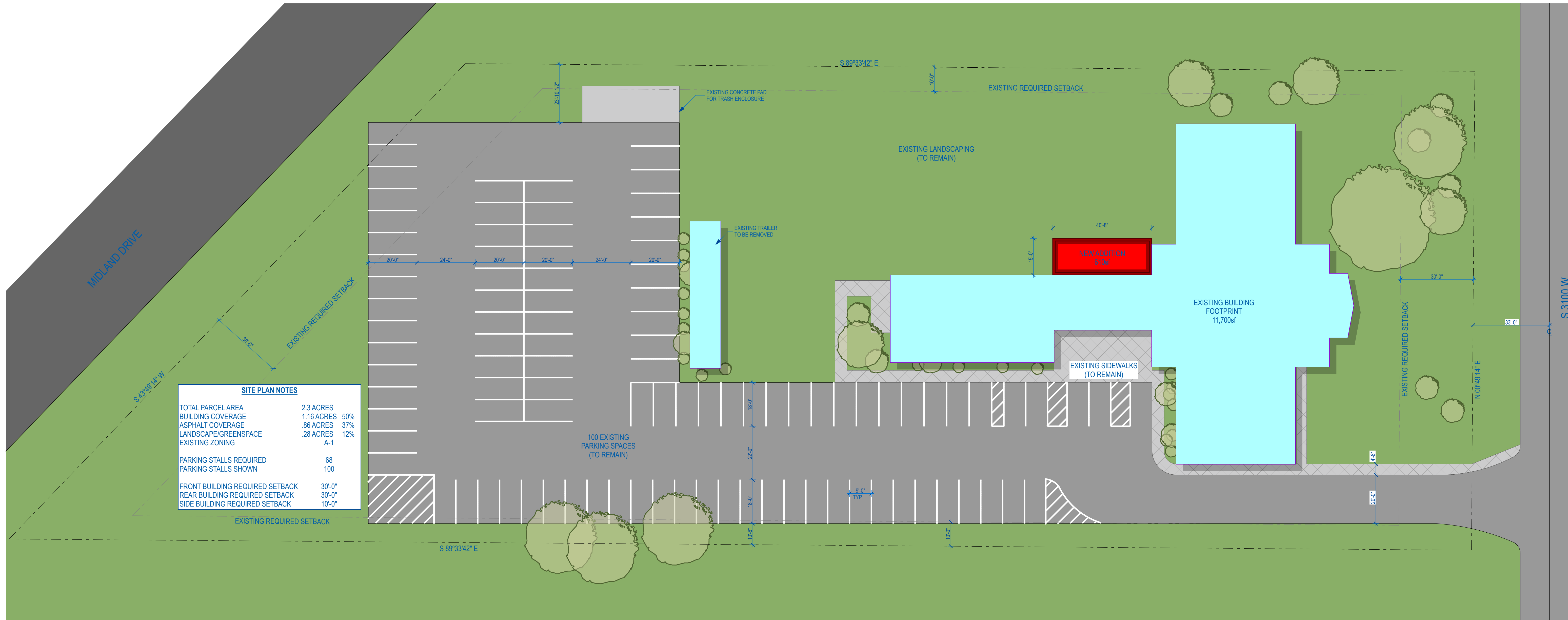


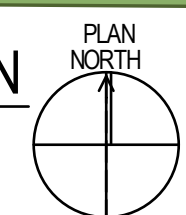


ALPINE CHURCH WEST HAVEN

4433 S 3100 W
ROY, UT 84067



1 ARCHITECTURAL SITE PLAN
SCALE: 1" = 20'



NOTE FOR GENERAL, MECHANICAL, ELECTRICAL, PLUMBING AND ALL OTHER SUBCONTRACTORS: ALL CONTRACTORS ARE REQUIRED TO REVIEW ALL SHEETS OF THESE DRAWINGS AND ALL SECTIONS OF THE PROJECT MANUAL AND INCLUDE THEIR PROVISIONS IN THEIR ESTIMATE. THIS SHALL INCLUDE THIS COVER SHEET, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL.

NOTE TO ALL CONTRACTORS:
THE MATERIALS AND LABOR COVERED BY THIS CONTRACT MUST CONFORM TO THE SAFETY ORDERS OF THE STATE, OSHA, AND THE DIVISION OF WORKER'S COMPENSATION.

SUBCONTRACTOR RESPONSIBILITY:
ALL SUBCONTRACTORS SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS OF ALL CURRENT APPLICABLE BUILDING CODES AND ENFORCEMENT AGENCIES. FURTHER, TO MEET THE REQUIREMENTS OF ANY BUILDING DEPARTMENT, FIRE MARSHAL, OR ANY OTHER BUILDING CODE ENFORCEMENT OFFICER.

RECORD DRAWINGS AND MAINTENANCE MANUALS:
CONTRACTOR AND MAJOR SUBCONTRACTORS SHALL PROVIDE AND MAINTAIN A COMPLETE AND ACCURATE "AS BUILT" SET OF PRINTS FOR THEIR PARTICULAR TRADE. INDICATE CLEARLY AND CORRECTLY ALL WORK INSTALLED DIFFERENTLY FROM THAT SHOWN ON THE CONTRACT DRAWINGS AND WORK WHICH MAY BE ADDED TO OR DELETED FROM THE CONTRACT. KEEP RECORD DRAWINGS UP TO DATE AS WORK PROGRESSES. LOCATE ALL STUB OUTS, SERVICE, OR FEEDER CONDUITS IN OR BELOW SLABS OR GRADE, BY PLAN DIMENSIONS AND ELEVATION. SHOW INVERT ELEVATIONS AT ALL BREAKS IN GRADE AND PIPE SIZES FOR ALL WATER AND GAS LINES. SHOW ALL MAIN SHUT OFF VALVES PLAINLY. ALL CHANGES ARE TO BE SHOWN ON BLUE PRINTS AND TRANSMITTED TO THE ARCHITECT VIA THE GENERAL CONTRACTOR. GENERAL AND MAJOR SUBCONTRACTORS SHALL PROVIDE TO OWNER A MANUAL OF ALL REQUIRED MAINTENANCE INSTRUCTIONS FOR THIS PRODUCT OR EQUIPMENT ALONG WITH THE SUPPLIER OR SUBCONTRACTOR NAME, ETC. THE RECORD DRAWINGS AND MAINTENANCE MANUALS ARE REQUIRED PRIOR TO FINAL PAYMENT TO THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS.

CHANGES IN WORK - NOTE TO ALL CONTRACTORS:
CONTRACTOR SHALL BEAR ALL RESPONSIBILITY FOR MODIFICATIONS REQUIRED IN ARCHITECTURAL, STRUCTURAL, ELECTRICAL, OR PLUMBING SYSTEMS DUE TO SUBSTITUTION OF EQUIPMENT.

NOTE TO ALL CONTRACTORS:
A WORD ABOUT BUILDING GOD'S WAY AND HOW THE CONSTRUCTION IS BEING COMPLETED:
THE BGW PROGRAM IS FAR DIFFERENT THAN ANY OTHER PROCESS FOR CONSTRUCTING BUILDINGS. CHURCHES AND CHRISTIAN SCHOOLS ARE THE FOUNDATION AND FABRIC OF OUR COMMUNITIES AND WE MUST DO EVERYTHING POSSIBLE TO "STRETCH" THE DOLLARS GOD HAS GIFTED TO US IN ORDER TO BE THE BEST STEWARDS POSSIBLE OF THE MONEY THAT IS GIVEN OR BORROWED FOR THE PURPOSE OF CONSTRUCTION OF THIS PROJECT.

THIS PROJECT IS BEING COMPLETED WITH DONATED FUNDS AND GIFT IN KIND FROM THE CONSTRUCTION COMMUNITY. NATIONAL SUPPLIERS ARE HELPING ON THIS MATTER BY REDUCING THEIR COSTS SIGNIFICANTLY ON MANY OF THE MATERIALS. THESE MATERIALS WILL BE SOLD DIRECTLY TO THE OWNER AND ARE SHOWN IN THIS SET OF DRAWINGS AS SUPPLIED BY OWNER OR SUPPLIED BY BOW SUPPLY. MANY FIRMS IN THE CONSTRUCTION INDUSTRY ARE HELPING WITH THIS PROJECT BY REDUCING THEIR FEES SUBSTANTIALLY. ALSO WE ALL WORK TOGETHER, WE ARE GIVING THIS PROJECT THE OPPORTUNITY TO CONSTRUCT THIS BUILDING WITHIN AVAILABLE FUNDS.

AS CONSTRUCTION IS UNDERWAY IT IS THE INTENT OF THE MINISTRY TO BE A STRONG WITNESS FOR CHRIST ON THE JOB SITE WITH MANY PROGRAMS DURING THE CONSTRUCTION TIME FRAME THAT IMPACT THOSE THAT ARE PARTICIPATING IN THIS PROJECT. IT IS THE DESIRE OF ALL INVOLVED TO HONOR GOD IN ALL DECISIONS THAT ARE MADE CONCERNING THIS PROJECT.

ABBREVIATIONS

A.R.F.	ABOVE RAISED FLOOR	MAX	MAXIMUM
B.O.	BOTTOM OF BEAM	MDR	MAIN DISTRIBUTION PANEL
B.O.B.	BOTTOM OF BEAM	MFR	MANUFACTURER
MIN	MINIMUM	N.T.S.	NOT TO SCALE
CL	CENTERLINE	O	OVER
COL	COLUMN	O.C.	ON CENTER
EL	ELEVATION	REF	REFERENCE
E.S.	EDGE OF STUD	SIM	SIMILAR
E.W.C.	ELECTRIC WATER COOLER	SL	SLAB LINE
F.F.	FINISHED FLOOR	T.O.	TOP OF
F.F. EL	FINISHED FLOOR ELEVATION	T.O.B.	TOP OF BEAM
F.H.G.B.	FULL HEIGHT GYP BOARD	T.O.F.F.	TOP OF FINISHED FLOOR
F.R.P.	FIRE RESISTANT PANEL	T.O.S.	TOP OF SLAB
GA	GAUGE	T.S.	TUBE STEEL
G.C.	GENERAL CONTRACTOR	TYP	TYPICAL
GYP	GYPSON BOARD	VERT	VERTICAL
HORIZ	HORIZONTAL	W.C.	WATER CLOSET
INSUL	INSULATION	W	WITH
MBM	METAL BUILDING MANUFACTURE	W/O	WITHOUT

SYMBOL SCHEDULE

1	Detail Title	DETAIL LABEL	1A1	WALL TYPE
2	AS02	DETAIL ID	101A	DOOR ID
3	AS03	SECTION ID W/OUT LINE	101	WINDOW TYPE
4	AS04	ELEVATION ID	101	ROOM ID
5	AS05	GRID ID	101	ADDENDUM/REVISION ID
6	AS06	TRUE & PROJECT NORTH ARROWS	101	KEYED NOTE
7	AS07		101	MATCH LINE

ARCHITECTURAL

A101	ARCHITECTURAL SITE PLAN
A102	CODE REVIEW PLANS
A103	EXISTING FLOOR DEMO PLANS
A104	REMODEL FLOOR PLANS
A105	ENLARGED FLOORS, ELEVATIONS, SECTIONS

FOUNDATION STRUCTURAL

S1	FDN/FRAMING PLAN
S2	DETAILS

ELECTRICAL, MECHANICAL AND PLUMBING PLANS TO BE SUBMITTED AS DESIGN BUILD PACKAGES

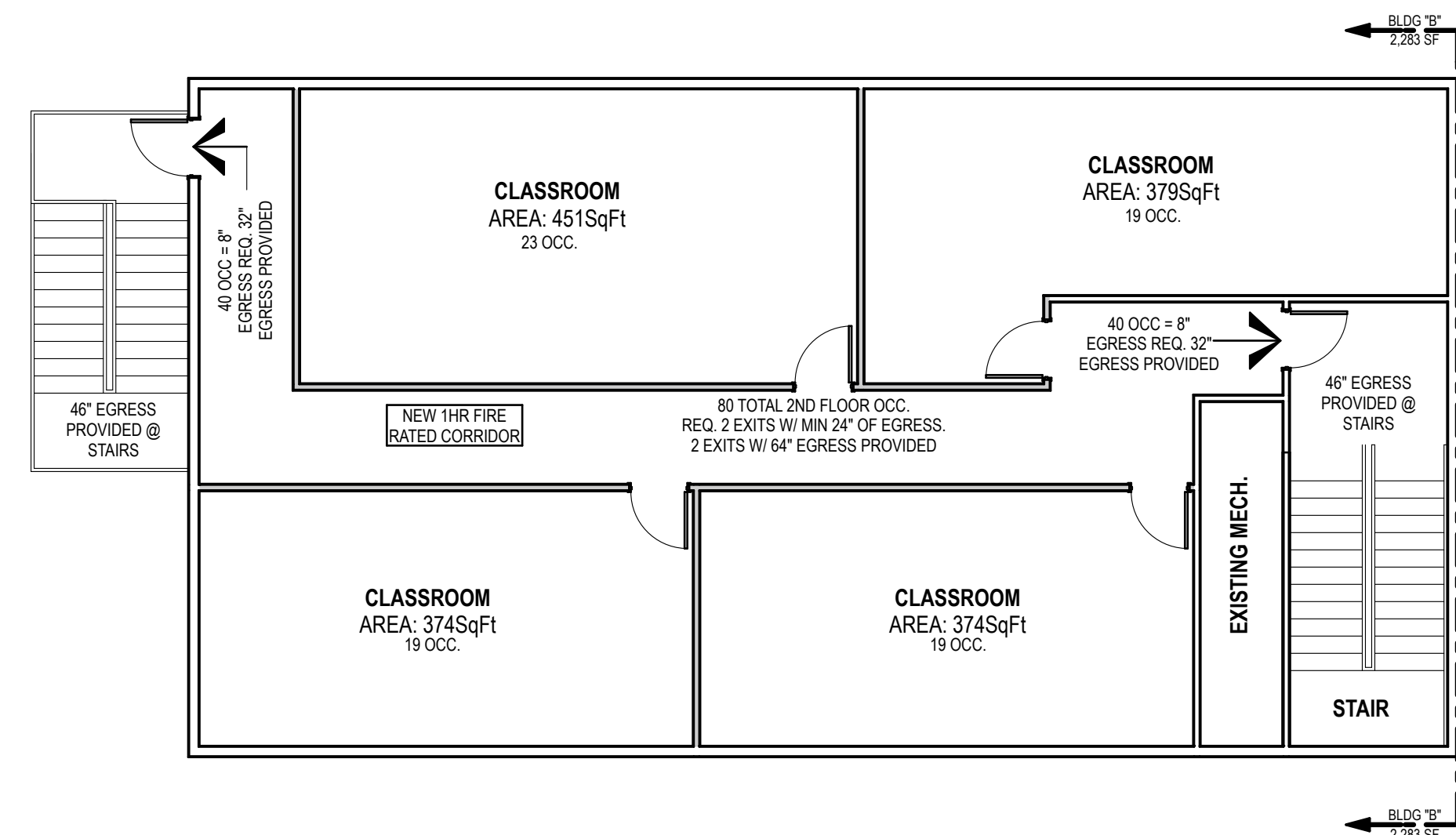
STATE OF UTAH
DANIEL W. COOK
128809
JUN 29 2012

PROJECT: AC343
ORIGINAL ISSUE: 6-30-11

ARCHITECTURAL SITE PLAN
SHEET NUMBER:
A101
DO NOT SCALE DRAWING

REV	DATE	DESCRIPTION

ALPINE CHURCH WEST HAVEN
4433 S 3100 W
ROY, UT 84067
PH: 801.552.7157 | WWW.BGWCONSTRUCTION.COM

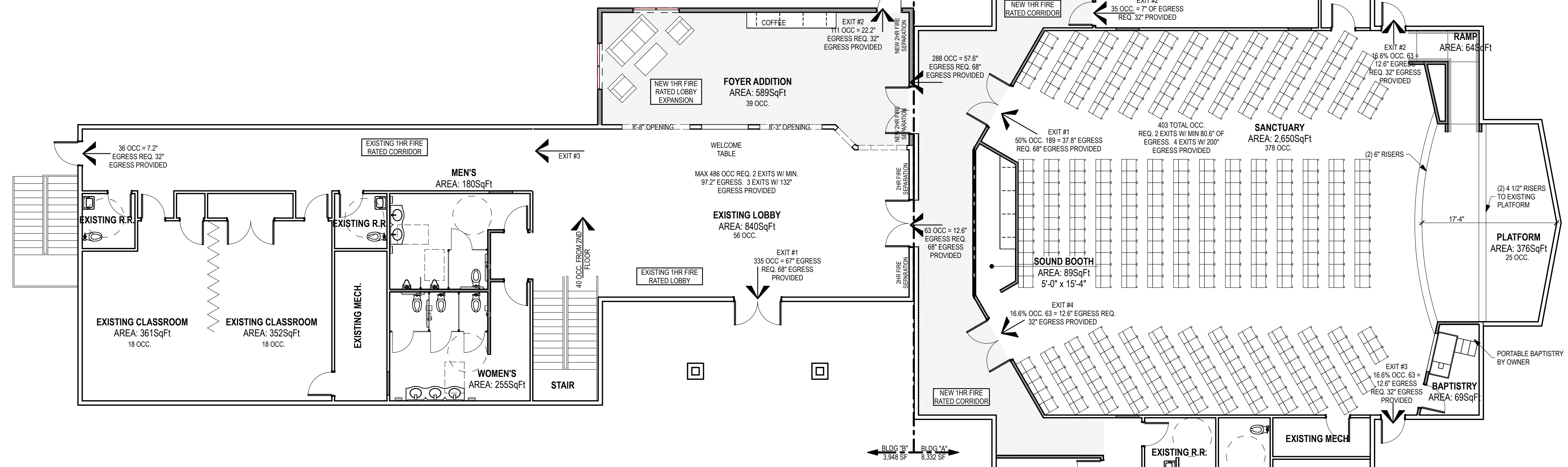


2 SECOND FLOOR CODE
SCALE: 1/8" = 1'-0"

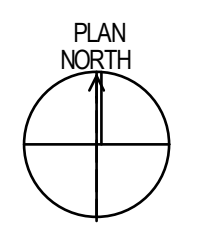
EXISTING BUILDING "A" CLASSIFICATION		
GROUP	2009 IBC	CONSTRUCTED
A3	A3	A3
CONSTRUCTION TYPE	VB	VB
ALLOWABLE STORIES	1	1
ALLOWABLE AREA	8,400 SF	8,332 SF

* ALLOWABLE AREA BASED ON ALLOWABLE AREA WITH FRONTAGE INCREASE.

EXISTING BUILDING "B" CLASSIFICATION		
GROUP	2009 IBC	CONSTRUCTED
A3	A3	A3
CONSTRUCTION TYPE	IIB	IIB
ALLOWABLE STORIES	2	2
ALLOWABLE AREA PER FLOOR	9,500 SF	3,948 SF 1ST 2,283 SF 2ND



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



WALL LEGEND	
(Thin line)	EXISTING WALL
(Thick line)	NEW WALL

BGM CONSTRUCTION
Building Buildings. Building Lives.

ALL WORK SHALL BE AS SHOWN OR AS NOTED ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INSURANCE COVERAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SURETY BONDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SCHEDULING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SCHEDULING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY SCHEDULING.

REV	DATE	DESCRIPTION

ALPINE CHURCH WEST HAVEN
ALPINE CHURCH WEST HAVEN
4433 S 3100 W
ROY, UT 84067

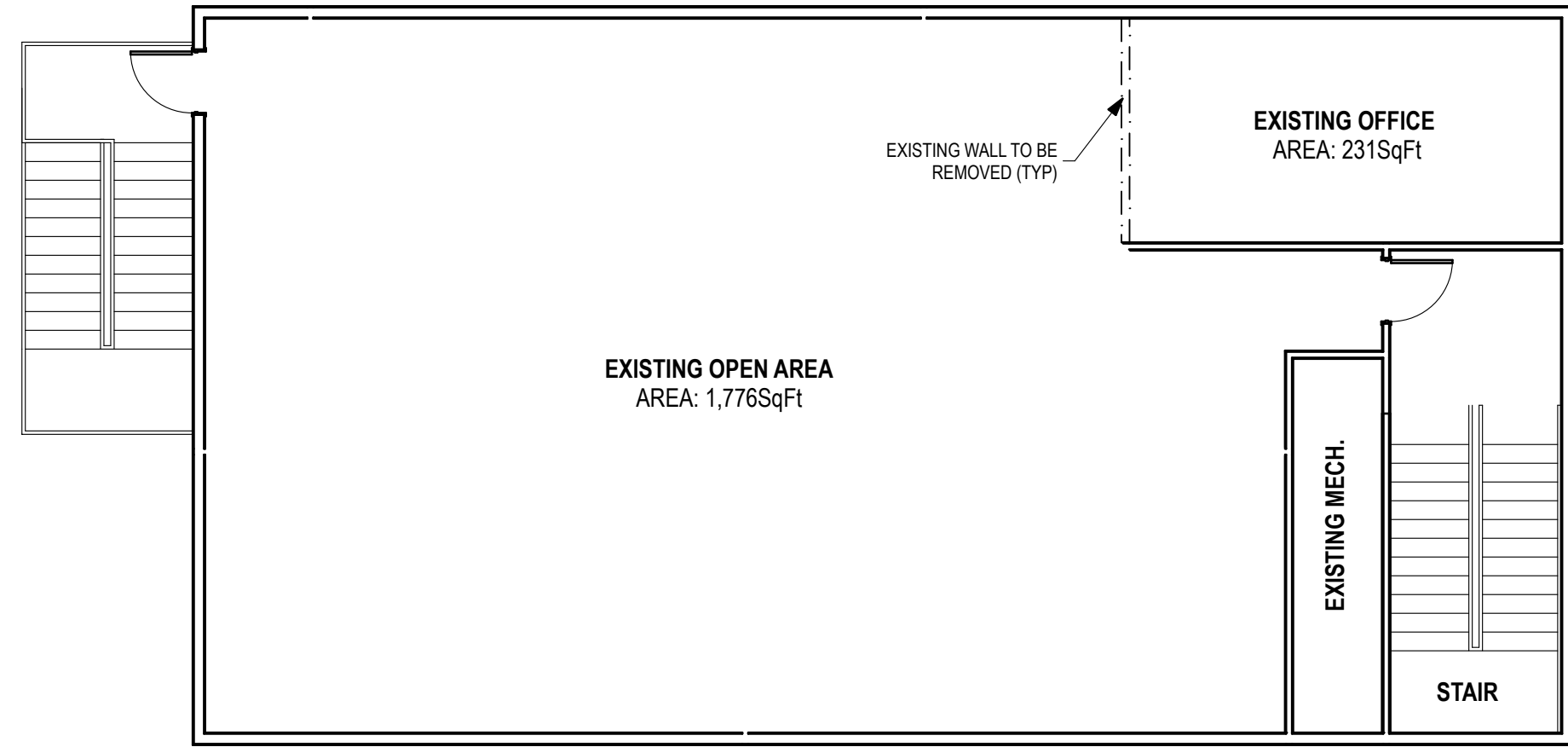
PROJECT: DANIEL W. COOK ARCHITECT 1 289 WASHINGTON BLVD - GREEN UT 84041 | PH: 801-552-1737 | WWW.DANIELWCOOK.COM

STATE OF UTAH
DANIEL W. COOK
126809
JUN 29 2012

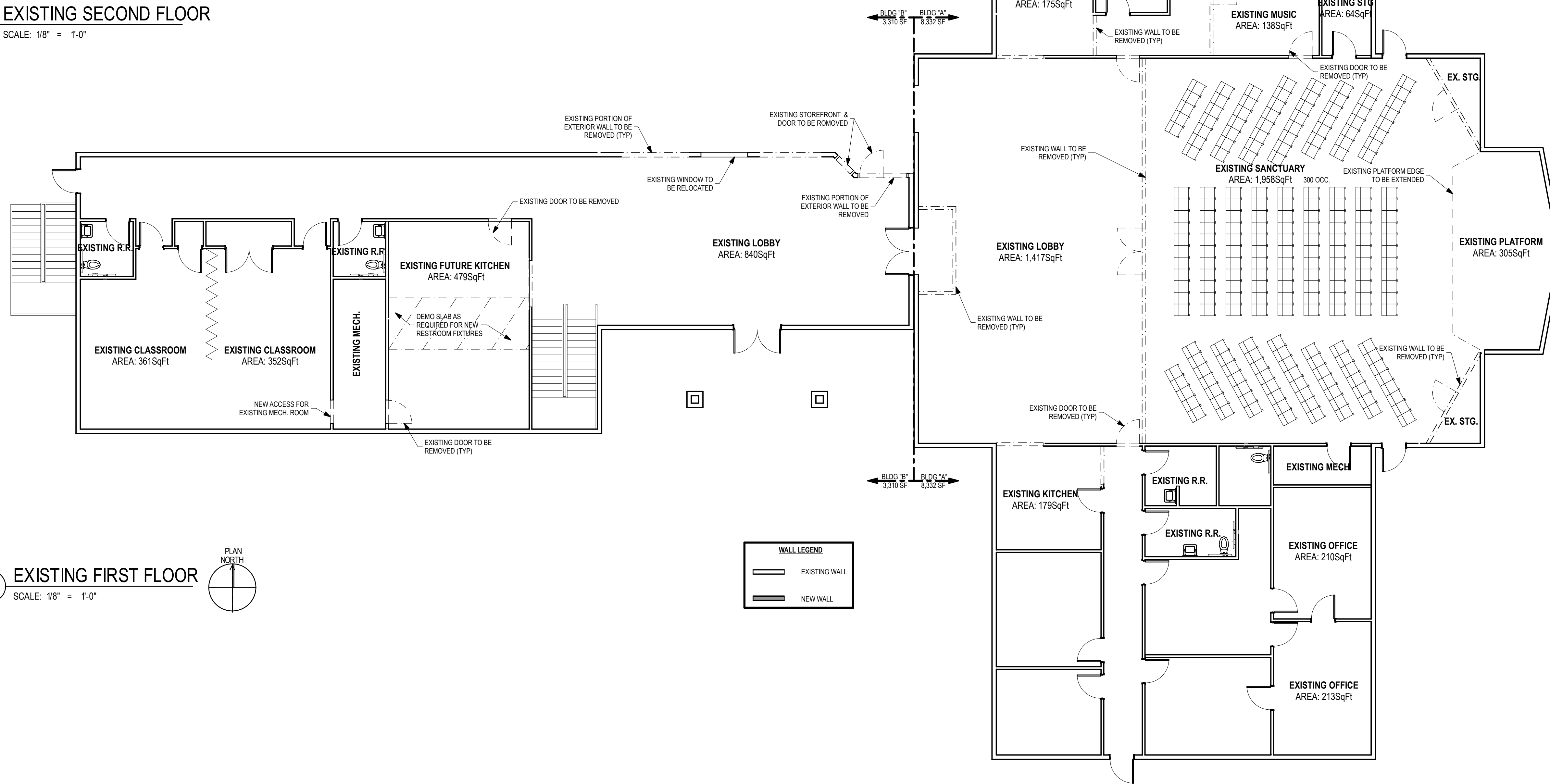
SHEET TITLE: **CODE REVIEW PLANS**
PROJECT: AC343 ORIGINAL ISSUE: 6-30-11

SHEET NUMBER: **A102**

DO NOT SCALE DRAWING



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



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

- DEMO GENERAL NOTES:**
- GC TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION. COORDINATE DISCREPANCIES WITH ARCHITECT.
 - GC TO COORDINATE SALVAGE OF EXISTING DOORS AND WINDOWS W. OWNER.
 - GC TO INSPECT EXISTING RATED CORRIDORS AND COORDINATE WITH ARCHITECT AFTER DEMO TO INSURE THAT EXISTING CORRIDOR RATINGS ARE MAINTAINED.
 - GC IS TO TAKE ALL NECESSARY PRECAUTIONS TO PROTECT FROM DAMAGE EXISTING BUILDING ELEMENTS THAT ARE NOT WITHIN THE DEMO SCOPE.

BGM CONSTRUCTION
Building Buildings. Building Lives.

THIS DRAWING IS CLASSIFIED AS CONFIDENTIAL AND IS THE PROPERTY OF BGM CONSTRUCTION. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. NO PART OF THIS DRAWING IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BGM CONSTRUCTION. BGM CONSTRUCTION SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. BGM CONSTRUCTION SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY, INCLUDING CONSEQUENTIAL DAMAGES, ARISING FROM THE USE OF THIS DRAWING.

REV	DATE	DESCRIPTION

ALPINE CHURCH
ALPINE CHURCH WEST HAVEN
4433 S 3100 W
ROY, UT 84067

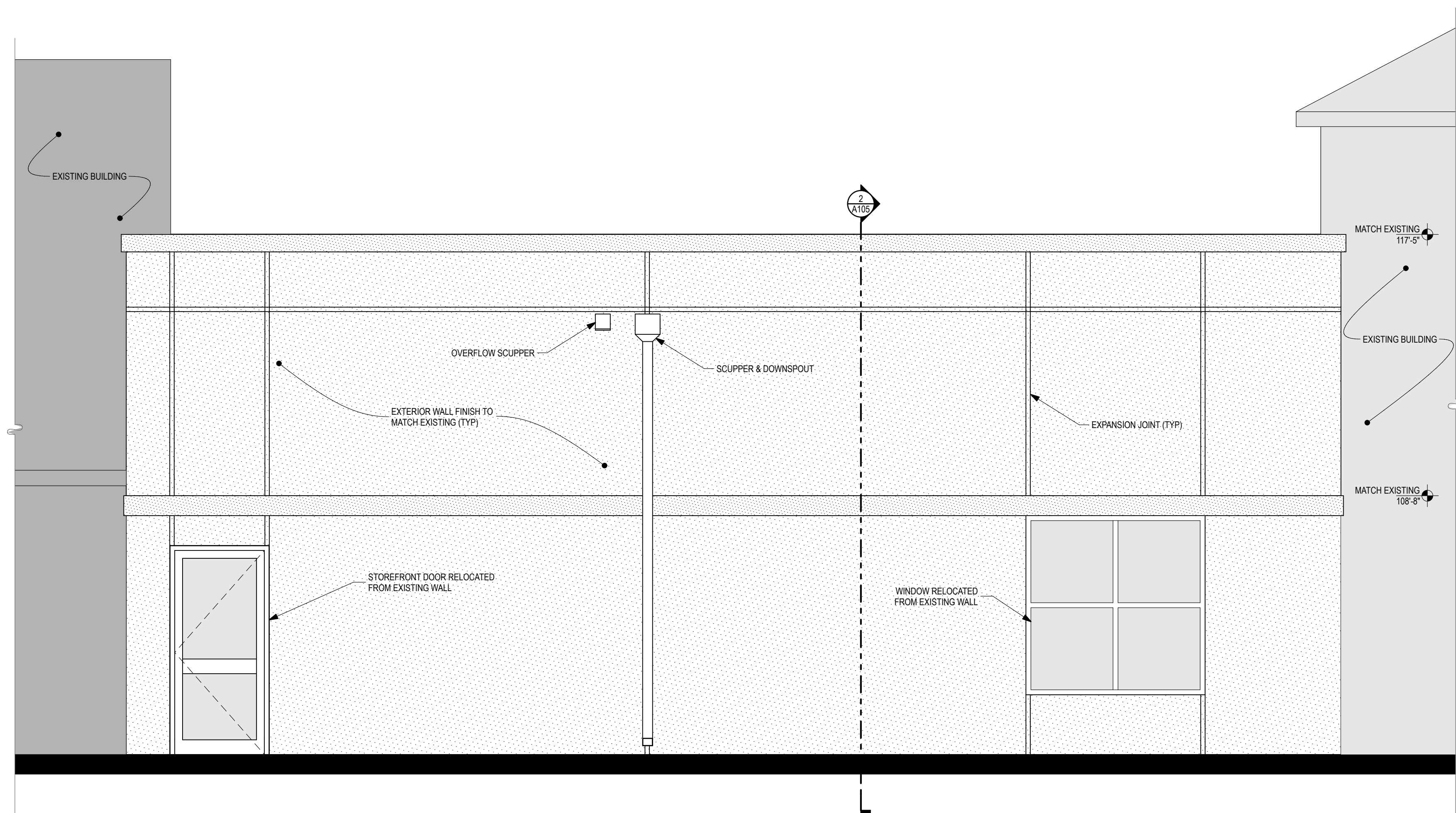
PROJECT: DANIEL COOK ARCHITECT | 289 WASHINGTON BLVD - OGDEN, UT 84401 | PH: 801-592-7137 | WWW.DANIELCOOKARCHITECT.COM

STATE OF UTAH
DANIEL W. COOK
128809
JUN 29 2012

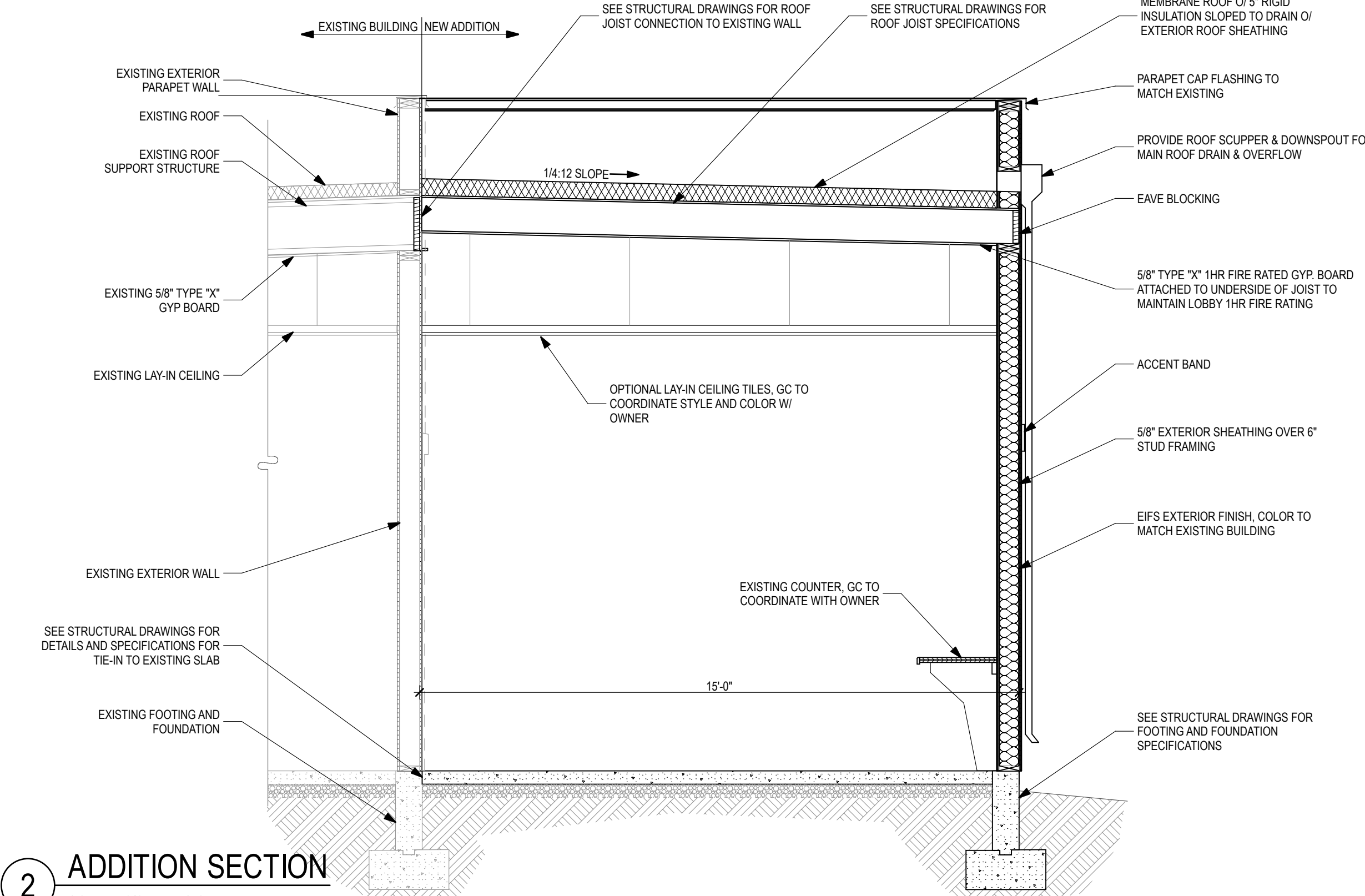
SHEET TITLE: **EXISTING FLOOR DEMO PLANS**
PROJECT: AC343 ORIGINAL ISSUE: 6-28-11

SHEET NUMBER: **A103**

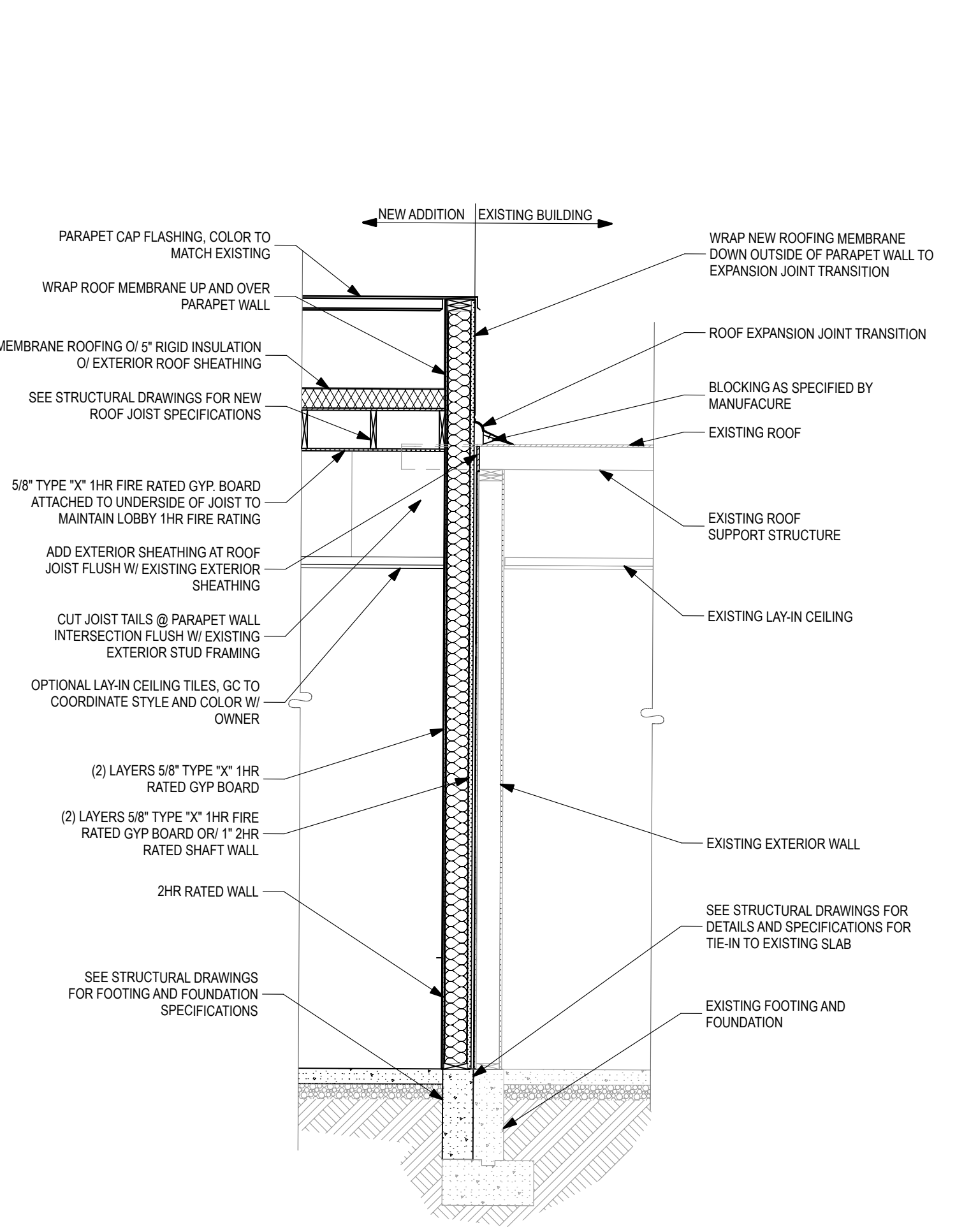
DO NOT SCALE DRAWING



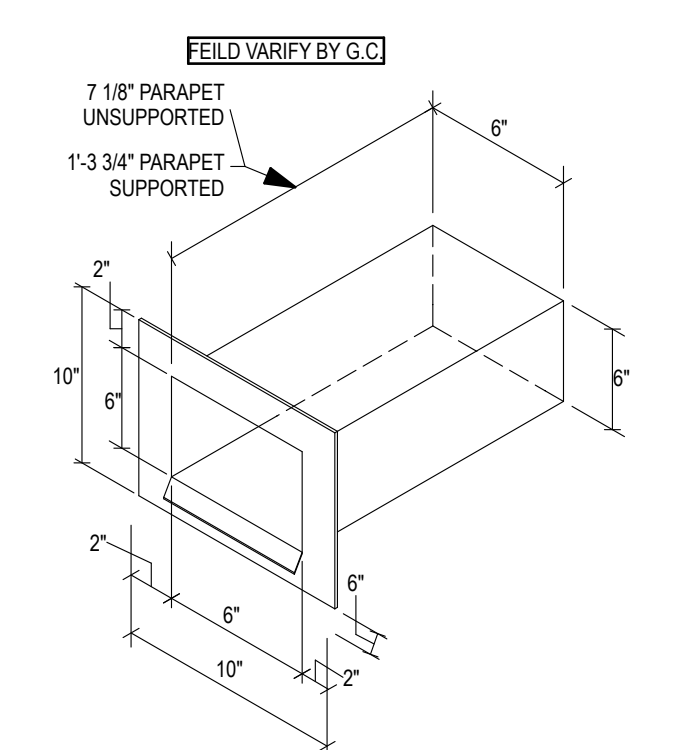
1 NORTH ELEVATION
SCALE: 3/8" = 1'-0"



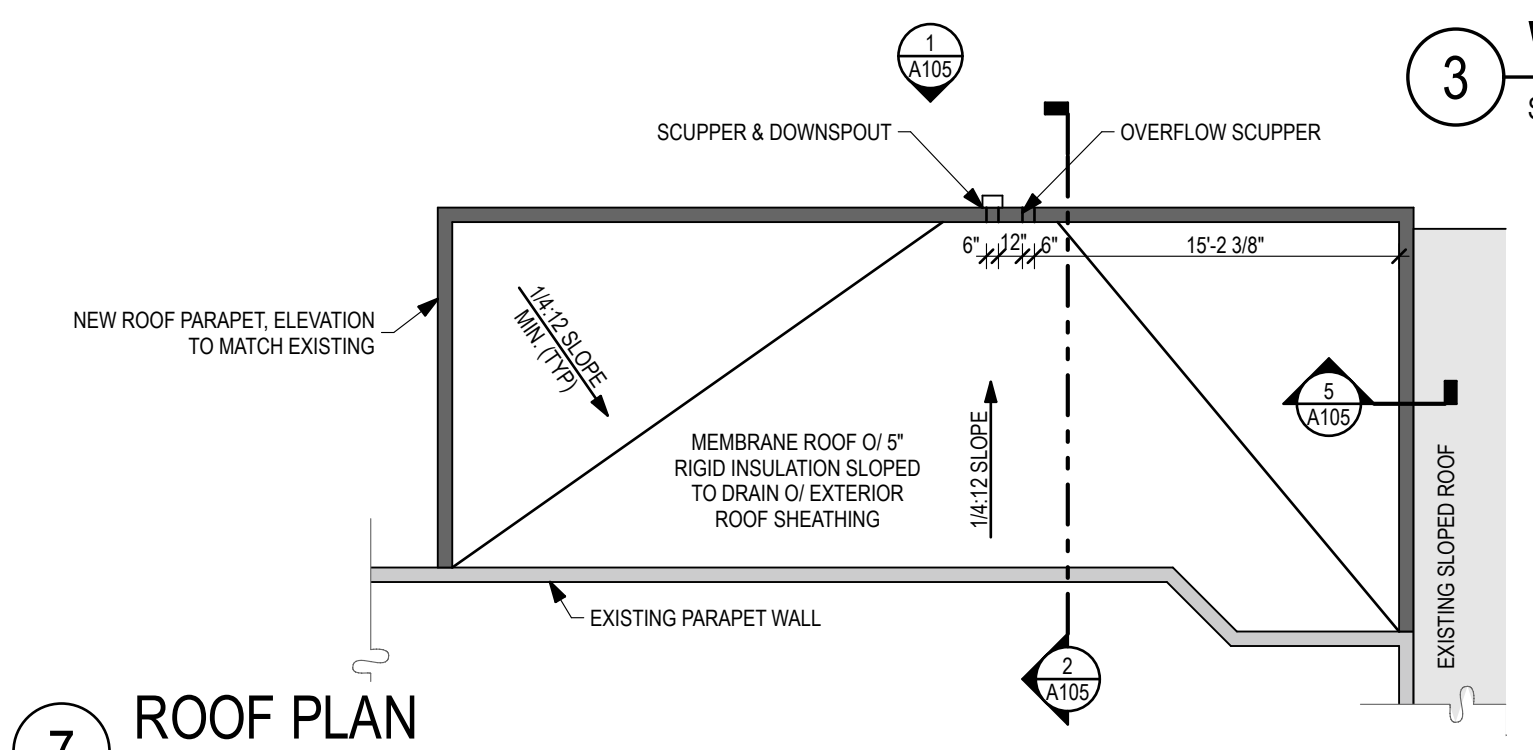
2 ADDITION SECTION
SCALE: 3/8" = 1'-0"



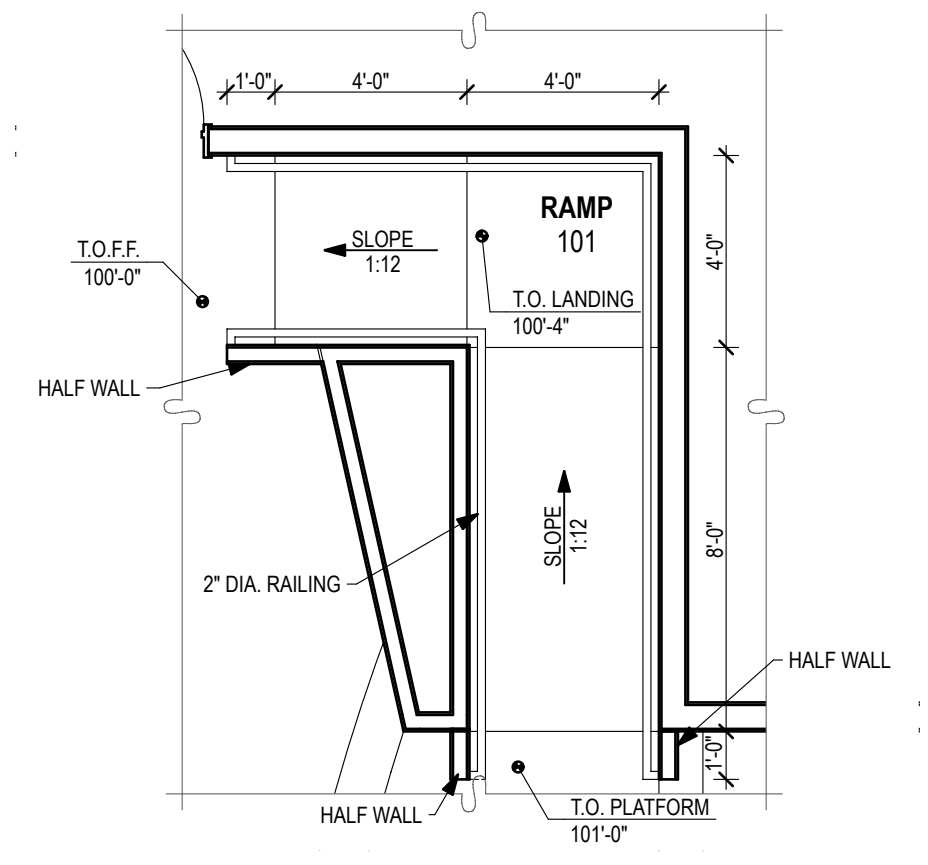
5 WALL SECTION
SCALE: 3/8" = 1'-0"



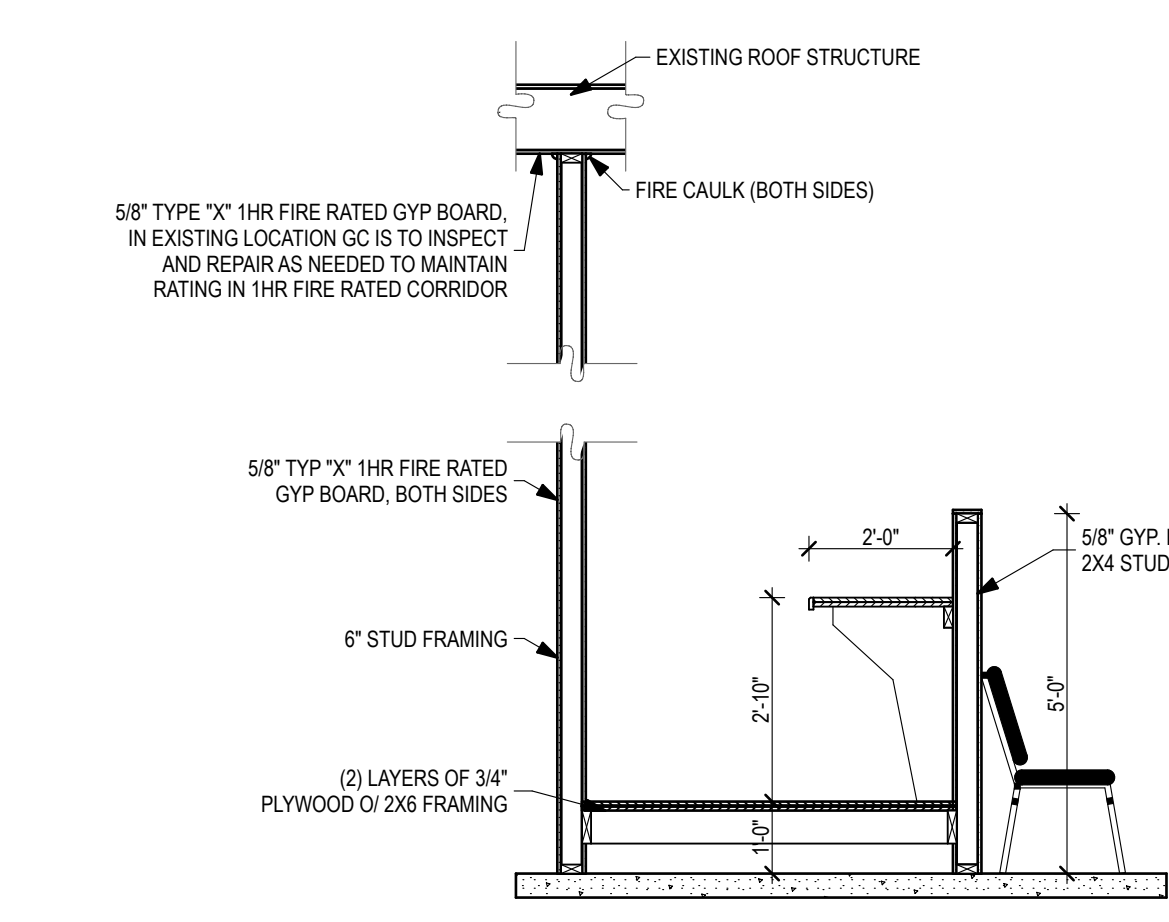
6 SCUPPER DETAIL
SCALE: 1 1/2" = 1'-0"



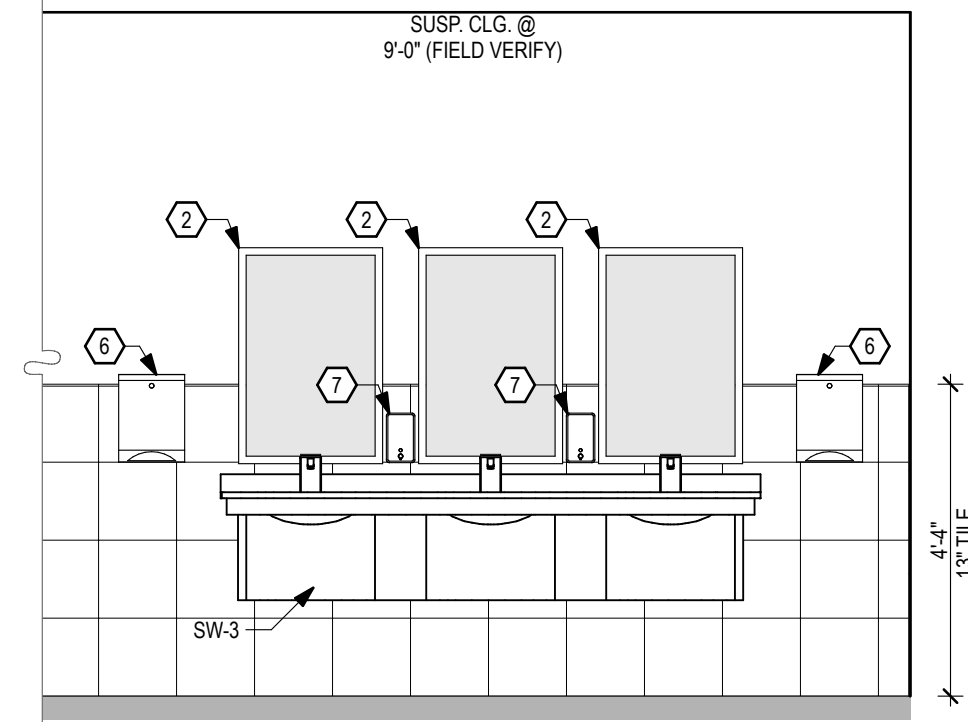
7 ROOF PLAN
SCALE: 1/8" = 1'-0"



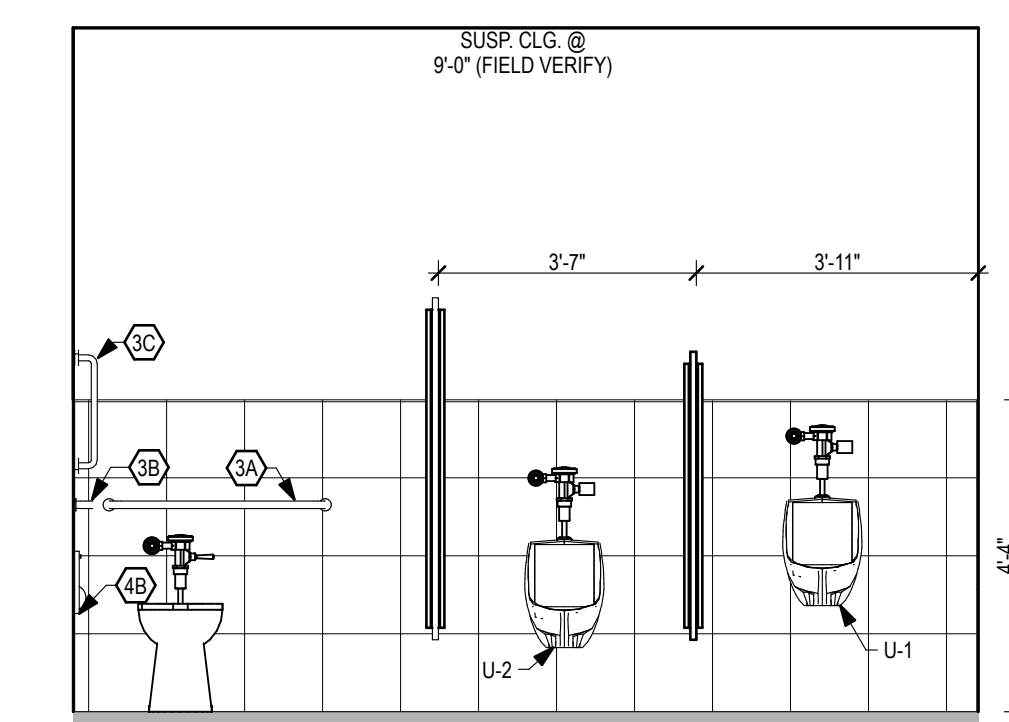
10 ENLARGED RAMP PLAN
SCALE: 1/4" = 1'-0"



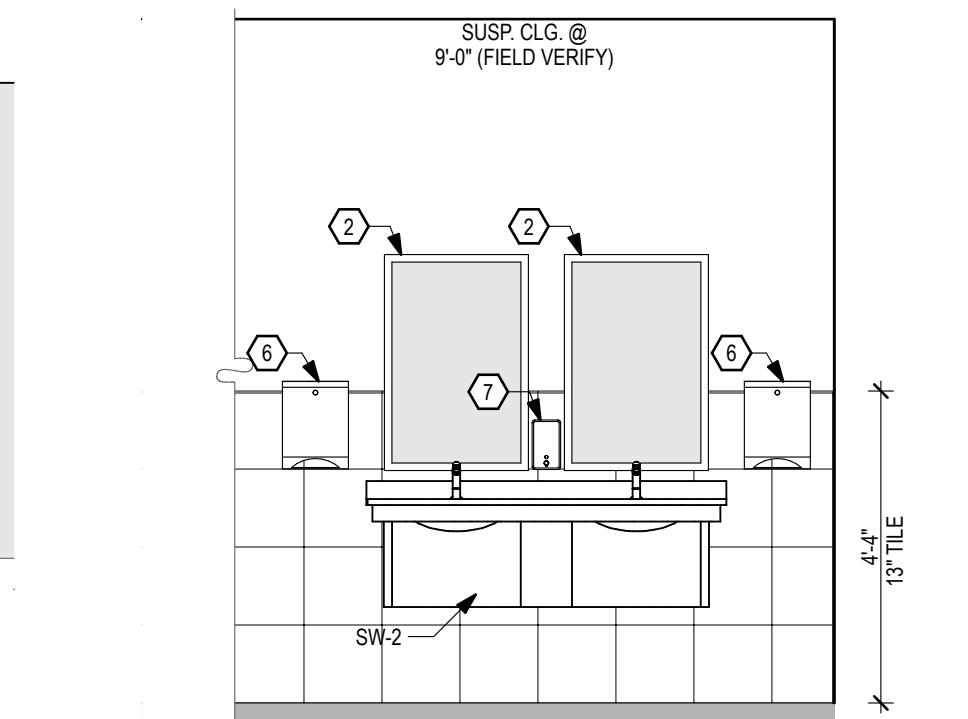
11 SANCTUARY WALL
SCALE: 3/8" = 1'-0"



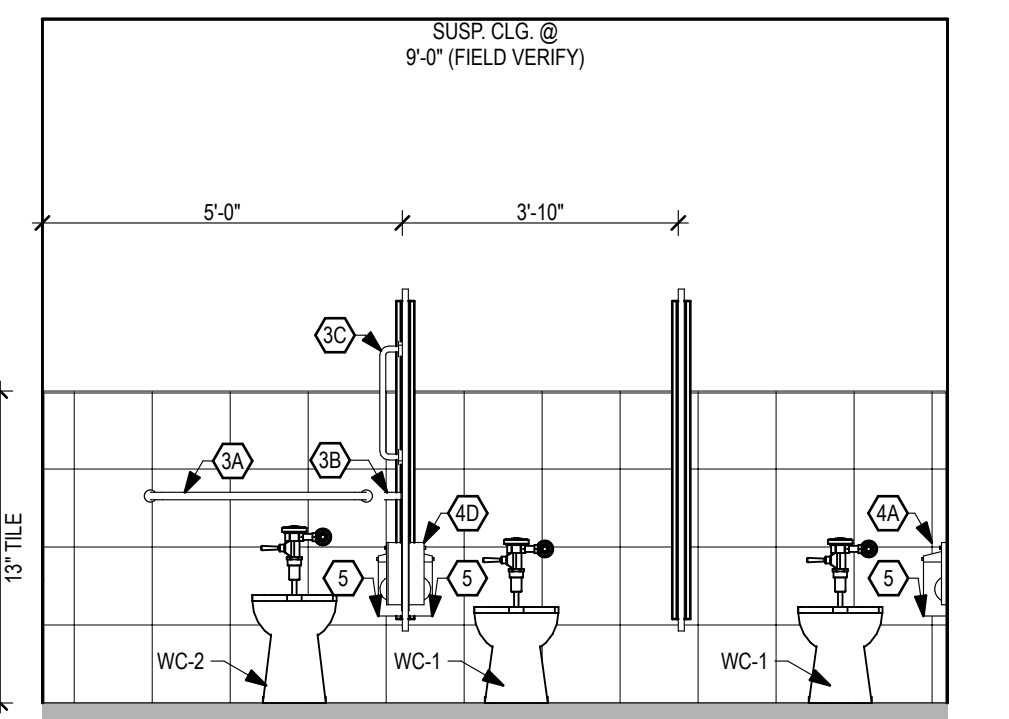
3 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"



4 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



8 MEN'S RESTROOM
SCALE: 3/8" = 1'-0"



9 WOMEN'S RESTROOM
SCALE: 3/8" = 1'-0"

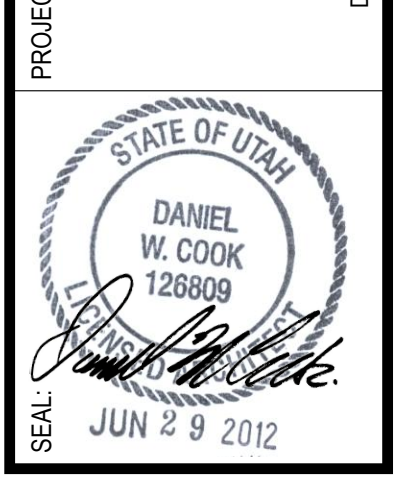
BGW SUPPLIED FIXTURES		BGW LEGEND	
1	HAND / HAIR DRYER (MODEL # 2902-2873)	WC-1	STANDARD FLUSH VALVE WATER CLOSET
2	MIRROR, 24"x36" (MODEL # 781-2436)	WC-2	ADA FLUSH VALVE WATER CLOSET
3	GRAB BAR, 24" (MODEL # 8120-001240)	U-1	STANDARD URINAL
3A	GRAB BAR, 36" (MODEL # 8120-001360)	U-2	ADA URINAL
3B	GRAB BAR, 42" (MODEL # 8120-001420)	SW-2	INTERSAN SOLIDWAVE - DUAL STATION
3C	VERTICAL GRAB BAR, 18" (MODEL # 8120-001180)	SW-3	INTERSAN SOLIDWAVE - TRI-STATION
4	TOILET TISSUE DISPENSER (MODEL # 505)	DF-1	WATER COOLER
4A	TOILET TISSUE DISPENSER (MODEL # 522)	DF-2	WATER COOLER (B-LEVEL, ADA)
4B	TOILET TISSUE DISPENSER (MODEL # 5402)	EWC	ELECTRIC WATER COOLER
5	NAPKIN DISPOSAL (MODEL # 4781-15)	FD	FLOOR DRAIN
6	PAPER TOWEL DISPENSER (MODEL # 250-15)	WH	WATER HEATER
7	SOAP DISPENSER (MODEL # 6563)		SEE PLUMBING SCHEDULE FOR DETAILS
8	* WASTE RECEPTACLE (MODEL # 377-37)		
9	BABY CHANGING STATION (MODEL # KB200 OR KB101)		

* SUPPLY ONE WASTE RECEPTACLE FOR SINGLE FIXTURE RESTROOMS. SUPPLY TWO WASTE RECEPTACLE FOR RESTROOM WITH MORE THAN ONE FIXTURE

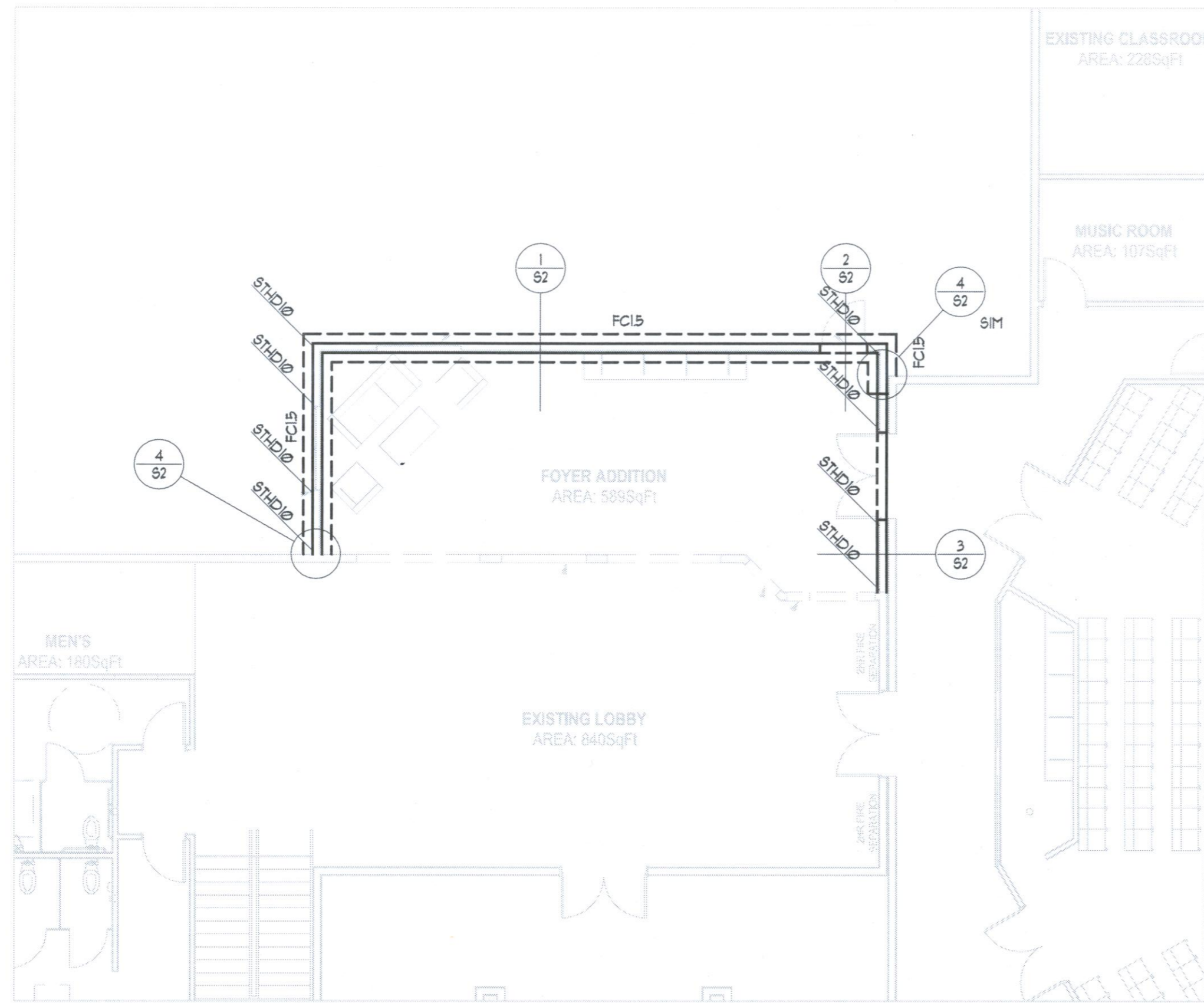


REV	DATE	DESCRIPTION

ALPINE CHURCH WEST HAVEN
4433 S 3100 W
ROY, UT 84067



ENLARGED PLANS, ELEVATIONS, SECTIONS
SHEET NUMBER: **A105**
PROJECT: AC343
ORIGINAL ISSUE: 6-30-11
DO NOT SCALE DRAWING



FOOTING AND FOUNDATION PLAN

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

GENERAL CONCRETE NOTES:

1. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE 2009 IBC, ACI 318, AND LOCAL ORDINANCES.
2. CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PRIOR TO PLACING CONCRETE. PROVIDE SLEEVES, BLOCK OUTS, ETC., AS REQUIRED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER PLACEMENT OF ALL ANCHOR BOLTS, SEISMIC ANCHORS OR STRAPS, ETC.. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

CONCRETE MATERIAL

1. REQUIRED 28 DAY COMPRESSIVE STRENGTH OF CONCRETE:
 - A. FOOTINGS AND FOUNDATIONS: 3000 PSI
 - B. INTERIOR SLABS ON GRADE: 3000 PSI
 - C. WALLS: 4000 PSI
 - D. SITE CONCRETE: 4000 PSI
2. PROVIDE NORMAL WEIGHT AGGREGATES PER ASTM C-33.
3. PROVIDE TYPE I OR II CEMENT PER ASTM C-150 FOR ALL CONCRETE.
4. MAXIMUM WATER TO CEMENT RATIO IS EQUAL TO 0.45 FOR ALL CONCRETE.
5. MAXIMUM SLUMP OF CONCRETE IS EQUAL TO 4 INCHES PLUS OR MINUS 1 INCH.
6. PROVIDE AIR ENTRAINING AS RECOMMENDED BY ACI 318 AND ASTM C-260.
7. NO NOT ADD CALCIUM CHLORIDE TO CONCRETE MIX.

REINFORCEMENT

1. ALL REINFORCING STEEL SHALL BE GRADE 60 BARS PER ASTM A615. FIELD BENT DOUELS MAY BE GRADE 40 (REDUCE INDICATED SPACING BY 1/3).
2. REINFORCING STEEL SHALL BE PROPERLY TIED INTO PLACE PRIOR TO PLACING CONCRETE.
3. ALL SPLICES IN REINFORCING BARS SHALL LAP A MINIMUM OF 40 BAR DIAMETERS.
4. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THRU CONSTRUCTION AND CONTROL JOINTS.
5. DO NOT WELD REINFORCING BARS.
6. REINFORCEMENT SHALL HAVE THE FOLLOWING CLEAR COVER:
 - A. CAST-IN-PLACE CONCRETE:
 - I. CAST AGAINST PERMANENTLY EXPOSED TO EARTH 3"
 - II. FORMED CONCRETE EXPOSED TO EARTH/WEATHER:
 - a. 4" AND SMALLER BARS 1-1/2"
 - III. CONCRETE NOT EXPOSED EARTH/WEATHER:
 - a. SLABS, WALLS, JOISTS (1" AND SMALLER) 3/4"
 - b. BEAMS, COLUMNS, TIES, STRIPPERS 1-1/2"

GENERAL CONCRETE NOTES CONT.:

FOUNDATION WALLS

1. BRACE WALLS AS REQUIRED UNTIL FLOOR SLABS AND/OR FLOOR FRAMING ARE IN PLACE, AND UNTIL WALLS HAVE PROPERLY CURED.
2. CONSTRUCTION JOINTS (COLD JOINTS) IN WALLS SHALL BE WATERPROOFED TO PREVENT LEAKS.
3. PROVIDE CORNER BARS AT INTERSECTING WALL CORNERS USING THE SAME BAR SIZE AND SPACING AS THE HORIZONTAL WALL REINFORCING.
4. PROVIDE VERTICAL DOUELS INTO FOOTINGS AND FOUNDATIONS THAT MATCH THE SIZE AND SPACING OF THE VERTICAL REINFORCEMENT IN THE ABOVE MEMBER.

SLABS

1. RECOMMEND REINFORCING ALL SLABS W/ #4 @ 18" O.C. EACH WAY, OR WITH 6 x 6 - 2#W2 WELDED WIRE FABRIC (W.W.F). REINFORCEMENT SHALL BE PLACED 1-1/2" TO 2" BELOW THE TOP OF SLAB.
2. PROVIDE ISOLATION JOINTS AROUND COLUMNS/SPREAD FOOTINGS, AND CONTROL JOINTS AS REQUIRED (I.E. WHERE SLABS TRANSITION IN SIZE).
3. CONSTRUCTION OR CONTROL JOINTS IN SLABS ON GRADE SHALL NOT EXCEED SPACING OF 30 TIMES THE SLAB THICKNESS IN ANY DIRECTION, UNLESS NOTED OTHERWISE ON THE PLAN.

GENERAL WOOD FRAMING NOTES:

DIMENSIONAL LUMBER

1. DIMENSIONAL LUMBER USED AS STRUCTURAL FRAMING (I.e. JOISTS, RAFTERS, and HEADERS) SHALL BE DOUGLAS FIR-LARCH NO. 2 OR EQUAL.
2. DIMENSIONAL LUMBER USED FOR STUD WALLS SHALL BE STUD GRADE. SPACE STUDS AT 16" O.C. MINIMUM, WITH A DOUBLE TOP PLATE. SPLICES IN THE DOUBLE TOP PLATE SHALL ALTERNATE TOP AND BOTTOM.
3. IN NO CASE SHALL 2 x 4" BEARING WALLS SUPPORT MORE THAN TWO FLOORS OF FRAMING IN ADDITION TO ROOF AND CEILING.

ENGINEERED LUMBER

1. GLU-LAMINATED BEAMS FOR SIMPLE SPANS, CANTILEVERS AND CONTINUOUS SPANS SHALL BE 24F-V4 DFD/DF. DO NOT INSTALL GLU-LAMINATED BEAMS UPSIDE DOWN.
2. LAMINATED VENEER LUMBER AND THE LIKE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
3. I-JOISTS SHALL BE TJI OR EQUIVALENT, AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
4. ENGINEERED LUMBER, WITH THE EXCEPTION OF GLU-LAMINATED LUMBER, SHALL NOT BE USED IN EXTERIOR APPLICATIONS.
5. USE REDWOOD OR PRESSURE TREATED LUMBER FOR ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, OR EARTH (I.e. MUD SILL).

COLUMNS

1. ALL COLUMNS SHALL EXTEND DOWN THROUGH THE STRUCTURE TO THE FOUNDATION.
2. COLUMNS SHALL BE BRACED AT EACH FLOOR LEVEL.
3. POSTS SHALL BE DOUGLAS FIR-LARCH NO. 1 OR EQUAL.

ROOF AND WALL SHEATHING

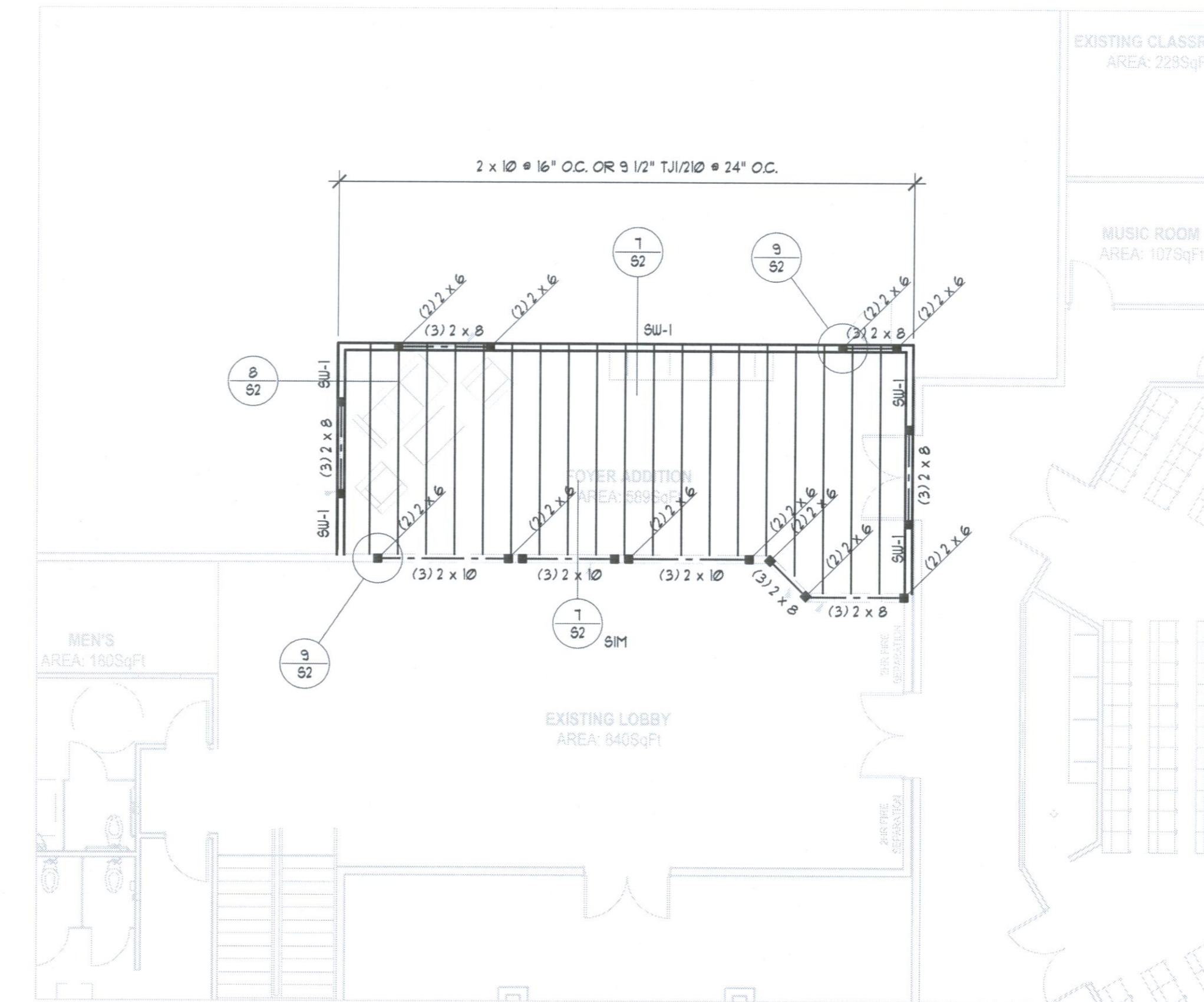
1. ALL ROOF SHEATHING SHALL BE 5/8" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 8d COMMON NAILS AT 6" O.C. PERIMETER, 6" O.C. PANEL EDGES AND AT 12" O.C. IN THE FIELD. PROVIDE 2 x 2 SHAPED BLOCKING AT RIDGES UNLESS A CONTINUOUS MEMBER EXISTS. PANEL EDGES ARE UNBLOCKED UNLESS NOTED OTHERWISE ON THE STRUCTURAL PLANS.
2. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" APA EXP. 1 RATED SHEATHING OR EQUAL WITH 8d COMMON NAILS AT 6" O.C. EDGES AND AT 12" O.C. IN THE FIELD - FLAT BLOCKED AT ALL PANEL EDGES, UNLESS NOTED OTHERWISE IN THE STRUCTURAL PLANS AND SHEAR WALL SCHEDULE.

SHEAR WALL SCHEDULE						
LABEL	SHEATHING	NAIL SIZE	EDGE NAIL	EDGE NAIL	PANE EDGE MEMBER	SILL BOLTING TO CONCRETE
SW-1	7/16" 24/16 S.R.	8d	6" O.C.	12" O.C.	2 x	5/8" 1 x 12" @ 32" O.C.

- NOTES:
1. SEE GENERAL NOTES.
 2. PLYWOOD, ORIENTED STRAND BOARD AND COMPOSITE BOARD (BUT NOT STRUCTURAL PARTICLE BOARD) ARE ACCEPTED AS EQUALS.
 3. ALL PANEL EDGES AT SHEAR WALLS SHALL BE BACKED WITH 2" NOMINAL FRAMING, EXCEPT WHERE INDICATED TO BE 3X ON SCHEDULE. 3X MATERIAL MAY BE REPLACED WITH 4X MATERIAL. MULTIPLE LAYERS OF 2X FRAMING SHALL NOT BE USED WHERE 3X FRAMING IS INDICATED.
 4. ALL ANCHOR BOLTS TO HAVE A 2"x2"x3/16" FLATE WASHER.
 5. ALL FRAMING SHALL BE DOUGLAS-FIR NO. 2.
 6. SHEAR WALL PANELS INDICATED ON SCHEDULE ARE TO BE SHEATHED FOR FULL HEIGHT OF WALL AND BLOCKED.
 7. SEE HOLD-DOWN SCHEDULE AND PLAN FOR LOCATION AND SIZE OF HOLD-DOWNS REQUIRED.

HOLD DOWN SCHEDULE				
SIZE	EDGE MEMBER	FOUNDATION ANCHOR	EDGE MEMBER ATTACHMENT	NOTES
8THD10	(2) STUDS	EMBEDDED	(2) 16d SINKER	

- NOTES:
1. ALL ANCHORS ARE SIMPSON STRONG-TIE.
 2. INSTALLATION OF ALL HOLD-DOWN ANCHORS AND STRAPS SHALL BE PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
 3. WHEN 3X MEMBER REQUIRED FOR PANEL EDGE IN SHEAR WALL SCHEDULE USE OF A 4X EDGE MEMBER IS PERMITTED.
 4. PROVIDE EDGE NAILING ALONG STUDS CONNECTED TO HOLD-DOWN ANCHORS AND STRAPS.



ROOF FRAMING PLAN

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

GENERAL WOOD FRAMING NOTES CONT.:

STRUCTURAL CONNECTIONS

1. WRITTEN PRIOR APPROVAL FROM THE ENGINEER IS REQUIRED FOR ANY DEVIATION FROM THE CONSTRUCTION DOCUMENTS. THE ENGINEER IS NOT RESPONSIBLE FOR CONNECTIONS NOT APPROVED PRIOR TO CONSTRUCTION OR INSTALLATION.
2. PROVIDE SIMPSON CONNECTIONS OR EQUAL IF CONNECTION DETAILS ARE NOT PROVIDED IN THE CONSTRUCTION DOCUMENTS. REQUEST ADDITIONAL ASSISTANCE FROM THE ENGINEER IF NON-STANDARD CONNECTIONS ARE REQUIRED.
3. ALL STRUCTURAL MEMBERS SHALL HAVE 1 3/4" BEARING (MINIMUM).
4. SEE SCHEDULES IN THE IBC FOR ADDITIONAL NAILING REQUIREMENTS.

BLOCKING, BRIDGING, MISCELLANEOUS.

1. ALL JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO THE TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS (UNO.). EACH RAFTER AND/OR ROOF TRUSS SHALL BE ANCHORED WITH SIMPSON HI ANCHORS AT EACH END.
2. I-JOIST USED AS JOISTS AND RAFTERS SHALL HAVE FULL-HEIGHT SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT EACH BLOCK TO THE TOP OF EXTERIOR WALLS WITH SIMPSON A34 CLIPS (UNO.). EVERY OTHER I-JOIST RAFTER SHALL BE ANCHORED WITH A SIMPSON H3 CLIP.
3. STANDARD PENETRATIONS THROUGH STRUCTURAL MEMBERS FOR MECHANICAL, PLUMBING, ELECTRICAL SYSTEMS, ETC. SHALL BE PROVIDED ON THE CENTER LINE OF THE MEMBER'S DEPTH AND WITHIN THE MIDDLE ONE-THIRD OF THE SPAN. LARGER THAN STANDARD PENETRATIONS ARE NOT PERMITTED WITHOUT PRIOR APPROVAL.
4. BIRD'S MOUTHS AND/OR NOTCHING OF STRUCTURAL MEMBERS NOT SPECIFICALLY DETAILED ON THE STRUCTURAL PLANS IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL.

FABRICATED FRAMING

1. FABRICATED (PRE-BUILT) TRUSSES MAY BE USED FOR ROOF AND/OR FLOOR FRAMING. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. TRUSS MANUFACTURERS SHALL DESIGN TRUSSES FOR ALL LOADS PER THE IBC, INCLUDING UNBALANCED SNOW LOADS, SNOW DRIFTING, SNOW BUILD UP IN VALLEYS AND ON EAVES, ETC. TRUSS MANUFACTURER SHALL RECOMMEND AND PROVIDE ALL REQUIRED TRUSS BRACINGS, BLOCKING, TRUSS TO TRUSS AND TRUSS TO BEAM CONNECTIONS, ETC.
2. SHOP DRAWINGS FOR ALL FABRICATED FRAMING SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

GENERAL STRUCTURAL NOTES:

1. THE GENERAL CONTRACTOR OR PROJECT MANAGER SHALL COORDINATE THE WORK PERFORMED BY ALL TRADES, AND IS ULTIMATELY RESPONSIBLE FOR COMPLIANCE WITH ALL NOTED REQUIREMENTS.
2. TYPICAL DETAILS AND SCHEDULES SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND / OR ARCHITECT OF ANY DISCREPANCIES, OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND / OR THE SPECIFICATIONS BEFORE PROCEEDING WITH THE FABRICATION OR CONSTRUCTION OF ANY EFFECTED ELEMENTS. IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN AND BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. ANY WORK DONE BY THE CONTRACTOR BEFORE RECEIVING THE ENGINEER'S WRITTEN APPROVAL WILL BE AT THE CONTRACTOR'S RISK.
4. FAILURE TO FOLLOW PLANS AND CONSTRUCTION DOCUMENTS CONSTITUTES CHANGE IN PROJECT SCOPE. THE ENGINEER RESERVES THE RIGHT TO REQUEST REPLACEMENT OF ANY PORTION OF THE STRUCTURE DEVIATING FROM THE PLANS WHERE WRITTEN APPROVAL HAS NOT BEEN OBTAINED.
5. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS, SLOPES AND ELEVATIONS, ETC., AT THE JOB SITE AND SHALL COORDINATE THESE WITH THE ARCHITECT AND ALL TRADES. CONSTRUCTION DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
6. DURING AND AFTER CONSTRUCTION, THE LOADS IMPOSED ON THE STRUCTURE BY THE CONTRACTOR AND OWNER SHALL BE WITHIN THE LIMITS OF THE OCCUPANCY DESIGN LOADS.
7. VISITS TO THE JOB SITE BY REPRESENTATIVES OF THE ENGINEER DO NOT CONSTITUTE APPROVAL OR SPECIAL INSPECTION OF THE WORK PERFORMED BY THE CONTRACTOR OR HIS SUBCONTRACTORS.

DESIGN CODE:

2009 INTERNATIONAL BUILDING CODE (IBC)

DESIGN CRITERIA:

- FLAT ROOF SNOW LOAD P_f + 30 PSF
 SNOW EXPOSURE FACTOR, C_e + 1.0
 SNOW IMPORTANCE FACTOR, I_s + 1.0
- WIND SPEED + 90 MPH
 WIND IMPORTANCE FACTOR, I_w + 1.0
 WIND EXPOSURE + B
- SEISMIC USE GROUP + 1
 SDS, SD1 + 0.199 g, 0.481 g
 SOIL SITE CLASS + D
 ANALYSIS PROCEDURE + EQUIVALENT LATERAL FORCE

DESIGN LOADS:

- ROOF SNOW LOAD + 30 PSF
 UNBALANCED ROOF SNOW LOAD + 11 PSF
 ROOF DEAD LOAD + 15 PSF

FOOTING SCHEDULE												
	WIDTH	LENGTH	DEPTH	NO.	SIZE	LENGTH	SPACING	NO.	SIZE	LENGTH	SPACING	REMARKS
FC15	1'-6"	CONT.	1'-0"	2				2				EQ.

- NOTES:
1. ASSUMED ALLOWABLE SOIL BEARING PRESSURE = 1500 psf.
 2. MINIMUM CONCRETE COMPRESSIVE STRENGTH $f_c = 3000$
 3. ALL CONCRETE WORK MUST MEET THE REQUIREMENTS OF THE 2009 IBC, ACI 318 AND LOCAL ORDINANCES.
 4. ALL BARS MUST BE 3" CLEAR FROM GRADE.

CRAIG LYM
 STRUCTURAL ENGINEERING
 665 BIRCH TREE LANE
 KAYSVILLE, UT 84027
 801-533-6565

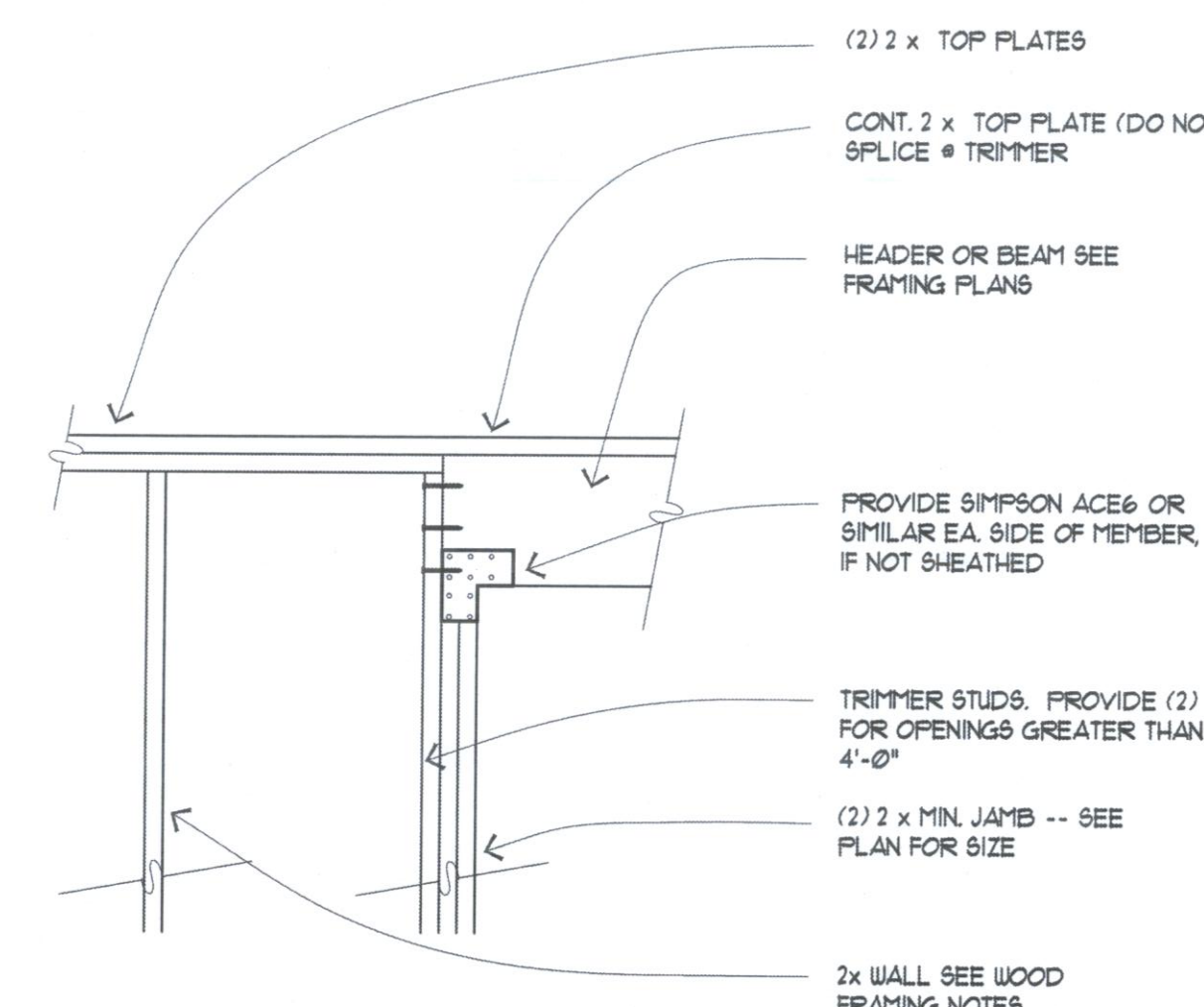
REV	DATE	DESCRIPTION
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ALPINE CHURCH
ALPINE CHURCH WEST HAVEN
 4433 S. 3100 W.
 ROY, UT 84067
 DANIEL COOK ARCHITECT | 3908 WASHINGTON BLVD - COGEN, UT 84001 | PH: 801-552-7137 | WWW.BGNSERVICES.COM

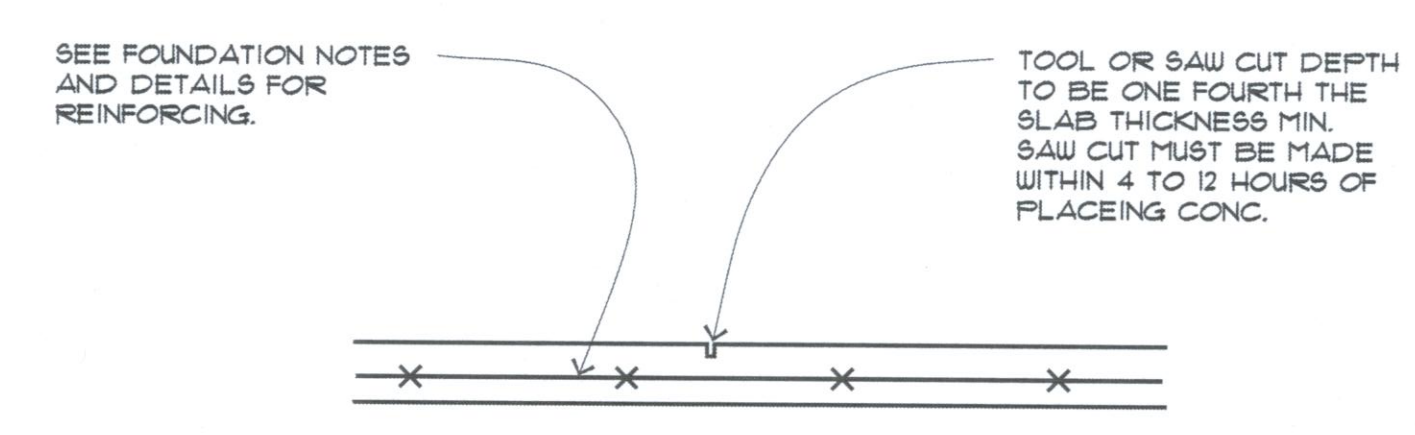
PROJECT: ALPINE CHURCH WEST HAVEN
 SHEET: FDN / FRAMING PLAN

NO. 293261
 CRAIG R. LYM
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF UTAH
 EXPIRES 12/31/2011

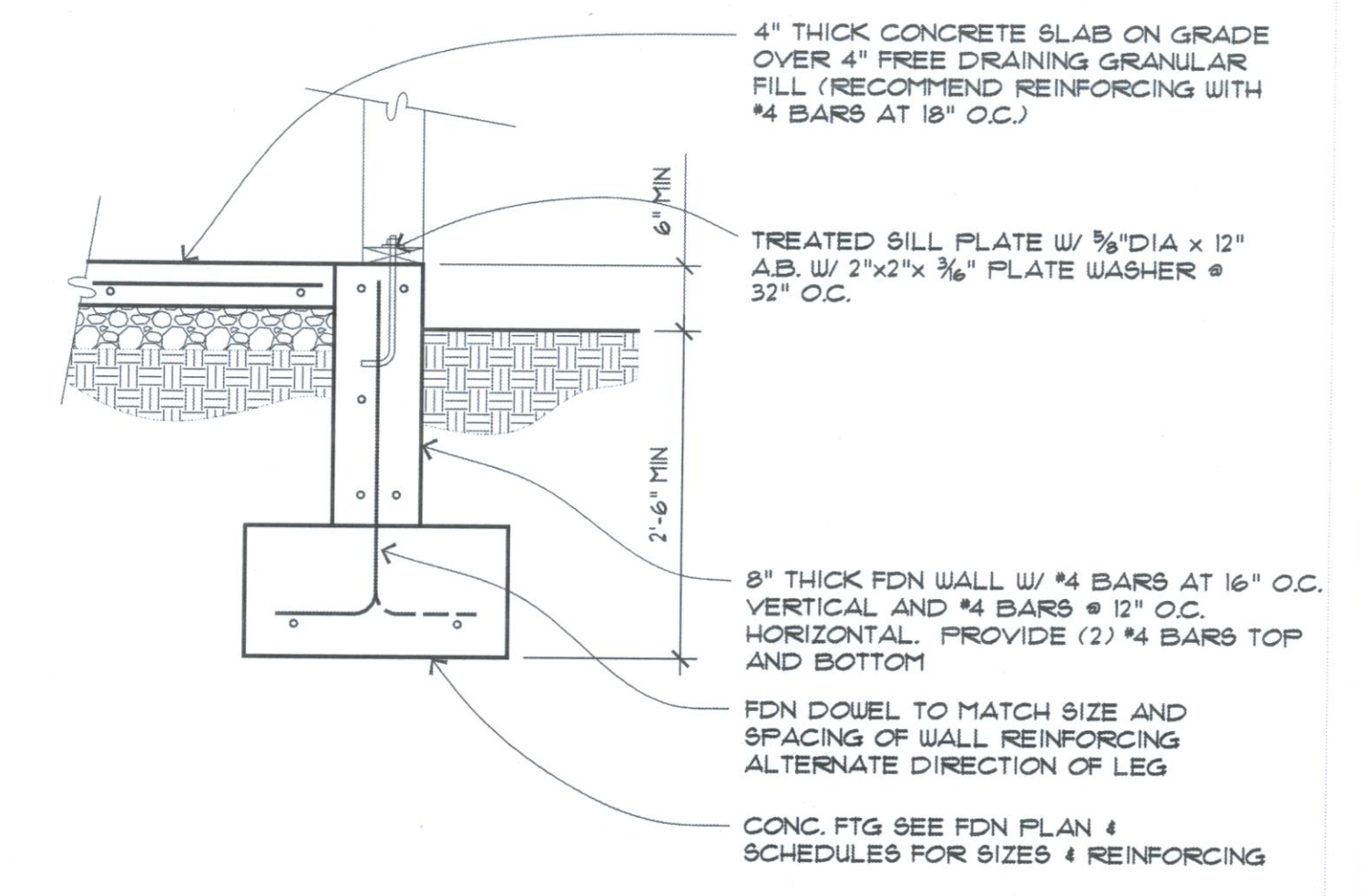
FDN / FRAMING PLAN
 ORIGINAL ISSUE: 6-30-11
 SHEET NUMBER:
S1
 DO NOT SCALE DRAWING



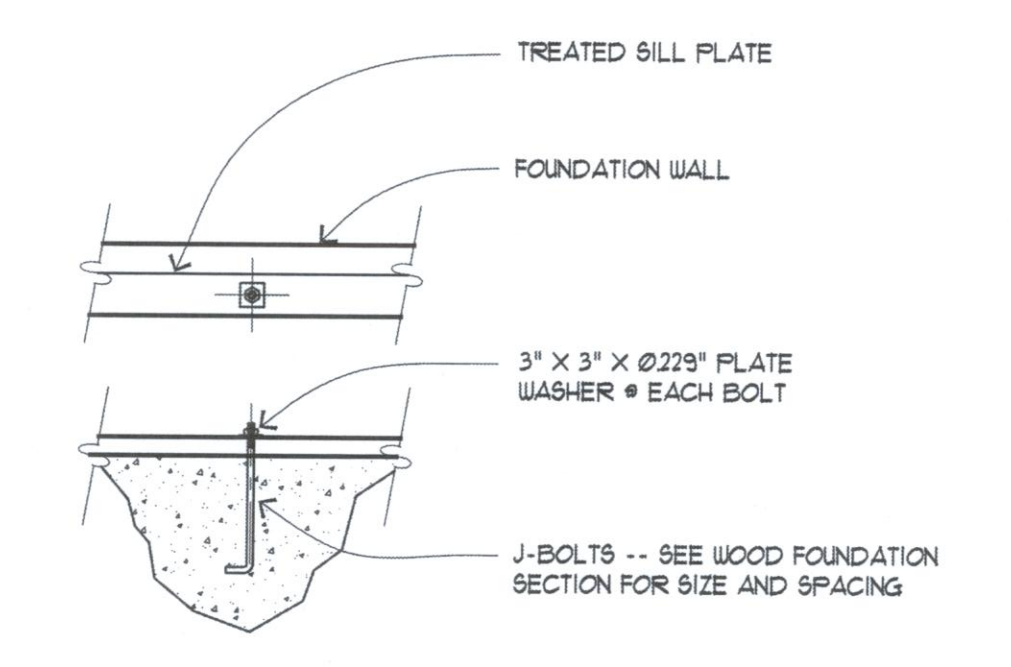
9 TYPICAL HEADER DETAIL
 S2 10D-03 SCALE: 3/4" = 1'-0"



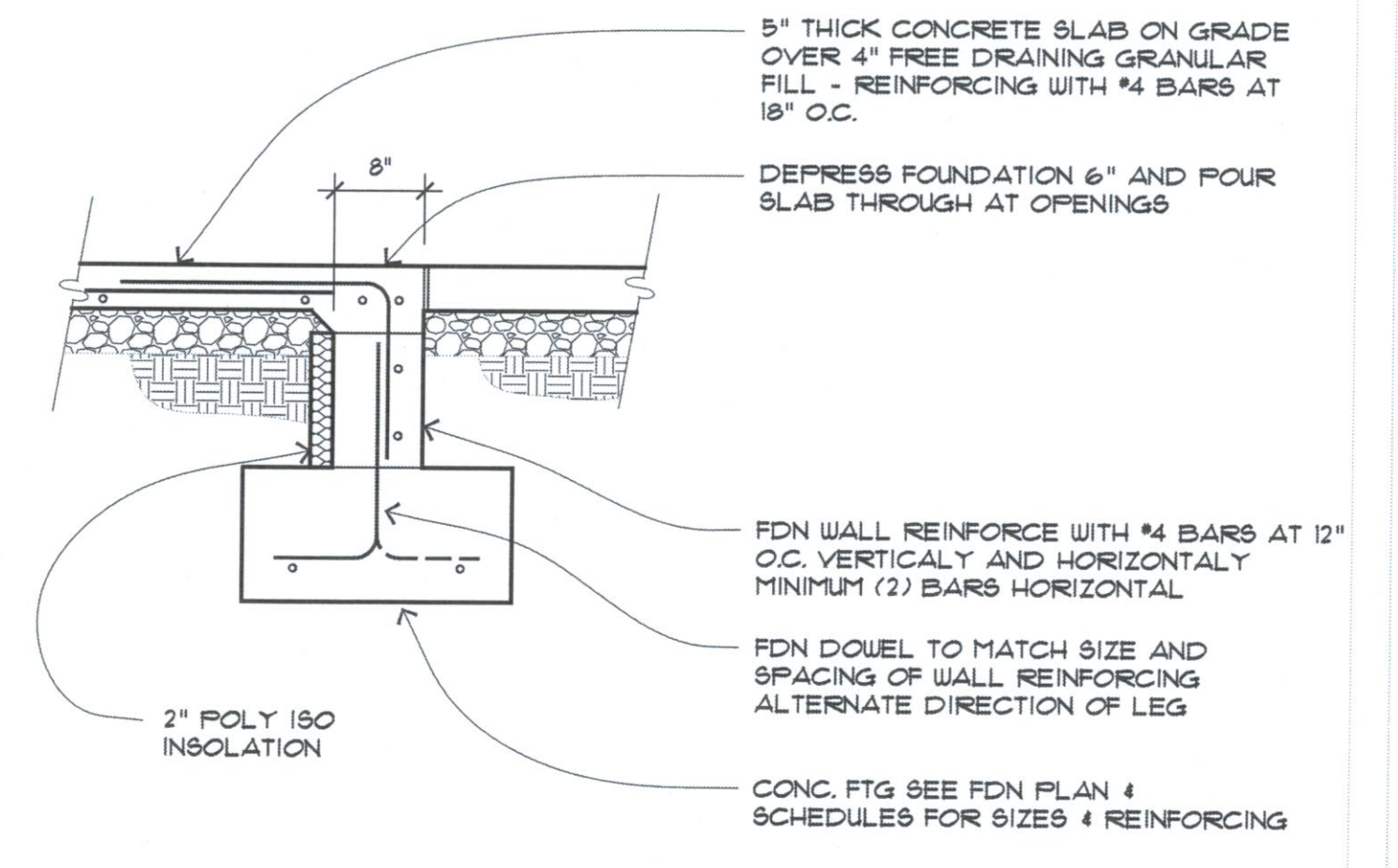
5 CONTROL JOINT DETAIL
 S2 FDN-50 SCALE: 3/4" = 1'-0"



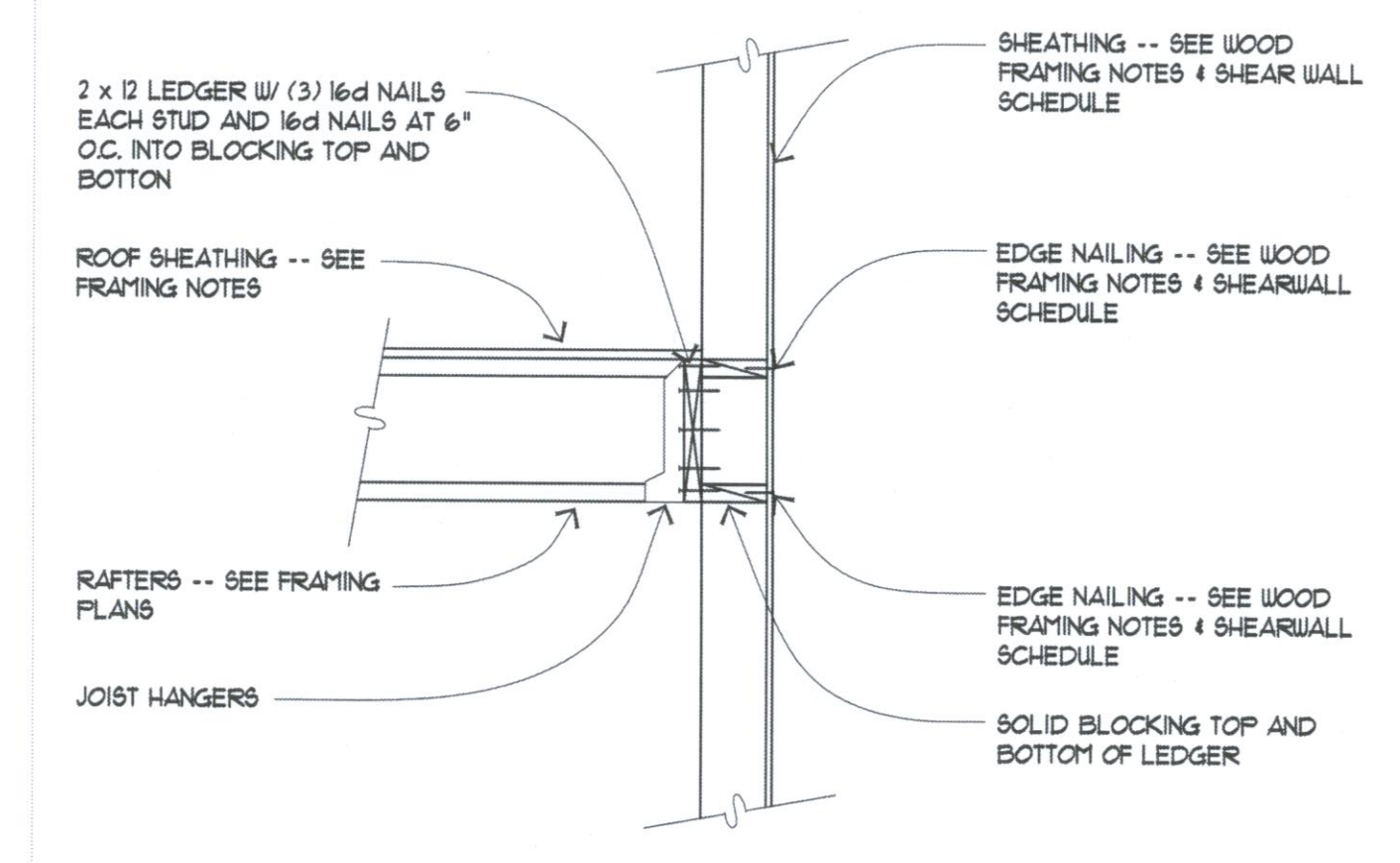
1 FOUNDATION DETAIL
 S2 FDN-03 SCALE: 3/4" = 1'-0"



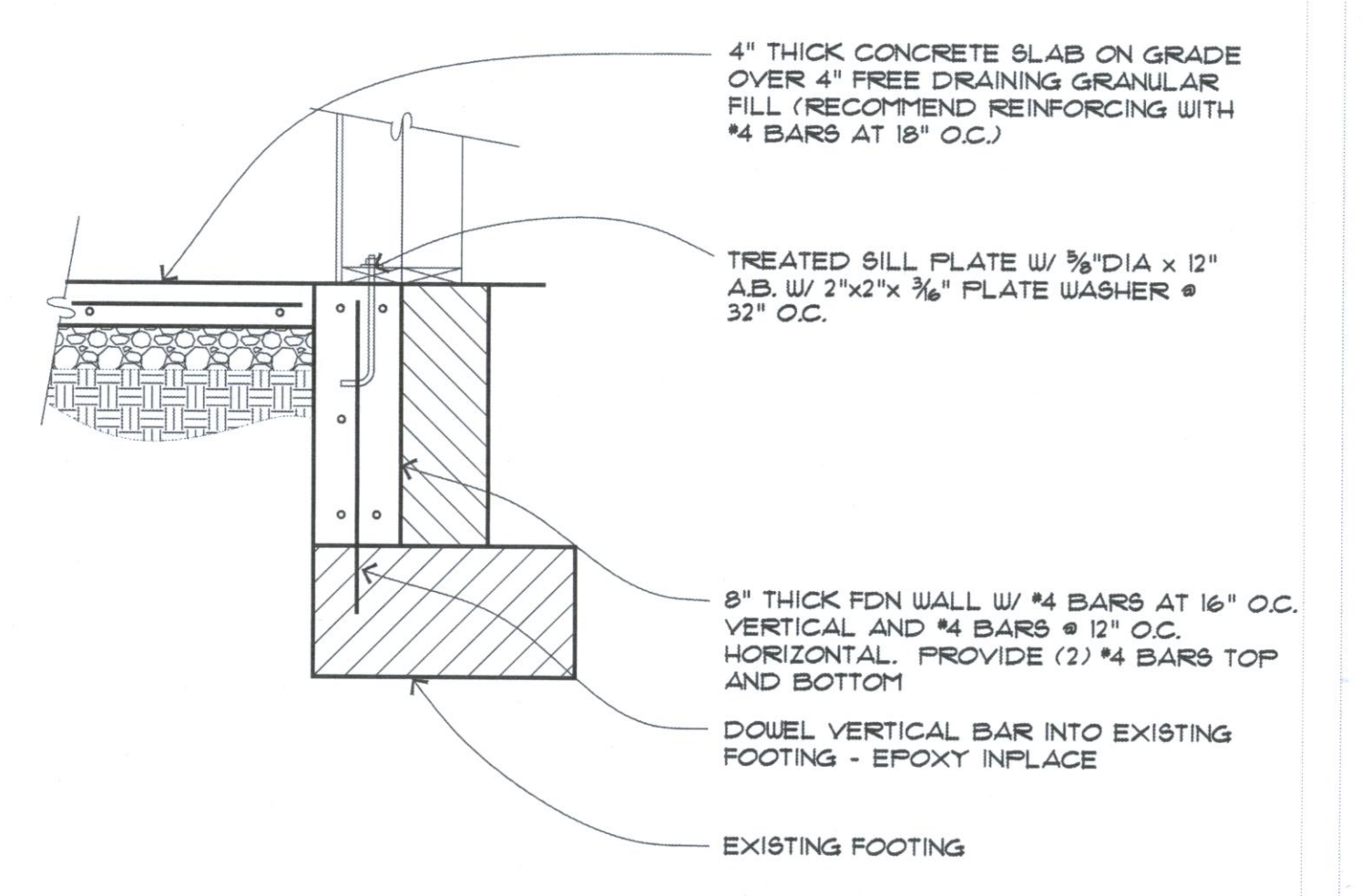
6 ANCHOR BOLT DETAIL
 S2 FDN-06 SCALE: 3/4" = 1'-0"



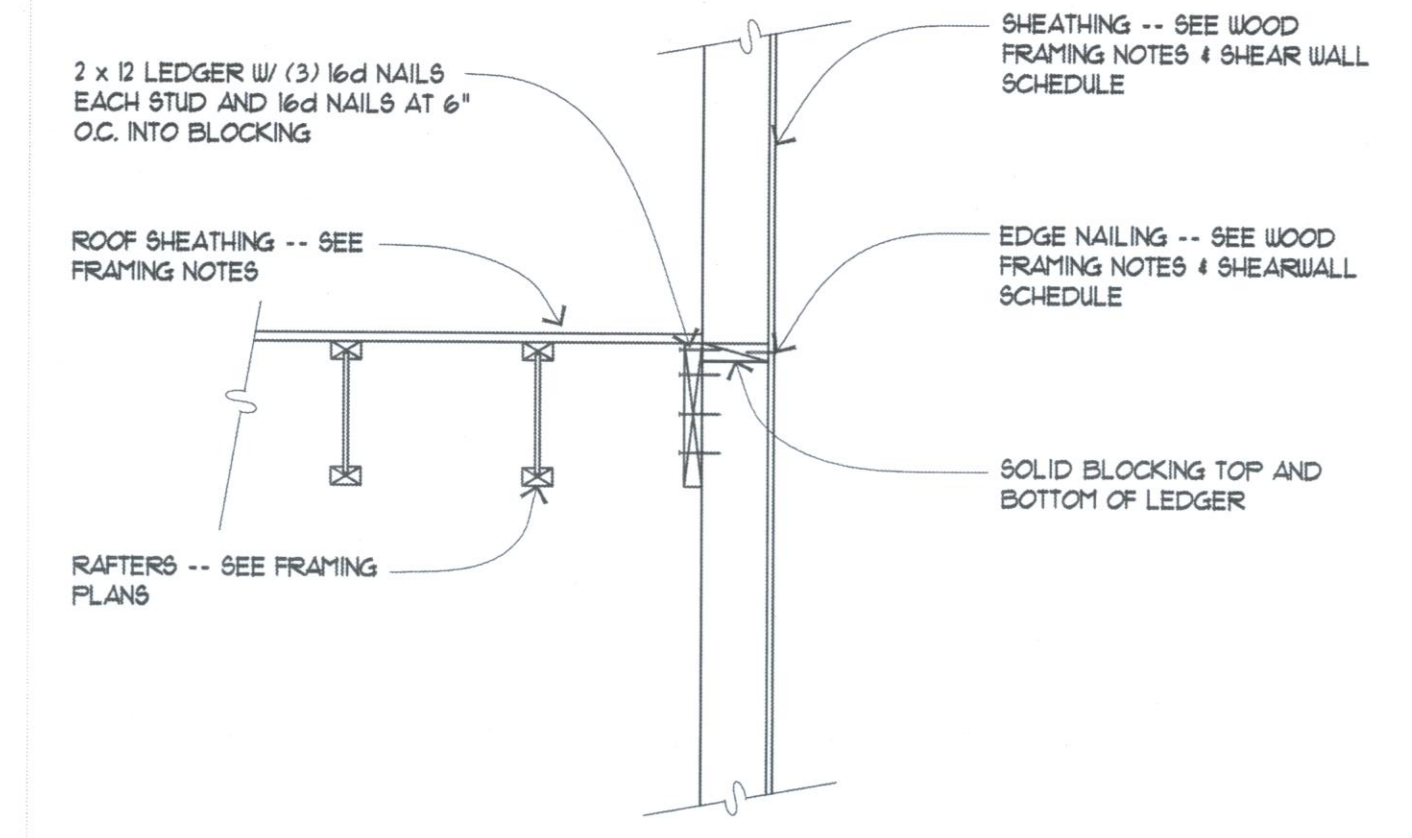
2 FOUNDATION DETAIL
 S2 FDN-02 SCALE: 3/4" = 1'-0"



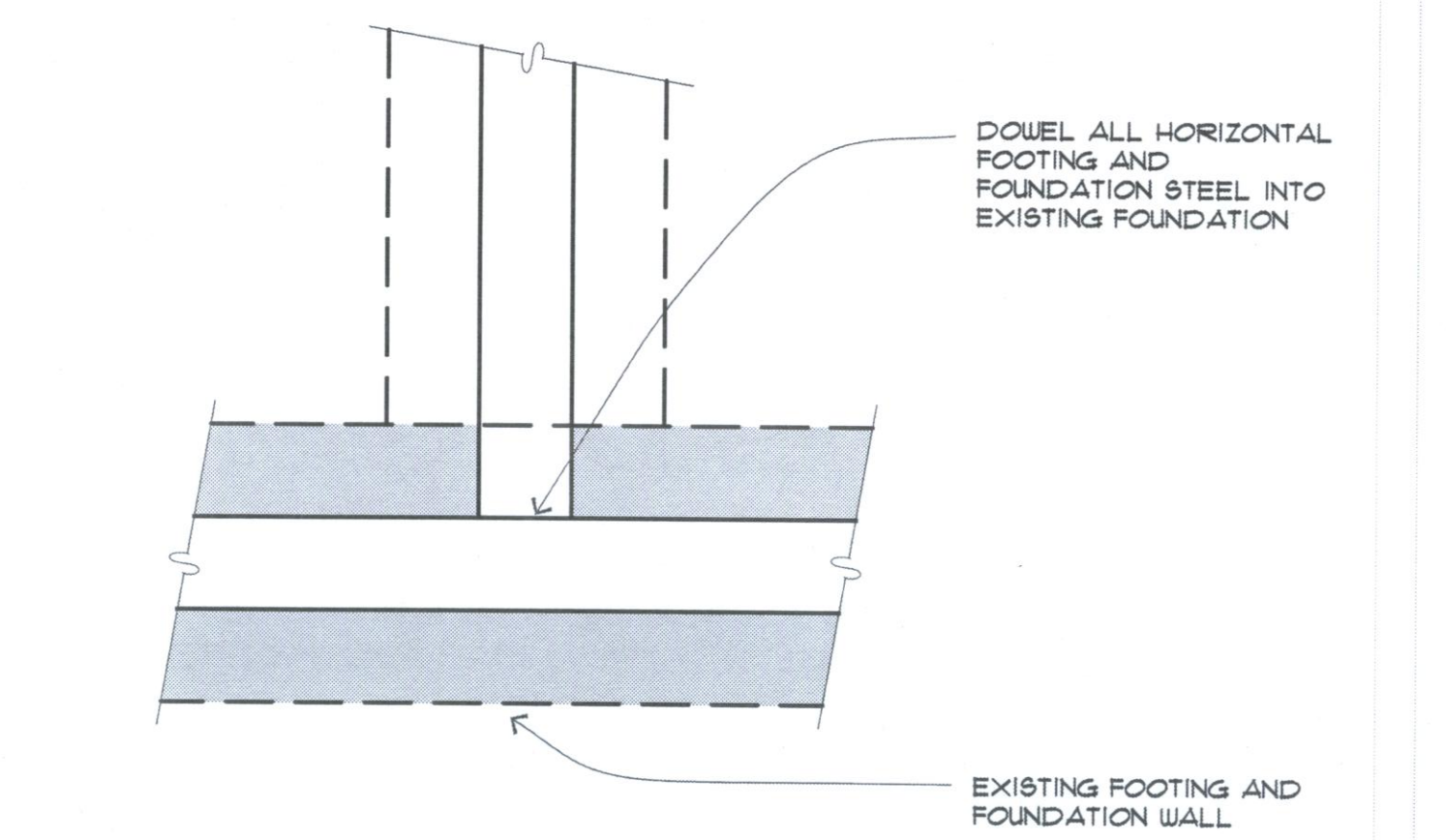
7 ROOF FRAMING
 S2 SCALE: 3/4" = 1'-0"



3 FOUNDATION DETAIL
 S2 SCALE: 3/4" = 1'-0"



8 ROOF FRAMING
 S2 SCALE: 3/4" = 1'-0"



4 FOUNDATION DETAIL
 S2 FDN-02 SCALE: 3/4" = 1'-0"

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REV#	DATE	DESCRIPTION
1		
2		
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 DANIEL COOK ARCHITECT | 2060 WASHINGTON BLVD. - OGDEN, UT 84001 | PH: 801-552-7137 | WWW.BGWSERVICES.COM



DETAILS
 SHEET NUMBER:
 S2
 ORIGINAL ISSUE: 5-30-11
 PROJECT: AC343
 SHEET TITLE:
 DO NOT SCALE DRAWING