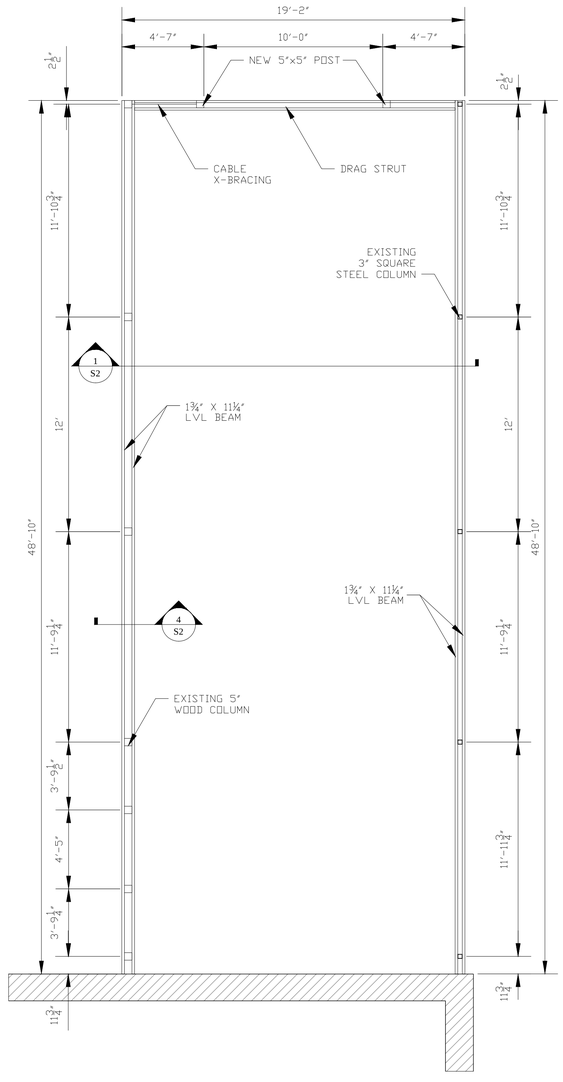
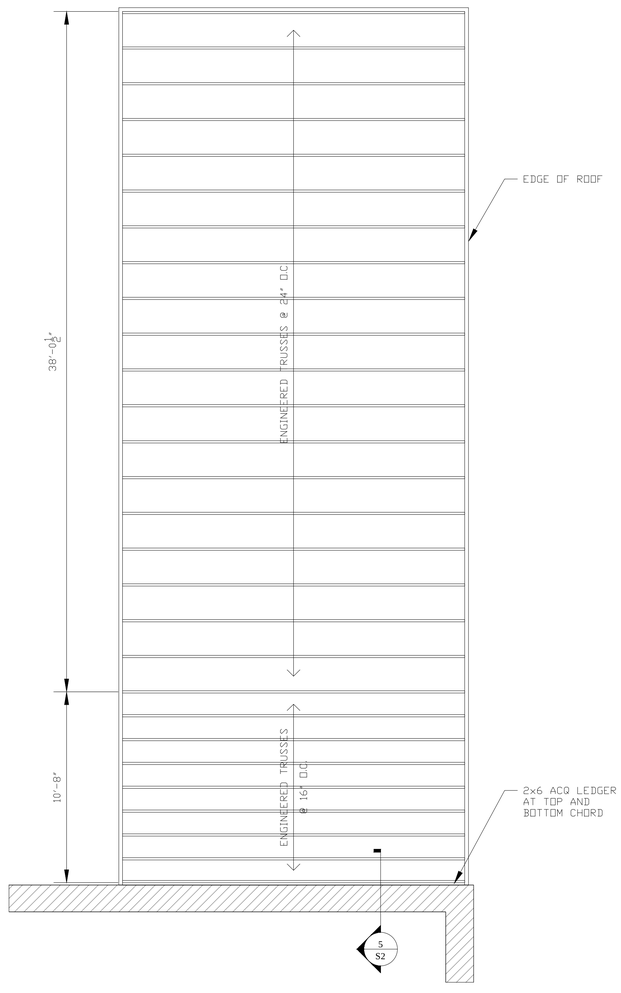
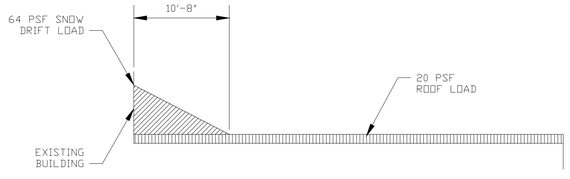


1 Building Plan
Scale: 1/4" = 1'-0"



2 Roof Plan
Scale: 1/4" = 1'-0"



3 SNOW DRIFT LOADING DIAGRAM
Scale: N.T.S.

DESIGN:

1. CODES, SPECIFICATION AND STANDARDS (LATEST EDITIONS, U.N.O.)

   ALL CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS AND STANDRAD'S, EXCEPT WHERE NOTED TO THE CONTRARY ON THE DRAWINGS AND SPECIFICATIONS OR WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED OR SHOWN

2. ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING

   - 2006 INTERNATIONAL BUILDING CODE (IBC)
   - 2005 NATIONAL ELECTRICAL CODE (NEC)

3. DESIGN LOADS:

   - DEAD LOAD: ACTUAL MATERIAL WEIGHT
   - FLOOR LIVE LOAD: NA
   - ROOF LIVE LOAD: 20 PSF
   - WIND LOADING
     - WIND SPEED: 90 MPH
     - EXPOSURE: "C"
     - STRUCTURE TYPE: ENCLOSED
     - IMPORTANCE: 1.00
   - SEISMIC DESIGN: Ss = 14.0; S1=5.5"

ROUGH CARPENTRY:

1. ALL STRUCTURAL LUMBER SHALL BE S4S #2 SPRUCE PINE FIR (SPF) (OR BETTER) WITH A MAXIMUM MOISTURE CONTENT OF NINETEEN (19) PERCENT.
2. ALL MATERIAL IN CONTACT WITH THE EARTH OR CONCRETE SHALL BE ACQ TREATED OR EQUAL.
3. ALL ENGINEERED WOOD PRODUCTS (LAMINATED VENEER LUMBER (LVL), OR PARALLEL STRAND LUMBER (PSL)) SHALL BE MANUFACTURED TO THE FOLLOWING MINIMUM PROPERTIES:
   - ALLOWABLE BENDING STRESS: 2,950 PSI
   - ALLOWABLE SHEAR STRESS: 285 PSI
   - MODULUS OF ELASTICITY: 1,900,00 PSI
6. ALL BOLTS FOR CONSTRUCTION SHALL BE ASTM A307, GRADE A, OR ASTM A36.
7. ALL NAILS SHALL BE COMMON WIRE NAILS, UNLESS NOTED OTHERWISE ON THE DRAWINGS
8. ALL METAL FRAMING ACCESSORIES ARE STANDARDS OF SIMPSON STRONG-TIE AND ARE TO BE ATTACHED AS PER SIMPSON STRONG-TIE RECOMMENDATIONS.
9. THE QUALITY AND SIZE OF FASTENERS SHALL BE IN ACCORDANCE WITH THE CODE OF RECORD, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
10. FASTENERS USED IN CONTACT WITH TREATED MATERIAL SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL OR APPROVED EQUAL.
11. FASTENER SCHEDULE
    - 2x4 NAILER (2) 12d (0.131 x 3¼") NAIL PER COLUMN
    - 2x6 NAILER (3) 12d (0.131 x 3¼") NAIL PER COLUMN
    - 2x12 NAILER (4) 40d (0.225 x 4½") NAIL PER COLUMN

PRE-FABRICATED/PRE-ENGINEERED WOOD TRUSSES:

1. WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI) DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES AND THE NATIONAL DESIGN SPECIFICATION FOR ANSI/NFOPA WOOD CONSTRUCTION. PROVIDE TEMPORARY AND PERMANENT BRACING ON ALL TRUSSES AS REQUIRED TO PROVIDE MEMBER AND TRUSS STABILITY PER BCSI-B3 MARCH 2013.
2. ROOF TRUSSES SHALL BE DESIGNED AND CONSTRUCTED FOR A MAXIMUM TOTAL DEFLECTION OF 1/360TH AND TO SAFELY SUPPORT THE FOLLOWING LOADS:

   A. TOP CHORD:
      LIVE LOAD = 20 PSF
      DEAD LOAD = 4 PSF

   B. BOTTOM CHORD:
      LIVE LOAD = 0 PSF
      DEAD LOAD = 5 PSF

   C. ADDITIONAL LOADS: (NOT LIMITED TO) SNOWDRIFT, BRACE REACTIONS, AND UPLIFT.

3. SHOP DRAWING SUBMITTALS, DRAWINGS, AND INFORMATION SHALL BE PREPARED, SIGNED, AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE KANSAS. DRAWINGS SHALL INCLUDE THE SPECIES, SPECIES GROUP, SIZES, AND ALLDWABLE STRESS GRADES OF LUMBER TO BE USED. THE ROOF PITCH, SPAN, CAMBER, CONFIGURATION, AND SPACING FOR EACH TYPE OF TRUSS SHALL BE PROVIDED. METAL PLATE CONNECTORS SHALL BE SPECIFIED AND SHALL INCLUDE, AS A MINIMUM, THE TYPE, SIZE, MATERIAL, FINISH, AND LOCATION AS WELL AS ANY NECESSARY SPECIAL BEARING DETAILS. THE DRAWINGS SHALL SHOW ALL REQUIRED TEMPORARY OR PERMANENT BRACING WHICH MAY AFFECT THE OVERALL STRUCTURAL CAPACITY AND PERFORMANCE OF THE TRUSSES. THE SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR FOR CONFORMANCE WITH THE PLANS.

Ben Moore Studio, LLC
Architecture • Planning
1501 H Avenue
Council Grove, KS 66846
785.477.3379
ben@benmoorestudio.com

TECH CAD SERVICES, LLC
CAD Drafting Services
Factory Built Consulting

RADIUS BREWING CO.
PATIO ROOF
610 MERCHANT
Emporia, KS 66801, Lyon County

RADIUS BREWING CO. EST 2013

contractor shall check & verify all dimensions & conditions at the job site

date: JAN. 13, 2015

REVISION:

MICHAEL L. SCHMIDT LICENSED 8982 KANSAS PROFESSIONAL ENGINEER

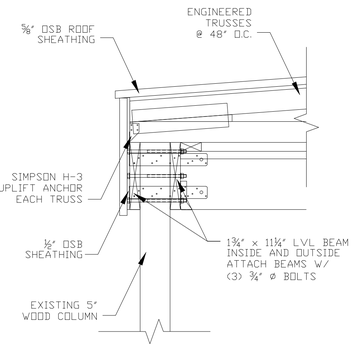
SCHMIDT Engineering Consultants, Inc.
CIVIL, STRUCTURAL, AND ARCHITECTURAL ENGINEERING
316 Cottonwood P.O. Box 250, Strong City, KS 66869-0250 Phone (620)-273-8384

PROJECT: RADIUS BREWING CO.
TITLE: STRUCTURAL DETAILS
PROJECT No.: 2014-015 | DATE: 14 JAN 15 | SHEET No.: 2
DWG. FILE: | DRAWN BY:

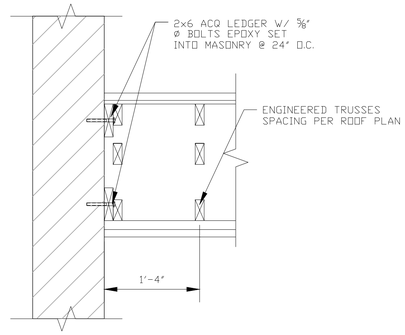
title: Structural

sheet: S1 of 4

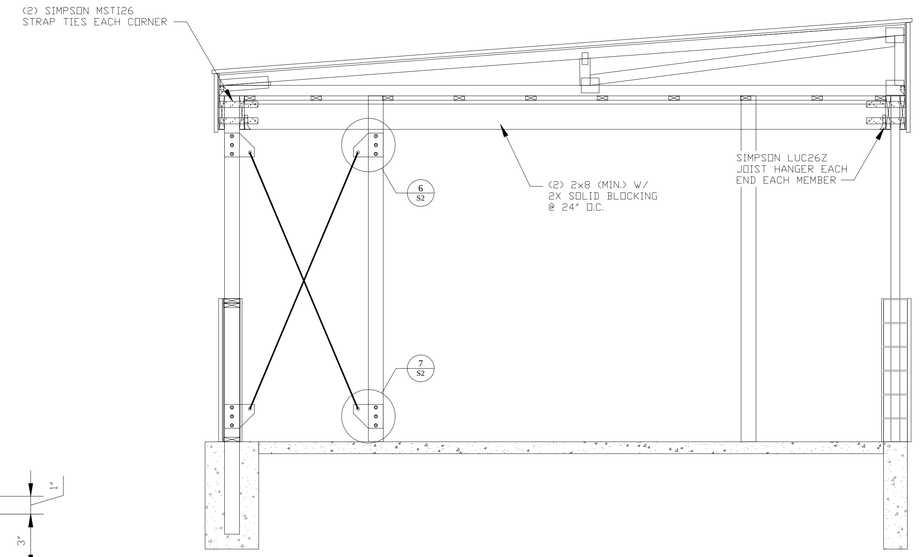
project: 14-44



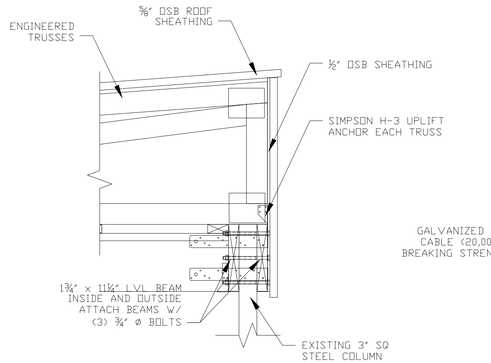
2 Ledger Attachment
Scale: 1" = 1'-0"



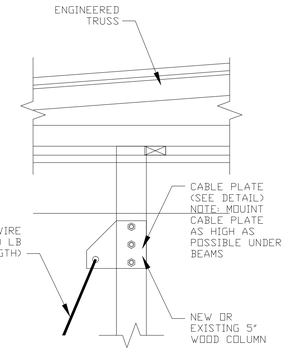
5 LEDGER DETAIL
Scale: 1" = 1'-0"



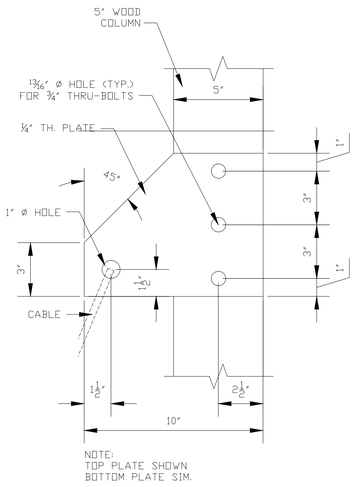
6 END WALL BRACING
Scale: 1/2" = 1'-0"



3 Ledger Attachment
Scale: 1" = 1'-0"



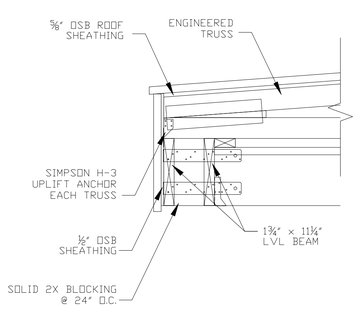
7 Bracing Attachment
Scale: 1" = 1'-0"



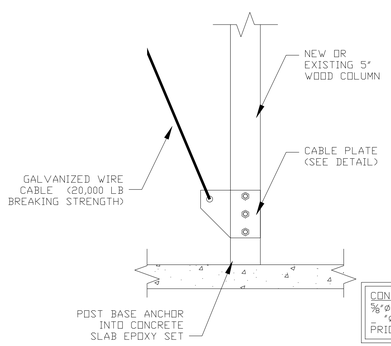
7A Cable Plate Detail
Scale: 3" = 1'-0"

NOTE:

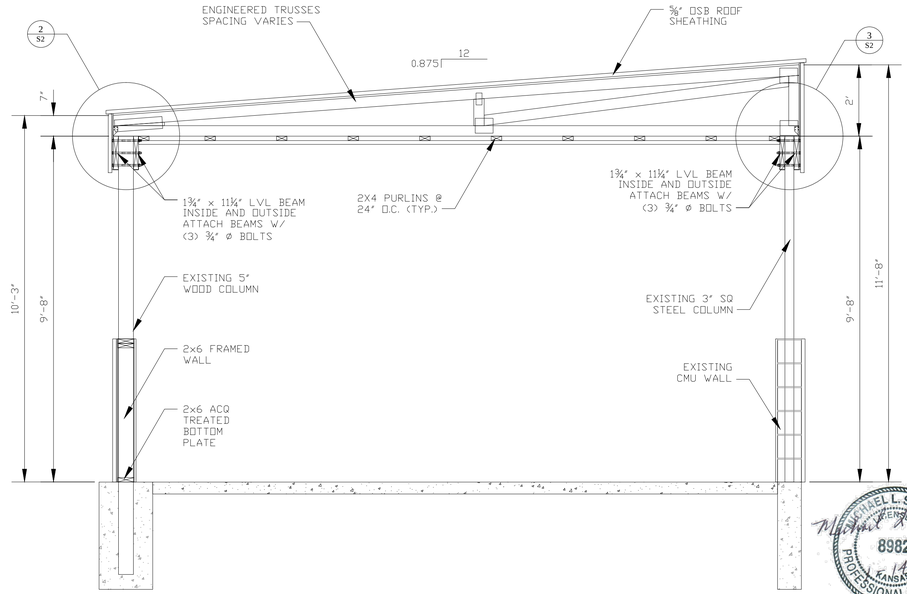
1. PROVIDE TURNBUCKLE IN EACH CABLE FOR TIGHTENING.
2. PROVIDE THIMBLE AND TRIPLE U-BOLT CLIPS AT EACH TERMINATION.



4 Truss Tie-Down
Scale: 1" = 1'-0"



8 Bracing Attachment
Scale: 1" = 1'-0"



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

MICHAEL L. SCHMIDT — 8982 — KANSAS — PROFESSIONAL ENGINEER

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610 Merchant
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RADIUS BREWING CO. EST. 2013

contractor shall check & verify all dimensions & conditions at the job site

date: JAN. 14, 2015

REVISION:

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