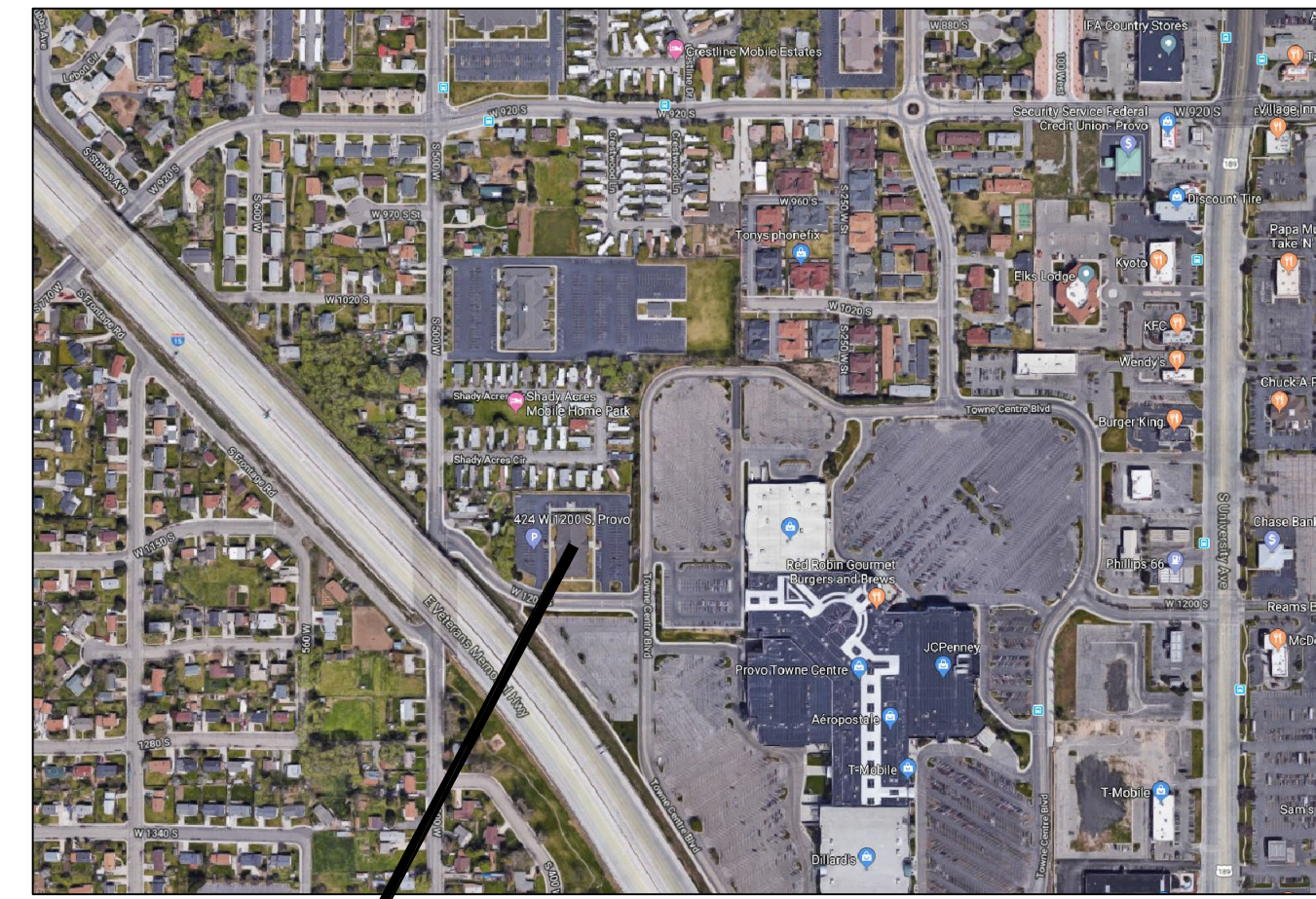


A R&I for:

East Bay 1, 2 Freedom 3

Provo UT Freedom Stake

VICINITY MAP



SITE

CONSULTANTS

ARCHITECT

Evans & Associates Architecture
 11576 South State Street #103B
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 Phone: (801) 553-8272
 Contact: Chad Spencer
 chad@studio-ea.com

STRUCTURAL ENGINEER

CKR Engineers
 1295 North State Street
 Orem, UT 84057
 Phone: (801) 368-3915
 Contact: Conrad Guymon
 conradg@ckrengineers.com

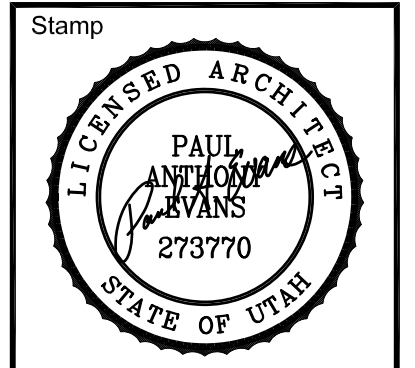
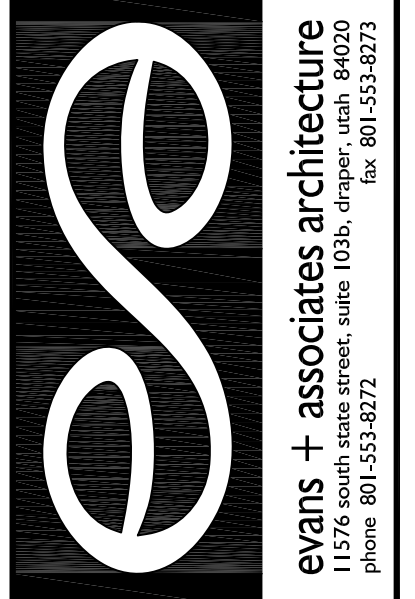
DRAWING INDEX

ARCHITECTURAL
 A101 COVER SHEET AND CEILING PLAN
 STRUCTURAL
 S101 CEILING PLAN
 S501 DETAILS
 S601 SCHEDULES

CODE INFORMATION

2015 IBC / 2015 IFC / 2014 NEC / 2015 IPC / 2015 IMC / 2015 IECC / 2012 IFGC / ICC ANSI A117.1-2009

Code Item	IBC Reference Code Requirement	Actual Building Design
Occupancy Classification	Chapter 3	Assembly Group A-3 (NO CHANGE)
Construction Type	602.5	Type V-B (NO CHANGE)



Suspended Elements Repair For:
East Bay 1, 2 Freedom 3
Provo UT Freedom Stake
 424 West 1200 South
 Provo, UT 84601-1524

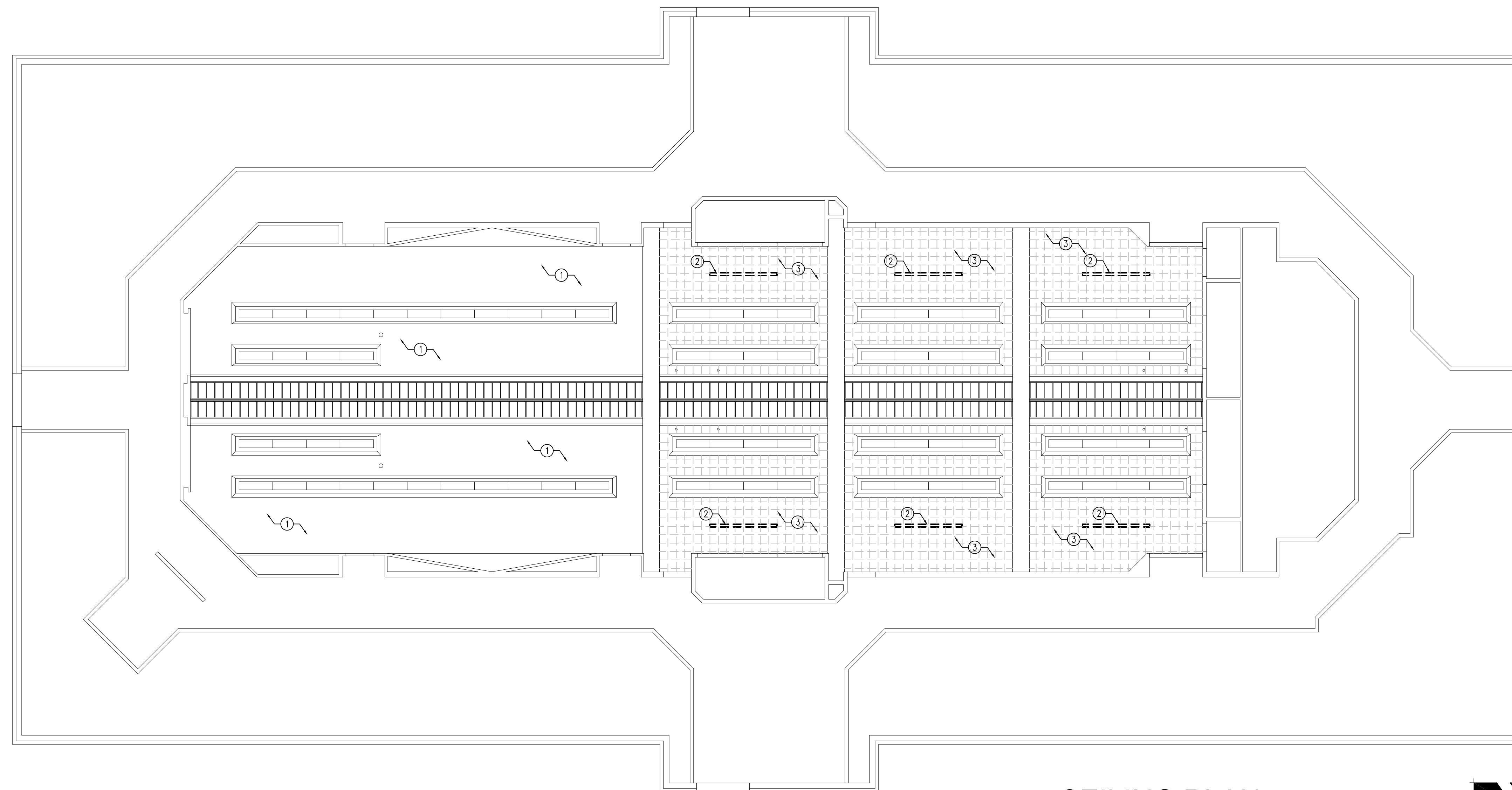
Project for:
THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS

KEYED NOTES

- PATCH AND REPAIR EXISTING GYPSUM BOARD CEILING AS NECESSARY AFTER STRUCTURAL UPGRADES HAVE BEEN COMPLETED, PAINT ENTIRE CHAPEL CEILING
- REMOVE EXISTING TRACK LIGHTING TRACK, TERMINATE POWER ABOVE CEILING
- REMOVE EXISTING ACOUSTICAL CEILING TILE, PATCH AND REPAIR EXISTING GYPSUM BOARD CEILING AS NECESSARY AFTER STRUCTURAL UPGRADES HAVE BEEN COMPLETED, INSTALL NEW ACOUSTICAL CEILING TILE

GENERAL NOTES

- THIS AND ANY OTHER DEMOLITION DRAWINGS ARE NOT INTENDED TO BE ALL-INCLUSIVE, NOR TO DEFINE THE SCOPE OF ALL DEMOLITION WORK REQUIRED FOR THIS PROJECT. DEMOLITION DRAWINGS ARE SHOWN ONLY TO AID THE CONTRACTOR IN PREPARING THE BID AND PERFORMING THE WORK. CONTRACTOR SHALL EXAMINE ALL CONTRACT DOCUMENTS AND VISIT THE SITE DURING BIDDING TO DETERMINE THE TOTAL EXTENT AND SCOPE OF THE DEMOLITION PORTION OF THIS WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO CARRY OUT THE WORK AS SHOWN IN THE CONTRACT DOCUMENTS.
- ALL ITEMS ARE EXISTING AND ARE TO REMAIN UNLESS NOTED OTHERWISE.
- THE CONTRACTOR OR SUBCONTRACTOR SHALL VISIT THE SITE AND SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING UPON DISCOVERY.
- ALL PROPERTY DAMAGED BY WORK UNDER THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE OF RUBBISH AND WASTE MATERIALS FROM THE WORK.



CEILING PLAN

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



Revisions	Mark	Date	Description

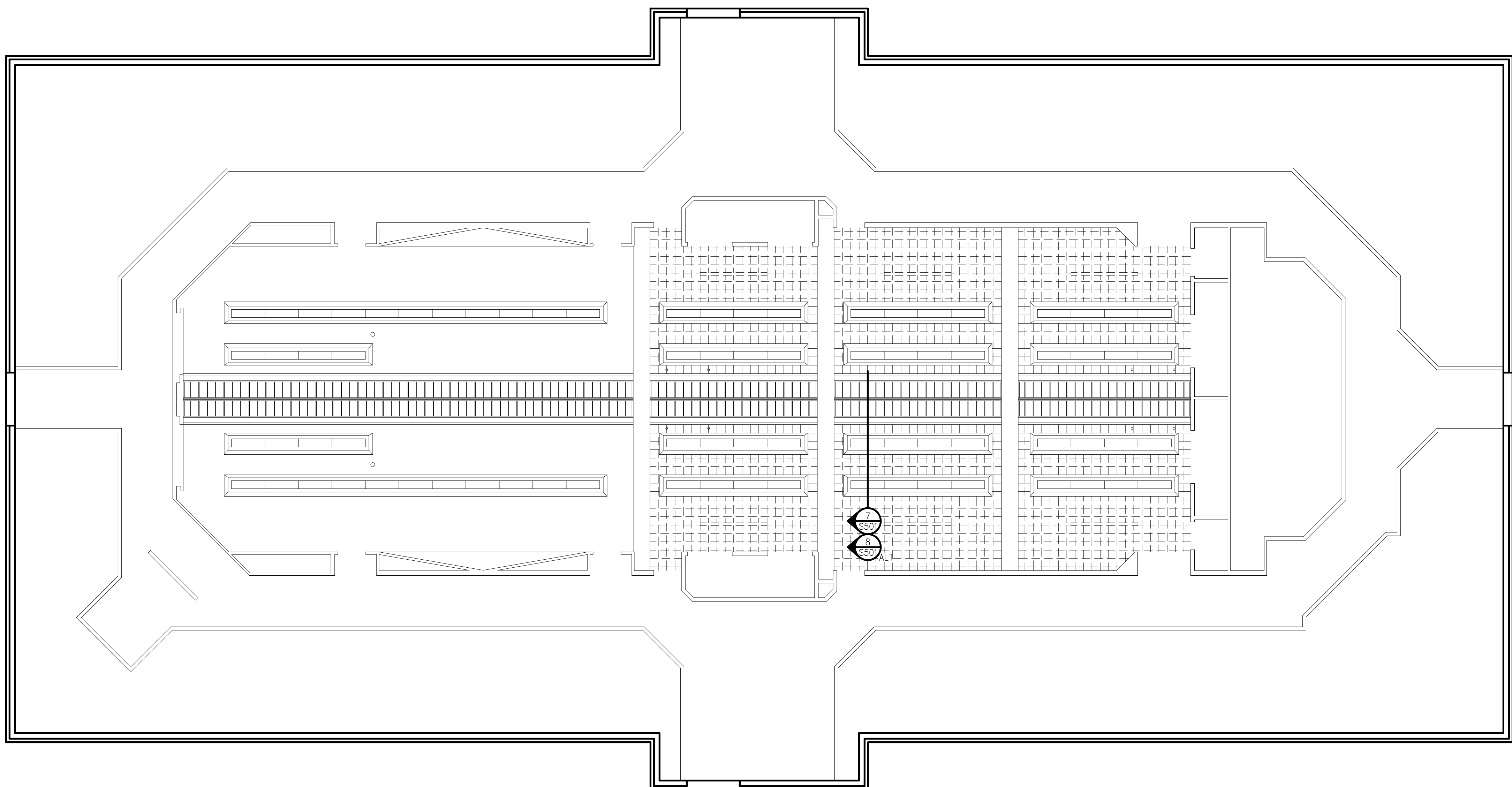
Project Number
 19-14
 Plan Series
 R&I
 Property Number
 526710219020101
 Date
 April 1, 2019

Sheet Title

COVER SHEET AND
 CEILING PLAN

Sheet

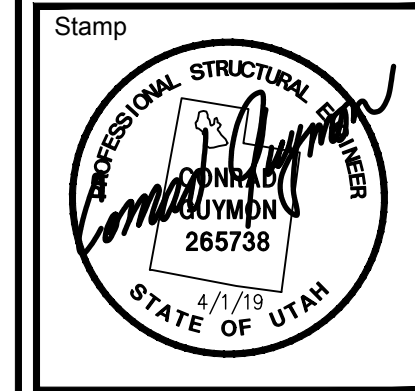
A101



NOTES:
 1. ATTACH HAT CHANNELS TO TRUSSES AT ENTIRE HIGH CEILING AREA. SEE DETAILS 1/S501, 2/S501, 3/S501 AND 4/S501.
 2. ATTACH LIGHT COVES TO EXISTING TRUSSES. SEE DETAILS 5/S601 AND 6/S601

CEILING PLAN **1** — 1/8"=1'-0"

NAME



Suspended Elements Repair For:
East Bay 1, 2 Freedom 3
Provo UT Freedom Stake
 424 West 1200 South
 Provo, UT 84601-5924

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

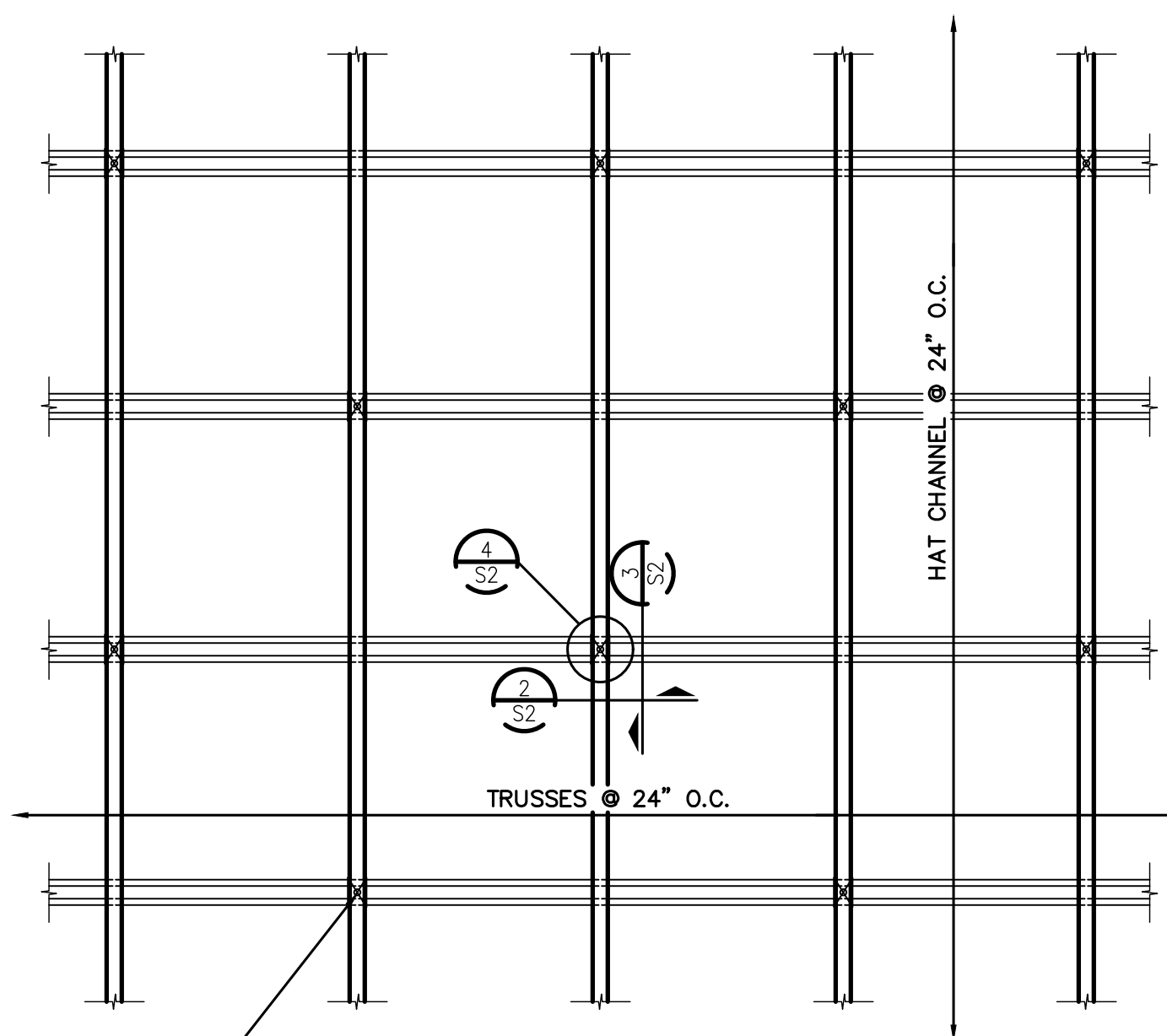
Revisions	Date	Description

Project Number
19-14
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526710219020101
 Date
April 1, 2019

Sheet Title

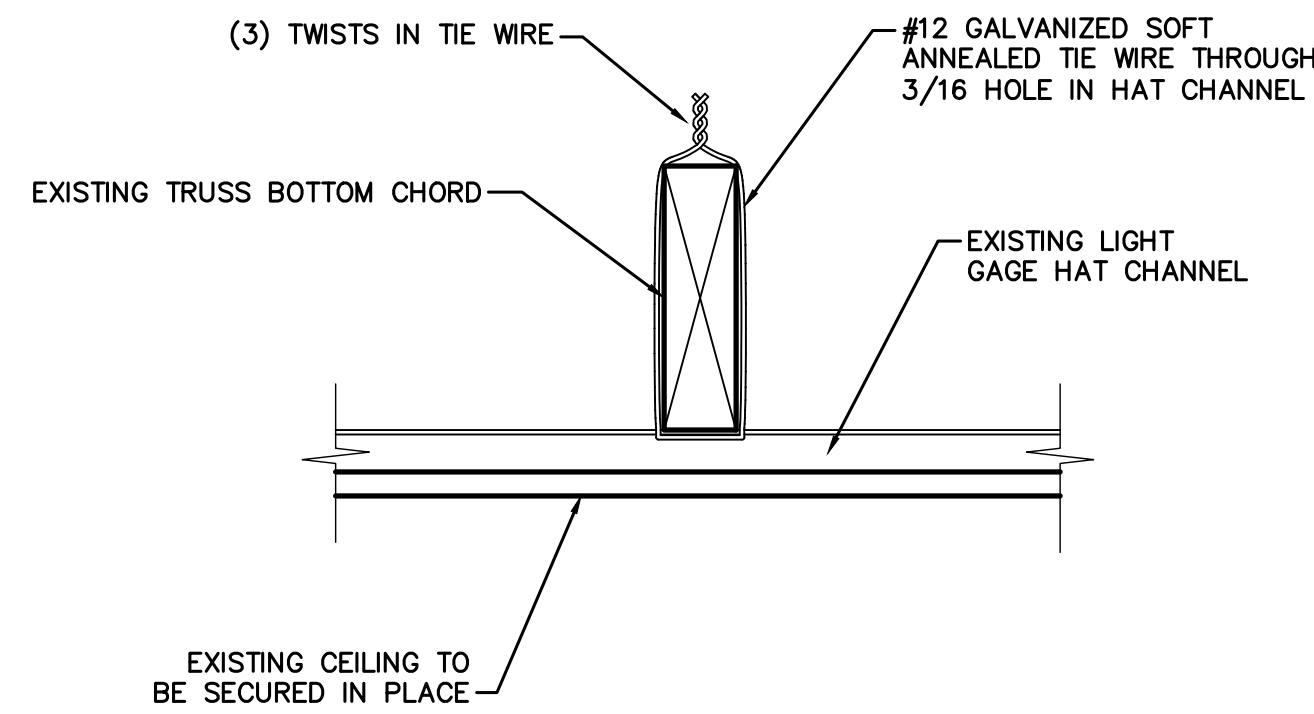
 CEILING PLAN

Sheet
S101

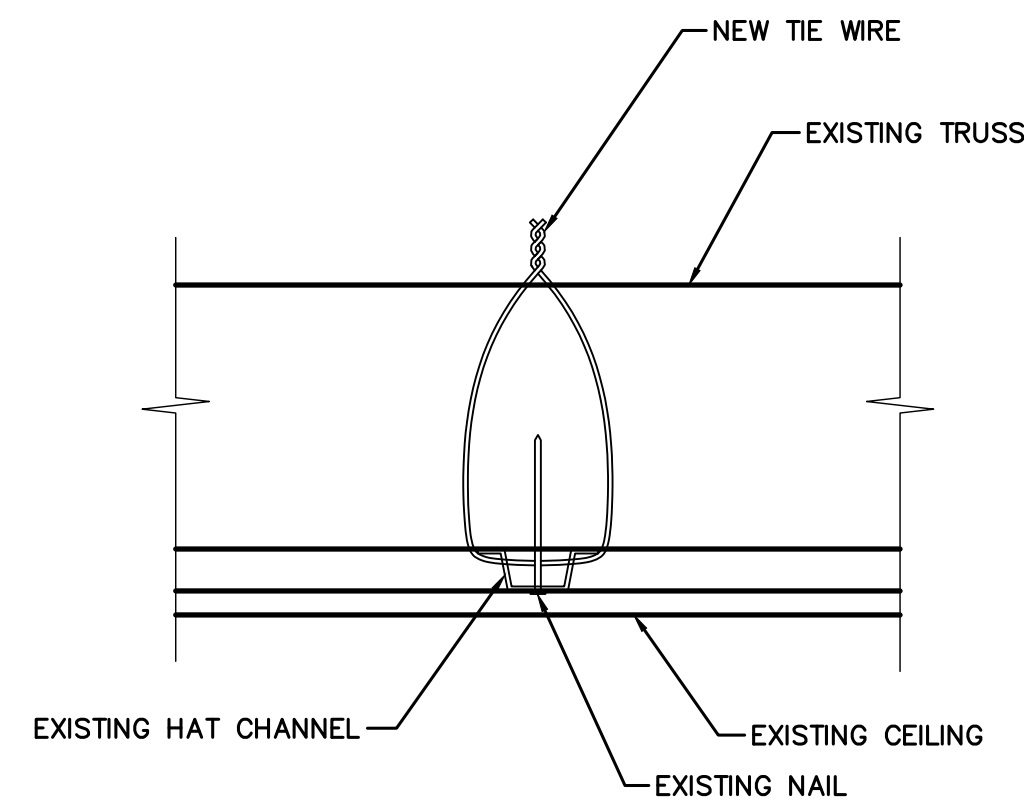


TIE POINTS EVERY OTHER TRUSS. ADD TIES TO WORK AROUND DUCTWORK NO HAT CHANNEL SPAN MORE THAN 4 FT.

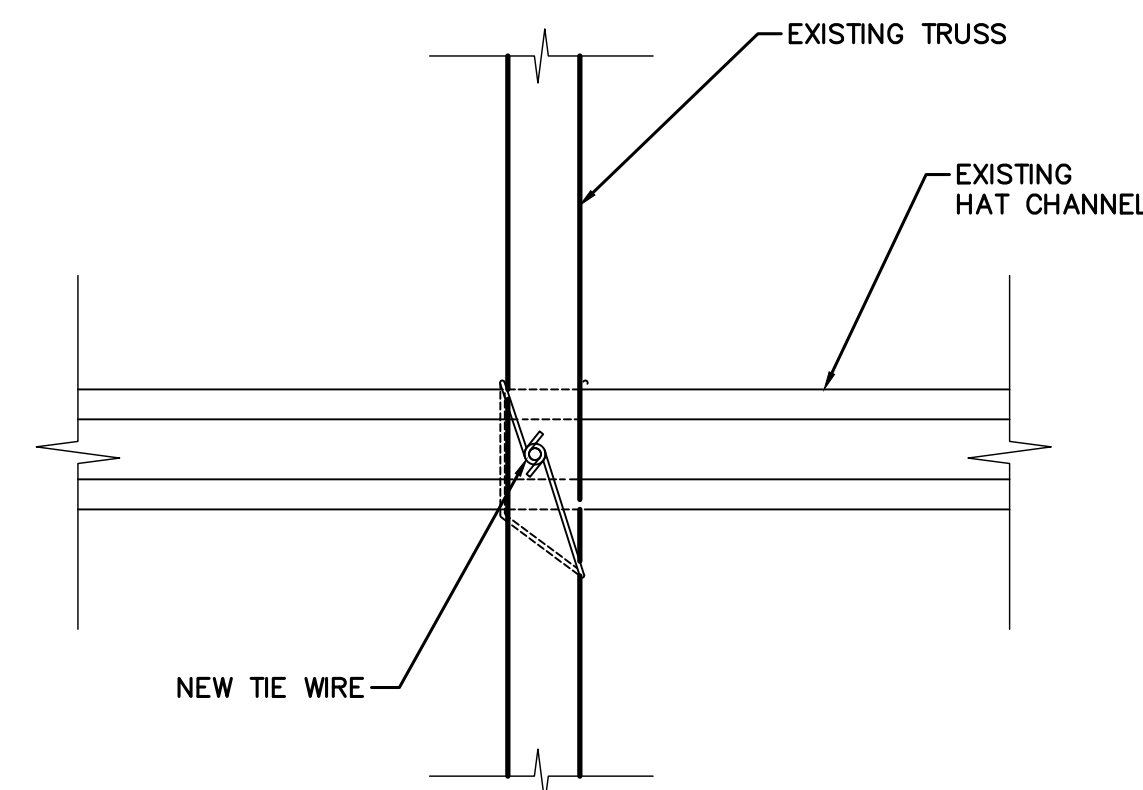
DETAIL 1 — 3/4"=1'-0"
DET1



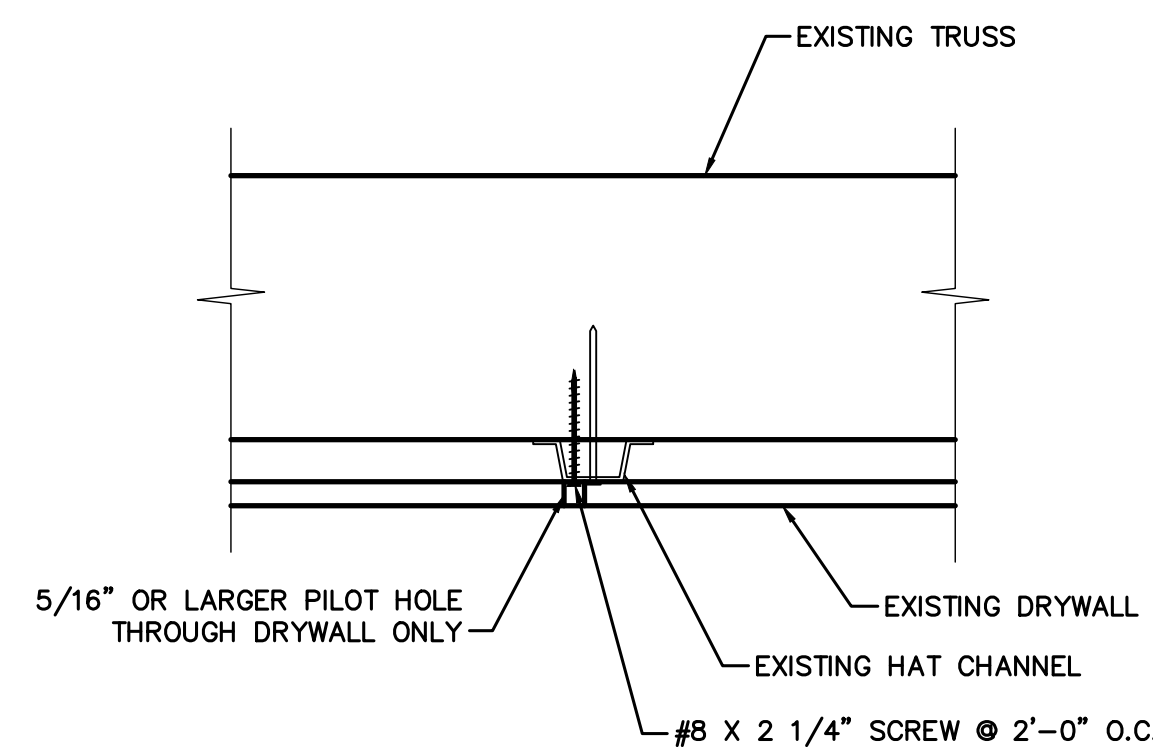
DETAIL 2 — 3"=1'-0"
DET2



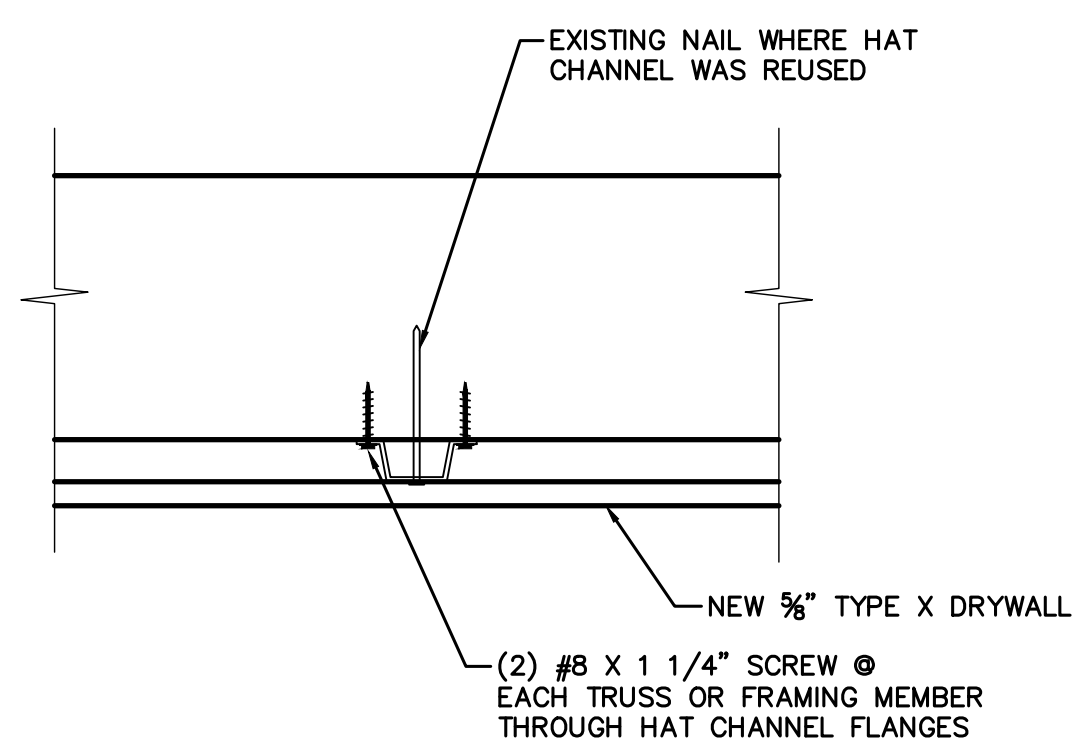
DETAIL 3 — 3"=1'-0"
DET3



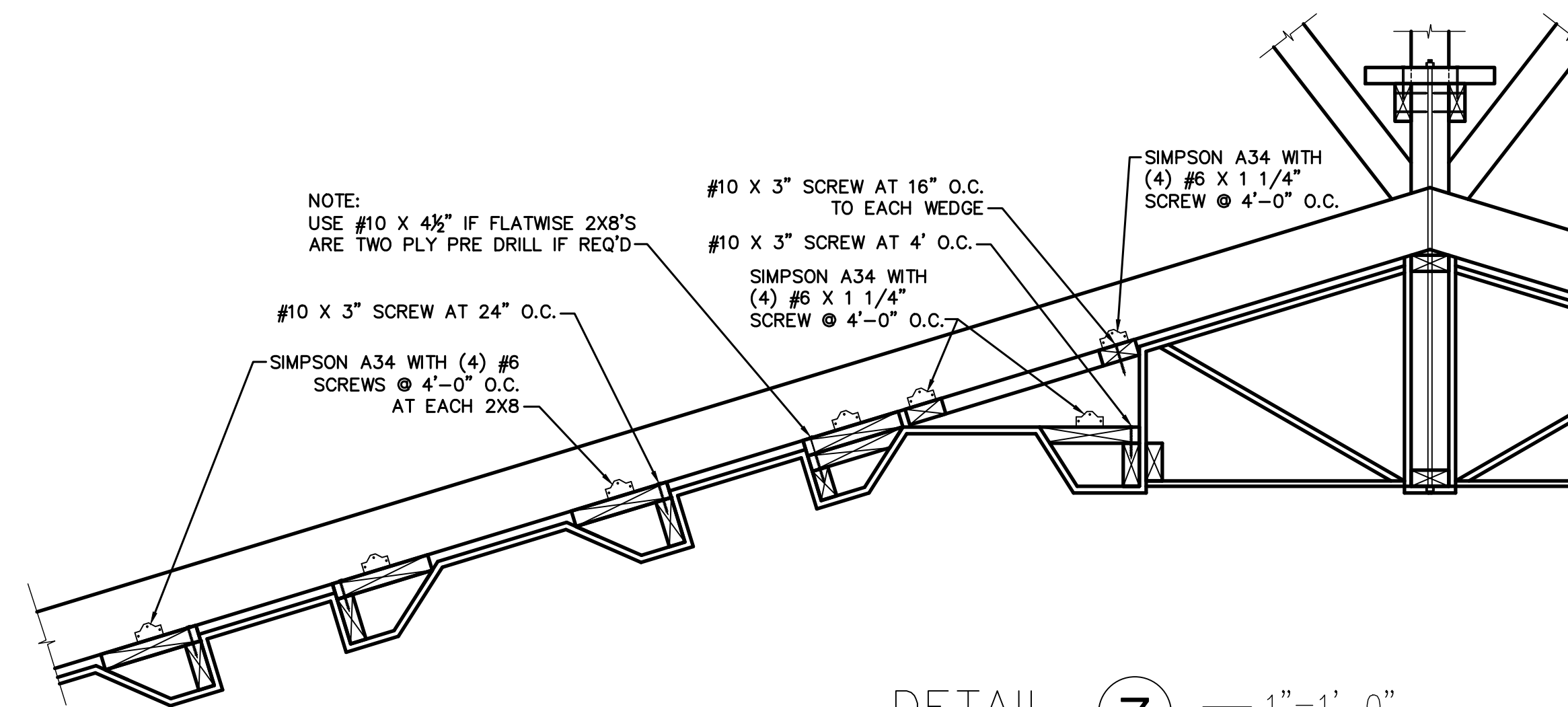
DETAIL 4 — 3"=1'-0"
DET4



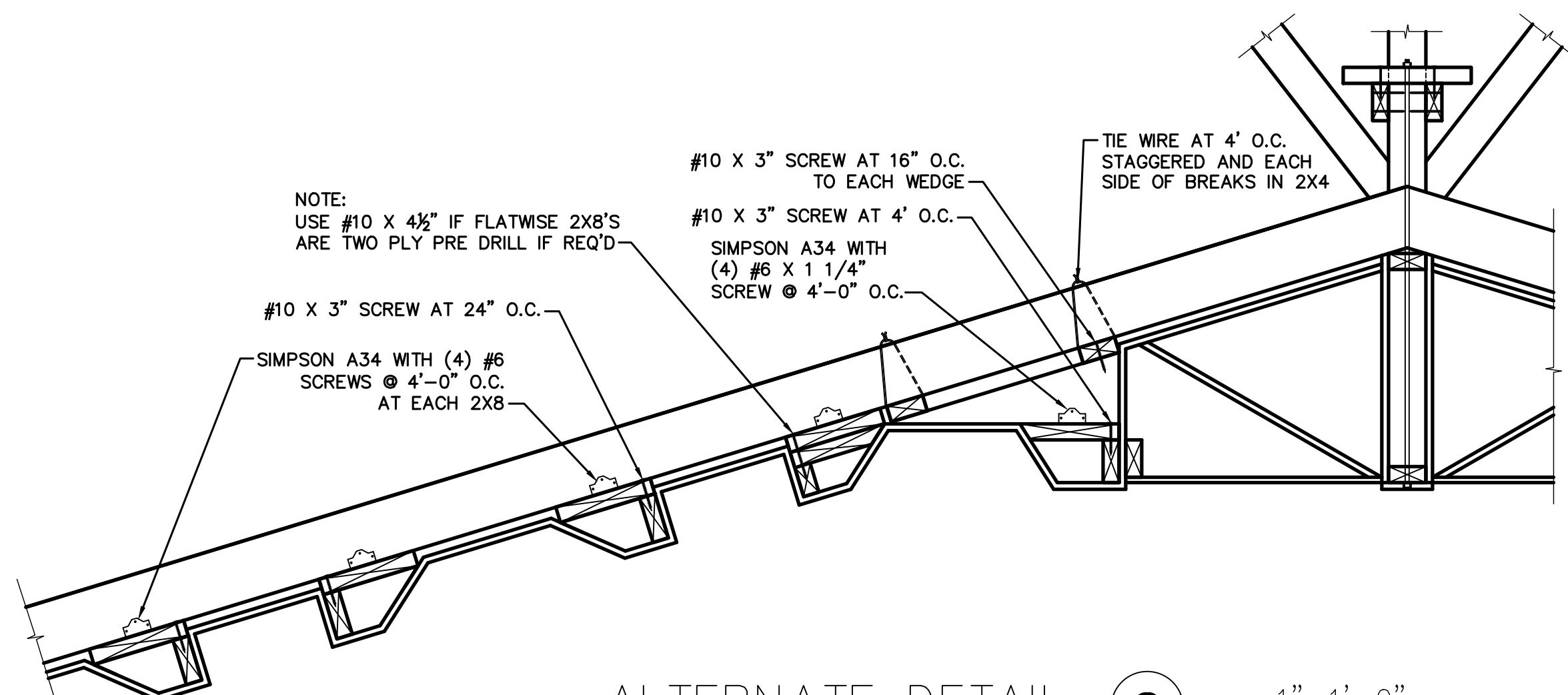
DETAIL 5 — 3"=1'-0"
DET5



DETAIL 6 — 3"=1'-0"
DET6



DETAIL 7 — 1"=1'-0"
DET8



ALTERNATE DETAIL 8 — 1"=1'-0"
DET7

Revisions	Description

Project Number	19-14
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Sheet Title	DETAILS
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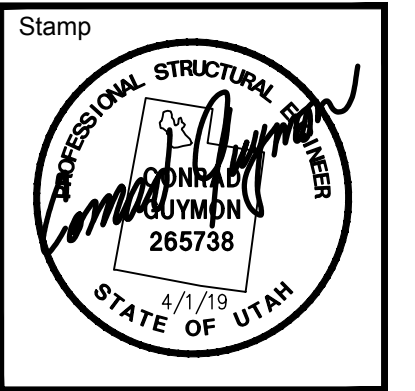
SCHEDULE A DESIGN CRITERIA		
DESIGN CRITERIA	2015 INTERNATIONAL EXISTING BUILDING CODE	
SEISMIC	RISK CATEGORY	III
	IBC SEISMIC IMPORTANCE FACTOR	$I_s = 1.25$ (OWNER'S REQUIREMENT)
	MAPPED SPECTRAL RESPONSE ACCELERATION:	
	MAPPED VALUE OF S_s (FOR ALL CALCULATIONS EXCEPT C_s)	$S_s = 1.235$
	VALUE OF S_s USED TO CALCULATE C_s	$S_{ss} = 1.235$
	S_1	$S_1 = 0.442$
	SOIL SITE CLASS	D
	SITE COEFFICIENT F_a	$F_a = 1.006$
	SITE COEFFICIENT F_v	$F_v = 1.558$
	DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS	$S_{DS} = 0.828$
	SEISMIC DESIGN CATEGORY	$S_{D1} = 0.459$
	BASIC SEISMIC-FORCE RESISTING SYSTEM	D
	RESPONSE MODIFICATION FACTOR	LIGHT FRAMED WOOD SHEAR WALLS
	OVERSTRENGTH FACTOR	$R = 6.5$
ANALYSIS PROCEDURE USED	$W_o = 3$	
SEISMIC RESPONSE COEFFICIENT - ULTIMATE	ASCE 7-10 EQUIVALENT LATERAL FORCE PROCEDURE SECTION 12.8 pg 89	
SEISMIC RESPONSE COEFFICIENT - ULTIMATE	$C_s = 0.159$	
WIND	ASCE 7-10 ENVELOPE PROCEDURE, PART 1	
	WIND SPEED (3 SECOND GUST ULTIMATE)	120 M.P.H.
	EXPOSURE CATEGORY	B
ROOF	DEAD LOAD	20 P.S.F.
	ROOF SNOW LOAD - THIS LOAD REFLECTS ROOF SNOW LOAD MULTIPLIED BY THE SNOW IMPORTANCE FACTOR, EXPOSURE FACTOR AND THERMAL FACTOR (VALUE SHOWN DOES NOT INCLUDE DRIFT LOAD)	33 P.S.F.
	SNOW IMPORTANCE FACTOR	$I_s = 1.1$
BUILDING ELEVATION	4544	

SCHEDULE B 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 PROVIDE THE STRUCTURAL ENGINEER THE OPPORTUNITY TO PERFORM A SITE OBSERVATION, AT THE ENGINEER'S 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: 1. DURING INSTALLATION OF CEILING CHANNEL SUPPORT PRIOR TO COVERING. 2. AFTER ALL LIGHT COVES ARE SECURED.	

SCHEDULE C REQUIRED NAIL TYPES				
NOTES: 1. USE SCHEDULE E/S01 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. 5. NAILS USED IN SIMPSON HARDWARE (OR HARDWARE OF EQUAL VALUE) SHALL BE AS SPECIFIED BY THE MANUFACTURER. 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.				
NAIL SIZE	TYPE	STANDARD LENGTH (INCHES)	DIAMETER (INCHES)	MINIMUM PENETRATION REQUIRED (INCHES)
8d	COMMON	2 1/2	.131	1 3/8
10d	BOX	3	.128	1 1/2
16d	BOX	3 1/2	.135	1 1/2

SCHEDULE D SCHEDULE OF CONSTRUCTION MATERIALS			
WOOD	DIMENSION LUMBER	APPLICATION	SPECIES GROUP AND MINIMUM GRADE (ANY SPECIES AND GRADE LISTED MAY BE USED FOR ANY OF THE DESCRIBED APPLICATIONS).
		TOP PLATES, STRUTS, ROOF JOISTS, FLOOR JOISTS, MISC. FRAMING, HEADERS, BEAMS, LEDGERS	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE MSR
	BLOCKING	DOUGLAS FIR-LARCH HEM FIR SOUTHERN PINE MSR	#2 OR BETTER #2 OR BETTER #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.



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Revisions	Description	
	Mark	Date

Project Number: 19-14
 Plan Series: R&I
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Sheet Title

SCHEDULES

Sheet

S601