**RE-ROOF FOR** 

# BONNEVILLE 10,11, 13

1498 EAST 800 SOUTH PROVO, UTAH

## OWNER:

THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS PROJECT MANAGER

PROVO WEST FM GROUP JOHN TOLMAN 1600 NORTH 900 EAST P.O. BOX 358 PROVO, UT 84603

PH. (801) 370-6890 FAX (801) 370-6892

## ARCHITECT:

RVA ARCHITECTS, INC. LESTER VAN NOSDOL, PROJECT ARCHITECT

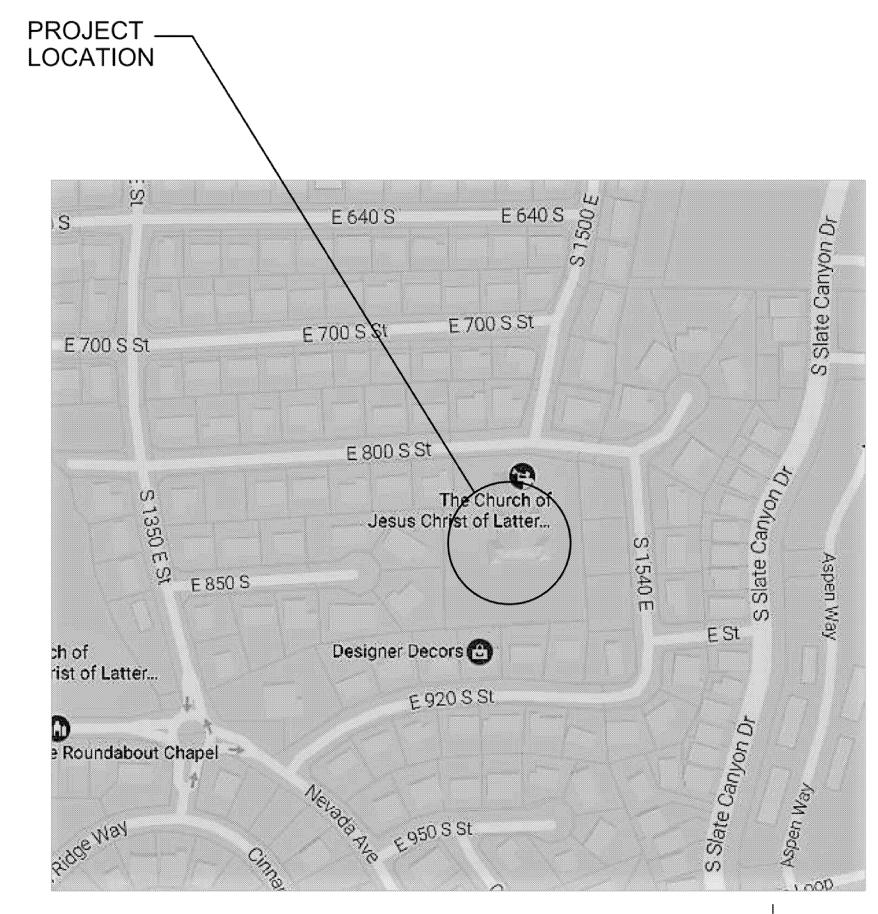
32 W. CENTER ST., SUITE 203 PROVO, UTAH 84601

PH. (801) 374-2100

STRUCTURAL ENGINEER	CODE INFORM	IATION
CKR ENGINEERS, INC.	EXISTING BUILDING	
1295 NORTH STATE STREET OREM, UTAH 84057	OCCUPANCY: TYPE CONSTRUCTION: FIRE PROTECTION:	A-3 TYPE V, 1 HOUR FIRE EXTING.
PHONE NO. : 801-222-0922	APPLICABLE CODES:	2015-IBC

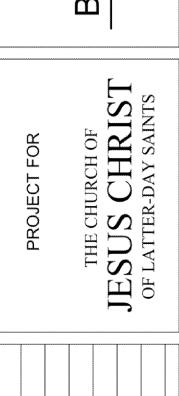
## INDEX TO DRAWINGS

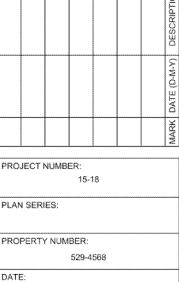
A-0	COVER SHEET	
	ARCHITECTURAL	
A-1.1	ROOF PLAN	
A-1.2	SOFFIT PLAN	
A-1.3	ROOF DETAILS	
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	STRUCTURAL	
S0.1	SCHEDULES	
S1-1	ROOF FRAMING PLAN	
S5-1	ROOF DETAILS	



PROVO VICINITY MAP

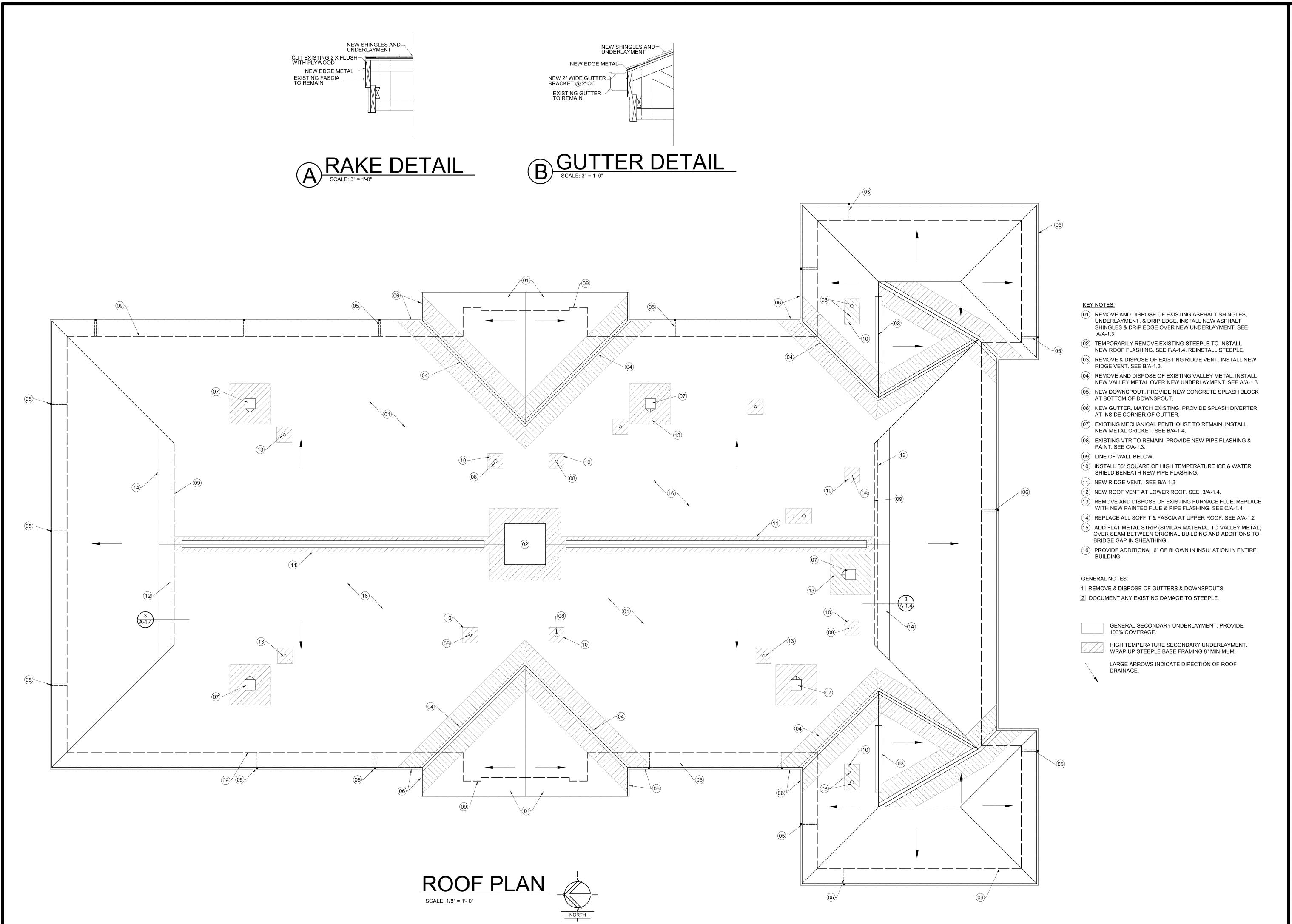




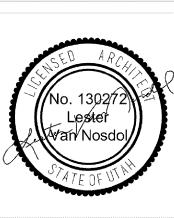


COVER SHEET

A-0



WA A vehitecte Inc



NEVILLE 10,11,13 8 EAST 800 SOUTH

THE CHURCH OF

SUS CHRIST

F LATTER-DAY SAINTS

OJECT NUMBER:

PROJECT NUMBER:
15-18
PLAN SERIES:

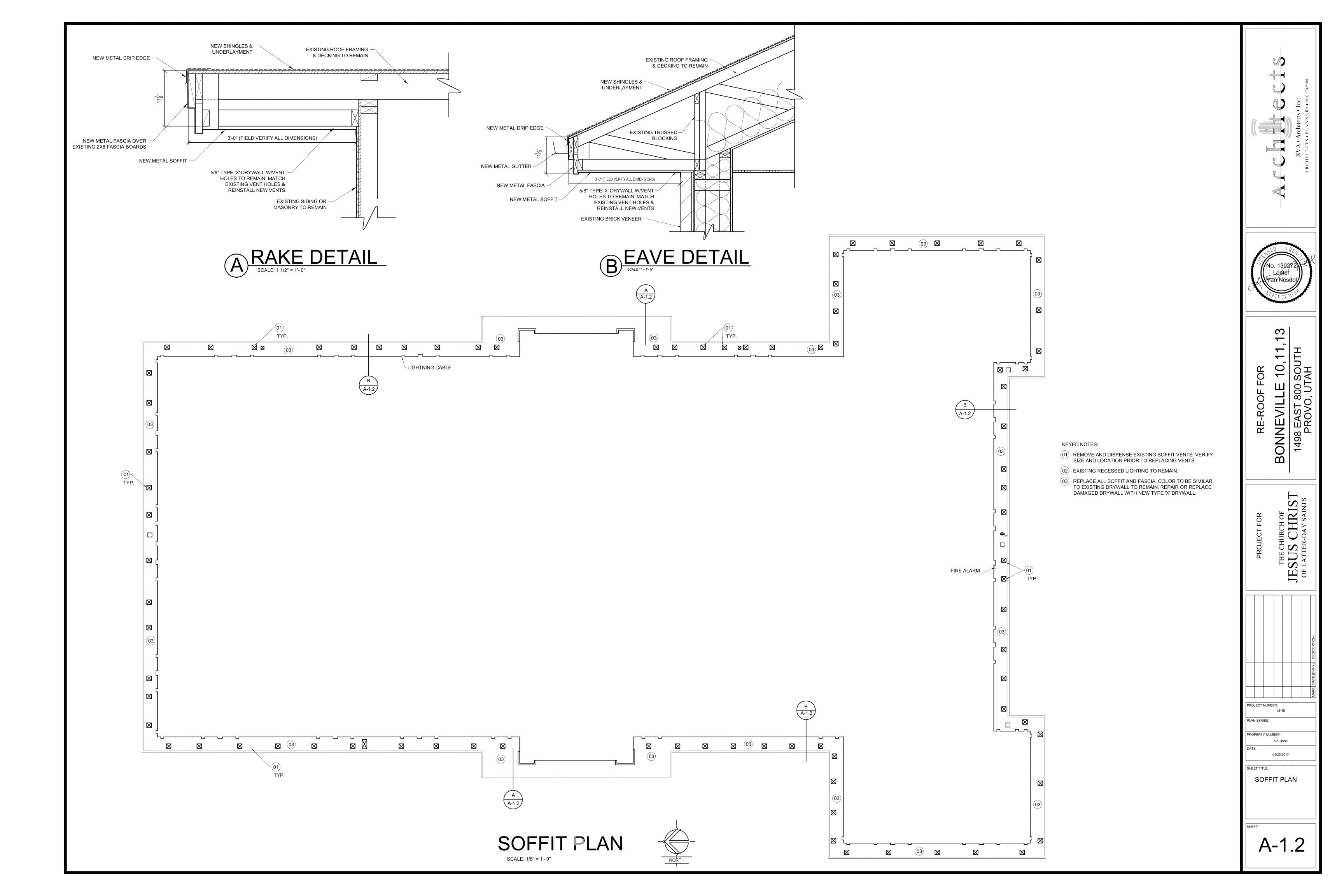
AN SERIES:
ROPERTY NUMBER:

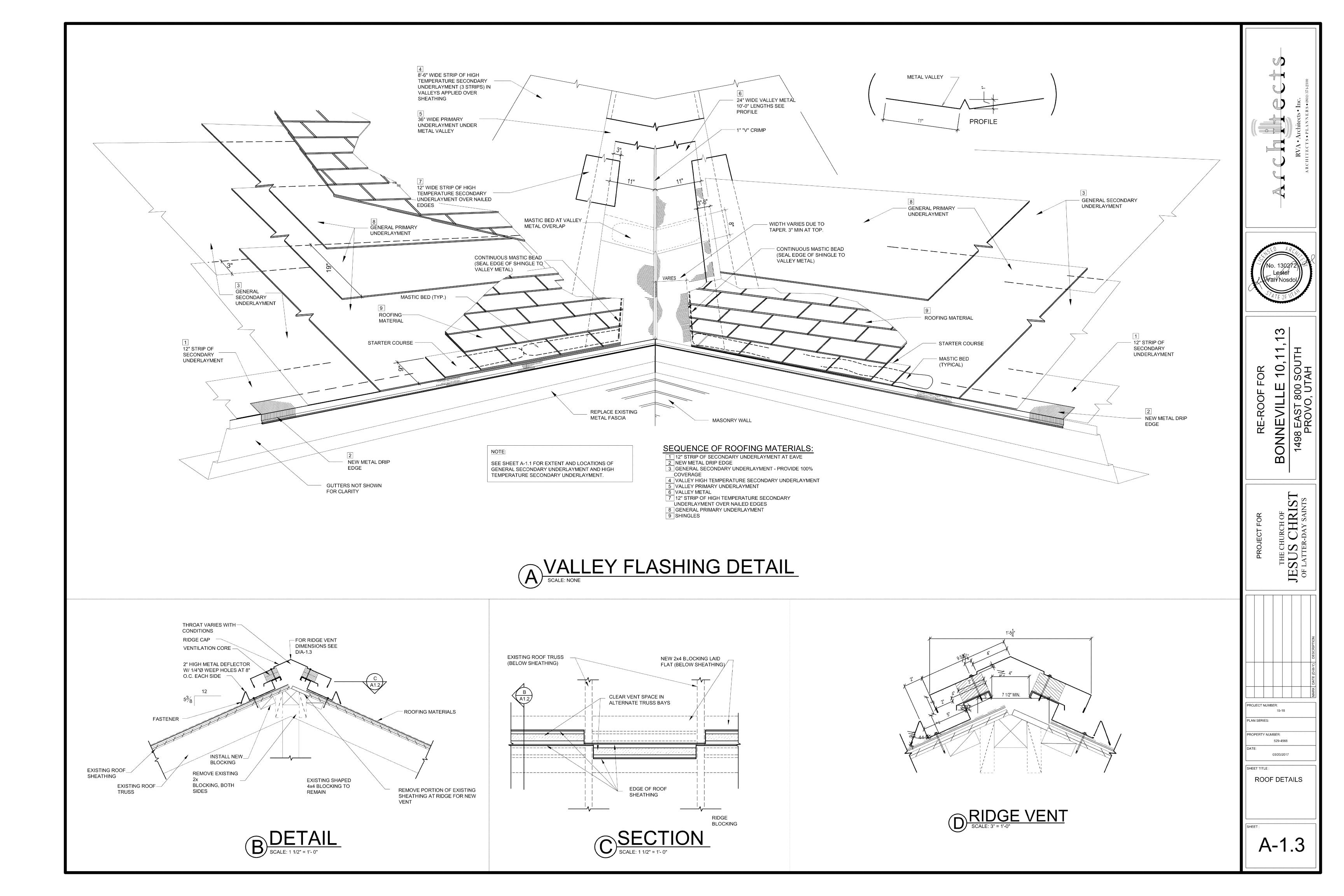
ATE: 03/20/2017

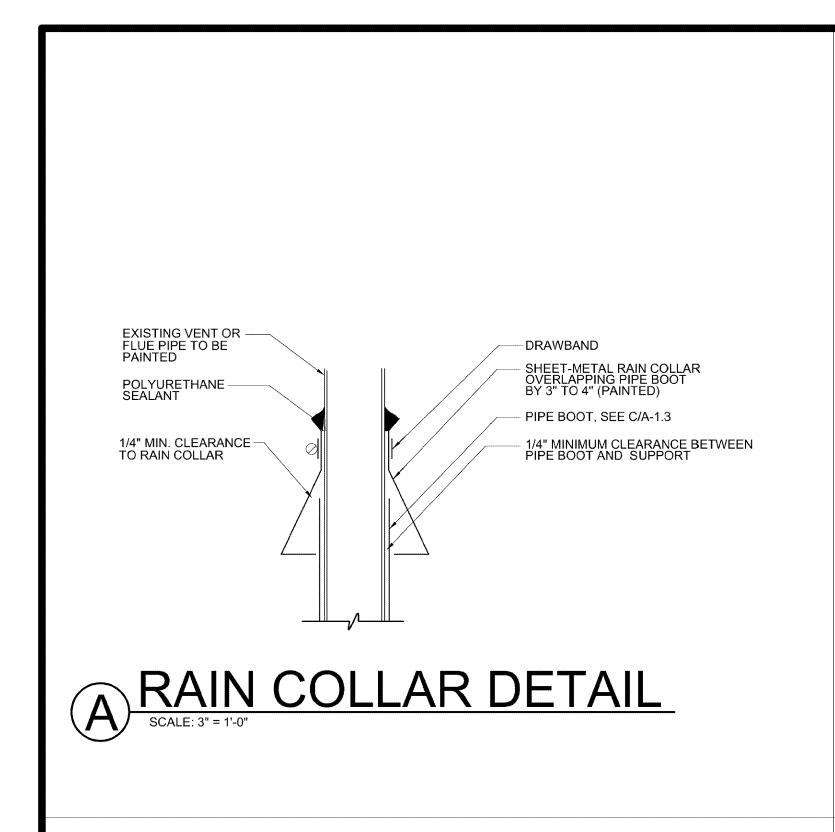
SHEET TITLE :

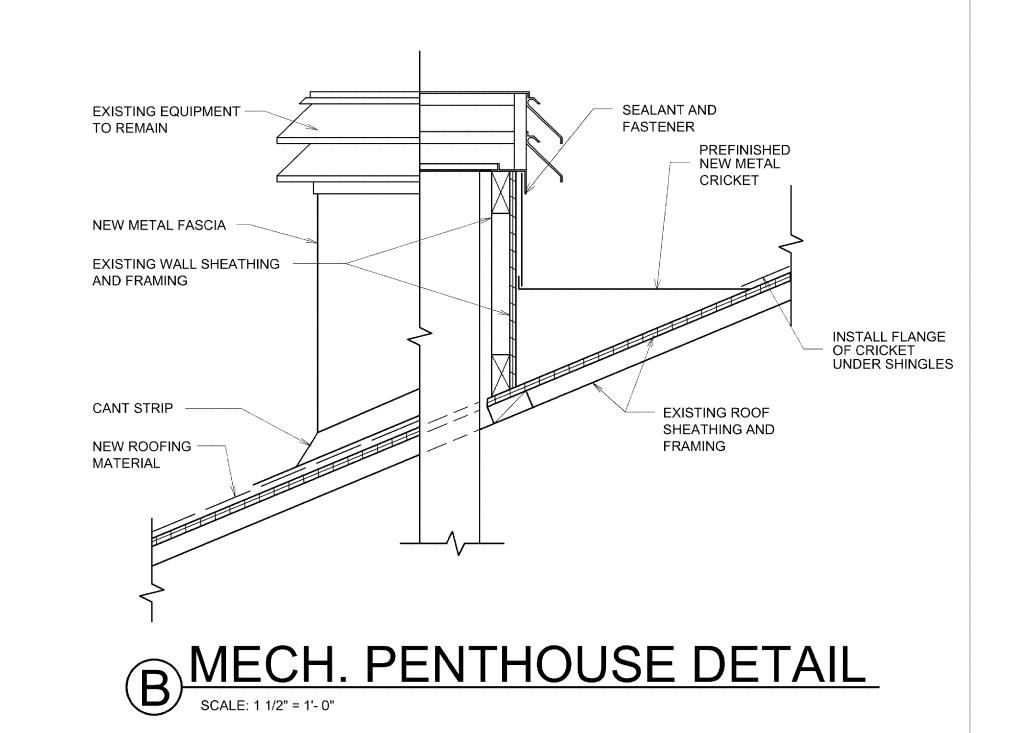
ROOF PLAN

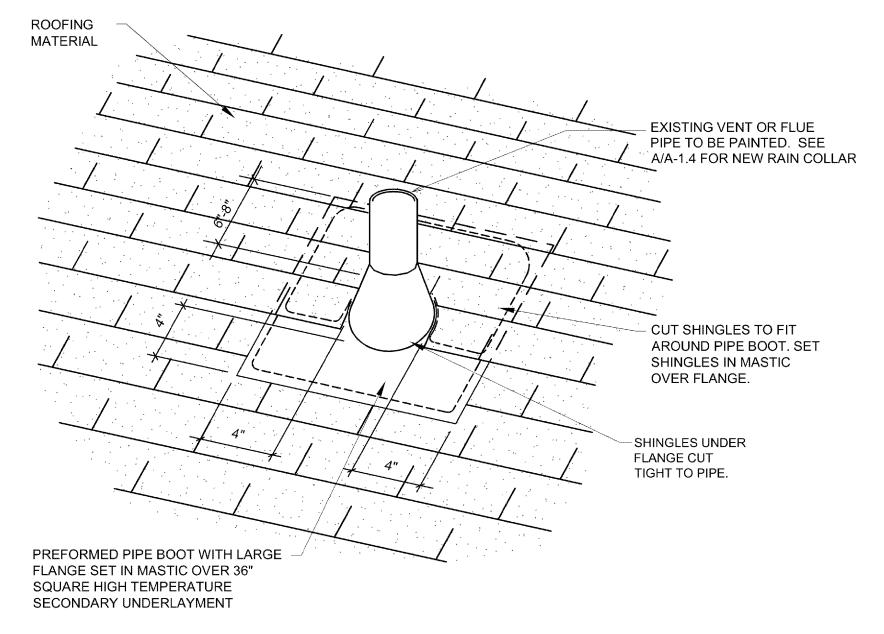
A-1.1





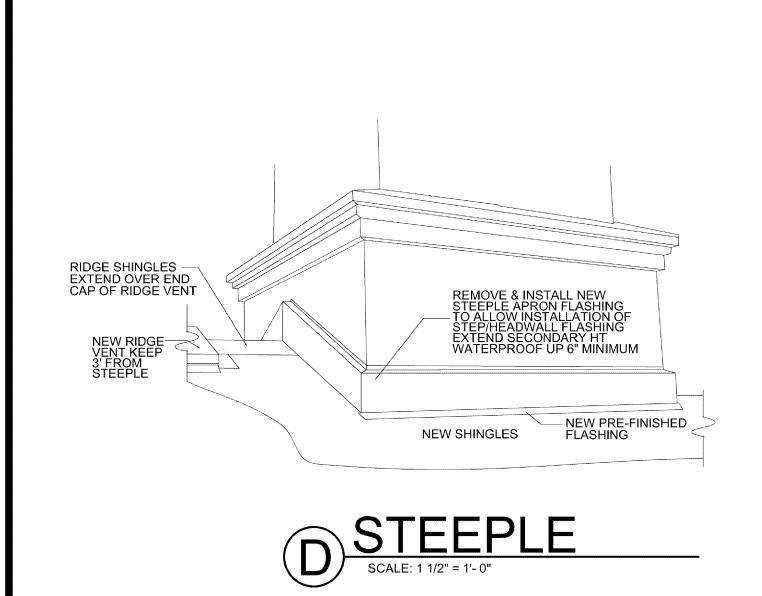


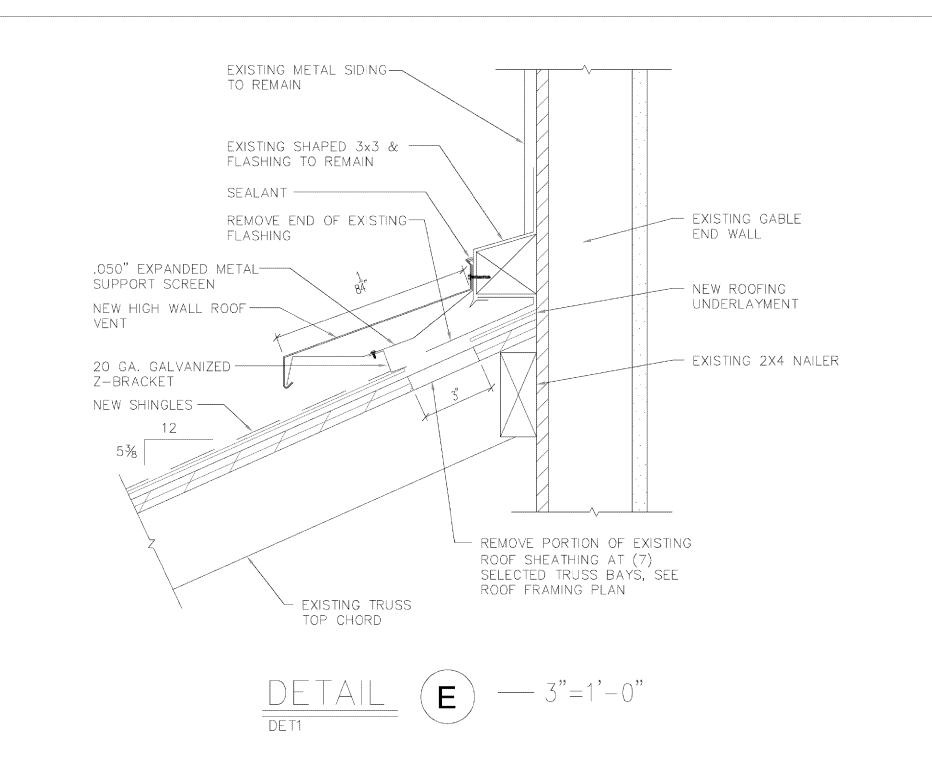


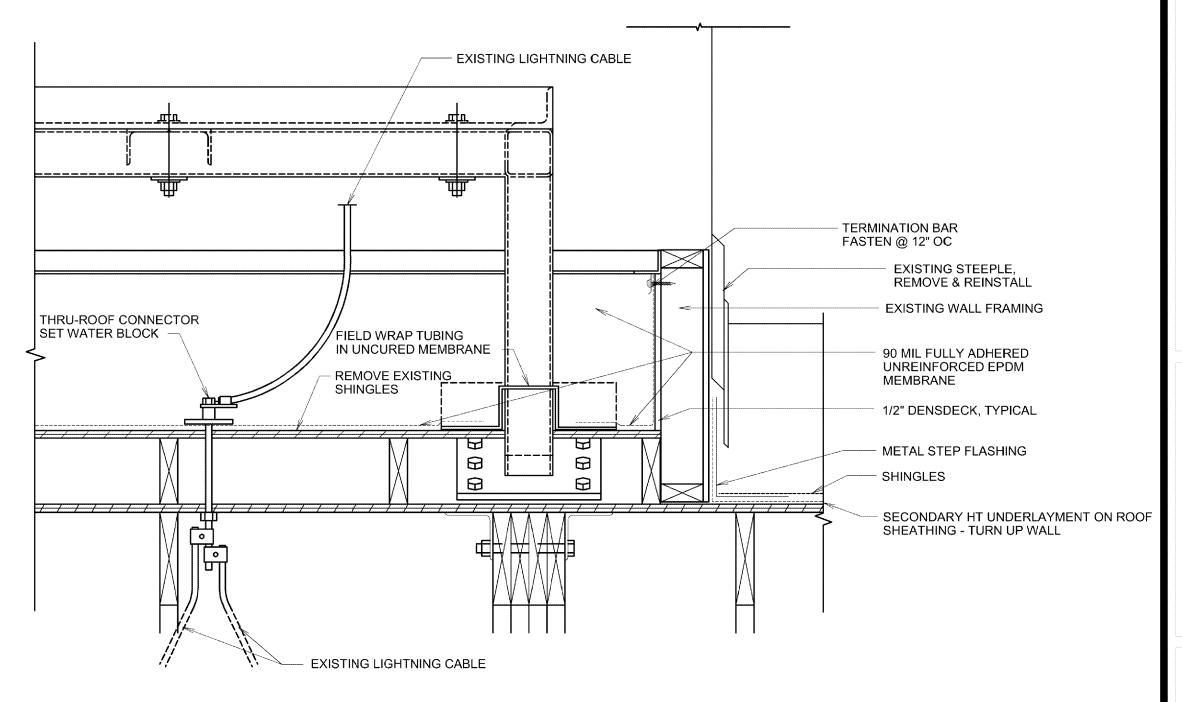


PIPE BOOT FLANGE DETAIL

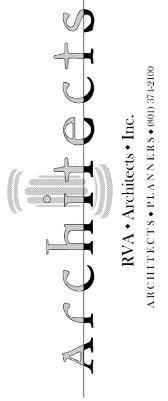
SCALE: NONE

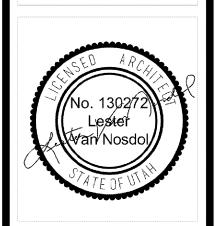




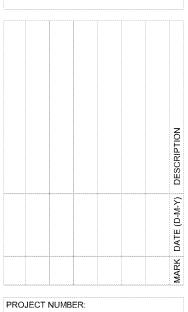








THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

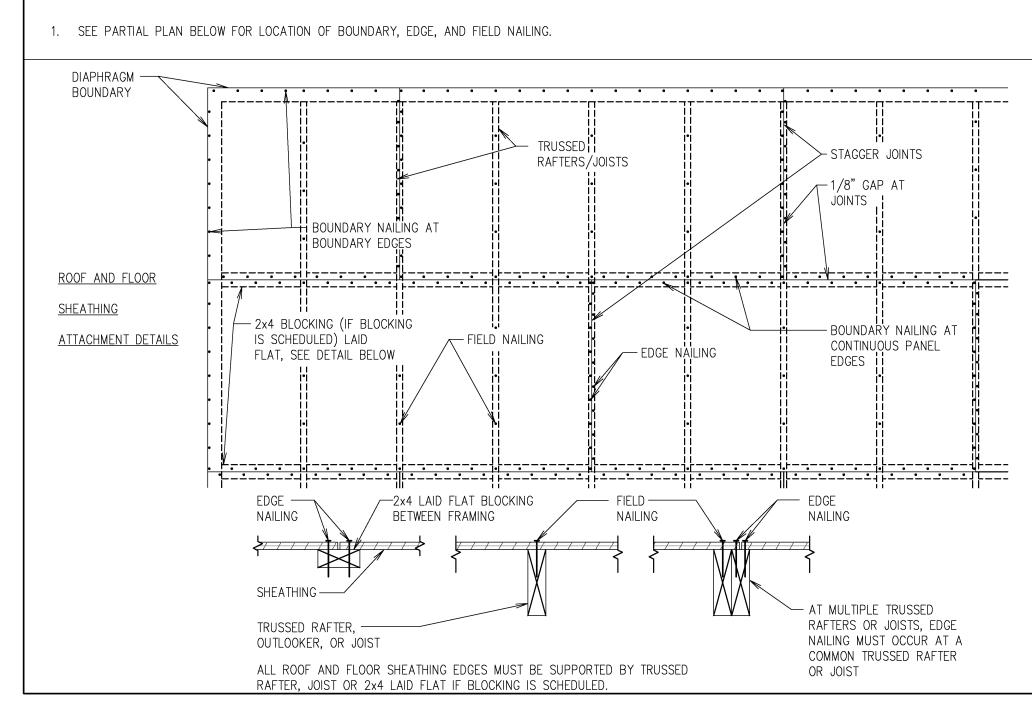


PLAN SERIES:

**ROOF DETAILS** 

A-1.4

		SCHI	EDULE B		
	SHEATHIN	G TYPE A	ND NAILING	SCHEDULE	
LOCATION	SHEATHING	EDGE 1 NAILING	FIELD 1 NAILING	BOUNDARY NAILING <sup>2</sup>	BLOCKING AT PANEL EDGES
ROOF 1	19/32" 40/20 SPAN RATING	10d AT 6" O.C.	10d AT 12" O.C.	10d AT 4" O.C.	NO



### SCHEDULE C

### QUALITY ASSURANCE

### (TESTING AND INSPECTION)

QUALITY ASSURANCE (TESTING AND INSPECTION) AS REQUIRED BY THE SPECIFICATIONS AND CHAPTER 17 OF THE IBC, SHALL BE PROVIDED BY AN INDEPENDENT AGENCY EMPLOYED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE REQUIRED TESTS AND INSPECTIONS. ALL TESTING AND INSPECTION REPORTS SHALL BE SENT WITHIN 24 HOURS OF COMPLETION OF THE TEST OR INSPECTION TO THE OWNER, ARCHITECT, APPLICABLE ENGINEER, BUILDING OFFICIAL AND GENERAL CONTRACTOR. ITEMS REQUIRING QUALITY ASSURANCE (TESTING AND INSPECTION) ARE:

WOOD DIAPHRAGMS AND SHEAR WALLS:

A. FOR WALLS AND ROOF AREAS WHERE THE NAIL SPACING IS 4 INCHES AND LESS ON CENTER, THE INSPECTOR SHALL VERIFY WOOD PANEL SHEATHING, GRADE, AND THICKNESS, NOMINAL SIZE OF FRAMING MEMBERS, NAIL SIZE

AND SPACING, BOLTING, SILL PLATE AND ANCHOR BOLTS, AND OTHER FASTENING OF COMPONENTS

## SCHEDULE D

## SITE OBSERVATIONS BY STRUCTURAL ENGINEER

SITE OBSERVATIONS SHALL BE DONE BY THE ENGINEER OF RECORD OR AN APPROVED LICENSED STRUCTURAL ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN HE HAS REACHED THE CONSTRUCTION STAGE LISTED BELOW AND BEFORE THE WORK TO BE OBSERVED IS COVERED UP, BECOMES HIDDEN FROM VIEW, OR BECOMES INACCESSIBLE. THIS IS TO PROVIDING THE STRUCTURAL ENGINEER THE OPPORTUNITY TO PERFORM A SITE OBSERVATION, AT THE ENGINEERS DISCRETION, AT THAT STAGE. AT THE CONCLUSION OF THE PROJECT, THE STRUCTURAL OBSERVER SHALL SUBMIT TO THE BUILDING OFFICIAL A WRITTEN STATEMENT OF THE SITE VISITS THAT HAVE BEEN PERFORMED AND IDENTIFY ANY REPORTED DEFICIENCIES THAT HAVE NOT BEEN RESOLVED:

WHEN TRUSS BLOCKING IS INSTALLED
 AT THE COMPLETION OF THE WOOD DIAPHRAGM NAILING PRIOR TO DRY-IN.

### SCHEDULE J

### WIND COMPONENTS AND CLADDING

/IND COMPONENT	EFFECTIVE WIND AREA FOR COMPONENT(SQ FT.)				
LEVATION BOVE GRADE	10 sq ft.	20 sq ft.	50 sq ft.	100 sq ft.	500 sq ft.
0-15 ft	23.60	22.02	19.97	18.27	14.64
20 ft	25.16	23.48	21.29	19.48	15.61
25 ft	26.33	24.57	22.28	20.39	16.34
30 ft	27.30	25.48	23.10	21.14	16.94
35 ft	28.28	26.39	23.93	21.90	17.55

### SCHEDULE E

### REQUIRED NAIL TYPES

- 1. USE SCHEDULE E/SO.1 WHERE NOT DETAILED OTHERWISE IN DRAWINGS.
  2. ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW UNLESS NOTED OTHERWISE; NAILS FOR
- 3RD PARTY HARDWARE SHALL BE AS REQUIRED BY MANUFACTURER OF HARDWARE.

  3. ALL FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICONE BRONZE, OR COPPER, UNLESS WOOD IS BORATE TREATED. EXCEPTION: PLAIN CARBON STEEL FASTENERS, INCLUDING NUTS AND WASHERS, IN SBX/DOT AND
- ZINC BORATE PRESERVATIVE—TREATED WOOD IN AN INTERIOR, DRY ENVIRONMENT ARE PERMITTED.

  4. LENGTH OF NAILS ATTACHING SHEATHING MAY BE REDUCED PROVIDED THAT THE MINIMUM PENETRATION NOTED BELOW IS MET.
- NOTED BELOW IS MET.

  5. NAILS USED IN SIMPSON HARDWARE (OR HARDWARE OF EQUAL VALUE) SHALL BE AS SPECIFIED BY THE
- 6. OTHER FASTENERS MAY BE USED TO REPLACE NAILS BUT THEY MUST HAVE EQUIVALENT, OR LARGER, DIAMETERS AND PENETRATION LENGTHS.

### ALL NAILS NOTED ON THE DRAWINGS SHALL BE AS SHOWN BELOW. UNLESS NOTED OTHERWISE.

MANUFACTURER.

SHOWIN	HOWN BELOW, ONLESS NOTED OTHERWISE.						
NAIL SIZE	TYPE	STANDARD LENGTH (INCHES)	DIAMETER (INCHES)	MINIMUM PENETRATION REQUIRED (INCHES)			
8d	COMMON	2 1/2	.131	1 3/8			
10d	вох	3	.128	1 1/2			
16d	BOX	3 1/2	.135	1 1/2			

#### SCHEDULE F SCHEDULE OF CONSTRUCTION MATERIALS SPECIES GROUP AND MINIMUM GRADE (ANY SPECIES AND GRADE LISTED MAY BE USED FOR ANY OF THE DESCRIBED APPLICATIONS). APPLICATION DOUGLAS FIR-LARCH #2 OR BETTER TOP PLATES, STRUTS, ROOF JOISTS, HEM FIR #1 OR BETTER FLOOR JOISTS, MISC. FRAMING, SOUTHERN PINE #2 OR BETTER HEADERS, BEAMS, LEDGERS 1650F - 1.5E OR BETTER DOUGLAS FIR-LARCH #2 OR BETTER #2 OR BETTER HEM FIR BLOCKING SOUTHERN PINE #2 OR BETTER 1650F - 1.5E OR BETTER NOTES: 1. DESIGN VALUES ARE FOR NORMAL DURATION. REPETITIVE FRAMING FACTORS AND SIZE FACTORS HAVE NOT BEEN APPLIED.

	SCHEDULE	G			
SPECIAL INSPECTION	SCHEDUL	E (20	15 IBC	CHAPTER	17)
REQUIRED VERIFICATION AND	INSPECTION OF	WOOD CONS	TRUCTION (IB	C 1707.3)	
VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	(	COMMENTS	
1. WOOD DIAPHRAGM FASTENING		X			

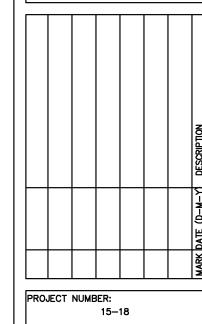
TABLE	OF		DULE VALEI		ASTEN	NERS
		STAPLES, N (VALID FOR	AILS, AND T	-NAILS.		
COMMON		EQUIV. SPA		PPR'D FASTI	FNFR	
COMMON NAIL			STAPLES	TRU TAST	NAILS T-N	IAILS
SPACING	GAUGE	16	15	14	113	131
	PENE- TRATION	1"	1"	1"	1 1/4"	1 1/2"
6d AT	4"	3 1/2"	4"	5"	4"	5"
	6"	5"	6"	7"	6"	7 1/2"
	8"	6 1/2"	8"	9 1/2"	8"	10"
	10"	8 1/2" 10"	10" 12"	12"	10" 12"	12"
O L AT	12" 4"	2 1/2"	3 1/2"	14 1/2" 4"	3 1/2"	14 1/2"
8d AT	6"	4"	5"	6"	5"	6"
	8"	5 1/2"	6 1/2"	8"	6 1/2"	8"
	10"	6 1/2"	8"	10"	8"	10"
	12"	8"	10"	12"	9 1/2"	12"
10d AT	4"	2"	2 1/2"	3"	2 1/2"	3 1/2"
	6"	3 1/2"	4"	5"	4"	5"
	8"	4 1/2"	5 1/2"	6 1/2"	5 1/2"	7"
	10"	5 1/2"	7"	8"	6 1/2"	8 1/2"
	12"	6 1/2"	8"	9 1/2"	8"	10"
NOTE:  PENETRATION OF THE STA REQUIRED T	PLE OR NO ATTAIN		HE MAIN ME APACITY	MBER		

avmond Van Noedol & Aggor Inc



ONNEVILLE 10,11,1

THE CHURCH OF
ESUS CHRIST



PROJECT NUMBER:
15–18

PLAN SERIES:

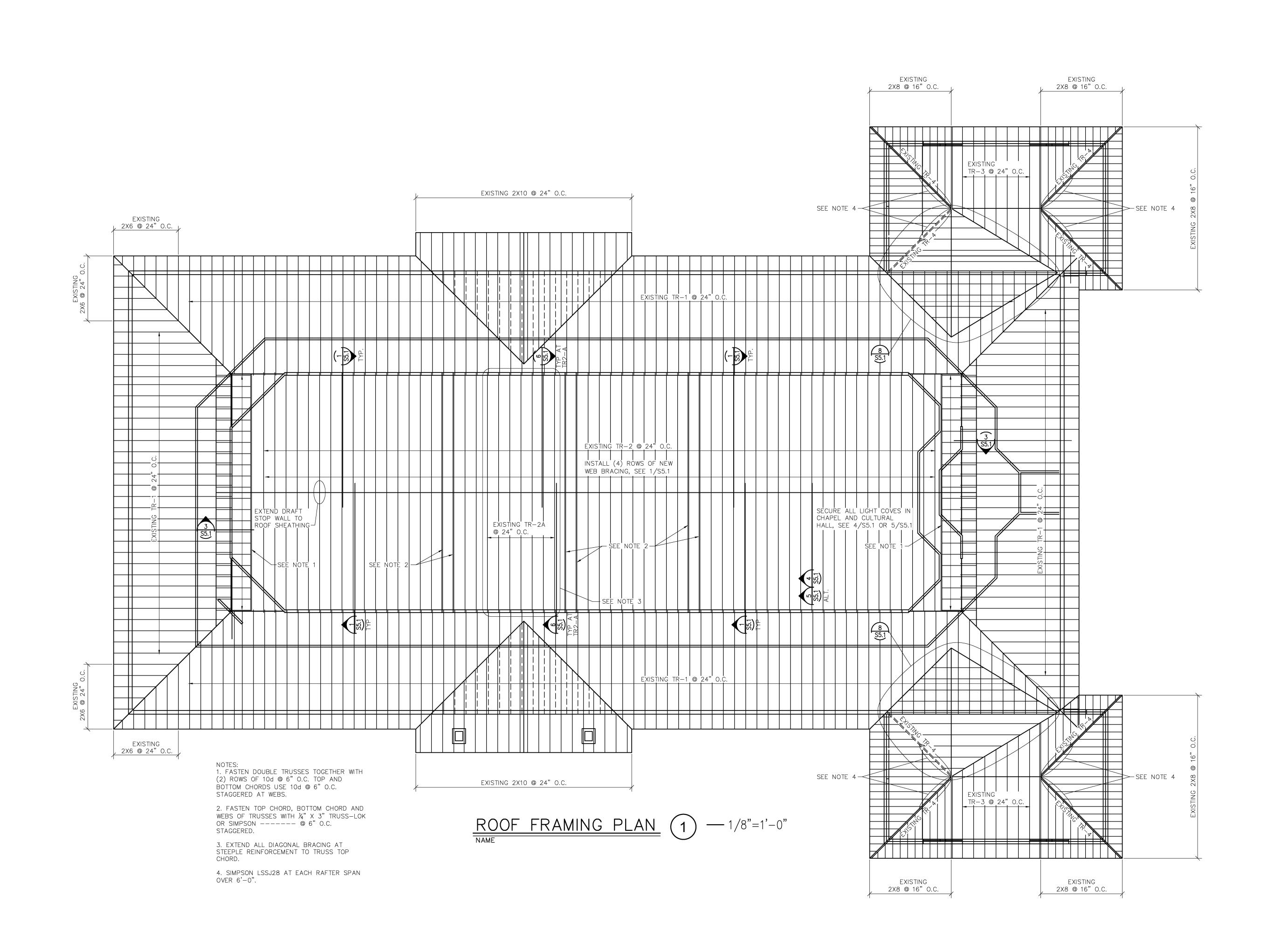
PROPERTY NUMBER:
529–4568

DATE:
03/03/2017

SHEET TITLE :
SCHEDULES

ET :

S0.1



Raymond Van Nosdol & Assoc. Inc

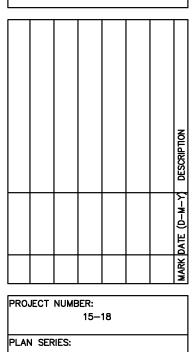


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BONNEVILLE 10,11,

THE CHURCH OF

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15–18

PLAN SERIES:

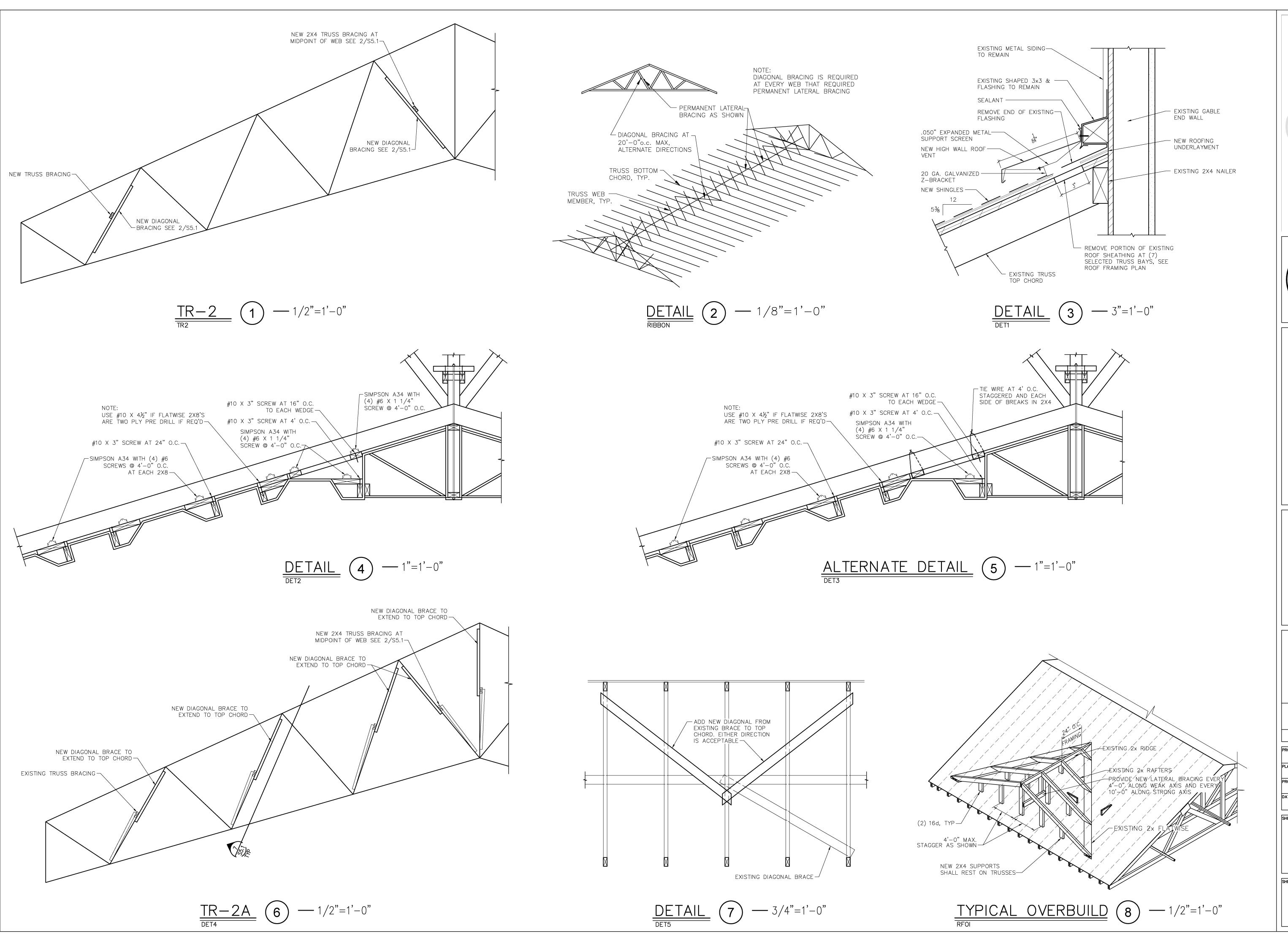
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529–4568

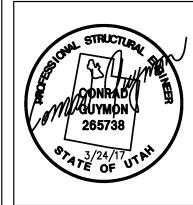
DATE:
03/03/2017

ROOF FRAMING
PLAN

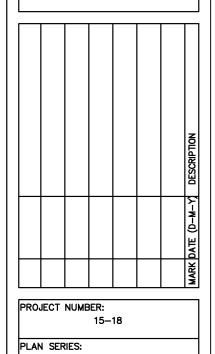
ET :

S1.1





 $\overline{\phantom{a}}$ ~ 10 BONNEVILLE RE-ROOF



SHEET TITLE :

**DETAILS** 

S5.1