIER OVER COMPACTED GRANULAR FILL. REFER TO STRUCTURAL DOCUMENTS FOR THICKNESS AND REINFORCING.
7B	EXTERIOR REINFORCED CONCRETE SUPPORTED SLAB ON 12" (MIN) PEA STRUT. REFER TO STRUCTURAL DOCUMENTS.
7C	EXTERIOR REINFORCED CONCRETE SLAB ON COMPACTED SAND FILL - REFER TO CIVIL DOCUMENTS.
8	FLASHING WITH ST. STEEL Drip EDGE - EXTEND 12" BEYOND FACE OF MASONRY/UNIT. ABOVE GRADE AND FLUSH WITH EXTERIOR FINISH TO MATCH WINDOW SYSTEM. PROVIDE TERMINATION BAR 8" (MIN) ABOVE Drip EDGE (TYP).
9	2" INSULATED TYPING PANEL ON WATERPROOFING OVER CONCRETE/CMU FOUNDATION - EXTEND WATERPROOFING 24" ABOVE F.F. (BEHIND STAINLESS STEEL FLASHING AND LAP MIN 8" OVER SFEAD FOOTING).
10	PERFORATED PERIMETER DRAIN TILE WITH PEA GRAVEL AND FABRIC FILTER SURROUND. REFER TO STRUCTURAL, STRUCTURAL FOUNDATION FOR LOCATIONS. REFER TO CIVIL AND MECHANICAL DOCUMENTS FOR INVERTS, PITCHES AND CONNECTIONS TO STORM SYSTEM.
11	3" THICK X 24" WIDE, RIDGE PERIMETER INSULATION. (U.N.O.) EXTEND HORIZONTALLY MIN. 24" & VERTICALLY MIN. 36" (U.N.O.).
12	CAVITY DRAINAGE MATERIAL, W/VEEP DRAIN @ MAX. 24" O.C.
13	12" PREMOULDED JOINT FILLER AND SEALANT.
14	CONTINUOUS SEALANT AND BACKER ROD - 3/8" U.N.O.
15	CMU HORIZONTAL JOINT REINFORCEMENT - REFER TO FLOOR PLANS FOR WALL TYPES AND STRUCTURAL DOCUMENTS.
16	ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY, STAGGERED - TYPICAL.
17	DMU/CMU PARTITION.
18	SOLID CMU BULLNOUSE UNIT - REFER TO FLOOR PLANS FOR WALL TYPES.
19	INTERIOR PARTITION - REFER TO FLOOR PLANS FOR WALL TYPES.
20	CEILING SYSTEM - REFER TO CEILING PLANS FOR TYPE AND ROOM FINISH SCHEDULE FOR HEIGHT.
21	SOUND ATTENUATING BATT INSULATION.
22	FIRE STOPPING SYSTEM.
23	FIRE RETARDANT TREATED WOOD BLOCKING.
24	1 HOUR SPRAY APPLIED FIRE PROOFING.
25	GROUT SOLID.
26	REFER TO ELECTRICAL DOCUMENTS.
27	REFER TO MECHANICAL DOCUMENTS.
28	REFER TO DOOR SCHEDULE.
29	GRADE - REFER TO CIVIL DOCUMENTS.
30	EXISTING CONSTRUCTION TO REMAIN.
31	DETAIL MEMBRANE.
32	WALL TILE ON SETTING SYSTEM ON REINFORCED C.M.U.
33	5/8" GYPSUM BOARD ON 7/8" NAT CHANNEL.
34	5/8" GYPSUM BOARD ON METAL STUD PARTITION AT 16" O.C.
35	16 GAUGE GALVANIZED BENT PLATE.

Revisions

Scale: 1-1/2" = 1'-0"

Sheet
A521





St. Kenneth Catholic Church
Worship Space Addition & Renovation
Plymouth Township, Michigan

KEYNOTES:

- 1A FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE OVER TWO LAYERS OF ROOF INSULATION ON METAL ROOF DECK. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
- 1B FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE OVER TWO LAYERS OF ROOF INSULATION ON EXISTING 3/4" PLYWOOD SHEATHING ON EXISTING ROOF TRUSSES. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
- 1C ASPHALT SHINGLES ON ROOF UNDERLAYMENT MEMBRANE ON NAIL BASE INSULATION ON 1" POLYSTYRENE INSULATION 3/4" OSB ON 3" HEAVY TIMBER T&G DECKING.
- 1D ASPHALT SHINGLES ON ROOF UNDERLAYMENT MEMBRANE ON EXISTING 1 1/2" NAIL BASE INSULATION.
- 1E PREFINISHED METAL STANDING SEAM ROOFING ON HIGH TEMPERATURE ROOF UNDERLAYMENT MEMBRANE ON NAIL BASE INSULATION ON 1" POLYSTYRENE INSULATION 3/4" OSB ON 3" HEAVY TIMBER T&G DECKING.
- 2A PREFINISHED METAL COPING WITH CONCEALED SPICE PLATE AT JOINTS AND CONCEALED GLEAT FOR CONCEALED ATTACHMENT. PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
- 2B PREFINISHED METAL DRIP EDGE WITH CONCEALED SPICE PLATE AT JOINTS AND CONCEALED GLEAT FOR CONCEALED ATTACHMENT. PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
- 3A CONTINUOUS RIDGE VENT
- 3B CONTINUOUS EAVE VENT
- 4A 4" (NOM) BRICK VENEER ON AIR SPACE ON 3" SPRAYED POLYURETHANE FOAM INSULATION ON REINFORCED C.M.U./D.C.M.U (SEE STRUCTURAL).
- 4B 4" (NOM) BRICK VENEER ON AIR SPACE ON 2" RIGID INSULATION ON REINFORCED C.M.U./D.C.M.U (SEE STRUCTURAL).
- 5A PREFINISHED ALUMINUM STOREFRONT WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
- 5B PREFINISHED ALUMINUM CURTAINWALL WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
- 5C PREFINISHED 1/8" THICK ALUMINUM FRAME EXTENSION PROVIDED BY WINDOW SYSTEM MANUFACTURER. FINISH TO MATCH WINDOW SYSTEM AND INSTALLED WITH CONCEALED GLEAT ATTACHMENT.
- 6 REFER TO STRUCTURAL DOCUMENTS FOR COLUMNS, BEAMS, OTHER SHAPES, CONCRETE FOUNDATIONS AND SPECIFIC REINFORCING REQUIREMENTS.
- 7A REINFORCED CONCRETE SLAB ON VAPOR BARRIER OVER COMPACTED GRANULAR FILL. REFER TO STRUCTURAL DOCUMENTS FOR THICKNESS AND REINFORCING.
- 7B EXTERIOR REINFORCED CONCRETE SUPPORTED SLAB ON 12" (MIN.) PEA GRAVEL - REFER TO STRUCTURAL DOCUMENTS.
- 7C EXTERIOR REINFORCED CONCRETE SLAB ON COMPACTED SAND FILL - REFER TO CIVIL DOCUMENTS.
- 8 FLASHING WITH ST. STEEL DRIP EDGE - EXTEND 1/2" BEYOND FACE OF MASONRY/LINTEL ABOVE GRADE AND FLUSH WITH FACE OF MASONRY NEAR GRADE. PROVIDE TERMINATION BAR 8" (MIN) ABOVE DRIP EDGE (TYP).
- 9 2" INSULATED DRAINAGE PANEL ON WATERPROOFING OVER CONCRETE/ CMU FOUNDATION - EXTEND WATERPROOFING ABOVE F.F. (BEHIND STAINLESS STEEL FLASHING) AND LAP MIN 8" OVER SPREAD FOOTING BELOW.
- 10 PERFORATED PERIMETER DRAIN TILE WITH PEA GRAVEL AND FABRIC FILTER SURROUND. REFER TO STRUCTURAL/STRUCTURAL DOCUMENTS FOR LOCATIONS. REFER TO CIVIL AND MECHANICAL DOCUMENTS FOR INVERTS, RITCHES AND CONNECTIONS TO STORM SYSTEM.
- 11 3" THICK X 24" WIDE, RIGID PERIMETER INSULATION (U.N.O.) EXTEND HORIZONTALLY MIN. 24" & VERTICALLY MIN. 36" (U.N.O.).
- 12 CAVITY DRAINAGE MATERIAL - W/WEEP VENTS @ MAX. 24" O.C.
- 13 1/2" PREMOULDED JOINT FILLER AND SEALANT.
- 14 CONTINUOUS SEALANT AND BACKER ROD - 3/8" U.N.O.
- 15 CMU HORIZONTAL JOINT REINFORCEMENT - REFER TO FLOOR PLANS FOR WALL TYPES AND STRUCTURAL DOCUMENTS.
- 16 ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY, STAGGERED - TYPICAL.
- 17 DCMU/CMU PARTITION.
- 18 SOLID CMU BULLNOSE UNIT - REFER TO FLOOR PLANS FOR WALL TYPES.
- 19 INTERIOR PARTITION - REFER TO FLOOR PLANS FOR WALL TYPES.
- 20 CEILING SYSTEM - REFER TO CEILING PLANS FOR TYPE AND ROOM FINISH SCHEDULE FOR HEIGHT.
- 21 SOUND ATTENUATING BATT INSULATION.
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- 23 FIRE RETARDANT TREATED WOOD BLOCKING.
- 24 1 HOUR SPRAY APPLIED FIRE PROOFING.
- 25 GROUT SOLID.
- 26 REFER TO ELECTRICAL DOCUMENTS.
- 27 REFER TO MECHANICAL DOCUMENTS.
- 28 REFER TO DOOR SCHEDULE.
- 29 GRADE - REFER TO CIVIL DOCUMENTS.
- 30 EXISTING CONSTRUCTION TO REMAIN
- 31 DETAIL MEMBRANE.
- 32 WALL TILE ON SETTING SYSTEM ON REINFORCED CMU.
- 33 5/8" GYPSUM BOARD ON 7/8" HAT CHANNEL.
- 34 5/8" GYPSUM BOARD ON METAL STUD FRAMING AT 16" O.C.
- 35 16 GAGE GALVANIZED BENT PLATE

NOTE: GALVANIZE ALL STEEL COLUMNS, BEAMS, ANGLES ETC. AT EXTERIOR WALLS EXCEPT STEEL RECEIVING SPRAY APPLIED FIREPROOFING AND UNLESS NOTED OTHERWISE - TYP.

Revisions

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02.16.2018 - Issued for Bids
11.22.2017 - Design Development

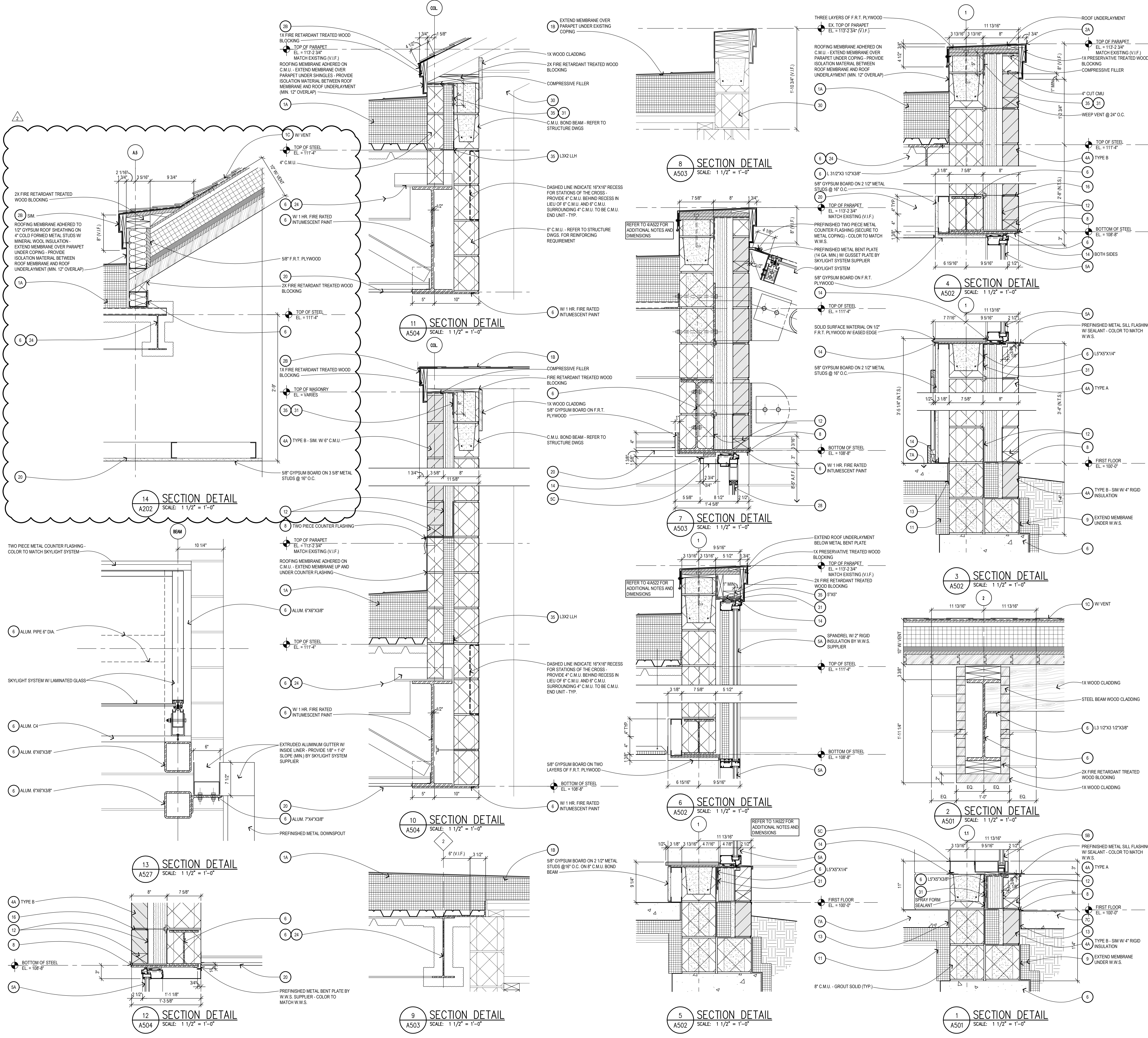
Date ☒ Preliminary
11.07.2017 ☐ Construction
Drawn ☐ Record

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SEC ☐ Use figured dimensions only
Approved

SEC
Bldgpk Number

Job Number
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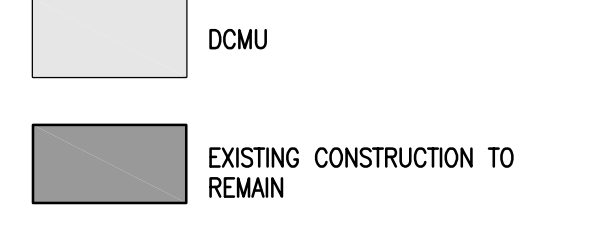
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Sheet
A522





**St. Kenneth
Catholic Church**
Worship Space
Addition & Renovation
Plymouth Township, Michigan

LEGEND



NOTE: GALVANIZE ALL STEEL COLUMNS, BEAMS, ANGLES, ETC. AT EXTERIOR WALLS EXCEPT STEEL RECEIVING SPRAY APPLIED FIREPROOFING AND UNLESS NOTED OTHERWISE - TYP.

Revisions

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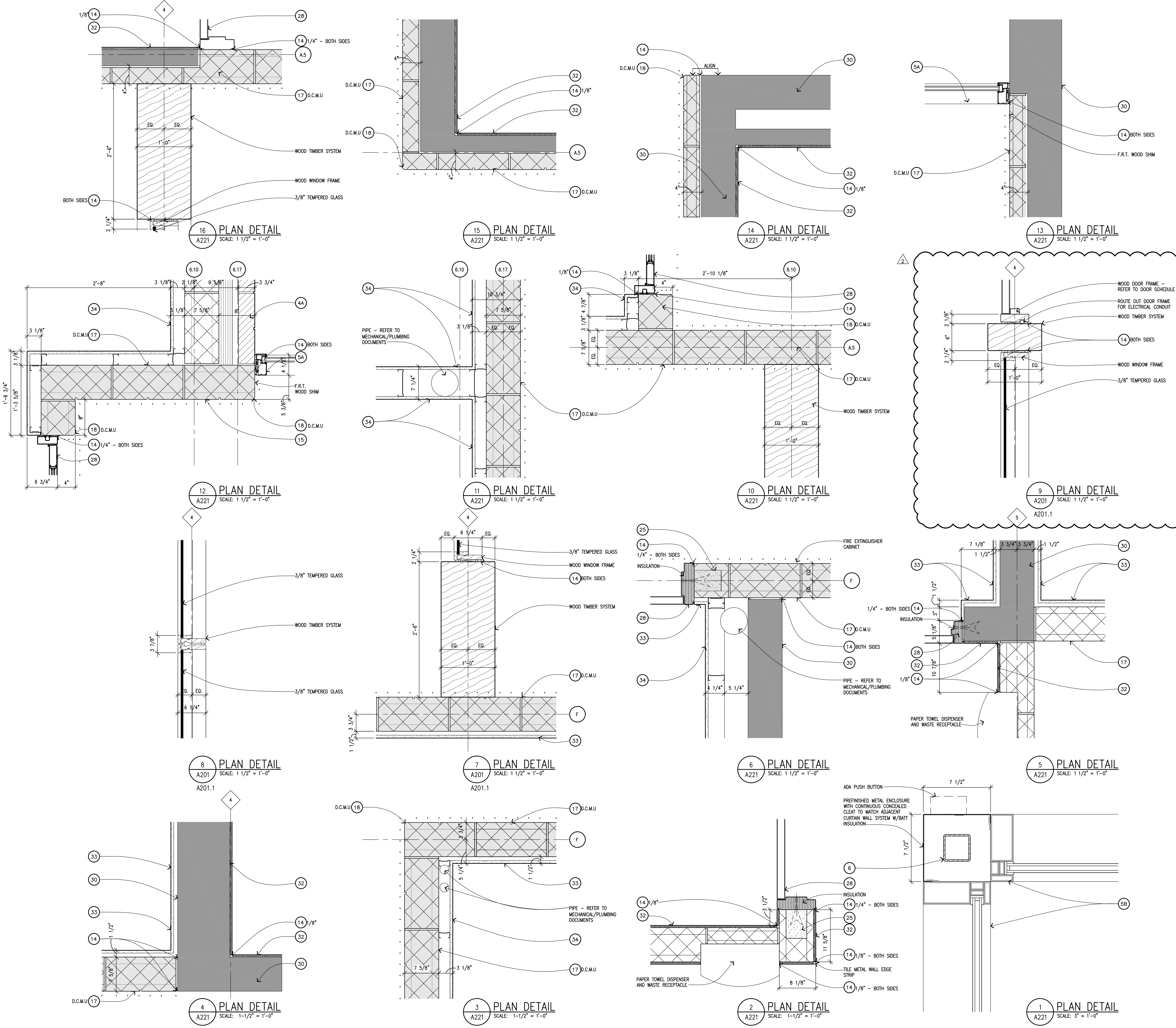
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Bidpak Number

Job Number
2014166
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Interior Plan Details

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KEYNOTES:

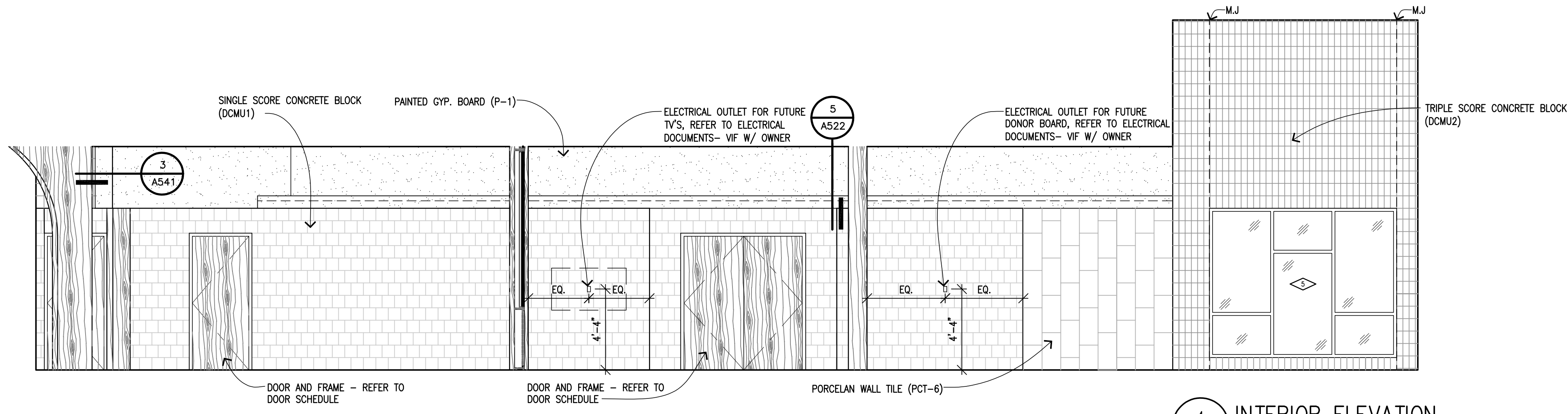
- 1A FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE OVER TWO LAYERS OF ROOF INSULATION ON METAL ROOF DECK. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
- 1B FULLY ADHERED SINGLE-PLY ROOFING MEMBRANE TWO LAYERS OF ROOF INSULATION ON EXISTING 3/4" PLYWOOD SHEATHING ON EXISTING ROOF TRUSSES. FIRST LAYER OF ROOF INSULATION TO BE MECHANICALLY FASTENED TO ROOF DECK. SECOND LAYER TO BE FULLY ADHERED TO THE FIRST LAYER.
- 1C ASPHALT SHINGLES ON ROOF UNDERLAYMENT MEMBRANE ON NAIL BASE INSULATION ON 1" POLYISOCYANURATE INSULATION 3/4" OSB ON 3" HEAVY TIMBER T&G DECKING.
- 1D ASPHALT SHINGLES ON ROOF UNDERLAYMENT MEMBRANE ON EXISTING 1 1/2" NAIL BASE INSULATION.
- 1E PREFINISHED METAL STANDING SEAM ROOFING ON HIGH TEMPERATURE ROOF UNDERLAYMENT MEMBRANE ON NAIL BASE INSULATION ON 1" POLYISOCYANURATE INSULATION ON 3/4" OSB ON 3" HEAVY TIMBER T&G DECKING.
- 2A PREFINISHED METAL COPING WITH CONCEALED SPLICE PLATE AT JOINTS AND CONTINUOUS CLEAT FOR CONCEALED ATTACHMENT. COPING PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
- 2B PREFINISHED METAL DRIP EDGE WITH CONCEALED SPLICE PLATE AT JOINTS AND CONTINUOUS CLEAT FOR CONCEALED ATTACHMENT. PROFILE AND FINISH TO MATCH EXISTING - TYPICAL.
- 3A CONTINUOUS RIDGE VENT
- 3B CONTINUOUS EAVE VENT
- 4A (NOM) BRICK VENEER ON AIR SPACE ON 3" SPRAYED POLYURETHANE FOAM INSULATION ON REINFORCED C.M.U./D.C.M.U (SEE STRUCTURAL).
- 4B (NOM) BRICK VENEER ON AIR SPACE ON RIGID INSULATION ON REINFORCED C.M.U./D.C.M.U (SEE STRUCTURAL).
- 5A PREFINISHED ALUMINUM STOREFRONT WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
- 5B PREFINISHED ALUMINUM CURTAINWALL WINDOW SYSTEM. PROVIDE TEMPERED GLASS WHERE REQUIRED BY CODE.
- 5C PREFINISHED 1/8" THICK ALUMINUM FRAME EXTENSION PROVIDED BY WINDOW SYSTEM MANUFACTURER. FINISH TO MATCH WINDOW SYSTEM AND INSTALLED WITH CONCEALED CLEAT ATTACHMENT.
- 6 REFER TO STRUCTURAL DOCUMENTS FOR COLUMNS, BEAMS, OTHER SHAPES, CONCRETE FOUNDATIONS AND SPECIFIC REINFORCING REQUIREMENTS.
- 7A REINFORCED CONCRETE SLAB ON VAPOR BARRIER OVER COMPACTED GRANULAR FILL. REFER TO STRUCTURAL DOCUMENTS FOR THICKNESS AND REINFORCING.
- 7B EXTERIOR REINFORCED CONCRETE SUPPORTED SLAB ON 12" (MIN.) PEA GRAVEL - REFER TO STRUCTURAL DOCUMENTS.
- 7C EXTERIOR REINFORCED CONCRETE SLAB ON COMPACTED SAND FILL - REFER TO CIVIL DOCUMENTS.
- 8 FLASHING WITH ST. STEEL DRIP EDGE - EXTEND 1/2" BEYOND FACE OF MASONRY/LINTEL ABOVE GRADE AND FLUSH WITH FACE OF MASONRY NEAR GRADE. PROVIDE TERMINATION BAR 8" (MIN) ABOVE DRIP EDGE (TYP).
- 9 2" INSULATED DRAINAGE PANEL ON WATERPROOFING OVER CONCRETE/ CMU FOUNDATION - EXTEND WATERPROOFING 24" ABOVE F.F. (BEHIND STAINLESS STEEL FLASHING) AND LAP MIN 8" OVER SPREAD FOOTING BELOW.
- 10 PERFORATED PERIMETER DRAIN TILE WITH PEA GRAVEL AND FABRIC FILTER SURROUND. REFER TO STRUCTURAL DOCUMENTS FOR LOCATIONS. REFER TO CIVIL AND MECHANICAL DOCUMENTS FOR INVERTS, PITCHES AND CONNECTIONS TO STORM SYSTEM.
- 11 3" THICK X 24" WIDE, RIGID PERIMETER INSULATION. (U.N.O.) EXTEND HORIZONTALLY MIN. 24" & VERTICALLY MIN. 36" (U.N.O.).
- 12 CAVITY DRAINAGE MATERIAL, W/WEEP VENTS @ MAX. 24" O.C.
- 13 1/2" PREMOLDED JOINT FILLER AND SEALANT.
- 14 CONTINUOUS SEALANT AND BACKER ROD - 3/8" U.N.O.
- 15 CMU HORIZONTAL JOINT REINFORCEMENT - REFER TO FLOOR PLANS FOR WALL TYPES AND STRUCTURAL DOCUMENTS.
- 16 ADJUSTABLE BRICK TIES @ 16" O.C. VERTICALLY AND HORIZONTALLY, STAGGERED - TYPICAL.
- 17 DCMU/CMU PARTITION.
- 18 SOLID CMU BULLNOSE UNIT - REFER TO FLOOR PLANS FOR WALL TYPES.
- 19 INTERIOR PARTITION - REFER TO FLOOR PLANS FOR WALL TYPES.
- 20 CEILING SYSTEM - REFER TO CEILING PLANS FOR TYPE AND ROOM FINISH SCHEDULE FOR HEIGHT.
- 21 SOUND ATTENUATING BATT INSULATION.
- 22 FIRE STOPPING SYSTEM.
- 23 FIRE RETARDANT TREATED WOOD BLOCKING.
- 24 1 HOUR SPRAY APPLIED FIRE PROOFING.
- 25 GROUT SOLID.
- 26 REFER TO ELECTRICAL DOCUMENTS.
- 27 REFER TO MECHANICAL DOCUMENTS.
- 28 REFER TO DOOR SCHEDULE.
- 29 GRADE - REFER TO CIVIL DOCUMENTS.
- 30 EXISTING CONSTRUCTION TO REMAIN
- 31 DETAIL MEMBRANE.
- 32 WALL TILE ON SETTING SYSTEM ON REINFORCED C.M.U.
- 33 5/8" GYPSUM BOARD ON 7/8" HAT CHANNEL.
- 34 5/8" GYPSUM BOARD ON METAL STUD FRAMING AT 16" O.C.
- 35 16 GAGE GALVANIZED BENT PLATE



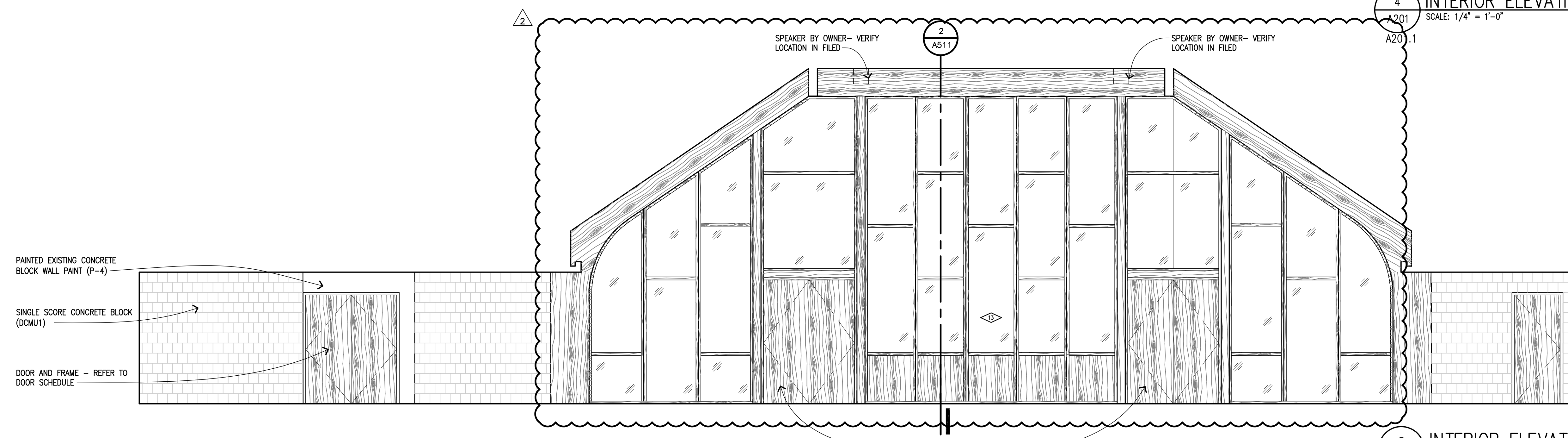


**St. Kenneth
Catholic
Church**
Worship Space
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Plymouth Township, Michigan

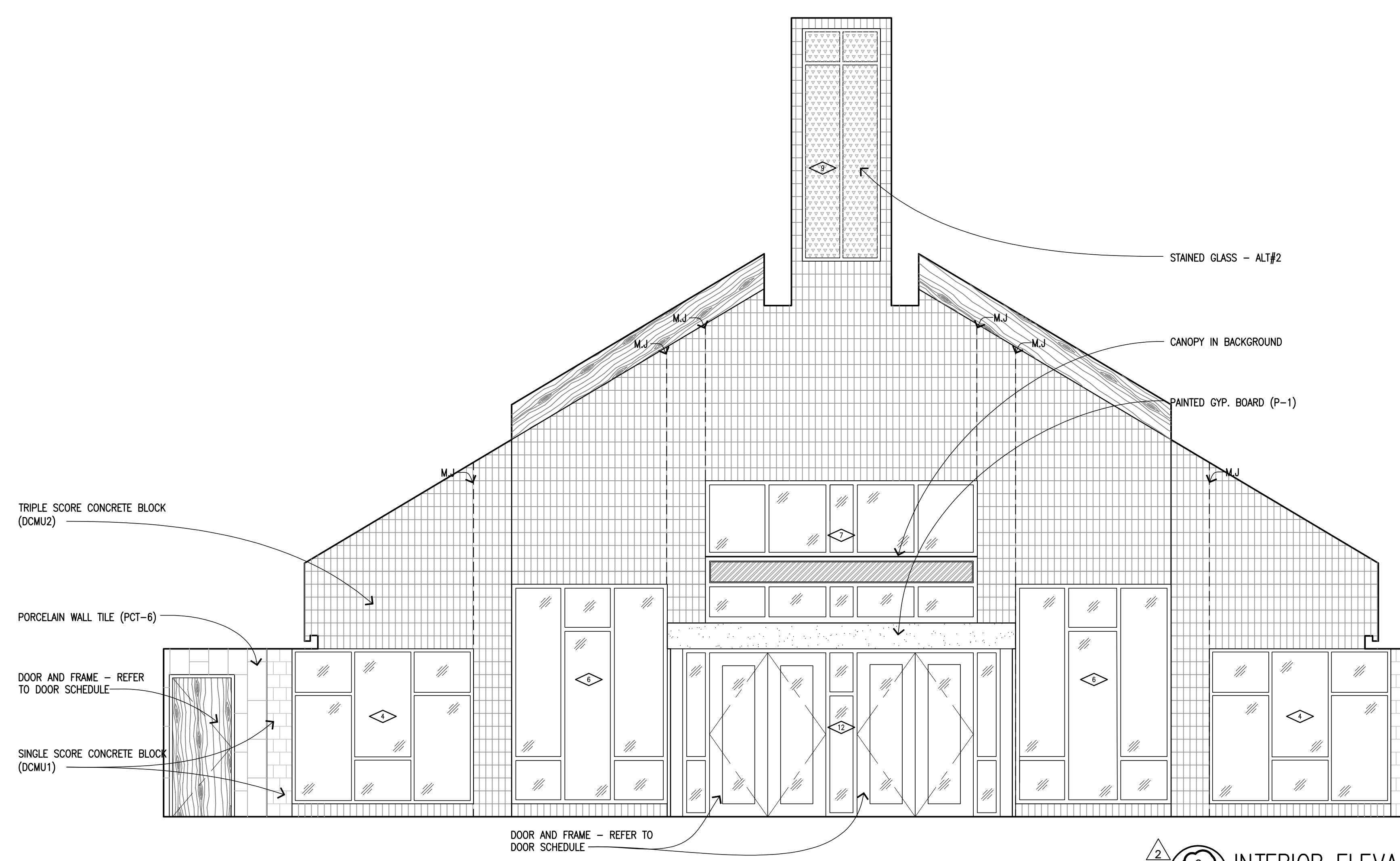
ELEVATION LEGEND:	
	WINDOW TAG



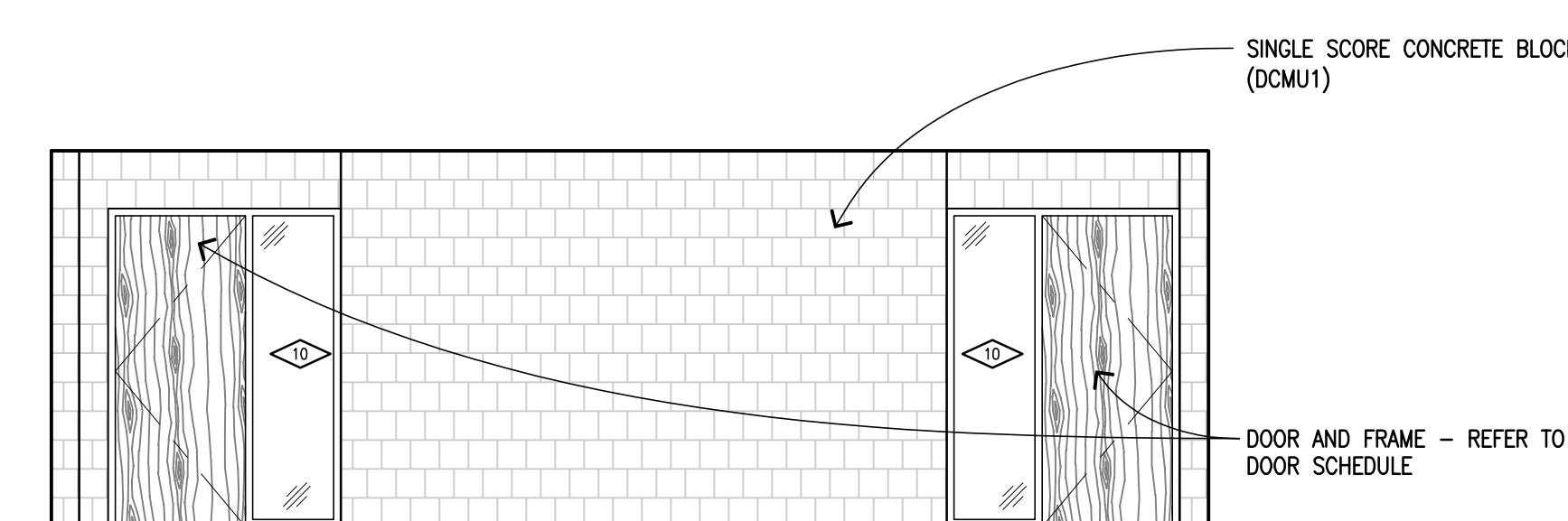
4 INTERIOR ELEVATION
A201 SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION
A201 SCALE: 1/4" = 1'-0"



2 INTERIOR ELEVATION
A201 SCALE: 1/4" = 1'-0"



1 INTERIOR ELEVATION
A201 SCALE: 1/4" = 1'-0"

Revisions

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03.15.2018 - BP2 Addendum 1
02.16.2018 - Issued for Bids
11.22.2017 - Design
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05.26.2017 - Schematic
Design

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Drawn	☐ Record
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Checked	Do not scale
SEC	Use figured
Approved	dimensions only
SEC	
Bldgpak Number	

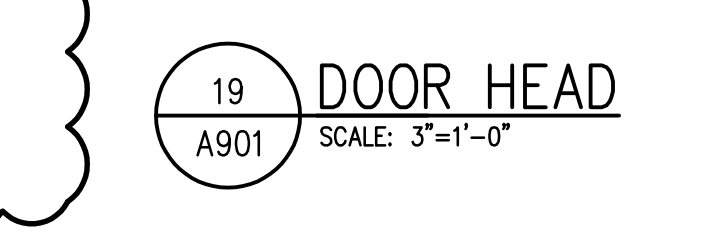
Job Number
2014166
Title
Interior Elevations

Scale: 1/4" = 1'-0"
Sheet
A601

1



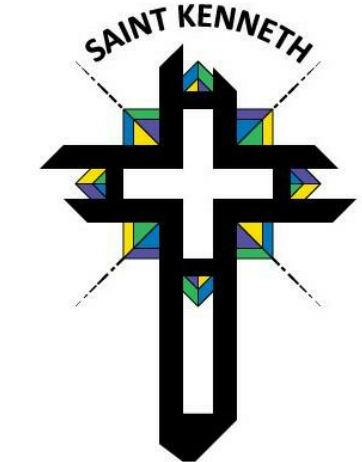
B



The image displays six architectural detail drawings of door and window components, arranged in a 3x2 grid. Each drawing includes a title block with a number, the name of the component, and a scale. The drawings are as follows:

- Top Left: Door Head (14)**
 - Scale: 3"=1'-0"
 - Callouts: SEE PLANS FOR WALL CONSTRUCTION, SEALANT AT INTERIOR AND EXTERIOR PERIMETER, DOOR AS SCHEDULED, WALL WIDTH, 4", 2", 1/4", DOOR OPENING.
- Top Right: Door Head (13)**
 - Scale: 3"=1'-0"
 - Callouts: MASONRY LINTEL, SEE PLANS FOR WALL CONSTRUCTION, BULL NOSE C.M.U. AT JAMB, HOLLOW METAL FRAME (PAINT) WITH INSULATION, REFER TO SPECIFICATIONS, DOOR AS SCHEDULED, 5 7/8", 2", DOOR OPENING.
- Middle Left: Door Head (8)**
 - Scale: 3"=1'-0"
 - Callouts: SEE PLANS FOR WALL CONSTRUCTION, MASONRY LINTEL, SEALANT AT INTERIOR AND EXTERIOR PERIMETER, HOLLOW METAL FRAME (PAINT) WITH INSULATION, REFER TO SPECIFICATIONS, DOOR AS SCHEDULED, WALL WIDTH, 4", 2", 1/4", DOOR OPENING.
- Middle Right: Door Head (7)**
 - Scale: 3"=1'-0"
 - Callouts: MASONRY LINTEL, SEE PLANS FOR WALL CONSTRUCTION, SEALANT AT INTERIOR AND EXTERIOR PERIMETER, BULL NOSE C.M.U. AT JAMB, HOLLOW METAL FRAME (PAINT) WITH INSULATION, REFER TO SPECIFICATIONS, DOOR AS SCHEDULED, 5 7/8", 2", DOOR OPENING.
- Bottom Left: Door Jamb (2)**
 - Scale: 3"=1'-0"
 - Callouts: SEE PLANS FOR WALL CONSTRUCTION, BULL NOSE C.M.U. AT JAMB, HOLLOW METAL FRAME (PAINT) WITH INSULATION, REFER TO SPECIFICATIONS, DOOR AS SCHEDULED, WALL WIDTH, 7 1/2", 2 1/2", DOOR OPENING.
- Bottom Right: Door Jamb (1)**
 - Scale: 3"=1'-0"
 - Callouts: SEE PLANS FOR WALL CONSTRUCTION, MASONRY ANCHOR, SEALANT AT INTERIOR AND EXTERIOR PERIMETER, BULL NOSE C.M.U. AT JAMB, HOLLOW METAL FRAME (PAINT) WITH INSULATION, REFER TO SPECIFICATIONS, DOOR AS SCHEDULED, WALL WIDTH, 5 7/8", 2", DOOR OPENING.





St. Kenneth Catholic Church
Worship Space
Addition & Renovation
Plymouth Township, Michigan

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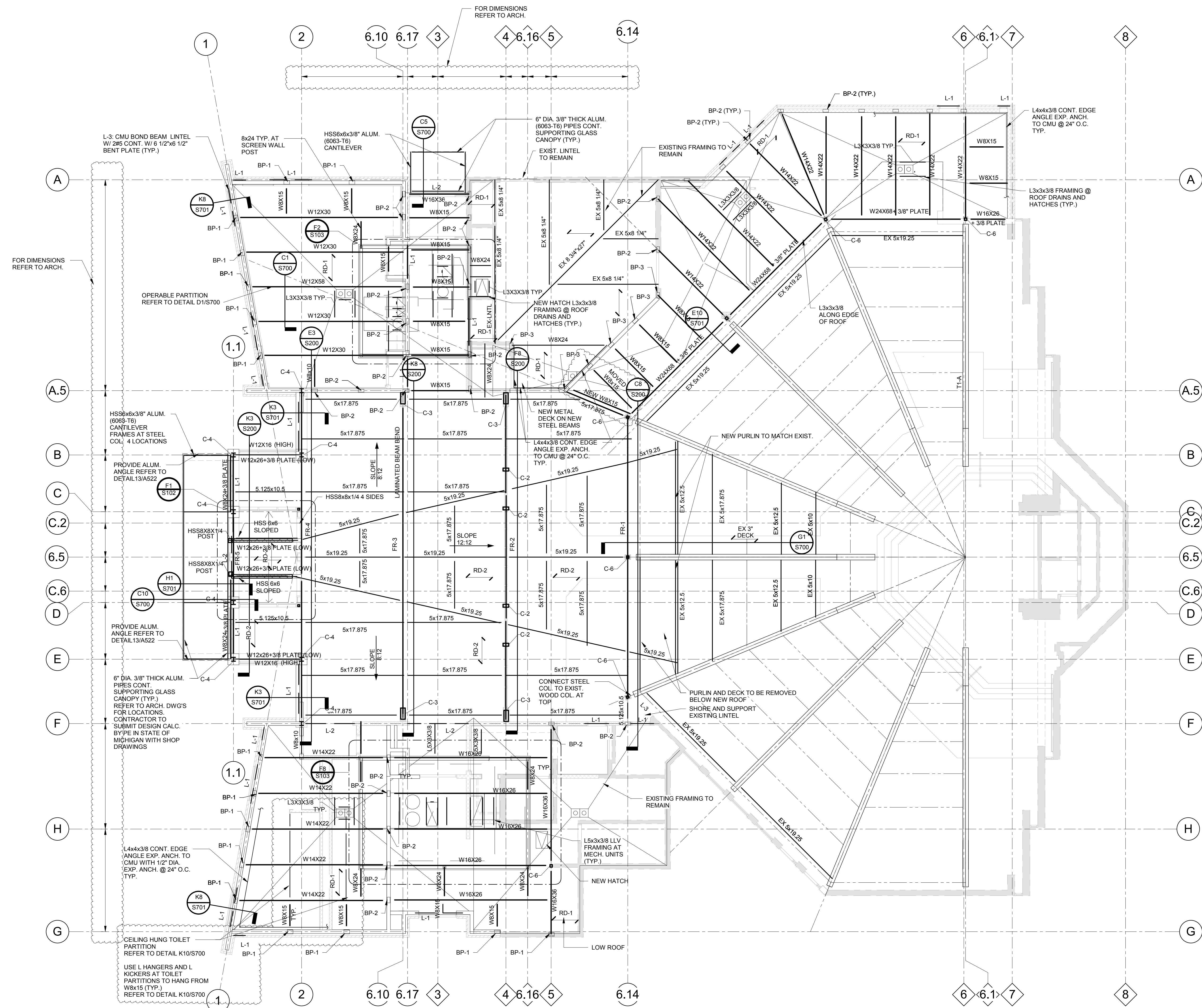
Revisions

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Approved _____
Bldpak Number _____

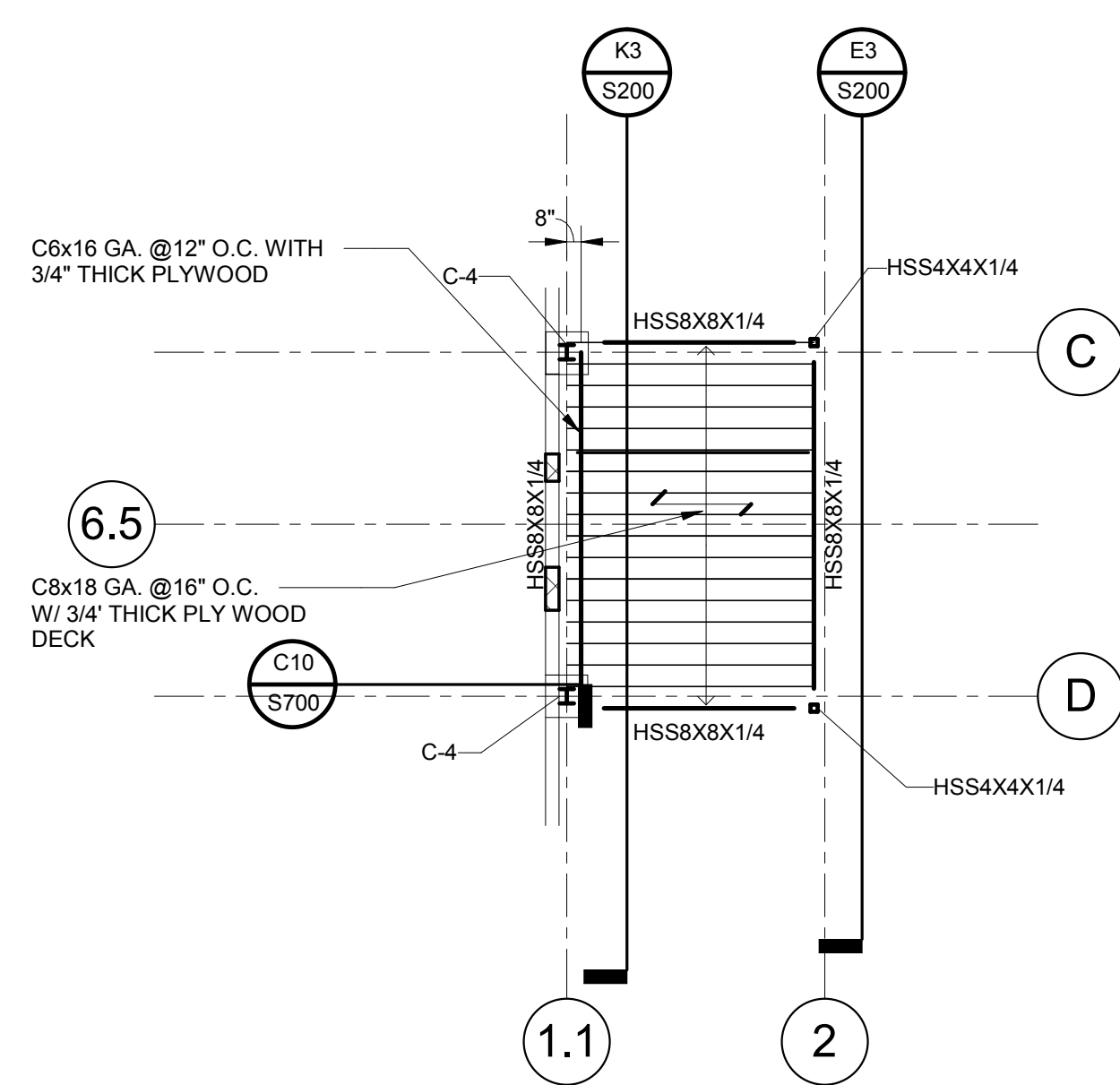
Job Number
2014166
Title
ROOF FRAMING PLAN

Sheet
S102

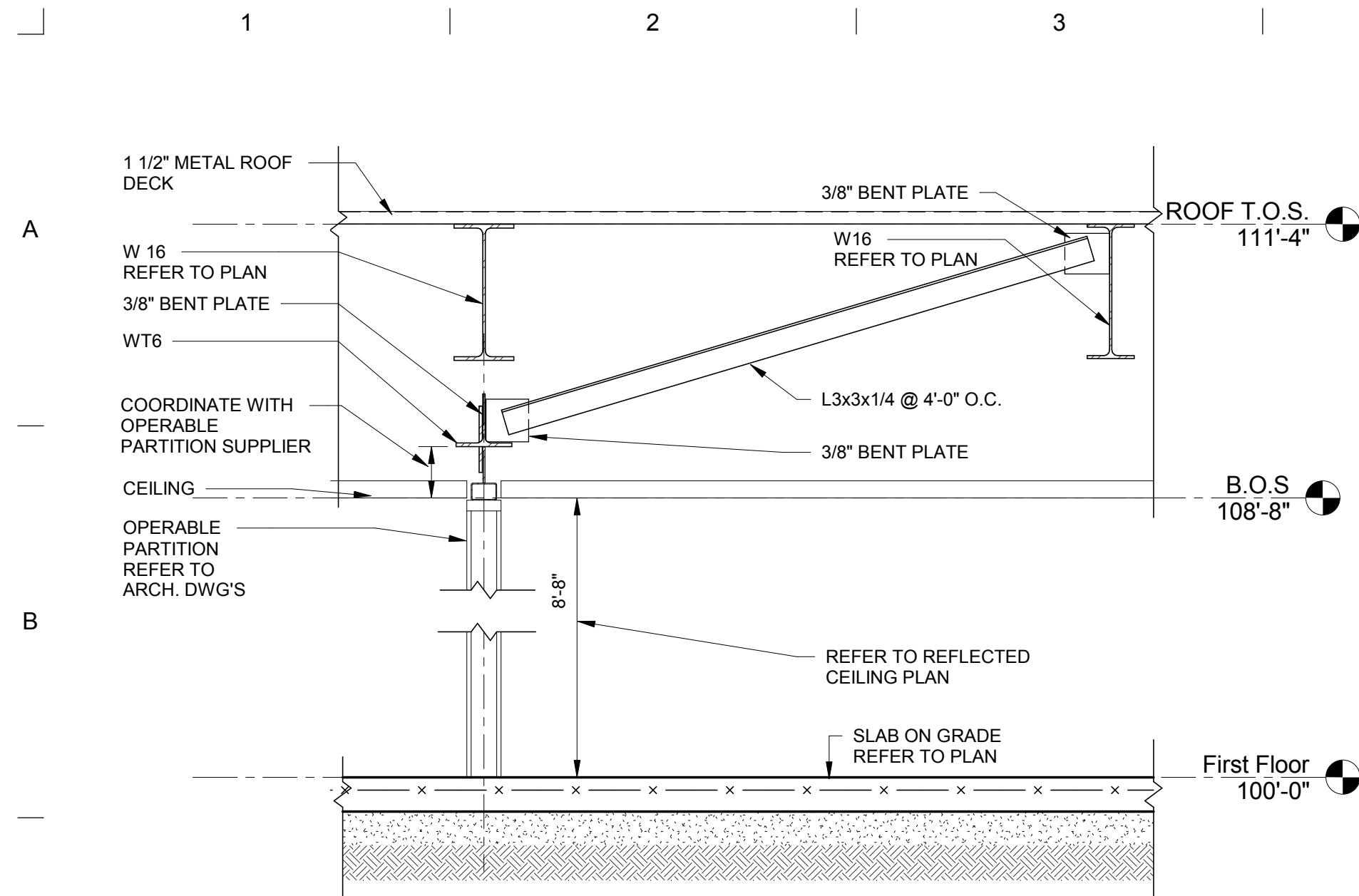


ROOF FRAMING PLAN
1/8" = 1'-0"

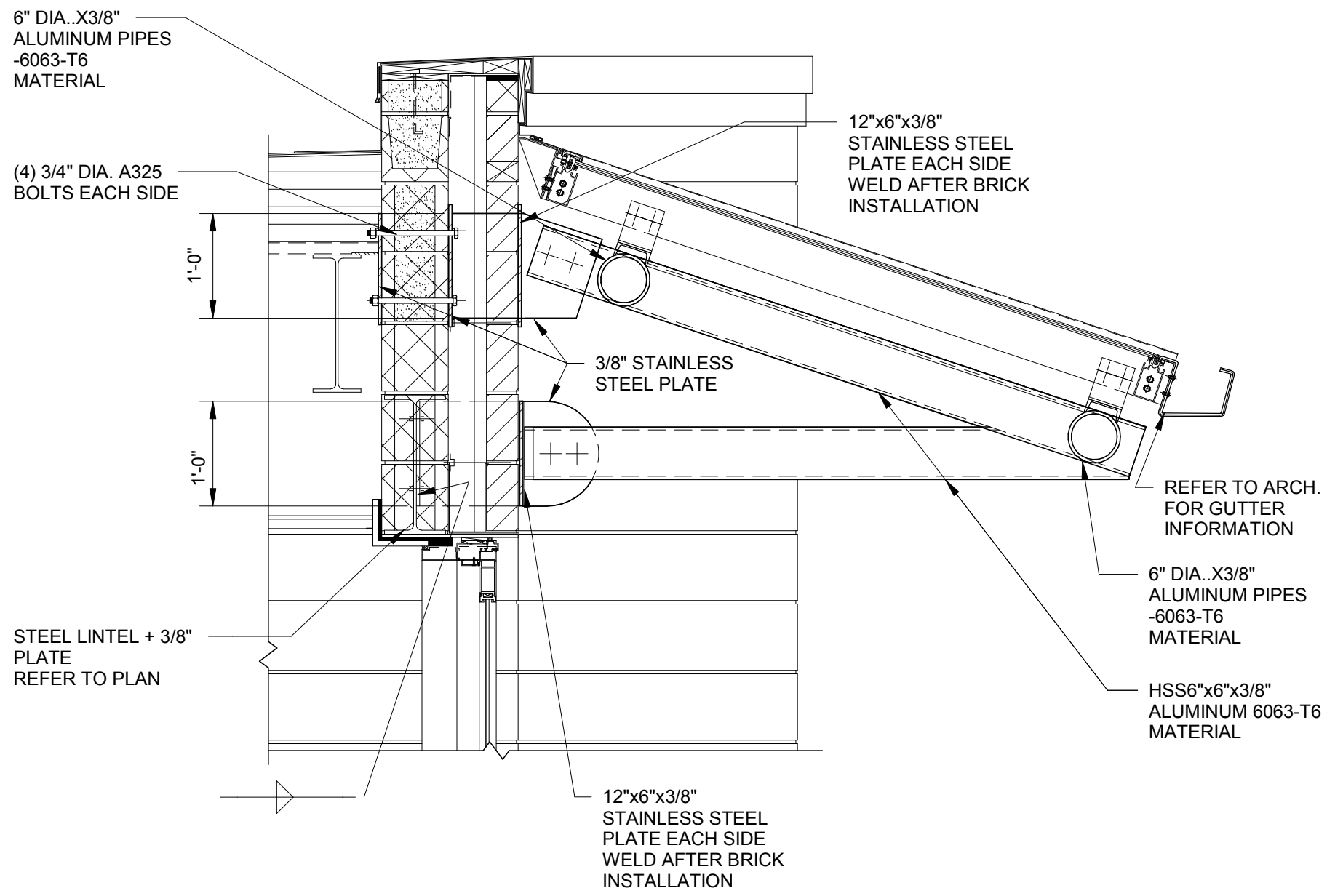
- ROOF FRAMING NOTES:**
- TOP OF STEEL REFERENCE ELEVATION = 111'-4" UNLESS NOTED THUS {x'-x"}
 - ROOF DECK DESIGNATIONS:
RD-1: 1 1/2"-20 GAGE MIN. WIDE RIB GALVANIZED STEEL ROOF DECK (MIN. 3 SPAN CONT.)
RD-2: 3" TONGUE & GROOVE WOOD MATCH EXISTING.
 - PROVIDE 1/4" CAP PLATE ON COLUMN FOR DECK BEARING AS REQUIRED.
 - VERIFY SIZE AND LOCATION OF OPENINGS WITH ARCH. AND MECH. DRAWINGS.
 - REFERENCE DRAWINGS:
S001-S002 GENERAL STRUCTURAL NOTES
S002-S003 SPECIAL INSPECTION SCHEDULES



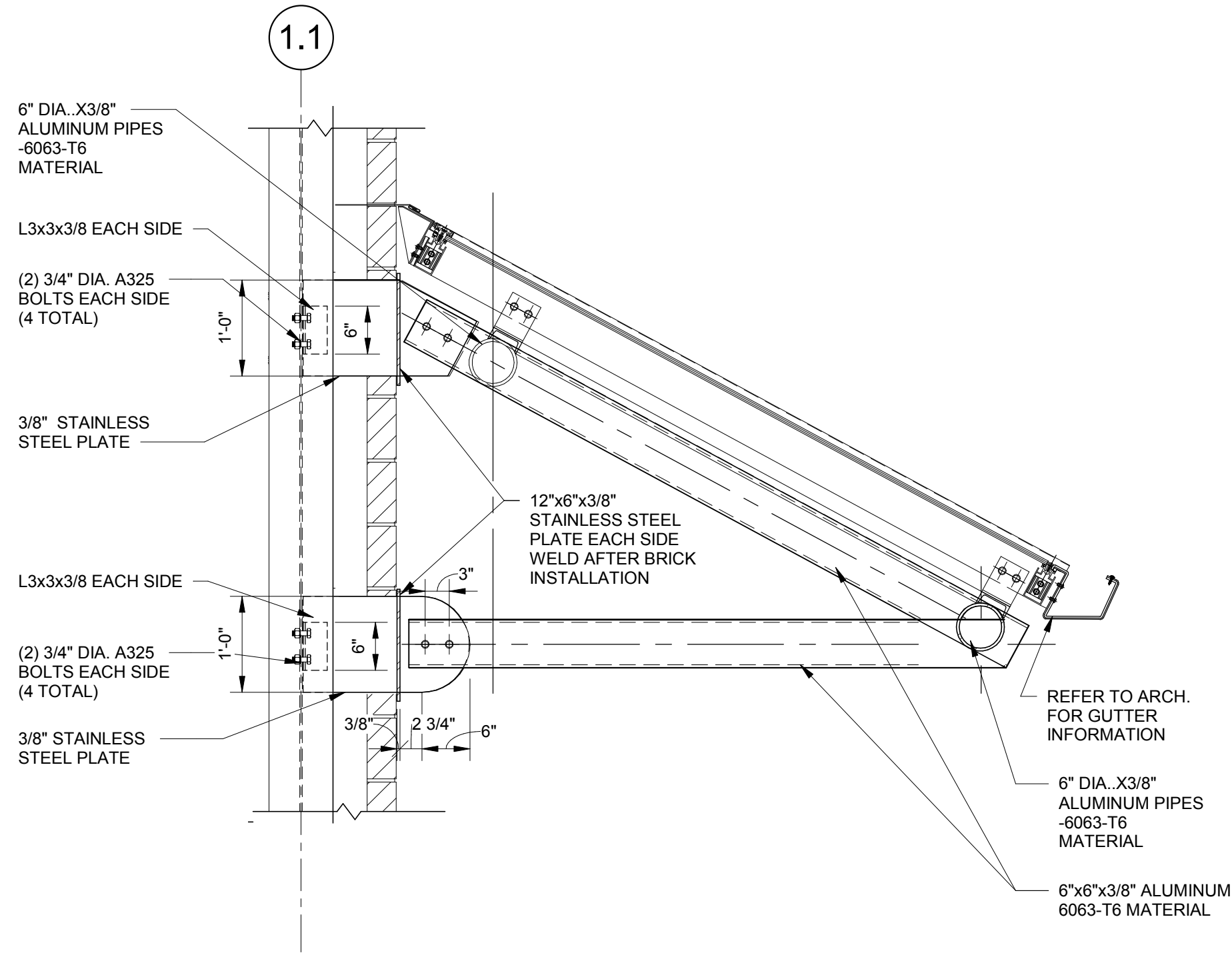
F1 PARTIAL VESTIBULE FRAMING PLAN
S102
1/8" = 1'-0"



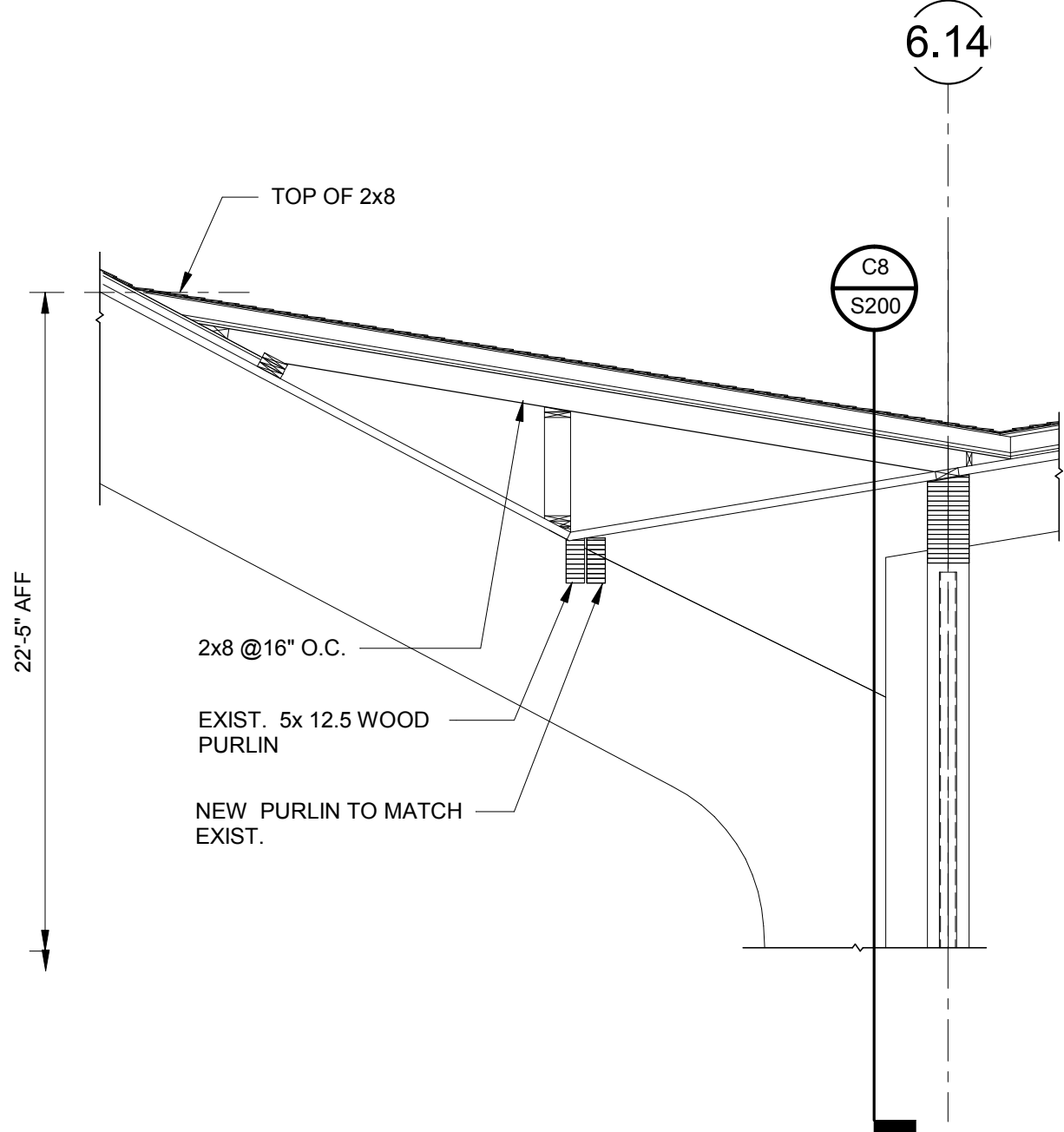
C1 SECTION
S700 3/4" = 1'-0"



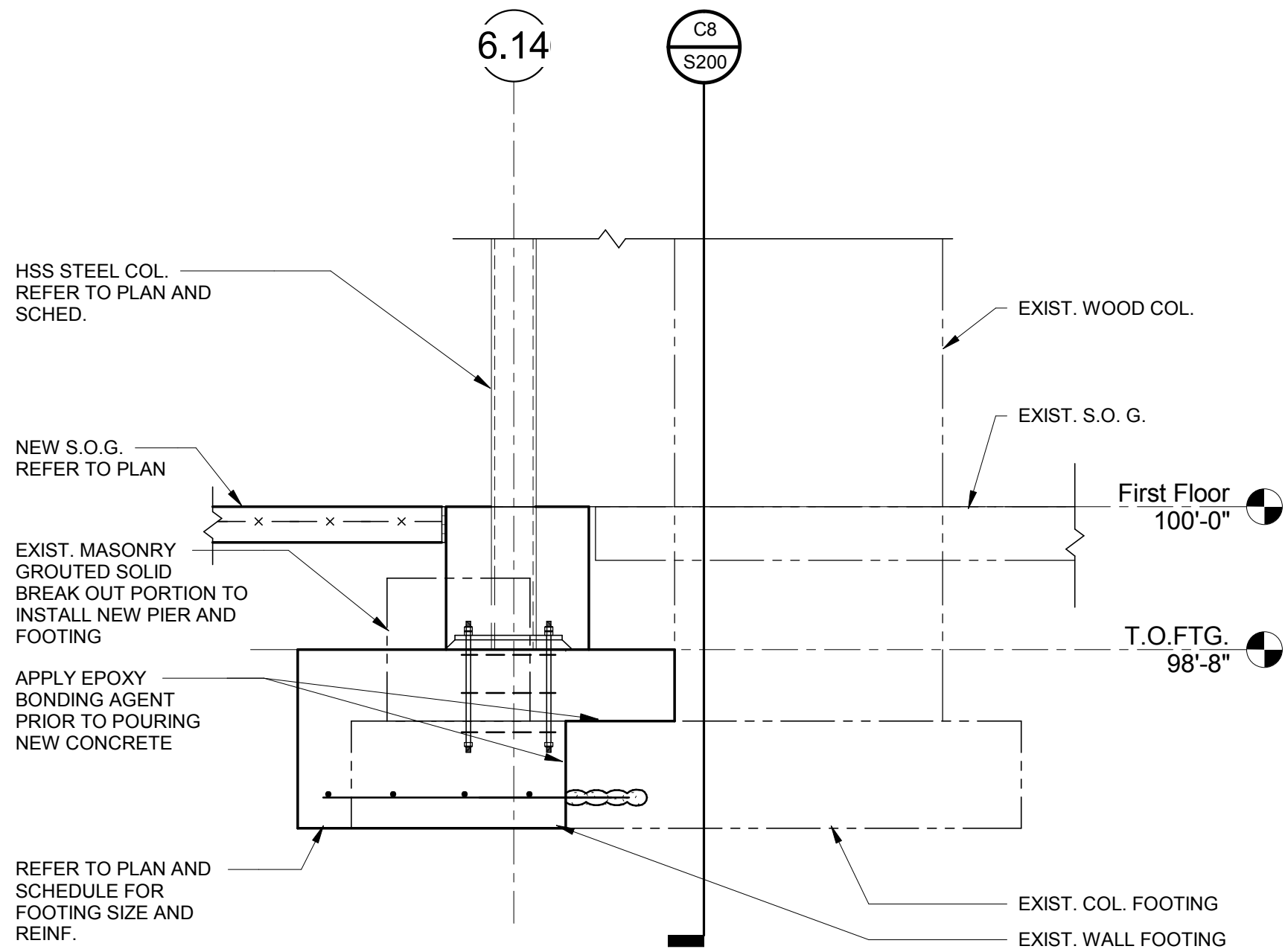
C5 SECTION
S700 3/4" = 1'-0"



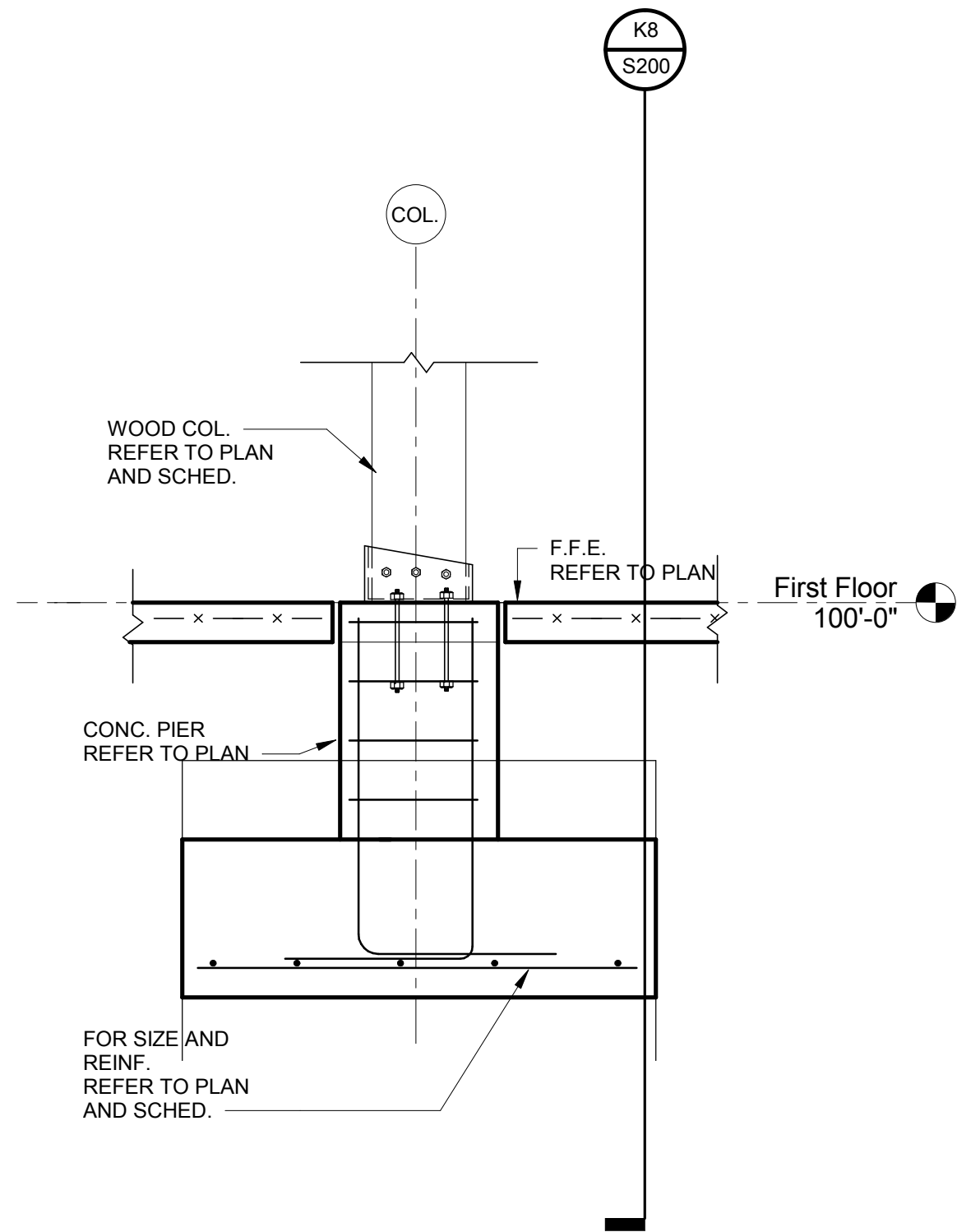
C10 SECTION
S700 3/4" = 1'-0"



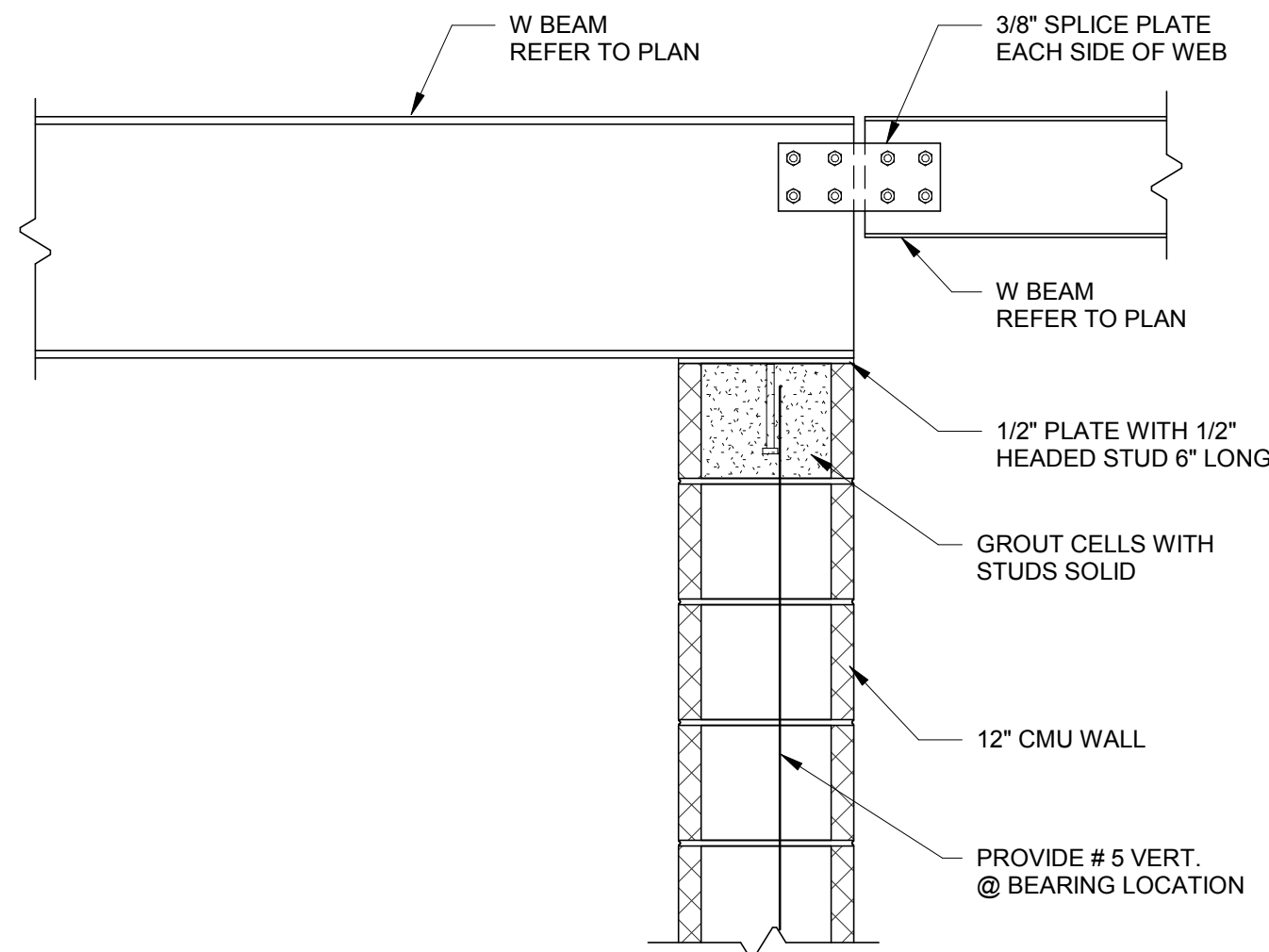
G1 SECTION
S700 1/4" = 1'-0"



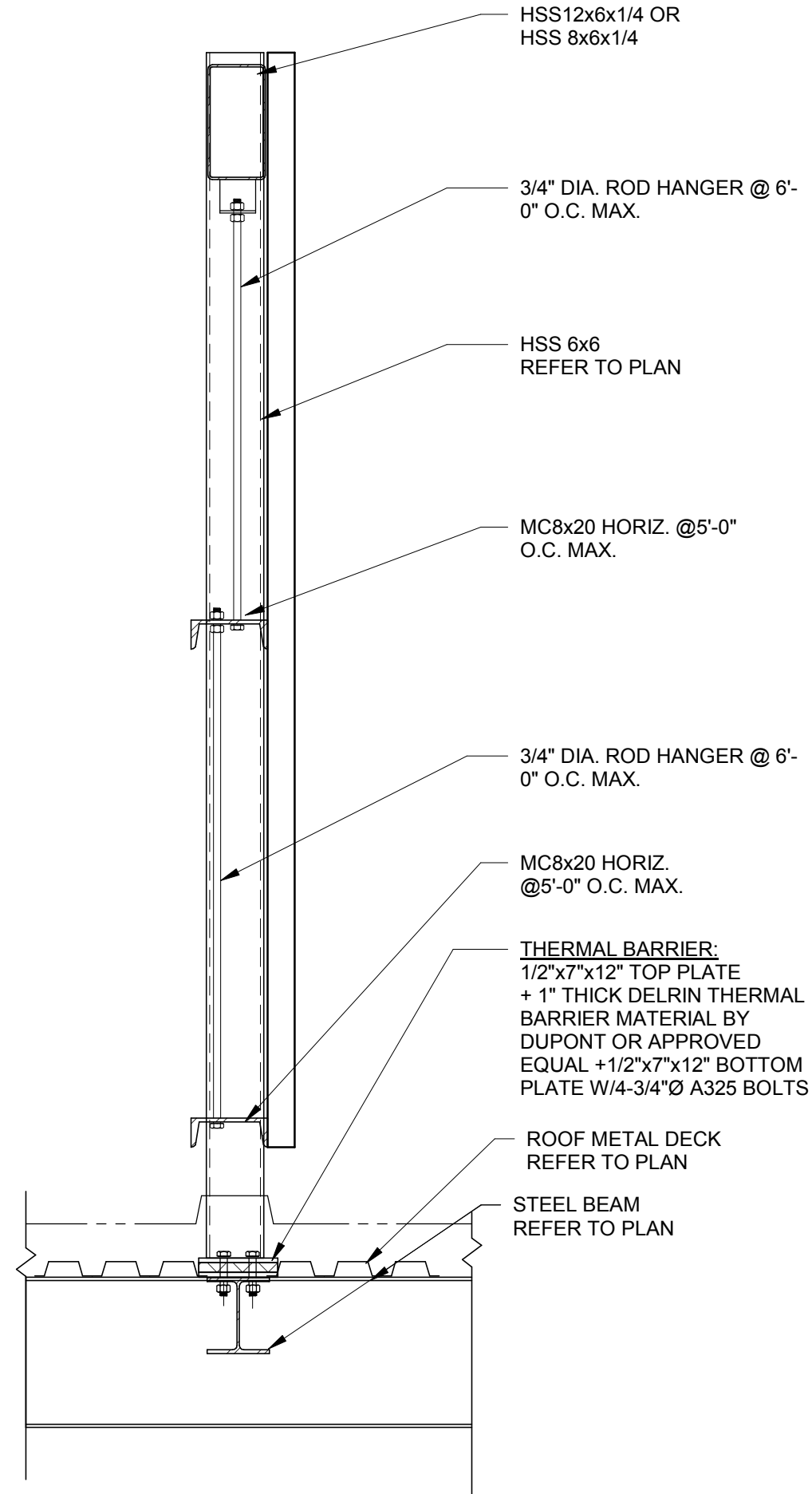
K1 SECTION
S700 3/4" = 1'-0"



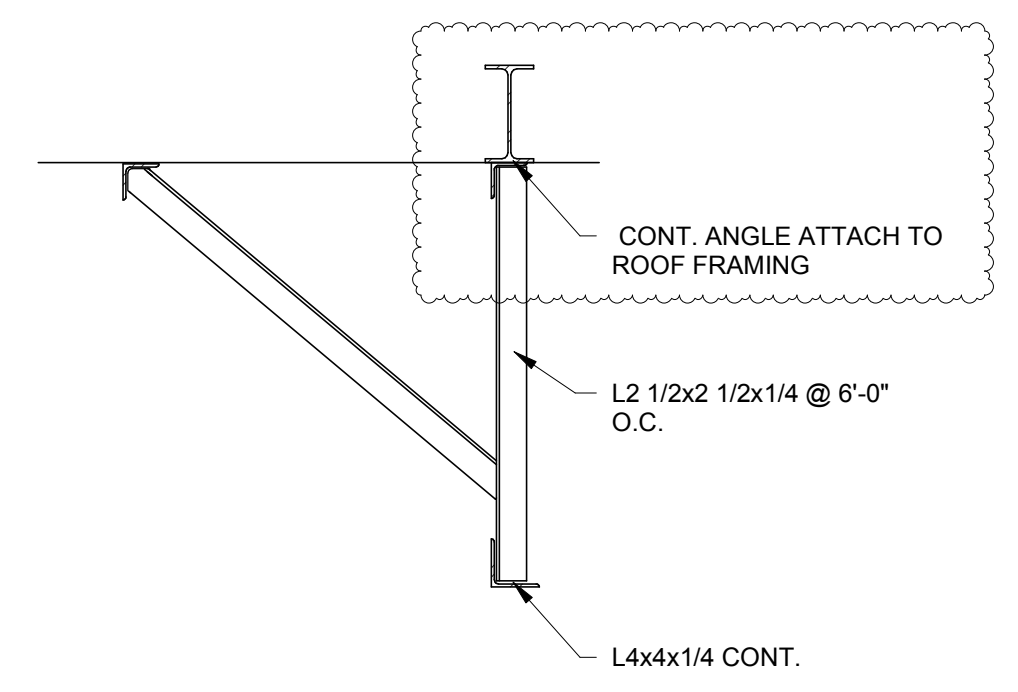
K4 TYPICAL WOOD COL. BASE DETAIL
S700 3/4" = 1'-0"



K7 SECTION
S700 1" = 1'-0"



G10 SECTION
S700 3/4" = 1'-0"



K10 DETAIL AT PARTITION
S700 3/4" = 1'-0"



St. Kenneth Catholic Church
Worship Space Addition & Renovation
Plymouth Township, Michigan

Revisions

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11.22.2017 Design Development

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Approved ☐ Do not scale
Use figured dimensions only
Bidpak Number

Job Number
2014166
Title
GENERAL SECTIONS AND DETAILS

Sheet
S700



St. Kenneth
Catholic
Church
Worship Space
Addition & Renovation
Plymouth Township, Michigan



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SES Project #17 0244 06

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	Bid/pak Number	

Job Number
2014166
Title
ELECTRICAL
GENERAL
INFORMATION

Sheet
E000

LUMINAIRE SCHEDULE				
FIXTURE MARK	DESCRIPTION	MANUFACTURER(S)	LAMP DESCRIPTION	WATTS
(FA)	4" RECESSED LED DOWNLIGHT, 2000 LUMEN LED MODULE, 4" ROUND APERTURE WITH ELECTRONIC LED DRIVER, ANODIZED PEWTER TRIM, SPUN PEWTER DIFFUSE, ALUMINUM REFLECTOR, CLEAR LENS, 3000K TEMPERATURE WITH 23.5 INPUT WATTS, 0-10V DIMMABLE, MVOLT OPERATION.	GOHAM EVO 30/20 4PR WD LD MVOLT EZ1	2000 LUMEN 3000K 80CRI	23.5
(FB)	4" LINEAR LED WASH FIXTURE, EXTRUDED ALUMINUM LED HOUSING, CLEAR ACRYLIC LENS, 3000K LED WITH 864 LUMENS/FT, MIN. 10X60 OPTICS, 0-10V CONTROLS, MVOLT OPERATION.	LUMENPULSE LOGI HO-120-48-30K-10X60-SAM-BK-DIM	864 LUMENS/FT 3000K 80CRI	18W/FT
(FC)	8" ROUND LED TOP LIT BOLLARD WITH 360° LINEAR DISTRIBUTION, 4" TALL DIE-CAST ALUMINUM BODY AND TOP COVER WITH AN ACRYLIC UV RESISTANT DIFFUSER.	SELUX MTR BOLLARD LED BRMFL 4 4L35 40 TBD 120	2226 LUMEN 4000K 80CRI	31W
(FD)	8" ROUND LED EXTERIOR TOP POST SITE LIGHT WITH 360° LINEAR DISTRIBUTION, 14" TALL DIE-CAST ALUMINUM BODY AND TOP COVER WITH AN ACRYLIC UV RESISTANT DIFFUSER.	SELUX MTR COLUMN LED MTRCL 14 3 4L35 40 120	8904 LUMEN 4000K 80CRI	120W
(FE)	4" DIAMETER LED PENDANT LIGHT, BLACK WITH 24" MOUNTING CABLE.	ACUTY BRANDS INDY LC4 SERIES LC4P P.23LM 30K MVOLT B G3 80CRI PSTEM 24IN BLUPN	2300 LUMEN 3000K 80CRI	22W
(FF1)	9" NOMINAL SQUARE 48" TALL LED PENDANT WITH INTEGRAL DOWNLIGHT WITH 34" BEAM SPREAD, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 192" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5574 L30K MVOLT L30K NRW OBRZ 192"	BODY- 13000 LUMEN 3000K, 83CRI DOWN- 2700 LUMEN 3000K, 83CRI 34" BEAM	BODY- 111W DOWN-28W TOTAL- 139W
(FF2)	9" NOMINAL SQUARE 36" TALL LED PENDANT WITH INTEGRAL DOWNLIGHT WITH 48" BEAM SPREAD, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 192" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5573 L30K MVOLT L30K MED OBRZ 192"	BODY- 10100 LUMEN 3000K, 83CRI DOWN- 1800 LUMEN 3000K, 83CRI 48" BEAM	BODY- 86W DOWN-18W TOTAL- 104W
(FF3)	9" NOMINAL SQUARE 36" TALL LED PENDANT WITH INTEGRAL DOWNLIGHT WITH 84" BEAM SPREAD, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 192" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5573 L30K MVOLT L30K WIDE OBRZ 192"	BODY- 10100 LUMEN 3000K, 83CRI DOWN- 1800 LUMEN 3000K, 83CRI 84" BEAM	BODY- 86W DOWN-18W TOTAL- 104W
(FF4)	9" NOMINAL SQUARE 25" TALL LED PENDANT WITH INTEGRAL DOWNLIGHT WITH 84" BEAM SPREAD, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 96" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5572 L30K MVOLT L30K WIDE OBRZ 96"	BODY- 5700 LUMEN 3000K, 83CRI DOWN- 1800 LUMEN 3000K, 83CRI 84" BEAM	BODY- 49W DOWN-18W TOTAL- 67W
(FF5)	9" NOMINAL SQUARE 36" TALL LED PENDANT, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 192" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5573 L30K MVOLT OBRZ 192"	BODY- 10100 LUMEN 3000K, 83CRI	BODY- 86W
(FF6)	9" NOMINAL SQUARE 25" TALL LED PENDANT, 0-10V DIMMING TO 1%, OLD BRONZE FINISH AND MATTE WHITE ACRYLIC DIFFUSER, 96" OVERALL HEIGHT WITH STANDARD CANOPY.	VISA LIGHTING CP5572 L30K MVOLT OBRZ 96"	BODY- 5700 LUMEN 3000K, 83CRI	BODY- 49W
(FG)	4" LONG LED UTILITY STRIP LIGHT, LOW PROFILE STEEL BODY WITH SYMMETRIC REFLECTOR AND SNAP ON FROSTED DIFFUSER, 0-10V DIMMING, SMOKE GREY FIXTURE WITH 36" LONG HANGER CHAINS, SUSPEND 8-0" AFF TO BOTTOM OF FIXTURE UON.	LITHONIA LIGHTING ZL1N LED STRIP ZL1N L48 SMR 5000LM FST MVOLT 30K 80CRI SKGY HC36	5000 LUMEN 3000K 80CRI	34W
(FHT)	LED TRACK SPOT LIGHT, BLACK WITH TRACK TYPE MOUNTING, ELV REVERSE PHASE DIMMING, 20° OPTIC BEAM SPREAD.	LIGHTING SERVICES INC LX2026-T19 37-B3 30 L2-00-TE 120 B	3700 LUMEN 3000K 90CRI	33W
(FH2)	LED TRACK SPOT LIGHT, BLACK WITH TRACK TYPE MOUNTING, ELV REVERSE PHASE DIMMING, 40° OPTIC BEAM SPREAD.	LIGHTING SERVICES INC LX2026-T19 37-B3 30 M8-00-TE 120 B	3700 LUMEN 3000K 90CRI	33W
(FT)	140" LED TAPE LIGHT, WITH LOW SQUARE/ LCOVER CLEAR COVER, 0-10V DIMMING, 120° BEAM ANGLE.	VARIOLED FLEXHYDRA LD10 W8 30 WITH VARIO CONTOUR 005 (100000039) A-10 ROUND VARIO COVER (120000019) WITH 24V DRIVERS AS REQUIRED	359 LUMEN/FT 3000K 80CRI	3W/FT
(FJ)	TRIANGLE LED WALL PACK, FULL CUTOFF LED, DIE-CAST ALUMINUM HOUSING, 1/4" THICK GLASS DIFFUSER, BLACK FINISH, IP65 RATED.	BEGA 22 488 LBM00-LED	825 LUMEN	60W
(FL)	6.5"Wx4"Dx25"H CYLINDER LED WALL SCONCE WITH A FORMED OPAL ACRYLIC LENS, REFER TO ARCHITECT FOR FINAL MOUNTING HEIGHT.	SPI LIGHTING AIW10857 L22W 120V 3000K VAN	1439 LUMEN 3000K	22W
(FK)	7"Wx4"Dx36"H CYLINDER EXTERIOR LED WALL SCONCE WITH A FORMED HIGH IMPACT ACRYLIC LENS, 4000K LED LIGHT ENGINE, OLD BRONZE FINISH, 120V OPERATION.	VISA LIGHTING DW1305 DW1305 L40K-L MVOLT OBRZ OBRZ	1700 LUMEN 4000K 83CRI	19W
(FL)	TWIN POLE MOUNTED COMPACT LED FLOOD/SPOT LIGHT, CAST ALUMINUM HOUSING, ANODIZED ALUMINUM REFLECTOR, GLASS LENS, 47.5W LED MODULE WITH VERY NARROW BEAM AND FLAT BEAM ACCESSORY LENS, 0-10V DIMMING, 120V OPERATION.	BEGA (2) 77651-BK FIXTURES (2) 70777 LENSES (2) 70370-BK BRACKETS (1) 1508HR-BK POLE	2838 LUMEN 4000K 83CRI	106W
(FM)	4" RECESSED FIRE RATED LED DOWNLIGHT, 1250 LUMEN LED MODULE, 4" ROUND APERTURE, HAZE DIFFUSE REFLECTOR, 3000K TEMPERATURE WITH 20 INPUT WATTS, 0-10V DIMMABLE, UL LISTED 2-HOUR FIRE RATING, MVOLT OPERATION.	NORA NFBC-4L12AT/NRM-411-L-12-30-HZW	1250 LUMEN 3000K 80CRI	20W
(T)	SINGLE CIRCUIT LIGHTING TRACK, EXTRUDED ALUMINUM CONSTRUCTION, BLACK FINISH, PROVIDE CONNECTORS AND POWER FEEDS AS REQUIRED, LENGTH AS SHOWN ON PLANS.	LIGHTING SERVICES INC 312xx SERIES.		
(X1)	LED EXIT LIGHT, SURFACE MOUNTED WITH RED LETTERING. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS.	LITHONIA LIGHTING EDG 1/2 RMR EL		2.5W
(X2)	LED EXIT LIGHT, RECESSED MOUNTED WITH RED LETTERING. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS.	LITHONIA LIGHTING EDGR 1/2 RMR EL		2.5W
(X3)	LED EXIT LIGHT, INVERTED MOUNT WITH RED LETTERING. NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS.	SIGNTEX INC LIGHTING CRS BB-1 R M BA-NA-TW-INV-DG		2W
(E-B)	PROVIDE FIXTURES WITH BATTERY PACK OPTION.			

LIGHTING SYMBOL LIST	
SYMBOL	DESCRIPTION
	LIGHT FIXTURE
	EMERGENCY LIGHT (1/2 SHADED)
	WALL MOUNTED LIGHT FIXTURE
	DOWNLIGHT
	DOWNLIGHT WALL WASH FIXTURE
	WALL SCONCE LIGHT FIXTURE
	SURFACE MOUNTED LIGHT FIXTURE
	INTERIOR WALL MOUNTED LIGHT FIXTURE
	TRACK AND TRACK MOUNTED LIGHT FIXTURES
	CEILING MOUNTED EXIT LIGHT - ARROWS AS INDICATED ON PLAN (SHADED AREA INDICATES FACE(S) OF FIXTURE)
	WALL MOUNTED EXIT LIGHT - ARROWS AS INDICATED ON PLAN (SHADED AREA INDICATES FACE(S) OF FIXTURE)
	EMERGENCY BATTERY UNIT
	COMBINATION EMERGENCY BATTERY UNIT/EXIT SIGN
	EXTERIOR POLE MOUNTED LIGHT FIXTURE
	EXTERIOR WALL MOUNTED LIGHT FIXTURE
	EXTERIOR POST TOP LIGHT FIXTURE
	BOLLARD LIGHT FIXTURE
	SINGLE POLE SWITCH
	TWO POLE SWITCH
	THREE WAY SWITCH
	FOUR WAY SWITCH
	KEYED SWITCH
	DIMMER SWITCH
	LOW VOLTAGE SWITCH
	SWITCH WITH PILOT LIGHT
(INV)	EMERGENCY LIGHT ON INVERTER

LIGHTING CONTROLS LEGEND	
SYMBOL	DESCRIPTION
	DIGITAL TIMER SWITCH
	WALL OCCUPANCY SENSOR SWITCH
	OCCUPANCY SENSOR
	DAYLIGHT SENSOR
	PHOTOCELL

- NOTES:
1. DRAWINGS INDICATE DESIGN INTENT ONLY.
2. SENSOR SELECTION, QUANTITY AND LOCATION TO BE DETERMINED BY MANUFACTURER BASED ON AREA TO BE COVERED.

LUMINAIRE SCHEDULE GENERAL NOTES

- REFER TO ELECTRICAL SPECIFICATIONS FOR MORE INFORMATION.
- ALL LIGHT FIXTURES SHALL BE UL LABELED.
- FIRST MANUFACTURER LISTED IS BASIS OF DESIGN. OTHER MANUFACTURERS LISTED ARE APPROVED MANUFACTURERS.
- ELECTRICAL TRADES SHALL PROVIDE COMPLETE SUBMITTALS (SHOP DRAWINGS) ON ALL LIGHT FIXTURES, LAMPS, CONTROLS AND ACCESSORIES, ETC. REFER TO SPECIFICATION FOR SUBMITTAL FORMAT AND PROCESS.
- ALL LUMINARIES AND CONTROLS SHALL COMPLY WITH THE MICHIGAN UNIFORM ENERGY CODE AND ASHRAE 90.1.

NOTE: ALTERNATE LIGHT FIXTURES MUST BE APPROVED BY ENGINEER.

FIRE ALARM SYMBOL LIST	
SYMBOL	DESCRIPTION
	AUDIBLE DEVICE
	COMBINATION AUDIBLE/VISUAL DEVICE
	CEILING MOUNTED AUDIBLE/VISUAL DEVICE
	VISUAL DEVICE
	CEILING MOUNTED VISUAL DEVICE
	FIRE DEPARTMENT COMMUNICATION OUTLET
	MANUAL PULL STATION
	DOOR HOLDER
	SMOKE DETECTOR (ZONED AS INDICATED)
	PHOTOELECTRIC SMOKE DETECTOR (ZONED AS INDICATED)
	HEAT DETECTOR (ZONED AS INDICATED)
	TAMPER SWITCH
	FLOW SWITCH
	DUCT MOUNTED SMOKE DETECTOR
	FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM CONTROL PANEL

ELECTRICAL ABBREVIATIONS	
ABBREV.	DESCRIPTION
AF	AMP FUSE
AFF	ABOVE FINISHED FLOOR
AIC	AVAILABLE INTERRUPTING CURRENT (AMPS)
ATS	AUTOMATIC TRANSFER SWITCH
CB	CIRCUIT BREAKER
(E)	EXISTING ELECTRICAL EQUIPMENT OR WORK
EMT	ELECTRICAL METALLIC TUBING
EWG	ELECTRIC WATER COOLER
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
G/GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
HOA	HAND-OFF-AUTO
IG	ISOLATED GROUND
LP	LIGHTING PANEL
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUG ONLY
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NF	NON-FUSIBLE
NIC	NOT IN CONTRACT
P	POLE
(R)	RELOCATED EXISTING ELECTRICAL EQUIPMENT
(RR)	REMOVE AND REINSTALL
RMC	RIGID METALLIC CONDUIT
RP	RECEPTACLE PANEL
TBB	TELEPHONE BACKBOARD
TYP.	TYPICAL
WG	WIRE GUARD
WP	WEATHERPROOF
UON	UNLESS OTHERWISE NOTED.

POWER SYMBOL LIST	
SYMBOL	DESCRIPTION
	TIME CLOCK
	CONTACTOR
	HARD WIRE CONNECTION BY ELECTRICAL CONTRACTOR
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET MOUNTED 6" ABOVE FINISH COUNTER
	CEILING MOUNTED DUPLEX RECEPTACLE OUTLET
	EMERGENCY DUPLEX RECEPTACLE OUTLET
	DEDICATED DUPLEX RECEPTACLE OUTLET
	QUAD RECEPTACLE OUTLET
	DEDICATED QUAD RECEPTACLE OUTLET
	FLOOR MOUNTED DUPLEX RECEPTACLE OUTLET
	NEMA RECEPTACLE OUTLET (CONFIGURATION AS NOTED)
	PLUG STRIP
	JUNCTION BOX (C=CEILING MOUNTED)
	RECEPTACLE PANEL
	LIGHTING PANEL
	DISTRIBUTION/EQUIPMENT POWER PANEL
	TRANSFORMER
	SINGLE PHASE MOTOR
	THREE PHASE MOTOR
	CONDUIT DOWN
	CONDUIT UP
	GROUNDING ROD
	GROUND
	GROUNDING BAR
	METER
	NON-FUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MAGNETIC MOTOR STARTER
	MOTOR RATED SWITCH
	TRANSIENT VOLTAGE SURGE SUPPRESSOR

AUXILIARY SYST. SYMBOL LIST	
SYMBOL	DESCRIPTION
	TELEPHONE OUTLET
	FLOOR MOUNTED TELEPHONE OUTLET BOX (TYP.)
	TELEPHONE OUTLET MOUNTED 6" ABOVE FINISHED COUNTER
	DATA OUTLET
	COMBINATION OUTLET (VOICE, VIDEO, AND/OR DATA)
	CEILING MOUNTED OUTLET BOX (TYP.)
	PUSH BUTTON
	BELL
	CARD READER
	MAGNETIC DOOR HOLD
	TELEVISION OUTLET
	WALL CLOCK
	DOUBLE SIDED WALL CLOCK
	COMBINATION WALL CLOCK / SPEAKER
	SPEAKER
	CAMERA

APPLICABLE CODES AND REGULATIONS	
YEAR	CODE
2014	MICHIGAN ELECTRICAL CODE RULES, PART 8
2014	NATIONAL ELECTRICAL CODE (NFPA 70)
2012	MICHIGAN BUILDING CODE
2012	MICHIGAN REHABILITATION CODE FOR EXISTING BUILDINGS
2009	MICHIGAN RESIDENTIAL CODE
2009	MICHIGAN UNIFORM ENERGY CODE
2010	NFPA 20
2010	NFPA 72
2012	NFPA 101
2010	NFPA 110
2009	ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS & FACILITIES

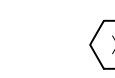
DRAWING INDEX	
Sheet Number	Sheet Title
E000	ELECTRICAL GENERAL INFORMATION
ESD100	ELECTRICAL DEMOLITION - SITE PLAN
ESP100	ELECTRICAL - SITE PLAN
ED200	ELECTRICAL DEMOLITION PLAN
ED200.1	ELECTRICAL DEMOLITION PLAN - ALTERNATE
EP200	ELECTRICAL POWER PLAN
EP200.1	ELECTRICAL POWER PLAN - ALTERNATE
EL200	ELECTRICAL LIGHTING PLAN
EL200.1	ELECTRICAL LIGHTING PLAN - ALTERNATE
E202	ELECTRICAL ROOF PLAN
E202.1	ELECTRICAL ROOF PLAN - ALTERNATE
E600	ELECTRICAL SCHEDULES & ONE-LINE DIAGRAMS
E600.1	ELECTRICAL SCHEDULES & ONE-LINE DIAGRAMS - ALTERNATE
E700	ELECTRICAL DETAILS
E701	LIGHTING CONTROLS

DRAWING NOTATION	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE TAG
	CONSTRUCTION KEY NOTE NUMBER 1
	DEMOLITION KEY NOTE NUMBER 1
	EQUIPMENT DESIGNATION (I.E. EXHAUST FAN NUMBER 1)
	EXISTING DEVICES OR EQUIPMENT
	NEW OR MODIFIED DEVICES OR EQUIPMENT
	NEW OR MODIFIED UNDERGROUND WIRING
	EXISTING SYSTEM COMPONENT TO BE REMOVED



LIGHTING GENERAL NOTES

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES UNLESS OTHERWISE NOTED.
2. ANY 120 VOLT BRANCH CIRCUIT FEEDER LONGER THAN 75'-0" TO LAST DEVICE SHALL BE SIZED TO THE NEXT LARGER STANDARD AWG SIZE. E.C. SHALL FIELD VERIFY ALL LENGTHS OF FEEDERS.
3. SEE LUMINAIRE SCHEDULE ON ELECTRICAL GENERAL INFORMATION SHEET.
4. ALL ELECTRICAL DEVICES ON THIS SHEET SHALL BE NEW UNLESS OTHERWISE NOTED.
5. EXIT LIGHTS AND EMERGENCY BATTERY UNITS SHALL BE UNCONTROLLED AND TIED AHEAD OF LOCAL AREA LIGHTING SWITCH, UNLESS CIRCUTED OTHERWISE.
6. WHERE MORE THAN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER ONE COMMON FACEPLATE.



KEYED NOTES

1. NEW INVERTER FOR EMERGENCY LIGHTS. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION. INVERTER SHALL BE BY CONTROLLED POWER COMPANY, MODEL ELC-AAX-2kW-OS 1. CIRCUIT AS SHOWN ON PLAN.
2. MOUNT LIGHT FIXTURE FACING CEILING ON TOP OF VESTIBULE LID TO UPLIGHT STRUCTURE ABOVE.
3. SEE ARCH DETAIL 1/AS11 FOR MOUNTING DETAIL OF WALL GRAZER.
4. PROVIDE NEW SINGLE CIRCUIT LIGHTING TRACK TYPE T1. CONNECT TO EXISTING FIXTURE JUNCTION BOX ON BACK OF BEAM. USE EXISTING CIRCUIT WIRING BETWEEN TRACK RUNS.
5. PROVIDE NEW TWO CIRCUIT LIGHTING TRACK TYPE T2. CONNECT TO EXISTING FIXTURE JUNCTION BOX ON BACK OF BEAM. USE EXISTING CIRCUIT WIRING BETWEEN TRACK RUNS.
6. PROVIDE EMERGENCY LIGHTING MINI-INVERTER SIMILAR TO BODINE EU-S-100 FOR EMERGENCY EGRESS ILLUMINATION OF LIGHTS.
7. REMOTE DRIVERS FOR MULTI-PURPOSE ROOM TAPE LIGHT TO BE LOCATED ABOVE ACCESSIBLE CEILING.

WHEN REUSING EXISTING BRANCH CIRCUIT, FIELD VERIFY EXACT CIRCUIT BREAKER AND USE NEXT AVAILABLE SPARE IF PANEL SCHEDULE DOESN'T MATCH. UPDATE PANEL SCHEDULES TO REFLECT NEW WORK.

TRACK FIXTURE KEY
▽ = FHT1 AIMED DOWN
▲ = FHT2 AIMED UP