KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET
6125 FOURTEENTH STREET DETROIT, MI

DRAWING INDEX

NUMBER	SHEET NAME	SUBMISSIONS 50% CD	100%CD	BID SET
G001	COVER SHEET	■		
G002	LEGENDS, SYMBOLS, ABBREVIATIONS	■		
G003	COMPOSITE ROOF ZONE KEY PLAN	■		
S-001	GENERAL STRUCUTRAL NOTES	■		
S-100	FRAMING PLANS	■		
S-300	SECTION AND DETAILS	■		
AD110	DEMOLITION ROOF PLANS	■		
AD201	DEMOLITION ELEVATIONS	■		
AD202	DEMOLITION ELEVATIONS	■		
A110	ROOF PLANS	■		
A201	ELEVATIONS	■		
A202	ELEVATIONS & SECTIONS	■		
A301	DETAILS	■		

Grand total: 13

PROJECT TEAM

QUINN EVANS

ARCHITECT
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.3462.2550

RESURGET ENGINEERING

STRUCTURAL
28 W ADAMS AVE SUITE 1710
SUITE 1710
DETROIT, MI 48226
V 313.315.3290

VICINITY MAPS

PLAN NORTH

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No. Date Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

QEA No.42134130

50% CD SET
1/24/2022

COVER SHEET

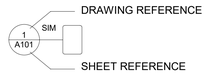
G001

ABBREVIATIONS

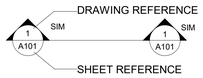
TRZ	T
A/C	AIR CONDITIONING
A/E	ARCHITECT / ENGINEER
ABV	ABOVE
ACCESS	ACCESSIBLE
ACP	ACOUSTICAL CEILING PANEL
ACST	ACOUSTIC
AD	AREA DRAIN
ADA	AMERICANS WITH DISABILITIES ACT
ADD'L	ADDITIONAL
ADJ	ADJACENT/ADJUST
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINIUM
APPROX	APPROXIMATE(LY)
ARCH	ARCHITECT(URAL, URE)
ASPH	ASPHALT(IC)
ASSOC	ASSOCIATED
AUTO	AUTOMATIC
AVG	AVERAGE
AWP	ACOUSTICAL WALL PANEL
BBT	BIO-BASED TILE
BC	BRICK COURSE
BD	BOARD
BIT	BITUMINOUS, BITUMEN
BLDG	BUILDING
BLKG	BLOCKING
BLKHD	BULKHEAD
BLW	BELOW
BM	BEAM
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BR	BRASS OR BRONZE
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
C-C	CENTER TO CENTER
CAB	CABINET
CEM	CEMENT
CFS	COLD FORMED STEEL
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COM	COMMUNICATIONS
CONC	CONCRETE
COND	CONDITION
CONFIG(S)	CONFIGURATION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CPT	CARPET(ED)
CT	CERAMIC TILE
CTR	CENTER
D	DEEP/DEPTH
DBL	DOUBLE
DEG	DEGREE
DEMO	DEMOLISH, DEMOLITION
DETER	DETERIORATING, DETERIORATED
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DIV	DIVIDE
DN	DOWN
DR	DOOR, DRAIN
DS	DOWNSPOUT
DTL	DETAIL
DWG(S)	DRAWING(S)
DWR	DRAWER
E	EAST
E-P	EPOXY PAINT
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION (TOPO)
ELEC	ELECTRICAL
ELEV	ELEVATION (ARCH), ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOS(E,URE)
ENGR	ENGINEER
ENTR	ENTRANCE
EOS	EDGE OF SLAB
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EXPANDED POLYSTYRENE BOARD
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE(D)
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXHB	EXHIBIT
EXIST	EXISTING
EXP	EXPOSED, EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FAS	FASTEN(ER)
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH(ED) FACE
FF&E	FURNITURE, FIXTURES & EQUIPMENT
FH	FIRE HOSE, FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN(S)	FINISH(ES)
FIXT	FIXTURE
FL	FLOOR(ING)
FLAM	FLAMMABLE
FLUOR	FLUORESCENT
FO	FINISHED OPENING
FOS	FACE OF STUDS
FP	FIRE PROTECTION
FR	FRAME(D,ING), FIRE RATING, FIRE RESISTANT
FT	FEET
FTG	FOOTING
FUR	FURR(ED,ING)
FWC	FABRIC WALL COVERING
G	NATURAL GAS
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACT(OR)
GEN	GENERATOR
GF	GLASS FILM
GFRC	GLASS-FIBER-REINFORCED CONCRETE
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GFRP	GLASS-FIBER-REINFORCED POLYESTER, GLASS-FIBER-REINFORCED PLASTIC
GL	GLASS, GLAZING
GLU LAM	GLUE LAMINATED WOOD
GOVT	GOVERNMENT
GT	GROUT
GWB	GYPSUM WALLBOARD
H	HIGH
HAZ MAT	HAZARDOUS MATERIAL
HB	HOSE BIBB
HC	HOLLOW CORE, HOSE CABINET
HCWD	HOLLOW CORE WOOD DOOR
HD	HEAVY DUTY
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HID	HIGH INTENSITY DISCHARGE
HM	HOLLOW METAL
HORIZ	HORIZONTAL(LY)
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT(S)
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
ILO	IN LIEU OF
IN	INCH(ES)
INCAN	INCANDESCENT
INCL	INCLUDE(S,D,ING)
INFO	INFORMATION
INSUL	INSULATION, INSULATED
INT	INTERIOR
INV	INVERT
IRMA	INVERTED ROOF MEMBRANE ASSEMBLY
J-BOX	JUNCTION BOX
JAN	JANITOR
JT(S)	JOINT(S)
KIT	KITCHEN
KO	KNOCK OUT
L	ANGLE
LAM	LAMINATE(D)
LAV	LAVATORY
LBL	LABEL
LH	LEFT HAND
LHR	LEFTHAND REVERSE
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LTG	LIGHTING
LV	LOW VOLTAGE
LVT	LUXURY VINYL TILE
LW	LIGHT WEIGHT
MAS	MASONRY
MATL	MATERIAL(S)
MAX	MAXIMUM
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURE(R)
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD BIT	MODIFIED BITUMEN
MR	MLISTURE RESISTANT
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NC	NOISE CRITERIA, NORMALLY CLOSED
NIC	NOT IN CONTRACT, NOISE ISOLATION CLASS
NO('S)	NUMBER(S), NORMALLY OPEN
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O-O	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF/CI	OWNER FURNISHED / CONTRACTOR INSTALLED
OFC	OFFICE
OH	OPPOSITE HAND, OVERHEAD
OPNG	OPENING(S)
ORIG	ORIGINAL
PA	PUBLIC ADDRESS
PAR	PARALLEL
PART	PARTITION(S), PARTIAL
PC	PRECAST
PERF	PERFORATE(D)
PL	PLATE, PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLWD	PLYWOOD
PNL	PANEL(ED)
POL	POLISHED
POLY	POLYETHYLENE
PR	PAIR
PREP	PREPARE (SURFACE)
PROV	PROVIDE(D)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT, POST-TENSIONED, PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
QTY	QUANTITY
QUAD	QUADRANT
QZ	QUARTZ
QZT	QUARTZ TILE
R	RADIUS, RISER, THERMAL RESISTANCE
RB	RUBBER BASE
RBR	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
REF	REFERENCE
REG	REGISTER, REGULATION
REINF	REINFORCED
REPL	REPLACE
REQ	REQUIRED
RES	RESILIENT
RET	RETAINING, RETURN
REV	REVISION(S) / REVISE(D)
RFG	ROOFING
RFG	ROOFING
RH	RIGHT HAND, RELATIVE HUMIDITY
RHR	RIGHT HAND REVERSE
RL	RAIN LEADER
RM	ROOM
RO	ROUGH OPENING
RS	RESILIENT SHEET
RTF	RUBBER TILE FLOOR
RTU	ROOF TOP UNIT
RV	ROOF VENTILATOR
S	SOUTH, SEAL
SAB	SOUND ATTENUATION BATT
SALV	SALVAGE
SAN	SANITARY
SB	SPLASH BLOCK
SC	SOLID CORE
SCHED	SCHEDULE
SCT	STRUCTURAL CLAY TILE
SCWD	SOLID CORE WOOD DOOR
SDT	STANDARD DISSIPATIVE TILE
SEC	SECURE, SECURITY
SECT	SECTION
SF	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SLD	SEALED
SLL	SOUND / LIGHT LOCK
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
ST	STONE
STD	STANDARD
STL	STEEL
STN	STAIN
STO	STORAGE
STRUC	STRUCTURAL
SUB	SUBSTITUTION
SUSP	SUSPENDED
SYS	SYSTEM
T	THICK, TREAD, TOILET
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TBB	TILE BACKER BOARD
TECH	TECHNOLOGY
TEL	TELEPHONE
TEMP	TEMPORARY, TEMPERED
THRS	THRESHOLD
THRU	THROUGH
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSPARENT
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UH	UNIT HEATER
UIO	UNLESS INDICATED OTHERWISE
UL	UNDERWRITER'S LABORATORY
UNFIN	UNFINISHED
UR	URINAL
VAR	VARIES
VAT	VINYL ASBESTOS TILE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VTR	VENT THROUHG ROOF
VU	VENTILATION UNIT
VWC	VINYL WALLCOVERING
W	WEST, WIDE, WIDE FLANGE
W-W	WALL TO WALL
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WALL HEATER
WP	WATERPROOFING, WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
X BRACE	CROSS BRACING
XFER	TRANSFER
YD	YARD, YARD DRAIN
#	NUMBER, POUND
&	AND
@	AT
±	PLUS / MINUS

GRAPHIC SYMBOLS

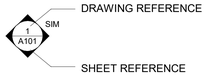
DETAIL / PLAN



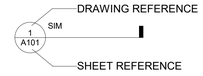
BLDG SECTION CUT



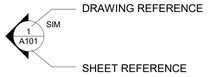
INTERIOR ELEVATION



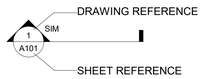
DETAIL CUT



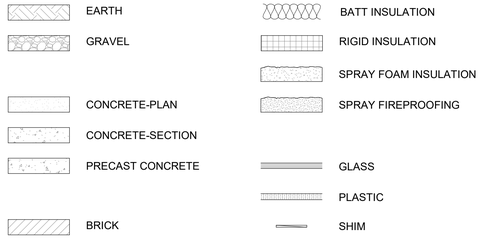
EXTERIOR ELEVATION



WALL SECTION CUT



MATERIAL SYMBOLS



SYMBOLS

GENERAL PROJECT NOTES

G 1	PERFORM WORK IN ACCORDANCE WITH APPLICABLE LAWS, ORDINANCES, CODES AND REQUIREMENTS. GENERAL CONTRACTOR SHALL OBTAIN ALL PERMITS AND APPROVALS AS REQUIRED FOR THE COMPLETION OF THE WORK BY THE AUTHORITY HAVING JURISDICTION.
G 2	EXISTING GROUND ELEVATION IDENTIFIED AS 100'-0" IN DRAWINGS. CONTRACTOR TO VERIFY FLOOR TO FLOOR HEIGHTS.
G 3	BUILDING IS UNOCCUPIED AND WILL REMAIN AS SUCH DURING CONSTRUCTION. CONTRACTOR TO COORDINATE ACCESS AND SECURING OF BUILDING AND WORK AREA WITH OWNER.
G 4	ALTHOUGH INTENDED TO CONVEY APPROPRIATE INFORMATION, THESE DRAWINGS HAVE BEEN PREPARED FROM LIMITED FIELD MEASUREMENTS. AS SUCH, DRAWINGS MAY CONTAIN DISCREPANCIES DUE TO CONCEALED CONDITIONS, ABSENCE OF EXISTING DRAWINGS, INACCESSIBLE LOCATIONS, UNRECORDED BUILDING ALTERATIONS, AND MISSING OR DETERIORATED ELEMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND MEASUREMENTS. NOTIFY ARCHITECT REGARDING DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS PRIOR TO COMMENCING WORK.
G 5	BUILDING INTERIOR CONTAINS DEBRIS FROM STRUCTURE DETERIORATION AND EXPOSURE TO THE ELEMENTS. CONTRACTOR TO COORDINATE CLEAR PATHS FOR ACCESS TO AND EGRESS FROM AREAS OF WORK WITH OWNER.
G 6	FLOOR AREAS AND STRUCTURE DIRECTLY BELOW AND ADJACENT TO AREAS OPEN TO THE ELEMENTS ARE TO BE CONSIDERED UNSAFE FOR OCCUPANCY, CIRCULATION OR STORAGE.
G 7	OCCUPANCY IS NOT TO OCCUR ON, AND WORK IS NOT TO BE PERFORMED FROM, WOOD FRAMED ROOF AREAS WHERE ROOFING IS NOT BEING REMOVED AND CONDITION OF DECKING AND FRAMING IS NOT VISIBLE AND STRUCTURAL INTEGRITY IS NOT ABLE TO BE CONFIRMED. CONTRACTOR TO PROVIDE ALTERNATE MEANS OF STAGING AND ACCESS TO PERFORM SCOPE IN AREAS OF WORK.

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

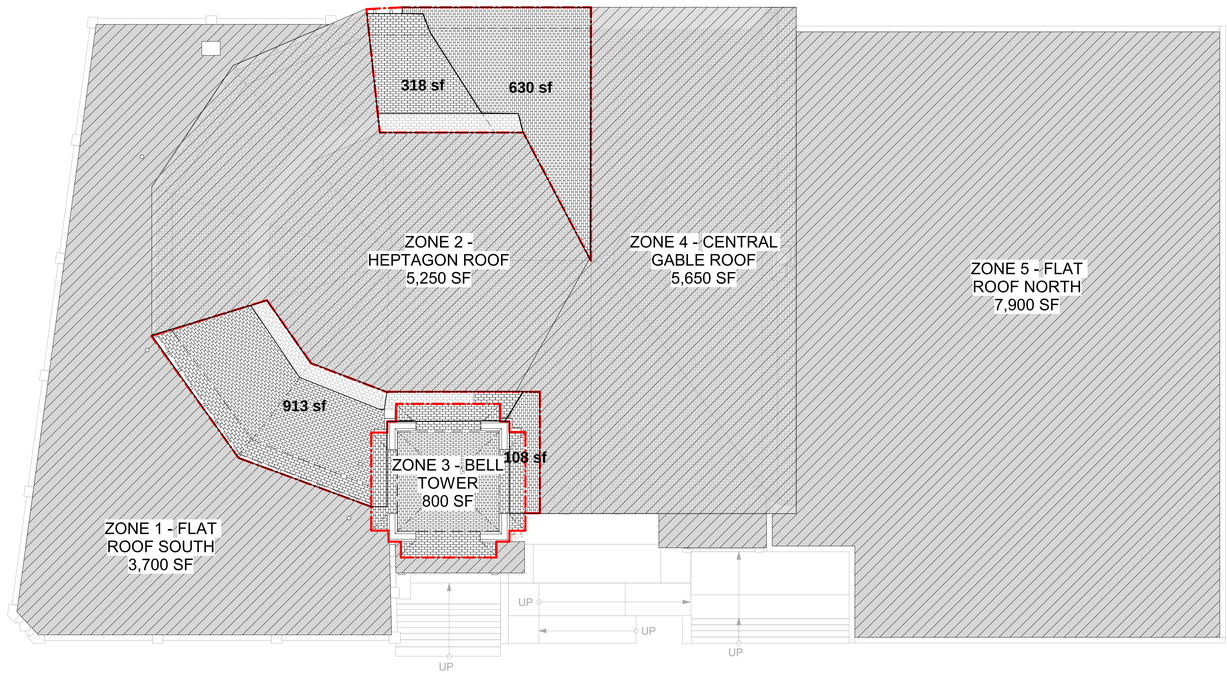
QEA No.42134130

50% CD SET
1/24/2022

LEGENDS, SYMBOLS, ABBREVIATIONS

G002

PATH & FILENAME: BIM 360:\King Solomon Baptist Church Roof Replacement\42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:24 PM



A5 / G003 COMPOSITE ROOF ZONE KEY PLAN

3/32" = 1'-0" REFERRED FROM:

SITE INFORMATION	
ADDRESS	6125 14TH ST DETROIT, MI
LEGAL DESCRIPTION)	W 14TH 34 THRU 38 PETER HUGHES 2ND SUB L26 P75 PLATS, W C R 10/57 39 AMENDED PLAT OF PETER HUGHES 2ND SUB L26 P85PLATS, W C R 10/56 216.12 IRREG
PARCEL ID #	10005106.
SCOPE OF WORK	EXISTING BUILDING ROOF REPAIRS
PROPERTY CLASS	201 - COMMERCIAL
PROPERTY USE	22650 - RELIGIOUS STRUCTURE/USE
ZONING	B4
# OF BUILDINGS/ STRUCTURES	4
TOTAL AREA (SF)	35909
TOTAL ACREAGE	.526 AC
DEPTH X FRONTAGE (FT)	106 X 216

SOURCE CITY OF DETROIT PARCEL VIEWER

ROOF ZONE LEGEND

NIC - Not In Contract

Area of Work

QUINN EVANS

4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201

v 313.462.2550

QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL

DRAWN BY: S. RUTLAND

QEA No.42134130

50% CD SET
1/24/2022

COMPOSITE ROOF ZONE KEY PLAN

G003

PATH & FILENAME: BIM 360://King Solomon Baptist Church Roof Replacement/42134130_King Solomon Church (joint cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:25 PM

STATEMENT OF SPECIAL INSPECTIONS - WOOD CONSTRUCTION

TASK		INSPECTION FREQUENCY		REFERENCED STANDARD	MBC REFERENCE	RESPONSIBLE AGENT
		CONTINUOUS	PERIODIC			
1. PRE-FABRICATED WOOD						
	A. INSPECTION OF FABRICATION PROCESS OF PRE-FABRICATED WOOD STRUCTURAL ELEMENTS.	-	X	MANUFACTURER'S FABRICATION AND QUALITY CONTROL PROCEDURES	1704.2.5, 1705.5	SI

SPECIAL INSPECTION NOTES

1. PERFORM SPECIAL INSPECTIONS IN ACCORDANCE WITH THE 2015 MICHIGAN (INTERNATIONAL) BUILDING CODE CHAPTER 17 AND AS MODIFIED IN THE MATERIAL SPECIFIC STATEMENTS OF SPECIAL INSPECTION.
2. DESGINATION OF RESPONSIBLE AGENT AND THEIR QUALIFICATIONS

   SI SPECIAL INSPECTOR QUALIFIED WITH DEMONSTRATED COMPETENCE DOCUMENTED BY CERTIFICATIONS FROM RECOGNIZED AGENCIES SUCH AS AWS, ACI, MASONRY INSTITUTE OF MICHIGAN (MIM), ETC., AS SUBMITTED AND APPROVED BY THE BUILDING OFFICIAL. SPECIAL INSPECTOR MAY BE A FIRM WITH MULTIPLE SPECIALISTS AND A PROJECT MANAGER PROVIDING REPORTS.

   TA TESTING AGENCY QUALIFIED TO TEST AND INSPECT MATERIALS AND ASSEMBLIES. TESTING AGENCY SHALL BE UNDER THE SUPERVISION OF THE SPECIAL INSPECTOR.

   GE GEOTECHNICAL ENGINEER WHO PROVIDED THE ORIGINAL PROJECT GEOTECHNICAL SOILS INVESTIGATION REPORT.

   SE SPECIALTY ENGINEER RESPONSIBLE FOR DESIGNING ASSEMBLIES SUCH AS PRECAST CONCRETE, STEEL JOISTS, COLD FORMED FRAMING ASSEMBLIES, ETC. SPECIALTY ENGINEER SHALL PROVIDE OBSERVATION OF FABRICATED AND INSTALLED ITEMS OF THEIR DESIGN IN ADDITION TO THE SPECIAL INSPECTION.
3. TA, GE AND SE SHALL SUBMIT RECORDS OF THE INSPECTION RESULTS TO THE SI. THE SI SHALL COMPILE AND SUBMIT INSPECTION RECORDS TO THE ARCHITECT/ENGINEER AND BUILDING OFFICIAL. RECORDS SHALL INCLUDE STATEMENTS OF TESTS, WHETHER INSTALLED/FABRICATED ITEM COMPLIES WITH CONTRACT DOCUMENTS, REMEDIAL WORK PERFORMED, RETESTS.
4. SI SHALL PROVIDE A DAILY REPORT OF ANY DISCREPANCIES FROM THE CONTRACT DOCUMENTS FOUND ON THE SAME DAY OF THE INSPECTION TO THE ENGINEER OF RECORD. FORMAL REPORTS OF COMPLIANCE CAN FOLLOW BY A MAXIMUM OF 2 WEEKS. SI SHALL PROVIDE AND SIGN FINAL REPORT WITH A SUMMARY OF ALL TESTS PERFORMED AND RESULTS TO THE ENGINEER OF RECORD AND BUILDING OFFICIAL, IN ACCORDANCE WITH SECTION 1704.2.4.
5. SI, TA & GE SHALL BE PAID BY THE OWNER IN COMPLIANCE WITH THE MICHIGAN (INTERNATIONAL) BUILDING CODE.
6. WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION. SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE FABRICATOR MAINTAINS APPROVED DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR CONTROL OF THE WORKMANSHIP AND THE FABRICATOR'S ABILITY TO CONFORM TO APPROVED CONSTRUCTION DOCUMENTS AND THE GOVERNING BUILDING CODE. APPROVAL SHALL BE BASED UPON REVIEW OF FABRICATION AND QUALITY CONTROL PROCEDURES AND PERIODIC INSPECTION OF FABRICATION PRACTICES BY THE BUILDING OFFICIAL. SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.5.1.
7. REFER TO MATERIAL SPECIFIC STATEMENTS OF SPECIAL INSPECTION AND GENERAL STRUCTURAL NOTES FOR ADDITIONAL QUALITY CONTROL TESTING AND INSPECTIONS.

DECK AND SLAB SYMBOLS

RD-# — THICKNESS IN INCHES; SPAN DIRECTION — ROOF DECK MARK

SPECIAL CHARACTERS

- ø Diameter, Small
- Ø Diameter, Large
- ° Degree
- • Bullet Point, Rd, Small
- ● Bullet Point, Rd, Large
- ▪ Bullet Point, Sq, Small
- ■ Bullet Point, Sq, Large
- ± Plus or minus

ABBREVIATIONS

ADD	ADDITIONAL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BF	BRACED FRAME
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BP	BEARING PLATE
BRG	BEARING
CANT	CANTILEVERED
CFMF	COLD FORMED METAL FRAMING
CIP	CAST IN PLACE
CJ	CONTROL OR CONSTRUCTION JOINT
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS OR CONTINUATION
CONTR	CONTRACTOR
COORD	COORDINATE
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSIONS
DWG	DRAWING
EF	EACH FACE
EL	ELEVATION
EQ	EQUAL
EW	EACH WAY
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
FF	FINISH FLOOR
FOUND	FOUNDATION
FTG	FOOTING
GALV	GALVANIZED
GB	GRADE BEAM
HORIZ	HORIZONTAL
INT	INTERIOR
JT	JOINT
LLBB	LONG LEGS BACK TO BACK
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MP	MASONRY PIER
NIC	NOT IN CONTRACT
OC	ON CENTER
OD	OVERFLOW ROOF DRAIN
OH	OPPOSITE HAND
OPNG	OPENING
PC	PRECAST
PERIM	PERIMETER
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RD	ROOF DECK
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
RTU	ROOF TOP UNIT
SIM	SIMILAR
SLBB	SHORT LEG BACK TO BACK
SOG	SLAB ON GRADE
SP	SPACING
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOSLAB	TOP OF SLAB
TOS	TOP OF STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/O	WITHOUT
WWF	WELDED WIRE FABRIC

WOOD

1. Framing Lumber: Spruce Pine Fur No. 2 or better or as noted otherwise.
2. Laminated Veneer Lumber (LVL): All LVL members shall have the following minimum properties: Fb = 2600 psi, Fv = 285 psi, E = 1900 ksi.
3. TimberStrand (LSL): All LSL members shall have the following minimum properties: Fb = 1700 psi, Fc^ = 635 psi, E = 1300 ksi.
4. Parallam (PSL): All PSL posts shall have the following minimum properties: Fb = 2400 psi, Fc parallel to grain = 2500 psi, E = 1800 ksi
5. Wolmanized Parallam (WPSL): All exterior exposed posts shall be WPSL posts shall have the following minimum properties: Fb = 1728 psi, Fc parallel to grain = 1450 psi, E = 1566 ksi.
6. Wood Structural Panel Sheathing: All panels shall be and rated by the American Plywood Association (APA).
7. Nails: Standard Common with the following minimum penetrations into support member:
   - 6d (diameter 0.113") with 1.25" penetration
   - 8d (diameter 0.131") with 1.50" penetration
   - 10d (diameter 0.148") with 1.63" penetration
   - 16d (diameter 0.162") with 1.75" penetration
8. Bolts for connections: ASTM A307 with ASTM A563 heavy hex nuts and hardened washers, Grade A, unless noted otherwise.
9. Special Treatments (American Wood Preservers Institute Standards): All wood in contact with concrete, masonry or soil: Pressure treated with Wolman CCA preservative or equal.
10. Minimum Nailing Requirements (See drawings for areas with greater requirements):
    A. Roof: Nail all sheathing panels with 8d common nails at 6" o.c. at all supported edges and at 12" o.c. at all intermediate supports. Use two plyclips between each support for spans of 48" o.c. and one plyclip between each support for lesser spans at all unsupported panel edges.
    B. Floor: Nail all sheathing panels with 8d common nails at 6" o.c. at all supported edges and 8d at 10" o.c. at all intermediate supports.
    C. Walls: Nail all sheathing panels with 8d common nails at 6" o.c. at all edges and at 12" o.c. at all intermediate supports (3/8" or 7/16" panels on studs spaced at 24" o.c. requires 6" spacing at all intermediate supports). Solid block all panel edges.
11. General Framing and Carpentry: Connect all items as per NDS "Fastening Schedule", unless noted otherwise.
12. Framing Connections
    A. All Framing connections not shown or otherwise indicated on the drawings shall be connected in a manner similar to the connections shown in the drawings or with approved Simpson Strong-Tie Connectors or Equal. The following notations refer to Simpson Strong-Tie Connectors:
    - Joist and Rafters: "U" or "F" hangers as required.
    - Beams: "EG" Hangers and "HGLB" Beam Seats.
    - Hinge connectors: "HCCT."
    - Columns: "CC" Caps and "CB" Column Bases.
    - Hold Down Anchors: "HDU" and "HTT."
13. Blocking, Bridging, and Bracing: Provide solid shaped blocking at least 2" (nominal) thick and full depth of joist at ends and at each support of joist. Provide approved bridging at 8'-0" o.c. maximum between joist end supports. Solid blocking between joists shall be nailed to the wood plate at the top of the wall with one Simpson "A35" framing anchor per each piece of blocking. Fill all holes in the framing anchors with 8-d short nails.
14. Laminated built-up beams of 2X member 12 in. or less in depth shall be spiked together with not less than 16-d spikes at twelve-inch (12 in.) centers, staggered. Unless so spiked, or if the depth of beam is more than twelve inches (12 in.), the laminations shall be connected together with 1/2" diameter bolts at 24 in. o.c. staggered. Bolts shall be placed 1/4 the depth of the member from the top and bottom of the member.
15. Pre-fabricated Steel Plate Wood Trusses:
    A. Design Loading: The truss manufacturer is responsible for design and fabrication of the trusses. They shall be designed to support the concentrated and other distributed loads as shown on the framing plans in addition to the following uniform loads:
    - Roof Trusses:
      - Dead Load (Top Chord) = 10 psf
      - Dead Load (Bottom Chord) = 15 psf
      - Live Load (Top Chord) = 20 psf
      - Wind loading per load maps
      - Total load deflection limit = span/240
      - Live load deflection limit = span/360

    B. Correlate the design with all mechanical equipment, fire sprinkling systems and hanging walls supported by the trusses. Provide extra trusses where required.
    C. Submittals: Complete calculations and shop drawings indicating all member forces, stresses, lumber grades, dimensions, steel truss plate sizes and locations shall be submitted and reviewed by the engineer before fabrication. Each connector shall be dimensioned on the shop drawings as to its exact location at the joint. Shop drawings and calculations shall bear the seal of a professional engineer licensed in the State of the Project. After truss installation, the fabricator shall certify in writing that the trusses have been installed according to his specifications.
    D. Steel Connector Plates: Use only galvanized steel connector plates that comply with the Truss Plate Institute publication, TPI 1-1995. All steel connector plates must be approved by the International Conference of Building Officials Evaluation Services. Submit a copy of the ICBO Report for the connector plate used. Values established by this committee must be indicated on the shop drawings.
    - The minimum size for any connector shall be 15 square inches.
    - All steel gusset plates shall be located on the joint as the stresses require and shall provide a minimum bite of 2.5" length on all tension members.
    - Plates shall be pressed or rolled into member to obtain full penetration without crushing the outer surfaces of wood.
    - Steel plates at compression web members shall be designed to resist 100% of the compression force without considering wood to wood bearing.
    - All steel plate dimensions shall be increased by 10% above that required by analysis. Stress increases for steel connector plate values for duration of load are not allowed.

    E. Wood Members: All wood members of the truss shall be constructed of kiln dried lumber. The trusses shall be handled and stored in a manner to prevent moisture from being absorbed by the wood. Grade stamps shall be visible on framing members. Splices in chords shall occur at 1/4 of the panel span from a joint.
    F. The trusses shall be designed by the truss supplier according to the following criteria:
    - Bending moments in the top and bottom chords shall be based on the following moment coefficients:
      - 1/8 for one and two continuous span conditions.
      - 1/10 for three or more continuous span conditions.
    - Web members shall be designed using an effective length factor: K = 1.0

    G. Lateral Bracing: Lateral bracing and bridging may be required by the design of the pre-fabricated wood roof truss to reduce the buckling length of individual truss members and provide stability during erection. This bracing or bridging may be in the form of 2 x 4 horizontal bracing or bridging with 2 x 4 cross-bracing spaced at 24'-0" o.c. maximum and at each end of the bracing or bridging. The 2 x 4 cross bridging shall be connected to the truss top chord and the horizontal bridging with Simpson A35 each end. Locations of the lateral bracing and truss bridging is to be supplied and installed at the location specified on the pre-fabricated wood roof truss design drawings by the General Contractor.
    H. Other requirements for truss stability and erection shall comply with the Truss Plate Institute publications entitled "Commentary and Recommendations for Bracing Wood Trusses" and "Commentary and Recommendations for Handling and Erecting Wood Trusses." The contractor shall have copies of these publications on site and shall be familiar with their contents.
    I. Prior to the fabrication of the pre-fabricated wood trusses, the contractor shall submit, in writing, proof of compliance of in-plant inspection by an ICBO approved independent inspection agency. The in-plant inspections shall comply with section 1704.2 of the International Building Code.
    J. The truss manufacturer's identification stamp shall be clearly visible.

POST-INSTALLED ANCHORS IN CONCRETE

1. Expansion anchors
   A. Expansion Anchors shall be per CODE requirements
   B. Expansion Anchors shall be: Kwik-Bolt TZ (ESR-1917) by Hilti, Power-Stud+ SD2 (ESR-2502) by Power Fasteners, Strong Bolt (ESR-1771) by Simpson, TruBolt+ (ESR-2427) by ITW Red Head or approved equal.
   C. For interior condition use carbon steel anchors and for exterior condition use stainless steel anchors
   D. Tension test 50% of all expansion anchors to test load provided by manufacturer
2. Adhesive anchors
   A. Comply with CODE requirements.
   B. Adhesive anchors shall be: HIT-HY 200 (ESR-3187) by Hilti, HIT-RE 500 SD (ESR-2732) by Hilti, Set-XP (ESR-2508) by Simpson, or approved equal.
   C. For interior condition use carbon steel anchors and for exterior condition use stainless steel anchors
   D. Tension test 50% of all expansion anchors to test load provided by manufacturer.

SPECIAL INSPECTIONS

1. Special inspections shall be provided by the Owner's Testing Lab in according to the code and the project specifications. The special inspector shall observe the work for conformance with the construction documents. The special inspector shall send reports to the inspector of record, architect, engineer, contractor and Owner. All discrepancies shall be brought to the attention of the contractor for correction. When work is done to the satisfaction of the inspector, then the special inspector shall submit a final signed report stating that, to the best of their knowledge, the work was competed in conformance with the plans, specifications, and the applicable workmanship provisions of the CODE.
2. Refer to Special Inspection tables and notes for specific requirements.

EXISTING CONSTRUCTION

1. Before submitting a proposal for work, and/or preparing shop drawings for this work each Bidder, Contractor and Sub-Contractor shall visit the site and become fully acquainted with the existing conditions, temporary construction required, type of equipment required to perform the work.
2. Field verify all existing dimensions, conditions, members sizes and elevations with the information provided on the drawings. Information provided on drawings is based on limited field observations and available existing drawings which may not reflect actual conditions. Discrepancies to be noted and immediately brought to the attention of the Structural Engineer.
3. Provide temporary shoring and bracing as required before, during and after construction as required until all materials have reached the required strength and stability.
4. Existing construction not undergoing alteration is to remain undisturbed. Where such construction is disturbed as a result of the operations of this contract, Contractor shall repair or replace as required and to the satisfaction of the Architect/Structural Engineer and Owner's Representative.
5. Verify the existence, location and elevation of existing utilities, sewers, drains, etc. in demolition areas and adjacent to new work before proceeding with the work. All discrepancies shall be documented and reported, do not proceed with work until discrepancies have been resolved.
6. Provide fire safety precautions during field cutting and welding operations, meeting the Owner's requirements.
7. Provide temporary protection of existing equipment during execution of work, satisfying the Owner's requirements.
8. Provide temporary protection to prevent damage from the weather and vandalism.
9. Coordinate work with the Owner's personnel to avoid any interference in their operations.
10. Refer to "SHORING AND BRACING" notes for additional requirements.

SHORING AND BRACING

1. Contractor shall provide temporary shoring and bracing of existing construction, new construction and underground utilities as follows:
   A. Where shown or noted on the Drawings.
   B. Where existing construction is to be altered or disturbed until permanent support is in place.
   C. Where existing construction is not undergoing alteration and is to remain undisturbed but is disturbed as a result of the work of this contract.
   D. As required for safe erection, installation of new construction, equipment, etc.
   E. When needed for Contractor's "means and methods" of construction, and other safety related issues.
2. Shoring and bracing shown on the Drawings is conceptual. Contractor shall be responsible for verifying existing conditions, shoring and bracing calculations, methods of installation, transfer of loads through to final load support, and work sequence phasing with new construction.
3. Shoring and bracing shall be performed by a Contractor with minimum 5 years demonstrated experience in similar size and scope of shoring and bracing projects.
4. Shoring and bracing shall be designed by a Professional Engineer registered in the State of the Project with minimum 5 years demonstrated experience in similar size and scope of shoring and bracing projects. Design loads and methods shall conform to applicable codes. Soil and material strengths shall be verified by tests, unless conservative estimates that do not affect deflections and deformations are approved by the Architect/Structural Engineer.
5. Contractor shall submit drawings and calculations sealed and signed by the Contractor's Professional Engineer showing complete design including temporary conditions, final conditions and sequence of work.
6. Before starting work, Contractor shall perform condition survey of the existing building structure, exterior façade and interior finishes, including photographic documentation and submit survey to the Owner for record.
7. During the shoring and bracing operations, Contractor shall:
   A. Keep the existing and new construction in a safe condition.
   B. Monitor existing and new construction to detect any signs of distress or deformation.
   C. Take immediate steps to prevent distress, deformation or damage.
8. Contractor shall continuously monitor the shoring and bracing system. Contractor shall review and ascertain that all field connections are completed according to the Contractor's design and issue approval for inspection of the work by the Testing Agency.
9. After completion of shoring and bracing and completion of work requiring shoring and bracing, Contractor shall repair any damage to the existing and new construction, without any cost to the Owner, and to the satisfaction of the Owner and Architect/Structural Engineer.

GENERAL NOTES

1. Governing Design Code: 2015 Michigan Building Code with local jurisdiction amendments (hereafter referred to as "CODE")
2. All construction shall be in accordance with the following:
   A. CODE
   B. Drawings and Specifications
3. The structural drawing notes are intended to work together and be complementary with the project specifications. Consult the specifications for additional requirements in each section. Information provided on structural drawings shall take precedence over the specifications. Information shown on specific details shall take precedence over typical details and structural notes.
4. Typical details and general notes shall apply, UNO.
5. The structural drawings shall be used in conjunction with the architectural drawings. See architectural drawings for information not shown, including but not limited to the following:
   A. Setting out dimensions and angles of all grid lines
   B. Setting out dimensions of concrete walls and wall openings that are not shown on the structural drawings.
   C. Dimensions not shown on the structural drawings
   D. Waterproofing system and details
6. Contractor is responsible for the coordinating all equipment pad sizes and locations with the actual layout provided in the shop drawings.
7. Drawing scales noted on structural drawings are for reference only. Do NOT scale drawings. The contractor shall verify dimensions not provided with the architect prior to proceeding with work.

STRUCTURAL OBSERVATIONS

1. Resurget Engineering shall provide Structural Observation of the structural systems for general conformance to the drawings and specifications at significant stages of construction and at completion of the primary structural system as defined in Code.
2. Structural Observation does not include or waive any of the responsibilities of the Special Inspector as required per the Section "Special Inspections".
3. At the conclusion of work included in permit, the structural observer will submit to the building official a written statement that the structural observations have been completed and that to the best of their knowledge the work is in conformation with the construction documents.
4. Structural Observation on this project shall be conducted on the following structural elements:
   A. Stick Built Wood Construction

SHOP DRAWINGS:

1. Verify all existing dimension before submitting shop drawings for review.
2. Review all shop drawings for accuracy and compliance with shop drawing before submitting for review. Review of shop drawings does not relieve the Contractor of any responsibility or errors and omissions.
3. Use of 2D Drawing or 3D REVIT model does not relieve the Contractor of any responsibility specified in the contract documents.
4. Allow a minimum of 10 working days for review by Structural Engineer of each set of submitted contract drawing. Submit shop drawings in reasonable quantities with at least 10 working days between submittals. Review time stated is for Structural Engineer only, add additional time to schedule as required for review by other disciplines.
5. Contractor shall coordinate work between multiple trades before submitting shop drawings. Dimensions and elevations specific to equipment installation shall be provided and coordinated prior to submittal for review. Failure to provide these dimensions shall result in return of shop drawings without review.
6. Structural Engineer is not responsible for coordination of work marked as "by others" on shop drawings.

DESIGN CRITERIA

Design is in accordance with CODE				CODE REFERENCE
Risk Category	III			IBC Table 1604.5 ASCE Table 1.5-1
FLOOR LIVE LOADS				CODE REFERENCE
ROOF	20 PSF			ASCE Table 4-1
SNOW LOADS				CODE REFERENCE
Ground Snow Load	Pg = 25 PSF			ASCE Figure 7-1
Flat Roof Snow Load	Pf = 22 PSF (minimum)			ASCE Section 7.3
Exposure Factor	Ce = 1.0			ASCE Table 7-2
Importance Factor	I = 1.1			ASCE Table 1.5-2
Thermal Factor	Ct = 1.0			ASCE Table 7-3
Snow loads adjacent to vertical projections, on lower roofs adjacent to high roofs, or sloped roofs are increased for the effects of drifting.				
WIND LOADS				CODE REFERENCE
Ultimate Design Wind...	V(ULTIMATE)= 120 MPH			ASCE Figure 26.5-1A
Nominal Design Wind Speed	V(SERVICE) = 89 MPH			IBC Section 1609.3.1
Exposure Category	B			ASCE Section 26.7.3
Internal Pressure...	± 0.18 (Enclosed)			ASCE Section 26.11-1
COMPONENTS AND CLADDING ROOF				
	Zone 1	Zone 2	Zone 3	CODE REFERENCE
Support Beams (A > 100 SF)	-25 PSF	-29 PSF	-29 PSF	ASCE Table 30.7-2
Roof Sheathing (A = 50 SF)	-26 PSF	-34 PSF	-41 PSF	ASCE Table 30.7-2
Deck Fasteners (A < 10 SF)	-27 PSF	-45 PSF	-68 PSF	ASCE Table 30.7-2
COMPONENTS AND CLADDING WALLS				
	Zone 4	Zone 5		CODE REFERENCE
A = 100 SF	21/-23 PSF	20/-26 PSF		ASCE Table 30.7-2
A = 50 SF	22/-24 PSF	22/-28 PSF		ASCE Table 30.7-2
A = 10 SF	25/-27 PSF	25/-33 PSF		ASCE Table 30.7-2
Building design displacements	Wind drift at 10 year Design Wind Speed = h/400			
SEISMIC LOADS				CODE REFERENCE
Seismic Importance Factor	Ie = 1.25			ASCE Table 1.5-2
Short Period Spectral Response Acceleration	SS = 0.1022 g			ASCE Section 11.4.1
1.0 sec. Period Spectral Response Acceleration	S1 = 0.0457 g			ASCE Section 11.4.1
Site Class	D			ASCE Section 11.4.2
Design Short Spectral Response Acceleration	SDS = 0.11 g			ASCE Section 11.4.4
Design Short Period Spectral Response Acceleration	SD1 = 0.073 g			ASCE Section 11.4.4
Seismic Design Category	B			ASCE Section 11.6
Seismic Force Resisting System	Ordinary Plain Masonry Shear Walls			ASCE Table 12.2-1
Seismic Response Coefficient	CS = 0.098			ASCE Section 12.8.1.1
Response Modification Factor	R = 1.5			ASCE Table 12.2-1
Analysis Procedure	Equivalent Lateral Force			ASCE Section 12.8
Building design displacements	Seismic Inelastic Story Drift (Delta m) = 2.0%			
SUPERIMPOSED DEAD LOAD				
Typical Roof	5 PSF (MEP)			

QUINN EVANS

QUINNEVANS.COM

RESURGET ENGINEERING

AVE SUITE 306
DETROIT, MI 48201
www.resurget.engineering

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT

6125 FOURTEENTH STREET

No.	Date	Description

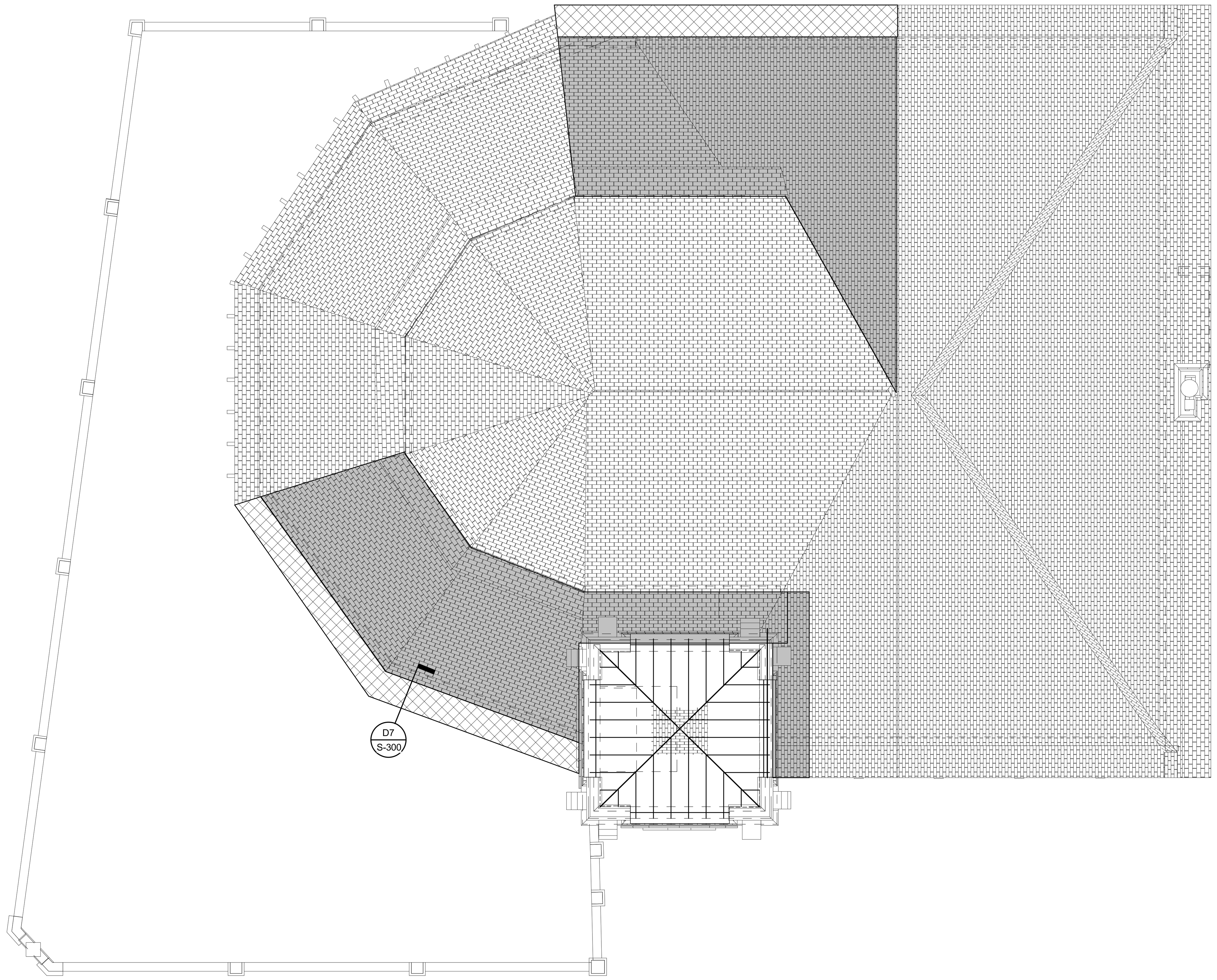
PROJECT MANAGER: MS — DRAWN BY: SM

50% CD SET
1/24/2022

GENERAL STRUCTURAL NOTES

S-001

PATH & FILENAME: C:\Users\stemhoefel\Documents\21191STRUCT20-KSC-CD_mard07QVE.rvt
PLOTTING DATE & TIME: 1/24/2022 4:50:54 PM



HEPTAGONAL AND CENTRAL GABLE ROOF FRAMING PLAN

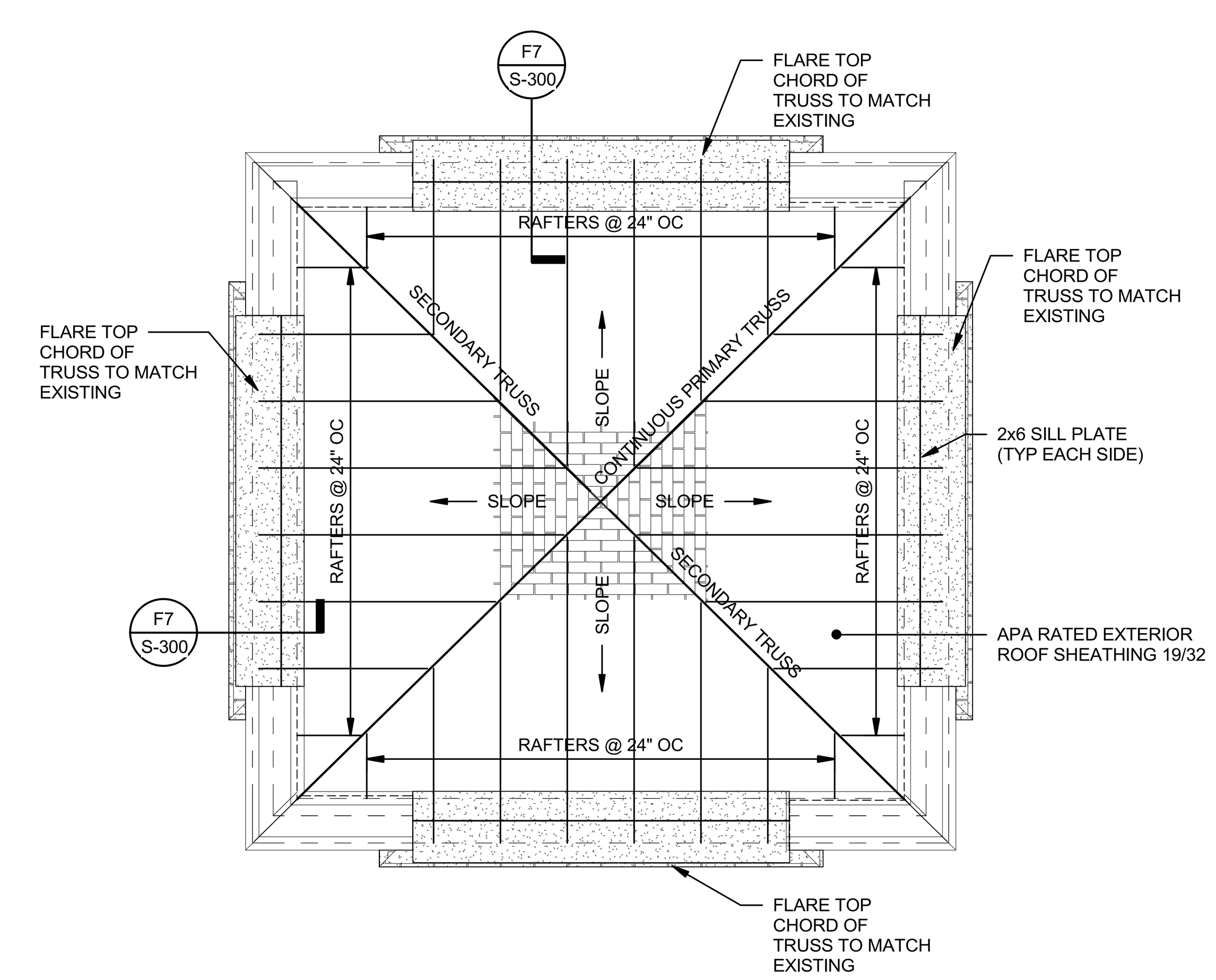
SCALE: 1/8" = 1'-0"

NORTH

STRUCTURAL ITEMS REQUIRED FOR ROOFING INTEGRITY AND SAFETY			
HATCH AREA	DESCRIPTION	UNITS	COMMENT
	EXISTING ROOF FLARED OVERHANG WITH DECORATIVE WOOD BRACKETS CANTILEVERING OUT FROM BEARING WALL. REMOVE ROOF SHEATHING AND BRACKETS. MEASURE AND PRESERVE BRACKET GEOMETRY AND DETAIL FOR FUTURE REPLICATION.	300SF	OVERHANG NOT REQUIRED FOR ROOF ENCLOSURE.
	SLOPING LOWER ROOF AREA IN VERY POOR CONDITION. ASSUME REPLACEMENT OF 100% OF SHEATHING AND 60% REPLACEMENT OR REINFORCING OF SUPPORT RAFTERS.	SHEATHING: 1600SF RAFTERS: 300LF	EXTREME CARE NEEDED DURING CONSTRUCTION. REMOVAL OF ROOFING NEEDS TO BE CARRIED OUT FROM SAFE PLATFORM OR LIFT.

NOTES:

1. REPLACE EXISTING TONGUE AND GROOVE ROOF SHEATHING WITH 3/4" EXTERIOR RATED PLYWOOD SPANNING TO 2X6@16" OC. 2X6 SPANNING TO RAFTERS AT APPROXIMATELY 4'-0" OC.
2. REPLACE BADLY DAMAGED RAFTERS SPANNING UP TO 16 FT WITH (3)2X12.
3. REINFORCED MODERATELY DAMAGED RAFTERS WITH (2)2X12.



BELL TOWER ROOF FRAMING PLAN

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

NORTH

PATH & FILENAME: C:\Users\steinhobel\Documents\21191STRUCT20-KSC-CD_marc67QVE.rvt
PLOTTING DATE & TIME: 1/24/2022 4:50:56 PM

QUINN EVANS

QUINNEVANS.COM

RESURGET ENGINEERING
AVE SUITE 306
DETROIT, MI 48201
www.resurget.engineering

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT

6125 FOURTEENTH STREET

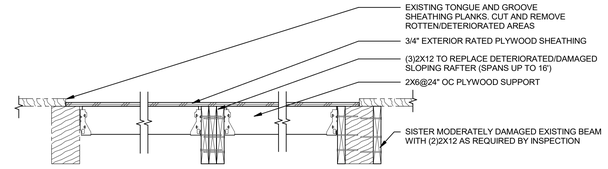
No.	Date	Description

PROJECT MANAGER: MDS
DRAWN BY: SM

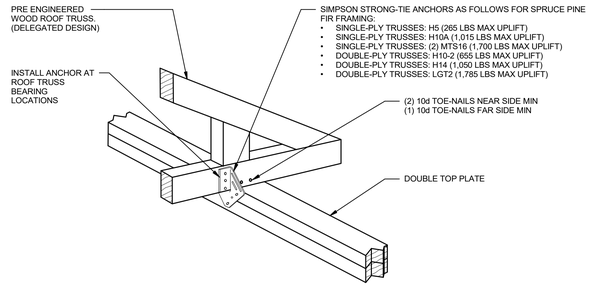
50% CD SET
1/24/2022

FRAMING PLANS

S-100

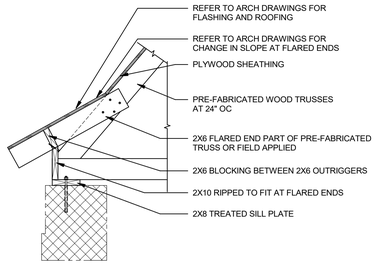


L10 **WOOD REPAIR DETAIL**
SCALE: 1" = 1'-0"

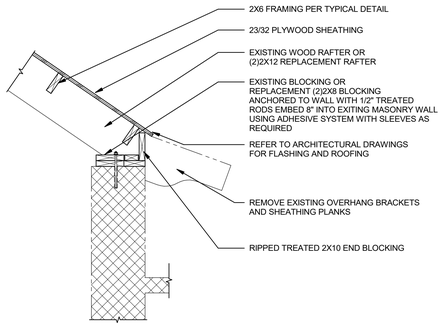


NOTES:
1. MAXIMUM WALL STUD SPACING 16" OC
2. SELECT TRUSS ANCHOR BASED ON APPROVED TRUSS SHOP DRAWINGS WITH TRUSS REACTIONS.
3. TRUSS MANUFACTURER OR CONTRACTOR SHALL REQUEST FOR ADDITIONAL HOLDOWN ANCHORS AT TRUSS GIRDERS, MULTI-PLY TRUSSES, JACK TRUSSES AND HIP/VALLEY TRUSSES.
4. MULTIPLE ANCHORS MAY BE USED (PER SIMPSON STRONG-TIE RECOMMENDED DETAILS) TO ANCHOR HIGHER UPLIFT VALUES.
5. DETAIL APPLIES TO INTERIOR AND EXTERIOR BEARING WALLS.

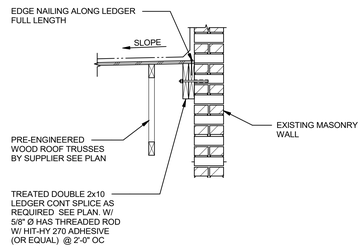
F10 **TYPICAL ROOF TRUSS CONNECTION**
SCALE: 3" = 1'-0"



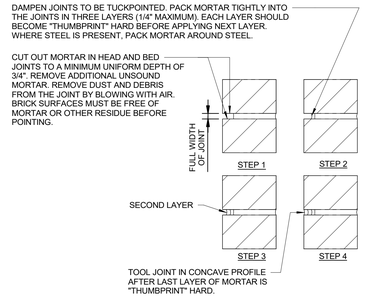
F7 **S-100** **FLARED TRUSS SUPPORT**
SCALE: 3/4" = 1'-0"



D7 **S-100** **EAVE OVERHANG DETAIL**
SCALE: 3/4" = 1'-0"



D10 **ROOF TRUSSES PARALLEL TO MASONRY WALL**
SCALE: 3/4" = 1'-0"



A10 **MASONRY TUCK POINTING DETAIL**
SCALE: 3/4" = 1'-0"

QUINN EVANS
QUINNEVANS.COM
RESURGET ENGINEERING
[redacted] AVE SUITE 306
DETROIT, MI 48201
www.resurget.engineering

CONSTRUCTION
NOT FOR

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT

6125 FOU[redacted]TEENTH STREET

No.	Date	Description

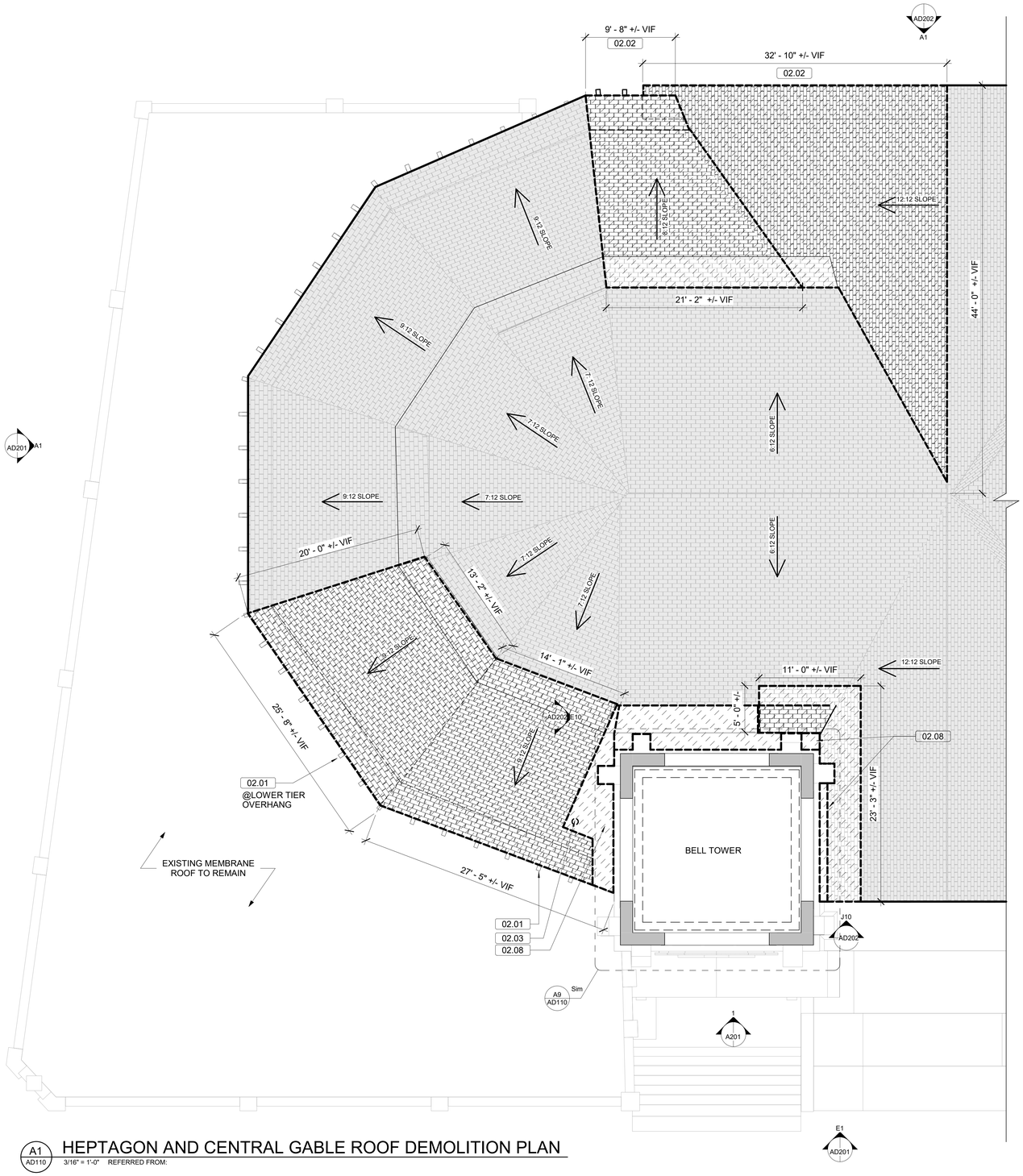
PROJECT MANAGER: MS
DESIGNER: SM

50% CD SET
1/24/2022

SECTIONS AND DETAILS

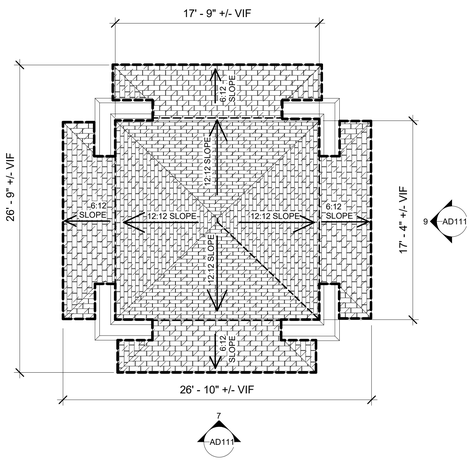
S-300

PATH & FILENAME: C:\Users\steinhoff\Documents\21191STRUCT20-KSC-CD_marcb7QVE.rvt
PLOTTING DATE & TIME: 1/24/2022 4:50:58 PM



A1 / AD110 — HEPTAGON AND CENTRAL GABLE ROOF DEMOLITION PLAN

3/16" = 1'-0" REFERRED FROM:



A9 / AD110 — BELL TOWER ROOF DEMOLITION PLAN

3/16" = 1'-0" REFERRED FROMAD110

PLAN NORTH

4' 2' 0' 4' 8'

3/16" = 1'- 0" SCALE OF FEET

GENERAL DEMO NOTES	
D 1	PROTECT FROM WEATHER ANY OPENINGS TO THE INTERIOR IN THE WORK AREA, EITHER EXISTING OR CREATED DURING DEMOLITION
D 2	THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, OR OTHER TEMPORARY SUPPORT TO MAINTAIN THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN SUPPORTED BY WALLS, COLUMNS, BEAMS OR OTHER ITEMS TO BE REMOVED.
D 3	CONTRACTOR TO PERFORM SURVEY AND ANALYSIS OF EXISTING BUILDING PRIOR TO COMMENCING WITH DEMOLITION OPERATIONS. DO NOT REMOVE CONSTRUCTION IF THE STRUCTURAL INTEGRITY OF THE BUILDING MAY BE COMPROMISED UNTIL APPROPRIATE TEMPORARY SUPPORTS ARE IN PLACE. DESIGN OF SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
D 4	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSION PRIOR TO BEGINNING WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
D 5	ALL DIMENSIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND SCOPE OF DEMOLITION WORK WITH REQUIREMENTS FOR NEW CONSTRUCTION
D 6	PROTECT EXISTING CONSTRUCTION TO REMAIN.
D 7	PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF ALL REMOVED MATERIALS
D 8	SALVAGE 12' MIN. OR ENTIRE PIECE OF EACH DISTINCT PROFILED TRIM PIECE BEING REMOVED - FOR OWNER RECORD

KEYNOTES	
KEY VALUE	TEXT
02.01	REMOVE DECORATIVE WOOD RAFTER TAILS FROM OVERHANGS OF ROOF AREA IDENTIFIED FOR REMOVAL - REFER TO STRUCTURAL FOR FRAMING SCOPE
02.02	REMOVE DECORATIVE WOOD BRACKETS UNDER OVERHANG OF ROOF AREA IDENTIFIED FOR REMOVAL - REFER TO STRUCTURAL FOR FRAMING SCOPE
02.03	REMOVE VENT STACK AND FLASHING
02.08	REMOVE MEMBRANE OVER-ROOFING AND FLASHING (AROUND BASE OF BELL TOWER, ALL THREE SIDES). REMOVE MEMBRANE BURIED LAYERS OF ROOFING, DECKING, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING

DEMOLITION LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- ITEM/ CONSTRUCTION TO BE REMOVED, SALVAGED OR REINSTALLED - AS NOTED
- EXISTING ASPHALT SHINGLE ROOF TO REMAIN
- EXTENT OF ROOF REMOVAL: REMOVE ASPHALT SHINGLES, UNDERLAYMENT, SHEATHING OVERHANG, DECKING, EDGING/TRIM, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

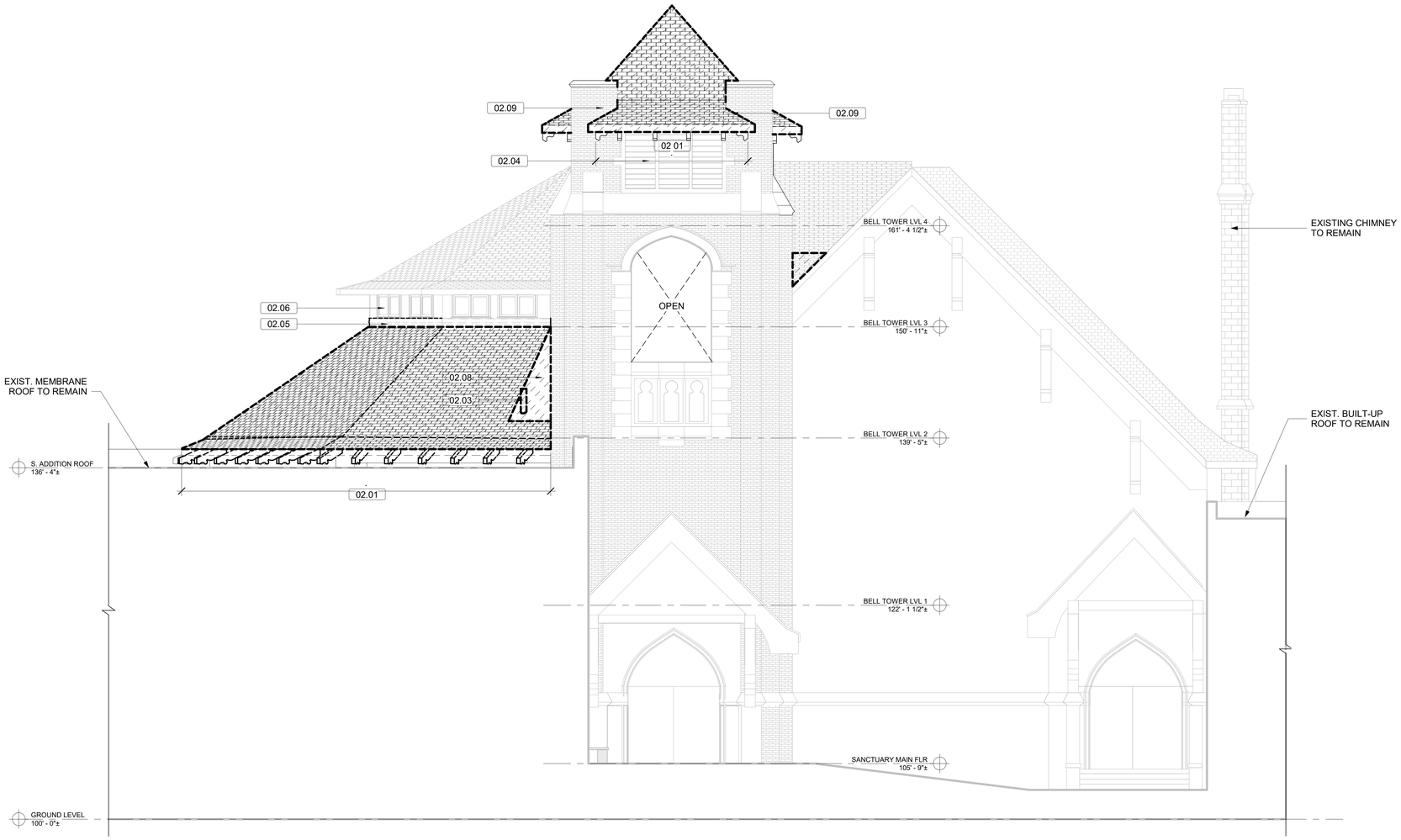
QEA No.42134130

50% CD SET
1/24/2022

DEMOLITION ROOF PLANS

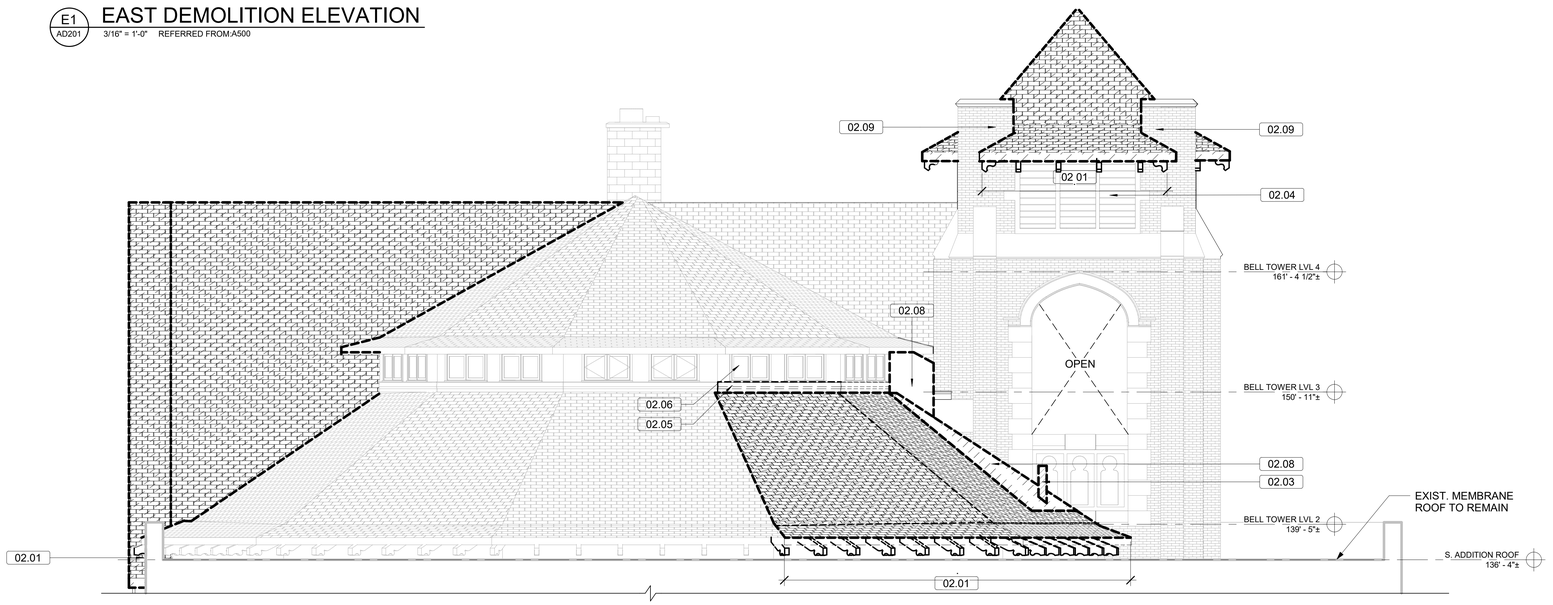
AD110

PATH & FILENAME: BIM 360://King Solomon Baptist Church Roof Replacement/42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:20 PM



E1 AD201 EAST DEMOLITION ELEVATION

3/16" = 1'-0" REFERRED FROM:A500



A1 AD201 SOUTH DEMOLITION ELEVATION

3/16" = 1'-0" REFERRED FROM:A500

GENERAL DEMO NOTES	
D 1	PROTECT FROM WEATHER ANY OPENINGS TO THE INTERIOR IN THE WORK AREA, EITHER EXISTING OR CREATED DURING DEMOLITION
D 2	THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, OR OTHER TEMPORARY SUPPORT TO MAINTAIN THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN SUPPORTED BY WALLS, COLUMNS, BEAMS OR OTHER ITEMS TO BE REMOVED.
D 3	CONTRACTOR TO PERFORM SURVEY AND ANALYSIS OF EXISTING BUILDING PRIOR TO COMMENCING WITH DEMOLITION OPERATIONS. DO NOT REMOVE CONSTRUCTION IF THE STRUCTURAL INTEGRITY OF THE BUILDING MAY BE COMPROMISED UNTIL APPROPRIATE TEMPORARY SUPPORTS ARE IN PLACE. DESIGN OF SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
D 4	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSION PRIOR TO BEGINNING WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
D 5	ALL DIMENSIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND SCOPE OF DEMOLITION WORK WITH REQUIREMENTS FOR NEW CONSTRUCTION
D 6	PROTECT EXISTING CONSTRUCTION TO REMAIN.
D 7	PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF ALL REMOVED MATERIALS
D 8	SALVAGE 12' MIN. OR ENTIRE PIECE OF EACH DISTINCT PROFILED TRIM PIECE BEING REMOVED - FOR OWNER RECORD

KEYNOTES	
KEY VALUE	TEXT
02.01	REMOVE DECORATIVE WOOD RAFTER TAILS FROM OVERHANGS OF ROOF AREA IDENTIFIED FOR REMOVAL - REFER TO STRUCTURAL FOR FRAMING SCOPE
02.03	REMOVE VENT STACK AND FLASHING
02.04	EXISTING WOOD LOUVERS TO REMAIN
02.05	REMOVE METAL HEAD COUNTERFLASHING
02.06	COVER AND PROTECT GLASS IN EXISTING WINDOWS TO REMAIN IN WORK AREA
02.08	REMOVE MEMBRANE OVER-ROOFING AND FLASHING (AROUND BASE OF BELL TOWER, ALL THREE SIDES). REMOVE MEMBRANE BURIED LAYERS OF ROOFING, DECKING, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING
02.09	REMOVE COPPER FLASHING AND ANY ASSOCIATED MASTIC OR SEALANTS. PREP AND REPOINT ABANDONED REGLET JOINTS N MASONRY WITH MORTAR TO MATCH EXISTING

DEMOLITION LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- ITEM/ CONSTRUCTION TO BE REMOVED, SALVAGED OR REINSTALLED - AS NOTED
- EXISTING ASPHALT SHINGLE ROOF TO REMAIN
- EXTENT OF ROOF REMOVAL: REMOVE ASPHALT SHINGLES, UNDERLAYMENT, SHEATHING OVERHANG, DECKING, EDGING/TRIM, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

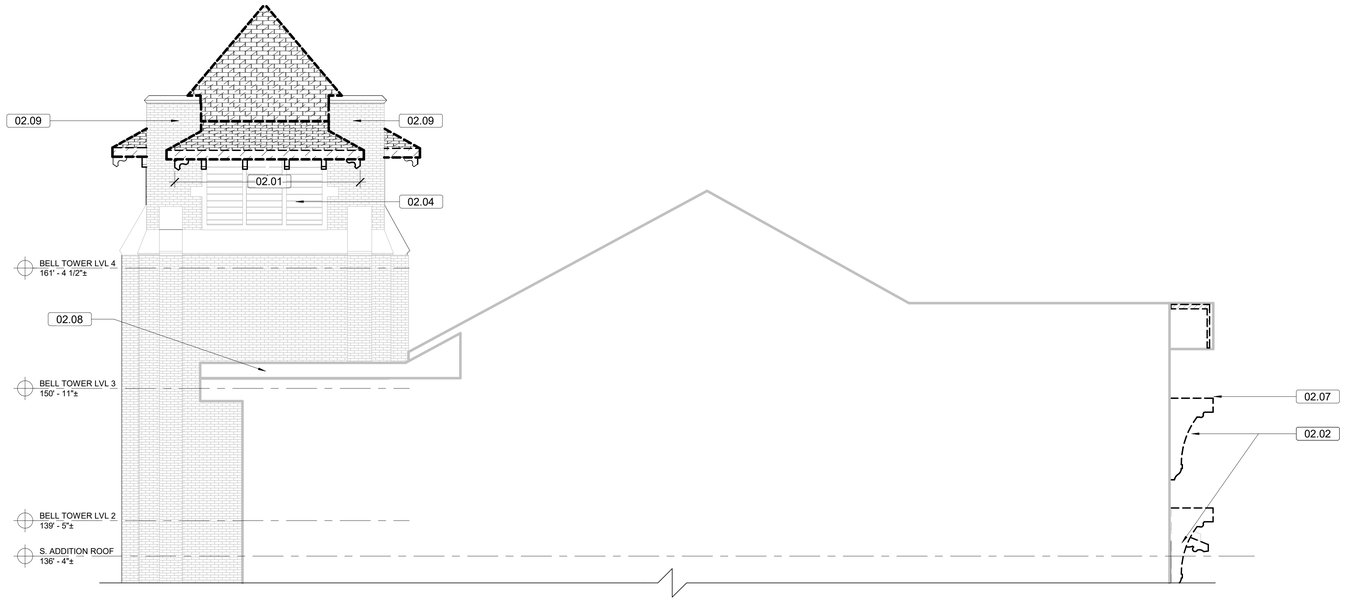
QEA No.42134130

50% CD SET
1/24/2022

DEMOLITION ELEVATIONS

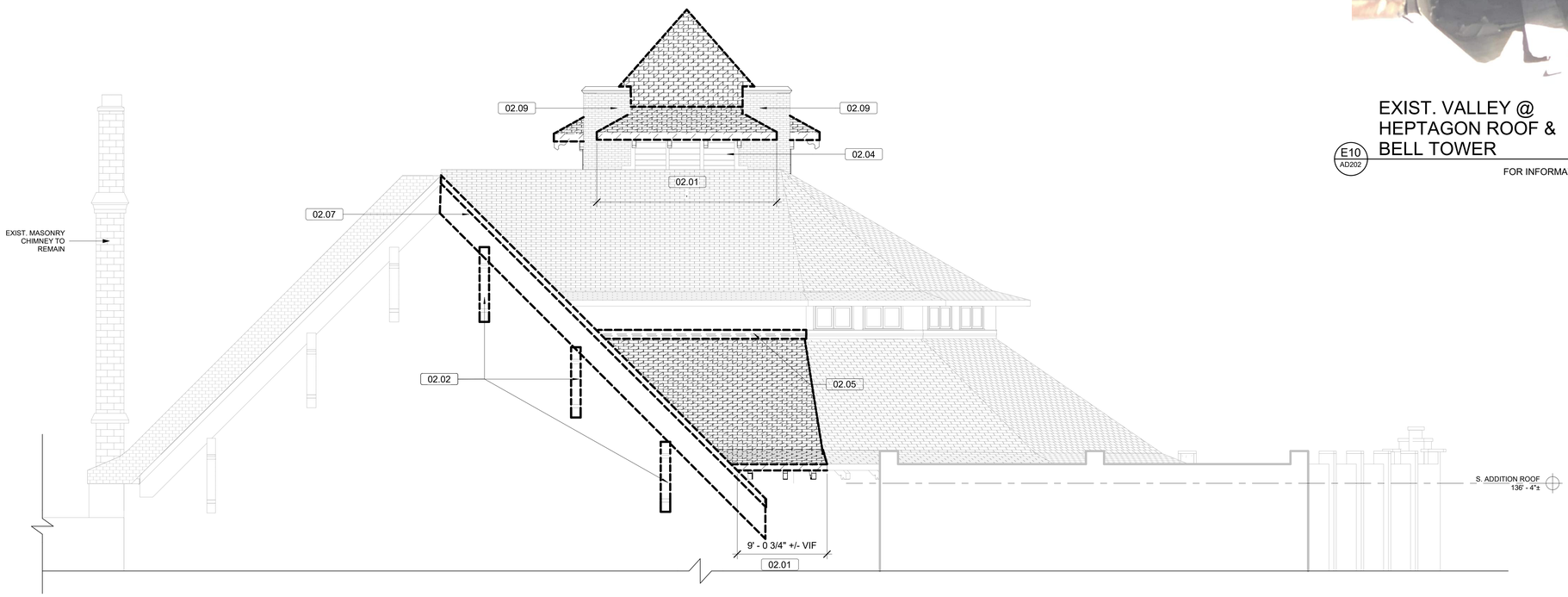
AD201

PATH & FILENAME: BIM 360:\King Solomon Baptist Church Roof Replacement\42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:21 PM



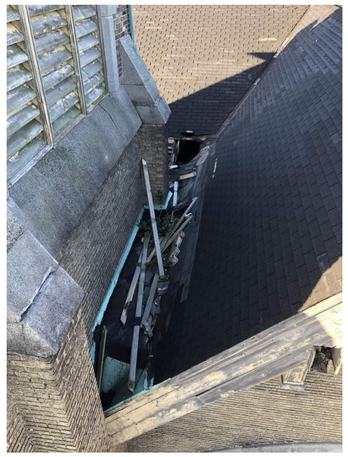
F1 AD202 NORTH DEMOLITION ELEVATION

3/16" = 1'-0" REFERRED FROM:A500



A1 AD202 WEST DEMOLITION ELEVATION

3/16" = 1'-0" REFERRED FROM:A500



J10 AD202 EXIST. VALLEY @ GABLE ROOF & BELL TOWER

FOR INFORMATION ONLY

E10 AD202 EXIST. VALLEY @ HEPTAGON ROOF & BELL TOWER

FOR INFORMATION ONLY

GENERAL DEMO NOTES	
D 1	PROTECT FROM WEATHER ANY OPENINGS TO THE INTERIOR IN THE WORK AREA, EITHER EXISTING OR CREATED DURING DEMOLITION
D 2	THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, OR OTHER TEMPORARY SUPPORT TO MAINTAIN THE STRUCTURAL INTEGRITY OF CONSTRUCTION TO REMAIN SUPPORTED BY WALLS, COLUMNS, BEAMS OR OTHER ITEMS TO BE REMOVED.
D 3	CONTRACTOR TO PERFORM SURVEY AND ANALYSIS OF EXISTING BUILDING PRIOR TO COMMENCING WITH DEMOLITION OPERATIONS. DO NOT REMOVE CONSTRUCTION IF THE STRUCTURAL INTEGRITY OF THE BUILDING MAY BE COMPROMISED UNTIL APPROPRIATE TEMPORARY SUPPORTS ARE IN PLACE. DESIGN OF SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
D 4	CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSION PRIOR TO BEGINNING WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
D 5	ALL DIMENSIONS ARE BASED ON LIMITED FIELD VERIFICATION. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND SCOPE OF DEMOLITION WORK WITH REQUIREMENTS FOR NEW CONSTRUCTION
D 6	PROTECT EXISTING CONSTRUCTION TO REMAIN.
D 7	PRESENCE OF HAZARDOUS MATERIALS IS UNKNOWN. CONTRACTOR IS RESPONSIBLE FOR PROPER REMOVAL AND DISPOSAL OF ALL REMOVED MATERIALS
D 8	SALVAGE 12' MIN. OR ENTIRE PIECE OF EACH DISTINCT PROFILED TRIM PIECE BEING REMOVED - FOR OWNER RECORD

KEYNOTES	
KEY VALUE	TEXT
02.01	REMOVE DECORATIVE WOOD RAFTER TAILS FROM OVERHANGS OF ROOF AREA IDENTIFIED FOR REMOVAL - REFER TO STRUCTURAL FOR FRAMING SCOPE
02.02	REMOVE DECORATIVE WOOD BRACKETS UNDER OVERHANG OF ROOF AREA IDENTIFIED FOR REMOVAL - REFER TO STRUCTURAL FOR FRAMING SCOPE
02.04	EXISTING WOOD LOUVERS TO REMAIN
02.05	REMOVE METAL HEAD COUNTERFLASHING
02.07	REMOVE WOOD FASCIA & TRIM ASSEMBLY ALONG EDGE OF ROOF AREA DESIGNATED FOR REMOVAL
02.08	REMOVE MEMBRANE OVER-ROOFING AND FLASHING (AROUND BASE OF BELL TOWER, ALL THREE SIDES). REMOVE MEMBRANE BURIED LAYERS OF ROOFING, DECKING, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING
02.09	REMOVE COPPER FLASHING AND ANY ASSOCIATED MASTIC OR SEALANTS. PREP AND REPOINT ABANDONED REGLET JOINTS N MASONRY WITH MORTAR TO MATCH EXISTING

DEMOLITION LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- ITEM/ CONSTRUCTION TO BE REMOVED, SALVAGED OR REINSTALLED - AS NOTED
- EXISTING ASPHALT SHINGLE ROOF TO REMAIN
- EXTENT OF ROOF REMOVAL: REMOVE ASPHALT SHINGLES, UNDERLAYMENT, SHEATHING OVERHANG, DECKING, EDGING/TRIM, AND FLASHINGS COMPLETE - REFER TO STRUCTURAL RE: FRAMING

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No. Date Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

QEA No.42134130

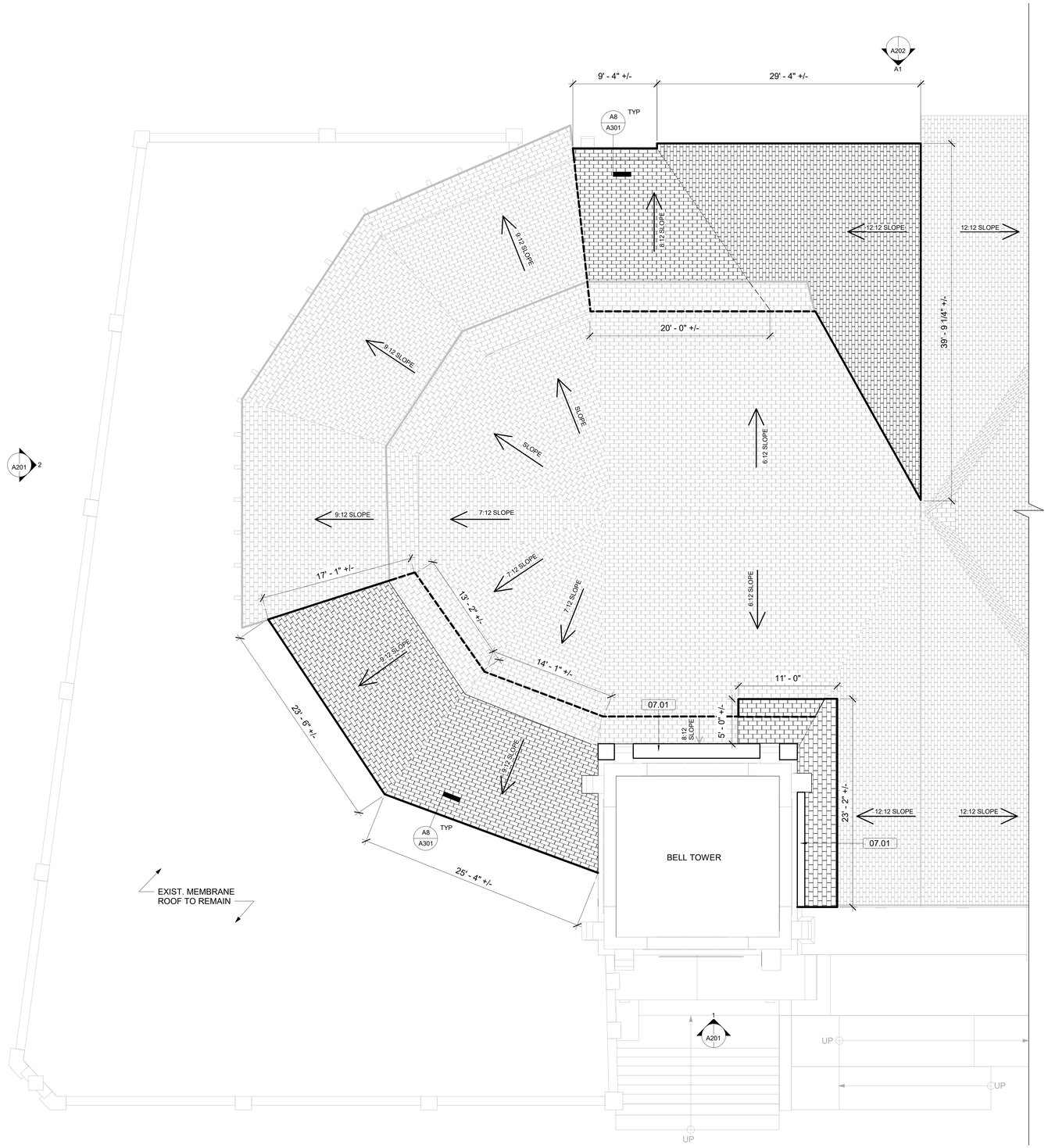
50% CD SET
1/24/2022

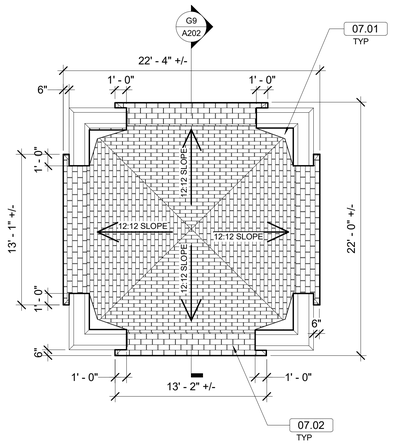
DEMOLITION ELEVATIONS

AD202

PATH & FILENAME: BIM 360://King Solomon Baptist Church Roof Replacement/42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:23 PM

GENERAL ROOF NOTES	
R 1	SLOPE OF NEW ROOFING TO MATCH EXISTING IN AREA OF REPLACEMENT, U.O.N.
R 2	NEW FLASHING TO BE PREFINISHED ALUM., U.O.N.
R 3	INTERWEAVE AND LAP NEW SHINGLES WITH EXISTING TO REMAIN SHINGLES AT INTERSECTION OF AREA OF WORK WITH AREAS NOT IN CONTRACT. RESECURE EXITING SHINGLES IMPACTED BY EFFORTS.





KEYNOTES	
KEY VALUE	TEXT
07.01	CONTINUOUS PREFINISHED ALUMINUM VALLEY AND CRICKET FLASHING OVER NEW PLYWOOD SHEATHING AND SUPPORT FRAMING, AS NEEDED
07.02	SLOPE OF SKIRT TO MATCH EXISTING, EA. SIDE

ROOF LEGEND

EXISTING ASPHALT SHINGLE ROOF TO REMAIN

EXTENT OF NEW ROOF: PROVIDE ARCHITECTURAL GRADE ASPHALT SHINGLES OVER WATERPROOFING UNDERLAYMENT, OVER NEW SHEATHING - REFER TO STRUCTURAL

A1 / A110 HEPTAGON AND CENTRAL GABLE ROOF PLAN

3/16" = 1'-0" REFERRED FROM:

A10 / A110 BELL TOWER ROOF PLAN

3/16" = 1'-0"

PLAN NORTH

8' 0' 8' 16'

1/8" = 1' - 0" SCALE OF FEET

QUINN EVANS

4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201

v 313.462.2550

QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL

DRAWN BY: S. RUTLAND

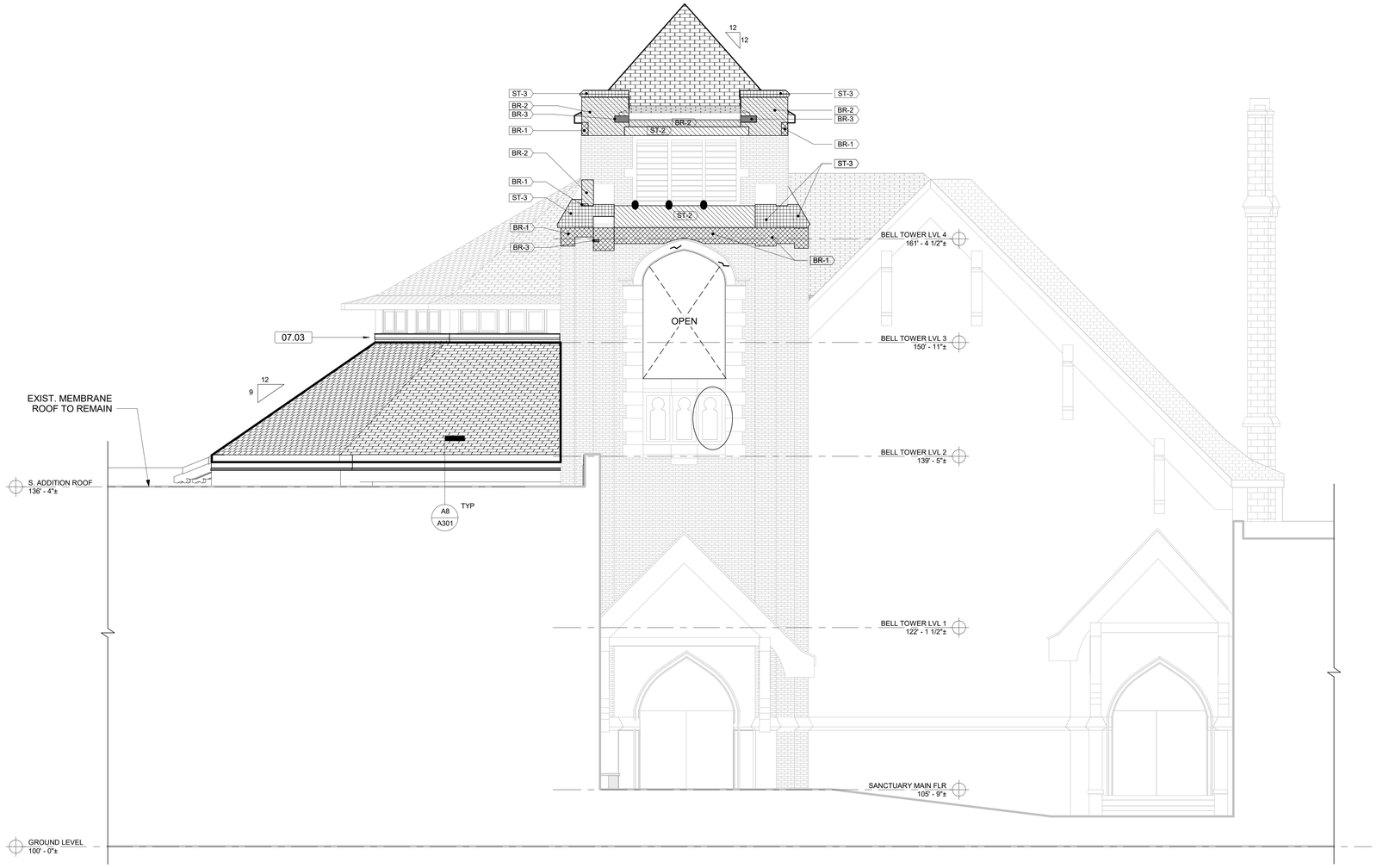
QEA No.42134130

50% CD SET
1/24/2022

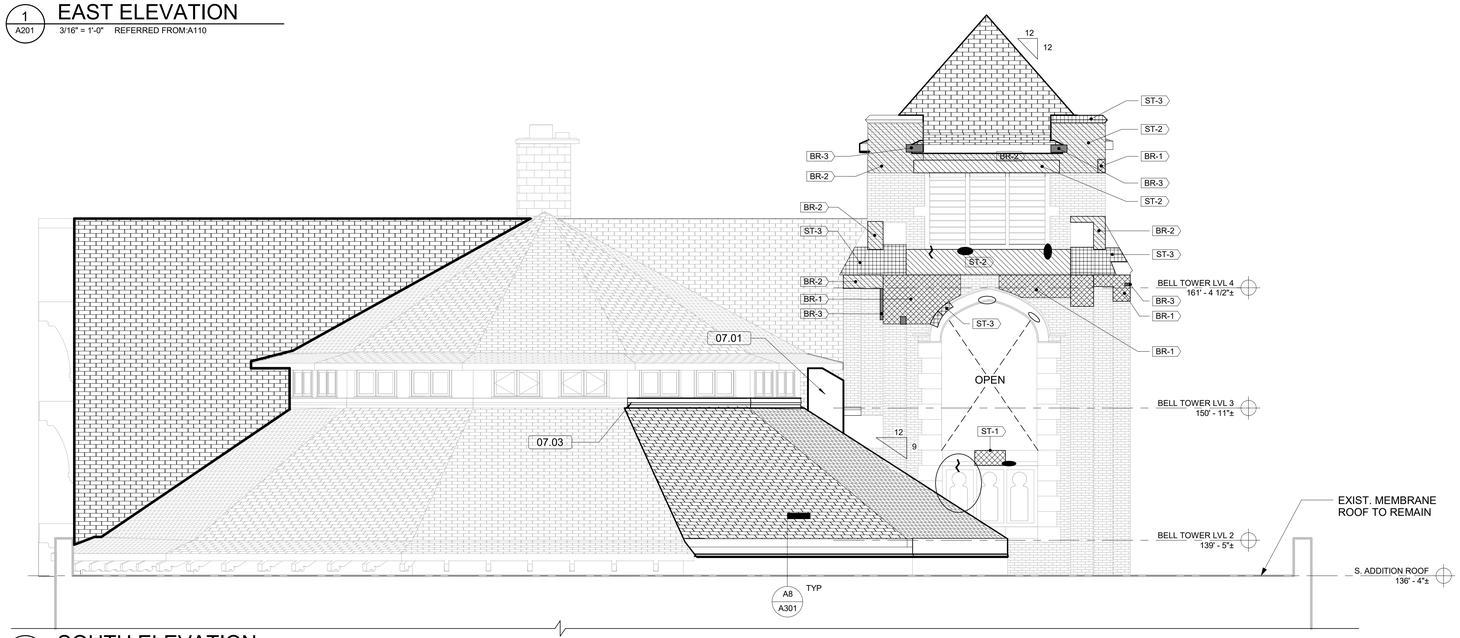
ROOF PLANS

A110

PATH & FILENAME: BIM 360://King Solomon Baptist Church Roof Replacement/42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:15 PM



1 EAST ELEVATION
A201 — 3/16" = 1'-0" REFERRED FROM:A110



2 SOUTH ELEVATION
A201 — 3/16" = 1'-0" REFERRED FROM:A110

GENERAL ROOF NOTES	
R 1	SLOPE OF NEW ROOFING TO MATCH EXISTING IN AREA OF REPLACEMENT, U.O.N.
R 2	NEW FLASHING TO BE PREFINISHED ALUM., U.O.N.
R 3	INTERWEAVE AND LAP NEW SHINGLES WITH EXISTING TO REMAIN SHINGLES AT INTERSECTION OF AREA OF WORK WITH AREAS NOT IN CONTRACT. RESECURE EXITING SHINGLES IMPACTED BY EFFORTS.

KEYNOTES	
KEY VALUE	TEXT
07.01	CONTINUOUS PREFINISHED ALUMINUM VALLEY AND CRICKET FLASHING OVER NEW PLYWOOD SHEATHING AND SUPPORT FRAMING, AS NEEDED
07.03	PROVIDE CONTINUOUS PREFINISHED ALUMINUM COUNTERFLASHING - PROFILE TO MATCH EXIST.

MASONRY REPAIR LEGEND

STONE

- ST-1 RESET: REMOVE & SALVAGE SOUND BUT DISPLACED UNITS; RESET IN MORTAR WITH NEW GALV. ANCHORS OR DOWELS
- ST-2 REPOINT: REMOVE LOOSE MORTAR & PREP JOINTS, REPOINT OPEN JOINTS WITH MORTAR TO MATCH EXISTING
- ST-3 REPLACE: REMOVE DETERIORATED UNITS; REPLACE WITH CAST STONE TO MATCH/ RECREATE ORIGINAL IN PROFILE, COLOR, & TEXTURE
- ST-4 CRACK REPAIR: ROUTE CRACK & PREP JOINT; EPOXY CRACK REPAIR JOINT IN-SITU
- ST-5 SPALL: REMOVE REMAINING LOOSE MATERIAL FROM SURFACE; PREP SURFACE & PATCH REPAIR SPALL WITH FILL MATERIAL FLUSH WITH FACE OF EXISTING STONE TO REMAIN
- ST-6 SPALL: REMOVE DETACHED OR LOOSE STONE MATERIAL FROM SURFACE ONLY

BRICK

- BR-1 RECONSTRUCT: DISMANTLE DISPLACE OR DETERIORATED MASONRY; SALVAGE SOUND UNITS FOR REINSTALLATION & REPLACE BROKEN UNITS; RESET SALVAGED AND NEW UNITS IN MORTAR (WITH NEW TIES) TO REBUILD
- BR-2 REPOINT: REMOVE DETACHED OR LOOSE MORTAR & PREP JOINTS, REPOINT OPEN JOINTS WITH MORTAR MATCH EXISTING
- BR-3 REPLACE: REMOVE BROKEN OR MISSING UNITS & ASSOC. MORTAR; REPLACE WITH BRICKS TO MATCH EXISTING (SIZE, COLOR, TEXTURE) IN NEW MORTAR BED & JOINTS TO MATCH EXISTING

ROOF LEGEND

- EXISTING ASPHALT SHINGLE ROOF TO REMAIN
- EXTENT OF NEW ROOF: PROVIDE ARCHITECTURAL GRADE ASPHALT SHINGLES OVER WATERPROOFING UNDERLAYMENT, OVER NEW SHEATHING - REFER TO STRUCTURAL

4' 2' 0' 4' 8'
3/16" = 1' - 0" SCALE OF FEET

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

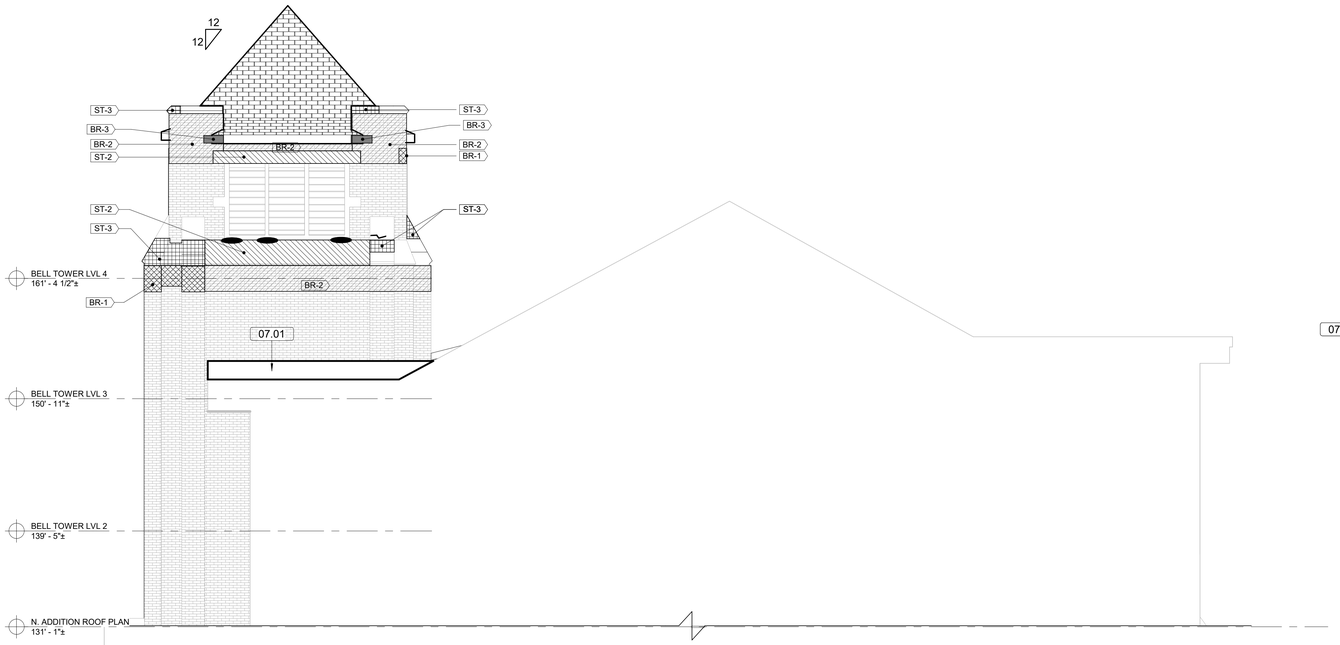
QEA No.42134130

50% CD SET
1/24/2022

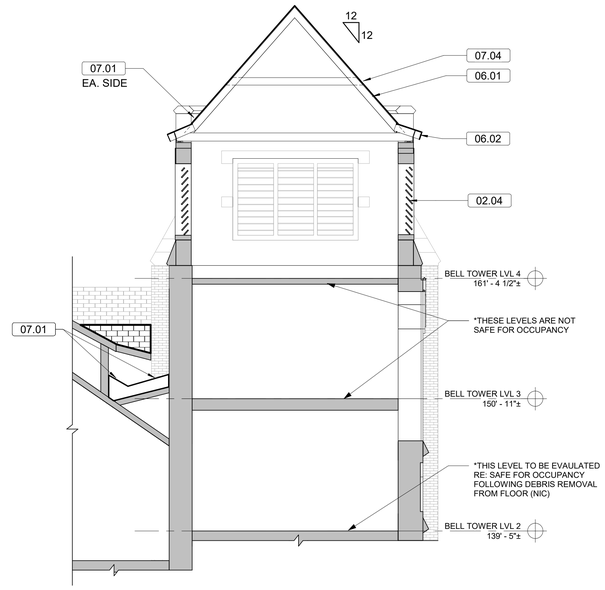
ELEVATIONS

A201

PATH & FILENAME: BIM 360:\King Solomon Baptist Church Roof Replacement\42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:17 PM



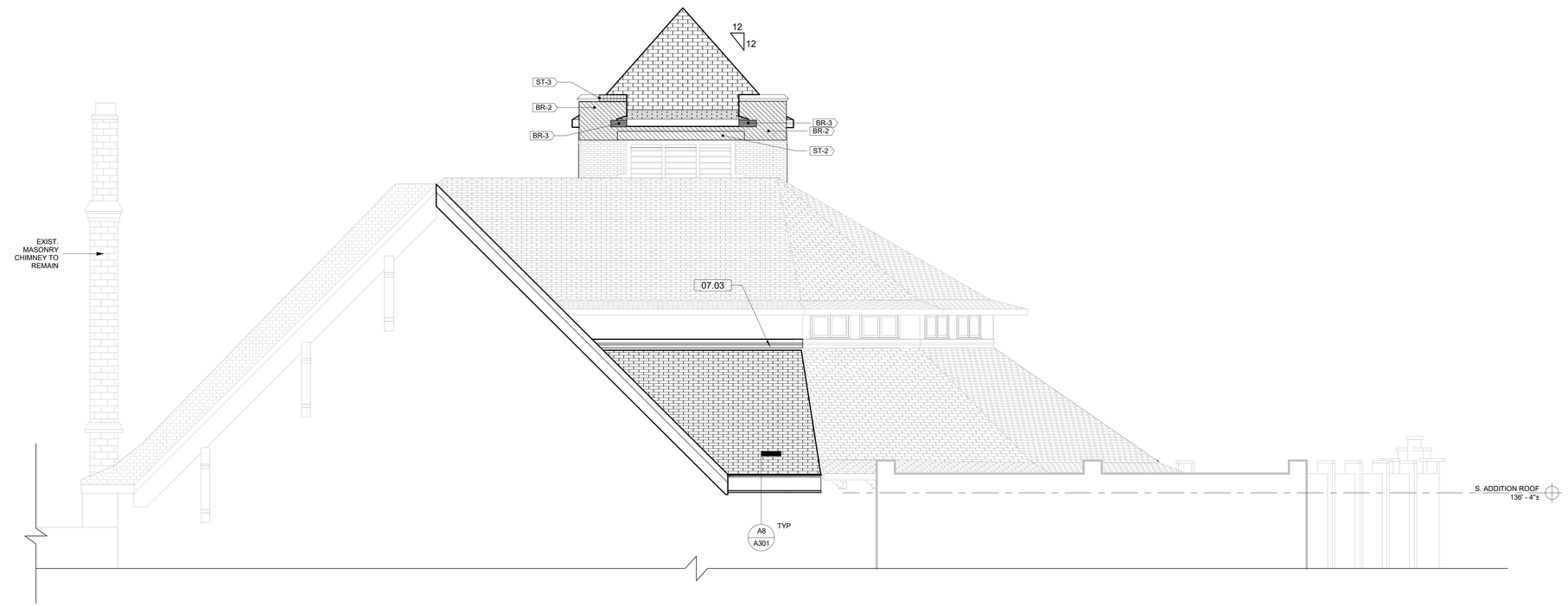
G1 / A202 **NORTH ELEVATION**
3/16" = 1'-0" REFERRED FROM:A110



G9 / A202 **BELL TOWER BUILDING SECTION**
3/16" = 1'-0" REFERRED FROM:A110

GENERAL ROOF NOTES	
R 1	SLOPE OF NEW ROOFING TO MATCH EXISTING IN AREA OF REPLACEMENT, U.O.N.
R 2	NEW FLASHING TO BE PREFINISHED ALUM., U.O.N.
R 3	INTERWEAVE AND LAP NEW SHINGLES WITH EXISTING TO REMAIN SHINGLES AT INTERSECTION OF AREA OF WORK WITH AREAS NOT IN CONTRACT. RESECURE EXITING SHINGLES IMPACTED BY EFFORTS.

KEYNOTES	
KEY VALUE	TEXT
02.04	EXISTING WOOD LOUVERS TO REMAIN
06.01	PLYWOOD SHEATHING OVER NEW WOOD TRUSSES - REFER TO STRUCTURAL
06.02	1X PRESSURE TREATED WOOD TIM, PTD. OVER 2X SILL PLATES AND BLOCKING REFER TO STRUCTURAL
07.01	CONTINUOUS PREFINISHED ALUMINUM VALLEY AND CRICKET FLASHING OVER NEW PLYWOOD SHEATHING AND SUPPORT FRAMING, AS NEEDED
07.03	PROVIDE CONTINUOUS PREFINISHED ALUMINUM COUNTERFLASHING - PROFILE TO MATCH EXIST.
07.04	ARCHITECTURAL GRADE ASPHALT SHINGLE ROOFING OVER WATERPROOFING UNDERLAYMENT



A1 / A202 **WEST ELEVATION**
3/16" = 1'-0" REFERRED FROM:A110

MASONRY REPAIR LEGEND

STONE

- ST-1 RESET: REMOVE & SALVAGE SOUND BUT DISPLACED UNITS; RESET IN MORTAR WITH NEW GALV. ANCHORS OR DOWELS
- ST-2 REPOINT: REMOVE LOOSE MORTAR & PREP JOINTS, REPOINT OPEN JOINTS WITH MORTAR TO MATCH EXISTING
- ST-3 REPLACE: REMOVE DETERIORATED UNITS, REPLACE WITH CAST STONE TO MATCH/ RECREATE ORIGINAL IN PROFILE, COLOR, & TEXTURE
- ST-4 CRACK REPAIR: ROUTE CRACK & PREP JOINT; EPOXY CRACK REPAIR JOINT IN-SITU
- ST-5 SPALL: REMOVE REMAINING LOOSE MATERIAL FROM SURFACE: PREP SURFACE & PATCH REPAIR SPALL WITH FILL MATERIAL FLUSH WITH FACE OF EXISTING STONE TO REMAIN
- ST-6 SPALL: REMOVE DETACHED OR LOOSE STONE MATERIAL FROM SURFACE ONLY

BRICK

- BR-1 RECONSTRUCT: DISMANTLE DISPLACE OR DETERIORATED MASONRY; SALVAGE SOUND UNITS FOR REINSTALLATION & REPLACE BROKEN UNITS; RESET SALVAGED AND NEW UNITS IN MORTAR (WITH NEW TIES) TO REBUILD
- BR-2 REPOINT: REMOVE DETACHED OR LOOSE MORTAR & PREP JOINTS, REPOINT OPEN JOINTS WITH MORTAR MATCH EXISTING
- BR-3 REPLACE: REMOVE BROKEN OR MISSING UNITS & ASSOC. MORTAR; REPLACE WITH BRICKS TO MATCH EXISTING (SIZE, COLOR, TEXTURE) IN NEW MORTAR BED & JOINTS TO MATCH EXISTING

ROOF LEGEND

EXISTING ASPHALT SHINGLE ROOF TO REMAIN

EXTENT OF NEW ROOF: PROVIDE ARCHITECTURAL GRADE ASPHALT SHINGLES OVER WATERPROOFING UNDERLAYMENT, OVER NEW SHEATHING - REFER TO STRUCTURAL

4' 2' 0' 4' 8'
3/16" = 1' - 0" SCALE OF FEET

QUINN EVANS
4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201
v 313.462.2550
QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No.	Date	Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

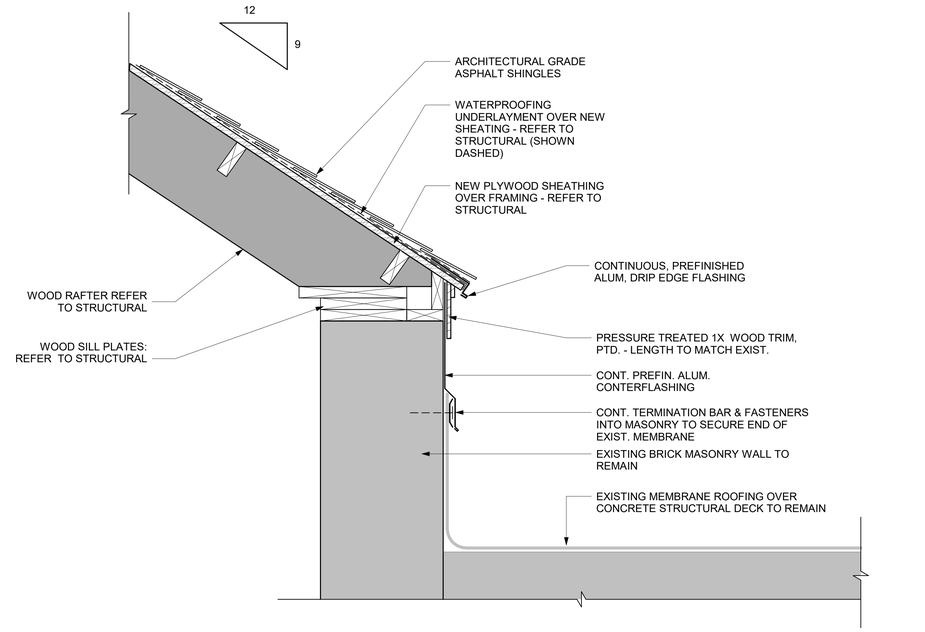
QEA No.42134130

50% CD SET
1/24/2022

ELEVATIONS & SECTIONS

A202

PATH & FILENAME: BIM 360:\Kings Solomon Baptist Church Roof Replacement\42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:16 PM



A8 / A301 SHORTENED EAVE OVERHANG AT HEPTAGON TIER TYP.

1 1/2" = 1'-0" REFERRED FROM:A110

12" 6" 0" 1'

1 1/2" = 1' - 0" SCALE OF FEET

PATH & FILENAME: BIM 360://King Solomon Baptist Church Roof Replacement/42134130_King Solomon Church (point cloud).rvt
PLOTTING DATE & TIME: 1/24/2022 3:17:19 PM

QUINN EVANS

4219 WOODWARD AVE
SUITE 301
DETROIT, MI 48201

v 313.462.2550

QUINNEVANS.COM

NOT FOR CONSTRUCTION

KING SOLOMON BAPTIST CHURCH

ROOF REPLACEMENT - 50% CD SET

6125 FOURTEENTH STREET DETROIT, MI

No. Date Description

PROJECT MANAGER: A. CECIL
DRAWN BY: S. RUTLAND

QEA No.42134130

50% CD SET
1/24/2022

DETAILS

A301