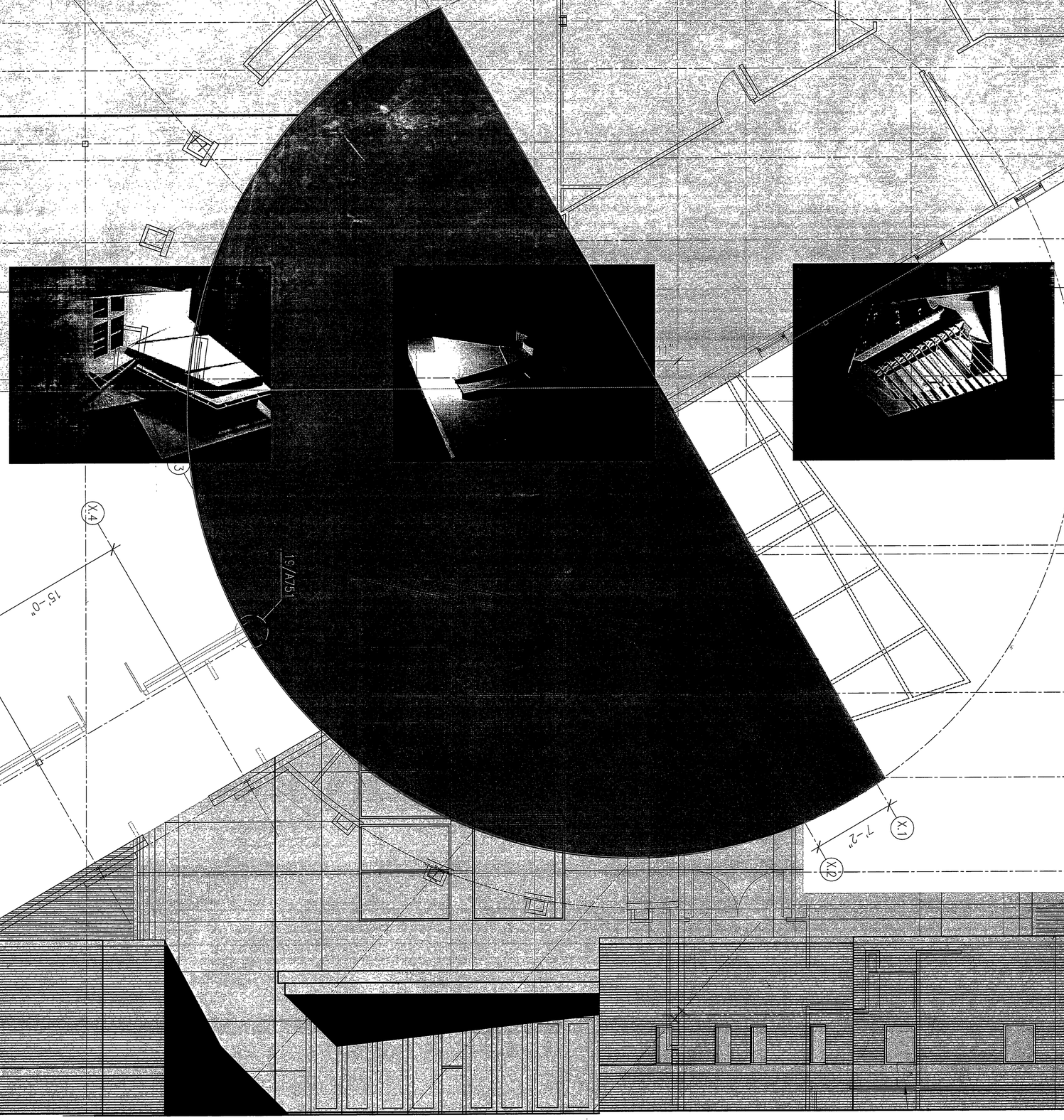
FIRST COVENANT CHURCH

PROJECT NUMBER 0100-0160

ISSUE DATE April 15, 2002

SHEET INDEX

COVER & INDEX SHEET	
GENERAL INFORMATION	G001
CODE REVIEW INFORMATION	G101
EXISTING SURVEY	AS000
CIVIL SITE PLAN	C1
CIVIL SITE GRADING	C2
CIVIL POND PLAN	C3
CIVIL PLANTING PLAN	C4
CIVIL PLANTING DETAILS	C5
SITE PLAN	AS101
SITE DETAILS	AS151
LOWER LEVEL PLAN	A101
FIRST FLOOR PLAN	A102
ROOF PLAN	A103
EXTERIOR ELEVATIONS	A201
EXTERIOR ELEVATIONS	A202
EXTERIOR ELEVATIONS	A203
BUILDING SECTIONS	A301
WALL SECTIONS	A311
WALL SECTIONS	A312
WALL SECTIONS	A313
WALL SECTIONS	A314
BRICK & WALL PANEL DETAILS	A351
ROOF DETAILS	A371
LOWER LEVEL CEILING PLAN/ DETAILS	A401
FIRST FLOOR CEILING PLAN	A402
INTERIOR ELEVATIONS	A501
INTERIOR ELEVATIONS	A502
INTERIOR ELEVATIONS	A521
INTERIOR ELEVATIONS	A522
INTERIOR DETAILS	A551
STAIR PLANS, SECTIONS, & DETAILS	A601
WINDOW/ DOOR DETAILS & WINDOW TYPES	A751
WINDOW/ DOOR DETAILS & DOOR/ FRAME TYPES	A752
LOWER LEVEL FINISH PLAN	AF101
MAIN LEVEL FINISH PLAN	AF102
GENERAL NOTES/ TYPICAL DETAILS	S100
LOWER LEVEL FRAMING PLAN	S101
FIRST FLOOR FRAMING PLAN	S102
ROOF FRAMING PLAN	S103
EXTERIOR ELEVATIONS	S201
EXTERIOR ELEVATIONS	S202
SECTIONS	S300
SECTIONS	S301
SECTIONS	S302
LOWER LEVEL HVAC PLAN	M101
FIRST FLOOR HVAC PLAN	M102
HVAC DETAILS	M201
LOWER LEVEL PLUMBING PLAN	P101
FIRST FLOOR PLUMBING PLAN	P102
PLUMBING DETAILS	P201
ELECTRICAL SYMBOLS	E000
LOWER LEVEL LIGHTING PLAN	E101
FIRST FLOOR LIGHTING PLAN	E102
LOWER LEVEL POWER PLAN	E201
FIRST FLOOR POWER PLAN	E202
LOWER LEVEL SPECIAL SYSTEMS PLAN	E301
FIRST FLOOR SPECIAL SYSTEMS PLAN	E302
BASEMENT SPECIAL SYSTEMS PLAN	E401
FIRST FLOOR SPECIAL SYSTEMS PLAN	E402
DETAILS, SCHEDULES, & ONE-LINE	E501
PANELBOARD SCHEDULES	E601



Gould Evans Associates, LC

DECEMBER 18, 2001
GEA PROJECT # - 0100-0160
MARKLEY ST. & MAGNOLIA ST.
SALINA, KS

DESIGN TEAM

ARCHITECT:
GOULD EVANS ASSOCIATES, LC
706 MASSACHUSETTS ST.
LAWRENCE, KS 66044-2256
T 785.842.3800
F 785.842.3830
WWW.GEAF.COM

STRUCTURAL ENGINEER
BOB D. CAMPBELL & CO.
4338 BELLEVIEW
KANSAS CITY, MO 64111
T 816.531.4144
F 816.531.8572

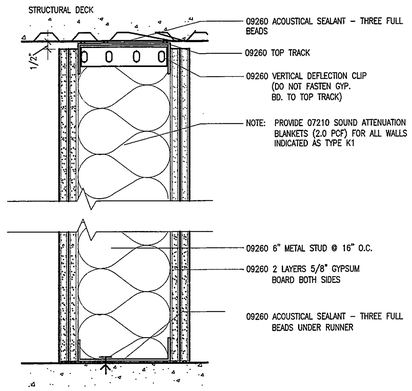
CIVIL ENGINEER:
EARLES & RIGGS
101-1/2 S. MAIN
P.O. BOX 147
LINDSBURG, KS 67456
T 785.227.3787
F 785.227.3788

MECHANICAL, ELECTRICAL,
& PLUMBING ENGINEER:
BUCHER, WILLIS, & RATLIFF
609 W. NORTH ST.
SALINA, KS 67401
T 785.827.3603
F 785.827.3029

ACOUSTICAL ENGINEER:
ACOUSTICAL DESIGN GROUP
5799 BROADMOOR, SUITE 108
MISSION, KS 66202
T 913.384.1261
F 913.384.1274

BID SET

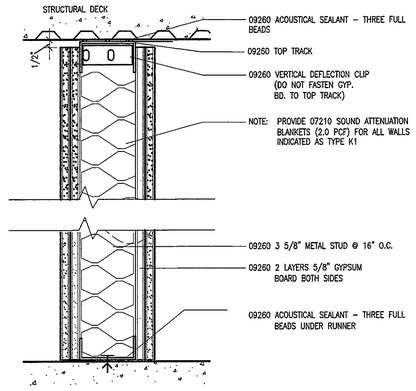
SET NO. 53



UL DESIGN #: U411

2 HR. RATED WALL H

3" = 1'-0"



UL DESIGN #: U411

2 HR. RATED WALL D

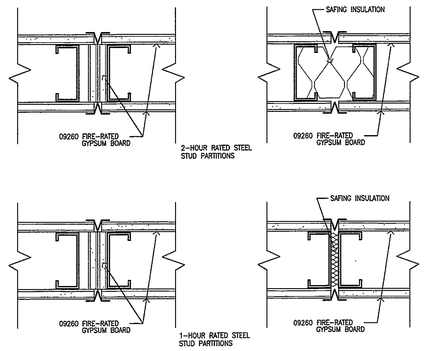
3" = 1'-0"

GENERAL NOTES:

1. BUILDING FLOOR PLAN DIMENSIONS ARE REFERENCED FROM STRUCTURAL GRID, OR FACE OF CONCRETE MASONRY, OR FRAMING UNLESS INDICATED OTHERWISE.
2. REFLECTED CEILING PLAN DIMENSIONS ARE REFERENCED FROM FINISHED SURFACES, UNLESS INDICATED OTHERWISE. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR TO FINISHED CEILING HEIGHT.
3. CASEWORK, PLUMBING FIXTURES, AND EQUIPMENT ARE DIMENSIONED FROM FINISH SURFACES UNLESS INDICATED OTHERWISE.
4. PARTITION TYPES INDICATED TO EXTEND TO STRUCTURE ABOVE SHALL BE CONSTRUCTED WITH DEFLECTION DETAILS UNLESS NOTED OTHERWISE.
5. WHERE DIFFERENT PARTITION TYPES INTERSECT, THE HIGHER PRIORITY PARTITION TYPE SHALL CONTINUE WITHOUT INTERRUPTION (RE: 2/G001).
6. ALL NEW NON-LOAD BEARING PARTITIONS SHALL BE CONSTRUCTED WITH PERIMETER RELIEF AT ATTACHMENT TO STRUCTURE ABOVE. AT METAL STUD PARTITION, METAL STUDS SHALL NOT BE FASTENED TO TWO INCH DEEP LEG METAL RUNNER WHICH IS FASTENED TO STRUCTURE ABOVE SUCH THAT A SLIP JOINT IS CREATED. AT MASONRY WALLS, SLIP ANGLES SHALL BE FASTENED TO STRUCTURE ABOVE BUT NOT TO MASONRY WALL.
7. ALL VERTICAL SURFACE CONCRETE IN PUBLIC SPACES TO BE COVERED BY PARTITION TYPE C UNLESS NOTED OTHERWISE.
8. IF CONFLICTS ARE FOUND EITHER BETWEEN DETAILS OR DIMENSIONS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WITH WORK.
9. ALL COLUMNS ARE TO BE ENCLOSED PER DETAILS 4 OR 5 ON SHEET A551 UNLESS NOTED OTHERWISE

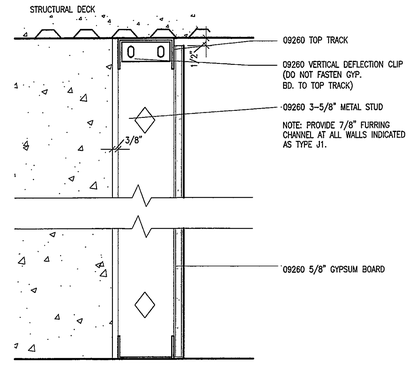
GENERAL NOTES 4

Scale: NO SCALE



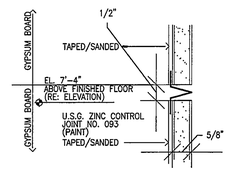
RATED STUD PARTITIONS G

3" = 1'-0"



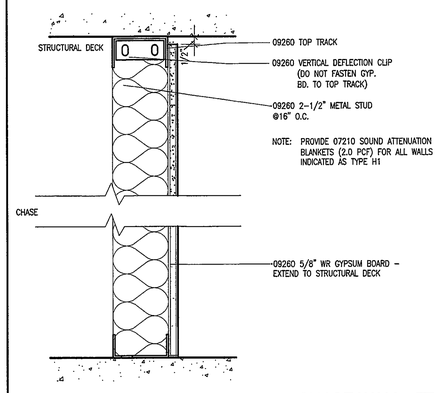
FURRING AT CONC. WALL C

3" = 1'-0"



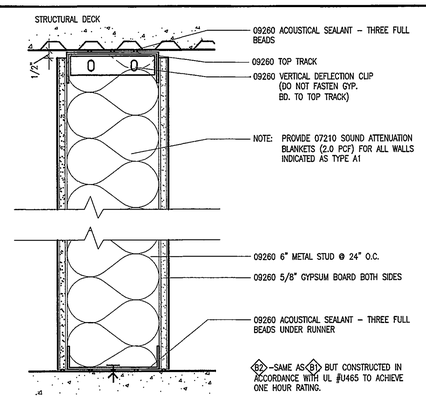
VERT. CONTROL JOINT 3

6" = 1'-0"



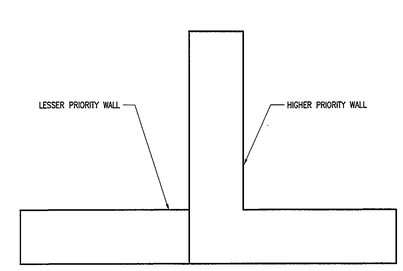
CHASE WALL F

3" = 1'-0"



6" PARTITION WALL B

3" = 1'-0"

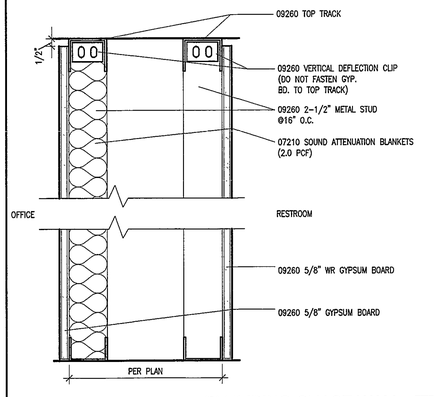


WALL PRIORITY LEGEND (1 = HIGHEST)

1. TWO HOUR FIRE RATED WALL.
2. ONE HOUR FIRE RATED WALL.
3. MASONRY WALL TO STRUCTURE ABOVE.
4. NON RATED METAL STUD WALL WITH GYPSUM BOARD TO STRUCTURE ABOVE.
5. OTHER NON RATED WALLS.

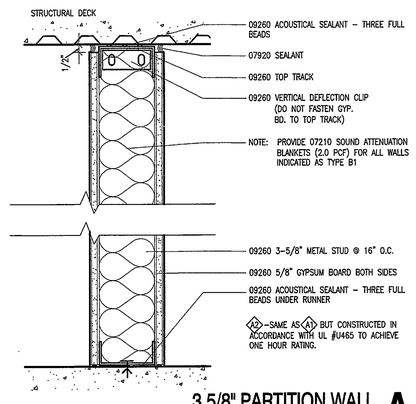
WALL PRIORITY DETAIL 2

1-1/2" = 1'-0"



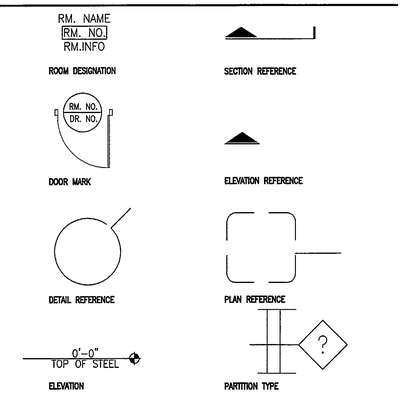
PLUMBING CHASE WALL E

3" = 1'-0"



3 5/8" PARTITION WALL A

3" = 1'-0"



GRAPHIC SYMBOLS 1

Scale: NO SCALE

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

GENERAL INFORMATION

G001

Bid Set

CODE INFORMATION SCHEDULE

——•——	TWO HOUR AREA SEPARATION WALL WITH 1 1/2 HOUR RATED OPENINGS.
- - - - -	ONE HOUR CORRIDOR WITH 20 MINUTE OPENINGS.
—·—·—	ONE HOUR EXIT ENCLOSURE WITH 60 MINUTE OPENINGS.
— — — —	ONE HOUR EXTERIOR WALL
C	CLASSROOM
O	OFFICE
S	STORAGE
M	MECHANICAL
K	KITCHEN
A	ASSEMBLY AS NOTED
101 ▼	EXIT W/ # OF OCCUPANTS
F	FIRE EXTINGUISHER

1.1 TABLE 5-A EXTERIOR WALL RATINGS

OCC. GROUP	CONST. TYPE	EXTERIOR WALLS- BEARING	EXTERIOR WALLS- NON-BEARING	OPENINGS
A-2, A-2.1	II 1 HR.	2 HR. / NC < 10' 1 HR. / NC ELSEWHERE	2 HR. / NC < 10' NR / NC > 40'	NOT PERMITTED < 5' PROTECTED < 20'
	V 1 HR.	2 HR. < 10' 1 HR. ELSEWHERE	SAME AS BEARING	NOT PERMITTED < 5' PROTECTED < 10'
A-3	II 1 HR.	2 HR. / NC < 5' 1 HR. / NC ELSEWHERE	2 HR. / NC < 5' NR / NC ELSEWHERE	NOT PERMITTED < 5' PROTECTED < 10'
	II N	2 HR. / NC < 5' 1 HR. / NC < 20' NR / NC ELSEWHERE	SAME AS BEARING	NOT PERMITTED < 5' PROTECTED < 10'
B	II 1 HR.	1 HR. / NC	SAME AS BEARING EXCEPT NR / NC > 40'	NOT PERMITTED < 5' PROTECTED < 10'
	II N	1 HR. < 20' NR / NC ELSEWHERE	SAME AS BEARING	NOT PERMITTED < 5' PROTECTED < 10'

1.2 TABLE 6-A FIRE RESISTIVE REQUIREMENTS

BUILDING ELEMENT	TYPE II 1 HR.	TYPE II N	TYPE V 1 HR.
BEARING WALLS- INT.	1	N	1
STRUCTURAL FRAME	1	N	1
PARTITIONS- PERMANENT	1	N	1
SHAFT ENCLOSURES	1	1	1
FLOORS / FLR / CLNG.	1	N	1
STAIRWAY CONSTRUCTION			

Building Summary:

Basis of code design: 1997 Uniform Building Code

First Covenant Church is a 1 story building with a walk-out basement. The primary structure system is a steel frame.
The floor system is concrete slab over steel deck over bar joists. The roof system is a steel deck over bar joists
The building is subdivided into three areas as noted on the adjacent plans. Tags are used to designate primary use and square footage in each of the main areas.

Primary Uses: A2.1, A3, B
Construction Type(s): II 1hr, II N with two hour fire separation wall between types.
Allowable area: See below:

Area A:
North wing of building First floor with Basement and Mixed Occupancy:
B / A3 (no separation required)
Construction: Type IIN
Area Calculations:
Allowable areas: A3 - 9100 s.f.; B - 12,000 s.f.
Modification for two sides open = 50% increase
Using the formula from 504.3 the area would be:
(A3 actual / A3 allowable)+(B actual / B allowable) <=1
(5880/13,650)+(9,490/18,000) = .95

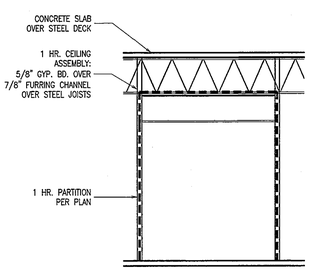
Area B:
Assembly A2.1
Construction: Type II 1hr
Area Calculations:
Allowable area: 13,500 s.f.
Modification for two sides open: 50% increase
Total allowable area: 20,250 s.f.
Actual Area: 9,678 s.f.

Area C:
B occupancy
Construction: Type IIN
Area Calculations:
Allowable area: 12,000 s.f.
Modification for two sides open: 50% increase
Total allowable area: 18,000 s.f.
Actual Area: 4,292 s.f.

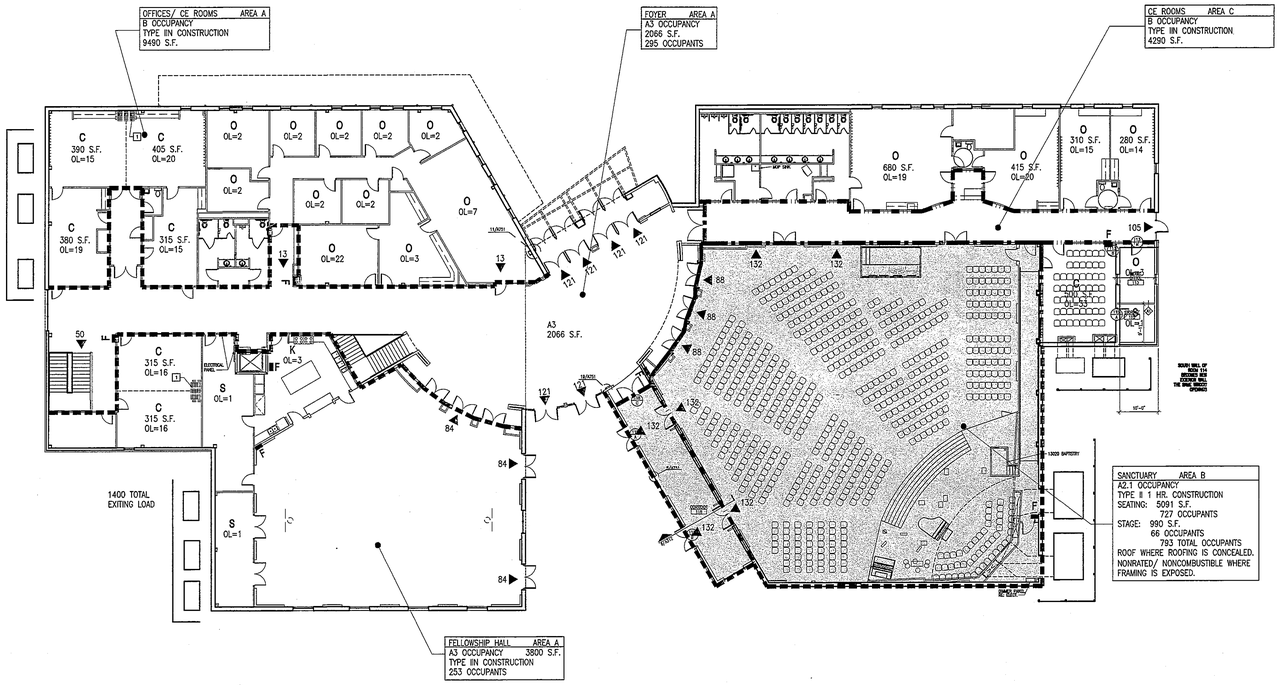
24,000
13,500
37,500

Key Code Information:

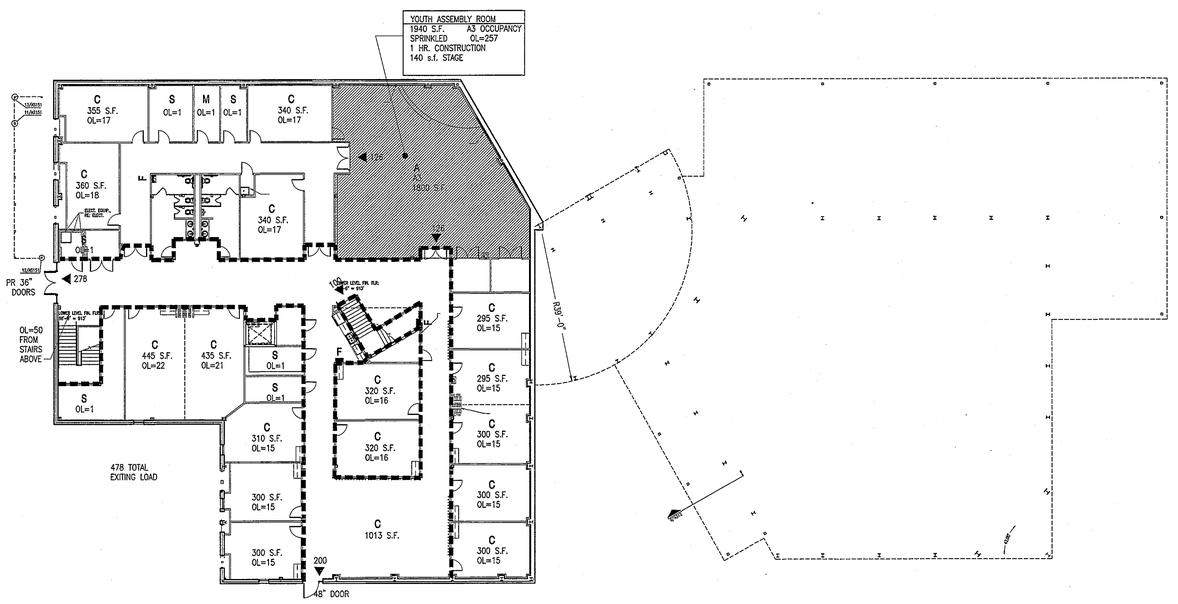
1. Basement is sprinkled throughout.
2. The basement assembly room is separated by 1 hr fire resistive construciton. (including ceiling)
3. Basement corridors of a 1hr enclosure per diagram on this sheet.
4. At on-grade and perimeter areas of the basement, the fire sprinkler is used as substitution for a 1 hr. fire separation assembly
5. In the first floor assembly space, per 303.2.2.1, the roof framing is unprotected where it is open to the assembly.
6. Per 405.2, the platform in the A2.1 assembly space is constructed out of wood, and hoses no other use than plumbing and electrical runs.



BASEMENT CORRIDOR ENCLOSURE 22
1/4" = 1'-0"



MAIN LEVEL CODE PLAN 3
1/16"=1'-0"



LOWER LEVEL CODE PLAN 1
1/16"=1'-0"

Gould
Evans
Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

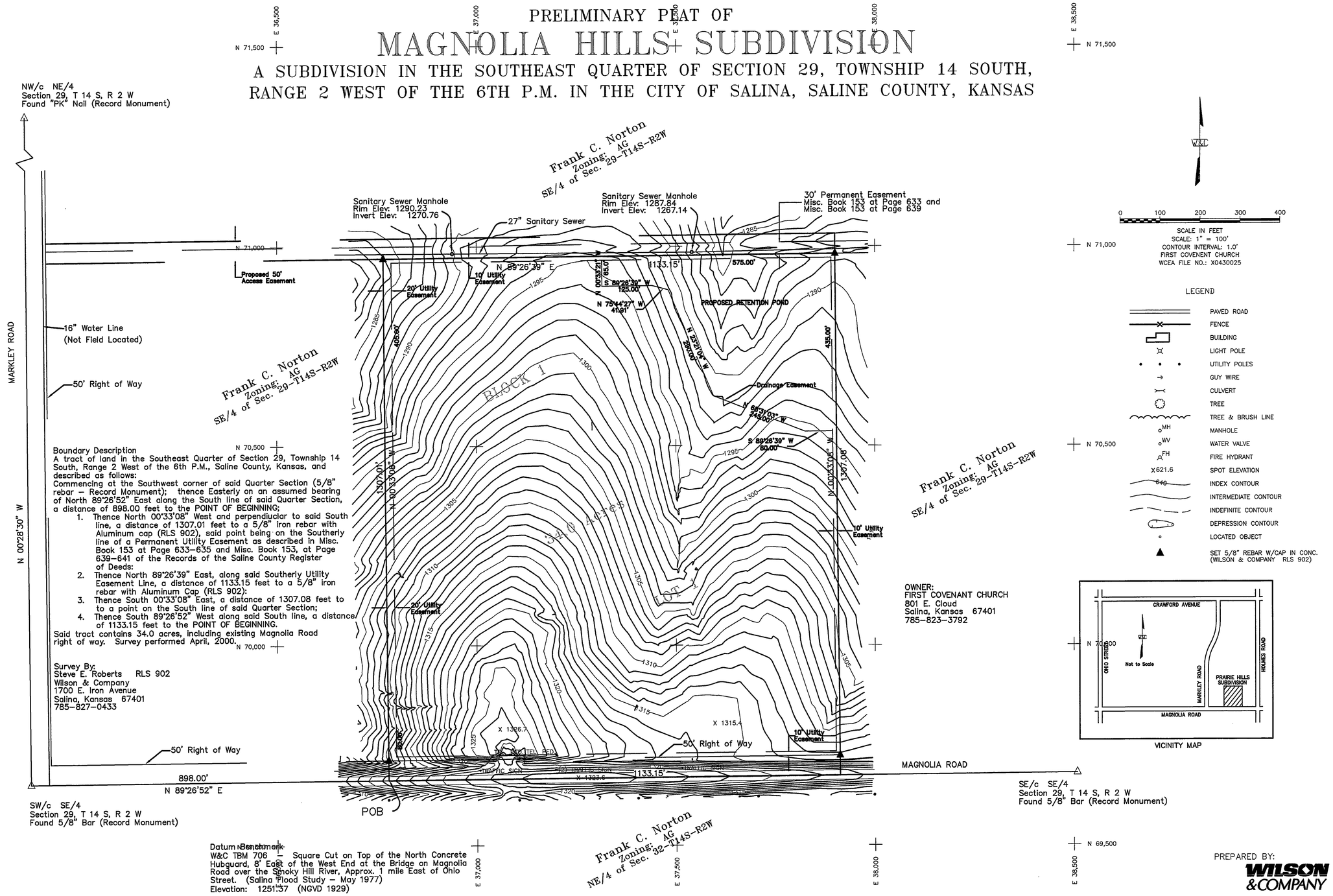
CODE REVIEW INFORMATION

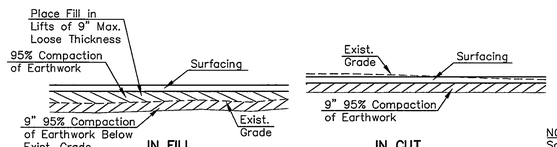
G101

Bid Set

PRELIMINARY PLAT OF
MAGNOLIA HILLS SUBDIVISION

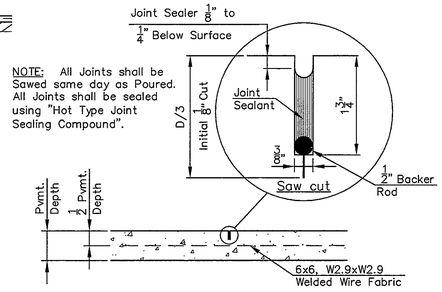
A SUBDIVISION IN THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 14 SOUTH, RANGE 2 WEST OF THE 6TH P.M. IN THE CITY OF SALINA, SALINE COUNTY, KANSAS





TYPICAL SECTION
Not To Scale

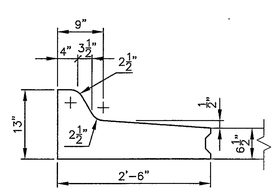
GENERAL NOTES:
- Remove Vegetation & Organic Topsoil and Cut to Design Grade For Paving Area, Then Proofroll With Rubber-Tire Vehicle Weighing a Min. of 25 Tons. Any Subgrade That Ruts or Pumps Excessively Shall be Removed and Filled.
- Compaction Shall Extend 1' Beyond Surfacing or Curb.
- Typical Surfacing Shall be 6" Bit. Paving and Shall Consist of 2" KDOT BM-2 Surface and 4" KDOT BM-4 Base.
- 8" Bit. Paving Shall Consist of 2" KDOT BM-2 Surface and 6" KDOT BM-4 Base.
- Gravel Surfacing Shall be 4" KDOT SA-7
- Conc. Surfacing Shall be Air Entrained Having 4,000 PSI Comp. and 650 PSI Flex. Strength.
- Typical 4" Conc. Surfacing Shall be Unreinforced Except Areas Indicated on Jointing Detail, Typical 8" Conc. Surfacing Shall have 6x6, W2.9xW2.9 Welded Wire Fabric Centered In Slab, Special 2' Wide 8" Concrete Shall be Reinforced as Detailed.
- Conc. Surfacing Shall have Contraction Joints Placed in a Square Pattern with a Maximum Size of 8'x8' for 4" Conc. and 10'x10' for 8" Conc., 4" Reinf. Conc. at the East and West Courtyards Shall be Jointed According to Details.
- Refer to Architectural Sheets for Concrete Scoring Patterns.
- Pre-molded Expansion Joint Filler (Type B) (Non-Extruding) will be Used at All Expansion Joints.
- 1/2" Expansion Joints Shall be Placed Between 4" Conc. and Building, Curb, or Planters; Additional Joints Shall be Placed at Locations Indicated on Plans as "E.J."
- One Inch Expansion Joints Shall be Placed in Curb at 300± Feet.
- Curb Dimensions are Measured at Back of Curb.
- Ditch Liner Material - 12" Deep Screened Shot Rock with Maximum Size of 12" (similar to D50-6") (similar to Waker Stone Company K-18 quarry production)
- Special Trench Backfill (3' Typ. Width) Shall be Used at All Locations Where Utilities or Drainage Pipe are Beneath Surfacing or Curb.



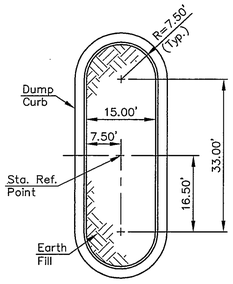
CONTRACTION JOINT - 8" CONCRETE
Not To Scale

SW Cor. SE/4 Sec. 29-T14S-R2W
Sta. 102+00.00
N 69854.5770; E 35880.7309
Found 5/8" Bar

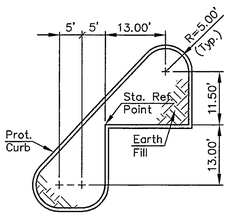
SE Cor. SE/4 Sec. 29-T14S-R2W
Sta. 128+27.26
N 69679.8957; E 38507.8658
Found 5/8" Bar



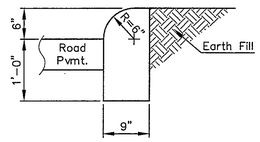
DUMP CURB
Not To Scale



ISLAND #1
Not To Scale

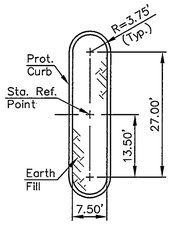


ISLAND #2
Not To Scale



PROTECTION CURB
Not To Scale

ISLAND REF. STATION			
Item	Station	Offset	Side
Island #1	202+95.61	235.11'	Lt.
Island #2	207+47.04	13.68'	Lt.
Island #3	204+41.29	62.43'	Lt.
Island #4	205+02.29	62.43'	Lt.
Island #5	205+63.29	62.43'	Lt.
Island #6	206+24.29	62.43'	Lt.
Island #7	206+85.29	62.43'	Lt.
Island #8	204+41.29	81.57'	Rt.
Island #9	205+02.29	81.57'	Rt.
Island #10	205+63.29	81.57'	Rt.
Island #11	206+24.29	81.57'	Rt.
Island #12	206+85.29	81.57'	Rt.
Island #13	207+46.29	81.57'	Rt.
Island #14	204+41.29	207.57'	Rt.
Island #15	205+02.29	207.57'	Rt.
Island #16	205+63.29	207.57'	Rt.
Island #17	206+24.29	207.57'	Rt.
Island #18	206+85.29	207.57'	Rt.
Island #19	207+46.29	207.57'	Rt.



ISLAND #3-#19
Not To Scale

RADIUS CURB				
Item	Station	Offset	Side	Radius
Radius #1	204+31.29	172.27'	Lt.	5.25'
Radius #2	204+31.29	156.13'	Lt.	6.75'
Radius #3	204+31.29	128.85'	Lt.	6.75'
Radius #4	204+35.41	111.04'	Lt.	9.25'

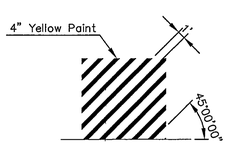
SUMMARY OF PARKING
156 Parking Stalls
8 Handicap Stalls
156 Alt. Parking Stalls

Coordinate Installation of New Electric and Gas Lines With Local Utility Companies. See Mech./Elec. Plans.

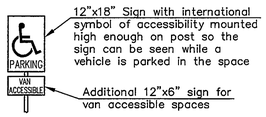
Datum Benchmark
W&C TBM 706 - Square Cut on Top of the North Concrete Hubguard, 8' East of the West End at the Bridge on Magnolia Road over the Smoky Hill River, Approx. 1 mile East of Ohio Street. (Salina Flood Study - May 1977)
Elevation: 1251.37 (NGVD 1929)

≠QUANTITIES (For Information Only)	
Item	Quantity
Protection Curb	6,509 LF
Dump Curb	116 LF
8" Bituminous Pavement	3,218 SY
8" Concrete Pavement	36 SY
6" Bituminous Pavement	12,616 SY
4" Concrete Pavement	356 SY
Handicap Ramp	3 Ea.
Gravel Surfacing	725 SY
Ditch Liner Material	156 SY
18" RCP	44 LF
18" RCP End Section	2 Ea.
Special Trench Compaction	1000 LF
4" White Striping (Painted)	6669 LF
4" Yellow Striping (Painted)	486 LF
Handicap Symbol Blue	8 Ea.
Handicap Parking Sign Post	8 Ea.
Van Accessible Sign	4 Ea.
Seeding	5 Acres

≠Includes Alternate Items on Plans



NO PARKING AREA
Not To Scale



HANDICAP SIGNS
Not To Scale

LEGEND
- Property Line
- Easement
- UGT — Underground Telephone
- Telephone Riser
- Power Pole
- Gas — Gas Line
- Elec — Electrical Line
- 6" W — 6" Water Line
- Water Valve
- Fire Hydrant
- 8" SS — 8" Sanitary Sewer
- Sanitary Sewer Manhole
- MW — Sanitary Sewer Manway
- CO — Sanitary Sewer Cleanout

Scale: 1" = 40'

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

EARLES & RIGGS
ENGINEERS - PLANNERS - LANDSCAPE ARCHITECTS
LINDSBORG, KANSAS
DESIGN: P.W.E. | DRAWN BY: JWR | TECHNO BY: NWK | FILE NO.: 00-32
PETER W. EARLES LICENSED 10395 4/16/02 KANSAS PROFESSIONAL ENGINEER

FIRST COVENANT CHURCH
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-16-02
Sheet: C 1.01

SITE PLAN
FINAL SET

SW Cor. SE/4 Sec. 29–T14S–R2W
Sta. 102+00.00
N 69654.5770; E 35880.7309
Found 5/8" Bar

SE Cor. SE/4 Sec. 29–T14S–R2W
Sta. 128+27.26
N 69679.8957; E 38507.8658
Found 5/8" Bar

10' Esmt.

20' Esmt.

Alt. Ditch Liner Material

Refer to Arch. Sht. for Alt. Storage Bldg.

0.80%

5.00%

5.00%

Grade According to Proposed Contours

Basement Floor
EL 1309.00
(Refer to Arch. Sht.)

Fin. Floor
EL 1322.50
(Refer to Arch. Sht.)

See Det. for EL

Coordinate Installation of New Electric and Gas Lines With Local Utility Companies. See Mech./Elec. Plans.

60' R/W

MAGNOLIA ROAD

Sta. Line =
Sect. Line

Sta. 202+25.00 =
Sta. 116+32.13
N 69668.3784
E 37312.7961

Gravel Drive

TRAFFIC SIGN

Datum Benchmark
W&C TBM 706 – Square Cut on Top of the North Concrete Hubguard, 8' East of the West End at the Bridge on Magnolia Road over the Smoky Hill River, Approx. 1 mile East of Ohio Street. (Salina Flood Study – May 1977)
Elevation: 1251.37 (NGVD 1929)

LEGEND

CL – Centerline of Pavement Elevation
PVT – Edge of Pavement Elevation
TOC – Top of Curb Elevation
TOS – Top of Sidewalk Elevation
---1315--- New Contour
———1315——— Existing Contour

Scale: 1" = 40'

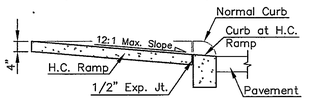
≠EARTHWORK QUANTITIES
(For Information Only)

Item	Quantity
Common Excavation	23,605 CY
Compaction Including 135% Shrinkage	16,261 CY
Vegetation & Organic Topsoil *	6,991 CY
Waste Excavation on Site *	353 CY

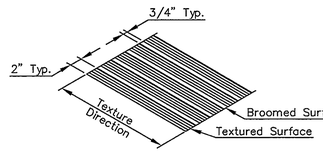
≠Includes Alternate Parking
*Part of Common Excavation

NOTE:
– Typical Grading Next to Surfacing or Curb Consists of 2' Flat With 3:1 Slope to Exist
– Typical Grading to Drain Away from Building at 0.80%
– Non–Typical Grading Indicated on Plans

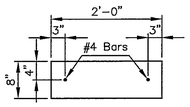
** Indicates Ramp Extends to Pavement Exp. Jt. and Curb Not Required



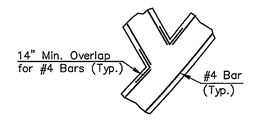
HANDICAP RAMP SECTION
Not to Scale



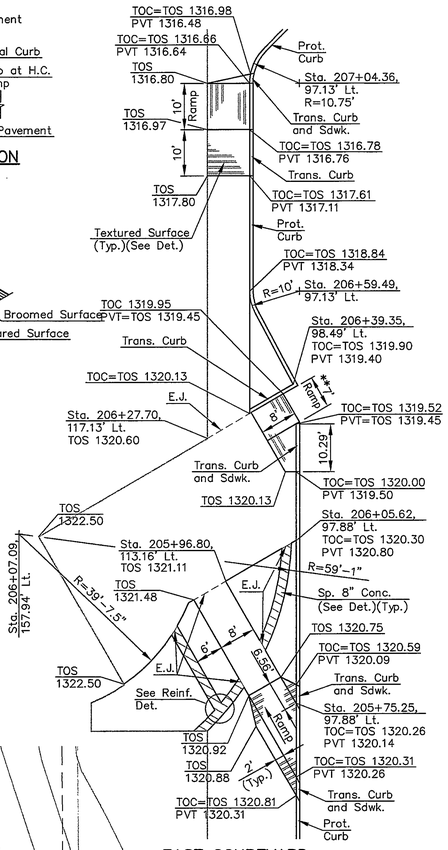
TEXTURED SURFACE
Not to Scale



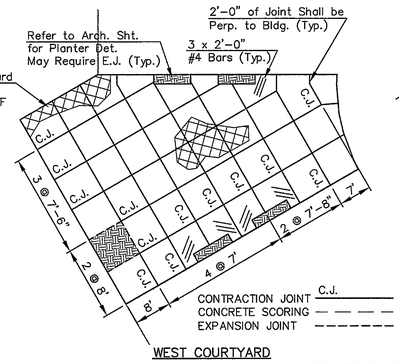
SPECIAL 8" CONCRETE
Not to Scale



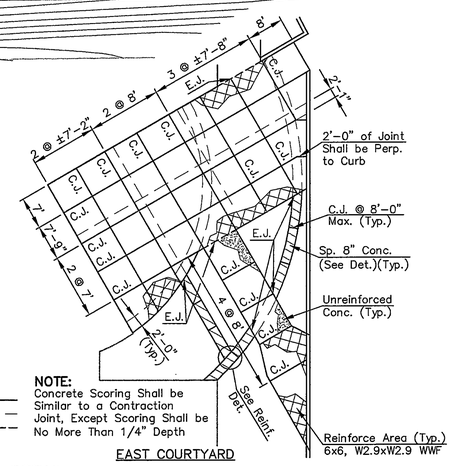
REINFORCING DETAIL
Not to Scale



EAST COURTYARD
Not to Scale



WEST COURTYARD



EAST COURTYARD

NOTE:
Concrete Scoring Shall be Similar to a Contraction Joint, Except Scoring Shall be No More Than 1/4" Depth

JOINTING DETAIL
Not to Scale

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

EARLES & RIGGS
ENGINEERS · PLANNERS · LANDSCAPE ARCHITECTS
LINDSBORG, KANSAS

DESIGN	DRAWN BY	CHKD BY	PROJ. NO.
PWE	JWR	NWK	00–32

PETER W. EARLES LICENSED Peter W. Earles 10393 4/16/02 KANSAS PROFESSIONAL ENGINEER

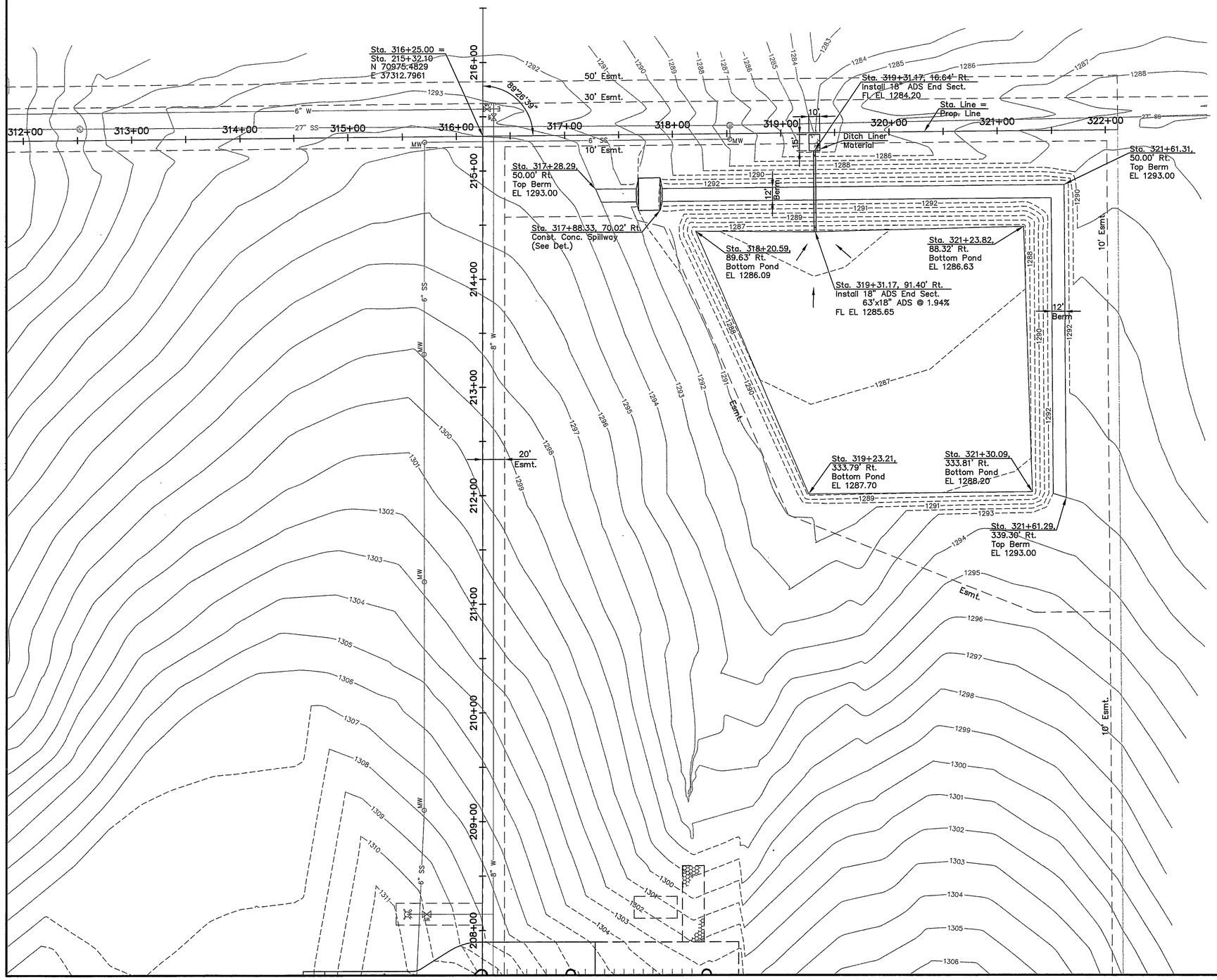
FIRST COVENANT CHURCH

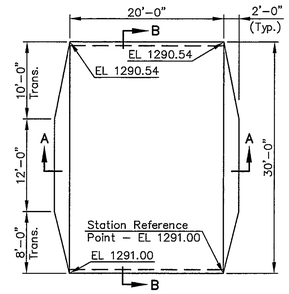
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no:	0100-0160
Date:	4-16-02
Sheet:	C 1.02

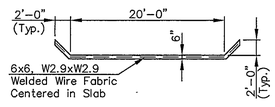
SITE GRADING

FINAL SET

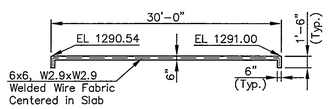




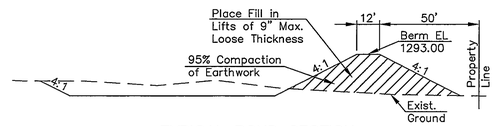
CONCRETE SPILLWAY PLAN
Not To Scale



SECTION A–A
Not To Scale



SECTION B–B
Not To Scale



TYPICAL POND SECTION
(Facing North or West)
Not To Scale

QUANTITIES (For Information Only)	
Item	Quantity
Concrete Spillway	1 Ea.
18" ADS	63 LF
18" ADS End Section	2 Ea.
Ditch Liner Material	17 SY
Seeding	3 Acres

EARTHWORK QUANTITIES (For Information Only)	
Item	Quantity
Common Excavation	6,412 CY
Compaction Including 135% Shrinkage	4,320 CY
Vegetation & Organic Topsoil*	1,951 CY
Waste Excavation on Site*	141 CY

*Part of Common Excavation

N

Scale: 1" = 40'

LEGEND
1315 New Contour
1315 Existing Contour

Datum Benchmark
W&C TBM 706 – Square Cut on Top of the North Concrete Hubguard, 8' East of the West End at the Bridge on Magnolia Road over the Smoky Hill River, Approx. 1 mile East of Ohio Street. (Salina Flood Study – May 1977)
Elevation: 1251.37 (NGVD 1929)

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

EARLES & RIGGS
ENGINEERS - PLANNERS - LANDSCAPE ARCHITECTS
LINDSBORG, KANSAS

DESIGN	DRAWN BY	CHECKED BY	FILE NO.
PWE	JWR	NWK	00–32

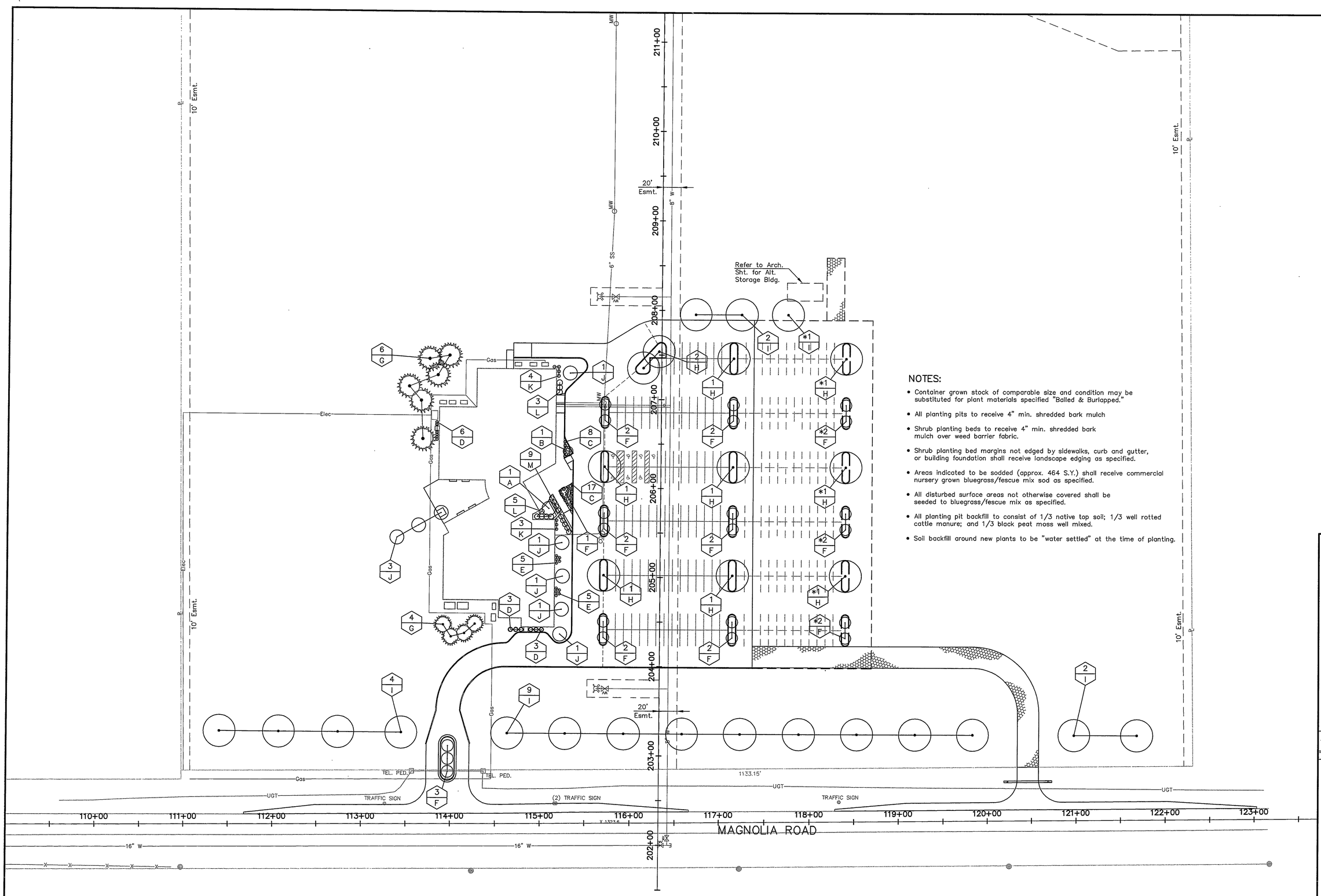
PETER W. EARLES
10995
4/16/02
KANSAS PROFESSIONAL ENGINEER

FIRST COVENANT CHURCH
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no:	0100-0160
Date:	4-16-02
Sheet:	C 1.03

POND PLAN

FINAL SET



NOTES:

- Container grown stock of comparable size and condition may be substituted for plant materials specified "Balled & Burlapped."
- All planting pits to receive 4" min. shredded bark mulch
- Shrub planting beds to receive 4" min. shredded bark mulch over weed barrier fabric.
- Shrub planting bed margins not edged by sidewalks, curb and gutter, or building foundation shall receive landscape edging as specified.
- Areas indicated to be sodded (approx. 464 S.Y.) shall receive commercial nursery grown bluegrass/fescue mix sod as specified.
- All disturbed surface areas not otherwise covered shall be seeded to bluegrass/fescue mix as specified.
- All planting pit backfill to consist of 1/3 native top soil; 1/3 well rotted cattle manure; and 1/3 black peat moss well mixed.
- Soil backfill around new plants to be "water settled" at the time of planting.

PLANT MATERIAL SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	≠NUMBER	SIZE	COND.	REMARKS
A	Bumelia lanquinosa	Chittamwood	1	6–8'	B&B	
B	Cercis canadensis	Redbud	1	2"	B&B	
C	Juniperus chin. Horoz. "Wiltonii"	Wilton Blue Carpet Juniper	25	2 1/2 gal.	cont.	
D	Jun. Chin. Pfitzeriana "Aurea"	Goldtip Pfitzer's Juniper	12	24–30"	B&B	
E	Mahonia aquifolium	Oregon Grape Holly	10	5 gal.	cont.	
F	Malus Spp "Prairie Fire"	Red Flowering Crab	19	2"	B&B	
G	Pinus nigra	Austrian Pine	10	6–8'	B&B	
H	Quercus accutissima	Sawtooth Oak	10	2 1/2"	B&B	
I	Quercus macrocarpa	Bur Oak	18	2 1/2"	B&B	
J	Quercus robur "Fasticata"	Columnar English Oak	8	2"	B&B	
K	Taxus media "Wardi"	Wards Yew	7	5 gal.	cont.	
L	Viburnum rhytidophylum	Leatherleaf Viburnum	8	5 gal.	cont.	
M	Euonymus alatus compactus	Dwarf Burning Bush	9	5 gal.	cont.	

≠Includes Alternate Plants on Plan

LEGEND

Alternate Plants — *2 / L — Number of Plants / Plant Code

New Deciduous Plant

New Coniferous Plant

E & R

Scale: 1" = 40'

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

EARLES & RIGGS
ENGINEERS · PLANNERS · LANDSCAPE ARCHITECTS
LINDSBORG, KANSAS

DESIGN	DRAWN BY	CHECKED BY	FILE NO.
PWE	JWR	NWK	00-32

PETER W. EARLES LICENSED 10393 4/19/02 KANSAS PROFESSIONAL ENGINEER

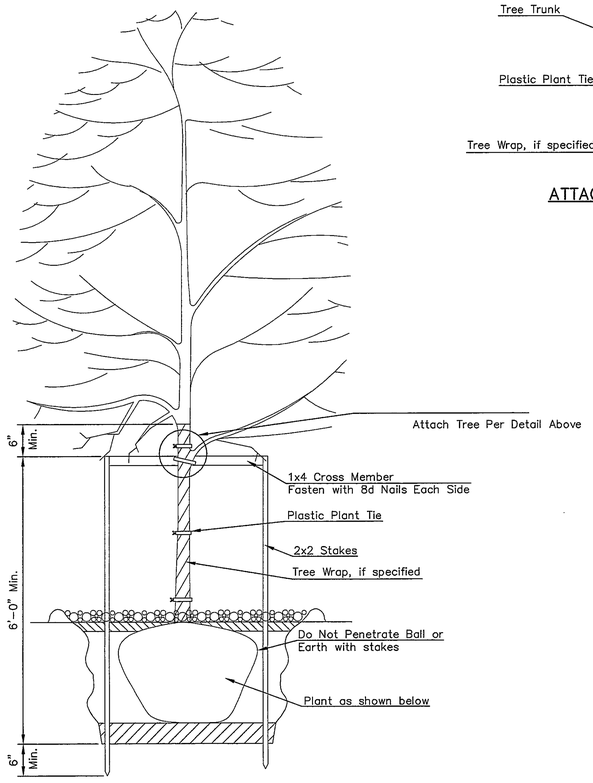
FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no:	0100-0160
Date:	4-16-02
Sheet:	C 1.04

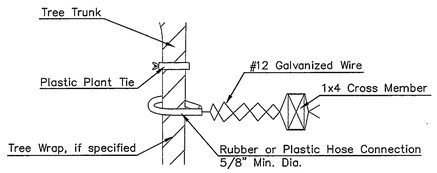
PLANTING PLAN

FINAL SET



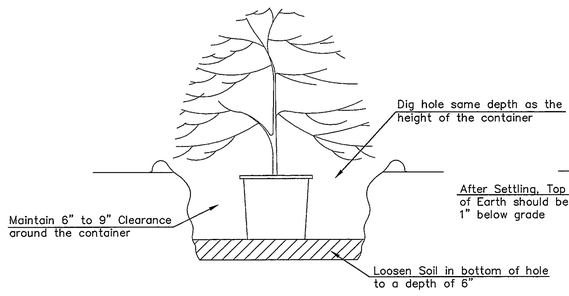
STAKING AND WRAPPING DETAIL:
BALLED AND BURLAPPED
SHADE AND ORNAMENTAL TREES

Not to Scale

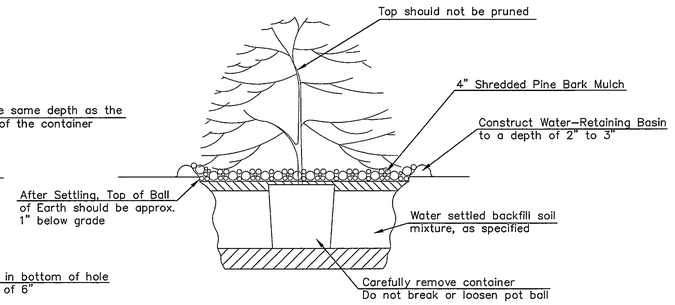


ATTACHMENT DETAIL

Not to Scale



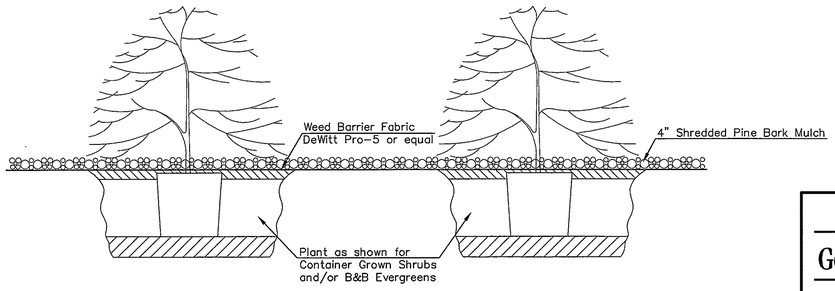
STEP 1



STEP 2

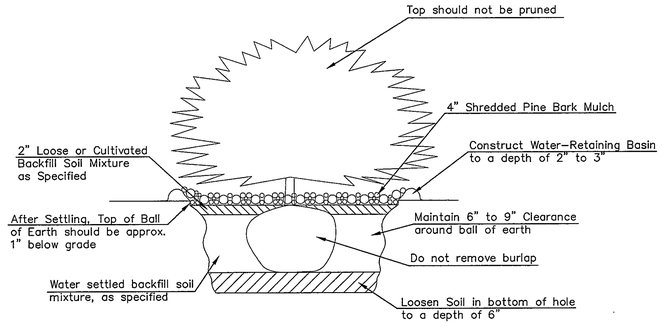
PLANTING DETAIL:
CONTAINER-GROWN NURSERY STOCK

Not to Scale



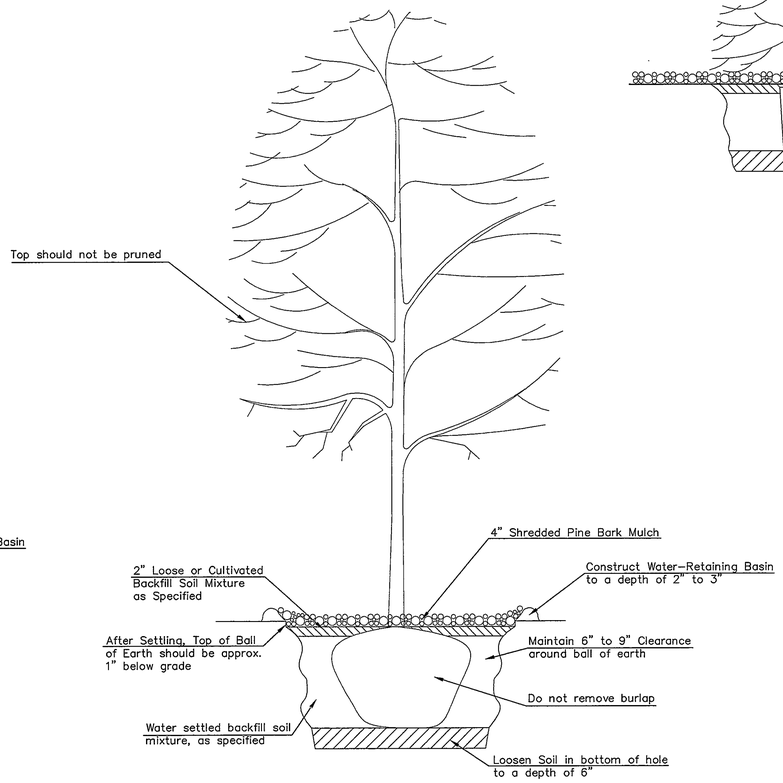
PLANTING DETAIL:
SHRUB PLANTING BED

Not to Scale



PLANTING DETAIL:
BALLED AND BURLAPPED EVERGREENS

Not to Scale



PLANTING DETAIL:
BALLED AND BURLAPPED
SHADE AND ORNAMENTAL TREES

Not to Scale

Gould Evans Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

EARLES & RIGGS
ENGINEERS · PLANNERS LANDSCAPE ARCHITECTS
LINDSBORG, KANSAS
DESIGN: PWE | DRAWN BY: JWR | CHECKED BY: NWK | FILE NO.: 00-32

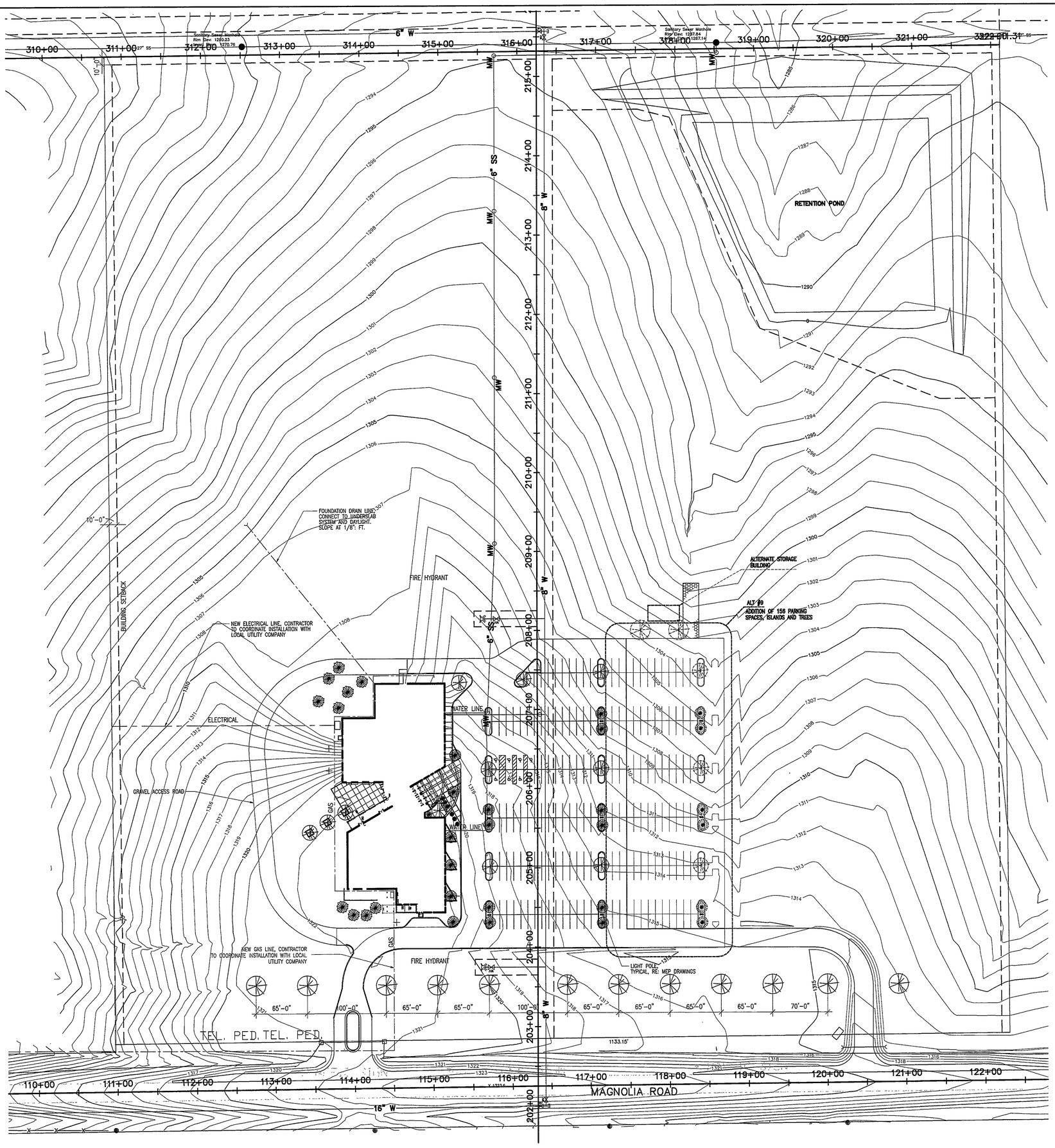
PETER W. EARLES
LICENSED
10393
4/16/02
KANSAS
PROFESSIONAL ENGINEER

FIRST COVENANT CHURCH
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no:	0100-0160
Date:	4-16-02
Sheet:	C 1.05

PLANTING DETAILS

FINAL SET



NORTH

SITE PLAN 1

AS101-1 1"= 50'-0"

Gould
Evans
Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

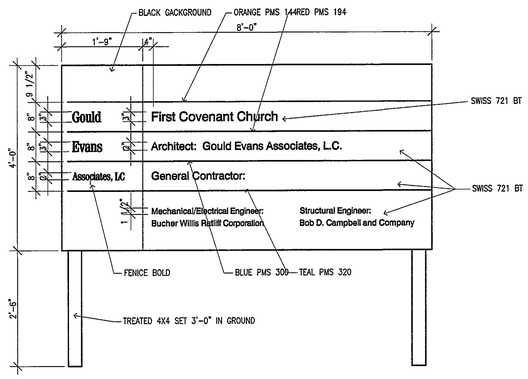
FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

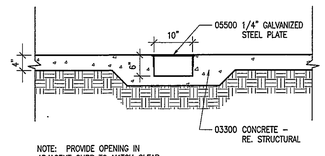
Project no: 0100-0160
Date: April 15, 2002
Sheet:

SITE PLAN
AS101
Bid Set

GENERAL NOTES: SIGN TO BE 3/4" MARINE GRADE PLYWOOD. PRIME AND PAINT 2 COATS WHITE ACRYLIC ENAMEL. PAINT ALL SIDES AND EDGES. ALL LETTERS TO BE BLACK VINYL CUT EXCEPT FOR LETTERS ON BLACK BACKGROUND WHICH ARE TO BE WHITE VINYL CUT. ALL LINES ARE COLORED AND 3/8" THICK.

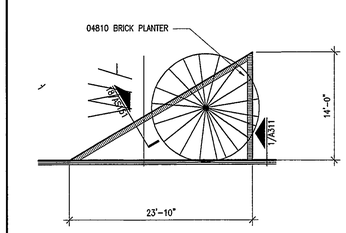


JOB SIGN ELEVATION 19
1/8"=1'-0"

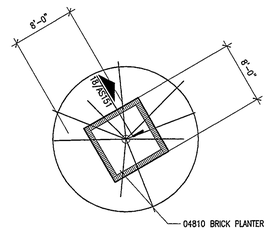


NOTE: PROVIDE OPENING IN ADJACENT CURB TO MATCH CLEAR DIMENSION OF DRAIN OPENING.

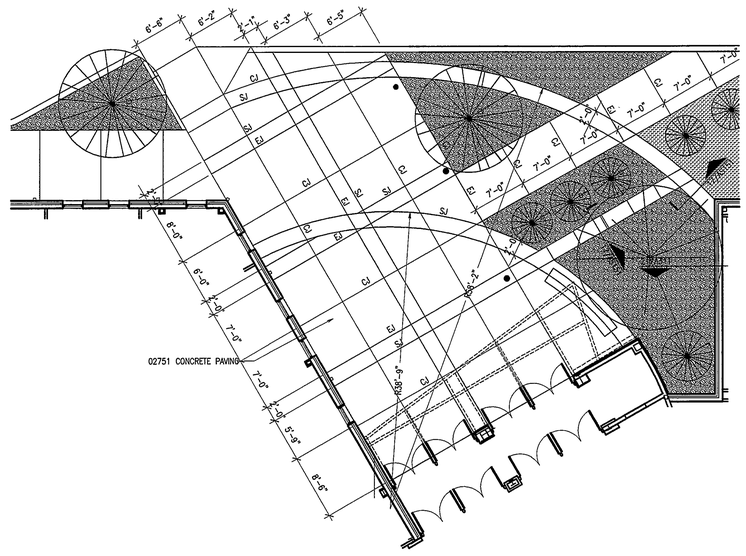
TRENCH DRAIN DETAIL 14
3/4"=1'-0"



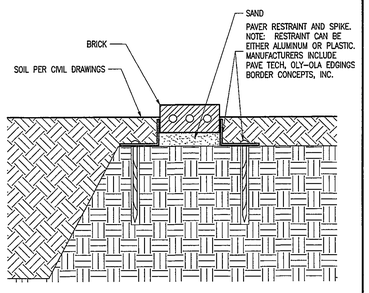
PLANTER DETAIL 10
1/8"=1'-0"



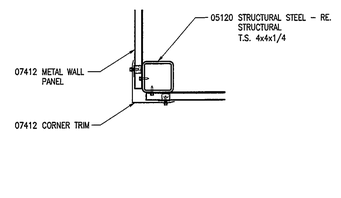
PLANTER DETAIL 5
1/8"=1'-0"



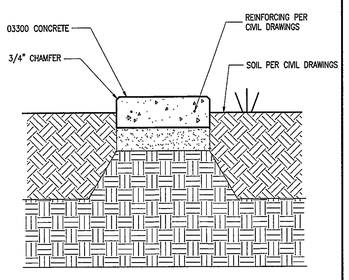
ENLARGED PARTIAL SITE PLAN 3
1/8"=1'-0"



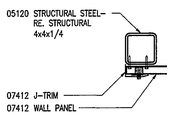
SECTION 18
1 1/2"=1'-0"



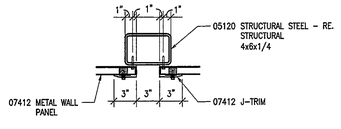
MECH. UNIT SCREEN DETAIL 13
INCLUDED IN ALTERNATE #5
1 1/2"=1'-0"



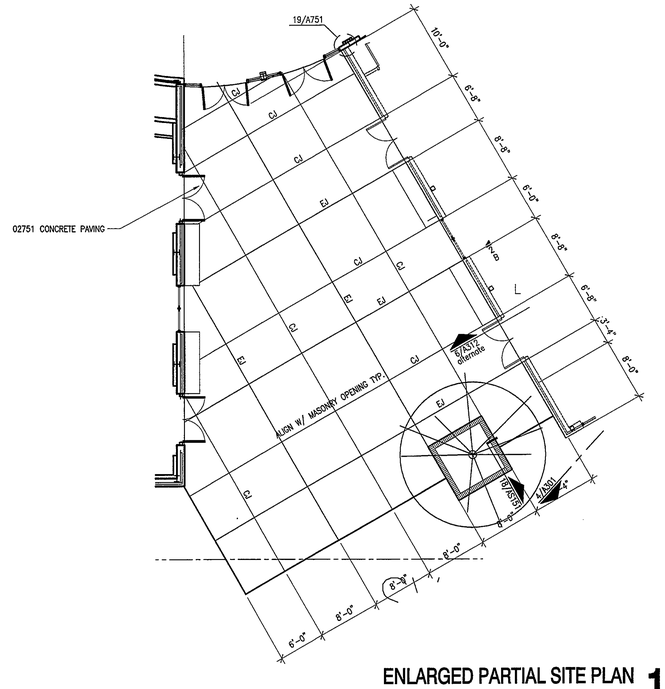
SECTION 17
3/4"=1'-0"



MECH. UNIT SCREEN DETAIL 12
INCLUDED IN ALTERNATE #5
1 1/2"=1'-0"



MECH. UNIT SCREEN DETAIL 11
INCLUDED IN ALTERNATE #5
1 1/2"=1'-0"



ENLARGED PARTIAL SITE PLAN 1
1/8"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

SITE DETAILS
AS151
Bid Set

PLAN NOTES

1. 10651– OPERABLE PARTITION, COORDINATE POCKET SIZE WITH SPECIFIC PANEL MANUFACTURER REQUIREMENTS.
2. 10914– HOOKS FOR CHILDREN HEIGHT ABOVE FINISH FLOOR. RE: 15/A522 AND HEIGHTS AS INDICATED ON PLANS
3. 11132– 8' PROJECTION SCREEN
4. MOP SINK IN JANITOR'S CLOSET, WRAP WALL ADJACENT TO SINK IN MELAMINE TO 34" A.F.F. CAULK ALL EDGES
5. 12" DEEP PLYWOOD SHELVING, SUPPORT W/ STANDARDS @ 30" O.C. FLOOR TO CEILING.
6. DUCT PENETRATION: PROVIDE OPENING IN MASONRY AND CONCRETE, (IF APPLICABLE) PER SIZE INDICATED. NOTE: VERTICAL DIMENSIONS ARE APPROXIMATE BRICK COURSING. ADJUST SIZE AS REQUIRED FOR DUCT AND COURSING REQUIREMENTS. RE: 14 & 19/A311

LOWER LEVEL PLAN 2
NORTH 1/8"=1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

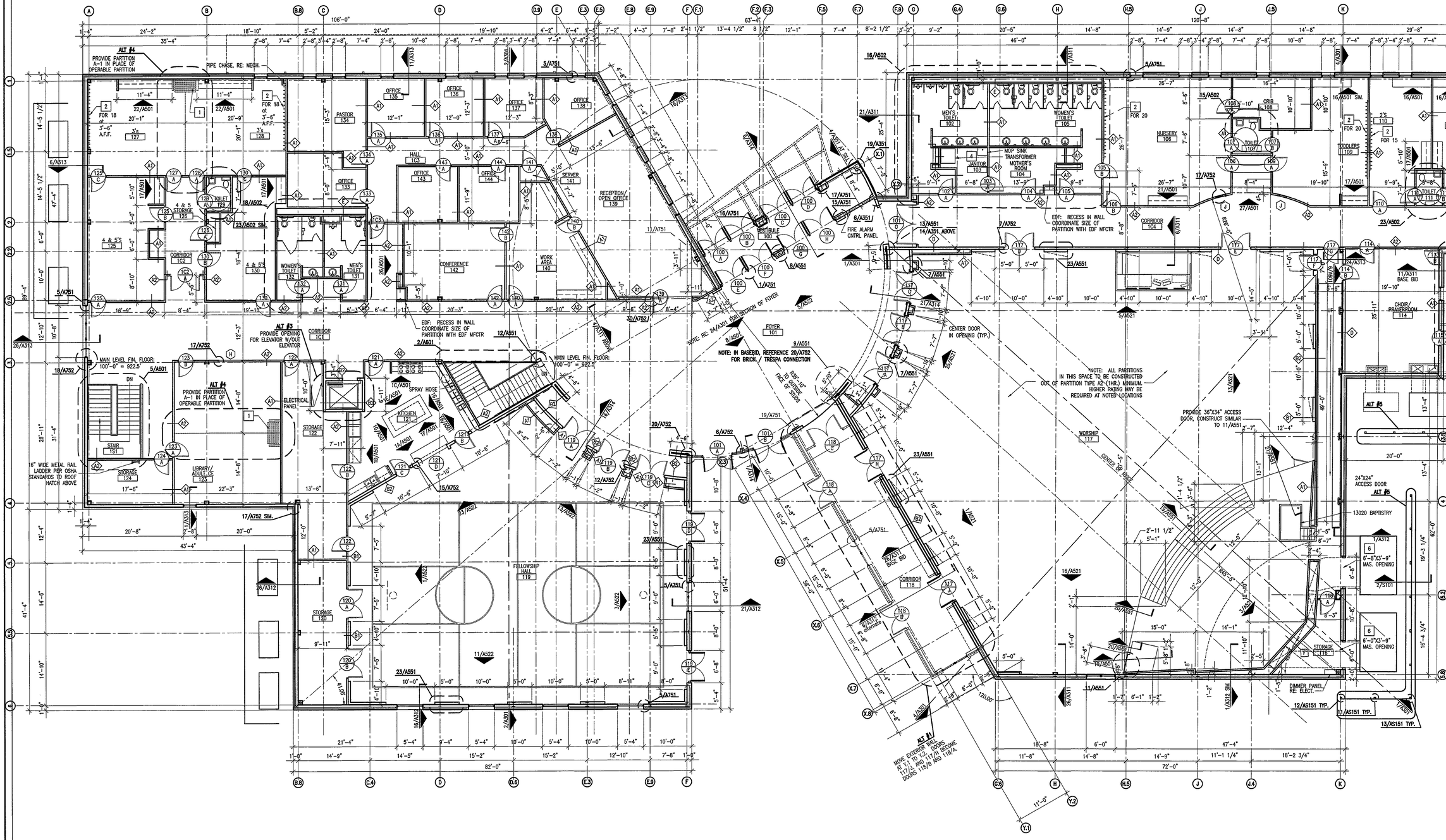
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

LOWER LEVEL PLAN

A101

Bid Set



Gould Evans Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

MAIN LEVEL PLAN

A102

Bid Set

MAIN LEVEL PLAN 1
1/8"=1'-0"

ALT #5
ROOF TOP UNIT SCREENS

07552 MODIFIED BITUMINOUS ROOFING

07311 ASPHALT SHINGLES
*NOTE: SEE ALTERNATE LIST; STEEL SHINGLES

07720 ROOF HATCH

5" WIDE X 6 1/4" DEEP GUTTER

NOTE, EXTEND DOWNSPOUT ON NORTH FACE TO DRAIN ON WEST SIDE OF SLOPE

NOTE, DRAIN DOWNSPOUT ON SOUTH FACE

NOTE, EXTEND DOWNSPOUT ON SOUTH FACE TO DRAIN ON WEST SIDE OF SLOPE

NOTE: CANOPY FRAMING DIMENSIONS SHOWN TO THE CENTER LINE OF FRAMING MEMBERS

CANOPY FRAMING SHOWN DASHED

*NOTE: SECONDARY UNDERLAYMENT AT PERIMTER AND RIDGE OF SHINGLED AREAS

RIDGE

CENTER OF RIDGE

SLOPE STRUCTURE 1/4" : FT.

SLOPE STRUCTURE 2 1/4" : 12"

SLOPE STRUCTURE 3 1/2" : 12"

SLOPE 7/4":12"

4258 s.f.

5256 s.f.

1152 s.f.

436 s.f.

537 s.f.

918 s.f.

1161 s.f.

1148 s.f.

1363 s.f.

584 s.f.

793s.f.

9644 s.f.

Storm Drain

ROOF PLAN NOTES

1. 07620 DOWNSPOUT: 5" DIA. AT SLOPED ROOFS
   8" DIA. AT EAST FACE PARAPETS
   6" DIA. AT WEST FACE PARAPETS
   RE: ELEVATIONS FOR ADDITIONAL LOCATION INFORMATION
   PROVIDE SPLASH BLOCK AT BASE OF EACH DOWNSPOUT
2. CRICKET: SLOPE @ 1/4" : FT.
3. GUTTER 5" WIDE X 6 1/4" DEEP, TYP.
4. SCUPPER AND CONDUCTER HEAD. LOCATE PER ELEVATIONS

ROOF PLAN 1
1/8"=1'-0"
NORTH

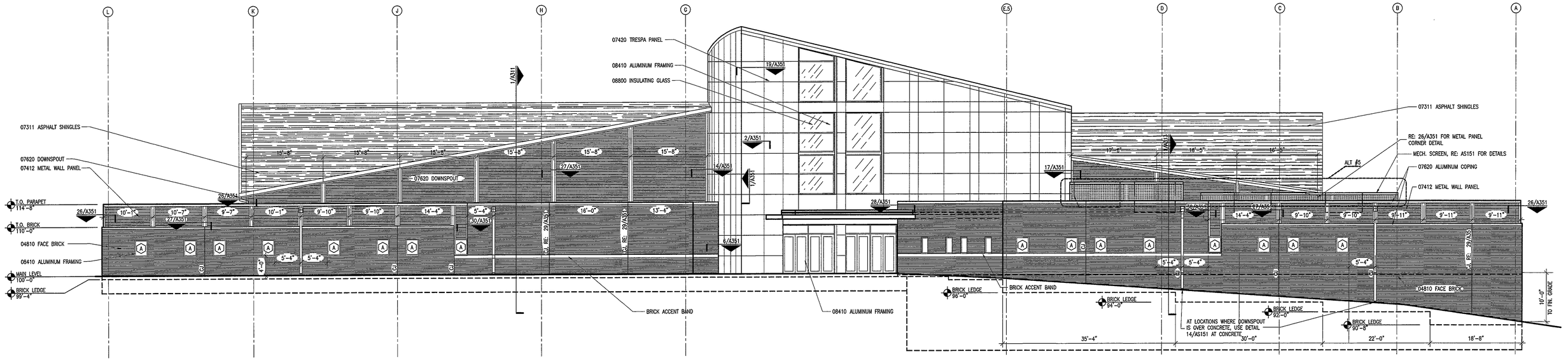
Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

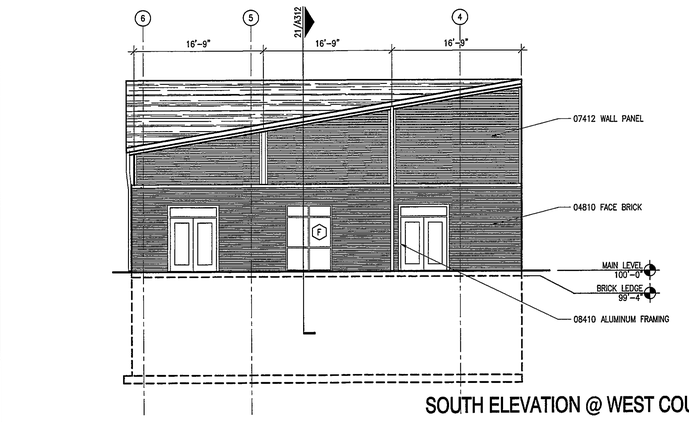
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

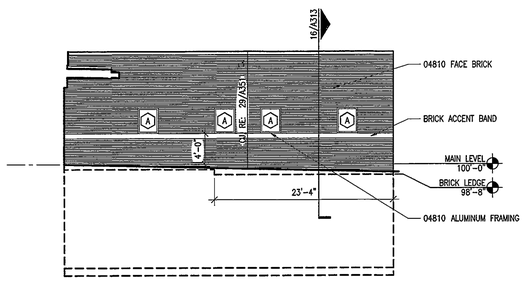
ROOF PLAN
A103
Bid Set



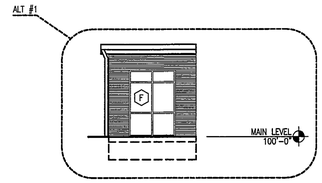
EAST ELEVATION 4
1/8"=1'-0"



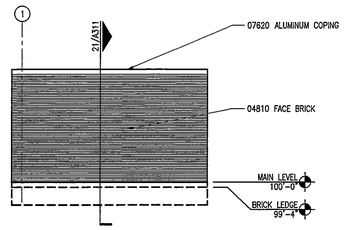
SOUTH ELEVATION @ WEST COURTYARD 23
1/8"=1'-0"



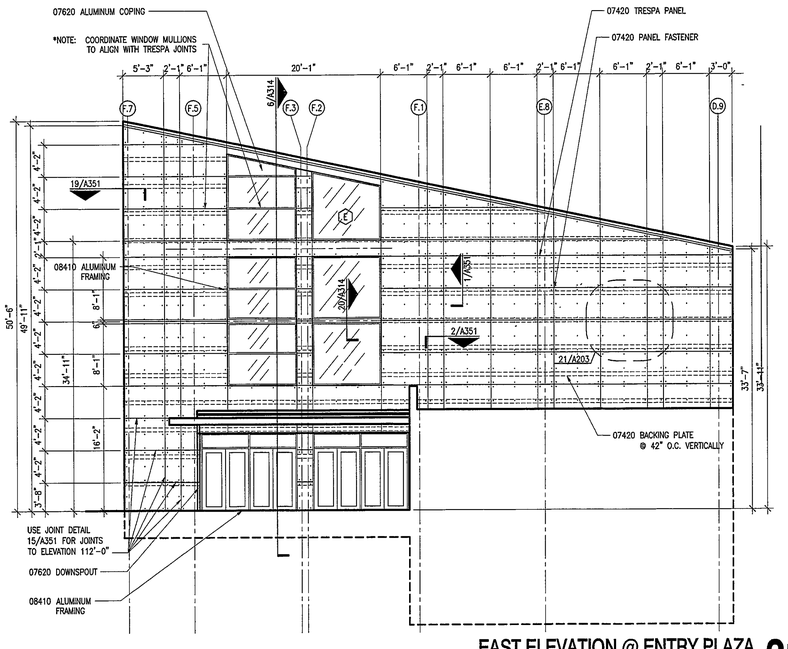
SOUTH ELEVATION @ ENTRY PLAZA 13
1/8"=1'-0"



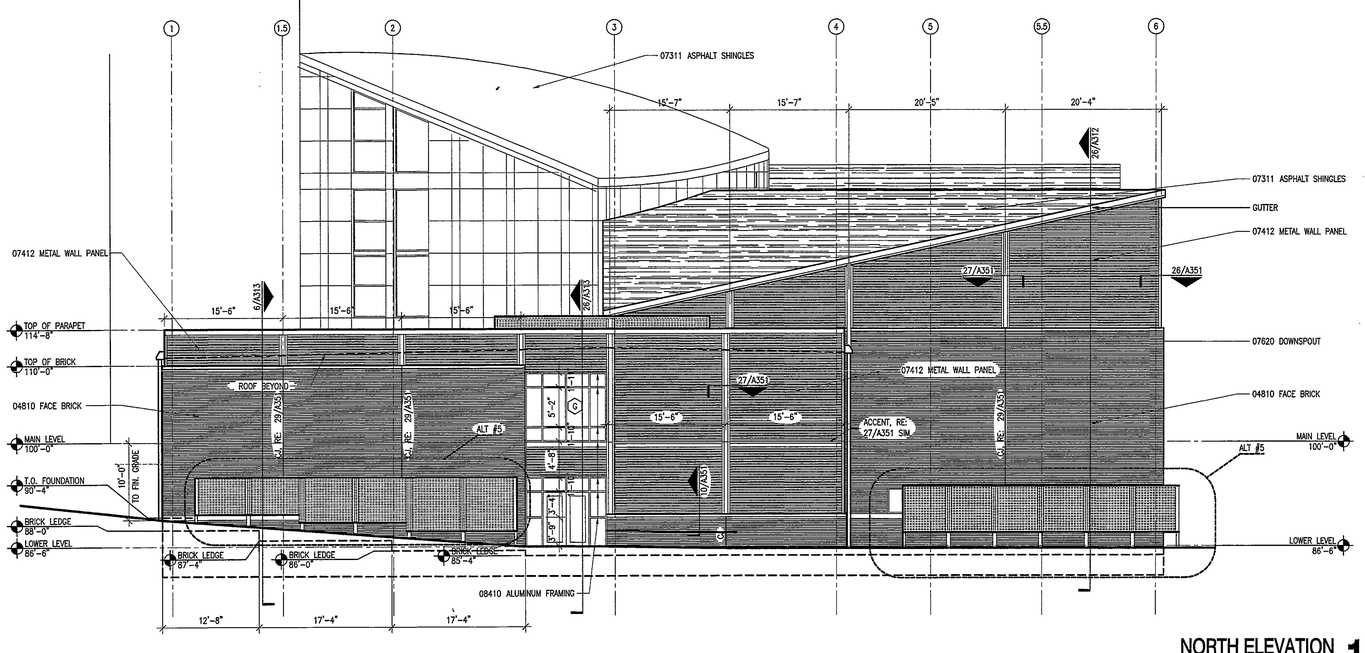
ALTERNATE WEST ELEVATION @ WEST COURTYARD 8
1/8"=1'-0"



NORTH ELEVATION @ ENTRY PLAZA 3
1/8"=1'-0"



EAST ELEVATION @ ENTRY PLAZA 21
1/8"=1'-0"



NORTH ELEVATION 1
1/8"=1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

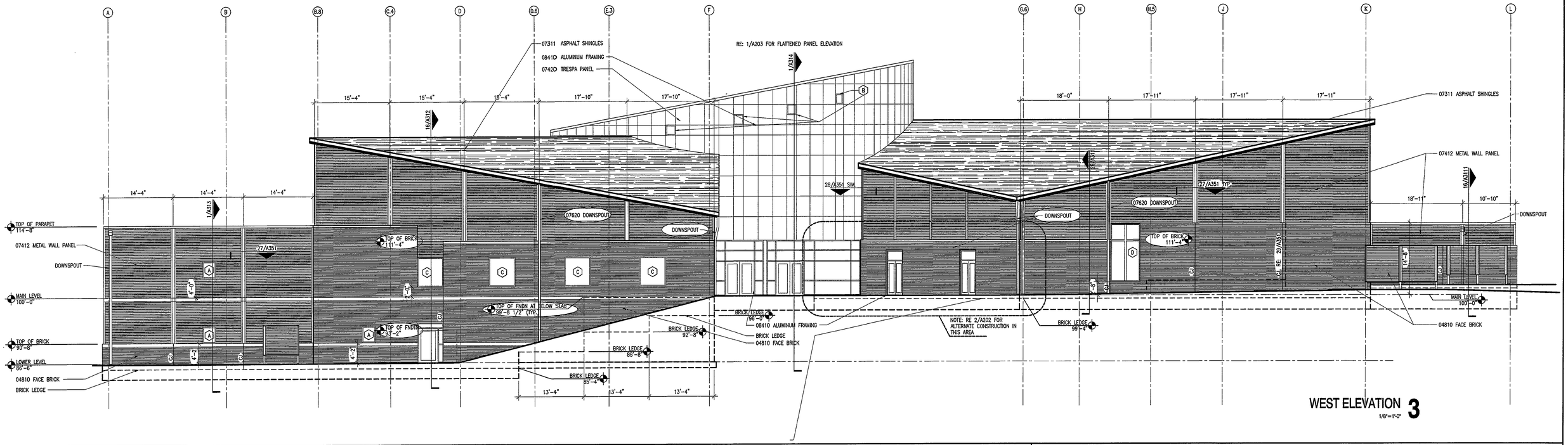
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

EXTERIOR ELEVATIONS

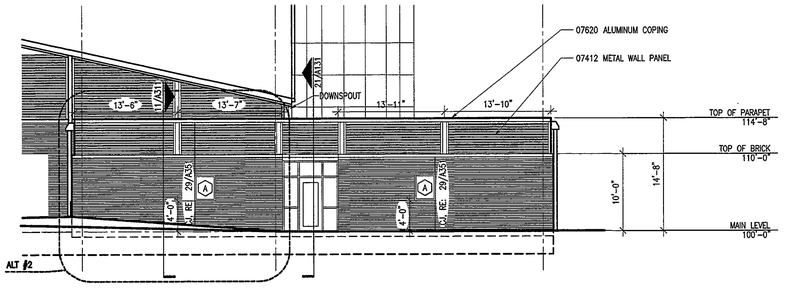
A201

Bid Set



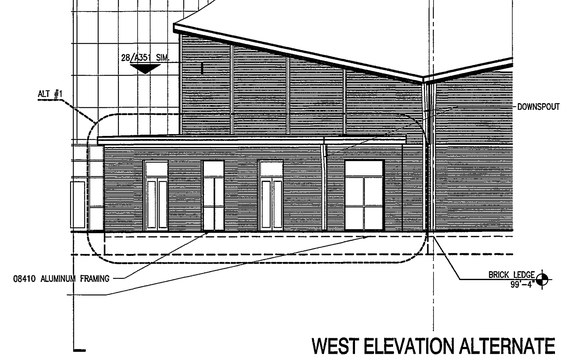
WEST ELEVATION 3

1/8"=1'-0"



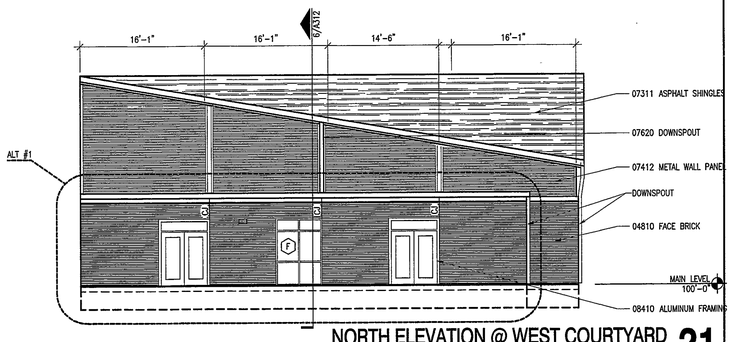
SOUTH ELEVATION ALTERNATE 7

1/8"=1'-0"



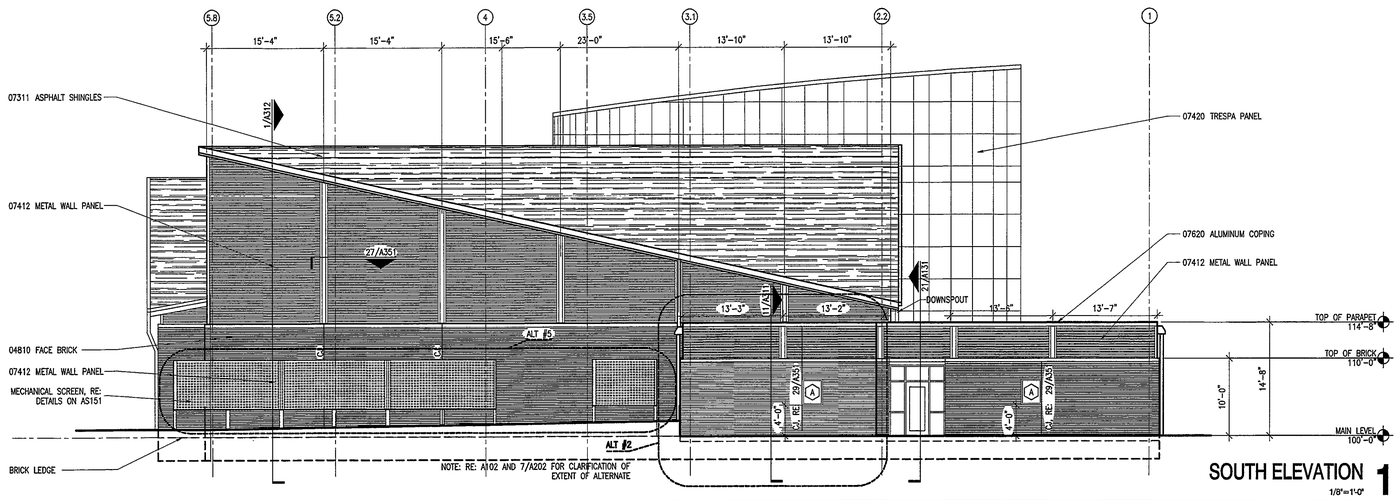
WEST ELEVATION ALTERNATE 2

1/8"=1'-0"



NORTH ELEVATION @ WEST COURTYARD 21

1/8"=1'-0"



SOUTH ELEVATION 1

1/8"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

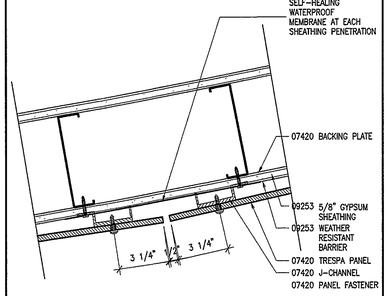
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

EXTERIOR ELEVATIONS

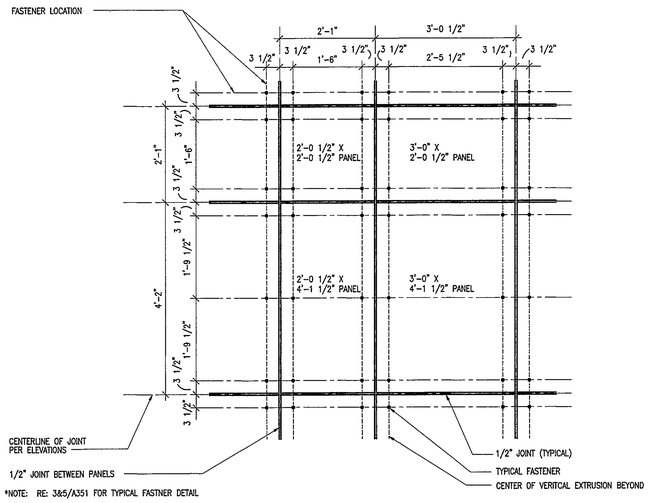
A202

Bid Set



TYPICAL FASTENER @ RADIUS WALL 25

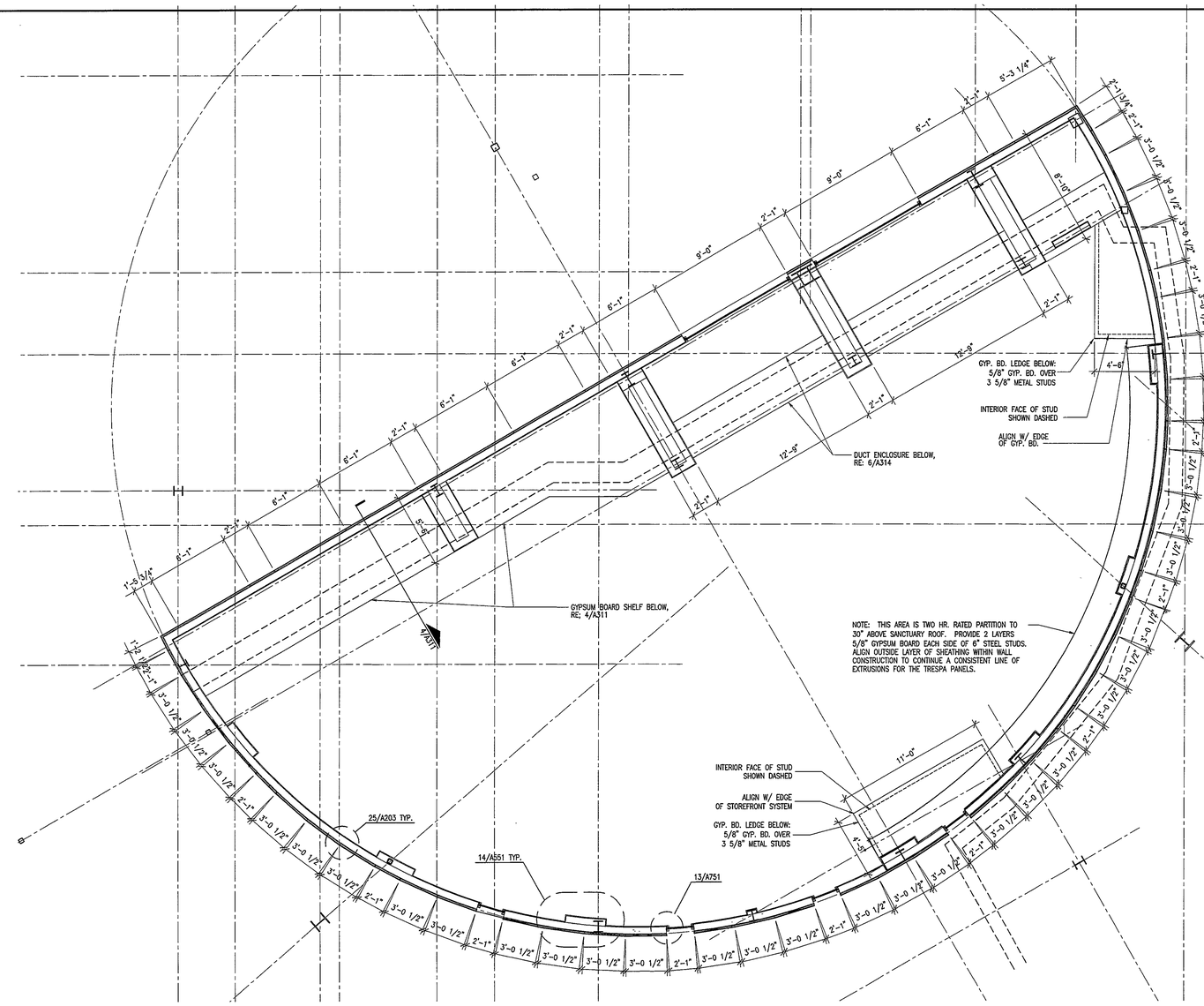
3" = 1'-0"



*NOTE: RE: 3&5/A351 FOR TYPICAL FASTNER DETAIL

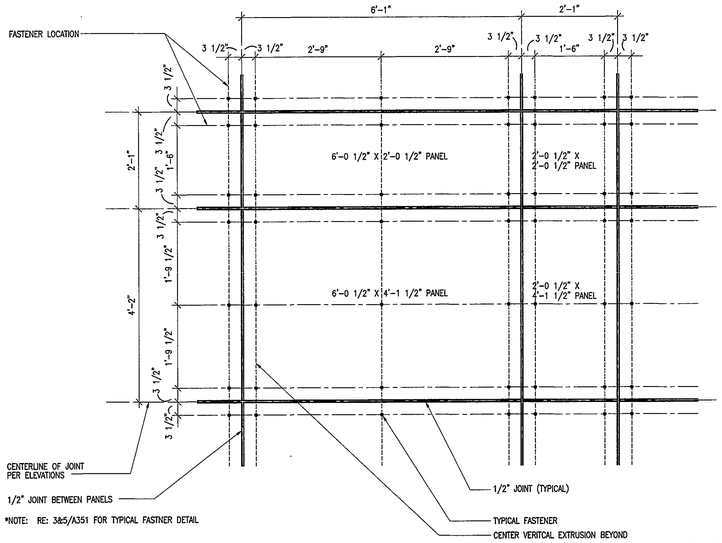
WEST PANEL ELEVATIONS 23

3/4" = 1'-0"



ENLARGED FOYER PLAN 2

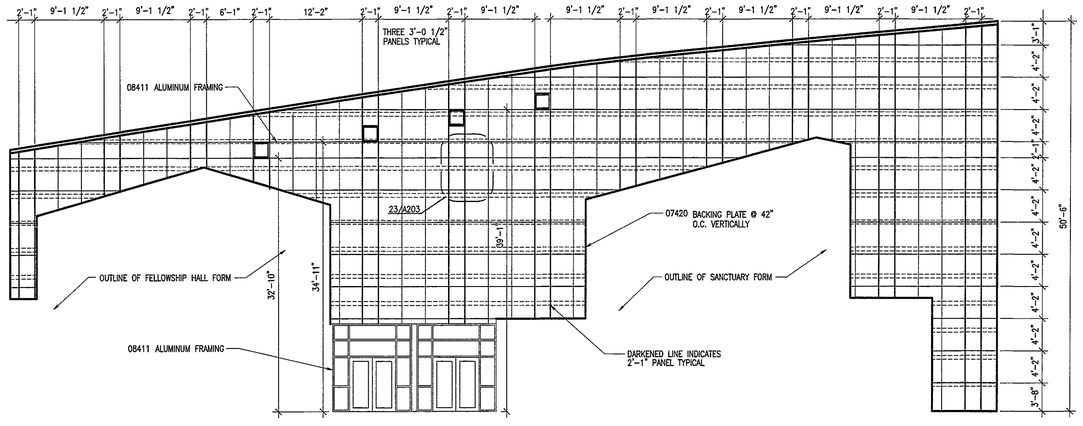
1/4"=1'-0"



*NOTE: RE: 3&5/A351 FOR TYPICAL FASTNER DETAIL

EAST PANEL ELEVATIONS 21

3/4"=1'-0"



WEST ELEVATION @ FOYER (FLATTENED) 1

1/8"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

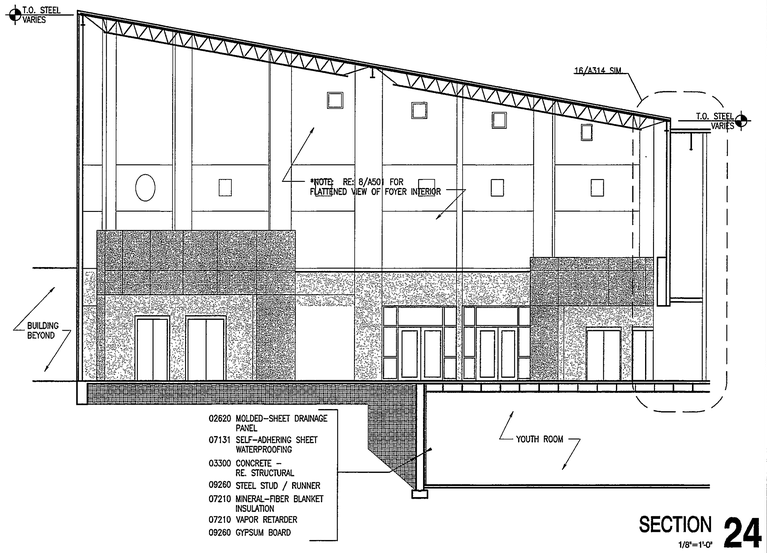
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

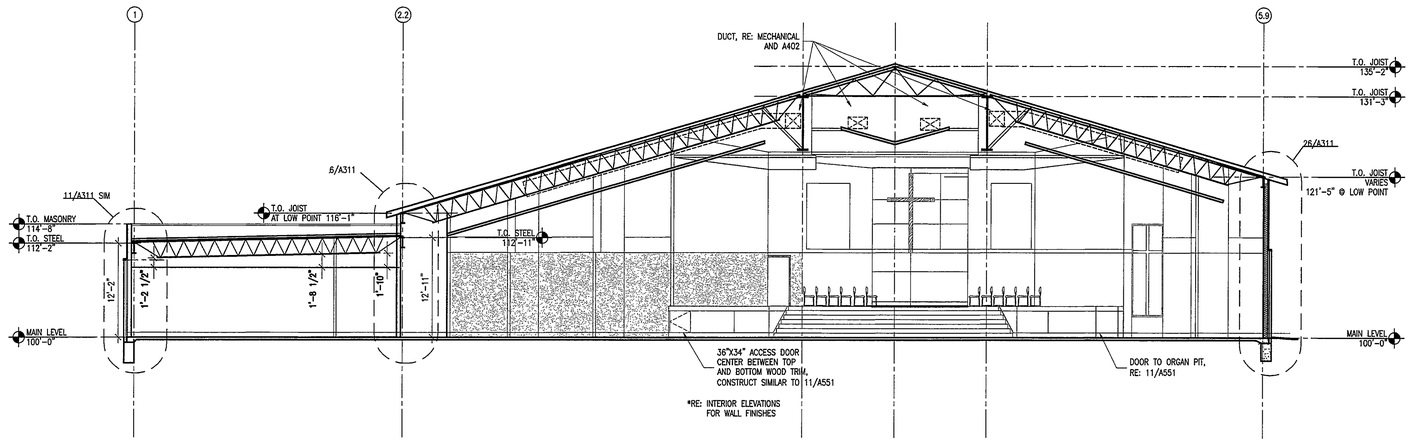
EXTERIOR ELEVATIONS

A203

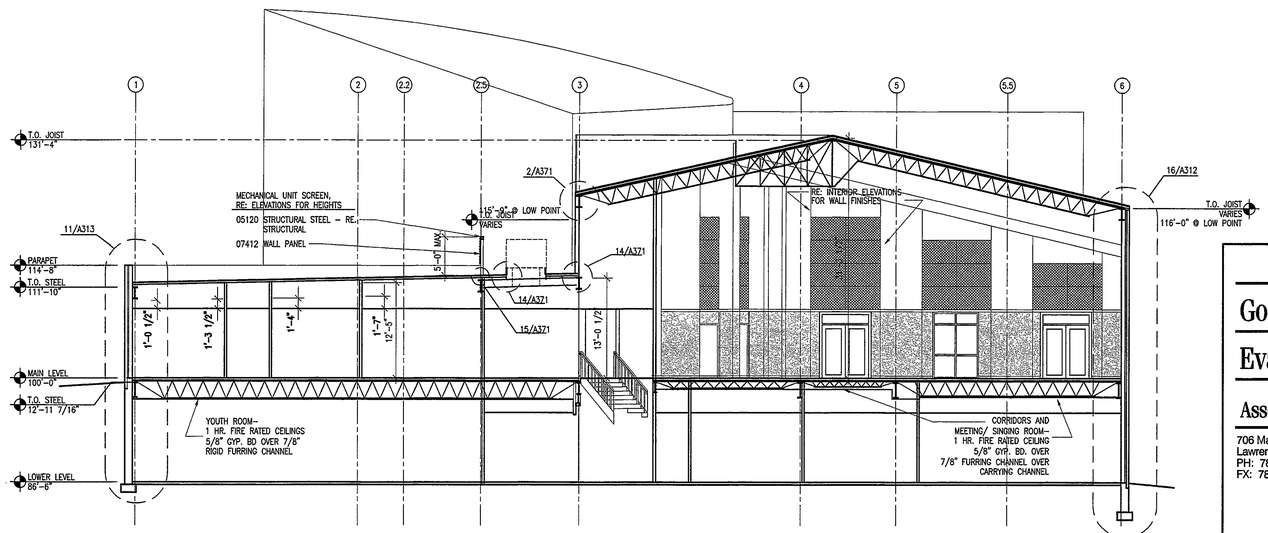
Bid Set



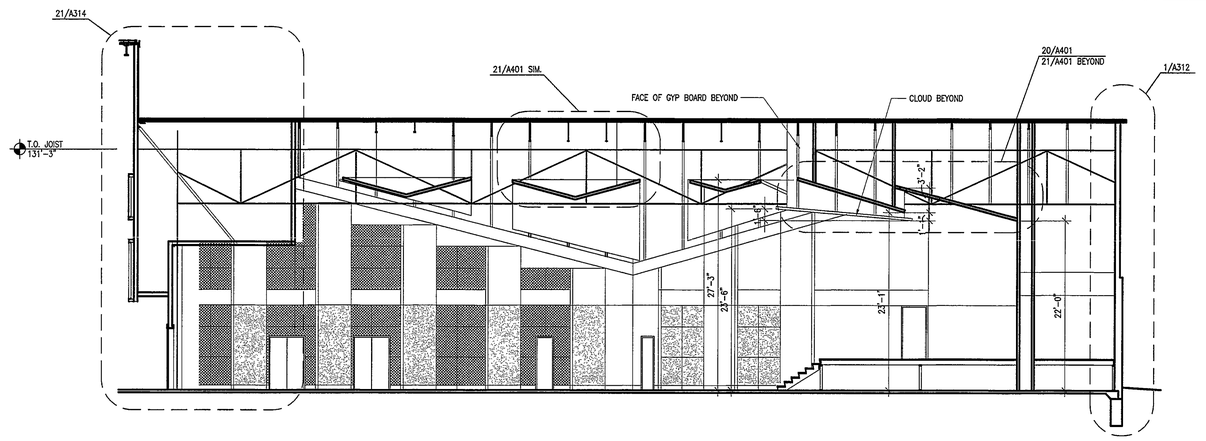
SECTION 24
1/8"=1'-0"



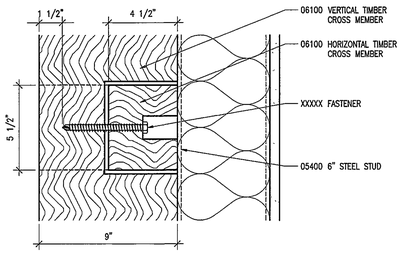
SECTION 4
1/8"=1'-0"



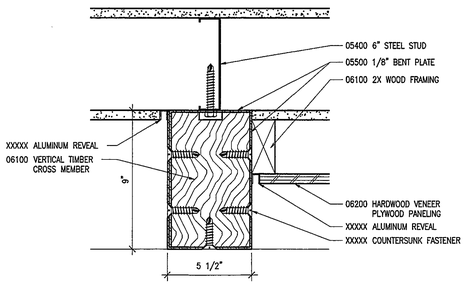
SECTION 2
1/8"=1'-0"



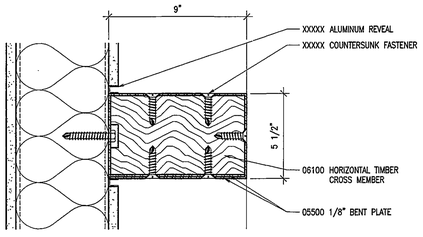
SECTION 1
1/8"=1'-0"



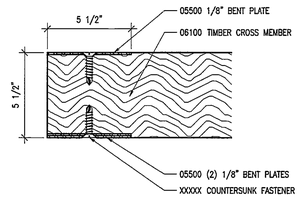
SECTION 27
3"=1'-0"



SECTION 22
3"=1'-0"



SECTION 26
3"=1'-0"



SECTION 21
3"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

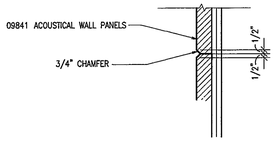
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

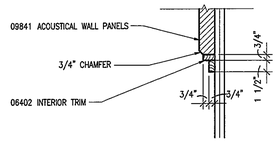
BUILDING SECTIONS

A301

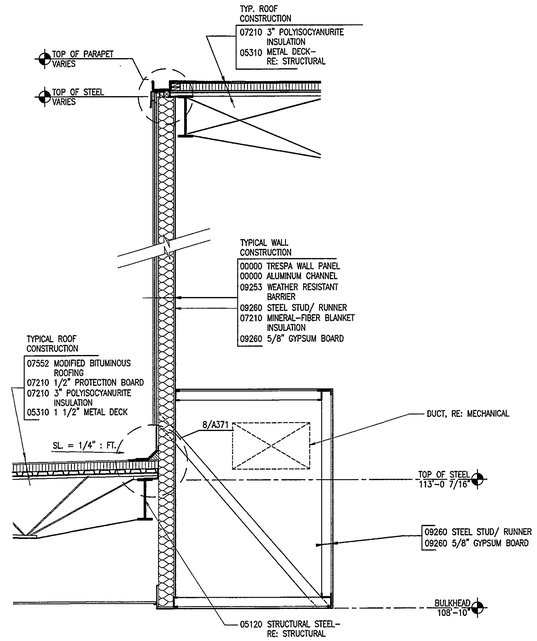
Bid Set



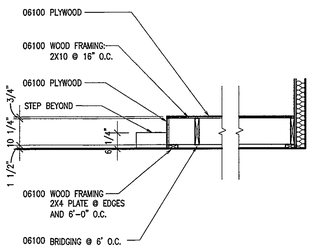
SECTION: TYP. ACOUST. PANEL JOINT 20
1 1/2"=1'-0"



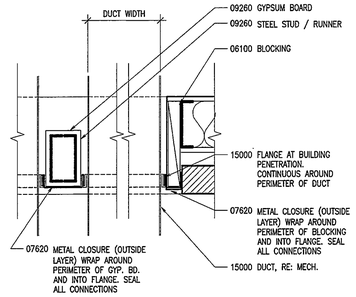
SECTION 15
1 1/2"=1'-0"



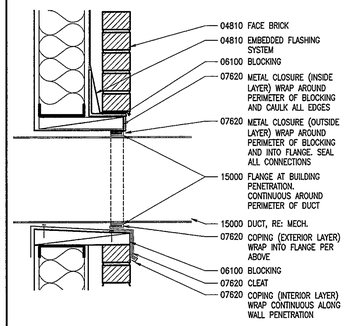
SECTION 4
1/2"=1'-0"



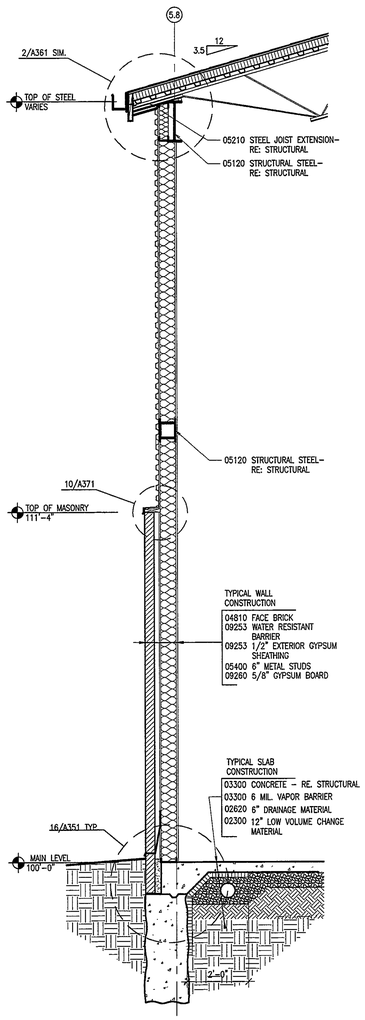
SECTION 24
1/2" = 1'-0"



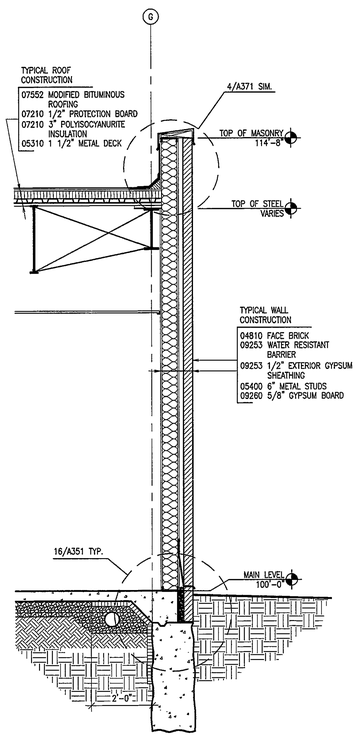
SECTION 19
1 1/2"=1'-0"



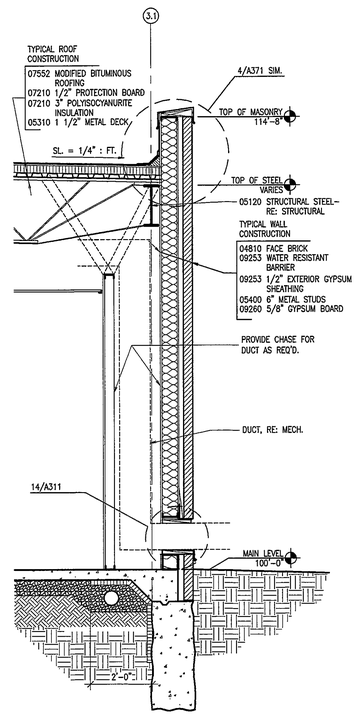
SECTION 14
1 1/2"=1'-0"



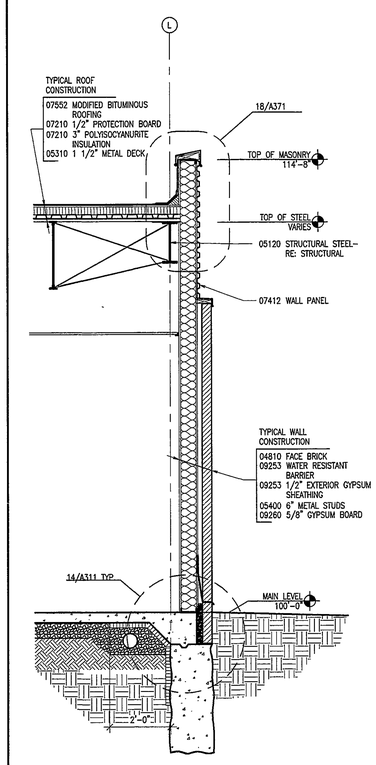
SECTION 26
1/2" = 1'-0"



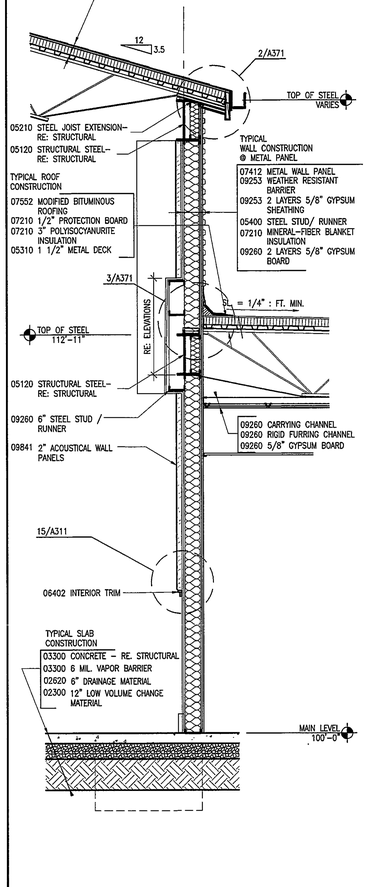
SECTION 21
1/2" = 1'-0"



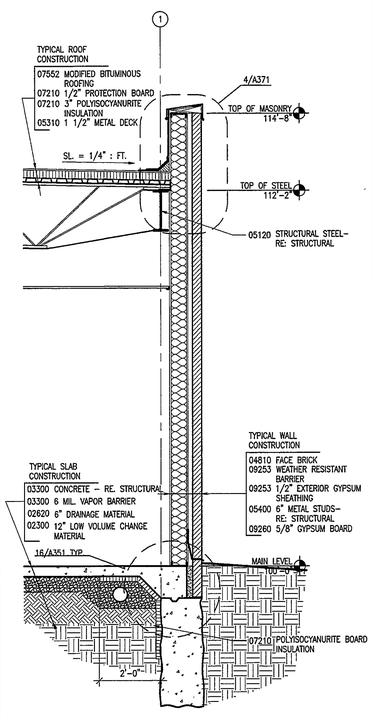
SECTION 16
1/2" = 1'-0"



SECTION 11
1/2" = 1'-0"



SECTION 6
1/2" = 1'-0"



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

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

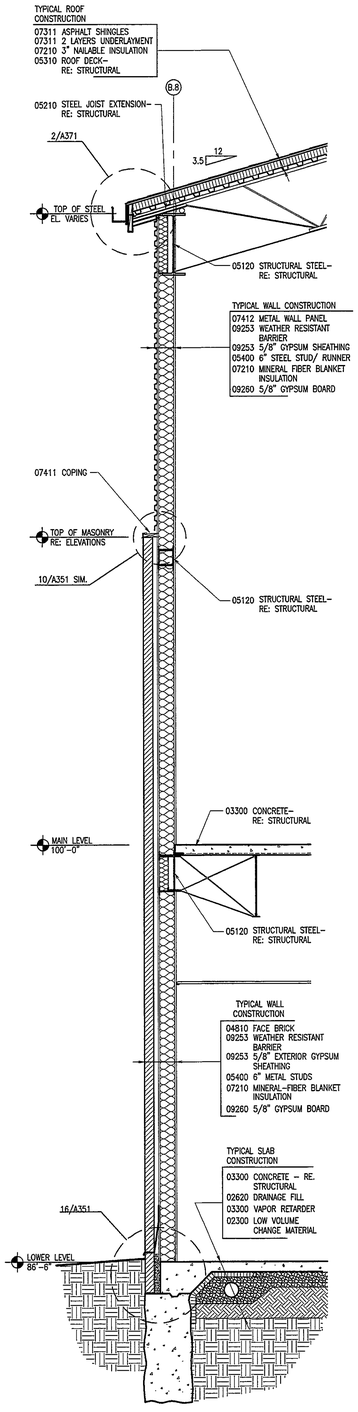
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

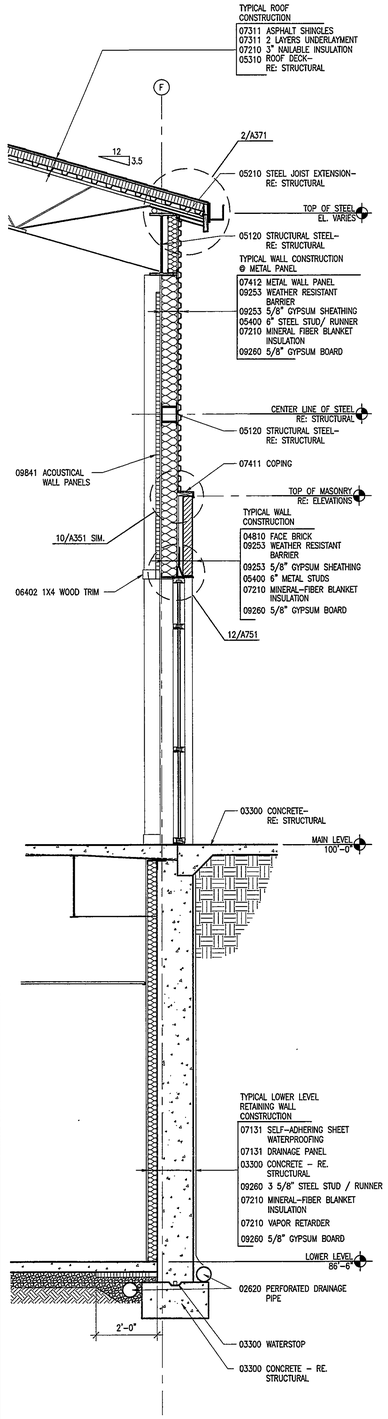
WALL SECTIONS

A311

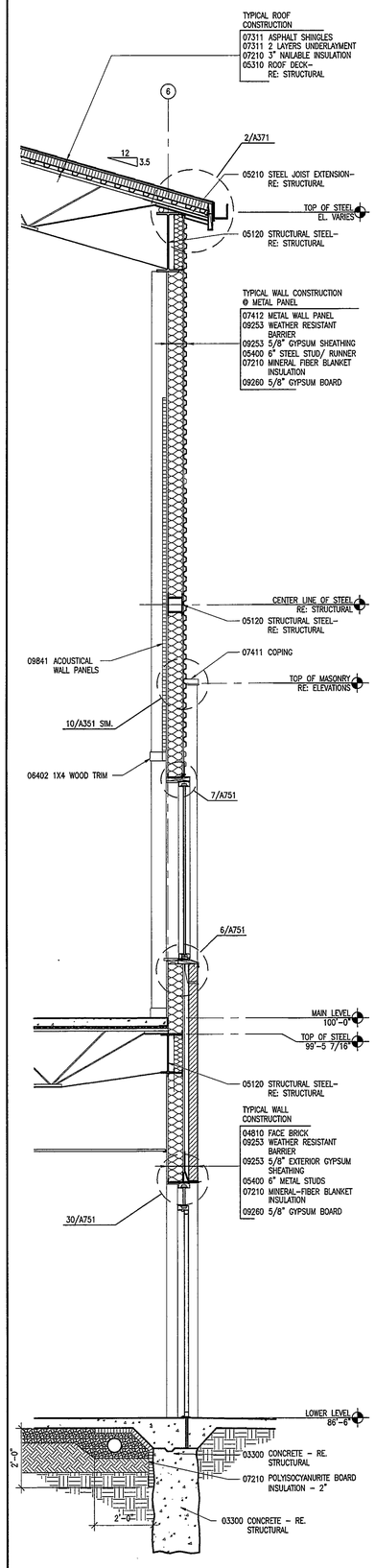
Bid Set



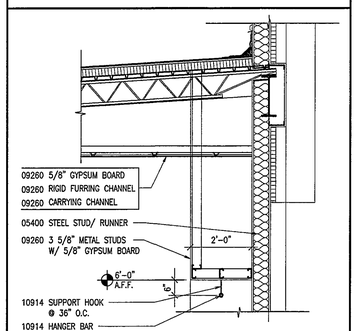
SECTION 26
1/2"=1'-0"



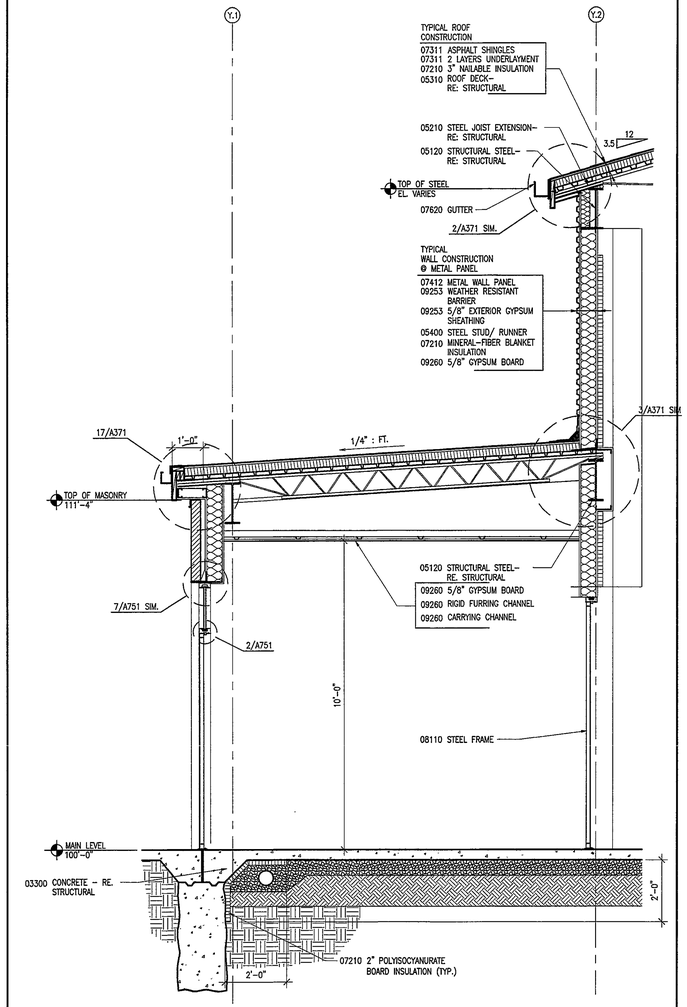
SECTION 21
1/2"=1'-0"



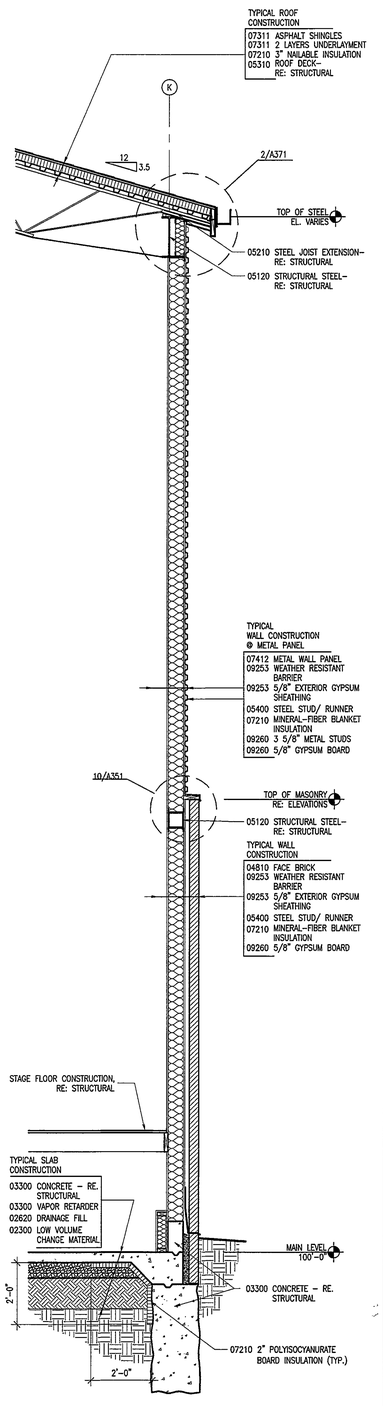
SECTION 16
1/2"=1'-0"



SECTION 9
1/2"=1'-0"



ALTERNATE #1 SECTION 6
1/2"=1'-0"



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

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

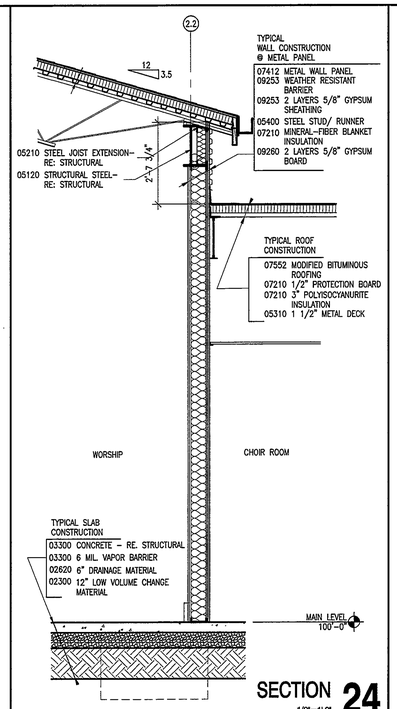
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

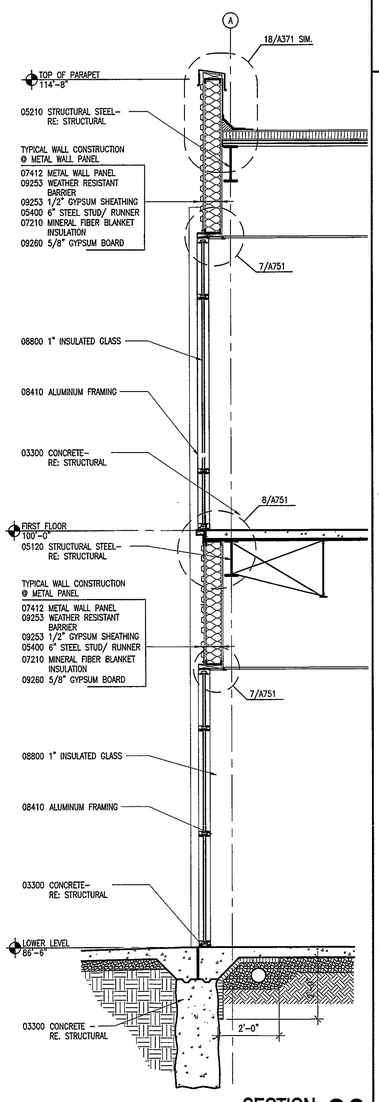
WALL SECTIONS

A312

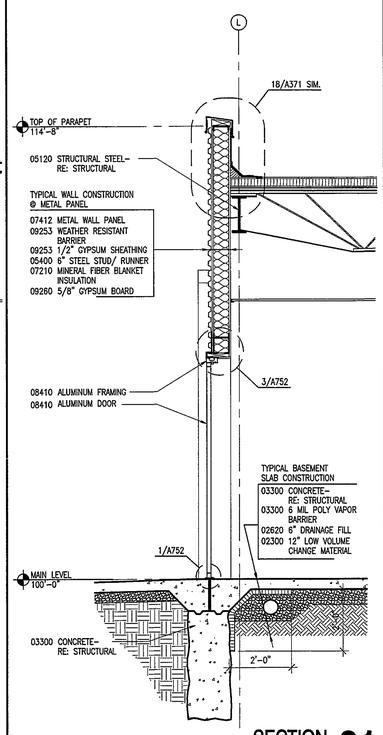
Bid Set



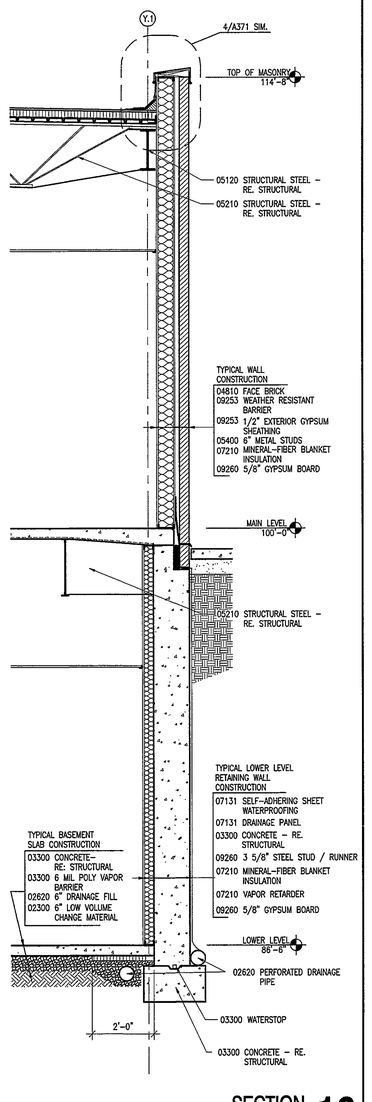
SECTION 24
1/2"=1'-0"



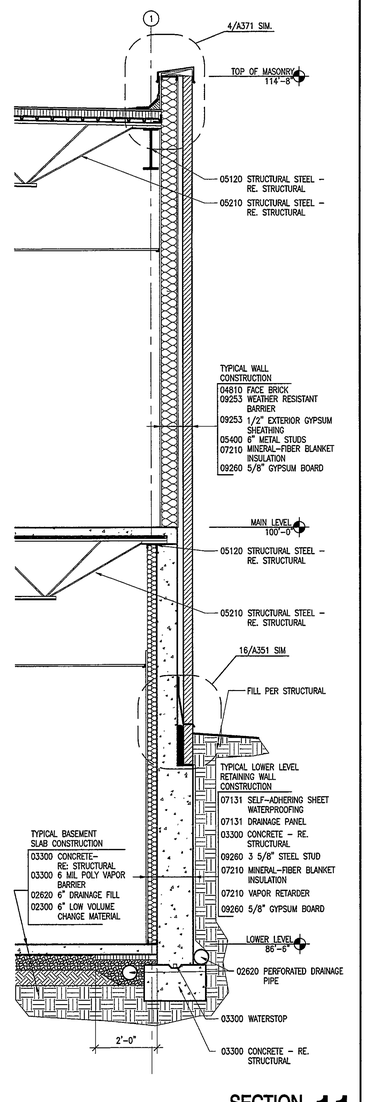
SECTION 26
1/2"=1'-0"



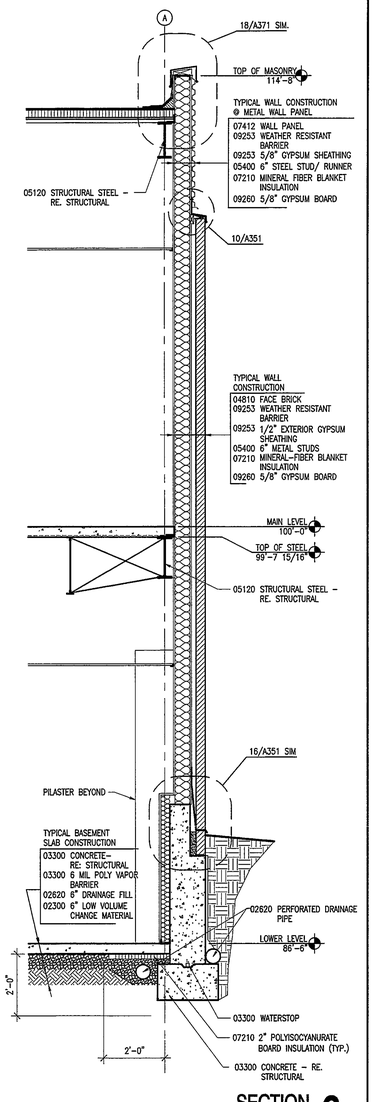
SECTION 21
1/2"=1'-0"



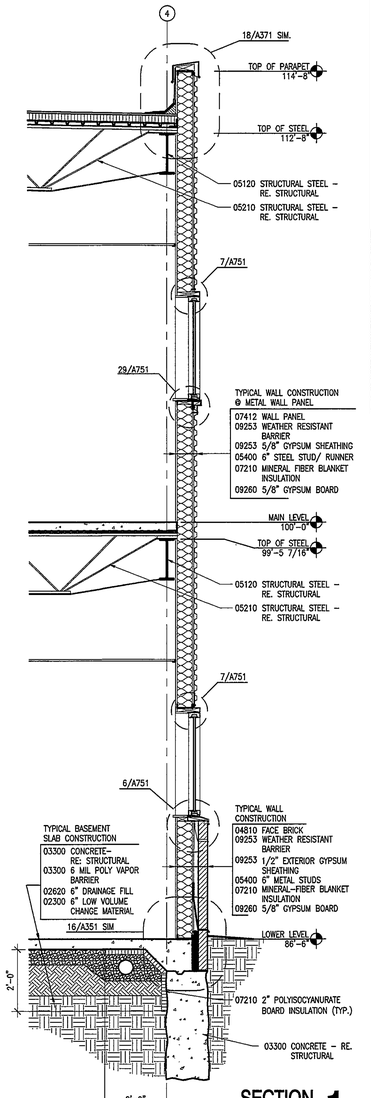
SECTION 16
1/2"=1'-0"



SECTION 11
1/2"=1'-0"



SECTION 6
1/2"=1'-0"



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

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

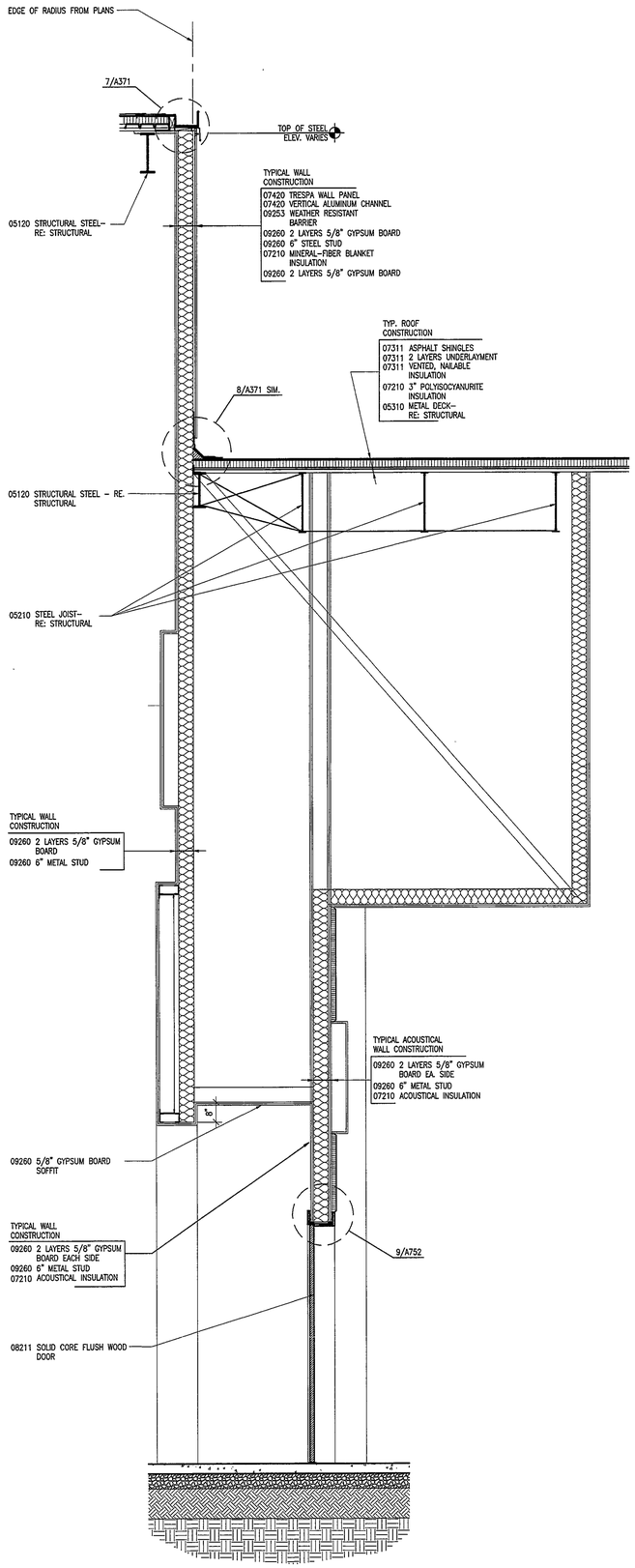
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

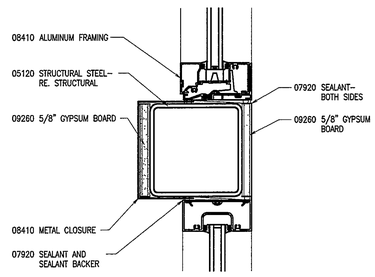
WALL SECTIONS

A313

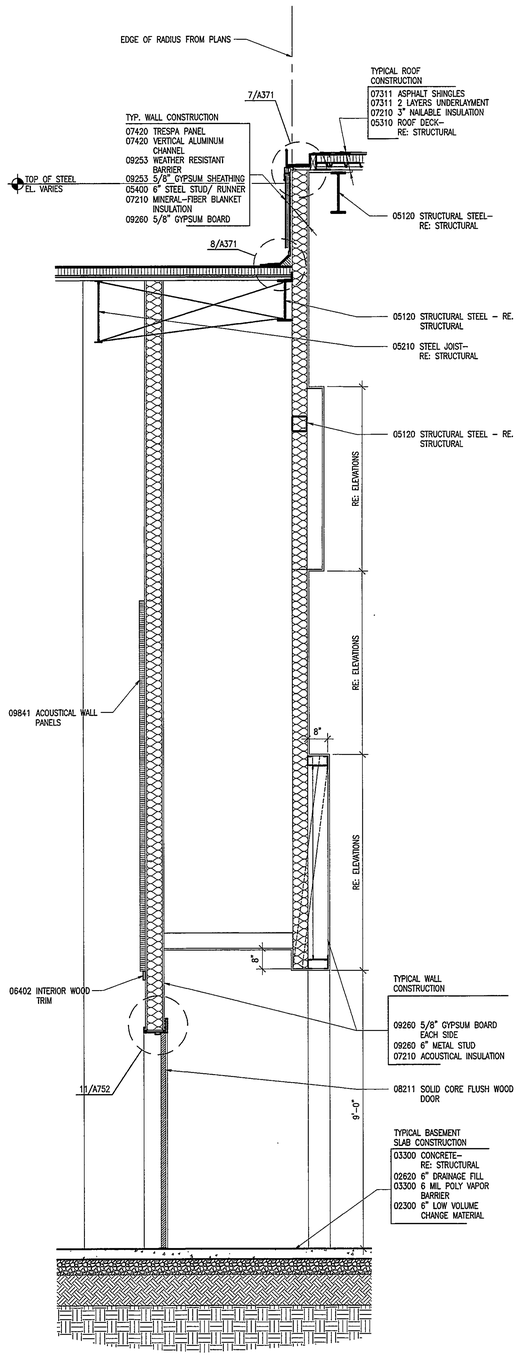
Bid Set



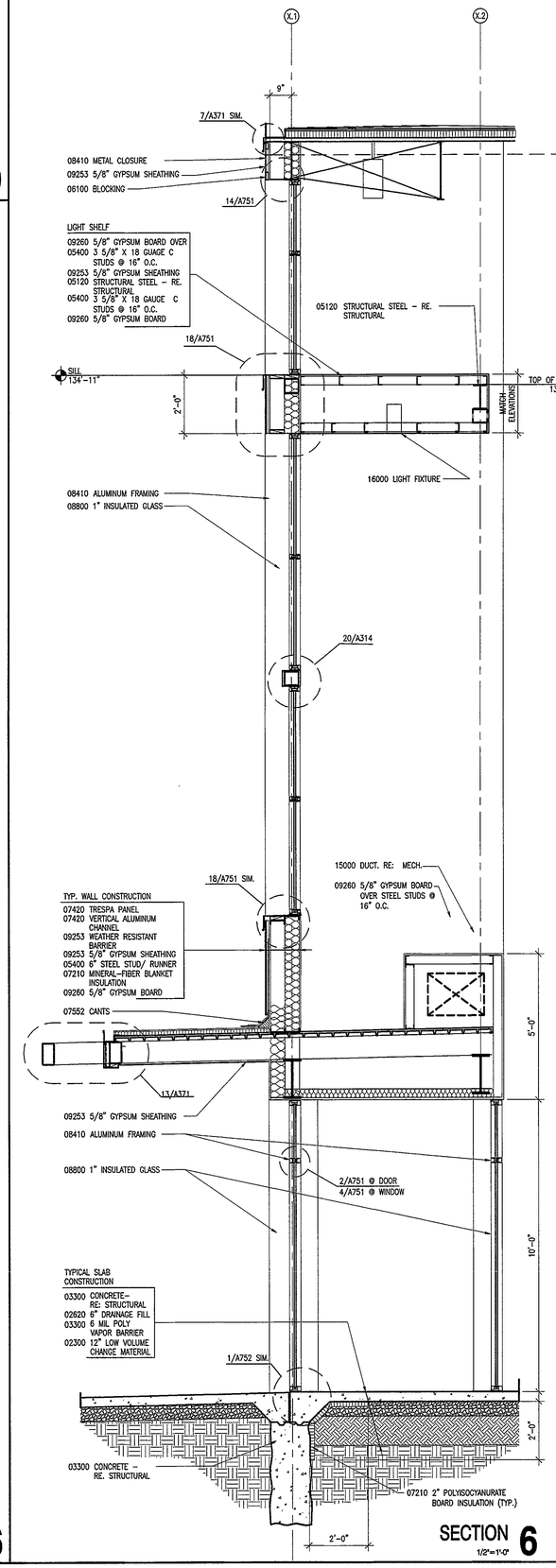
SECTION 21
1/2"=1'-0"



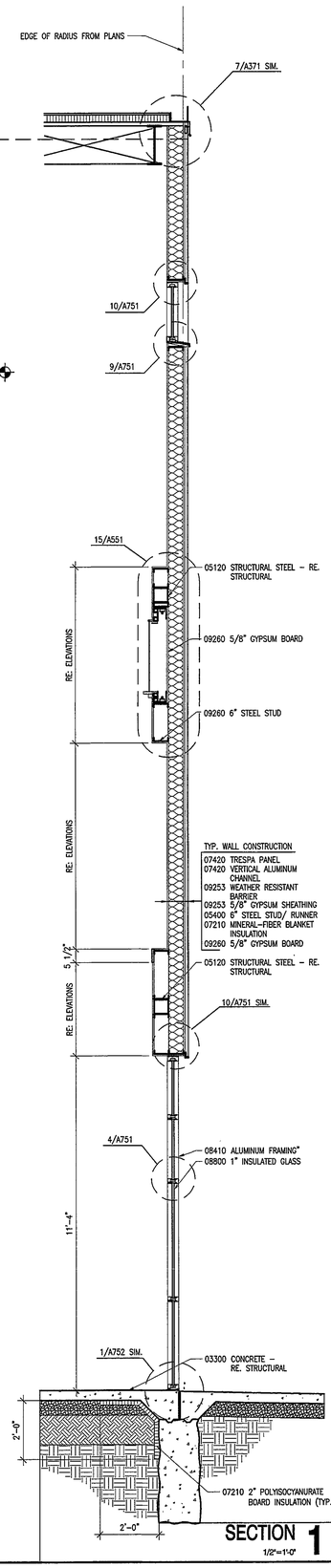
DETAIL 20
3"=1'-0"



SECTION 16
1/2"=1'-0"



SECTION 6
1/2"=1'-0"



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

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

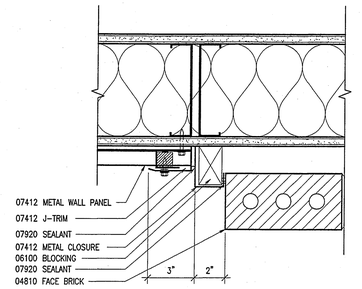
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

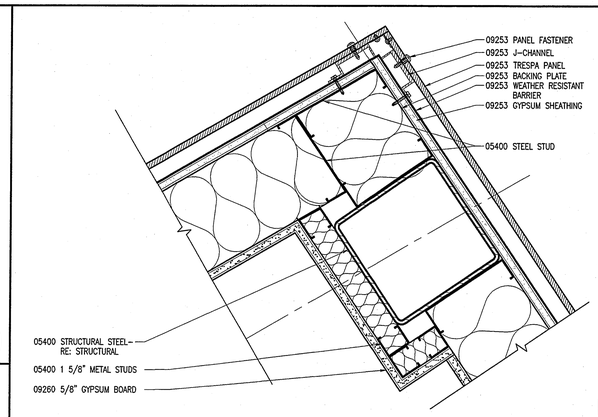
WALL SECTIONS

A314

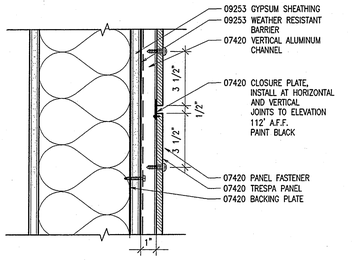
Bid Set



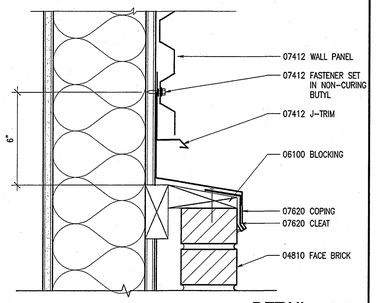
DETAIL 30
3"=1'-0"



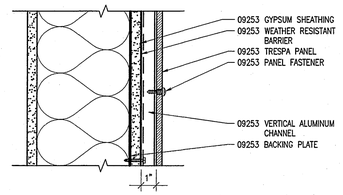
DETAIL 19
3"=1'-0"



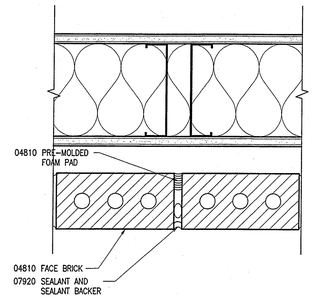
DETAIL 15
3"=1'-0"



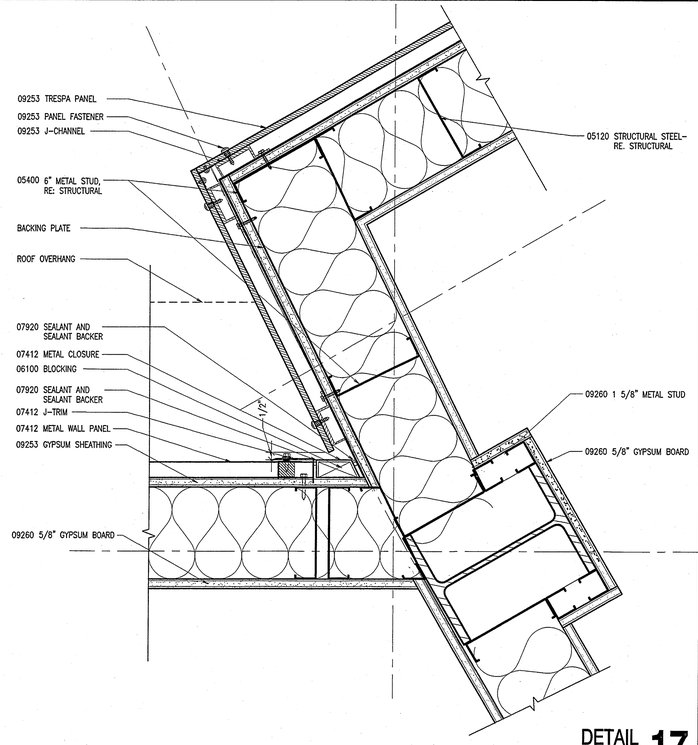
DETAIL 10
3"=1'-0"



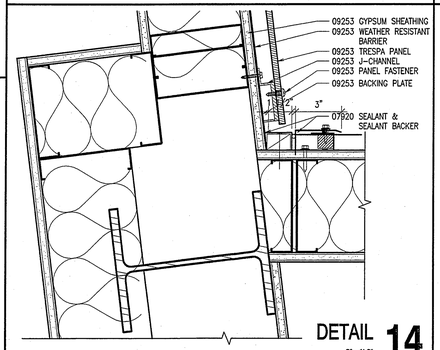
DETAIL 5
3"=1'-0"



CONTROL JOINT DETAIL 29
3"=1'-0"

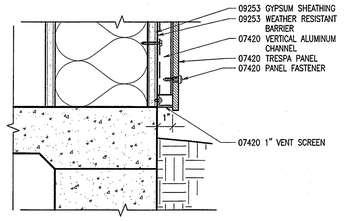


DETAIL 17
3"=1'-0"

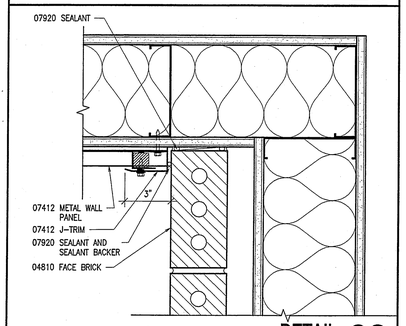


DETAIL 14
3"=1'-0"

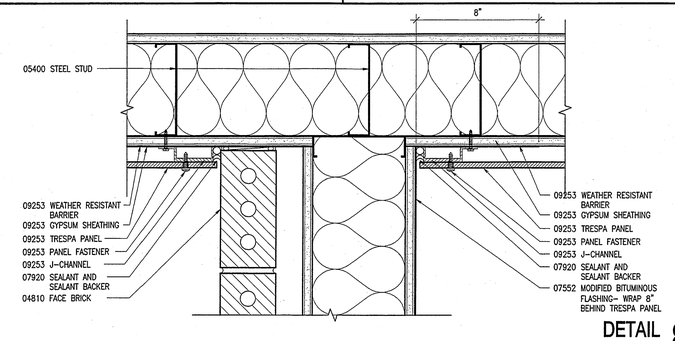
DETAIL 9
3"=1'-0"



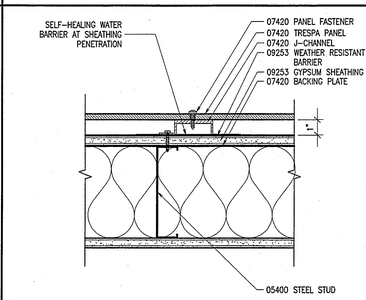
DETAIL 4
3"=1'-0"



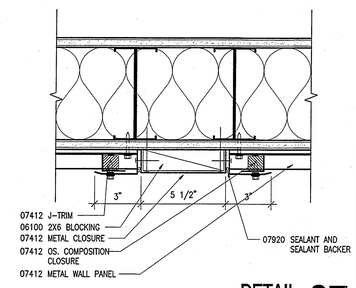
DETAIL 28
3"=1'-0"



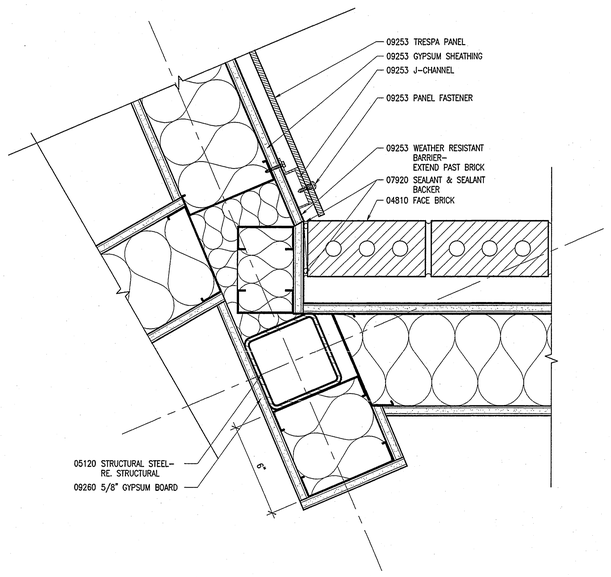
DETAIL 8
3"=1'-0"



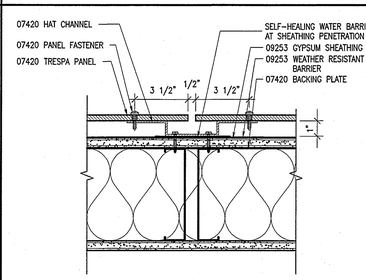
TYPICAL FASTENER DETAIL 3
3"=1'-0"



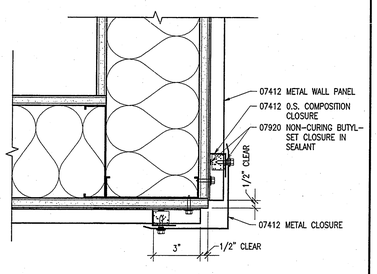
DETAIL 27
3"=1'-0"



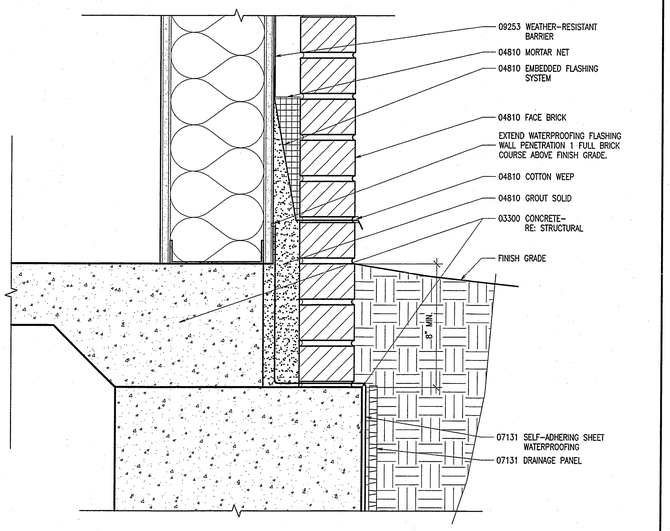
DETAIL 6
3"=1'-0"



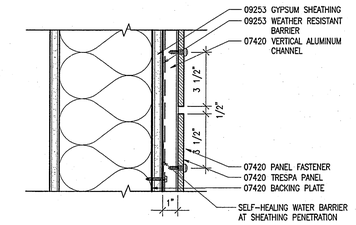
VERTICAL JOINT DETAIL 2
3"=1'-0"



DETAIL 26
3"=1'-0"



DETAIL 16
3"=1'-0"



HORIZONTAL JOINT DETAIL 1
3"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

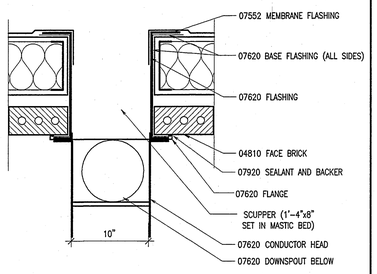
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

BRICK & WALL PANEL DETAILS

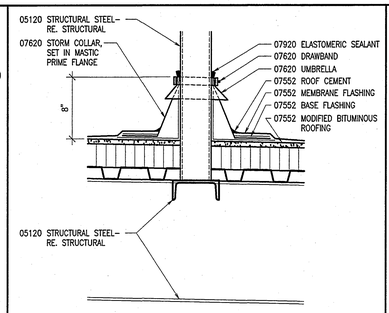
A351

Bid Set



FOYER DOWNSPOUT DETAIL 20

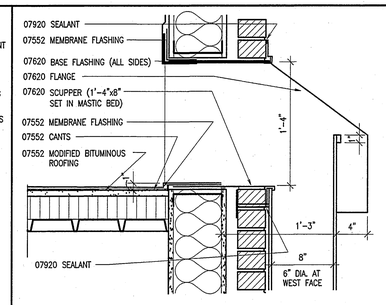
1 1/2" = 1'-0"



ROOF SCREEN POST DETAIL 15

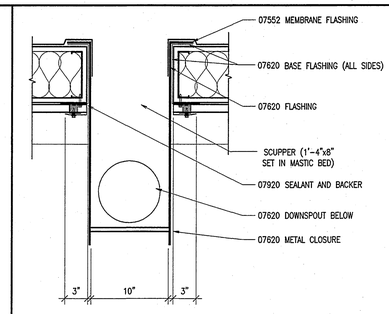
INCLUDED IN ALTERNATE #5

1 1/2" = 1'-0"



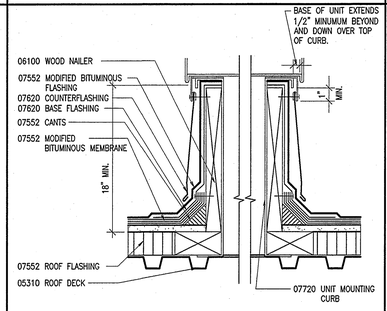
SCUPPER SECTION 10

1 1/2" = 1'-0"



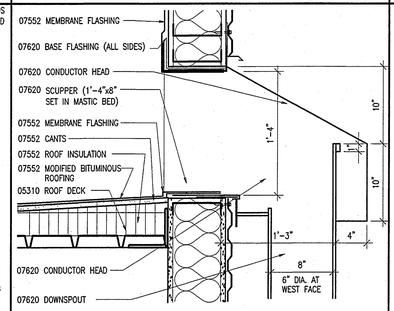
SCUPPER DETAIL 5

1 1/2" = 1'-0"



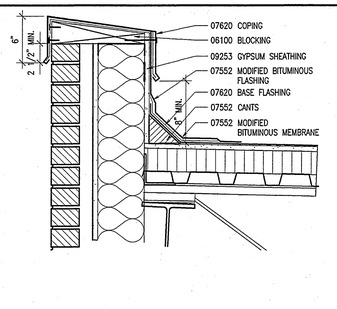
CURB DETAIL 14

1 1/2" = 1'-0"



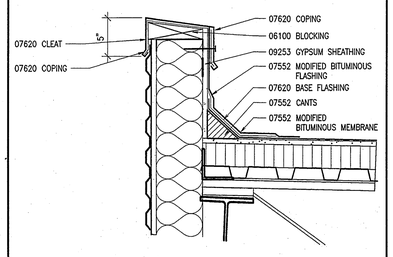
SCUPPER SECTION 9

1 1/2" = 1'-0"



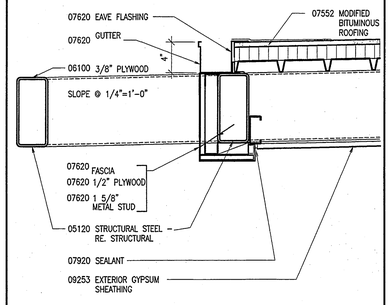
PARAPET DETAIL 4

1 1/2" = 1'-0"



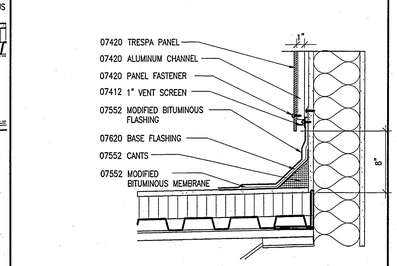
METAL PANEL PARAPET SECTION 18

1 1/2" = 1'-0"



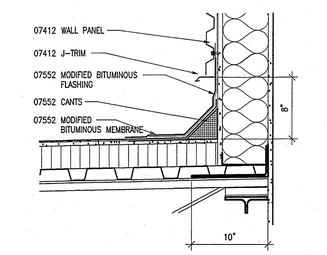
CANOPY EDGE SECTION 13

1 1/2" = 1'-0"



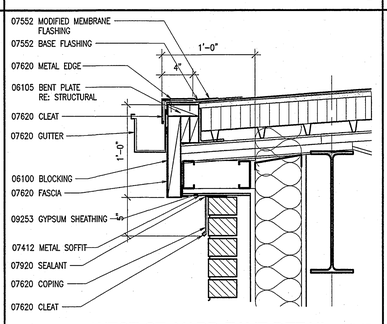
CONNECTION DETAIL 8

1 1/2" = 1'-0"



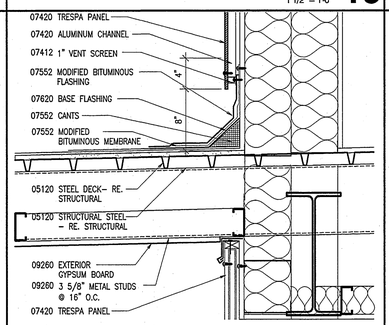
METAL PANEL JOINT DETAIL 3

1 1/2" = 1'-0"



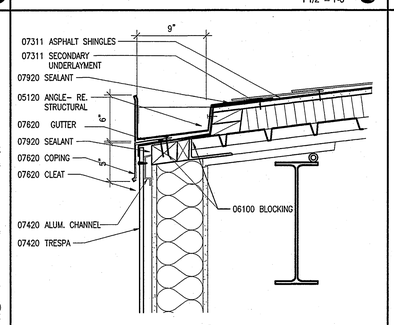
WEST CT. YARD EAVE DETAIL 17

1 1/2" = 1'-0"



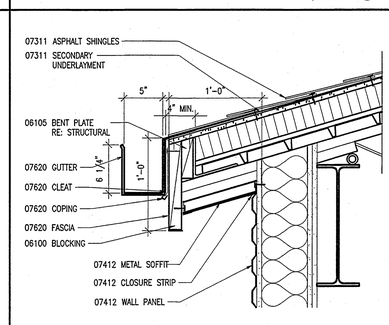
CANOPY SECTION 12

1 1/2" = 1'-0"



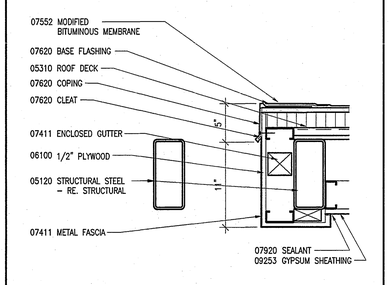
FOYER EAVE DETAIL 7

1 1/2" = 1'-0"



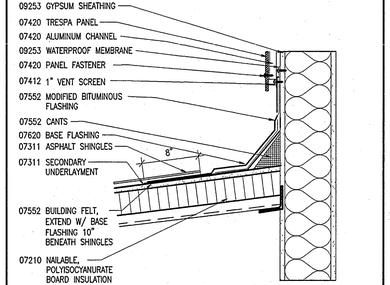
EAVE DETAIL 2

1 1/2" = 1'-0"



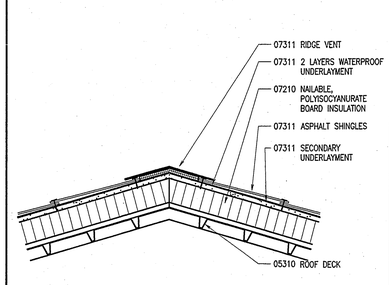
CANOPY DETAIL 11

1 1/2" = 1'-0"



CONNECTION DETAIL 6

1 1/2" = 1'-0"



RIDGE VENT DETAIL 1

1 1/2" = 1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

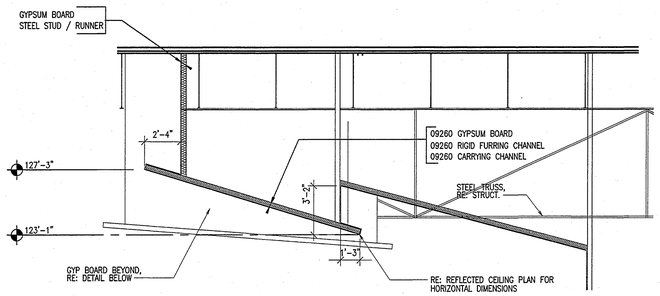
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

ROOF DETAILS

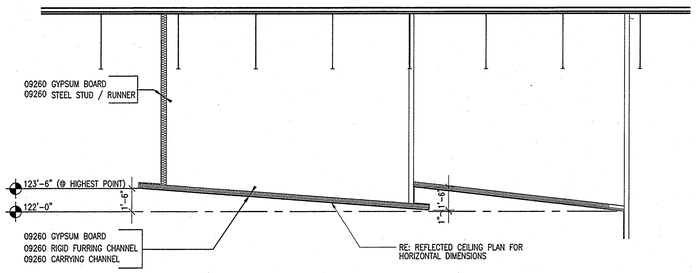
A371

Bid Set



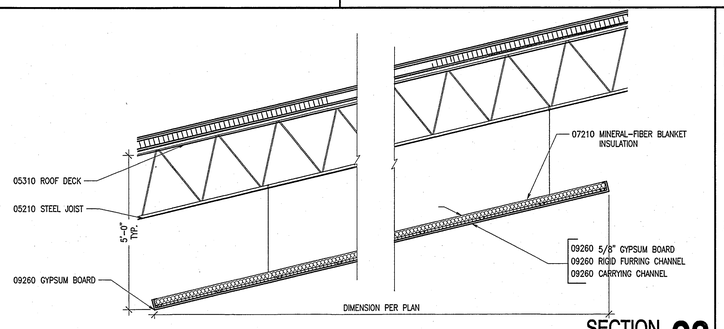
SECTION AT CENTER PLATFORM 20

1/4" = 1'-0"



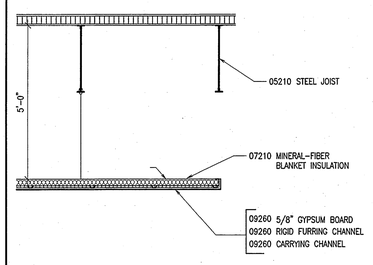
SECTION AT SIDE PLATFORM 19

1/4" = 1'-0"



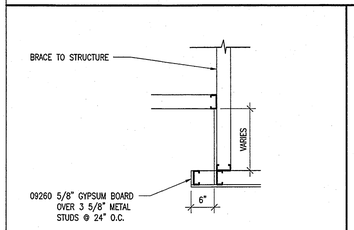
SECTION 23

1/2" = 1'-0"



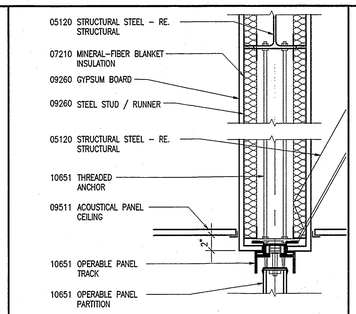
SECTION 18

1/2" = 1'-0"



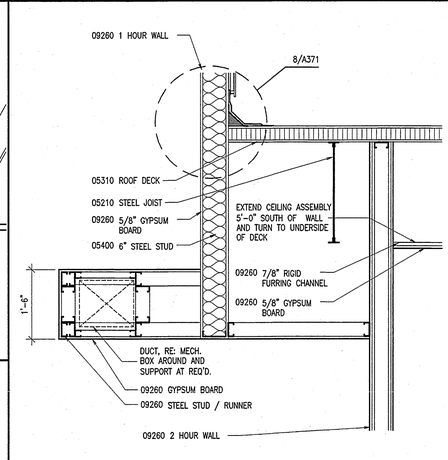
SECTION 27

3/4" = 1'-0"



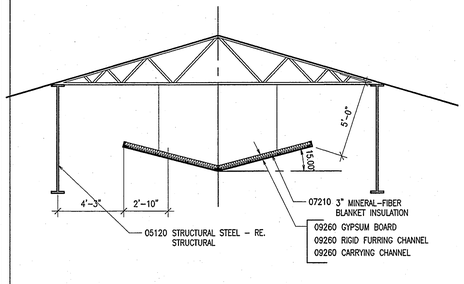
ALTERNATE #4 SECTION 22

1 1/2" = 1'-0"



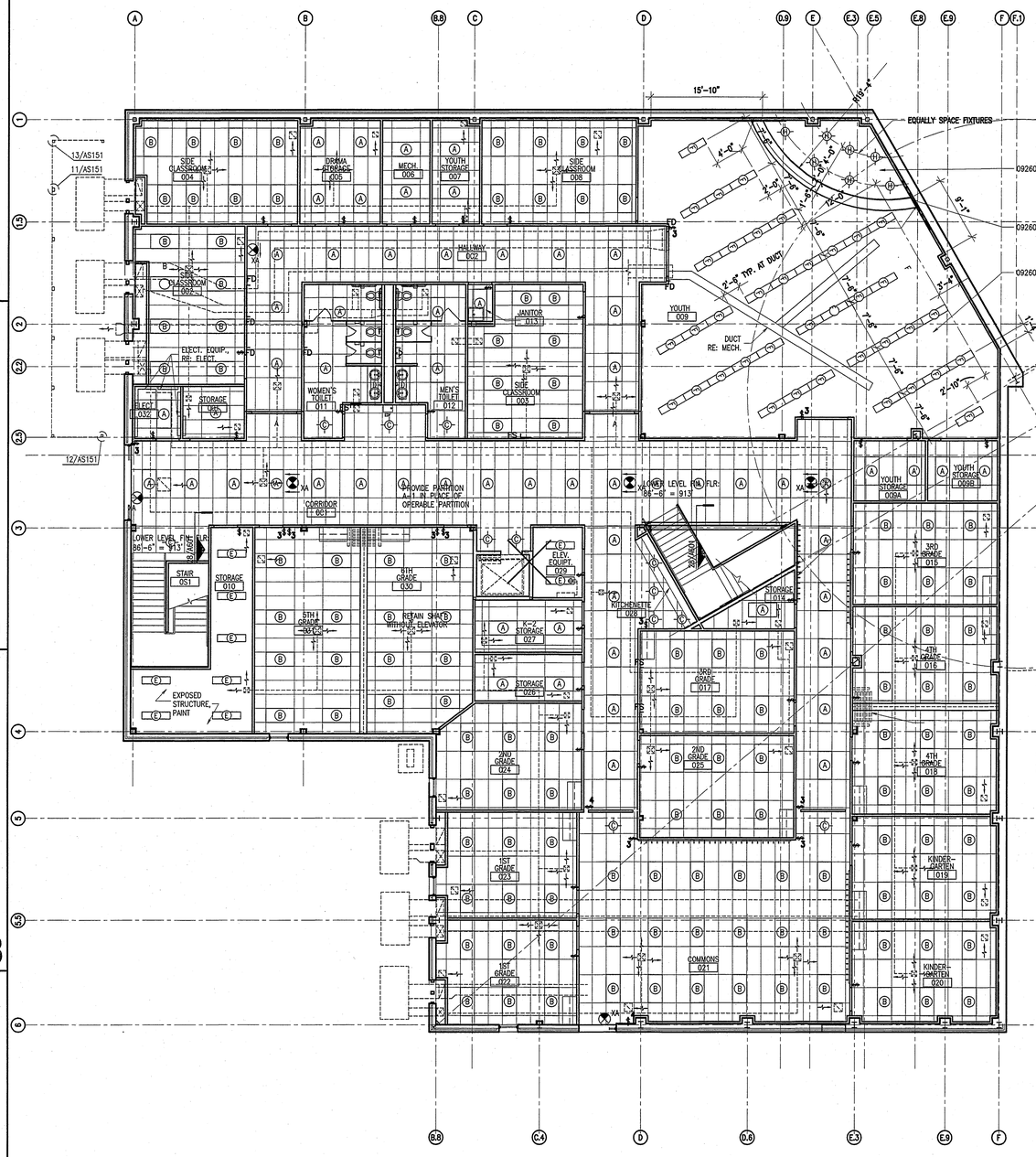
SECTION 16

3/4" = 1'-0"



SECTION 25

1/4" = 1'-0"



PARTIAL FIRST FLOOR CEILING PLAN 1

1/8"=1'-0"

NORTH

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

BASEMENT CEILING PLAN/ DETAILS

A401

Bid Set

FIRST FLOOR CEILING PLAN 1
1/8"=1'-0"

NORTH

Gould Evans Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

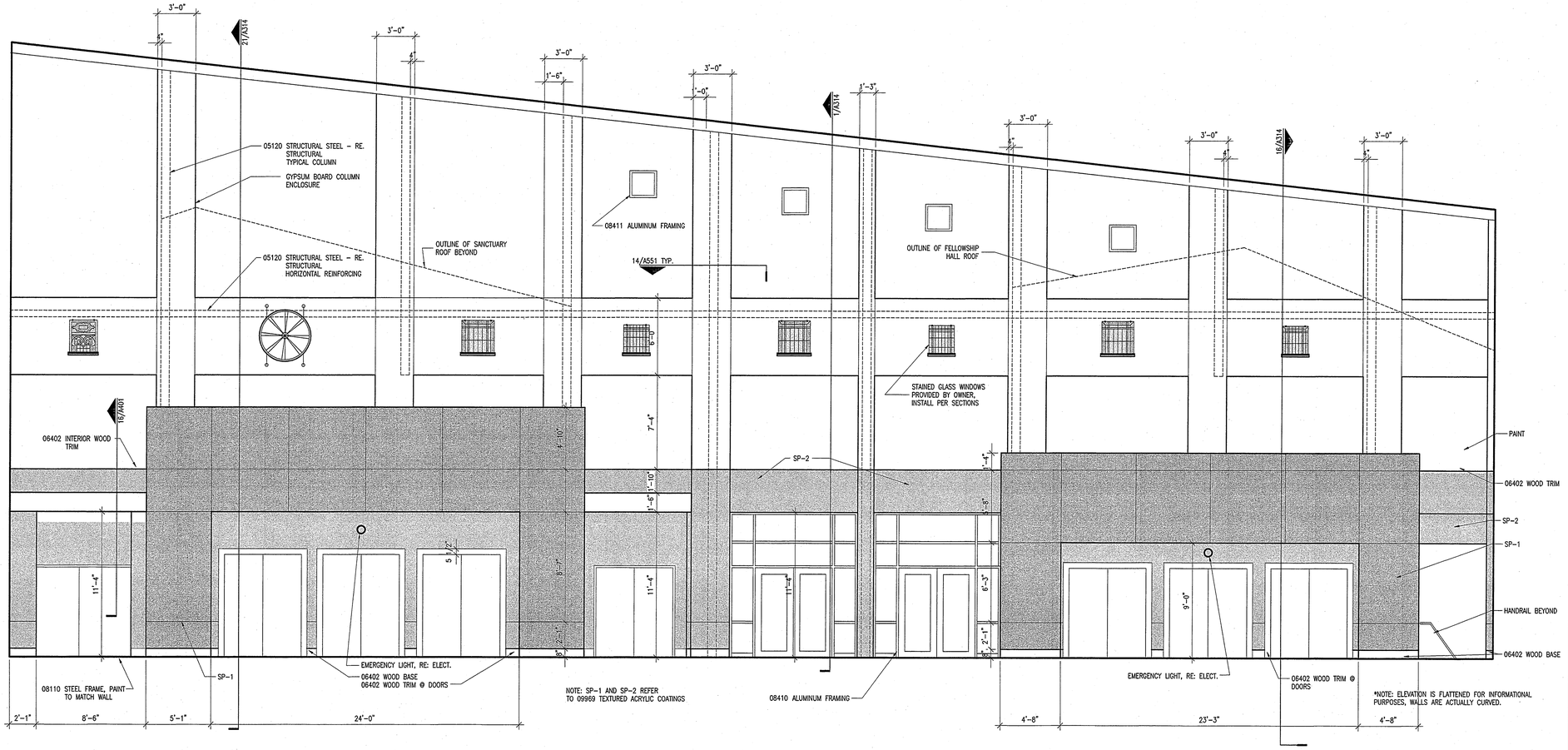
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

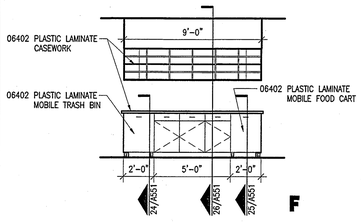
FIRST FLOOR CEILING PLAN

A402

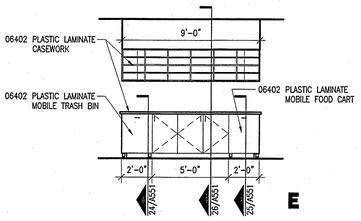
Bid Set



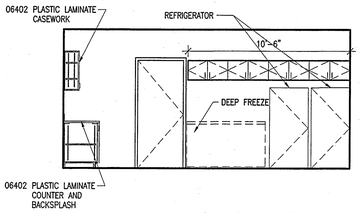
INTERIOR ELEVATION 8
1/4" = 1'-0"



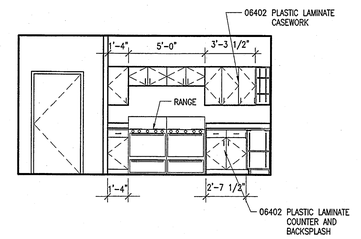
F



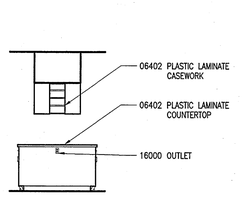
E



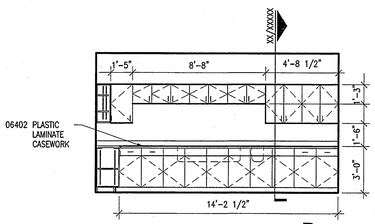
D



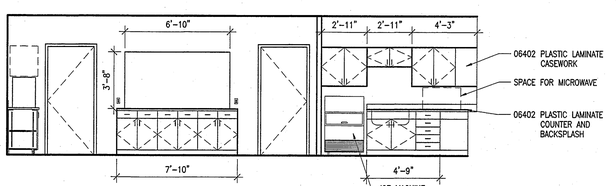
C



G

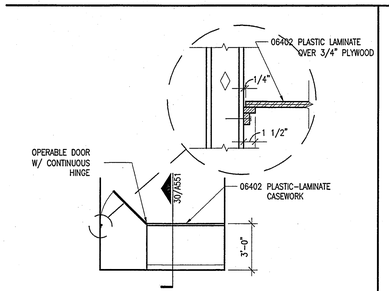


B

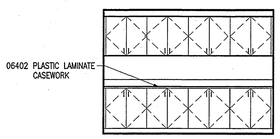


A

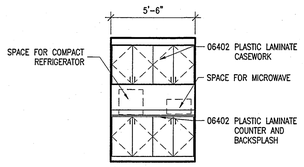
KITCHEN ELEVATIONS- RM. 121 1
1/4" = 1'-0"



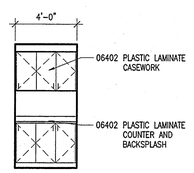
INTERIOR ELEVATION 27
1/4" = 1'-0"



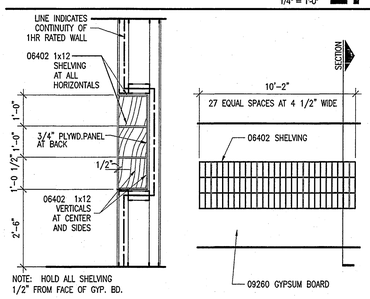
INTERIOR ELEVATION 22
1/4" = 1'-0"



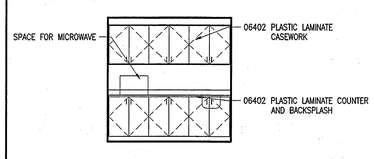
INTERIOR ELEVATION 17
1/4" = 1'-0"



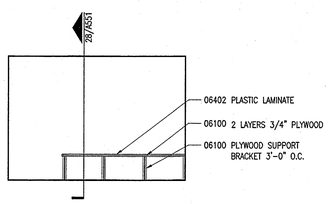
INTERIOR ELEVATION 12
1/4" = 1'-0"



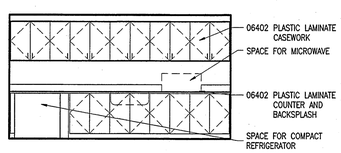
MAIL SLOT DETAILS 26
1/4" = 1'-0"



INTERIOR ELEVATION 21
1/4" = 1'-0"



INTERIOR ELEVATION 16
1/4" = 1'-0"



INTERIOR ELEVATION 11
1/4" = 1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

INTERIOR ELEVATIONS
A501
Bid Set

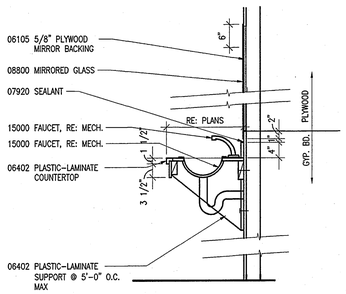
ADA GENERAL NOTES:

MOUNTING HEIGHTS:

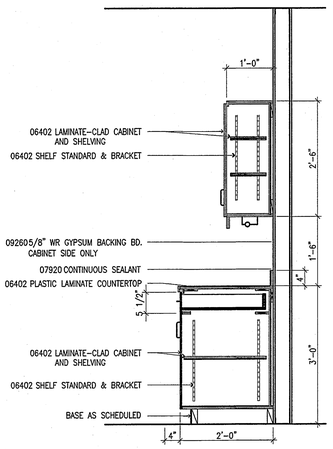
- MIRROR 40" A.F.F. HIGH TO BASE
- TOWEL DISPENSER OPERABLE PARTS WITHIN 40" A.F.F.
- FEMININE NAPKIN DISPENSER OPERABLE PARTS WITHIN 40" A.F.F.
- TOILETS SEAT COVER DIAPENSER OPERABLE PARTS WITHIN 40" A.F.F.
- DRINKING FOUNTAINS 27" CLEAR (MIN.) WITH BUBBLER 36" MAS. A.F.F.
- TOILETS 17" – 19" A.F.F. TO TOP OF SEAT
- CHILDREN'S TO BE DETERMINED
- URINALS 17" MAX. A.F.F. TO LIP
- LAVATORY 27" CLEAR 34" MAX. A.F.F.
- PURSE SHELF OPERABLE PARTS WITHIN 40" A.F.F.
- TOILET TISSUE DISPENSERS SHALL BE LOCATED ON THE WALL WITHIN 12" OF THE FRONT EDGE OF THE TOILET SEAT AND NO LOWER THAN 19" A.F.F. DISPENSERS THAT CONTROL DELIVERY OR THAT DO NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED.
- H.C. SINKS 34" A.F.F.
- GRABBARS 33" TO CENTER A.F.F.

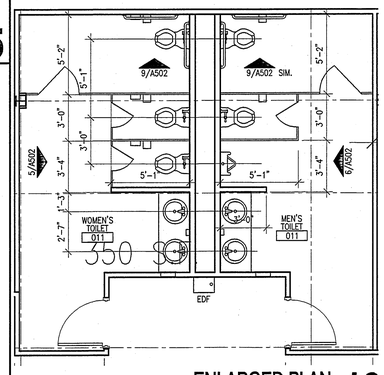
GENERAL NOTES:

1. PROVIDE WALL MOUNTED COAT HOOK IN EACH H.C. STALL AT 44" A.F.F.
2. PROVIDE BLOCKING AS REQUIRED FOR MOUNTING OF ALL TOILET ACCESSORIES AND PARTITIONS.

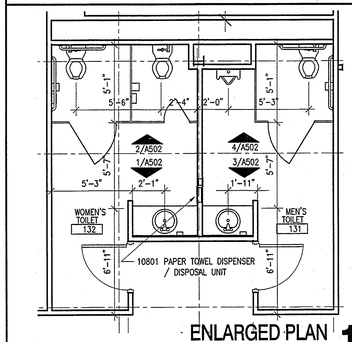


SECTION 25
3/4" = 1'-0"

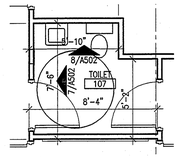




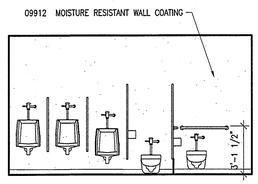
ENLARGED PLAN 19
1/4" = 1'-0"



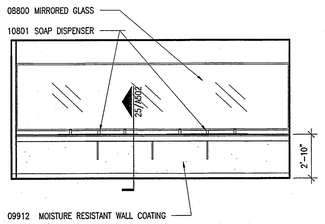
ENLARGED PLAN 18
1/4" = 1'-0"



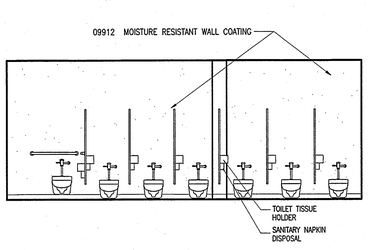
ENLARGED PLAN 15
1/4" = 1'-0"



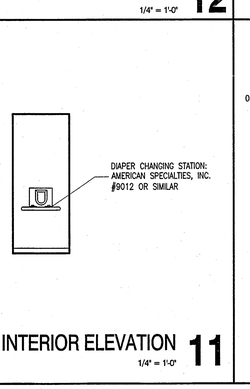
INTERIOR ELEVATION 14
1/4" = 1'-0"



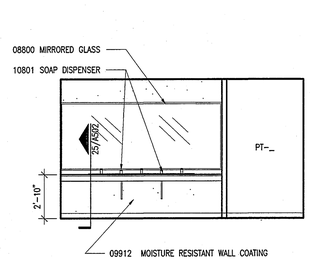
INTERIOR ELEVATION 13
1/4" = 1'-0"



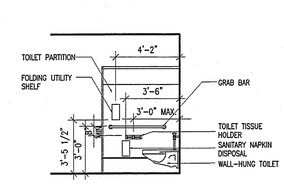
INTERIOR ELEVATION 12
1/4" = 1'-0"



INTERIOR ELEVATION 11
1/4" = 1'-0"

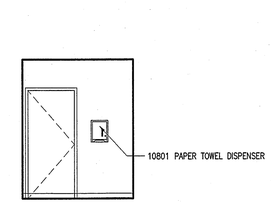


INTERIOR ELEVATION 10
1/4" = 1'-0"

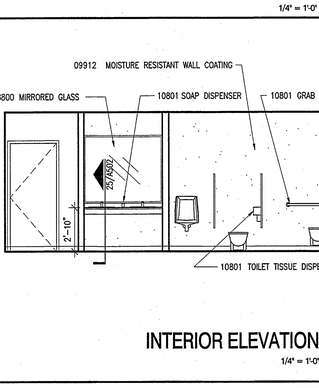


INTERIOR ELEVATION 9
1/4" = 1'-0"

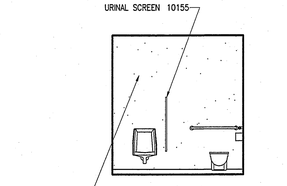
INTERIOR ELEVATION 8
1/4" = 1'-0"



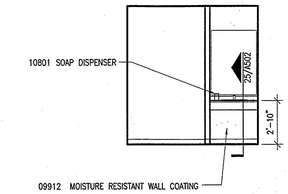
INTERIOR ELEVATION 7
1/4" = 1'-0"



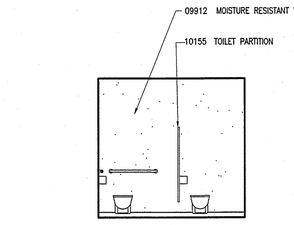
INTERIOR ELEVATION 6
1/4" = 1'-0"



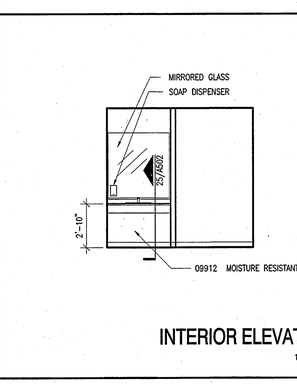
INTERIOR ELEVATION 4
1/4" = 1'-0"



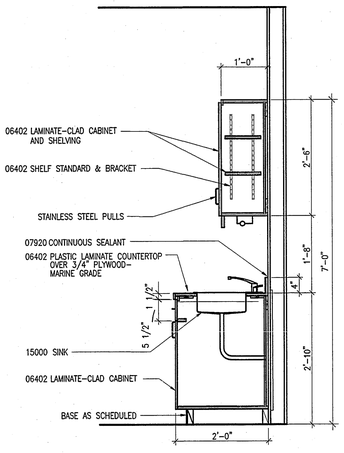
INTERIOR ELEVATION 3
1/4" = 1'-0"



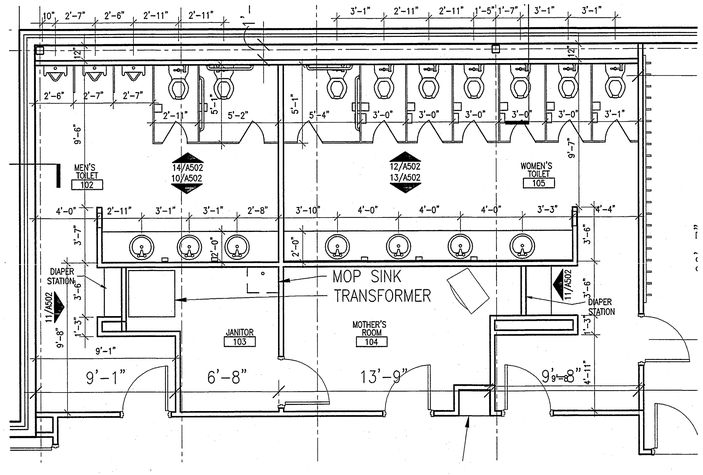
INTERIOR ELEVATION 2
1/4" = 1'-0"



INTERIOR ELEVATION 1
1/4" = 1'-0"



SECTION 26
3/4" = 1'-0"



ENLARGED PLAN 16
1/4" = 1'-0"

SECTION 23
3/4" = 1'-0"

SECTION 25
3/4" = 1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

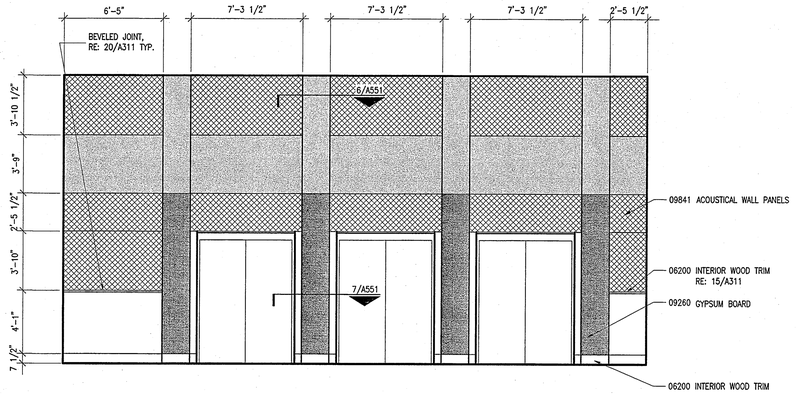
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

INTERIOR ELEVATIONS

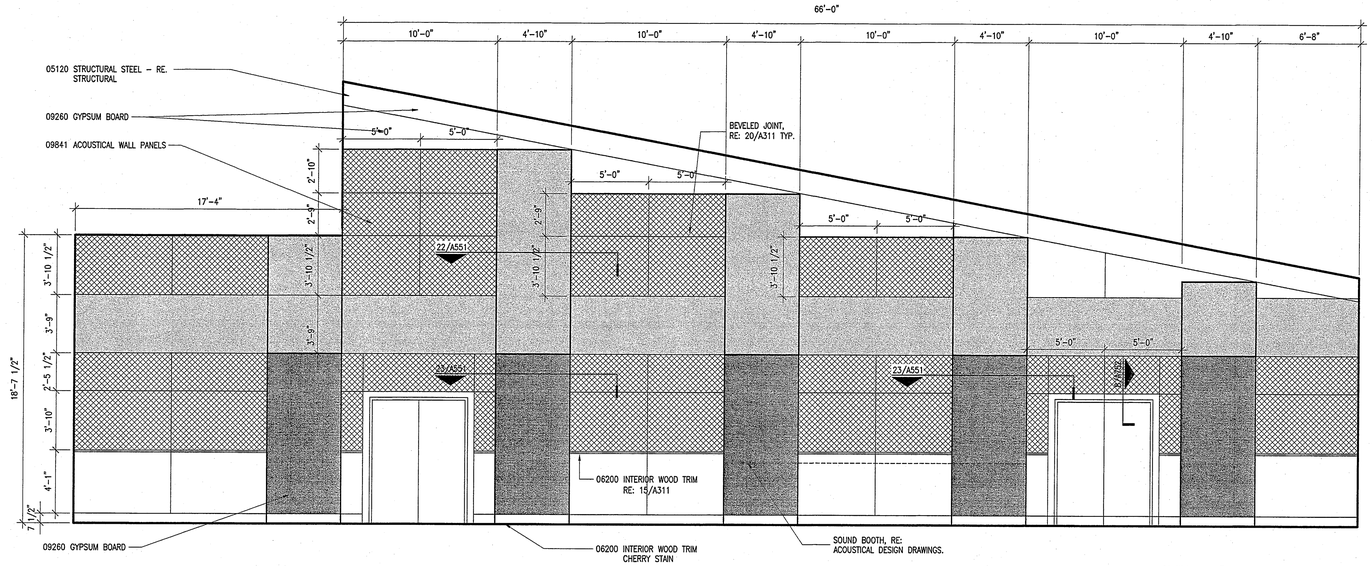
A502

Bid Set



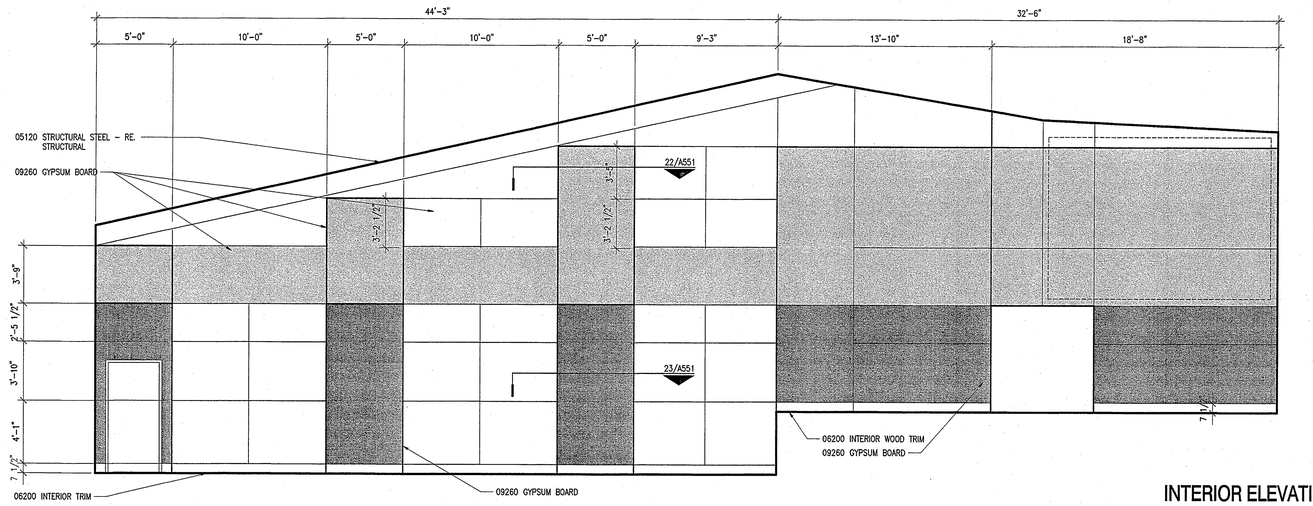
INTERIOR ELEVATION 25

521-48 1/4" = 1'-0"



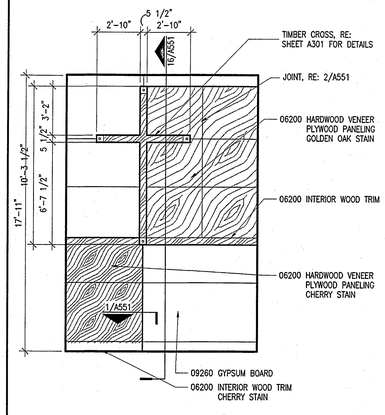
INTERIOR ELEVATION 5

521-48 1/4" = 1'-0"



INTERIOR ELEVATION 13

521-48 1/4" = 1'-0"

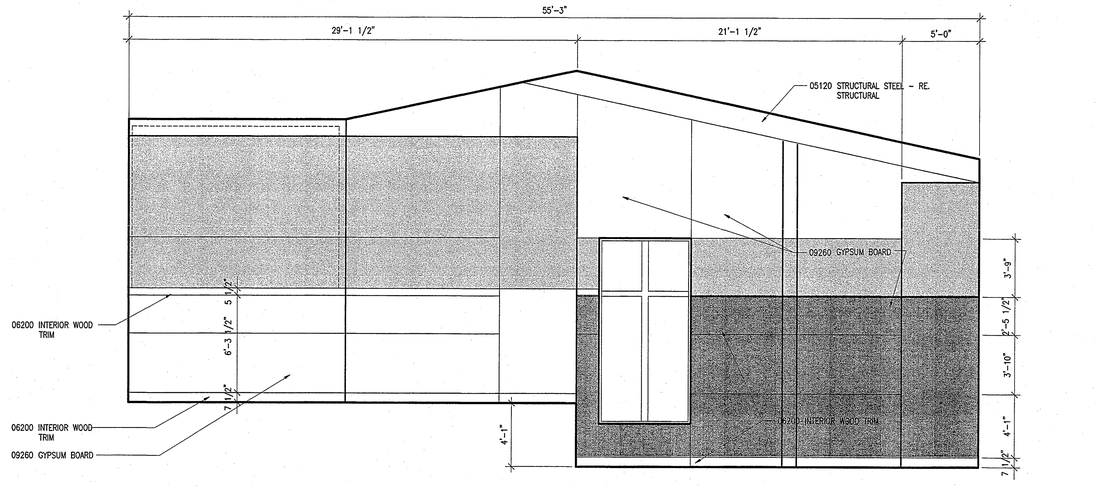


INTERIOR ELEVATION 3

521-48 1/4" = 1'-0"

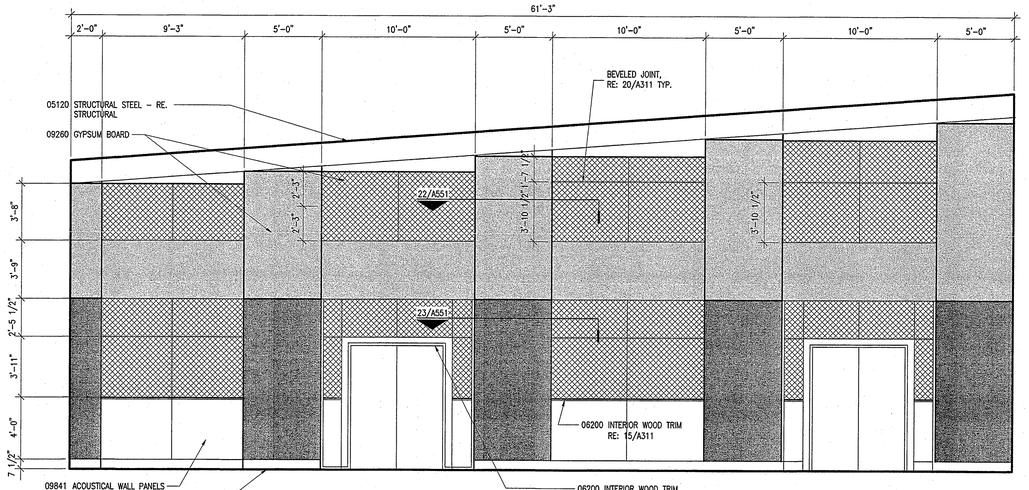
WALL FINISH SCHEDULE

- PAINT #1 (FIELD)
- PAINT #2
- PAINT #3
- WOOD STAIN (ACCENT)
- WOOD STAIN #2, TRIM, BASE, CROSS
- ACOUSTICAL WALL PANEL



INTERIOR ELEVATION 16

521-48 1/4" = 1'-0"



INTERIOR ELEVATION 1

521-48 1/4" = 1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

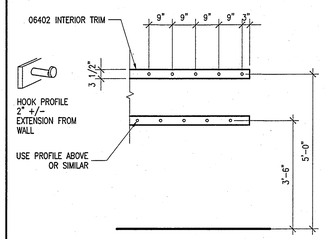
INTERIOR ELEVATIONS

A521

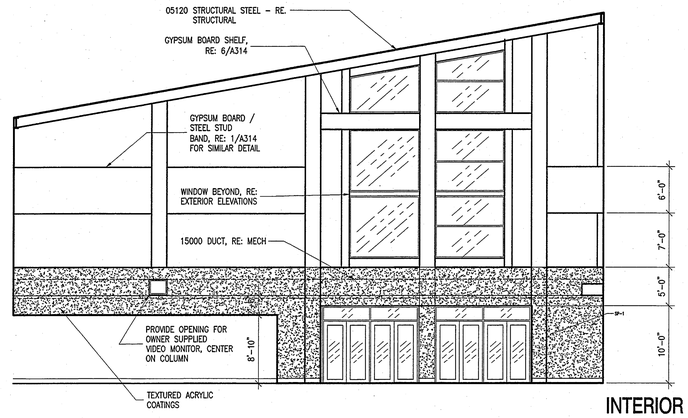
Bid Set

WALL FINISH SCHEDULE

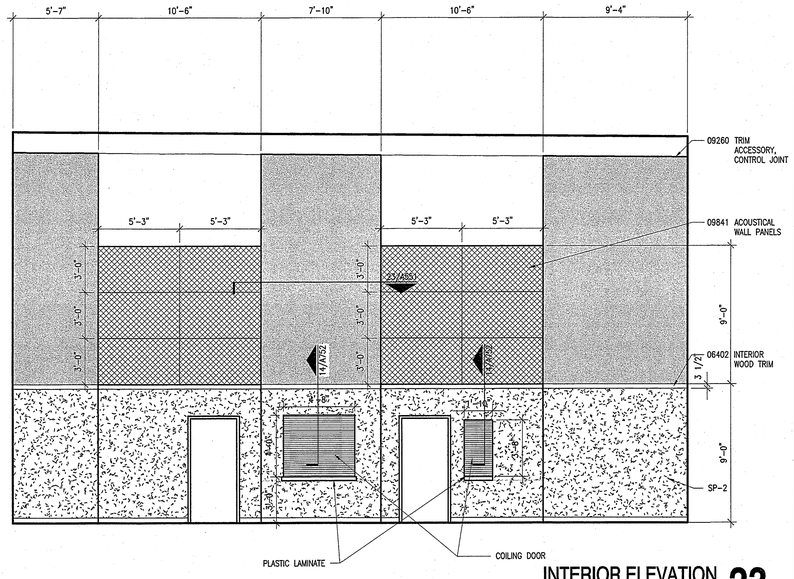
- PAINT #1 (FIELD)
- PAINT #2
- PAINT #3
- WOOD STAIN (ACCENT)
- WOOD STAIN #2, TRIM, BASE, CROSS
- ACOUSTICAL WALL PANEL
- TEXTURED ACRYLIC COATINGS



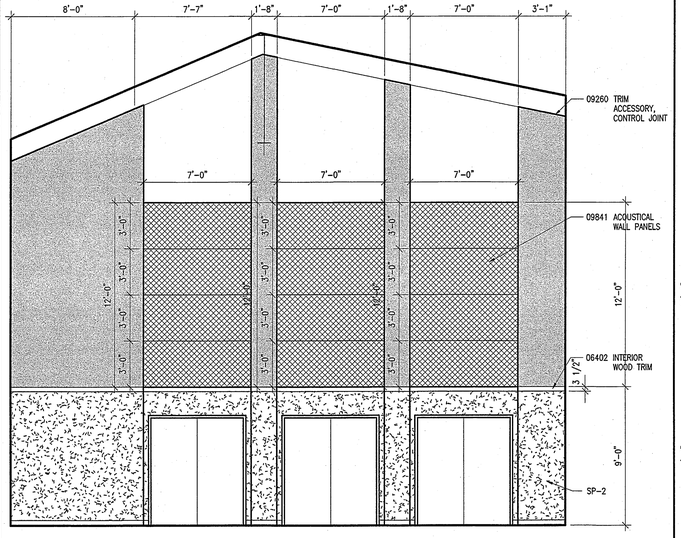
HOOK ELEVATION 15
1/2" = 1'-0"



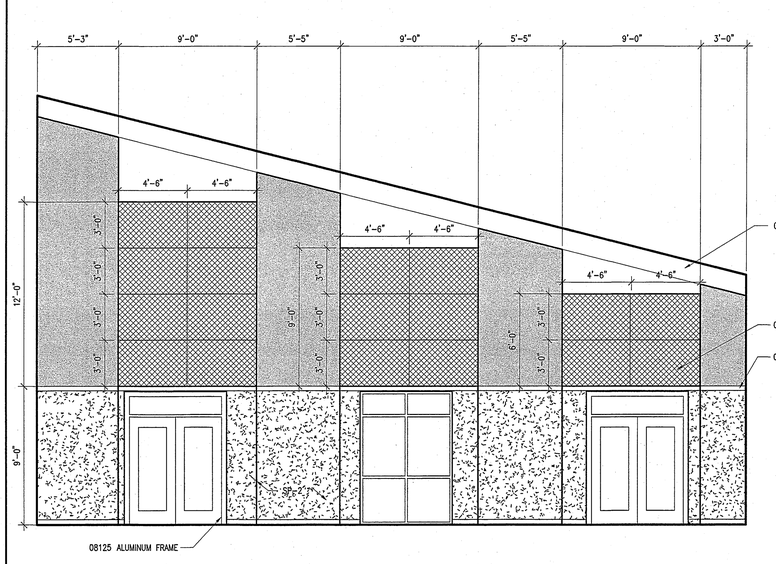
INTERIOR ELEVATION 5
521-48 1/8" = 1'-0"



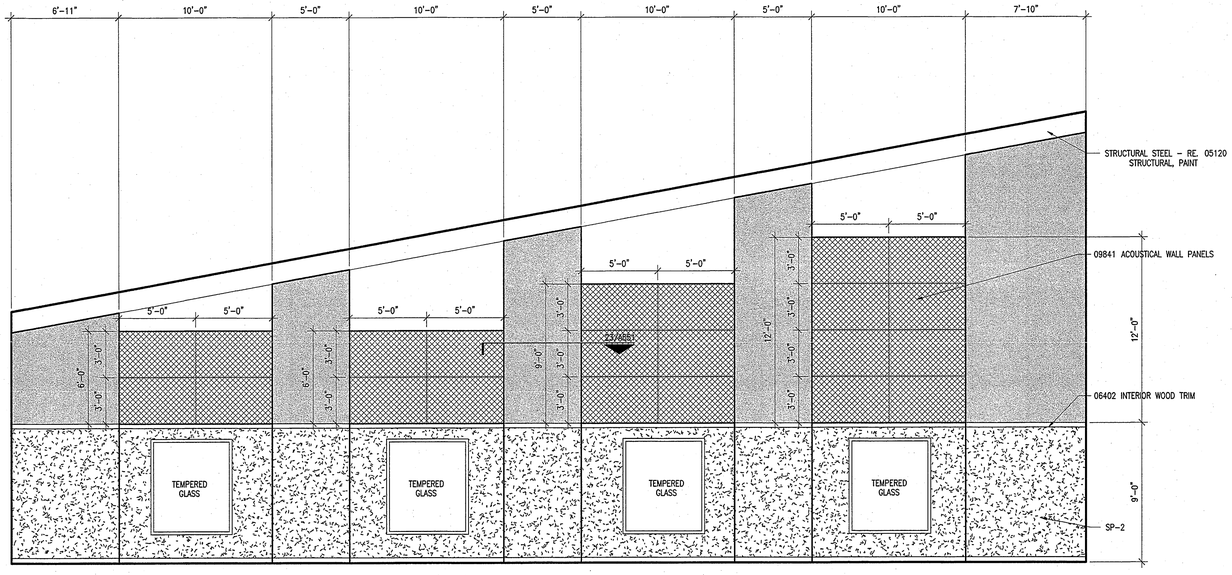
INTERIOR ELEVATION 23
521-48 1/4" = 1'-0"



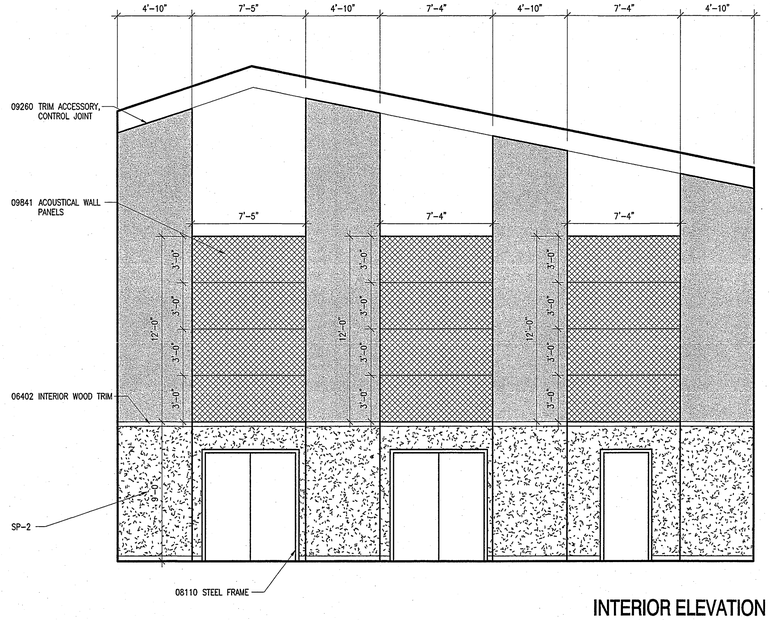
INTERIOR ELEVATION 13
521-48 1/4" = 1'-0"



INTERIOR ELEVATION 3
521-48 1/4" = 1'-0"



INTERIOR ELEVATION 11
521-48 1/4" = 1'-0"



INTERIOR ELEVATION 1
521-48 1/4" = 1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

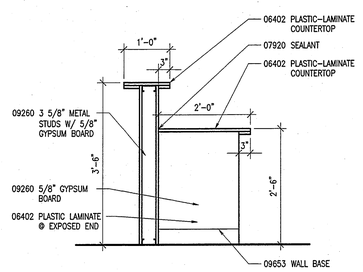
FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

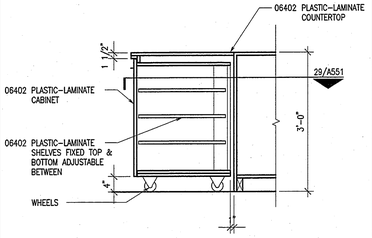
Project no: 0100-0160
Date: April 15, 2002
Sheet:

INTERIOR ELEVATIONS
A522

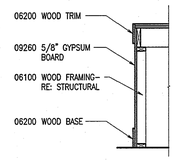
Bid Set



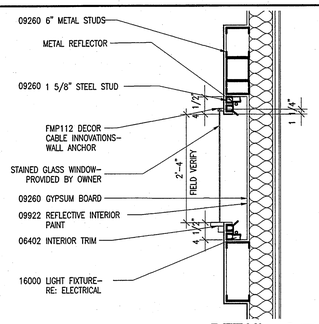
SECTION 30
3/4" = 1'-0"



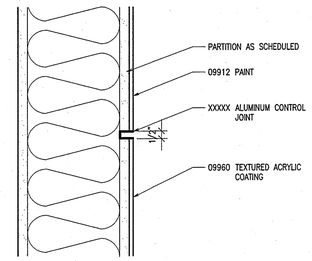
SECTION 25
3/4" = 1'-0"



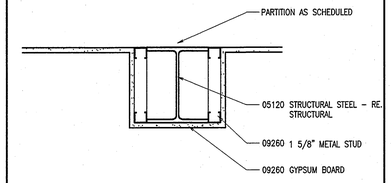
DETAIL 20
1/2" = 1'-0"



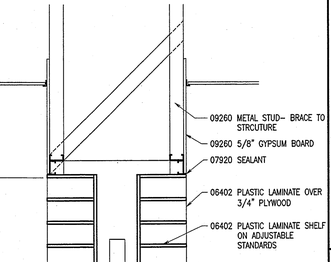
DETAIL 15
3/4" = 1'-0"



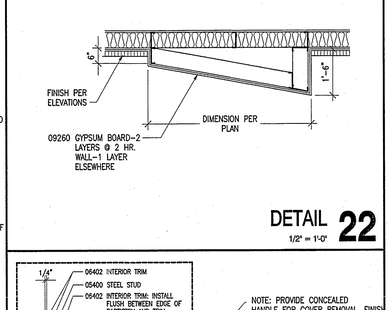
DETAIL 10
3" = 1'-0"



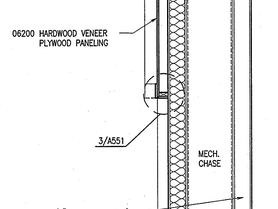
INTERIOR COLUMN DETAIL 5
1 1/2" = 1'-0"



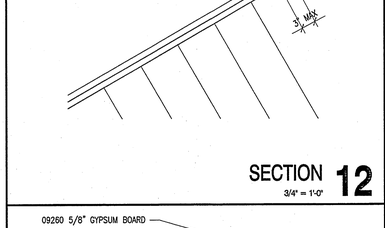
SECTION 29
3/4" = 1'-0"



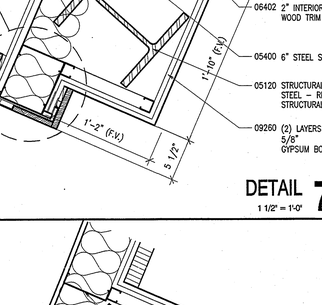
SECTION 24
3/4" = 1'-0"



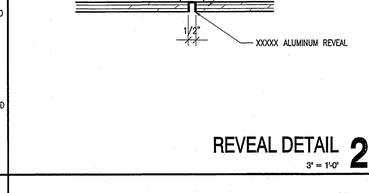
DETAIL 19
1/2" = 1'-0"



DETAIL 14
3/4" = 1'-0"



DETAIL 9
1/2" = 1'-0"



DETAIL 4
1 1/2" = 1'-0"

SECTION 28
3/4" = 1'-0"

DETAIL 23
1/2" = 1'-0"

SECTION 16
1/2" = 1'-0"

SECTION 13
3/4" = 1'-0"

DETAIL 8
1 1/2" = 1'-0"

DETAIL 3
3" = 1'-0"

SECTION 26
3/4" = 1'-0"

DETAIL 22
1/2" = 1'-0"

SECTION 21
1/2" = 1'-0"

SECTION 11
3/4" = 1'-0"

DETAIL 6
1 1/2" = 1'-0"

DETAIL 1
3" = 1'-0"

SECTION 12
3/4" = 1'-0"

DETAIL 7
1 1/2" = 1'-0"

REVEAL DETAIL 2
3" = 1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

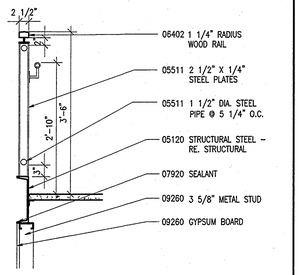
FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

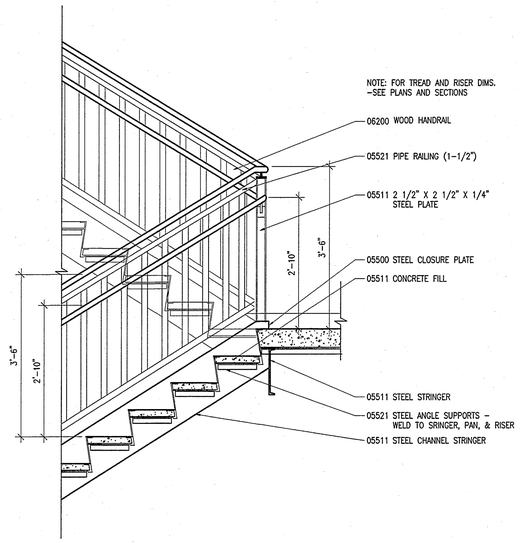
INTERIOR DETAILS
A551

Bid Set



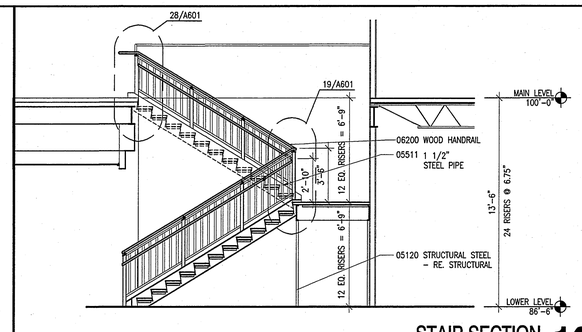
GUARDRAIL SECTION 30

3/4"=1'-0"



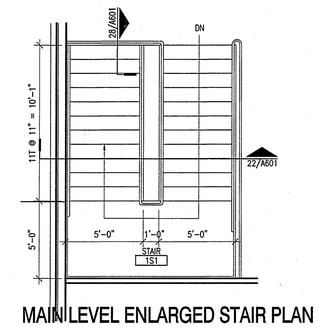
SECTION 19

3/4"=1'-0"



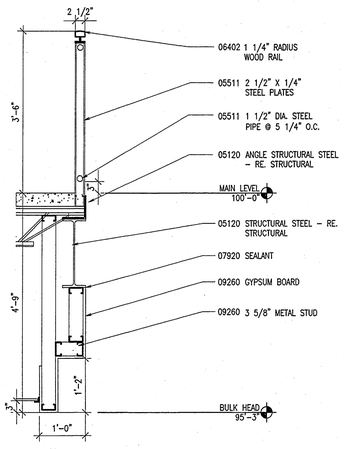
STAIR SECTION 10

1/4"=1'-0"



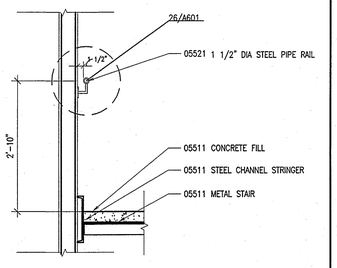
MAIN LEVEL ENLARGED STAIR PLAN 5

1/4"=1'-0"



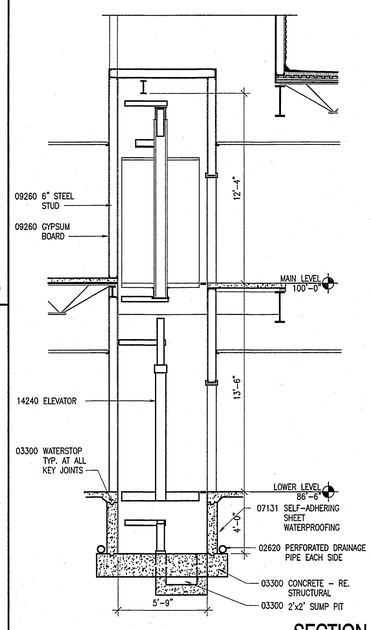
SECTION 28

3/4"=1'-0"



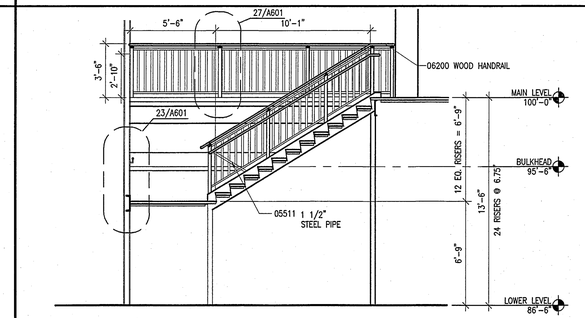
STAIR SECTION 23

3/4"=1'-0"



SECTION 17

3/4"=1'-0"

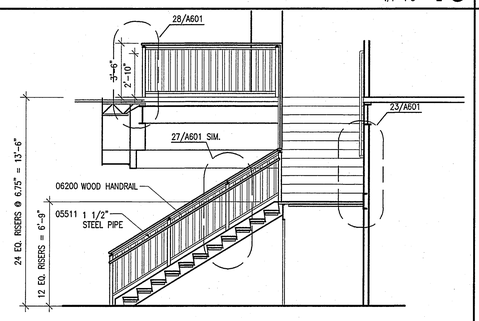


STAIR SECTION 8

1/4"=1'-0"

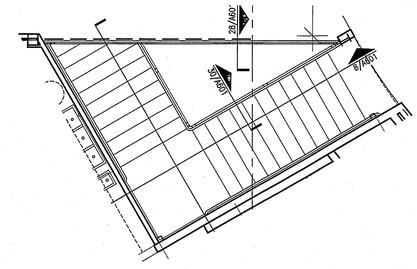
LOWER LEVEL ENLARGED STAIR PLAN 4

1/4"=1'-0"



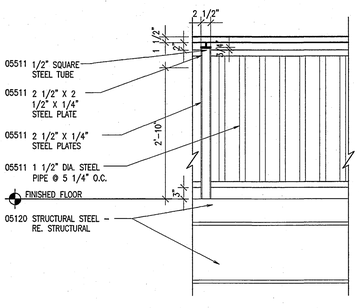
STAIR SECTION 9

1/4"=1'-0"



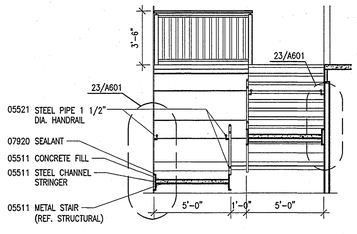
MAIN LEVEL ENLARGED STAIR PLAN 2

1/4"=1'-0"



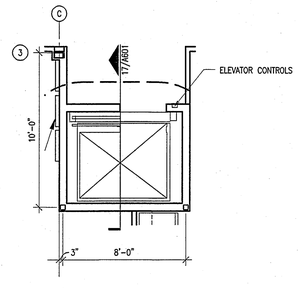
SECTION 27

3/4"=1'-0"



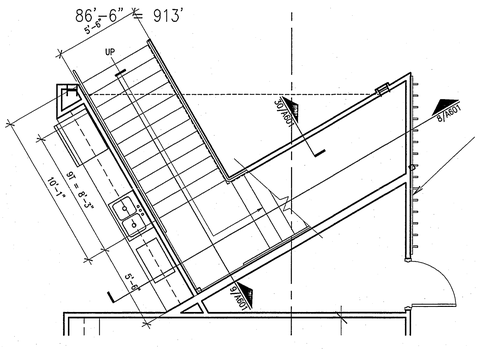
SECTION 22

1/4"=1'-0"



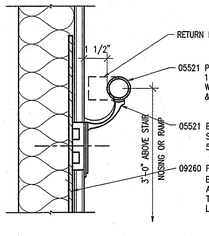
ENLARGED ELEVATOR PLAN 7

1/4"=1'-0"



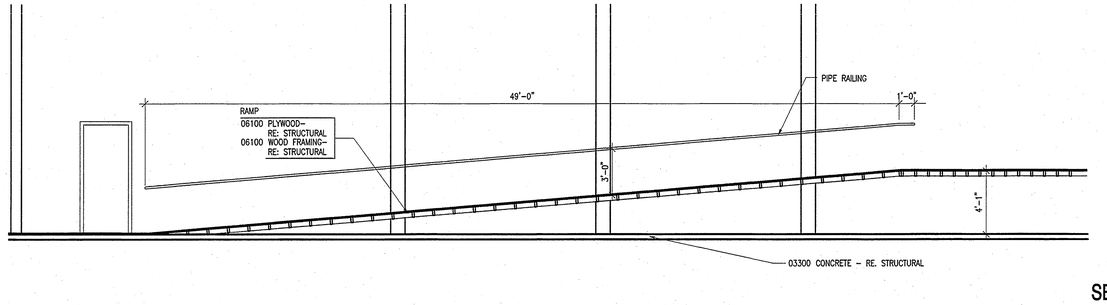
LOWER LEVEL ENLARGED STAIR PLAN 1

1/4"=1'-0"



SECTION 26

3"=1'-0"



SECTION 6

1/4"=1'-0"

Gould Evans Associates, LC

706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

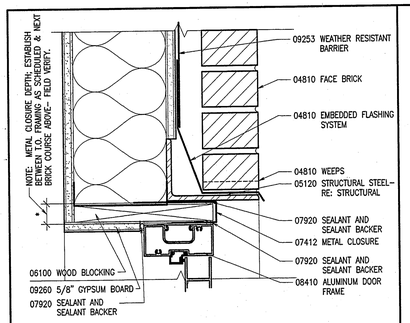
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

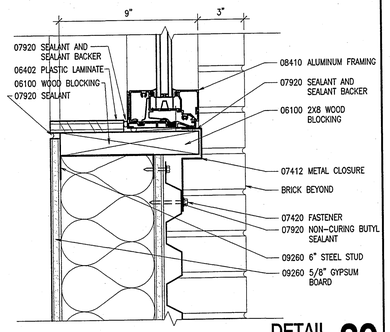
STAIR PLANS, SECTIONS, & DETAILS

A601

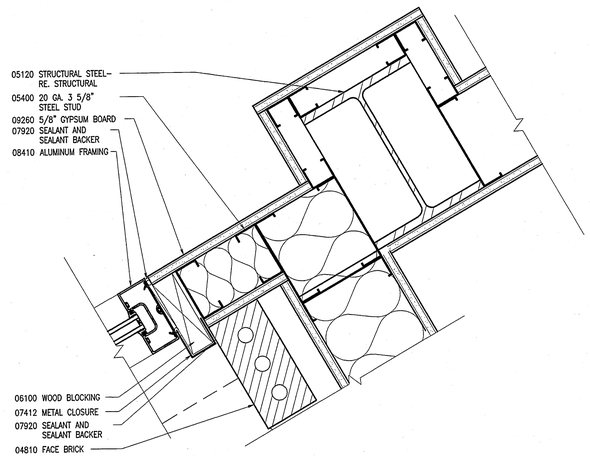
Bid Set



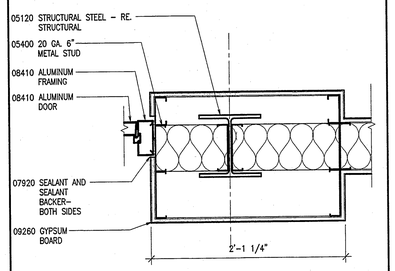
DETAIL **30**
3"=1'-0"



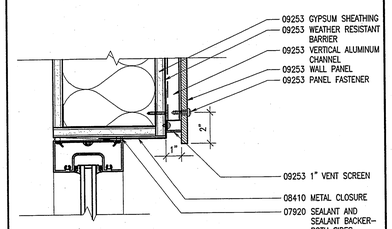
DETAIL **29**
3"=1'-0"



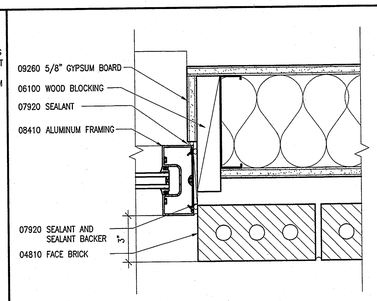
DETAIL **19**
3"=1'-0"



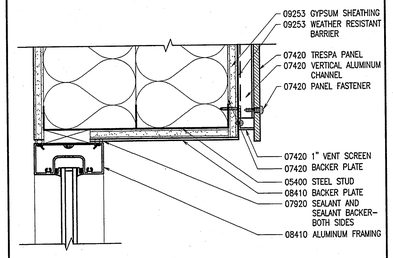
DETAIL **15**
1 1/2"=1'-0"



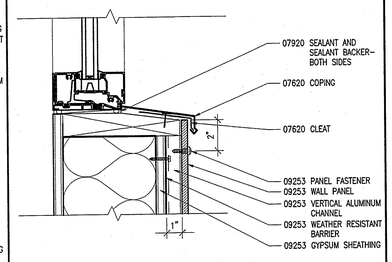
DETAIL **10**
3"=1'-0"



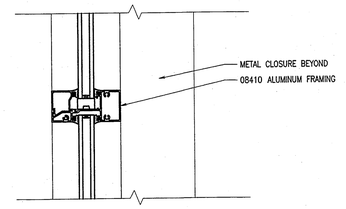
DETAIL **5**
3"=1'-0"



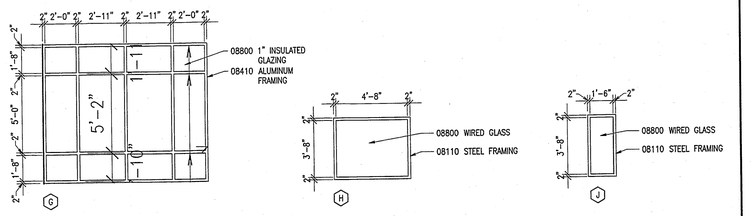
DETAIL **14**
3"=1'-0"



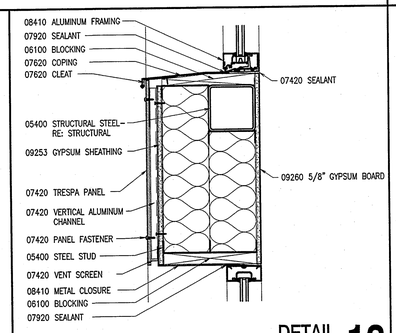
DETAIL **9**
3"=1'-0"



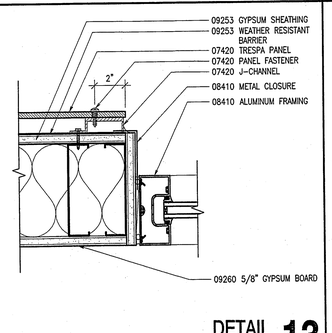
DETAIL **4**
3"=1'-0"



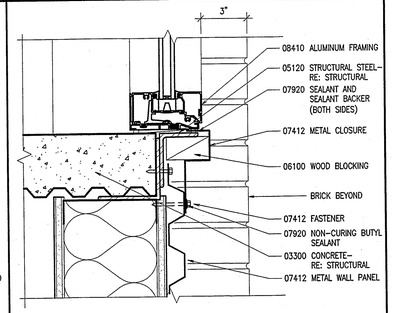
WINDOW TYPES **21**
1/4"=1'-0"



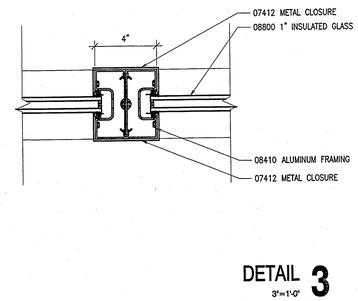
DETAIL **18**
1 1/2"=1'-0"



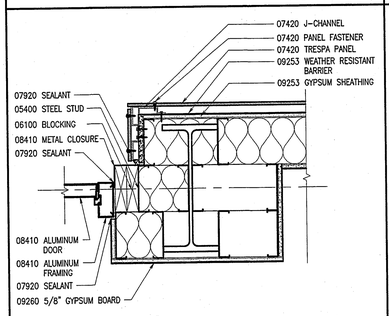
DETAIL **13**
3"=1'-0"



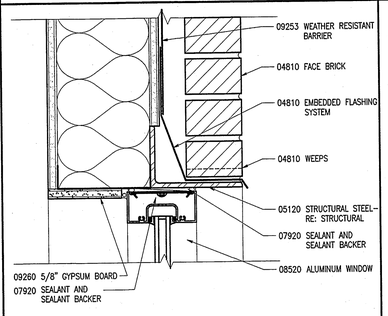
DETAIL **8**
3"=1'-0"



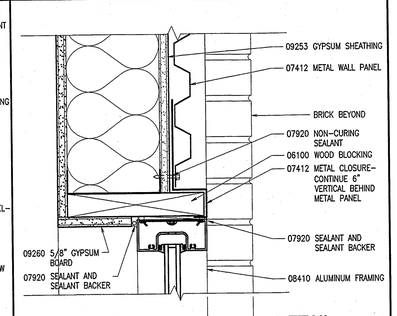
DETAIL **3**
3"=1'-0"



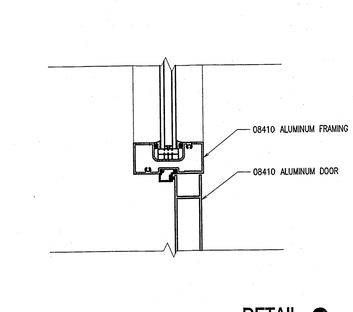
DETAIL **17**
1 1/2"=1'-0"



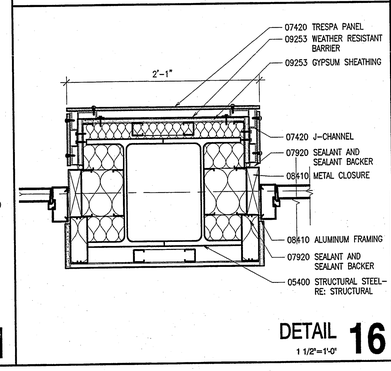
DETAIL **12**
3"=1'-0"



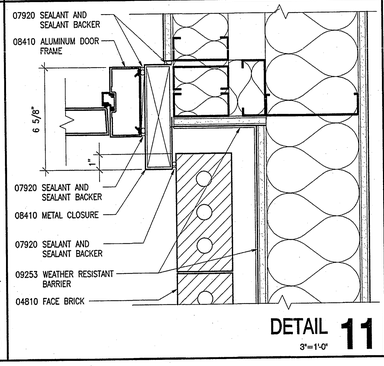
DETAIL **7**
3"=1'-0"



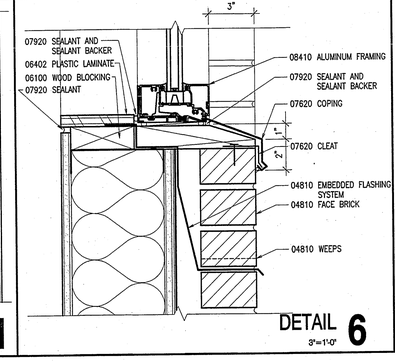
DETAIL **2**
3"=1'-0"



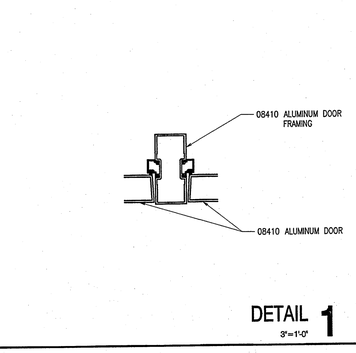
DETAIL **16**
1 1/2"=1'-0"



DETAIL **11**
3"=1'-0"



DETAIL **6**
3"=1'-0"



DETAIL **1**
3"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

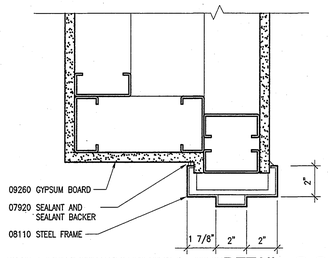
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

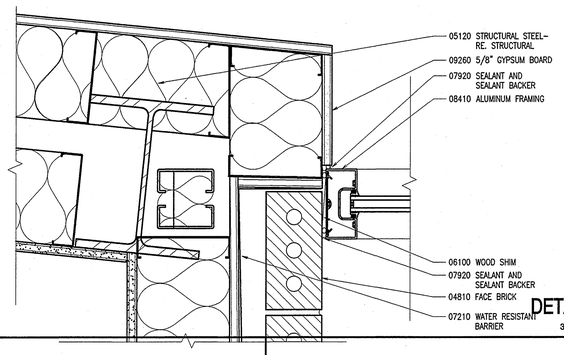
WINDOW & DOOR DETAILS

A751

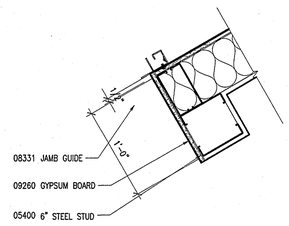
Bid Set



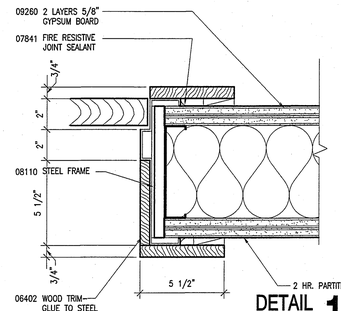
DETAIL 30
3"=1'-0"



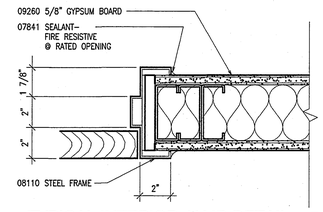
DETAIL 20
3"=1'-0"



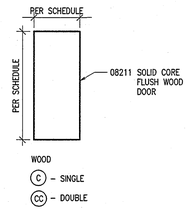
DETAIL 15
1 1/2"=1'-0"

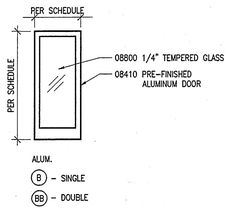


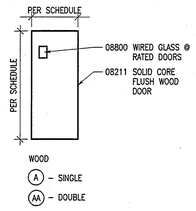
DETAIL 10
3"=1'-0"



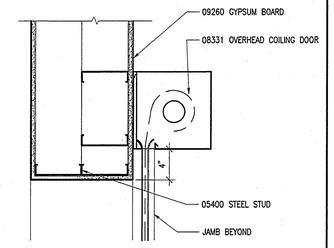
TYPICAL INTERIOR JAMB DETAIL 5
3"=1'-0"



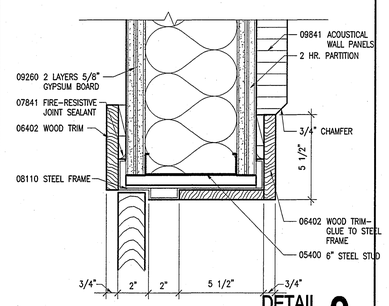




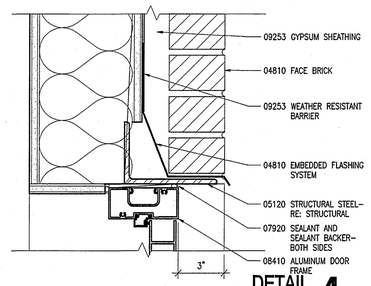
DOOR TYPES 24
1/4"=1'-0"



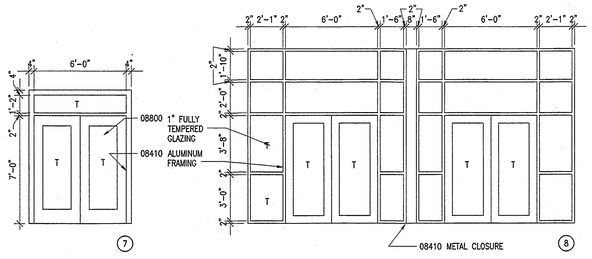
DETAIL 14
1 1/2"=1'-0"

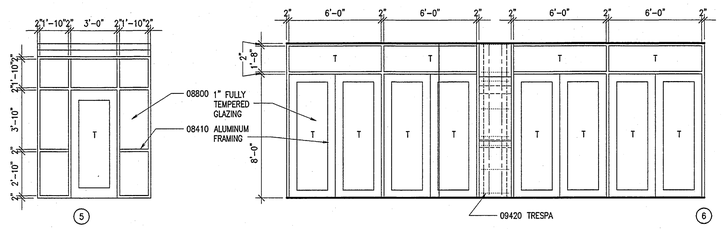


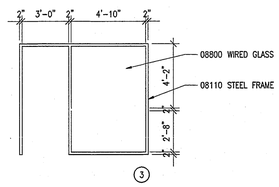
DETAIL 9
3"=1'-0"

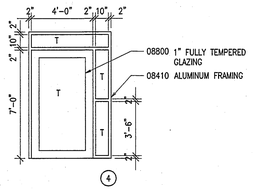


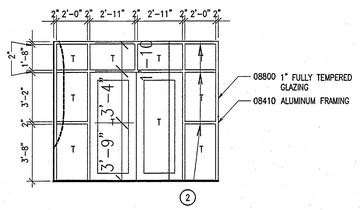
DETAIL 4
3"=1'-0"

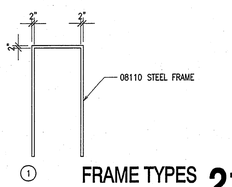




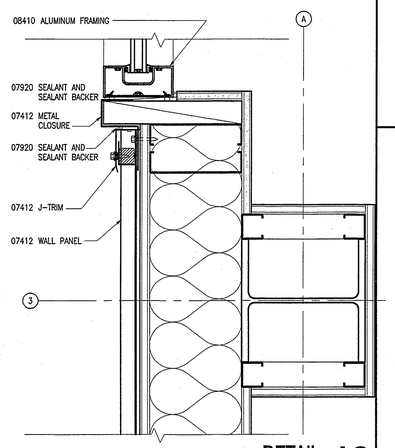




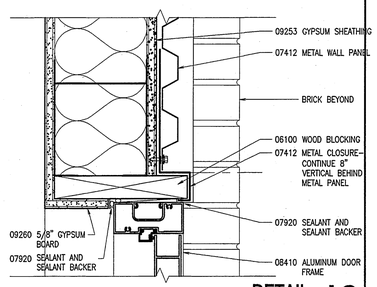




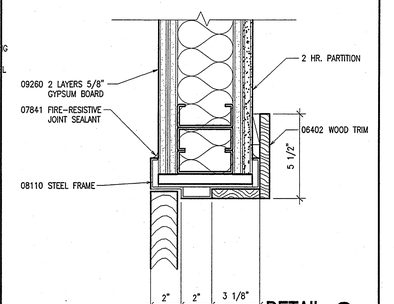
FRAME TYPES 21
1/4"=1'-0"



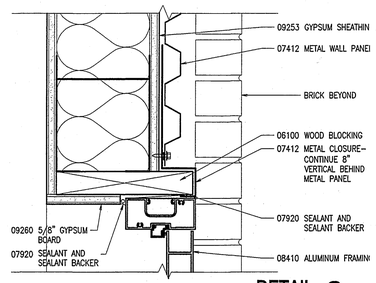
DETAIL 18
3"=1'-0"



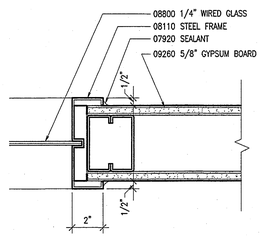
DETAIL 13
3"=1'-0"



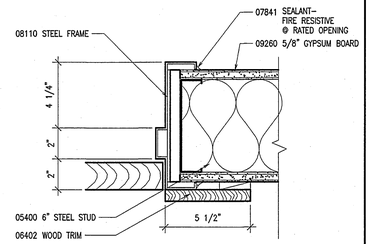
DETAIL 8
3"=1'-0"



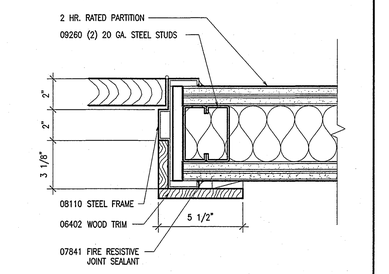
DETAIL 3
3"=1'-0"



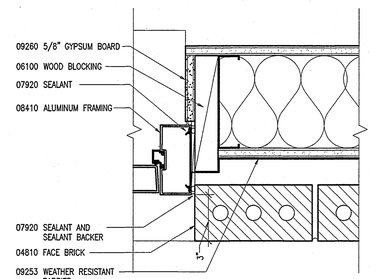
DETAIL 17
3"=1'-0"



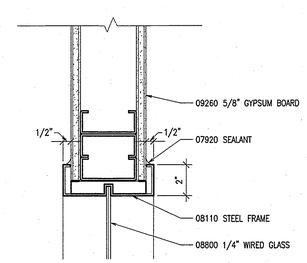
DETAIL 12
3"=1'-0"



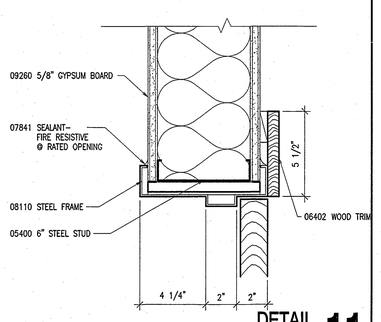
DETAIL 7
3"=1'-0"



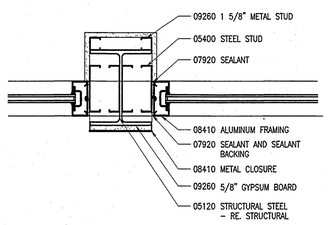
DETAIL 2
3"=1'-0"



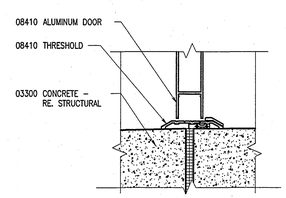
DETAIL 16
3"=1'-0"



DETAIL 11
3"=1'-0"



DETAIL 6
1 1/2"=1'-0"



DETAIL 1
3"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

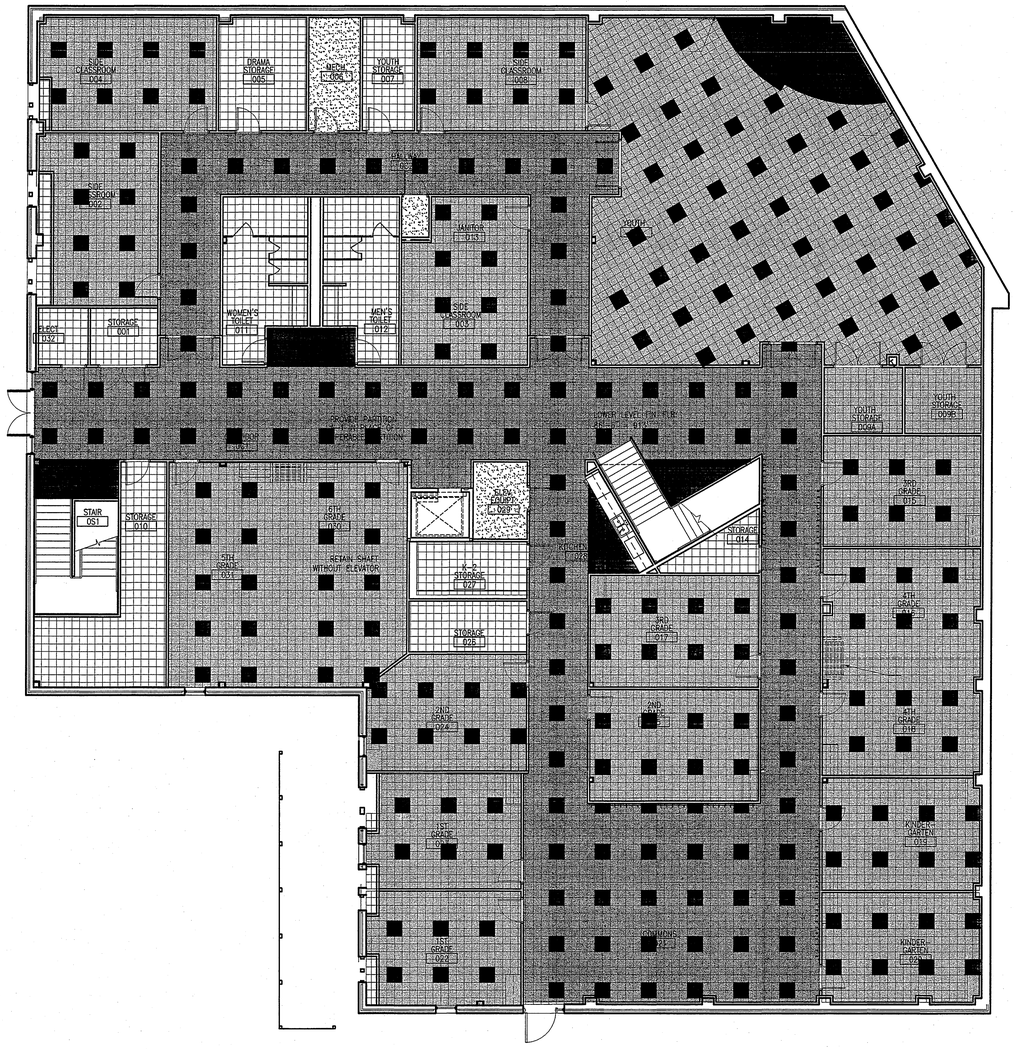
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

WINDOW/ DOOR DETAILS & DOOR/ FRAME TYPES

A752

Bid Set



PROVIDE PARTITION A-1 IN PLACE OF OPERABLE PARTITION

GENERAL FINISH NOTES

1. ALL PUBLIC AREAS W/ EXPOSED STRUCTURE TO HAVE STRUCTURE PAINTED.
2. RE: PROJECT MANUAL FOR FINISH SCHEDULE
3. IN AREAS WHERE BOTH CARPET AND VINYL COMPOSITION TILE ARE SHOWN, THE VINYL TILE IS THE BASE BID AND THE CARPETS AS INDICATED ARE ALTERNATES PER THE PROJECT MANUAL

FINISH LEGEND

BASE BID FLOORING
- CONCRETE, SEALED
- VINYL COMP.TILE
- TILE ACCENT
- CERAMIC TILE
- CARPET #1
- CARPET #2

ALTERNATE FLOORING
- CARPET ALTERNATE 10A
- CARPET ALTERNATE 10B

NORTH

LOWER LEVEL FINISH PLAN 17

1/8"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

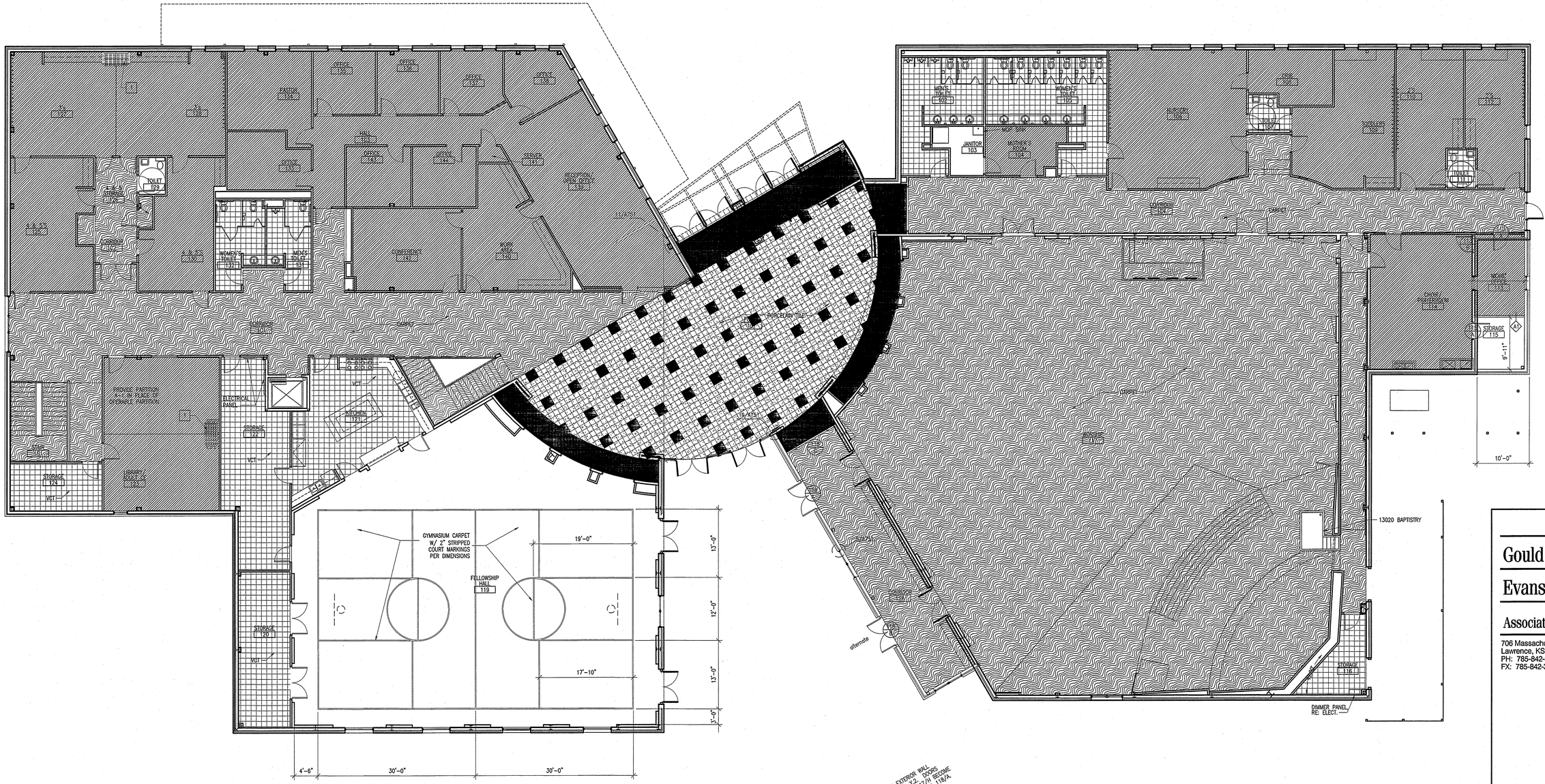
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

LOWER LEVEL FINISH PLAN

AF101

Bid Set



GENERAL FINISH NOTES

1. ALL PUBLIC AREAS W/ EXPOSED STRUCTURE TO HAVE STRUCTURE PAINTED.
2. RE: PROJECT MANUAL FOR FINISH SCHEDULE
3. IN AREAS WHERE BOTH CARPET AND VINYL COMPOSITION TILE ARE SHOWN, THE VINYL TILE IS THE BASE BID AND THE CARPETS AS INDICATED ARE ALTERNATES PER THE PROJECT MANUAL

FINISH LEGEND

BASE BID FLOORING
- CONCRETE, SEALED
- VINYL COMP.TILE
- TILE ACCENT
- CERAMIC TILE
- CARPET #1
- CARPET #2

ALTERNATE FLOORING
- CARPET ALTERNATE 10A
- CARPET ALTERNATE 10B

NORTH

FIRST FLOOR FINISH PLAN 2
1/8"=1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: April 15, 2002
Sheet:

FIRST FLOOR FINISH PLAN

AF102

Bid Set

GENERAL NOTES - STRUCTURAL

1. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.

2. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. All conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.

3. All design and construction work for this project shall conform to the requirements of the 1997 Uniform Building Code, as amended by the City of Salina, Kansas.

4. These drawings are for this specific project and no other use is authorized.

5. Structural Design Load Criteria:
   - A. Floor = 100 psf.
   - B. Roof = 30 psf.
   - C. Lateral Loads:
     - 1.) Wind V = 80 mph, exposure C.
     - 2.) Seismic Zone 1.

6. Concrete:
   - A. All concrete except exterior flat work shall develop a minimum ultimate compressive design strength of 3,000 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5 gallons of water per 100 pounds of cement and not over 4 inches of slump.
   - B. Concrete for exterior flatwork shall have a minimum design compressive strength of 4,500 psi in 28 days, with not less than 600 pounds of cement per cubic yard of concrete, not over 6 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
   - C. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any detail not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
   - D. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 225 square feet, or 15 feet on any side.
   - E. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
   - F. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
   - G. No aluminum items shall be embedded in any concrete.

7. Reinforcing steel:
   - A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall conform to the requirements of ASTM A185.
   - B. Clear minimum coverage of concrete over reinforcing steel shall be as follows:

Concrete placed against earth	3"
Formed concrete against earth	2"
Slabs	1"
Beams or Columns	1-1/2"
Other	2"

     All coverage shall be nominal bar diameter minimum.
   - C. All dowels shall be the same size and spacing as adjoining main bars (splice lap 40 bar diameters or 24" minimum unless noted otherwise).
   - D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 40 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars.
   - E. Bars marked continuous and all vertical steel shall be lapped 40 bar diameters (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
   - F. At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 80 diameters long) at each of four sides and add 2 - #5 x 5'-0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5, respectively.
   - G. Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
   - H. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 40 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
   - I. Allow 1/2 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions (labor for placing same to be included).

8. Structural Steel:
   - A. All structural and miscellaneous steel shall be ASTM A572 grade 50 steel for WF shapes, ASTM A36 for remainder of shapes. Fabrication and erection shall be in accordance with the latest edition (9th) of the AISC Manual of Steel Construction, except as follows:
     - Delete the second sentence of paragraph 4.2.1, page 5-224.
     - To paragraph 9.1, page 5-228, add "The project architectural drawings are a part of the structural steel design drawings by reference and must be used concurrently with the structural steel design drawings for any information not shown on the structural steel design drawings."
     - Delete paragraph 9.2, page 5-228 and insert the following: "Architectural, electrical, and mechanical plans shall be used as a supplement to the structural steel design drawings to define detail configurations and construction information."
     - Paragraph 9.3, page 5-228, change the last phrase of the first sentence to read ". . ., the plans govern." Also modify the last sentence to read, "In case of discrepancies between the structural steel plans and plans of other trades, such discrepancies shall be called to the architect / engineer's attention for correction of the discrepancy."
   - B. All welding shall conform to the recommendations of the AWS.
   - C. All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections" for the indicated reactions or at least 0.60 x beam total uniform load capacity shown in the allowable uniform load tables, whichever is greater. All connections must be two bolt minimum.
   - D. All anchor bolts shall be 3/4" diameter, ASTM A307 or A36 unless noted otherwise.
   - E. Design, fabrication and erection of all open-web bar joists shall comply with the recommendations of the Steel Joist Institute (SJI).
   - F. All K-series joists bearing on masonry walls shall have 6" x 5/16" x 6" bearing plates welded to bulbtees set in bond beams with 1" of 5/16" fillet weld each side (minimum). Bearing plates shall be located not more than 1/2" from the face of the wall on the bearing side. Joists shall bear 4" minimum on bearing plates and be welded to beams or bearing plates with 1" of 5/16" fillet weld each side (minimum).
   - G. All steel joists shall have horizontal bar or angle bridging per Steel Joist Institute Specifications. Provide rigid x-bridging in addition to and matching horizontal bridging where joists are discontinuous unless horizontal bridging is anchored to wall top and bottom. Joist sweep allowance shall comply with AISC Standard Practice. General contractor shall coordinate bridging locations with ductwork. Conflicts shall be brought to the attention of the aechitect/engineer for resolution.
   - H. All openings in steel joist roof to have 3 x 3 x 1/4" angle frame set between joists. Support mechanical equipment with 4 x 4 x 5/16" angles laid between joists framed to 4 x 4 x 5/16" angles (length equals mechanical unit dimension plus distance each end to next panel point) laid parallel to and welded to top and/or bottom cord of joists to distribute load to joist panel points.
   - I. All steel joists shall have a midspan camber approximately equal to that recommended by the Steel Joist Institute Specifications.
   - J. Design and installation of steel decking shall comply with the recommendations of the Steel Deck Institute (SDI). All decking shall be galvanized unless noted otherwise.
   - K. Allow 1/2 ton of structural steel shapes to be used as directed for special conditions (labor for placing and detailing to be included).

9. Foundations:
   - A. The soil investigation was prepared by Terracon of Wichita, Ks., The report number is 01015110 and the telephone number is (316) 262 0171.
   - B. Spread footings, grade beams, and retaining walls are designed to bear on engineered fill or undisturbed soil capable of safely sustaining 3,000 psf.
   - C. Retaining structures are designed for a lateral load of 50 pcf equivalent fluid pressure.
   - D. Contractor shall provide for dewatering at excavations from either surface water or seepage.
   - E. All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete.
   - F. All concrete in the structural portion retaining the backfill shall have attained its design strength prior to being backfilled.
   - G. Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

10. Light Gage Structural Stud Framing:
    - A. All load bearing, light gage structural studs, track, and bridging shall be of the type, size, gage, and spacing as shown on the plans.
    - B. All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 40,000 psi.
    - C. All properties, fabrication, and erection shall be in accordance with latest editions of the AISC "Specifications for the Design of Cold-Formed Structural Members."
    - D. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
    - E. Tracks shall be securely anchored to floor and overhead members. Special anchorage requirements required for wind bracing shall be as shown on the plans.
    - F. Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection, fabrication, attachments, anchorages, lintels, etc., for review by the architect/engineer.
    - G. Interior studs for tall walls shall be as follows:
      6" C-studs (1 5/8" flange with 1/2" return)

16' to 20' = 20 gage	24' to 28'=16 gage	32' to 36'=12 gage
20' to 24' = 18 gage	28' to 32'=14 gage	

11. Shop Drawing Review:
    - A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
    - B. Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
      1) Review each submission for performance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
      2) Review and approve each submission.
      3) Stamp each submission as approved;

      Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
    - C. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
      1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
      2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
      3) Grout mix designs (for CMU).
      4) Construction and control joint plans and/or elevations.
      5) Structural steel shop drawings including erection drawings and piece details. Include joist, decking and connector submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
      6) Structural steel connection design calculations.
      7) Miscellaneous anchors shown on the structural drawings.
      8) Standard details and bridging information for light gage metal framing. Erection plans and details for light gage metal joists and lintels spanning more than 6'-0" shall be submitted. Standard wall framing need not be submitted.
    - E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp.

12. Structural Special Inspection:
    - A. The owner shall employ one or more qualified special inspectors to provide inspections during construction in accordance with Section 1701.5 of the 1997 Uniform Building Code.
    - B. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
    - C. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
    - D. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.

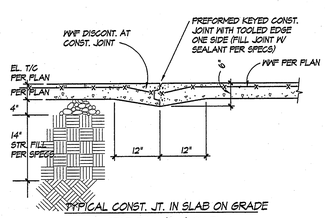
13. Copyright and Disclaimer:
    - A. All drawings in the structural set numbered S-100 through S-303 are the copyrighted work of Bob D. Campbell and Company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
    - B. I, Steven R. Carroll, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of sheets S-100 through S-303. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

Steven R. Carroll, P.E. — Date: 4-15-02

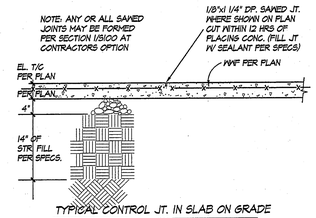
STEEL LINTEL SCHEDULE FOR BRICK OPENINGS:

SPAN	ANGLE SIZE
0'-0" TO 8'-0"	L-4"x4"x5/16"
8'-0" TO 12'-0"	L-6"x4"x5/16" (LLV)

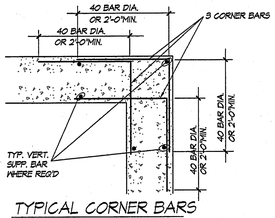
1. All brick lintels to have 8" minimum bearing each end and set loose.
2. All exterior brick lintels to be galvanized.



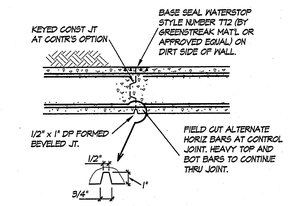
SECTION 1/5100 — 3/4" = 1'-0"



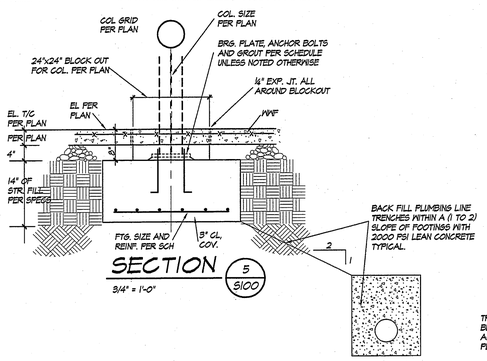
SECTION 2/5100 — 3/4" = 1'-0"



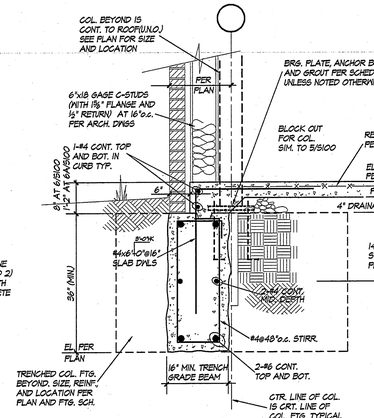
SECTION 3/5100 — 3/4" = 1'-0"



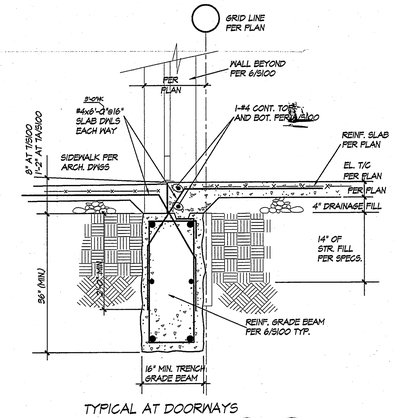
4/5100 — 3/4" = 1'-0"



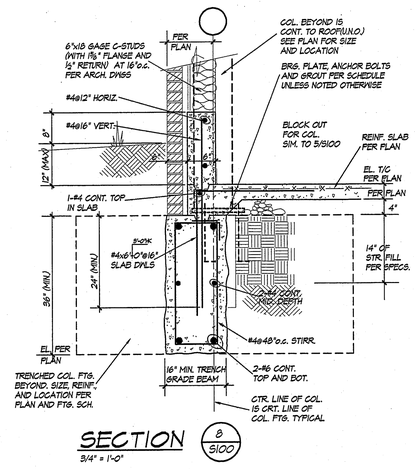
5/5100 — 3/4" = 1'-0"



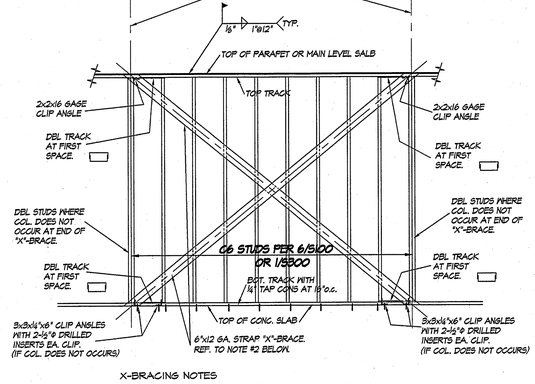
6/5100 6A/5100 — 3/4" = 1'-0"



7/5100 7A/5100 — 3/4" = 1'-0"



8/5100 — 3/4" = 1'-0"



X-BRACING NOTES
1. X-bracing to be 6" x 12 gage strap both sides of wall.
2. Weld to each stud with 1" of 1/8" fillet top and bottom of strap.
3. Weld to columns where they occur with 6" of 1/8" fillet.
4. Provide double studs where columns do not occur.
5. Provide 18 gage C-studs at interior walls with X-bracing.

SECTION 9/S100 — 3/8" = 1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax - (816) 531-8572

© 2001 - BOB D. CAMPBELL & CO., INC

FIRST COVENANT CHURCH

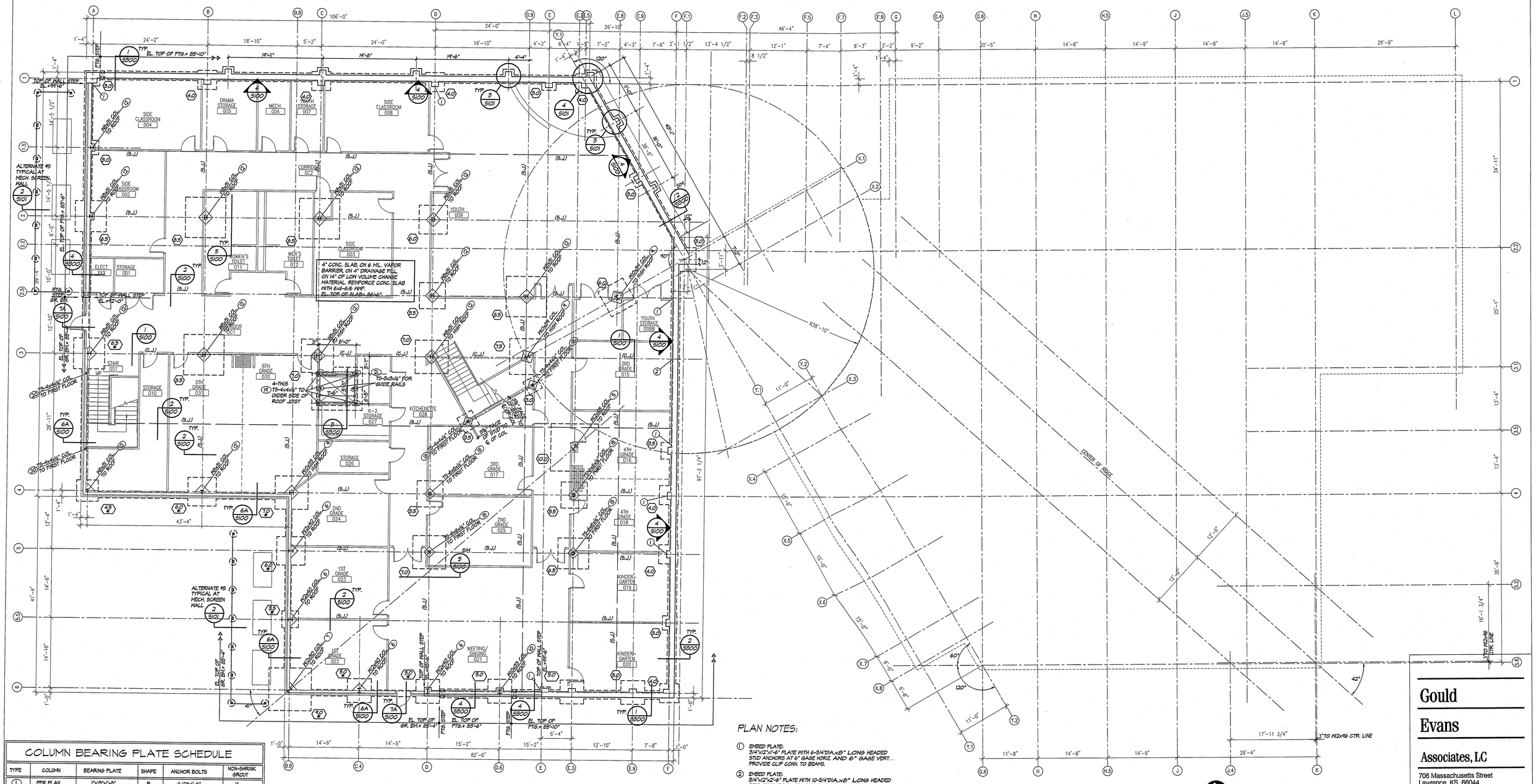
MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

Project no: 0100-0160
Date: 04-15-2002
Sheet:

GENERAL NOTES AND TYPICAL DETAILS

S100

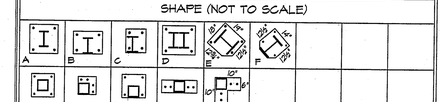
100% BID SET



COLUMN BEARING PLATE SCHEDULE

TYPE	COLUMN	BEARING PLATE	SHAPE	ANCHOR BOLTS	NON-SHRINK GROUT
(1)	PER PLAN	1"x18"x1'-8"	B	4-1"ø x1'-6"	1"
(2)	PER PLAN	1"x17"x2'-2"	D	4-1"ø x1'-6"	1"
(3)	PER PLAN	1"x18"x1'-7"	A	4-1"ø x1'-6"	1"
(4)	PER PLAN	1"x18"x1'-7"	E	4-1"ø x1'-6"	1"
(5)	PER PLAN	¾"x14"x1'-6"	A	4-¾"ø x1'-3"	1"
(6)	PER PLAN	¾"x14"x1'-3"	B	4-¾"ø x1'-3"	1"
(7)	PER PLAN	¾"x14"x1'-3"	F	4-¾"ø x1'-3"	1"
(8)	PER PLAN	¾"x12"x1'-6"	A	4-¾"ø x1'-3"	1"
(9)	PER PLAN	¾"x14"x1'-4"	A	4-¾"ø x1'-3"	1"
(10)	PER PLAN	¾"x18"x1'-2"	B	4-¾"ø x1'-3"	1"
(11)	PER PLAN	¾"x12"x1'-0"	C	4-¾"ø x1'-3"	1"
(12)	PER PLAN	¾"x14"x1'-2"	A	4-¾"ø x1'-3"	1"
(13)	PER PLAN	¾"x11"x1'-2"	B	4-¾"ø x1'-3"	1"
(14)	PER PLAN	¾"x11"x0'-11"	H	4-¾"ø x1'-3"	1"
(15)	PER PLAN	¾"x12"x1'-0"	G	4-¾"ø x1'-3"	1"
(16)	PER PLAN	¾"x14"x0'-9"	H	4-¾"ø x1'-3"	1"
(17)	PER PLAN	¾"x14"x1'-0"	I	4-¾"ø x1'-3"	1"
(18)	PER PLAN	¾"x10"x0'-10"	G	4-¾"ø x1'-3"	1"
(19)	PER PLAN	¾"x6"x0'-10" EA. WAY	K	4-¾"ø x1'-3"	1"
(20)	PER PLAN	¾"x5"x1'-4"	J	4-¾"ø x1'-3"	1"
(21)	PER PLAN	¾"x14"x1'-3"	J	4-¾"ø x1'-3"	1"

SHAPE (NOT TO SCALE)



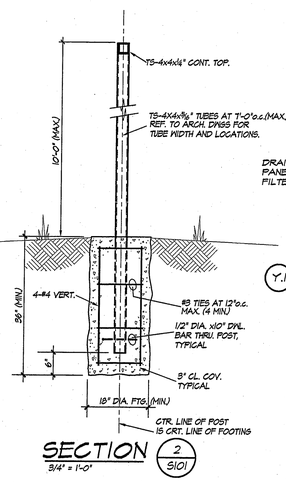
NOTES:
1. SEE PLAN FOR ORIENTATION OF COLUMNS.
2. ALL COLUMNS SHALL BE CONTINUOUS WITH NO SPLICES.
3. ANCHOR BOLT LENGTH INCLUDES HOOK.

CONCRETE FOOTING SCHEDULE
(FOOTINGS FOR BASEMENT LEVEL)

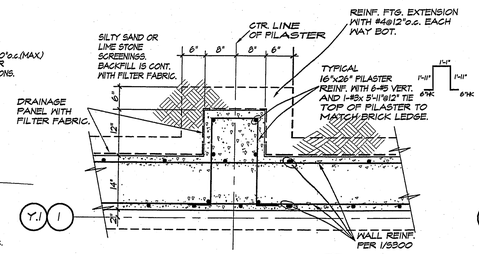
SOIL PRESSURE (PSF): 2500	CONCRETE (PSI): 3000	REBAR (KSI): 60

TYPE	FOOTING SIZE (FT.) THICKNESS (IN)	BAR SIZE/EA. WAY SPACING (IN)	CAPACITY (IN KIPS)
(9.0)	3'-0" x 3'-0" x 14"	#4@12" BOT.	21 K
(9.5)	3'-6" x 3'-6" x 14"	#4@12" BOT.	24 K
(9.5)*	3'-6" x 3'-6" x 36"	#4@12" BOT.	26 K
(4.0)	4'-0" x 4'-0" x 14"	#4@12" BOT.	38 K
(4.5)*	4'-6" x 4'-6" x 36"	#4@12" BOT.	48 K
(5.0)	5'-0" x 5'-0" x 14"	#4@8" BOT.	59 K
(5.0)*	5'-0" x 5'-0" x 36"	#4@8" BOT.	53 K
(5.5)	5'-6" x 5'-6" x 14"	#4@8" BOT.	70 K
(6.0)	6'-0" x 6'-0" x 14"	#4@6" BOT.	83 K
(6.0)*	6'-0" x 6'-0" x 36"	#4@6" BOT.	77 K
(6.5)	6'-6" x 6'-6" x 14"	#5@8" BOT.	98 K
(6.5)*	6'-6" x 6'-6" x 36"	#5@8" BOT.	90 K
(7.0)	7'-0" x 7'-0" x 18"	#5@8" BOT.	111 K
(7.0)*	7'-0" x 7'-0" x 36"	#5@8" BOT.	104 K
(7.5)	7'-6" x 7'-6" x 18"	#5@6" BOT.	126 K
(8.5)	8'-6" x 8'-6" x 21"	#5@6" BOT.	162 K
(9.5)*	9'-0" x 9'-0" x 36"	#5@6" BOT.	172 K
(10.0)	10'-0" x 10'-0" x 24"	#5@6" BOT.	220 K

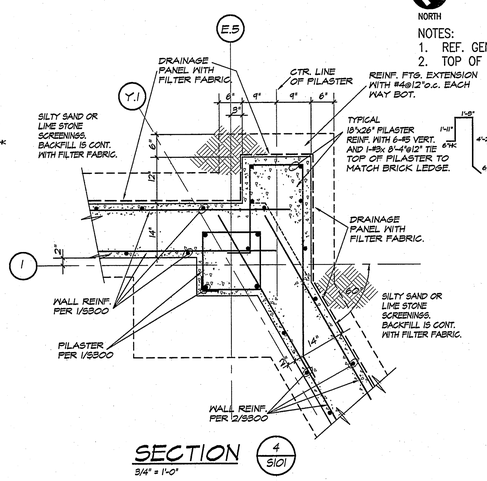
FOOTING SCHEDULE NOTES
1. FOOTINGS ARE CENTERED ON GRID LINES UNLESS NOTED OTHERWISE.
2. (*) INDICATES FOOTING PLACED MONOLITHIC WITH GARDE BEAM. GRADE BEAM REINFORCING SHALL CONTINUE THRU COLUMN FOOTING.



SECTION 2 S101
3/4" = 1'-0"



SECTION 3 S101
3/4" = 1'-0"



SECTION 4 S101
3/4" = 1'-0"

PLAN NOTES:

1. EMBED PLATE: 3/4"x12"x1'-6" PLATE WITH 6-3/4"DIA.xB" LONG HEADED STD ANCHORS AT 6" GAGE HORIZ. AND 6" GAGE VERT.. PROVIDE CLIP CONN. TO BEAMS.
2. EMBED PLATE: 3/4"x12"x2'-6" PLATE WITH 10-3/4"DIA.xB" LONG HEADED STUD ANCHORS AT 6" GAGE HORIZ. AND 6" GAGE VERT.. PROVIDE CLIP CONN. TO BEAMS.

NORTH

BASEMENT PLAN 1
1/8"=1'-0"

NOTES:
1. REF. GENERAL NOTES – STRUCTURAL ON SHT. S100
2. TOP OF INTERIOR FOOTINGS TO BE 85'-10" (U.N.O.)

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572

© 2001 – BOB D. CAMPBELL & CO., INC.

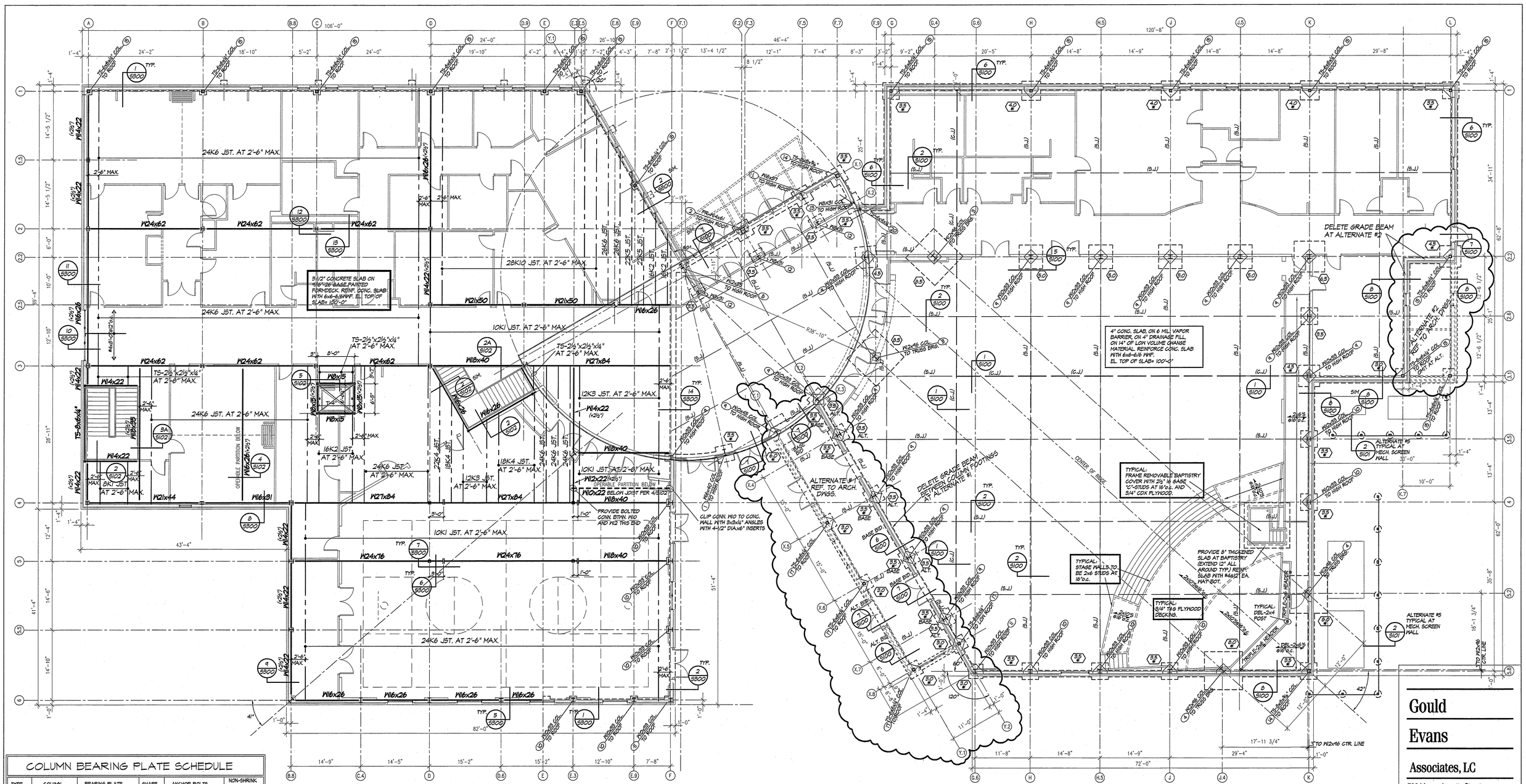
FIRST COVENANT CHURCH
MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

Project no: 0100-0160
Date: 04-15-2002
Sheet:

BASEMENT PLAN
S101

100% BID SET

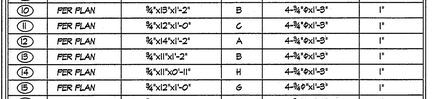
STEVEN K. VINCENT — 11919 — 4-15-02 — KANSAS — PROFESSIONAL ENGINEER



COLUMN BEARING PLATE SCHEDULE

TYPE	COLUMN	BEARING PLATE	SHAPE	ANCHOR BOLTS	NON-SHRINK GROUT
①	PER PLAN	1'x1'x1'-8"	B	4-1"Ø x1'-6"	1"
②	PER PLAN	1'x1'x2'-2"	D	4-1"Ø x1'-6"	1"
③	PER PLAN	1'x1'x1'-7"	A	4-1"Ø x1'-6"	1"
④	PER PLAN	1'x1'x1'-7"	E	4-1"Ø x1'-6"	1"
⑤	PER PLAN	1'-6"x14"x1'-6"	A	4-1"Ø x1'-3"	1"
⑥	PER PLAN	1'-6"x14"x1'-5"	B	4-1"Ø x1'-3"	1"
⑦	PER PLAN	1'-6"x14"x1'-5"	F	4-1"Ø x1'-3"	1"
⑧	PER PLAN	1'-6"x12"x1'-6"	A	4-1"Ø x1'-3"	1"
⑨	PER PLAN	1'-6"x14"x1'-4"	A	4-1"Ø x1'-3"	1"
⑩	PER PLAN	1'-6"x15"x1'-2"	B	4-1"Ø x1'-3"	1"
⑪	PER PLAN	1'-6"x12"x1'-0"	C	4-1"Ø x1'-3"	1"
⑫	PER PLAN	1'-6"x14"x1'-2"	A	4-1"Ø x1'-3"	1"
⑬	PER PLAN	1'-6"x11"x1'-2"	B	4-1"Ø x1'-3"	1"
⑭	PER PLAN	1'-6"x11"x0'-11"	H	4-1"Ø x1'-3"	1"
⑮	PER PLAN	1'-6"x12"x1'-0"	G	4-1"Ø x1'-3"	1"
⑯	PER PLAN	1'-6"x1'x0'-9"	H	4-1"Ø x1'-3"	1"
⑰	PER PLAN	1'-6"x1'x1'-0"	I	4-1"Ø x1'-3"	1"
⑱	PER PLAN	1'-6"x10"x0'-10"	G	4-1"Ø x1'-3"	1"
⑲	PER PLAN	1'-6"x8"x0'-10" EA. WAY.	K	4-1"Ø x1'-3"	1"
⑳	PER PLAN	1'-6"x5"x1'-4"	J	4-1"Ø x1'-3"	1"
㉑	PER PLAN	1'-6"x4"x1'-3"	J	4-1"Ø x1'-3"	1"

SHAPE (NOT TO SCALE)

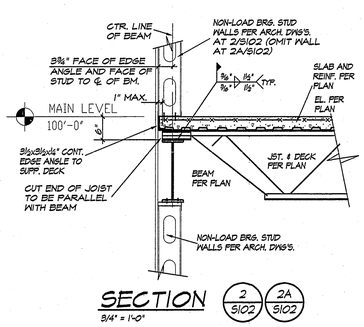


NOTES:
1. SEE PLAN FOR ORIENTATION OF COLUMNS.
2. ALL COLUMNS SHALL BE CONTINUOUS WITH NO SPLICES.
3. ANCHOR BOLT LENGTH INCLUDES HOOK.

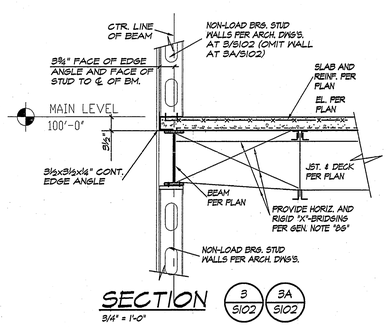
CONCRETE FOOTING SCHEDULE
(FOOTINGS FOR FIRST FLOOR)

SOIL PRESSURE (PSF). 2000		CONCRETE (PSI). 3000	REBAR (KSI). 60
TYPE	FOOTING SIZE (FT.) THICKNESS (IN)	BAR SIZE/EA. WAY SPACING (IN.)	CAPACITY (IN KIPS)
⟨3.0⟩	3'-0" x 3'-0" x 36"	#4@12" BOT.	15ᴷ
⟨3.5⟩	3'-6" x 3'-6" x 14"	#4@12" BOT.	23ᴷ
⟨3.5⟩	3'-6" x 3'-6" x 36"	#4@12" BOT.	20ᴷ
⟨4.0⟩	4'-0" x 4'-0" x 36"	#4@12" BOT.	26ᴷ
⟨4.5⟩	4'-6" x 4'-6" x 14"	#4@12" BOT.	57ᴷ
⟨4.5⟩	4'-6" x 4'-6" x 36"	#4@8" BOT.	33ᴷ
⟨5.0⟩	5'-0" x 5'-0" x 14"	#4@8" BOT.	46ᴷ
⟨6.0⟩	6'-0" x 6'-0" x 36"	#4@6" BOT.	54ᴷ
⟨6.5⟩	6'-6" x 6'-6" x 14"	#5@8" BOT.	77ᴷ
⟨8.0⟩	8'-0" x 8'-0" x 36"	#5@6" BOT.	104ᴷ
⟨8.5⟩	8'-6" x 8'-6" x 18"	#5@6" BOT.	126ᴷ

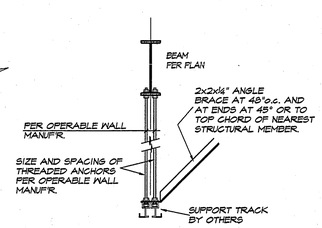
FOOTING SCHEDULE NOTES
1. FOOTINGS ARE CENTERED ON GRID LINES UNLESS NOTED OTHERWISE.
2. (●) INDICATES FOOTING PLACED MONOLITHIC WITH GARDE BEAM. GRADE BEAM REINFORCING SHALL CONTINUE THRU COLUMN FOOTING.



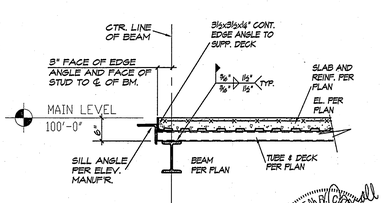
SECTION 2/S102 2A/S102
3/4" = 1'-0"



SECTION 3 S102 3A S102
3/4" = 1'-0"



SECTION 4 S102
3/4" = 1'-0"



SECTION 5 S102
3/4" = 1'-0"

NORTH

FIRST FLOOR PLAN 1
1/8"=1'-0"

NOTES:
1. REF. GENERAL NOTES – STRUCTURAL ON SHT. S100
2. TOP OF INTERIOR FOOTINGS TO BE 99'-4" (U.N.O.)
3. TOP OF STEEL EL.= 99'-6" UNLESS NOTED (±)
4. FLOOR DESIGN LIVE LOAD= 100PSF.

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572
© 2001 – BOB D. CAMPBELL & CO., INC

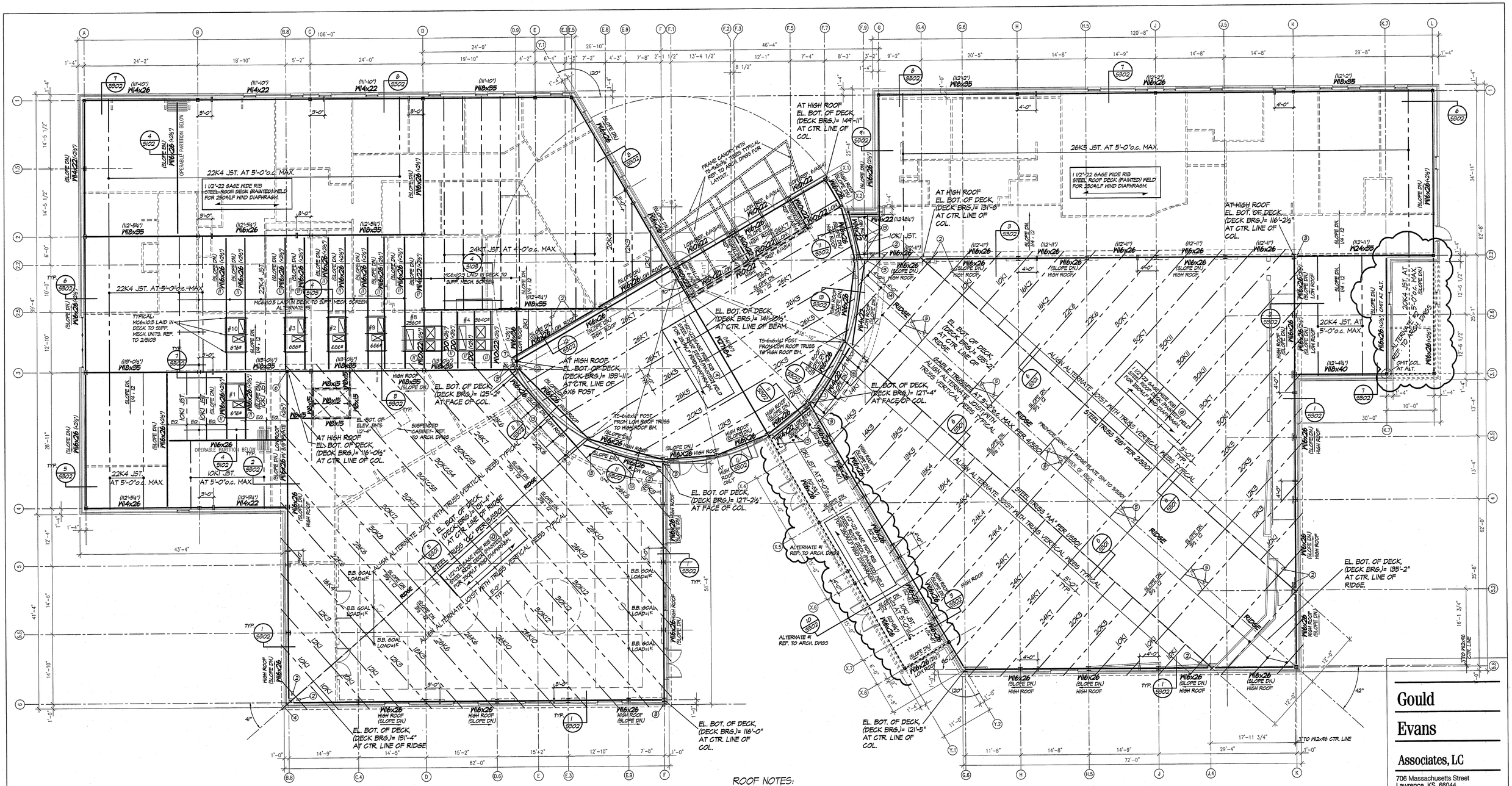
FIRST COVENANT CHURCH
MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

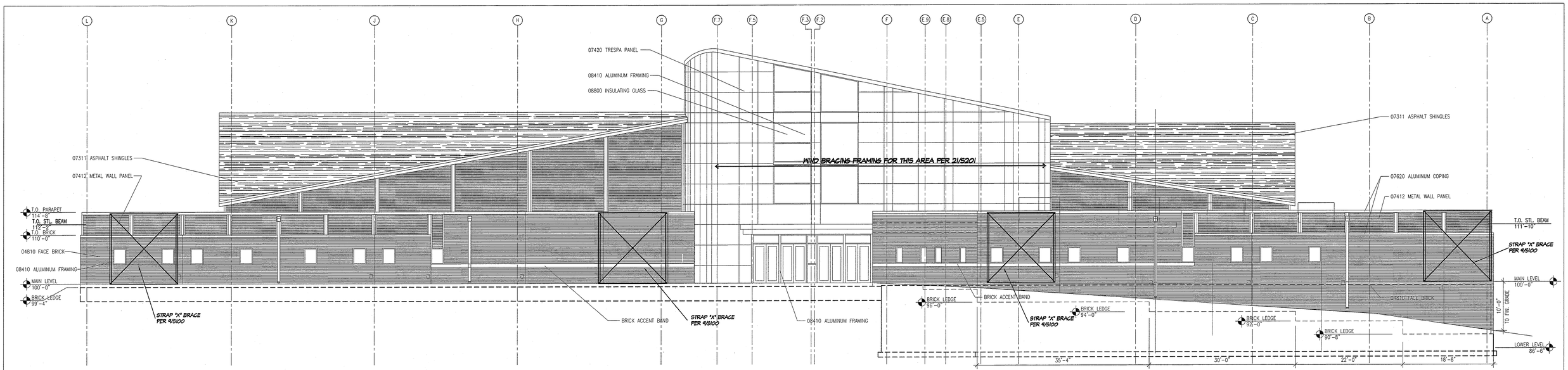
Project no: 0100-0160
Date: 04-15-2002
Sheet:

FIRST FLOOR PLAN
S102

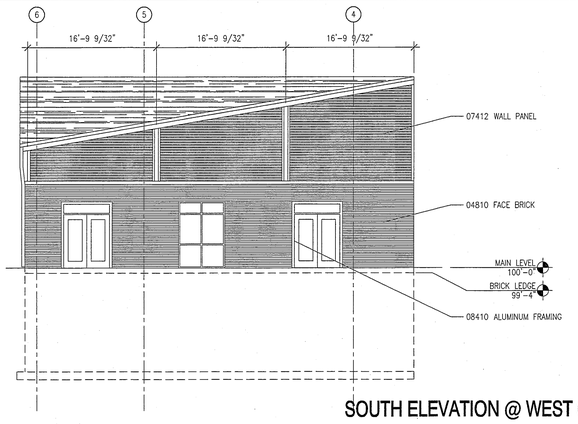
100% BID SET

CHRISTOPHER C. CAMPBELL
REGISTERED
4-15-02
411919
KANSAS
PROFESSIONAL ENGINEER

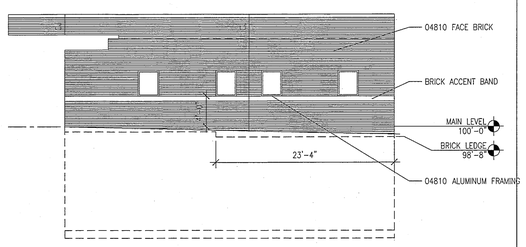

22K4 JST. AT 5'-0"o.c. MAX.
1 1/2"-22 GAGE WIDE RIB STEEL ROOF DECK (PAINTED) WELD FOR 250#/LF WIND DIAPHRAGM.
24K7 JST. AT 4'-0"o.c. MAX.
26K5 JST. AT 5'-0"o.c. MAX.
20K4 JST. AT 5'-0"o.c. MAX.
10K1 JST. AT 5'-0"o.c. MAX.
AT HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 149'-11" AT CTR. LINE OF COL.
AT HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 131'-8" AT CTR. LINE OF COL.
AT HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 116'-2½" AT CTR. LINE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 141'-0½" AT CTR. LINE OF BEAM.
AT HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 133'-11" AT CTR. LINE OF 6X6 POST
EL. BOT. OF DECK, (DECK BRG.)= 125'-3" AT FACE OF COL.
AT HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 116'-0½" AT CTR. LINE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 127'-4" AT FACE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 127'-2½" AT FACE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 131'-4" AT CTR. LINE OF RIDGE
EL. BOT. OF DECK, (DECK BRG.)= 116'-0" AT CTR. LINE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 121'-5" AT CTR. LINE OF COL.
EL. BOT. OF DECK, (DECK BRG.)= 135'-2" AT CTR. LINE OF RIDGE.
STEEL TRUSS "B1" PER 2/S201
STEEL TRUSS "A1" PER 1/S201
ALIGN ALTERNATE JOIST WITH TRUSS VERTICAL WEBS TYPICAL
ALTERNATE #1 REF. TO ARCH. DWGS
ALTERNATE #2 REF. TO ARCH. DWGS
OPERABLE PARTITION BELOW
SUSPENDED CABINET- REF. TO ARCH. DWGS
TYPICAL MC6x10.5 LAID IN DECK TO SUPP. MECH. UNITS, REF. TO 2/S103
MC6x10.5 LAID IN DECK TO SUPP. MECH. SCREEN
ALTERNATE #2
HIGH ROOF EL. BOT. OF ELEV. BM'S
TS-6x6x¼ POST FROM LOW ROOF TRUSS TO HIGH ROOF BM.
TS-6x6x¼ POST FROM LOW W16 ROOF BEAM TO HIGH W16 ROOF BEAM.
TRAME CANOPY WITH TS-3x3x¼ TUBES TYPICAL REF. TO ARCH. DWGS FOR LAYOUT.
AT-HIGH ROOF EL. BOT. OF DECK, (DECK BRG.)= 116'-2½" AT CTR. LINE OF COL.
20K4 JST. AT 5'-0"o.c. MAX. REF. TO ARCH. DWGS. ALTERNATE #2
OMIT COL. AT ALT.
W16x26 (SLOPE DN) HIGH ROOF
W16x26 (SLOPE DN) LOW ROOF
W16x26 (SLOPE DN) HIGH ROOF (SLOPE DN)
W16x26 (SLOPE DN) HIGH ROOF (SLOPE DN)
W16x26 (SLOPE DN) LOW ROOF (SLOPE DN)
W16x26 (SLOPE DN) TIER ROOF
W16x26 (SLOPE DN) LOW ROOF
W16x26 (SLOPE DN) HIGH ROOF



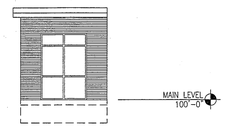
EAST ELEVATION 4
1/8"=1'-0"



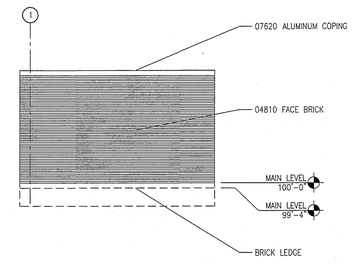
SOUTH ELEVATION @ WEST COURTYARD 23
1/8"=1'-0"



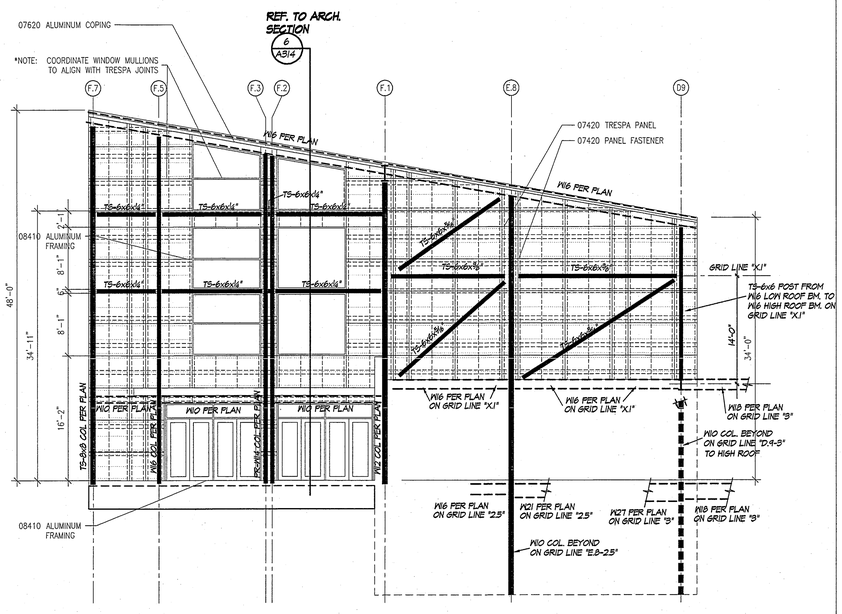
SOUTH ELEVATION @ ENTRY PLAZA 13
1/8"=1'-0"



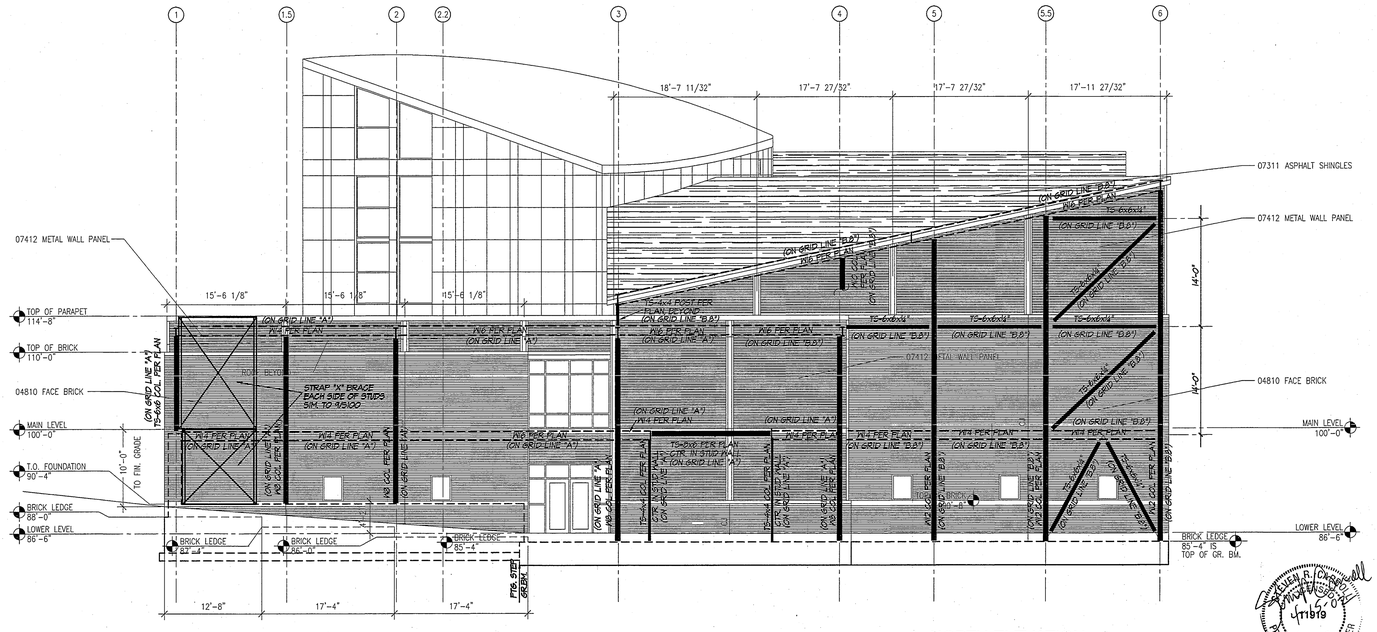
WEST ELEVATION @ WEST COURTYARD 8
1/8"=1'-0"



NORTH ELEVATION @ ENTRY PLAZA 3
1/8"=1'-0"



EAST ELEVATION @ ENTRY PLAZA 21
1/8"=1'-0"



NORTH ELEVATION 1
1/8"=1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

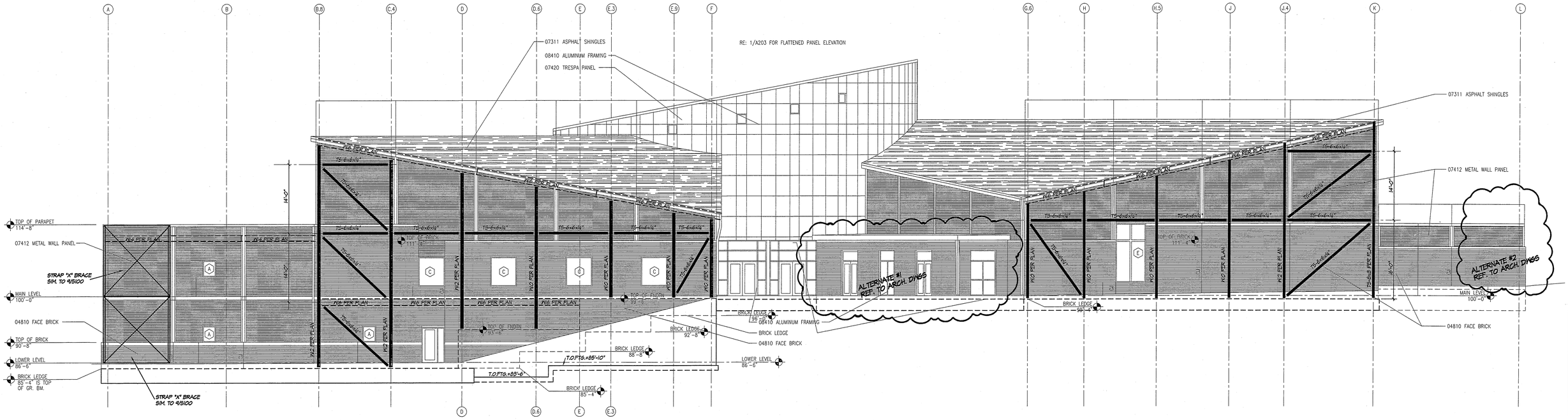
BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572
© 2001 – BOB D. CAMPBELL & CO., INC.

FIRST COVENANT CHURCH
MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

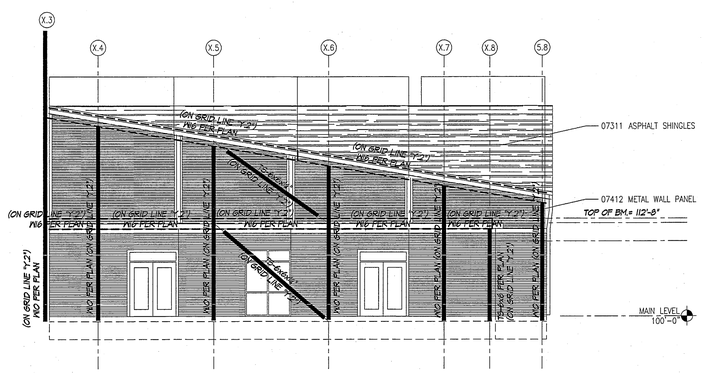
Project no: 0100-0160
Date: 04-15-2002
Sheet:

EXTERIOR ELEVATIONS
S201

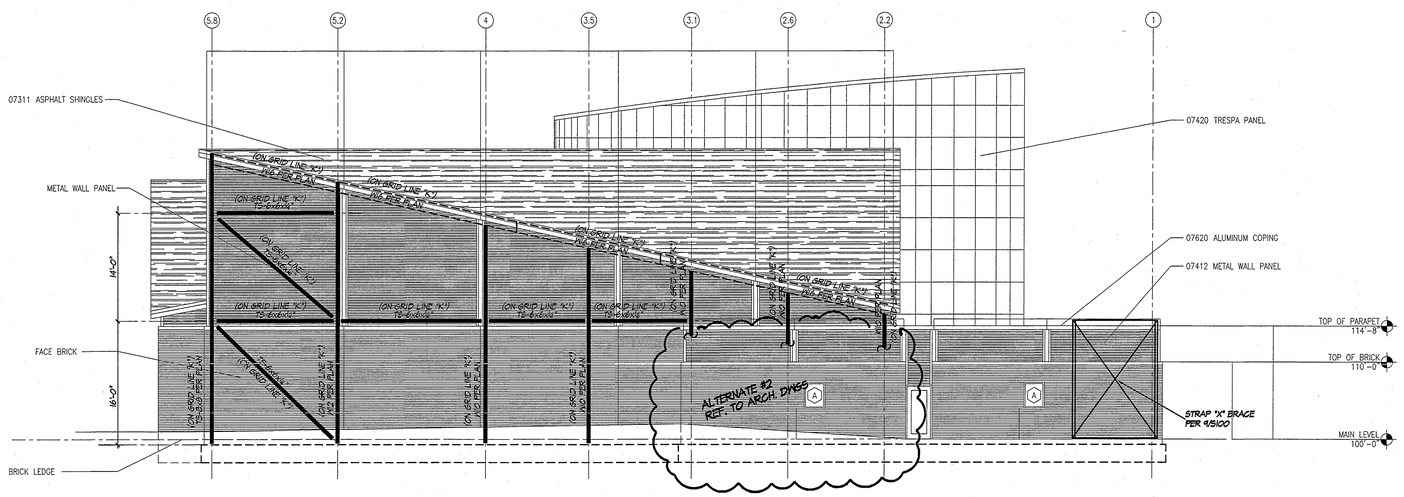
100% BID SET



WEST ELEVATION 3
1/8"=1'-0"



NORTH ELEVATION @ WEST COURTYARD 21
1/8"=1'-0"



SOUTH ELEVATION 1
1/8"=1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572

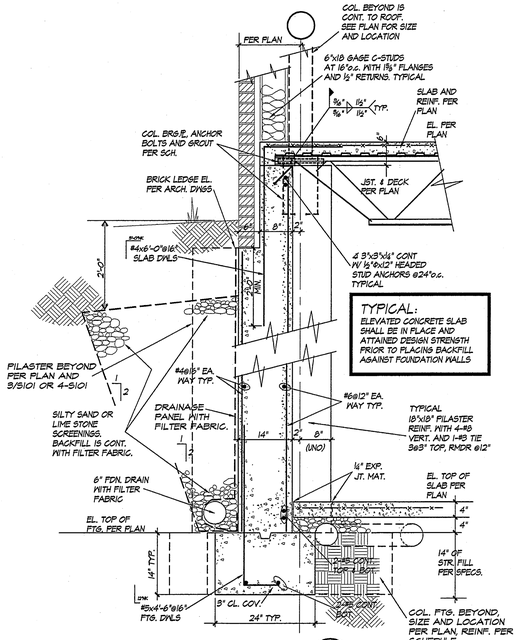
© 2001 – BOB D. CAMPBELL & CO., INC

FIRST COVENANT CHURCH
MARKLEY STREET AND
MAGNOLIA STREET
SALINA, KS

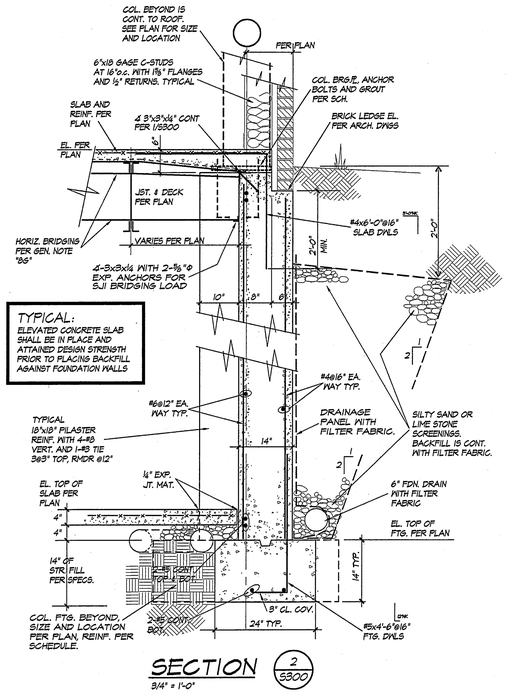
Project no: 0100-0160
Date: 04-15-2002
Sheet:

EXTERIOR ELEVATIONS
S202

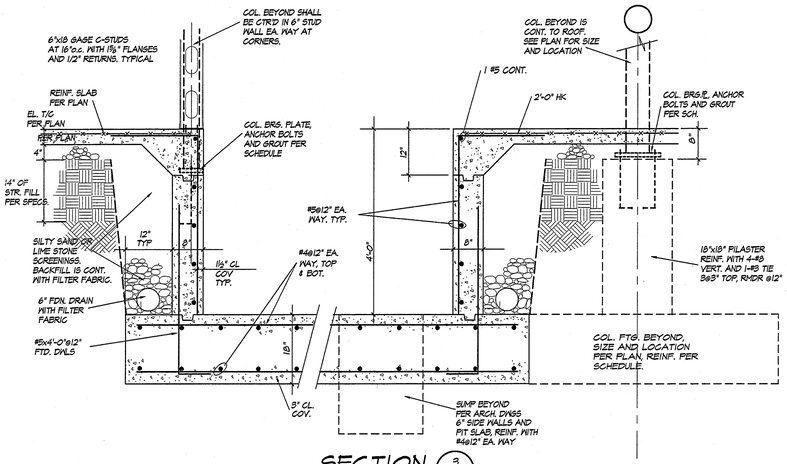
100% BID SET



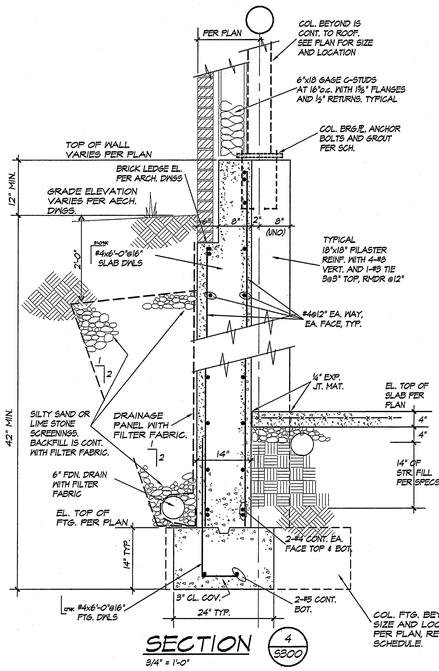
SECTION 1/5300
3/4" = 1'-0"



SECTION 2/5300
3/4" = 1'-0"



SECTION 3/5300
3/4" = 1'-0"



SECTION 4/5300
3/4" = 1'-0"

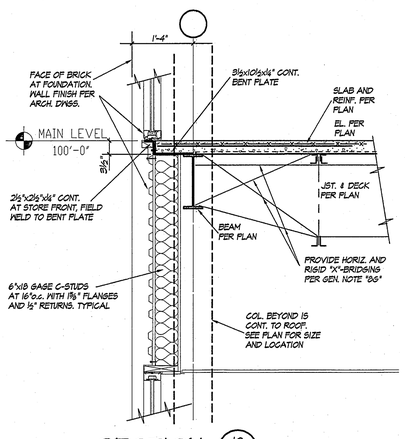
SECTION 5/5300
3/4" = 1'-0"

SECTION 6/5300
3/4" = 1'-0"

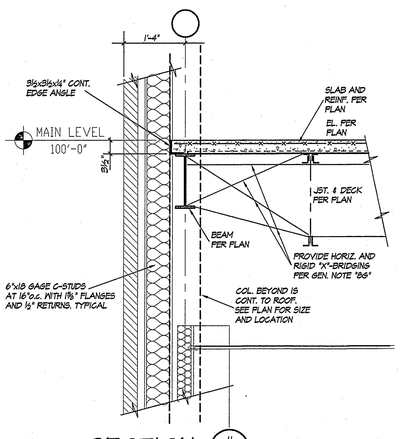
SECTION 7/5300
3/4" = 1'-0"

SECTION 8/5300
3/4" = 1'-0"

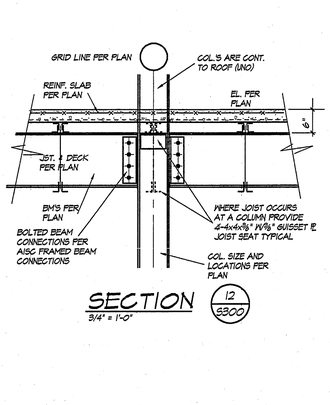
SECTION 9/5300
3/4" = 1'-0"



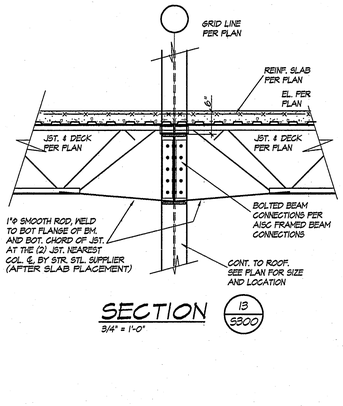
SECTION 10/5300
3/4" = 1'-0"



SECTION 11/5300
3/4" = 1'-0"

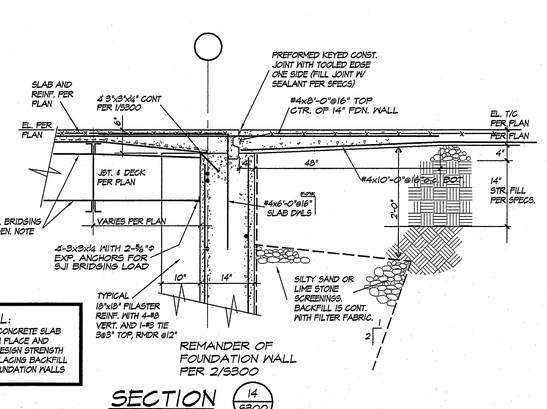


SECTION 12/5300
3/4" = 1'-0"



SECTION 13/5300
3/4" = 1'-0"

TYPICAL: ELEVATED CONCRETE SLAB SHALL BE IN PLACE AND ATTAINED DESIGN STRENGTH PRIOR TO PLACING BACKFILL AGAINST FOUNDATION WALLS



SECTION 14/5300
3/4" = 1'-0"

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax — (816) 531-8572
© 2001 - BOB D. CAMPBELL & CO., INC.

FIRST COVENANT CHURCH

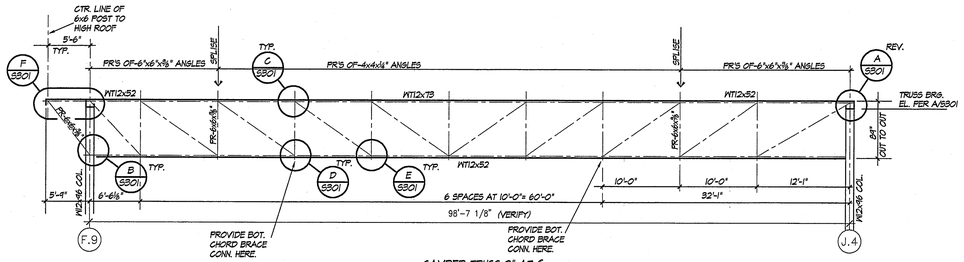
MARKLEY STREET AND
MAGNOLIA STREET
SALINA, KS

Project no:	0100-0160
Date:	04-15-2002
Sheet:	

SECTIONS
S300

100% BID SET

Jeffery Campbell
LICENSED
4-15-02
11919
KANSAS
PROFESSIONAL ENGINEER

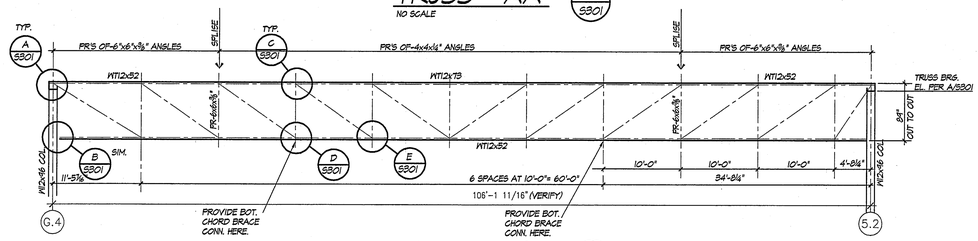


CAMBER TRUSS 2" AT ℄

TRUSS "AA"

NO SCALE

1 S301

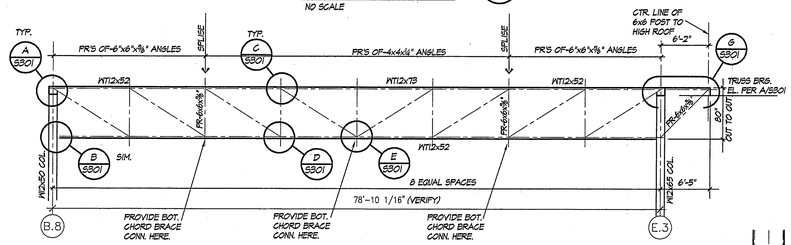


CAMBER TRUSS 2" AT ℄

TRUSS "BB"

NO SCALE

2 S301

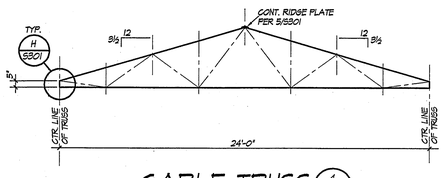


CAMBER TRUSS 1½" AT ℄

TRUSS "CC"

NO SCALE

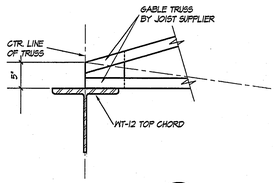
3 S301



GABLE TRUSS

NO SCALE

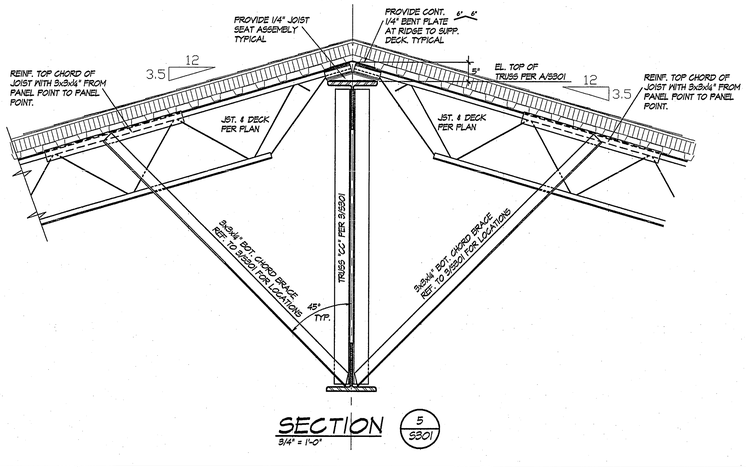
4 S301



DETAIL

1"= 1'-0"

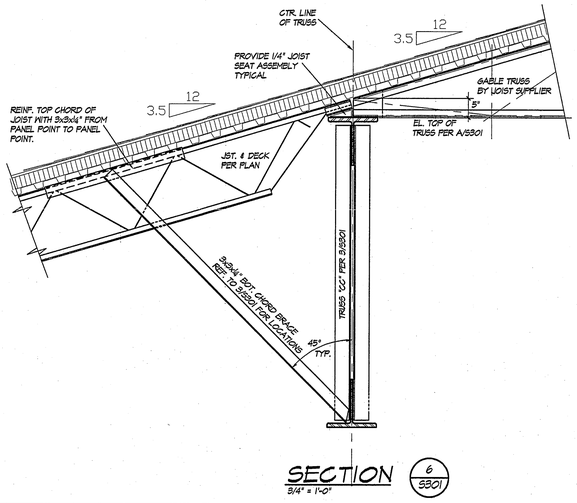
H S301



SECTION

3/4" = 1'-0"

5 S301



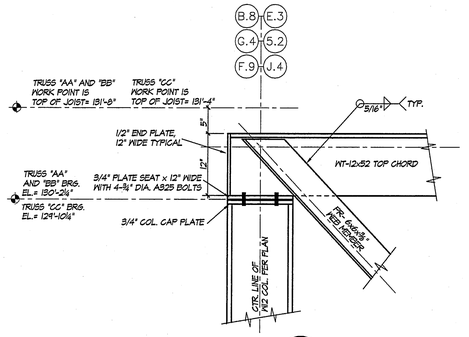
SECTION

3/4" = 1'-0"

6 S301

STEEL TRUSS NOTES

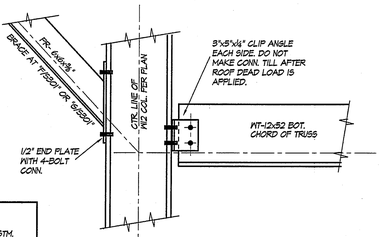
1. All structural steel for trusses shall be A-36 per the ASTM.
2. All diagonal and vertical members shall be pairs of angles, shop welded per AISC code for 90% of the member's capacity. At splice points, the members may be field welded.
3. Welds to diagonal angles shall be placed on legs to provide resultant of weld on centroid of angle per AISC.
4. Camber trusses as indicated.
5. See specifications for quality control.
6. Diagonal and vertical angles shall have long legs back to back and provide spacers between angles at 4'-0".



DETAIL

1"= 1'-0"

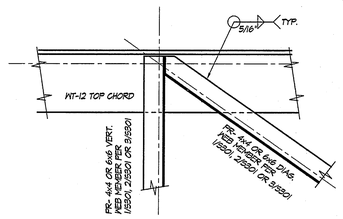
A S301



DETAIL

1"= 1'-0"

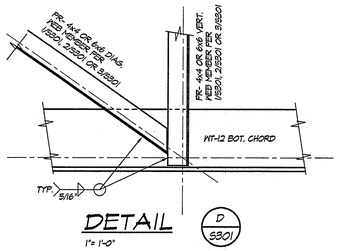
B S301



DETAIL

1"= 1'-0"

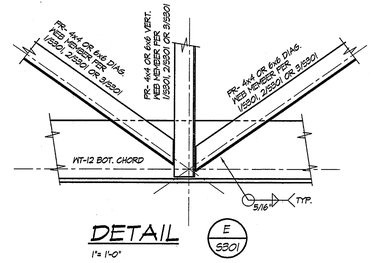
C S301



DETAIL

1"= 1'-0"

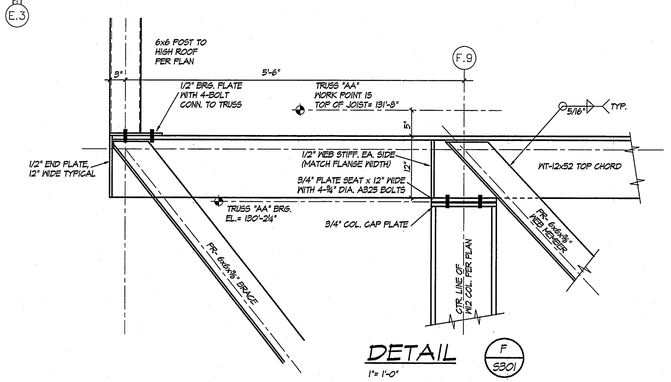
D S301



DETAIL

1"= 1'-0"

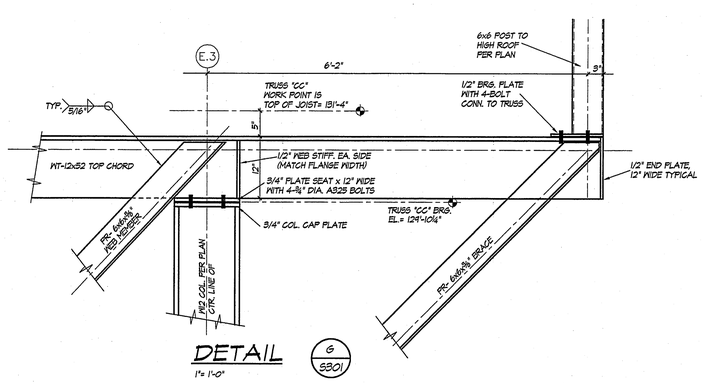
E S301



DETAIL

1"= 1'-0"

F S301



DETAIL

1"= 1'-0"

G S301

Gould Evans Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572

© 2001 – BOB D. CAMPBELL & CO., INC.

FIRST COVENANT CHURCH

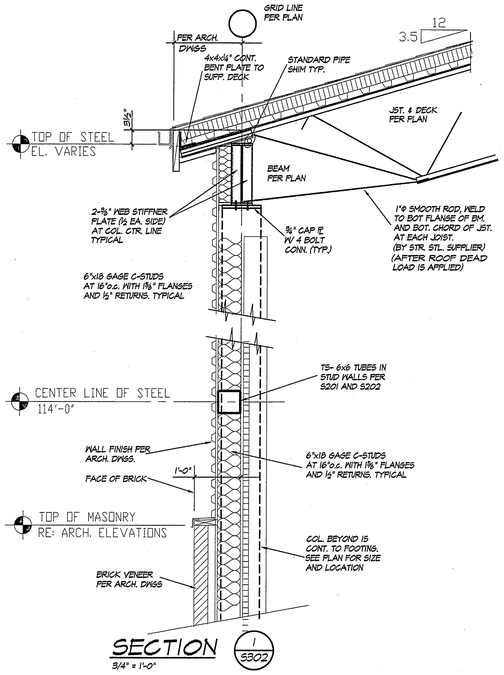
MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

Project no: 0100-0160
Date: 04-15-2002
Sheet:

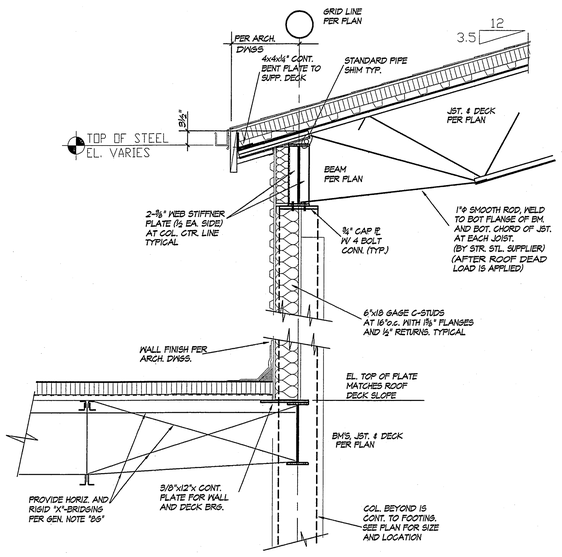
SECTIONS

S301

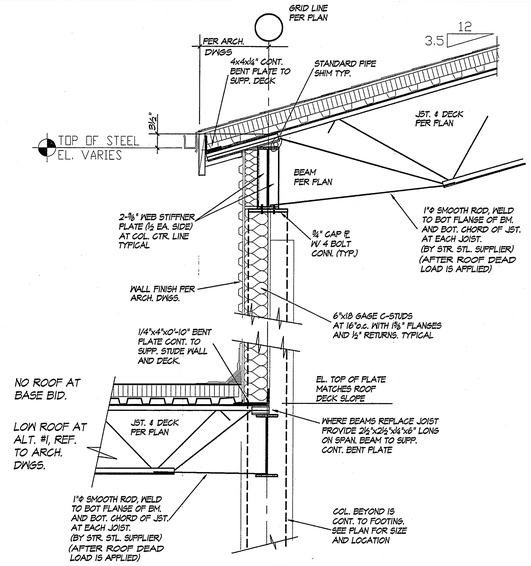
100% BID SET



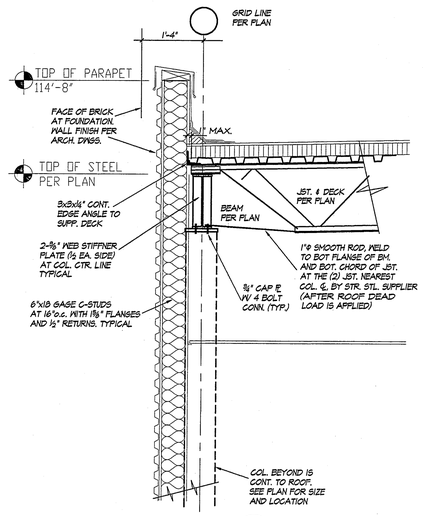
SECTION 1 / S302
3/4" = 1'-0"



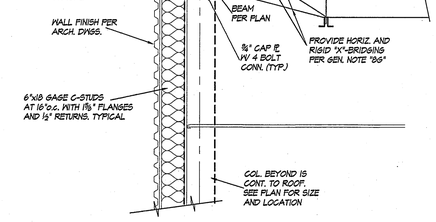
SECTION 2 / S302
3/4" = 1'-0"



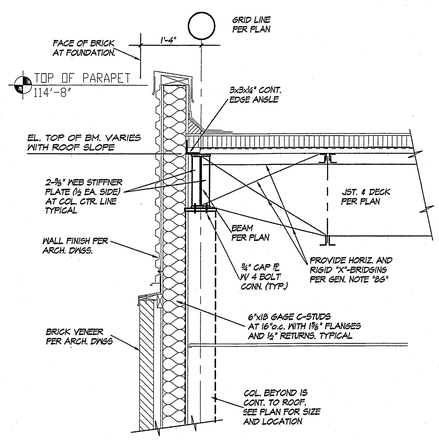
SECTION 3 / S302
3/4" = 1'-0"



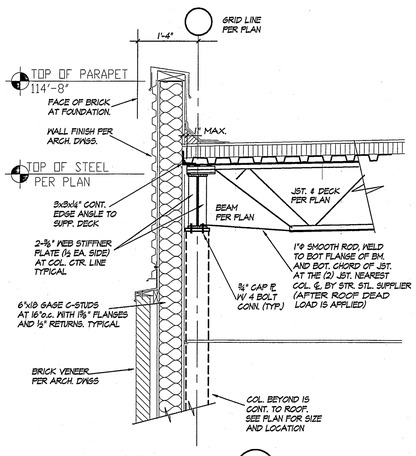
SECTION 4 / S302
3/4" = 1'-0"



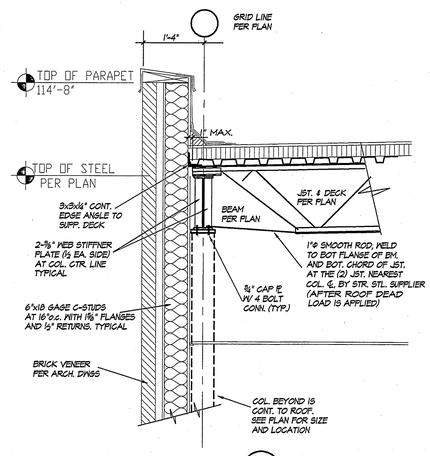
SECTION 5 / S302
3/4" = 1'-0"



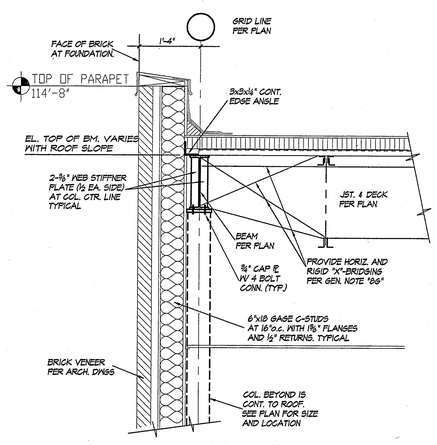
SECTION 6 / S302
3/4" = 1'-0"



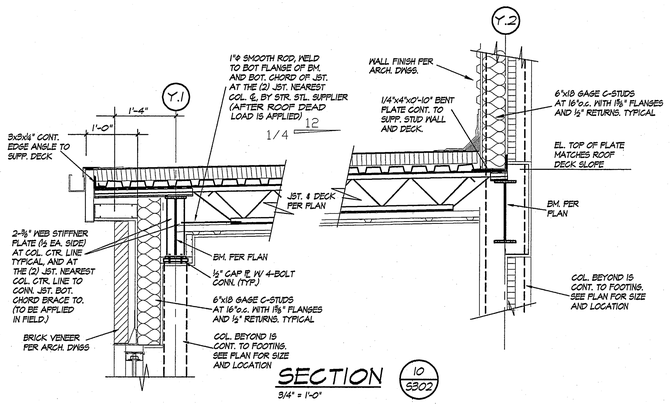
SECTION 7 / S302
3/4" = 1'-0"



SECTION 8 / S302
3/4" = 1'-0"

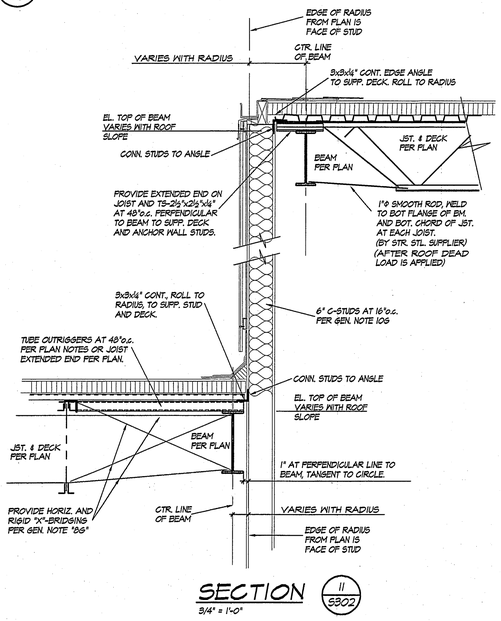


SECTION 9 / S302
3/4" = 1'-0"

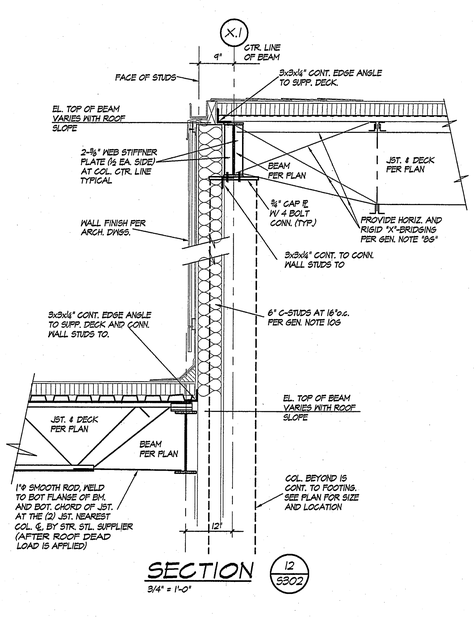


SECTION 10 / S302
3/4" = 1'-0"

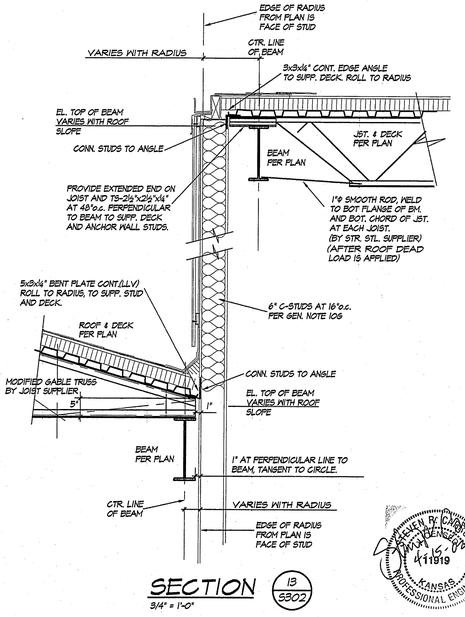
ALTERNATE #1
REF. TO ARCH. DWGS



SECTION 11 / S302
3/4" = 1'-0"



SECTION 12 / S302
3/4" = 1'-0"



SECTION 13 / S302
3/4" = 1'-0"

Gould
Evans
Associates, LC
706 Massachusetts Street
Lawrence, KS 66044
PH: 785-842-3800
FX: 785-842-3830

BOB D. CAMPBELL & COMPANY
STRUCTURAL ENGINEERS
4338 Belleview • Kansas City, MO 64111
(816) 531-4144 • Fax – (816) 531-8572
© 2001 – BOB D. CAMPBELL & CO., INC

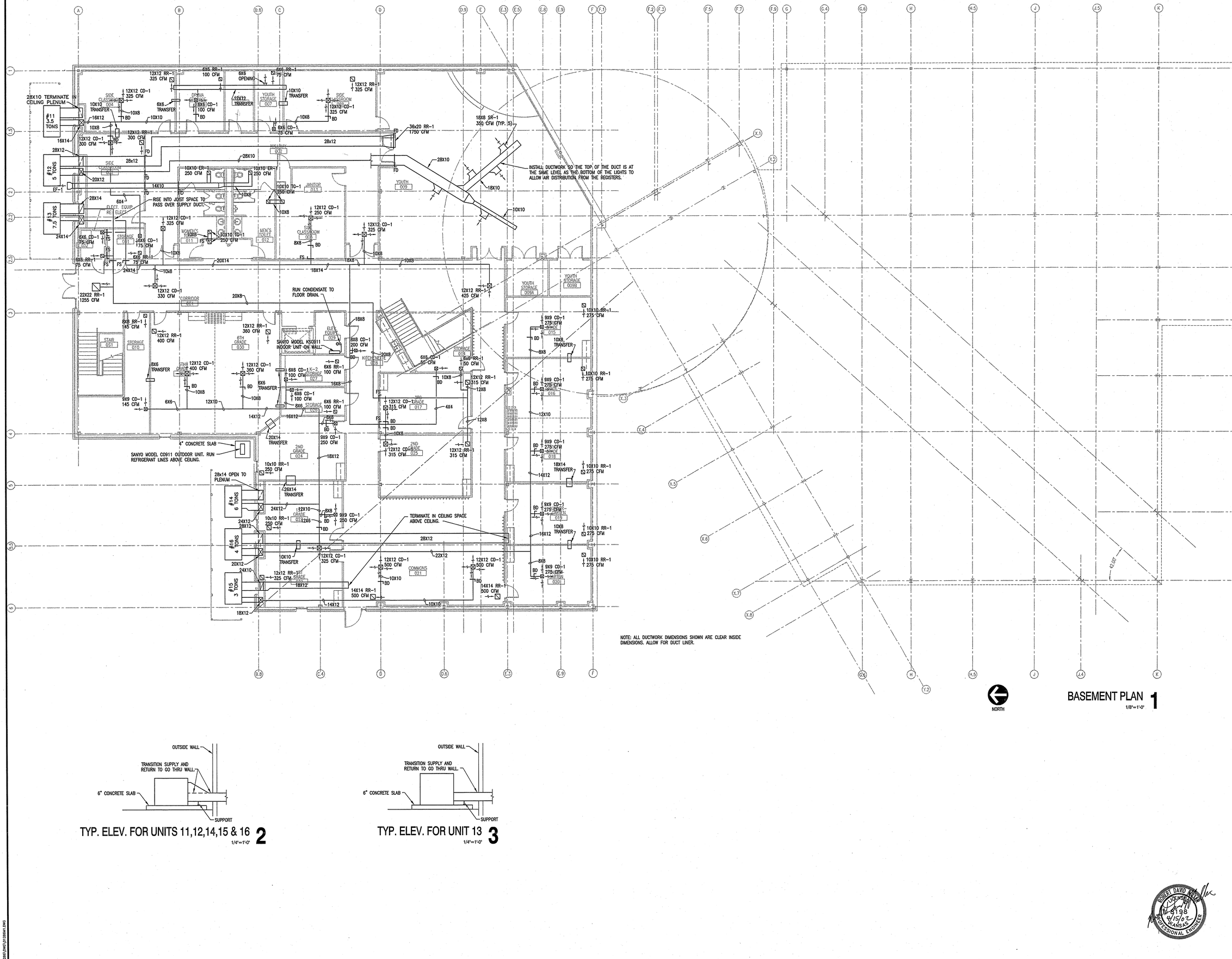
FIRST COVENANT CHURCH

MARKLEY STREET AND MAGNOLIA STREET
SALINA, KS

Project no: 0100-0160
Date: 04-15-2002
Sheet:

SECTIONS S302

100% BID SET



NOTE: ALL DUCTWORK DIMENSIONS SHOWN ARE CLEAR INSIDE DIMENSIONS. ALLOW FOR DUCT LINER.

NORTH

BASEMENT PLAN 1
1/8"=1'-0"

TYP. ELEV. FOR UNITS 11,12,14,15 & 16 2
1/4"=1'-0"

TYP. ELEV. FOR UNIT 13 3
1/4"=1'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no:	0100-0160
Date:	4-15-2002
Sheet:	

BASEMENT HVAC PLAN

M101

100% BID SET

ROBERT DAVID LADD LICENSED 11-8198 4/15/02 KANSAS PROFESSIONAL ENGINEER

2003280\CAD\SHEETS\2003M101.DWG

NOTE: IN THIS AREA DUCTWORK RUNNING EAST AND WEST WILL HAVE TO TRANSITION INTO JOIST SPACE TO CROSS OVER NORTH/SOUTH DUCTWORK.

NOTE: OF MUSIC OFFICE 113 AND STORAGE 115 ALTERNATI IS NOT ACCEPTED UNIT #5 WILL MOVE NORTH AND DUCTWORK WILL RUN OVER CHOIR 114.

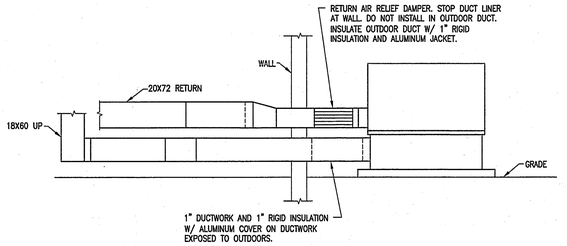
NOTE: RUN RETURNS UP AND TERMINATE IN CEILING SPACE.

TITUS TDCA 21X21 S2 W/ AG 95 DAMPER AND ADJUSTABLE PATTERN (TYP. 4) 1050 CFM. CONSTRUCT AS SHOWN BELOW.

DIFFUSER DETAIL
NO SCALE

64X22 THRU WALL FOR SUPPLY. 62X17 THRU WALL FOR RETURN.

RISER SHALL START AT 60"X16". INSTALL A SPLITTER IN THE RISER.



ELEVATION OF UNIT 7A (UNIT 7 SIMILAR) **2**
1/4"=1'-0"

NORTH

FIRST FLOOR PLAN **1**
1/8"=1'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

FIRST FLOOR HVAC PLAN

M102

100% BID SET

ROBERT DAVID [illegible] LICENSED 23,935 4/5/02 KANSAS PROFESSIONAL ENGINEER

2001256\CAD\012502M2.DWG

ROOFTOP UNIT SCHEDULE

MARK	FAN				ELECTRIC POWER			COOLING			HEATING		EFF.	FILTER TYPE	LENNOX MODEL NO.	EER
	AIR FLOW (CFM)	MIN. O.A. (CFM)	EXT. S.P. (IN.WG)	MOTOR (HP)	VOLT	PHASE	HZ	TYPE COIL	TOTAL CAPACITY (MBH)	SENS. CAPACITY (MBH)	INPUT (MBH)	OUTPUT (MBH)				
RTU-1	1400	335	.5	1.5	480	3	60	DX	49	39	92	72	78%	1" THROW AWAY	LGA-048 S	9
RTU-2	1860	310	.5	1.5	480	3	60	DX	60	52	92	72	78%	1" THROW AWAY	LGA-060 S	9
RTU-3	1850	460	.5	1.5	480	3	60	DX	60	52	92	72	78%	1" THROW AWAY	LGA-060 S	9
RTU-4	7200	200	.5	3	480	3	60	DX	190	152	169	135	78%	1" THROW AWAY	LGA-180 S	9
RTU-5	3170	790	.65	2	480	3	60	DX	122	96	130	104	80%	1" THROW AWAY	LGA-120 S	9
RTU-6	1450	380	.5	1.5	480	3	60	DX	49.6	40.7	78	61	78%	1" THROW AWAY	LGA-048 S	9
RTU-7	10,000	2430	.75	7.5	480	3	60	DX	300	228	260	208	80%	1" THROW AWAY	LGA-300 S	9
RTU-7A	10,000	2430	.75	7.5	480	3	60	DX	300	228	260	208	80%	1" THROW AWAY	LGA-300 S	9
RTU-8	4200	960	.5	3	480	3	60	DX	145	118	130	104	80%	1" THROW AWAY	LGA-150 S	9
RTU-9	2200	450	.5	2	480	3	60	DX	74	60	92	72	78%	1" THROW AWAY	LGA-072 S	9
RTU-10	1250	310	.5	1.5	480	3	60	DX	43	35	78	61	78%	1" THROW AWAY	LGA-042 S	9
RTU-11	1200	300	.5	1.5	480	3	60	DX	43	35	92	72	78%	1" THROW AWAY	LGA-042 S	9
RTU-12	1750	425	1.25	1.5	480	3	60	DX	59	48	92	72	78%	1" THROW AWAY	LGA-060 S	9
RTU-13	2510	500	.75	2	480	3	60	DX	90	58	83	66	80%	1" THROW AWAY	LGA-088 S	9
RTU-14	1930	450	.5	1.5	480	3	60	DX	74	59	92	72	78%	1" THROW AWAY	LGA-072 S	9
RTU-15	1000	250	.5	1.5	480	3	60	DX	36	28	78	61	78%	1" THROW AWAY	LGA-036 S	9
RTU-16	1375	340	.5	1.5	480	3	60	DX	49	39	92	72	78%	1" THROW AWAY	LGA-048 S	9

UNITS ARE DESIGNED AROUND LENNOX. EQUAL UNITS BY OTHER MANUFACTURERS ARE ACCEPTABLE.

EXHAUST FAN SCHEDULE

MARK	GREENHECK MODEL NO.	SERVICE	TYPE	CFM	ESP (IN)	DRIVE	SONES (MAX)	ELECTRICAL			REMARKS
								HP	VOLT	PH	
EF-1	CW-95-6	EXHAUST	CENT. WALL	500	.125	DIRECT	7	1/12	120	1	
EF-2	GB-100-4	EXHAUST	CENT. ROOF	875	.125	BELT	7	1/4	120	1	
EF-3	GB-80-4	EXHAUST	CENT. ROOF	420	.125	BELT	7	1/4	120	1	

NOTE: FANS MODEL NUMBERS ARE GREENHECK. ALL FANS SHALL BE PROVIDED WITH DISCONNECT. EQUAL FANS BY OTHER MANUFACTURERS ARE ACCEPTABLE.

DIFFUSER AND REGISTER SCHEDULE

EXHAUST REGISTERS (ER) AND RETURN REGISTERS (RR) SHALL BE TITUS MODEL 13RL, BOARDER TYPE 1, #26 FINISH AND AG-35 DAMPER. EQUAL REGISTERS BY OTHER MANUFACTURERS ARE ACCEPTABLE AS LONG AS THE PRESSURE DROP IS NOT EXCEEDED. SIZES AND CFM ARE INDICATED ON THE DRAWINGS.

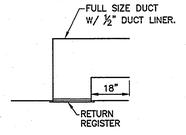
SUPPLY REGISTERS (SR) SHALL BE TITUS 272RL, BOARDER TYPE 1, #26 FINISH AND AG-35 DAMPER. EQUAL REGISTERS BY OTHER MANUFACTURERS ARE ACCEPTABLE AS LONG AS THE PRESSURE DROP IS NOT EXCEEDED. SIZES AND CFM ARE INDICATED ON THE DRAWINGS.

CEILING DIFFUSERS (CD) SHALL BE TITUS TDC, BOARDER TYPE 1 OR 3, #26 FINISH AND AG-35 DAMPER. SIZE, THROW AND CFM IS INDICATED ON DRAWINGS. EQUAL DIFFUSERS BY OTHER MANUFACTURERS ARE ACCEPTABLE AS LONG AS THE PRESSURE DROP IS NOT EXCEEDED.

HVAC LEGEND

- SUPPLY AIR DUCT UP, DOWN
- RETURN, EXHAUST OR OUTSIDE AIR DUCT UP, DOWN
- 50 / 6X6 — SUPPLY AIR REGISTER W/ CFM CAPACITY & SIZE
- 600 — RETURN OR EXHAUST AIR REGISTER W/ CFM CAPACITY
- 45° / AIR FLOW — BRANCH TAKEOFF (ALL TAKEOFFS SHALL BE CONSTRUCTED THIS WAY WHETHER SHOWN ON DRAWINGS OR NOT)
- SPLIT DUCT – SPLIT TRUNK DUCT IN PROPORTION TO PERCENTAGE OF AIR ENTERING BRANCHES
- DOUBLE THICKNESS TURNING VANES IN ALL SUPPLY DUCT ELBOWS
- FD — FIRE DAMPER
- FS — FIRE/SMOKE DAMPER
- BD — BALANCING DAMPER
- T — CONTROL FOR ROOFTOP UNITS MOUNTED ON WALL
- WALL / TRANSFER — TRANSFER DUCTS FOR RETURN AIR. DUCT DIMENSIONS ARE INSIDE DIMENSIONS. INSTALL 1/2" DUCT LINER IN DUCT.

NOTES:
1. RECTANGULAR DUCTWORK SUPPLY, RETURN AND EXHAUST SHALL HAVE 1/2" DUCT LINER. ROUND DUCTWORK SHALL BE INSULATED. OUTDOOR DUCTWORK SHALL HAVE 1/2" DUCT LINER, 1" OF RIGID INSULATION AND AN ALUMINUM COVER.
2. WHERE JOISTS ARE OPEN USE THE JOIST SPACE FOR CROSSOVERS OF DUCTWORK TOO DEEP TO FIT IN THE SPACE BETWEEN THE CEILING AND STRUCTURE.



NOTE: THIS BOOT SHALL BE INSTALLED ON ALL NON-DUCTED RETURNS.

SOUND BOOT DETAIL
NO SCALE

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
600 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

HVAC DETAILS

M201

100% BID SET

20012801\DWG\A1286AS.DWG

2½" DOMESTIC WATER SERVICE ENTRANCE W/ SHUT-OFF VALVE, 2" COMPOUND WATER METER AND REMOTE READOUT. COORDINATE METER W/ CITY WATER DEPT.

SAN. WASTE INV. EL. 1305.70 @ BLDG.

4" BACK WATER VALVE

4" GAS VENT UP TO ROOF

FIRE PROTECTION SYSTEM RISER. SEE DETAIL SHEET P201.

CP-1

WH-1

1"CW UP TO WC-3

½"CW & ½"HW UP TO LAV-1

¾" GAS ABOVE CEILING

SEE ENLARGED PLUMBING PLAN 2 THIS SHEET.

ELEC. EQUIP. RE: ELECT.

SHUT-OFF VALVE & SECONDARY REGULATOR. (2 PSIG DN. TO 7"W.C.) 342 CFH CAPACITY

½"CW UP TO EWC-1

FCO

Located in Elev. Eq. Room

¾"CW & ¾"HW UP TO KITCHEN

½"CW & ½"HW DN TO SINK SK-1.

24" DIA. x 24" DEEP FIBERGLASS SUMP BASIN W/ PERFORATED COVER, LOCATED IN BOTTOM OF ELEVATOR PIT.

3"FD-1

½"VENT

½"CW UP TO ICE MACH.

½"CW & ½"HW UP TO SINK SK-1

Sump Drain

Relocate next to valve in Elev. Equipment Room

1½" MG RISER UP TO ROOF.

SHUT-OFF VALVE & SECONDARY REGULATOR. (2 PSIG DN. TO 7"W.C.) 262 CFH CAPACITY

FOR CONTINUATION SEE SHEET P102.

FIRE PROTECTION: AREA TO BE SPRINKLED.

2½"CW UP TO FIRST FLOOR

BELOW GRADE WATER LINE, TYPE K COPPER.

ABOVE CEILING (TYPICAL)

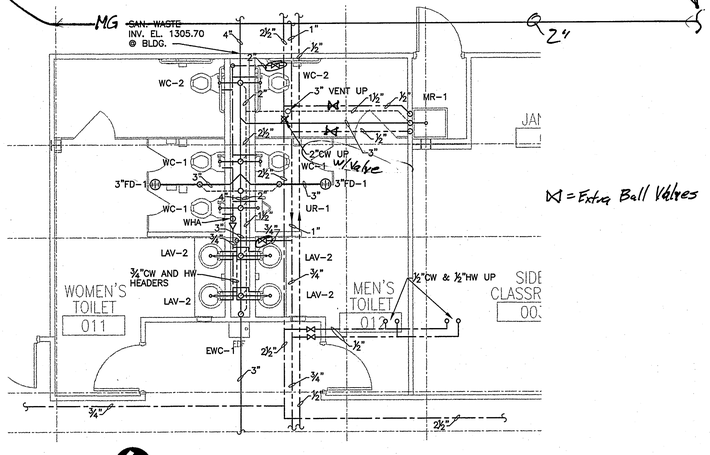
SIDE CLASSROOM 004 · DRAMA STORAGE 005 · YOUTH STORAGE 007 · SIDE CLASSROOM 008 · HALLWAY 002 · SIDE CLASSROOM 002 · JANITOR 013 · YOUTH 009 · WOMEN'S TOILET 011 · MEN'S TOILET 012 · SIDE CLASSROOM 003 · ELEC. 032 · STORAGE 001 · CORRIDOR 001 · STAIR 031 · STORAGE 010 · 6TH GRADE 031 · K-2 STORAGE 027 · 2ND GRADE 024 · 3RD GRADE 017 · 2ND GRADE 025 · 1ST GRADE 023 · 1ST GRADE 022 · COMMONS 021 · YOUTH STORAGE 009A · YOUTH STORAGE 009B · 3RD GRADE 015 · STORAGE 014 · 4TH GRADE 016 · 4TH GRADE 018 · KINDER-GARTEN 019 · KINDER-GARTEN 020

#11 · #12 · #13 · #14 · #15 · #16

WH

MG

7' · 2' · 1'



ENLARGED PLUMBING PLAN 2

1/4"=1'-0"

NORTH

BASEMENT PLAN 1

1/8"=1'-0"

NORTH

FIRE PROTECTION SYSTEM:

FIRE PROTECTION SHALL CONSIST OF A WET PIPE SYSTEM COMPLETE WITH SPRINKLERS AND PIPING FOR ALL AREAS INDICATED ON THE PLANS. AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AND ALL LOCAL AND STATE CODES.

GENERAL NOTES:

1. SEE SHEET P3 FOR LEGEND, SCHEDULES AND DETAILS.
2. SANITARY WASTE LINES SHOWN ARE BELOW THE FLOOR UNLESS OTHERWISE NOTED.
3. WATER, VENT AND GAS LINES SHOWN ARE ABOVE THE CEILING UNLESS OTHERWISE NOTED.
4. INSTALL ALL UNDERGROUND NATURAL GAS DISTRIBUTION PIPING AT LEAST 30 INCHES BELOW FINISHED GRADE.

ROBERT DAVID BUCHER 13938 11/30/02 KANSAS PROFESSIONAL ENGINEER

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

BASEMENT PLUMBING PLAN

P101

100% BID SET

20013BR\01 2BSP1.DWG

4" WASTE DN. TO BASEMENT

4" GAS VENT DN. TO BSMT.

4" GAS VENT THRU ROOF W/ CAP AND FLASHING.

½"CW AND ½"HW DN. TO BSMT.

1"CW DN. TO BSMT.

SEE ENLARGED PLUMBING PLAN 2 THIS SHEET.

HVAC UNITS & GAS LINE ARE ON TOP OF ROOF. (TYP.)

HVAC UNITS & GAS LINE ARE ON TOP OF ROOF. (TYP.)

SHUT-OFF VALVE & SECONDARY REGULATOR. (2 PSIG DN. TO 7"W.C.) 746 CFH CAPACITY

1" MG RISER FROM BSMT LEVEL TO ROOF.

SEE ENLARGED PLUMBING PLAN 3 THIS SHEET.

FOR CONTINUATION SEE SHEET P101

SAN. WASTE INV. EL. 1318.25 @ BLDG.

FOR CONTINUATION SEE SITE UTILITY PLAN.

SEE ENLARGED PLUMBING PLAN 4 THIS SHEET.

SEE SHEET P201 FOR PIPING DIAGRAM OF BAPTISTRY POOL.

REGULATOR SET FOR 2 PSIG SERVICE @ 2142 CFH CAPACITY.

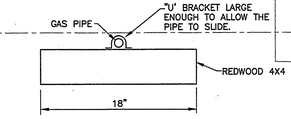
GAS METER, REGULATOR & SERVICE ENTRANCE BY GAS UTILITY COMPANY. COST BY CONTRACTOR.

SHUT-OFF VALVE & SECONDARY REGULATOR. (2 PSIG DN. TO 7"W.C.) 273 CFH CAPACITY

SHUT-OFF VALVE & SECONDARY REGULATOR. (2 PSIG DN. TO 7"W.C.) 520 CFH CAPACITY

GENERAL NOTES:

1. SEE SHEET P3 FOR LEGEND, SCHEDULES AND DETAILS.
2. SANITARY WASTE LINES SHOWN ARE BELOW THE FLOOR UNLESS OTHERWISE NOTED.
3. WATER, VENT AND GAS LINES SHOWN ARE ABOVE THE CEILING UNLESS OTHERWISE NOTED.
4. INSTALL ALL UNDERGROUND NATURAL GAS DISTRIBUTION PIPING AT LEAST 30 INCHES BELOW FINISHED GRADE.



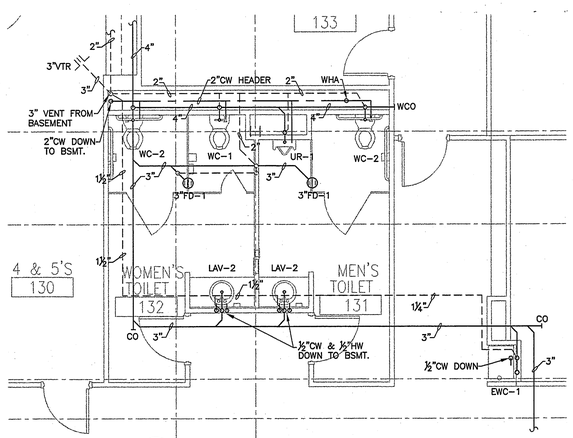
NOTE: GAS PIPING ON THE ROOF SHALL BE SUPPORTED 6' ON CENTER AND AT ELBOWS AND TAKE-OFFS.

GAS PIPE SUPPORT DETAIL

NO SCALE

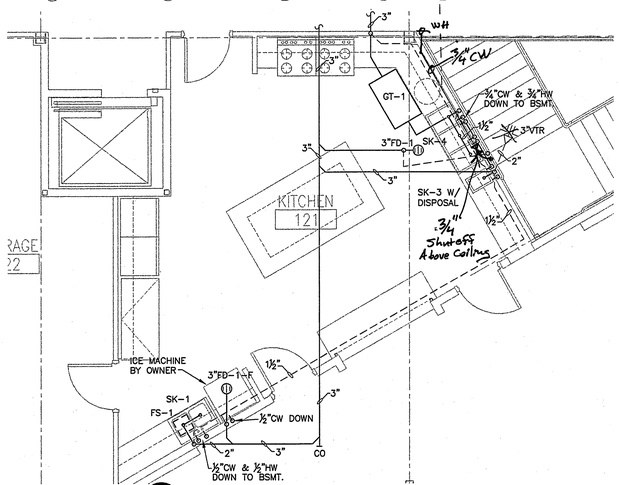
FIRST FLOOR PLUMBING PLAN 1

1/8"=1'-0"



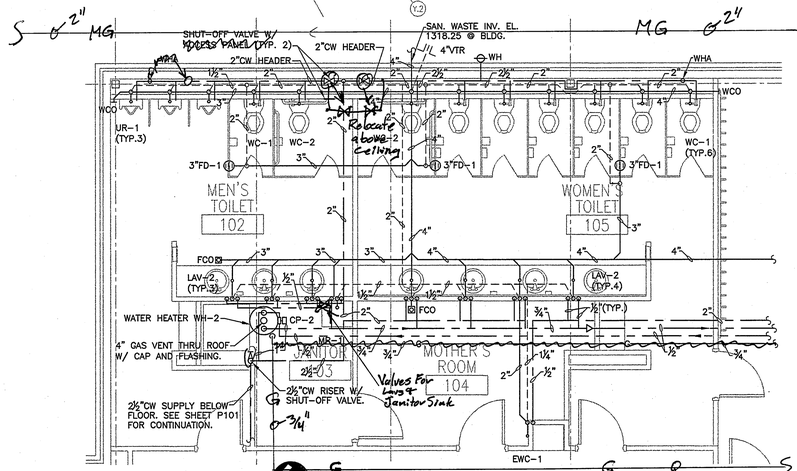
ENLARGED PLUMBING PLAN 2

1/4"=1'-0"



ENLARGED PLUMBING PLAN 3

1/4"=1'-0"



ENLARGED PLUMBING PLAN 4

1/4"=1'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

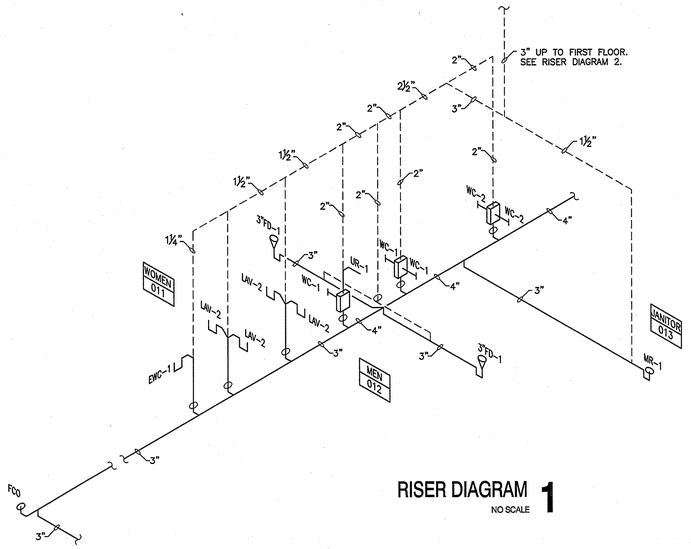
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

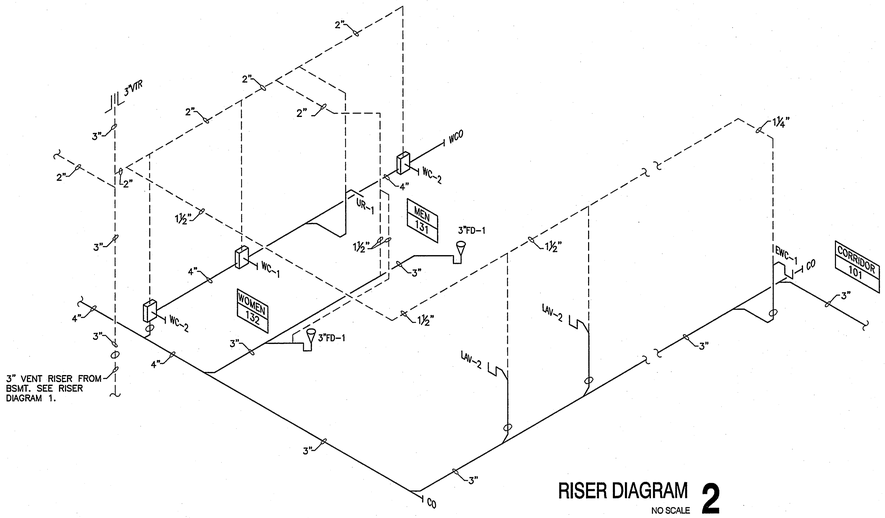
FIRST FLOOR PLUMBING PLAN

P102

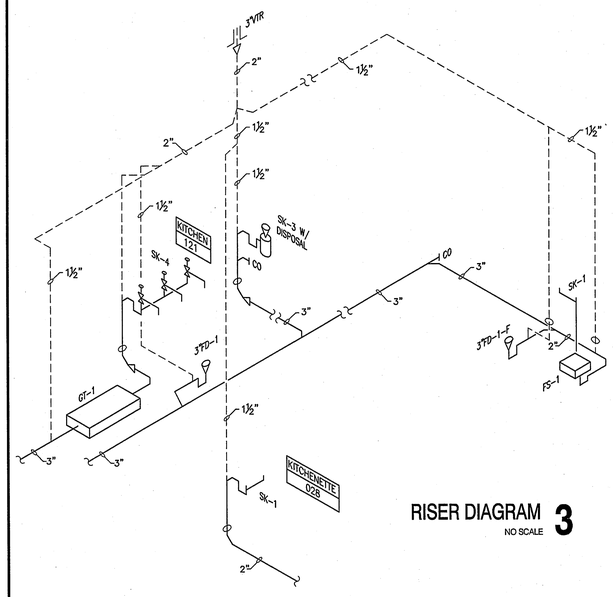
100% BID SET



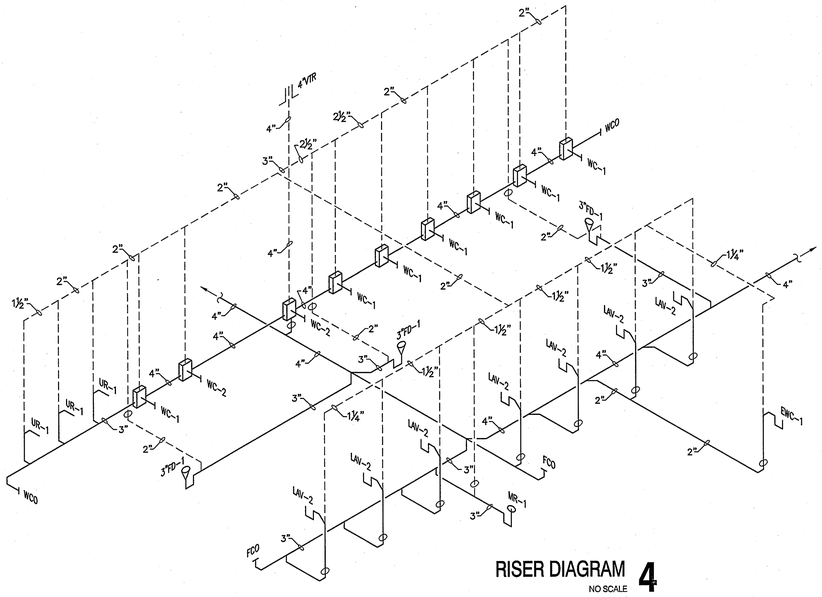
RISER DIAGRAM **1**
NO SCALE



RISER DIAGRAM **2**
NO SCALE



RISER DIAGRAM **3**
NO SCALE



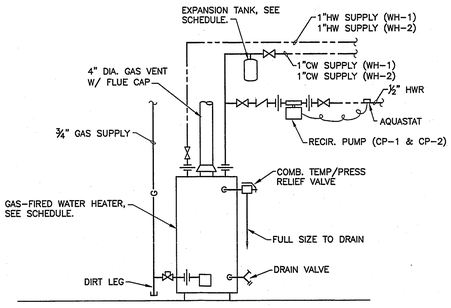
RISER DIAGRAM **4**
NO SCALE

PLUMBING LEGEND

———	SANITARY WASTE LINE (BELOW FLOOR)
- - - - -	SANITARY VENT LINE (ABOVE CEILING)
———	COLD WATER SUPPLY
———	HOT WATER SUPPLY
———	HOT WATER RECIRCULATING LINE
——G———	GAS LINE (LOW PRESSURE)
——MG———	GAS LINE (MEDIUM PRESSURE–2 PSIG)
FD1	FLOOR DRAIN AND TYPE
CO	CLEANOUT
FCO	FLOOR CLEANOUT
WCO	WALL CLEANOUT
	GATE OR BALL VALVE, SEE SPEC. FOR TYPE
	PLUG VALVE
	CHECK VALVE
	UNION
	RISE AND DROP IN LINE
VTR	VENT THRU ROOF
WH	WALL HYDRANT
HB	HOSE BIBB
——FP———	FIRE PROTECTION LINE
WHA	WATER HAMMER ARRESTOR

PLUMBING FIXTURE & EQUIPMENT LIST

MARK	DESCRIPTION
WC–1	WATER CLOSET: AMERICAN STANDARD MODEL 2257.103, "AFWALL", WALL MOUNTED, ELONGATED BOWL, VITREOUS CHINA, SIPHON JET FLUSH ACTION, 1½" TOP SPUD, CHURCH #9500C OPEN FRONT SEAT LESS COVER, SLOAN ROYAL #111 FLUSH VALVE AND WADE MODEL 310 CLOSET CARRIER WITH ADJUSTABLE COUPLING AND WASTE CONNECTION.
WC–2	WATER CLOSET: AMERICAN STANDARD MODEL 2257.103, "AFWALL", WALL MOUNTED, ELONGATED BOWL, VITREOUS CHINA, SIPHON JET FLUSH ACTION, 1½" TOP SPUD, CHURCH #9500C OPEN FRONT SEAT LESS COVER, SLOAN ROYAL #111 FLUSH VALVE AND WADE MODEL 310 CLOSET CARRIER WITH ADJUSTABLE COUPLING AND WASTE CONNECTION, ADA MOUNTING HEIGHT.
WC–3	WATER CLOSET: AMERICAN STANDARD MODEL 2282.010 "BABY DEVORO" FLOOR MOUNTED, VITEOUS CHINA, 10" HIGH BOWL, SIPHON FLUSH ACTION, 1½" TOP SPUD, CHURCH #1580C OPEN FRONT SEAT LESS COVER, SLOAN ROYAL #111 FLUSH VALVE, BOLT CAPS.
UR–1	URINAL: AMERICAN STANDARD MODEL 6561.017 "TRIMBROOK" WALL HUNG, VITREOUS CHINA, FLUSHING RIM, SIPHON JET ACTION, EXTENDED SIDES, ¾" INLET SPUD, SLOAN ROYAL #186–1 FLUSH VALVES, SUPPORT CARRIER. 24" RIM HEIGHT FOR STANDARD AND 17" RIM HEIGHT FOR ADA COMPLIANCE.
LAV–1	LAVATORY, WALL MOUNTED: AMERICAN STANDARD MODEL 0321.075, "DECLYN", 19"X17" VITREOUS CHINA, 4" CENTERS FAUCET HOLES, BACK OVERFLOW, CONCEALED ARMS AND CARRIER, MODEL 2385.130 SINGLE CONTROL FAUCET WITH GRID DRAIN ASSEMBLY, 1¼" TAILPIECE, 17 GA. "P" TRAP, SUPPLIES, KEYED STOPS.
LAV–2	LAVATORY, COUNTERTOP: AMERICAN STANDARD MODEL 0491.019, "RONDALYN", 19" DIA., SELF–RIMMING COUNTERTOP LAVATORY, 4" CENTERS FAUCET HOLES, FRONT OVERFLOW, MODEL 2385.130 SINGLE CONTROL FAUCET WITH GRID DRAIN ASSEMBLY, 1¼" TAILPIECE, 17 GA. "P" TRAP, SUPPLIES, KEYED STOPS.
MR1	MOP RECEPTOR: FIAT MODEL MSB–2424 (24"x24"X10" HIGH) MOLDED STONE SERVICE BASIN, #830–AA FAUCET, #889–66 MOP BRACKET, #832–AA HOSE & BRACKET, #E–88–AA STAINLESS STEEL BUMPER GUARDS & #MSG2424 WALL GUARD.
SK–1	SINK, DOUBLE COMPARTMENT: ELKAY MODEL LR–3322, 18 GA., TYPE 302 STAINLESS STEEL, SELF–RIMMING, HEAVY DUTY UNDERCOATING, 33"x22"X8", #LK–35 DRAIN OUTLETS WITH 1½" TAILPIECE, #LK–53 CONTINUOUS DRAIN CONNECTION, 17 GA. "P" TRAP, SUPPLIES AND KEYED STOPS, #LK–4100 SINGLE LEVER FAUCET WITH 8" SWING SPOUT AND AERATOR.
SK–2	SINK, SINGLE COMPARTMENT: ELKAY MODEL LR–2222, 18 GA., TYPE 302 STAINLESS STEEL, SELF–RIMMING HEAVY DUTY UNDERCOATING, 22"X22"X7½", #LK–35 DRAIN OUTLET WITH 1½" TAILPIECE, 17 GA. "P" TRAP, SUPPLIES AND KEYED STOPS, #LK–4100 SINGLE LEVER FAUCET WITH 8" SWING SPOUT AERATOR.
SK–3	SINK, SINGLE COMPARTMENT: ELKAY MODEL LK–1517, 18 GA., TYPE 302 STAINLESS STEEL, SELF–RIMMING HEAVY DUTY UNDERCOATING, 15"X17"X7½", 17 GA., "P" TRAP, SUPPLIES AND KEYED STOPS, #LK–4101 SINGLE LEVER FAUCET WITH 8" SWING SPOUT, AERATOR AND RETRACTABLE SPRAY AND HOSE, IN–SINK–ERATOR MODEL #PRO SS ¾HP DISPOSER. STAINLESS STEEL, DUAL AUTO–REVERSE MOTOR, CONTINUOUS FEED AND QUICK LOCK MOUNTING.
SK–4	SINK, TRIPLE COMPARTMENT: ELKAY MODEL LTR–5422–10, 18 GA., TYPE 302 STAINLESS STEEL, SELF–RIMMING HEAVY DUTY UNDERCOATING, 54"X22"X10", #LK–24–RT WASTE FITTINGS WITH LEVER HANDLE AND 1½" TAILPIECE, #LK–76 CONTINUOUS DRAIN CONNECTION, 17 GA., "P" TRAP, SUPPLIES AND KEYED STOPS, TWO (2) #LK–4100 SINGLE LEVER FAUCET WITH 8" SWING SPOUT AND AERATOR.
EWC–1	ELECTRIC WATER COOLER: ELKAY MODEL LZS–8–S, BARRIER FREE WATER COOLERS, STAINLESS STEEL TOP, STAINLESS STEEL FINISH, 8.0 GPH CAPACITY, 50°F SUPPLY @ 90°F AMBIENT AIR TEMPERATURE.
FD1, FD1–F	FLOOR DRAIN: WADE MODEL #W–1100, CAST IRON BODY WITH FLANGE, CLAMPING COLLAR, SEEPAGE OPENINGS TYPE FC 9" DIA. TWO–PIECE NICKEL BRONZE ADJUSTABLE STRAINER. "F" INDICATES FLOOR DRAIN W/ FUNNEL ACCESSORY.
FD2	FLOOR DRAIN: WADE MODEL #W–1210, CAST IRON, MEDIUM DEPTH, WITH FLANGE, CLAMPING COLLAR, LOOSE SET GRATE, DUCTILE TOP AND SEDIMENT BUCKET.
CO	CLEANOUT: WADE MODEL #W–6000, CAST IRON WITH SPIGOT OUTLET, THREADED ADJUSTABLE HOUSING, FLANGED FERRULE WITH PLUG AND ROUND NICKEL SCORIATED TOP.
WHA	WATER HAMMER ARRESTOR: WADE MODEL #W–5, NITROGEN CHARGED, BELLOWS TYPE, STAINLESS STEEL CONSTRUCTION.
CP–1,CP–2	CIRCULATING PUMP: BELL AND GOSSETT MODEL #PL–50, 15 GPM @ 15' HEAD, 1/6 HP, 115V., 60HZ, 1 PHASE, BRONZE CONSTRUCTION.
FS1	FLOOR SINK: WADE MODEL W–9113–16 8"X8"X6" C.I. SQ. FLOOR SINK W/ A.R.E. INTERIOR, ALUMINUM DOME STRAINER, MESH BUCKET LINER AND 1/2 NICKEL BRONZE GRATE.
GT–1	GREASE TRAP: J.R. SMITH MODEL 8325GT RECESSED GREASE TRAP, 25 GPM FLOW, 50 LBS CAPACITY, RECEIVING CRADLE, AUTOMATIC DRAW–OFF.

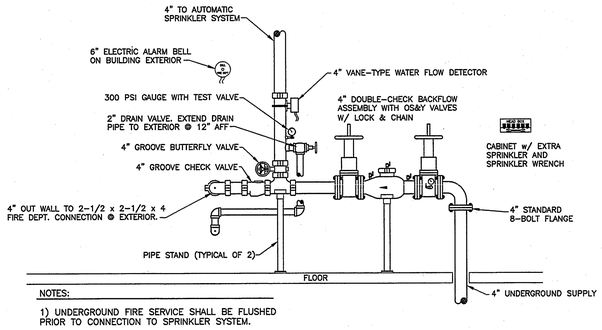


WATER HEATER PIPING DIAGRAM **5**
NO SCALE

WATER HEATER SCHEDULE

MARK	LOCATION	STORAGE CAPACITY (GAL.)	RECOVERY RATE @ 100° RISE (GPH)	INPUT (BTUH)	FUEL	EXPANSION TANK * STATE MODEL NO. /CAPACITY	STATE MODEL NO. *
WH–1	MECH. 006	73	71	75,100	NAT. GAS	ETC–5X (4.55 GAL.)	SBT 75–75NES
WH–2	JANITOR 103	50	60	65.000	NAT. GAS	ETC–2X (1.96 GAL.)	SBT 50–65NE

* APPROVE ALTERNATE MANUFACTURERS ARE ACCEPTABLE



NOTES:

1) UNDERGROUND FIRE SERVICE SHALL BE FLUSHED PRIOR TO CONNECTION TO SPRINKLER SYSTEM.

2) OS&Y VALVES SHALL BE EQUIPED WITH TAMPER SWITCHES.

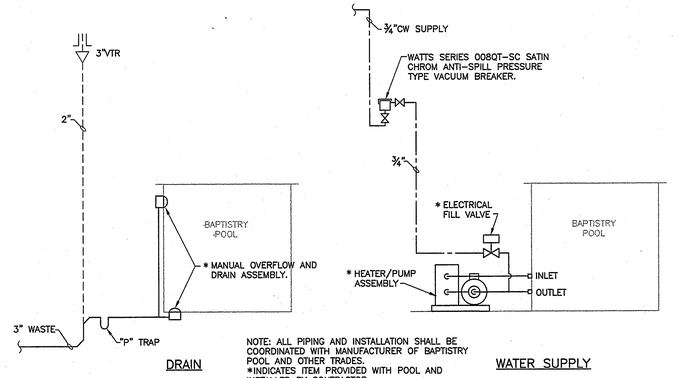
3) ALL ELECTRICAL WIRING (FLOW SWITCH, BELL, AND TAMPER SWITCHES) IS BY ELEC. CONTRACTOR.

FIRE PROTECTION SYSTEM RISER DETAIL **6**
NO SCALE

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	TYPE	CW (IN.)	HW (IN.)	WASTE (IN.)	VENT (IN.)
WC–1	WATER CLOSET	1	–	4	2
WC–2	HC WATER CLOSET	1	–	4	2
WC–3	WATER CLOSET	1	–	4	2
UR–1	URINAL	¾	–	2	1½
LAV–1	LAVATORY (WALL HUNG)	½	½	1¼	1¼
LAV–2	LAVATORY (COUNTER TOP)	½	½	1¼	1¼
MR1	MOP RECEPTOR	½	½	3	1½
* SK–1	SINK, DOUBLE COMP.	½	½	1½	–
SK–2	SINK, SINGLE COMP.	½	½	1½	1½
SK–3	SINK, SINGLE COMP.	½	½	1½	1½
SK–4	SINK, 3–COMP.	(2) ½	(2) ½	1½	1½
EWC–1	ELEC. WATER COOLER	½	–	1¼	1¼

* INDIRECT WASTE



NOTE: ALL PIPING AND INSTALLATION SHALL BE COORDINATED WITH MANUFACTURER OF BAPTISTRY POOL AND OTHER TRADES.
*INDICATES ITEM PROVIDED WITH POOL AND INSTALLED BY CONTRACTOR.

BAPTISTRY PIPING DIAGRAMS **7**
NO SCALE

ROBERT DAVID WILLIS 8198 4/5/02 KANSAS PROFESSIONAL ENGINEER

Gould
Evans
Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785–827–3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

PLUMBING DETAILS

P201

100% BID SET

2001286\01286P3.DWG

GENERAL SYMBOLS

- (1) KEYED NOTE

WIRING AND CONDUITS

- LP-3 — PANELBOARD CIRCUIT NUMBER
- BRANCH CIRCUIT HOMERUN
- EQUIPMENT GROUND
  NEUTRAL CONDUCTOR
  PHASE OR SWITCHLEG CONDUCTOR
  NOTE: UNLESS OTHERWISE NOTED, FURNISH AND INSTALL 2#12 W/#12 GRD IN 1/2"C.
- CONDUIT – CONCEALED BELOW SLAB
- CONDUIT – TURNING UP
- CONDUIT – TURNING DOWN
- CONDUIT – UP AND DOWN (CHANGE IN ELEVATION)
- CONDUIT – CAPPED
- J (1) JUNCTION BOX
- BREAK
- –UE– CONDUIT – BELOW GRADE
- –T– TELEPHONE, BELOW GRADE
- –TV– TV, BELOW GRADE

POWER SYMBOLS

- BRANCH CIRCUIT PANELBOARD
- DISTRIBUTION PANELBOARD
- T TRANSFORMER
- SAFETY SWITCH 3/30/15/2/3R
  3 POLE DEVICE / 30 AMP RATED DEVICE /
  15 AMP OVERCURRENT PROTECTION / NEMA
  SIZE 2 STARTER / NEMA 3R ENCLOSURE
- DUPLEX PUMP MOTOR CONTROLLER 3/30/15/2/3R
  3 POLE DEVICE / 30 AMP RATED DEVICE /
  15 AMP OVERCURRENT PROTECTION / NEMA
  SIZE 2 STARTER / NEMA 3R ENCLOSURE
- EQUIPMENT – MOTOR
- $_3 TOGGLE SWITCH
  2 DOUBLE-POLE SINGLE-THROW (DPST)
  3 3-WAY
  4 4-WAY
  B PUSHBUTTON
  D DIMMER (WALL BOX TYPE)
  K KEY OPERATED
  L LIGHTED
  M MANUAL MOTOR STARTER
  P PILOT LIGHT
  T TIMER
  F FUSTAT (TOGGLE SW. W/ PLUG FUSE)
- DUPLEX RECEPTACLE (NEMA 5-20R)
  GFI GROUND FAULT CIRCUIT INTERRUPTER
  * GFI PROTECTED
  WP WEATHERPROOF
  AC MOUNTED ABOVE COUNTER
  CLG MOUNTED IN CEILING
  BC MOUNTED BELOW COUNTER
  48" 48" AFF TO TOP OF RECEPTACLE
  DF DRINKING FOUNTAIN
- SINGLE RECEPTACLE
- SPECIAL PUPOSE RECEPTACLE
  D DRYER
  R RANGE
- QUADRAPLEX RECEPTACLE
- FLOOR MOUNTED DUPLEX RECEPTACLE
- FLOOR MOUNTED SINGLE RECEPTACLE
- FLOOR MOUNTED SPECIAL RECEPTACLE
- FLOOR MOUNTED QUADRAPLEX RECEPTACLE
- G GROUND BAR
- N NEUTRAL BAR

LIGHTING SYMBOLS

- 1X8LUMINAIRE – FLUORESCENT
- 1X4 LUMINAIRE – FLUORESCENT
- 2X4 LUMINAIRE – FLUORESCENT
  - NL — CONNECTED FOR NIGHT LIGHT USE
  - LUMINAIRE TYPE
- FLUORESCENT LUMINAIRE WITH EMERGENCY BALLAST
- OPEN INDUSTRIAL FLUORESCENT/UNDER CABINET FLUORESCENT
- DOWNLIGHT – CEILING MOUNTED
- DOWNLIGHT WITH EMERGENCY BALLAST – CEILING MOUNTED
- WALL MOUNTED LIGHT FIXTURE
- RECESSED DOWNLIGHT SINGLE WALL WASHER
- EXIT SIGN – SINGLE FACE, CEILING MOUNTED
  ARROW INDICATES DIRECTION OF EXIT
- EXIT SIGN – SINGLE FACE, WALL MOUNTED
- EXIT SIGN – DUAL FACE, CEILING MOUNTED
- EXIT SIGN – DUAL FACE, WALL MOUNTED
- EMERGENCY LIGHTING UNIT
- EMERGENCY LIGHTING – SINGLE REMOTE HEAD
- EMERGENCY LIGHTING – DUAL REMOTE HEAD
- POLE MOUNTED SITE LIGHTING – SINGLE HEAD
- POLE MOUNTED SITE LIGHTING – DUAL HEAD
- FLOOD LIGHT
- PE PHOTO CELL
- C LIGHTING CONTACTOR
- CR CONTROL RELAY

TELECOMMUNICATIONS SYMBOLS

- TELEPHONE OUTLET – WALL MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
  AC ABOVE COUNTER
  W WALL PHONE (MOUNTED 54 INCHES A.F.F.)
  D DESK PHONE (MOUNTED 36 INCHES A.F.F.)
- FAX FAX OUTLET – WALL MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
  AC ABOVE COUNTER
- DATA OUTLET – WALL MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
  AC ABOVE COUNTER
- CABLE TELEVISION OUTLET – WALL MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- CABLE TELEVISION OUTLET – FLOOR MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- DATA OUTLET – FLOOR MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- TELEPHONE OUTLET – FLOOR MOUNTED. PROVIDE BOX AND 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- AV AUDIO/VISUAL OUTLET – WALL MOUNTED.

FIRE ALARM SYMBOLS

- F MANUAL PULL STATION
- VISUAL DEVICE
- AUDIO DEVICE
- AUDIO/VISUAL DEVICE
- H HEAT DETECTOR
- S SMOKE DETECTOR
- B FIRE ALARM BELL
- D DUCT DETECTOR
- FSD FIRE ALARM FLOW SWITCH & TAMPER SWITCHES
- $ DUCT DETECTOR INDICATOR & TEST SWITCH
- FS FIRE/SMOKE DAMPER
- D MAGNETIC DOOR HOLD OPEN

1 ELECTRICAL PLAN SYMBOLS
NOT TO SCALE

A. NOT ALL THE ELECTRICAL SYMBOLS LISTED MAY BE USED ON THE DRAWINGS.

B. THESE DRAWINGS INDICATE THE GENERAL EXTENT OF THE WORK AND ARE NOT INTENDED TO INDICATE OR DESCRIBE ALL WORK REQUIRED FOR THE FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

C. PROVIDE ALL LABOR, MATERIALS, TOOLS, AND EQUIPMENT REQUIRED FOR COMPLETE AND FUNCTIONAL ELECTRICAL SYSTEMS AS SPECIFIED AND INDICATED ON THE DRAWINGS.

D. MAKE APPLICATION, OBTAIN, AND PAY FOR ALL LICENSES, PERMITS, INSPECTIONS, AND FEES REQUIRED BY ALL AUTHORITIES HAVING JURISDICTION.

E. PROMPTLY INFORM THE ENGINEER, IN WRITING, OF ANY DEVIATIONS IN THE CONTRACT DOCUMENTS FROM REQUIREMENTS OF LOCAL UTILITIES, LOCAL MUNICIPALITIES, STATE, OR FEDERAL LAWS AND REGULATIONS. PERFORM THE WORK IN ACCORDANCE WITH SUCH REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

F. "PROVIDE", WHERE USED, SHALL MEAN FOR THE CONTRACTOR TO FURNISH AND INSTALL.

G. FIRE-STOP ALL PENETRATIONS OF RATED CONSTRUCTION, INCLUDING FLOORS, WALLS, AND CEILING. RE: ARCH. PLAN FOR RATED CONSTRUCTION.

H. COMPLETE ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL ELECTRICAL SAFETY CODE (NESC) AND LOCAL REGULATIONS.

I. ALL EQUIPMENT SHALL BE U.L. LISTED.

J. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

K. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND SHOW RELATIVE LOCATIONS OF DEVICES AND EQUIPMENT. COORDINATE WITH ARCHITECTURAL PLANS AND THE ACTUAL EQUIPMENT INSTALLED.

L. COORDINATE ELECTRICAL WORK WITH THE WORK OF OTHER TRADES.

M. THERMOSTAT AND ROOM TEMPERATURE SENSORS ARE SHOWN ON THE MECHANICAL DRAWINGS. REFER TO THOSE DRAWINGS FOR LOCATIONS. COORDINATE WITH MECHANICAL.

N. CONTRACTOR IS RESPONSIPLE FOR LOCATING AND PROTECTING UTILITY LINES AND PIPING IN THE AREA UNDER CONSTRUCTION.

O. ALL CHARGES FROM WESTAR ENERGY TO INSTALL AND/OR MODIFY THE ELECTRICAL SERVICE TO THIS FACILITY WILL BE PAID BY THE CONTRACTOR.

P. ALL CHARGES FROM SOUTHWESTERN BELL TO INSTALL AND/OR MODIFY THE TELEPHONE SERVICE TO THIS FACILITY WILL BE PAID BY THE CONTRACTOR.

Q. ALL CHARGES FROM COX COMMUNICATIONS TO INSTALL AND/OR MODIFY THE CABLE TELEVISION SERVICE TO THIS FACILITY WILL BE PAID BY THE CONTRACTOR.

2 ELECTRICAL GENERAL NOTES
NOT TO SCALE

AFF	ABOVE FINISHED FLOOR	I/O	INPUT/OUTPUT
ATS	AUTOMATIC TRANSFER SWITCH	LAN	LOCAL AREA NETWORK
BC	BELOW CEILING	LFMC	LIQUID-TIGHT FLEXIBLE METAL CONDUIT
C	CONDUIT/CONDUCTOR	LP	LIGHTING PANEL
CAM	CAMERA	MCC	MOTOR CONTROL CENTER
CB	CIRCUIT BREAKER	MCP	MOTOR CONTROL PANEL
CC	CONTROLS CONTRACTOR	MH	MANHOLE
CCTV	CLOSED CIRCUIT TELEVISION	NC	NURSE CALL
CCW	COUNTER CLOCKWISE	NL	NIGHT LIGHT
CW	CLOCKWISE	PA	PUBLIC ADDRESS
DCU	DISTRIBUTED CONTROL UNIT	PIR	PASSIVE INFRARED
DN	DOWN	PP	POWER PANEL
DP	DISTRIBUTION PANEL	PR	PAIR
DT	DUST-TIGHT	PVC	POLYVINYL CHLORIDE
DWG	DRAWING(S)	R	RECESSED
EC	ELECTRICAL CONTRACTOR	RF	RADIO FREQUENCY
ELEC	ELECTRIC/ELECTRICAL	RMC	RIGID METAL CONDUIT
EM	EMERGENCY	RNC	RIGID NON-METALLIC CONDUIT (SCHD 40 PVC)
EMT	ELECTRICAL METALLIC TUBING	RT	RAINTIGHT
ER	EXISTING (TO BE) RELOCATED	SHLD	SHIELD(ED) (AS IN CABLE)
ETR	EXISTING TO REMAIN	SWBD	SWITCHBOARD
FA	FIRE ALARM	T	TRANSFORMER
FMC	FLEXIBLE METAL CONDUIT	TBR	(EXISTING) TO BE REMOVED
FO	FIBER OPTIC	TYP	TYPICAL
FS	FUSIBLE SWITCH	UNG	UNGROUNDED
GF	GROUND FAULT	UPS	UNINTERUPTABLE POWER SUPPLY
GFI	GROUND FAULT CIRCUIT INTERRUPTER	VT	VAPOR-TIGHT
GRD	GROUND/GROUNDING	WP	WEATHERPROOF
HH	HANDHOLE	WT	WATER-TIGHT
IMC	INTERMEDIATE METAL CONDUIT	XP	EXPLOSION PROOF

3 ELECTRICAL ABBREVIATIONS
NOT TO SCALE

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

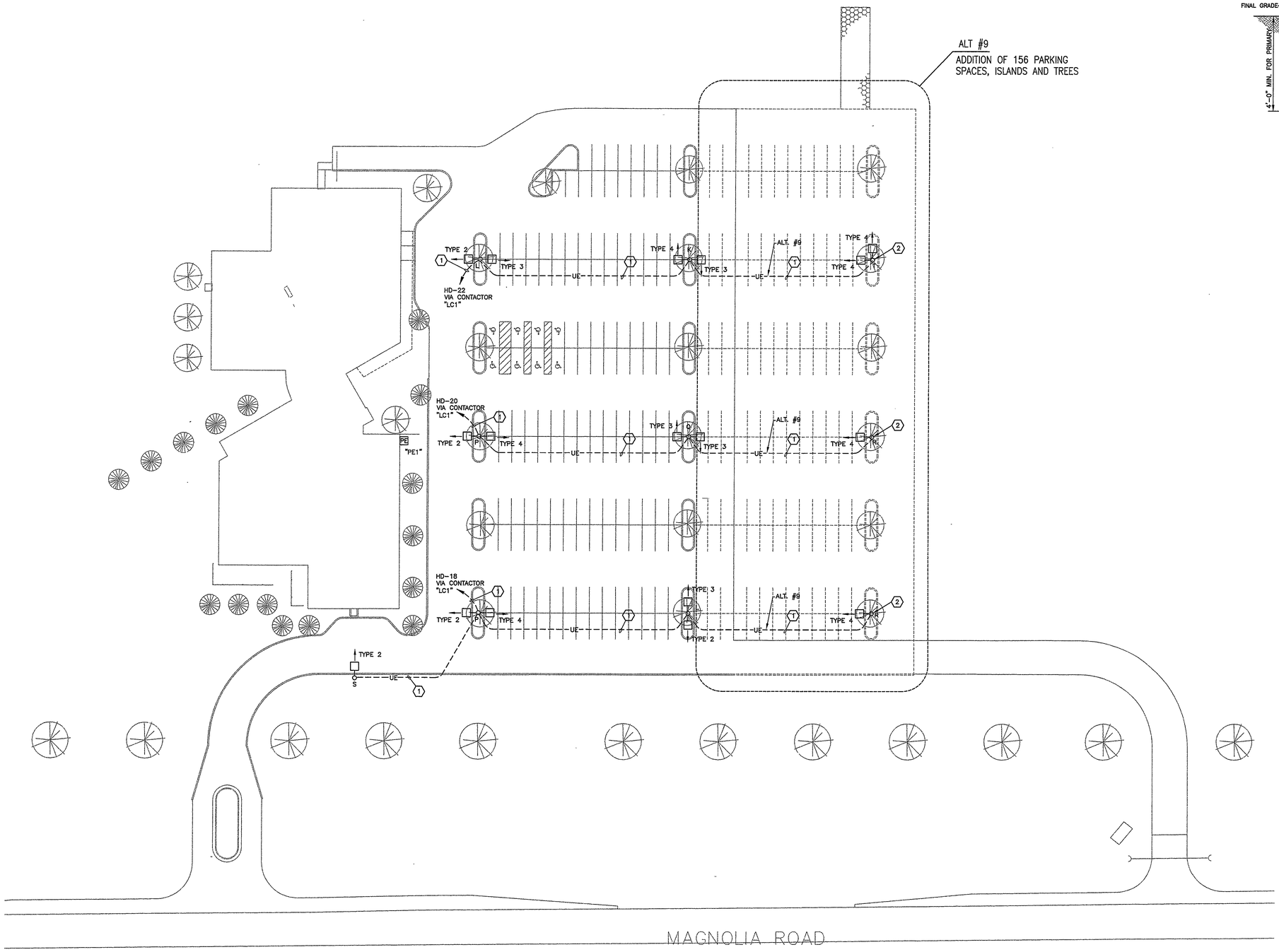
Project no: 0100-0160
Date: 4-15-2002
Sheet:

ELECTRICAL SYMBOLS

E000

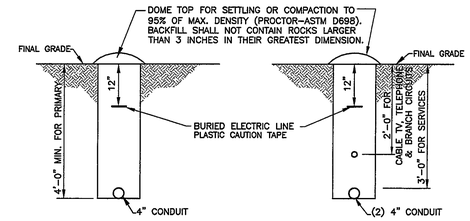
100% BID SET

L:\2001289\DWG\012886ED.DWG



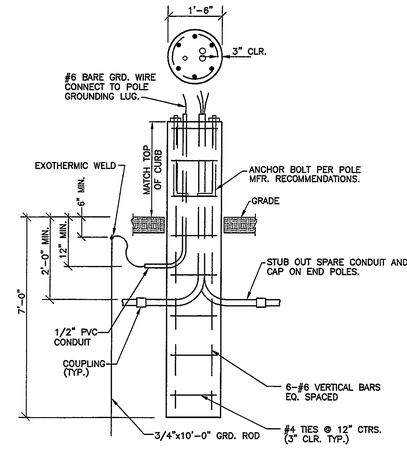
NORTH

LIGHTING SITE PLAN 1
1"=30'-0"



NOTES:
1. CONDUIT SHALL BE NATIONAL ELECTRIC CODE (NEC) APPROVED RIGID CONDUIT, SUCH AS UL LISTED RIGID METAL OR UL LISTED NON-METALLIC GRAY PVC SCHEDULE 40. THE CONDUITS SHALL BE FREE OF BURBS AND HAVE CLEAN BORES.
2. PRIMARY CONDUIT BENDS SHALL BE NEC APPROVED RIGID METAL CONDUIT AND SHALL HAVE A 36" RADIUS SWEEP. SECONDARY AND SERVICE CONDUIT BENDS SHALL BE NEC APPROVED RIGID CONDUIT AND SHALL HAVE A 24" RADIUS SWEEP.
3. CONDUITS SHALL BE LAID STRAIGHT, BOTH VERTICALLY AND HORIZONTALLY.
4. A 1/4" PULL ROPE SHALL BE INSTALLED IN EACH CONDUIT BY THE CONTRACTOR. IF THE CONTRACTOR PULL ROPE BREAKS, IT IS CONTRACTOR'S RESPONSIBILITY TO PULL IN A NEW ONE.
5. BURIED ELECTRIC LINES YELLOW PLASTIC CAUTION TAPE SHALL BE INSTALLED 12" BELOW FINAL GRADE TO WARN OTHERS OF CABLE INSTALLATION.

TRENCH DETAIL 2
NO SCALE



LIGHT POLE FOUNDATION DETAIL 3
NO SCALE

GENERAL NOTES:
A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.
B. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:
(1) PROVIDE 2#10, 1#10 GRD IN 1" SCH. 40 PVC CONDUIT.
(2) THIS POLE IS ADDED IF ALTERNATE #9 IS ACCEPTED.

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

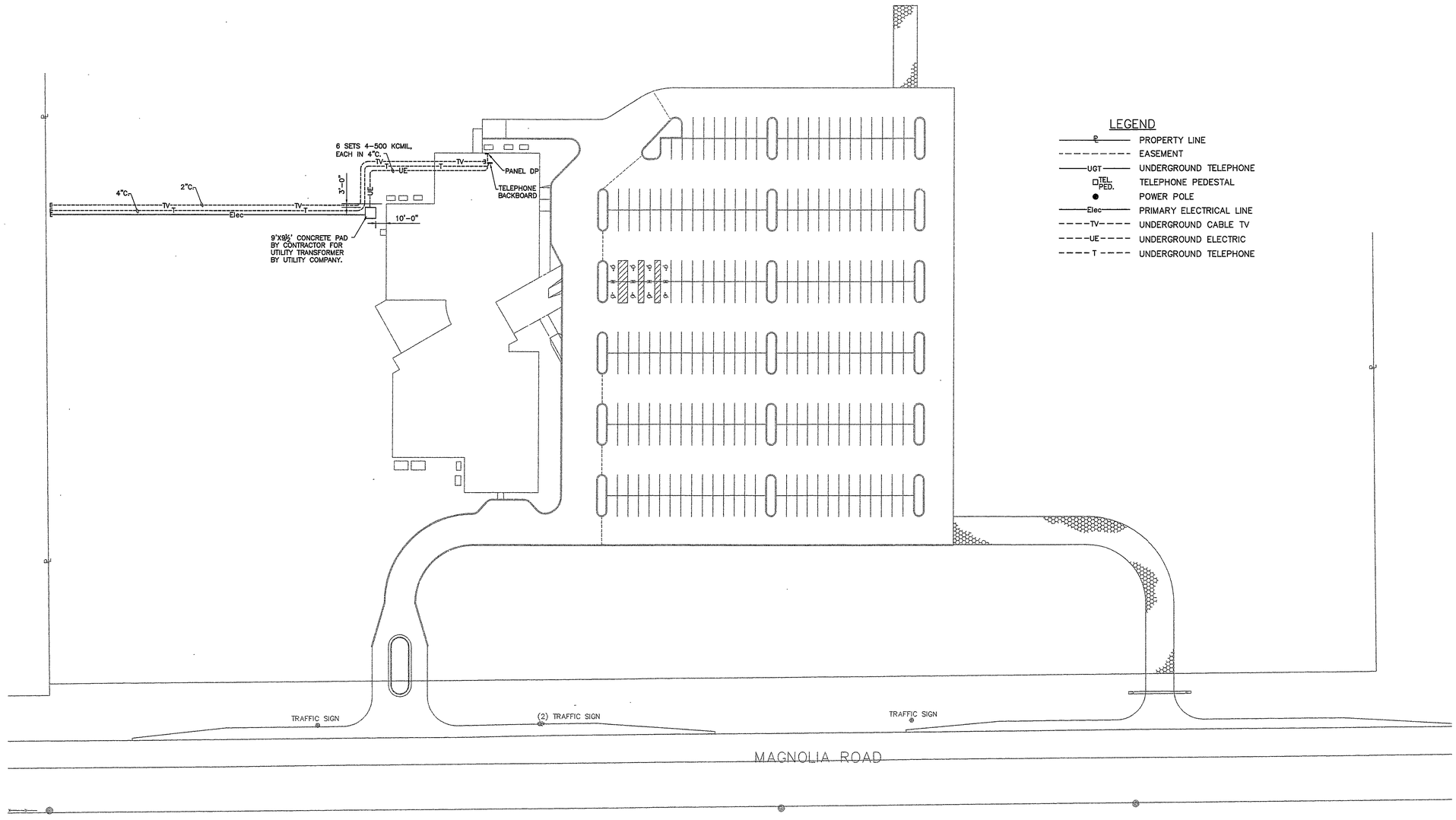
FIRST COVENANT CHURCH
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

PARKING LIGHTING PLAN
E101

100% BID SET

L:\2001286\DWG\01286EB.DWG



LEGEND

- ℄ PROPERTY LINE
- EASEMENT
- UGT UNDERGROUND TELEPHONE
- TEL. PED. TELEPHONE PEDESTAL
- POWER POLE
- Elec PRIMARY ELECTRICAL LINE
- TV UNDERGROUND CABLE TV
- UE UNDERGROUND ELECTRIC
- T UNDERGROUND TELEPHONE

NORTH

UTILITY SITE PLAN 1
1"=40'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

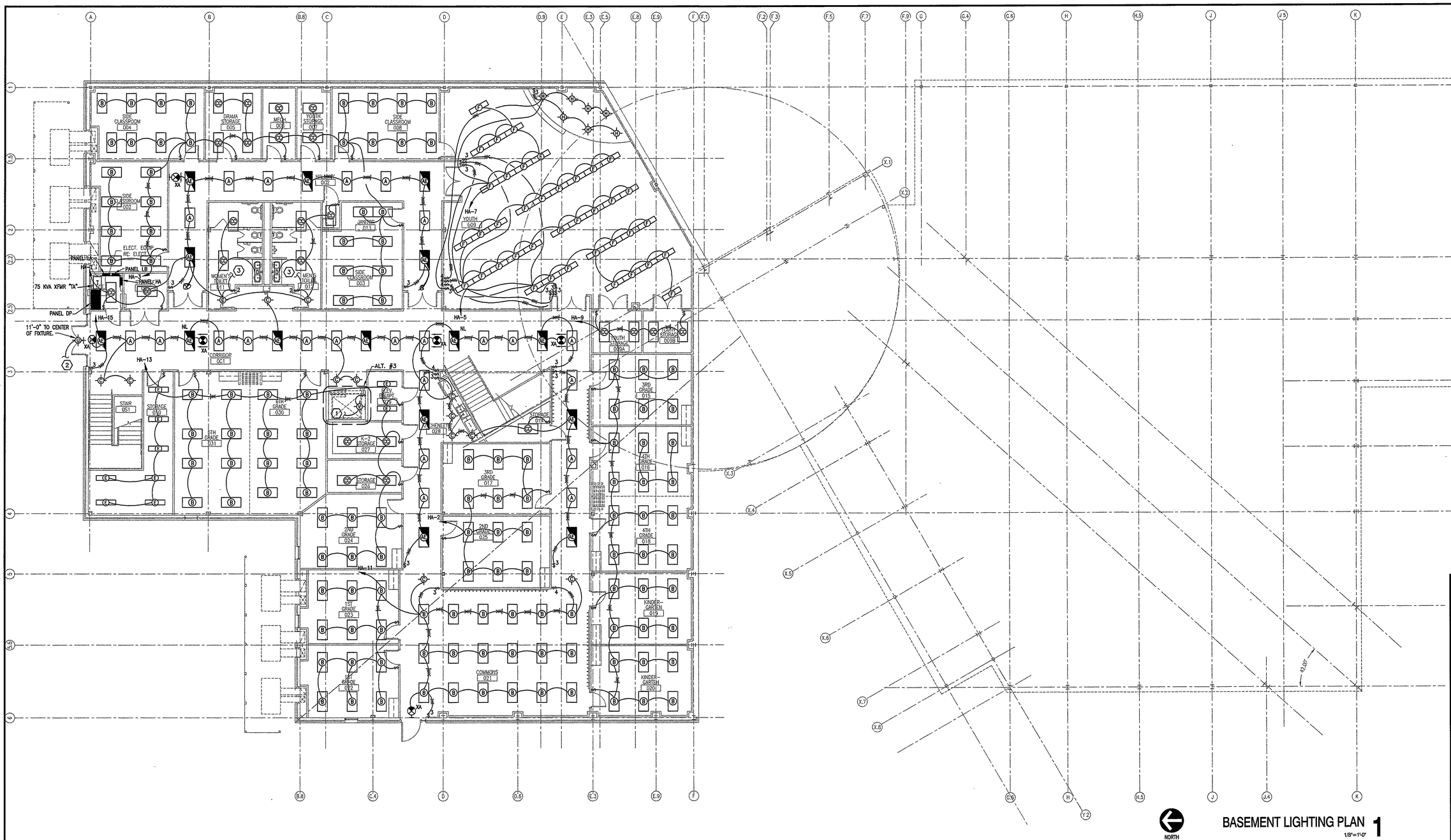
UTILITY SITE PLAN

E102

100% BID SET

LARRY WILLIAM STRUBE LICENSED PROFESSIONAL ENGINEER 11869 4/15/02 KANSAS

L:\2001298\DWG\D1298E10.DWG



BASEMENT LIGHTING PLAN 1

1/8"=1'-0"

GENERAL NOTES:

A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.

B. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:

1. CONNECT TO RECEPTACLE IN ELEVATOR PIT.
2. CONNECT TO EXTERIOR LIGHT FIXTURE ON FIRST FLOOR PLAN (CIRCUIT HD-14).
3. CONNECT TO EF-1.

LARRY WILLIAM EVERHEART — 11691 — 4/15/02 — KANSAS — PROFESSIONAL ENGINEER

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

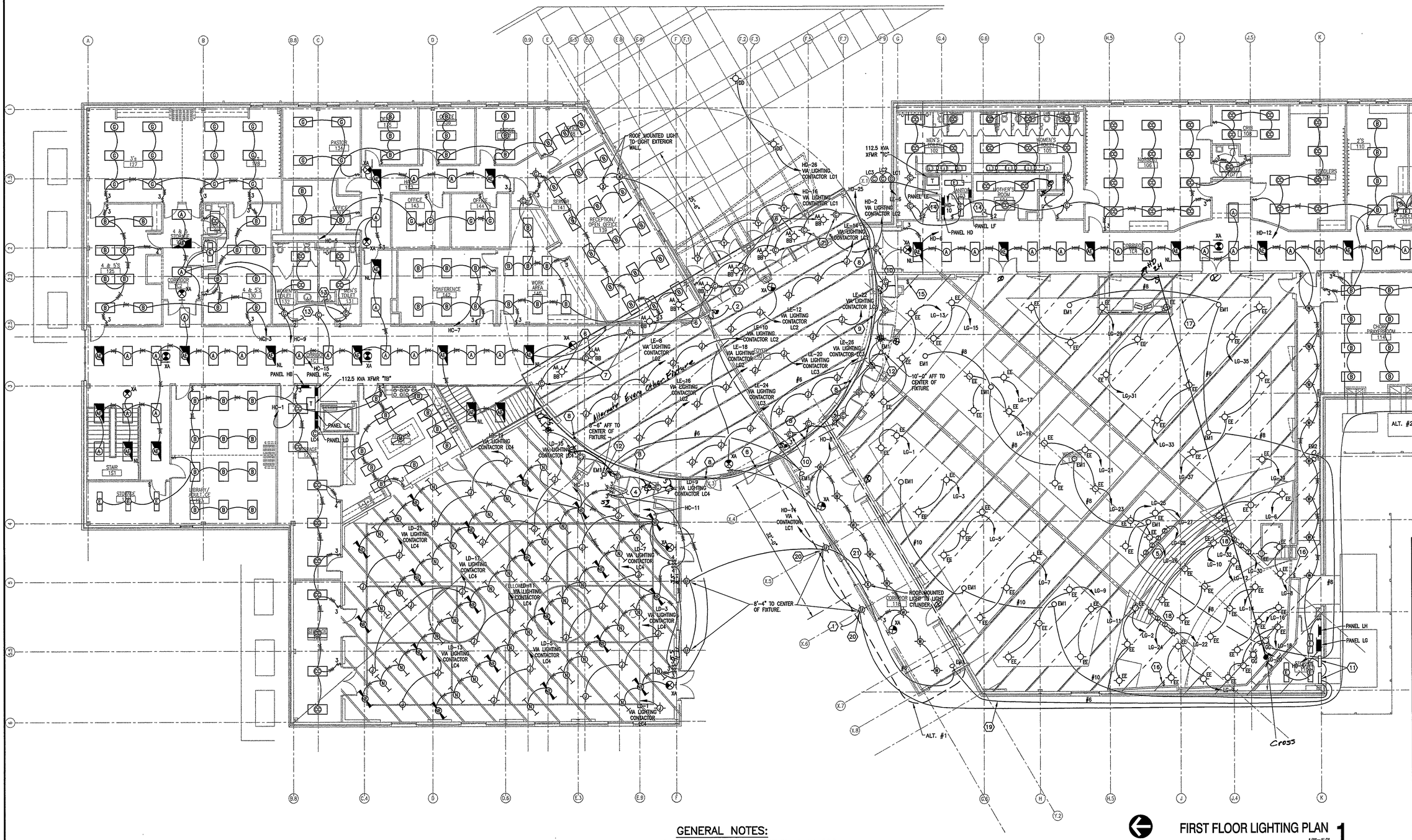
Project no:	0100-0160
Date:	4-15-2002
Sheet:	

BASEMENT LIGHTING PLAN

E201

100% BID SET

L:\2001286\DWG\0128RE1.DWG



GENERAL NOTES:

A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.

B. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:

1. CONNECT TO EXTERIOR LIGHT FIXTURE ON BASEMENT PLAN.
2. CONNECT TO LIGHTING CONTACTOR LC2.
3. NOT USED.
4. CONNECT TO LIGHTING CONTACTOR LC4.
5. TWO-CIRCUIT 8-FOOT TRACK WITH (4) TYPE "Z" LIGHT FIXTURES. MOUNT SO THAT THE FIXTURE IS 6" ABOVE CLOUDS. SUPPORT FROM STRUCTURE.
6. ONE FIXTURE SHOWN FOR CLARITY. LIGHT FIXTURE TYPE "AA" SHALL BE MOUNTED SO THE BOTTOM OF THE FIXTURE IS AT THE BOTTOM OF THE JOIST. LIGHT FIXTURE "BB" SHALL BE RECESSED IN THE MIDDLE SHELF. SEE ARCHITECTURAL SECTION 6/A314. THE NINE (9) TYPE "BB" FIXTURES SHALL BE ON CIRCUIT LE-28 VIA CONTACTOR LC3. FOUR (4) OF THE NINE (9) TYPE "AA" FIXTURES SHALL BE ON CIRCUIT LE-30 VIA CONTACTOR LC3. THE REMAINING FIVE (5) OF THE NINE (9) TYPE "AA" FIXTURES SHALL BE ON CIRCUIT LE-32 VIA CONTACTOR LC3.
7. LIGHT FIXTURE TYPE "C" SHALL BE RECESSED IN THE SOFFIT. SEE ARCHITECTURAL SECTION 6/A314.
8. LIGHTING FOR SQUARE STAIN GLASS WINDOW. PROVIDE FOUR (4) TYPE "FF" FIXTURES, ONE FIXTURE ON EACH SIDE OF THE WINDOW. SEE DRAWINGS 8/A501 AND 21/A301.
9. LIGHTING FOR ROUND STAIN GLASS WINDOW. PROVIDE SIX (6) TYPE "FF" FIXTURES. FIXTURES SHALL BE IN HEXAGON SHAPE AROUND WINDOW. SEE DRAWING 8/A501.
10. FIXTURE AT UNDERSIDE OF GYPSUM BOARD LEDGE.
11. BATTERY FOR REMOTE EMERGENCY HEADS, EMERGI-LITE MODEL #24LC300-0 (NO HEADS).
12. SEE ARCHITECTURAL ELEVATION 8/A501 FOR EXACT FIXTURE LOCTIONS.
13. CONNECT TO EF-3.
14. CONNECT TO EF-2.
15. ALM MIRAGE 5000 ENTRY STATION IN SINGLE GANG BOX. SEE DETAIL 3/E501.
16. ALM MIRAGE 5000 PRESET RECALL STATION IN SINGLE GANG BOX. SEE DETAIL 3/E501.
17. ALM MIRAGE 5000 MASTER STATION IN 4-GANG BOX. SEE DETAIL 3/E501 AT SOUND BOOTH.
18. MOUNT TRACK LIGHTING ON LEDGE BETWEEN CLOUDS.
19. IF ALT. #1 IS NOT ACCEPTED, CONNECT WIRING TO EMERGENCY LIGHTS IN FOYER 101.
20. IF ALT. #1 IS NOT ACCEPTED, EXTERIOR LIGHTS SHALL MOVE TO EXTERIOR WALL.
21. IF ALT. #1 IS NOT ACCEPTED DELETE THE ROOF MOUNTED LIGHT.

FIRST FLOOR LIGHTING PLAN 1

1/8"=1'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

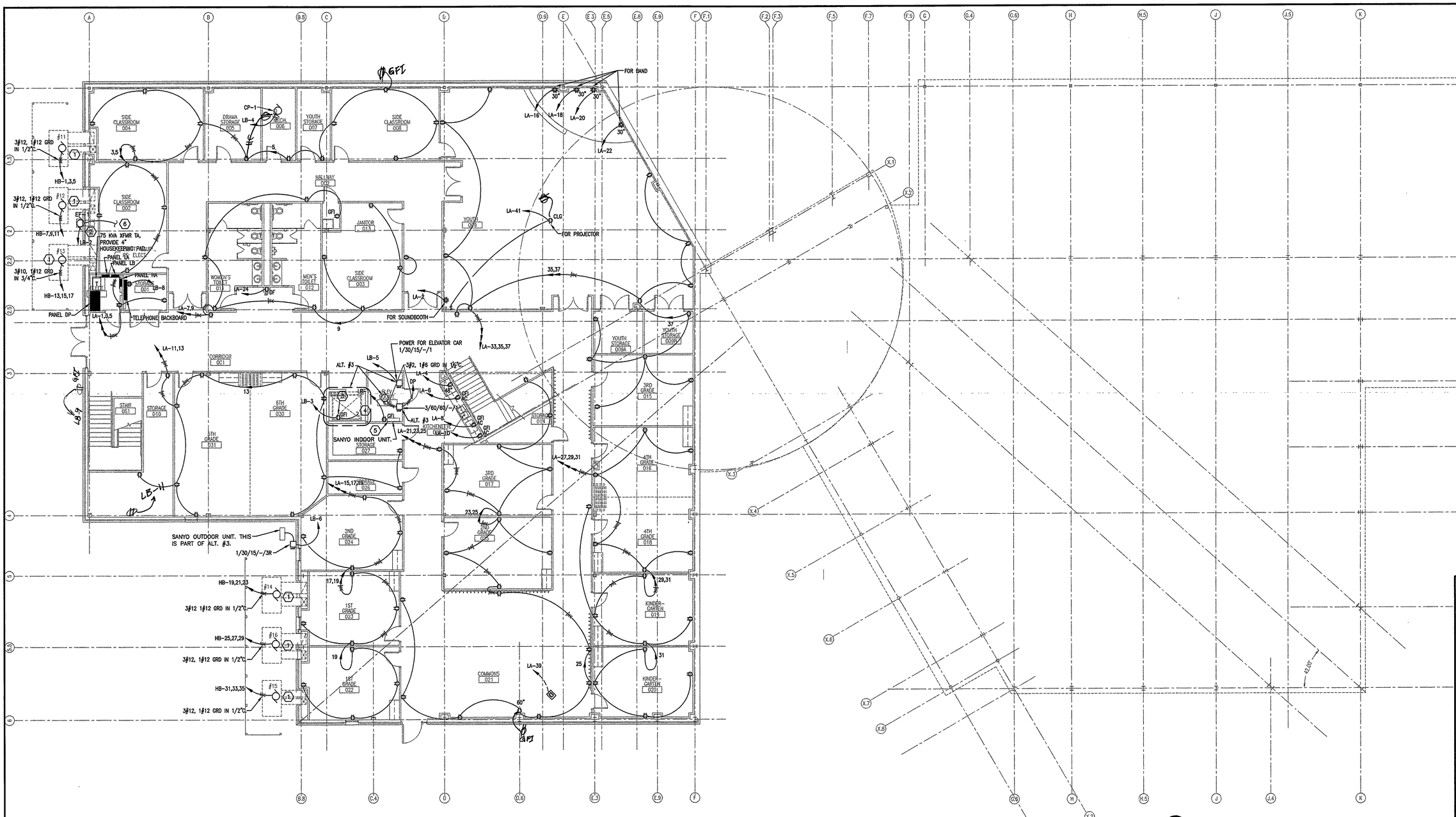
FIRST FLOOR LIGHTING PLAN

E202

100% BID SET

LARRY WILLIAMS 69,1 4/15/02 KANSAS PROFESSIONAL ENGINEER

L:\2001286\DWG\Q1285E2.DWG



NORTH

BASEMENT POWER PLAN 1

1/8"=1'-0"

GENERAL NOTES:

A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES AND ABBREVIATIONS.

B. CONVENIENCE RECEPTACLES WILL BE FACTORY PROVIDED WITH ALL ROOFTOP UNITS. SEE ROOF TOP UNIT SCHEDULE.

C. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:

1. CONNECT TO FACTORY PROVIDED DISCONNECT SWITCH AND RECEPTACLE.
2. CONNECT TO FACTORY PROVIDED DISCONNECT SWITCH.
3. GFI RECEPTACLE SHALL HAVE COVER & GUARD. MOUNT 12" OFF THE PIT FLOOR.
4. CONNECT TO LIGHT IN ELEVATOR PIT.
5. CONNECT TO SANYO OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. THIS IS PART OF ALT. #3.
6. CONNECT TO LIGHT SWITCH IN MEN'S TOILET 012 AND WOMEN'S TOILET 011.

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

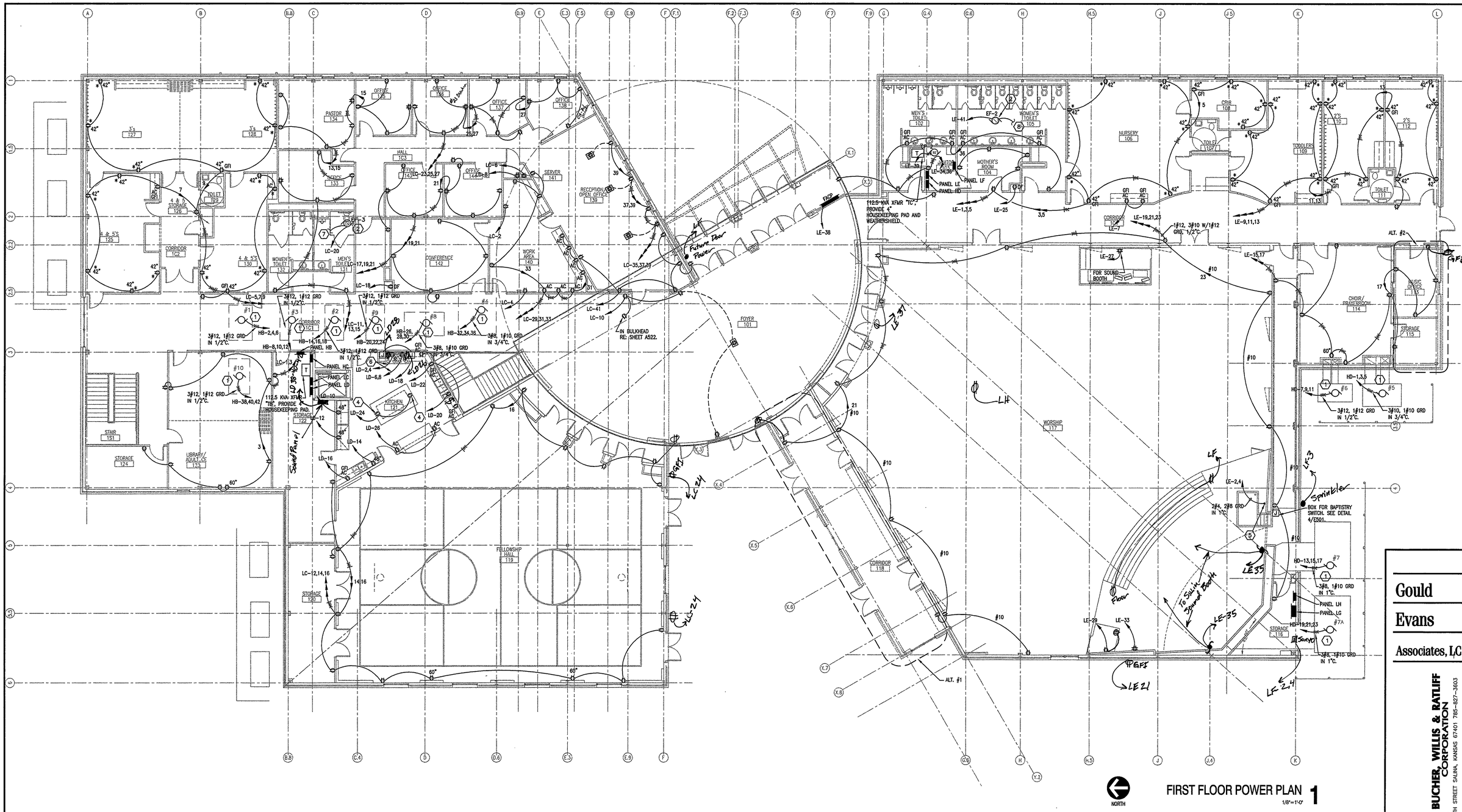
Project no:	0100-0160
Date:	4-15-2002
Sheet:	

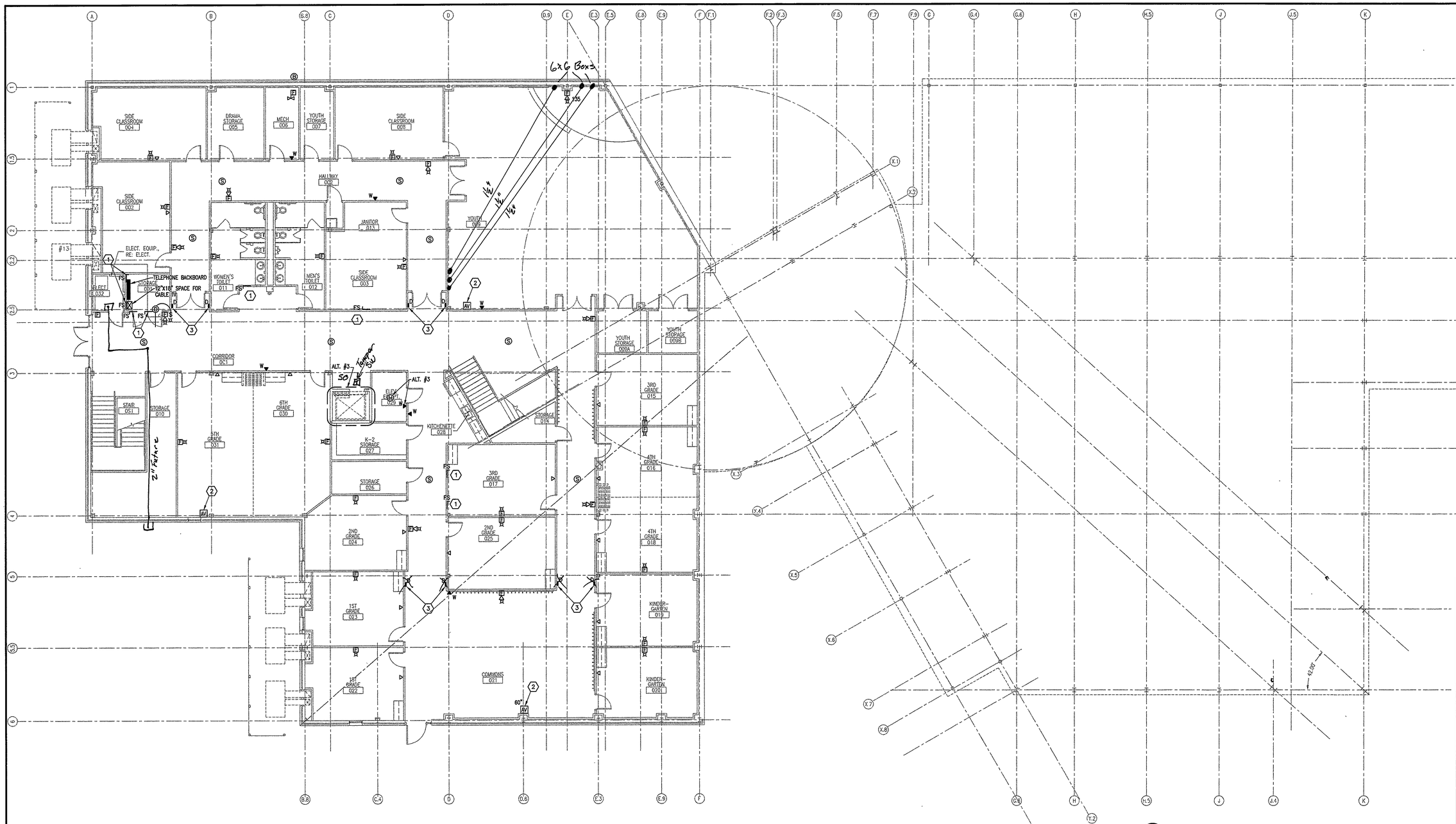
BASEMENT POWER PLAN

E301

100% BID SET

L:\2001280\DWG\V012865.DWG


FIRST FLOOR POWER PLAN 1
1/8"=1'-0"
NORTH
GENERAL NOTES:
A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.
B. CONVENIENCE RECEPTACLES WILL BE FACTORY PROVIDED WITH ALL ROOFTOP UNITS. SEE ROOF TOP UNIT SCHEDULE.
C. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.
KEYED NOTES:
1 CONNECT TO FACTORY PROVIDED DISCONNECT SWITCH AND RECEPTACLE.
2 CONNECT TO FACTORY PROVIDED DISCONNECT SWITCH.
3 CONNECT TO LIGHT FIXTURE AND SWITCH IN THIS ROOM.
4 SEE ARCHITECTURAL DETAIL 1G/A501 FOR LOCATION OF RECEPTACLE.
5 POWER CONNECTION TO BAPTISTRY. SEE DETAIL 4/E501.
6 3#8 W/1#10 GRD, 3/4"C.
7 CONNECT TO LIGHT SWITCH IN MEN'S TOILET 131 AND WOMEN'S TOILET 132.
8 CONNECT TO LIGHT SWITCH IN MEN'S TOILET 102 AND WOMEN'S TOILET 105.
Gould Evans Associates, LC
BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603
FIRST COVENANT CHURCH
MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS
Project no: 0100-0160
Date: 4-15-2002
Sheet:
FIRST FLOOR POWER PLAN
E302
100% BID SET
LARRY WILLIAM WILLIS
LICENSED
11691
4/15/02
KANSAS
PROFESSIONAL ENGINEER
L:\2001286\DWG\01286E4.DWG



BASEMENT SPECIAL SYSTEMS PLAN 1

1/8"=1'-0"

NORTH

GENERAL NOTES:

A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.

B. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:

1. CONNECT TO FIRE ALARM SYSTEM AND CIRCUIT LA-28..
2. PROVIDE BOX AND 1" CONDUIT TO SOUNDBOOTH IN WORSHIP 117.
3. PROVIDE MAGNETIC DOOR HOLD OPEN MOUNTED ON WALL. CONNECT TO FIRE ALARM SYSTEM AND CIRCUIT LA-26.

KARL WILLIAM SMITH LICENSED 11691 4/15/02 KANSAS PROFESSIONAL ENGINEER

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

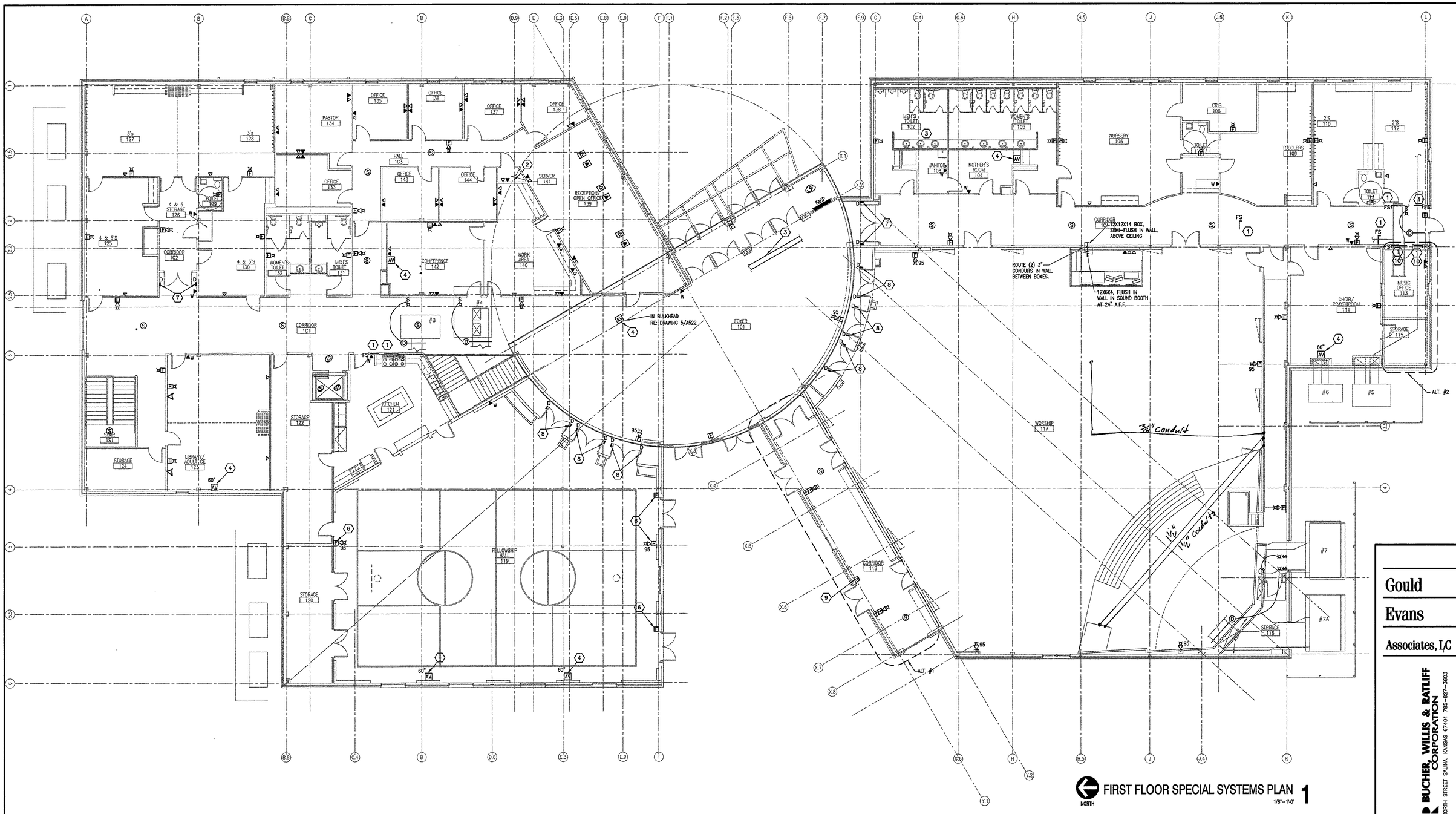
Project no: 0100-0160
Date: 4-15-2002
Sheet:

BASEMENT SPECIAL SYSTEMS PLAN

E401

100% BID SET

L:\2001288\DWG\0128E3.DWG



GENERAL NOTES:

A. REFER TO SHEET E000 FOR LEGEND, GENERAL NOTES & ABBREVIATIONS.

B. SEE ARCHITECTURAL PLANS FOR DETAILS ON ALTERNATES.

KEYED NOTES:

1. CONNECT TO FIRE ALARM SYSTEM AND CIRCUIT LE-42.
2. PROVIDE (1)1" CONDUIT UNDER FLOOR FROM SERVER 141 TO SOUND BOOTH IN WORSHIP 117.
3. (2)2" CONDUITS FOR DATA AND CABLE TV FROM CORRIDOR IC1 TO CORRIDOR IC4. ROUTE IN SOFFIT WITH DUCTWORK.
4. PROVIDE BOX AND 1" CONDUIT TO SOUNDBOOTH IN WORSHIP 117.
5. NOT USED.
6. WITH PROTECTIVE WIRE GUARD.
7. PROVIDE MAGNETIC DOOR HOLD OPEN MOUNTED ON WALL. CONNECT TO FIRE ALARM SYSTEM AND CIRCUIT LE-40.
8. PROVIDE MAGNETIC DOOR HOLD OPEN MOUNTED TO FLOOR. CONNECT TO FIRE ALARM SYSTEM AND CIRCUIT LE-40.
9. IF ALT. #1 IS NOT ACCEPTED, MOVE PULL STATION TO INSIDE WORSHIP 117.
10. IF ALT. #2 IS NOT ACCEPTED THE LOCATION OF THE F/S DAMPER WILL CHANGE.

NORTH

FIRST FLOOR SPECIAL SYSTEMS PLAN 1

1/8"=1'-0"

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

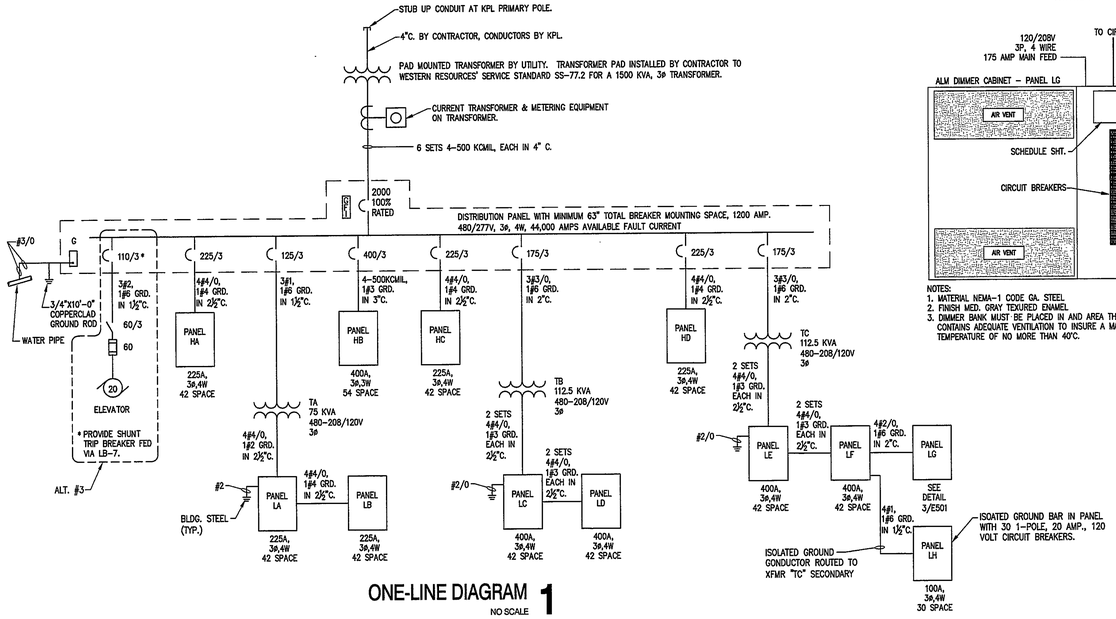
FIRST FLOOR SPECIAL SYSTEMS PLAN

E402

100% BID SET

JOHN WILLIAM SMITH LICENSED 11691 4/15/02 KANSAS PROFESSIONAL ENGINEER

L:\2001\2091\DWG\01SEE3.DWG



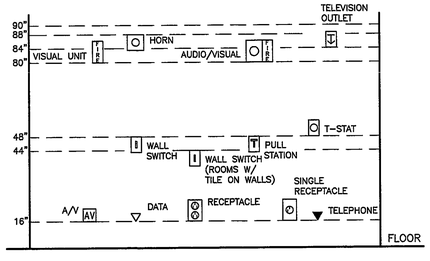
ONE-LINE DIAGRAM 1

NO SCALE

LIGHTING FIXTURE SCHEDULE							
MARK	MANUFACTURER*	CATALOG NUMBER*	LAMPS NO.	LAMPS TYPE	VOLTAGE	MOUNTING	REMARKS
A	LITHONIA	2SP8G332PC2S277GEB	3	F32T8, 3500K	277	RECESSED	
AE	LITHONIA	2SP8G332P C2S277GEBEL	3	F32T8, 3500K	277	RECESSED	1,7
B	LITHONIA	2SP8G332A121252277GEB	3	F32T8, 3500K	277	RECESSED	
C	LITHONIA	AF2/26DTT8AR277GEB	2	26 DTT	277	RECESSED	
D	LITHONIA	WP232D0277GEB	2	F32T8, 3500K	277	SURFACE	
E	LITHONIA	LB232277GEB	2	F32T8, 3500K	277	SURFACE	
F	H.E. WILLIAMS	SLB-4-332-WPSB-EB3-277	3	F32T8, 3500K	277	SURFACE	
G	LITHONIA	2SP8G432A121252776EB	4	F32T8, 3500K	277	RECESSED	
H	LITHONIA	CF11326DTT10AR277GEB10DWHG	3	26 DTT	277	SURFACE	
J	KIRLIN	SR30923	1	Q500W	120	PENDANT	9
K	KIM LIGHTING	2B-(SEE REMARKS)-250MH277-DBP-VSF2B	2	MH 250W	277	POLE	2,10
L	KIM LIGHTING	2B-(SEE REMARKS)-250MH277-DBP-VSF2B	2	MH 250W	277	POLE	3,10
M	LITHONIA	M232A12125277GEB	2	F32T8	277	UNDERCABINET	
N	H.E. WILLIAMS	SLB-4-432-WPSB-(2)EB2-277	4	F32T8, 3500K	277	PENDANT	9,14
NE	H.E. WILLIAMS	SLB-4-432-WPSB-EM7-(2)EB2-277	4	F32T8, 3500K	277	PENDANT	9,15
P	KIM LIGHTING	2B-(SEE REMARKS)-250MH277-DBP-VSF2B	2	MH 250W	277	POLE	4,10
Q	KIM LIGHTING	2B-CCS25A3-250MH277-LGP-VSF2B	2	MH 250W	277	POLE	10
R	KIM LIGHTING	1A-CCS25A4-250MH277-LGP-VSF1A	1	MH 250W	277	POLE	5
S	KIM LIGHTING	1A-CCS25A2-250MH277-LGD-VSF1A	1	MH 250W	277	POLE	5
T	KIM LIGHTING	2L-CCS25A4-250SMH277-LGP-VSF2L	2	MH 250W	277	POLE	12
U	BETA LIGHTING	BCD407N8-BRONZE	1	MH 70W	277	SURFACE	
V	LEVITON	9875	1	100W	120	SURFACE	8
W	LITHONIA	CF112/42TRT10AR277GEB10DWHG	2	42DTT	277	SURFACE	
X	INFRANOR	PL12-400MH-HPM-277-YK-PD-LP-BK	1	MH 400W	277	ROOF MOUNTED	
Y	HUBBELL	LMX710 W/ 62W TRIM	1	MH 100W	277	RECESSED	11
Z	LITHONIA	LTCRNDBPAR38MBWH	1	250W	120	TRACK	
AA	KIRLIN	SR30921	1	Q250W	120	PENDANT	9
BB	LITHONIA	A8AR	1	150W	120	RECESSED	
CC	LITHONIA	2SP8G232A12125277GEB	2	F32T8, 3500K	277	RECESSED	
DD	BETA LIGHTING	BAE410C-D-BQHCL-BRONZE	1	MH 100W	277	BOLLARD	13
EE	KIRLIN	RR30717	1	Q500W	120	RECESSED	
FF	H.E. WILLIAMS	73-2-124T5H-R1508-EB1-277	1	F24T5, 3500K	277	SURFACE	
GG	KIRLIN	RR30635	1	250W PAR38	120	RECESSED	
XA	DUAL LITE	LXURWE	–	LED	277	SURFACE	6
EM1	EMERGI-LITE	24VOLT-EF17(1G)-25WATTS	2	25W RP11	24	RECESSED	6
EM2	EMERGI-LITE	24VOLT-EF18D(1G)-25WATTS	2	25W RP11	24	SURFACE	6

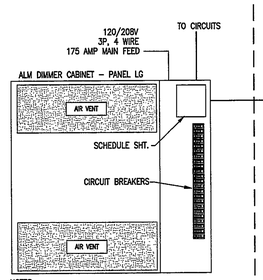
* ESTABLISHES QUALITY. APPROVED EQUAL LIGHT FIXTURES ACCEPTABLE.

REMARKS:
1. WITH EMERGENCY BALLAST.
2. ONE FIXTURE SHALL BE CCS25A3 AND ONE FIXTURE SHALL BE CCS25A4. SEE SHEET E101.
3. ONE FIXTURE SHALL BE CCS25A2 AND ONE FIXTURE SHALL BE CCS25A3. SEE SHEET E101.
4. ONE FIXTURE SHALL BE CCS25A2 AND ONE FIXTURE SHALL BE CCS25A4. SEE SHEET E101.
5. POLE SHALL BE KIM LIGHTING MODEL #KRS30-5180-A-DBP.
6. PROVIDE WITH UNSWITCHED POWER.
7. LIGHTS INDICATED AS "NIGHT LIGHTS" (NL) SHALL BE PROVIDED WITH UNSWITCHED POWER.
8. WITH GLASS GLOBE AND WIRE GUARD.
9. MOUNT BOTTOM OF FIXTURE AT BOTTOM OF JOIST.
10. POLE SHALL BE KIM LIGHTING MODEL #KRS30-5180-B-DBP.
11. OPEN FIXTURE METAL HALIDE LAMP.
12. POLE SHALL BE KIM LIGHTING MODEL #KRS30-5180-L-DBP.
13. PROVIDE BQHCL LOUVER.
14. PROVIDE (2) 2 LAMP BALLASTS.
15. PROVIDE (2) 2 LAMP BALLASTS AND EMERGENCY BALLAST.

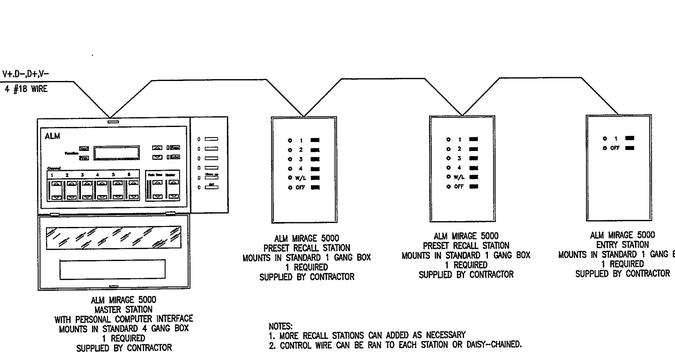


MOUNTING SCHEDULE 2

TYP. UNLESS OTHERWISE NOTED



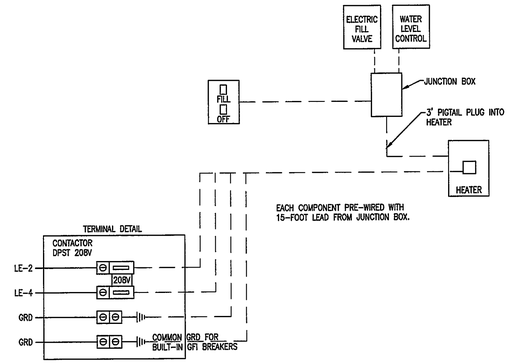
NOTES:
1. MATERIAL NEMA-1 CODE GA. STEEL
2. FINISH MED. GRAY TEXURED ENAMEL
3. DIMMER BANK MUST BE PLACED IN AND AREA THAT CONTAINS ADEQUATE VENTILATION TO INSURE A MAXIMUM TEMPERATURE OF NO MORE THAN 40°C.



NOTES:
1. MORE RECALL STATIONS CAN ADDED AS NECESSARY
2. CONTROL WIRE CAN BE RAN TO EACH STATION OR DAISY-CHAINED.

WORSHIP 117 LIGHTING CONTROL 3

NO SCALE

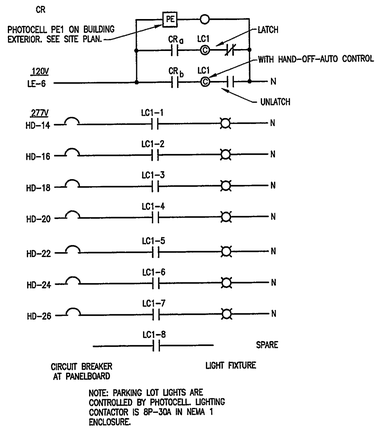


BAPTISTRY POOL ELECTRICAL DIAGRAM 4

NO SCALE

PANELBOARD LG ALM DIMMER PANEL												
VOLTS: 120/208, 3ø, 4W MOUNTING: SURFACE											BUS MAINS: 175A MAIN C/B: N/A C/B RATINGS: 10,000 AIC	
DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
LIGHTING - WORSHIP 117 CLOUDS	1000			20	1	2	20	1500			LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS		1000		20	3	4	20		1500		LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS			1500	20	5	6	20			1500	LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS	1500			20	7	8	20	1500			LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS		1500		20	9	10	20		1500		LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS			1000	20	11	12	20			1500	LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS	1500			20	13	14	20	1500			LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS		1000		20	15	16	20		1500		LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS			1000	20	17	18	20			1500	LIGHTING - WORSHIP 117 STAGE
LIGHTING - WORSHIP 117 CLOUDS	1000			20	19	20	20	500			LIGHTING - WORDHIP 117 CROSS
LIGHTING - WORSHIP 117 CLOUDS		1000		20	21	22	20		500		LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS			1000	20	23	24	20			500	LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS	1000			20	25	26	20	500			LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS		1000		20	27	28	20		500		LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS			1500	20	29	30	20			500	LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS	1500			20	31	32	20	500			LIGHTING - WORSHIP 117 TRACK
LIGHTING - WORSHIP 117 CLOUDS		1000		20	33	34	20		–		SPARE
LIGHTING - WORSHIP 117 CLOUDS			1000	20	35	36	20			–	SPARE
LIGHTING - WORSHIP 117 CLOUDS	1500			20	37	38	20	–			SPARE
LIGHTING - WORSHIP 117 CLOUDS		500		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE
SPARE	–			20	43	44	20	–			SPARE
SPARE		–		20	45	46	20		–		SPARE
SPARE			–	20	47	48	20			–	SPARE

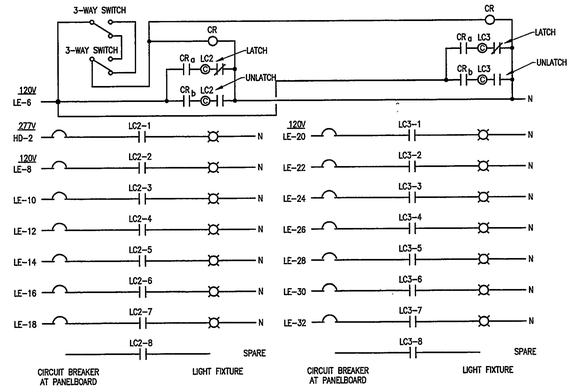
CONNECTED LOADS:
Aø 15.0 KVA, Bø 12.5 KVA, Cø 12.5 KVA, TOTAL 40.0 KVA
ESTIMATED DEMAND: 40.0 KVA



NOTE: PARKING LOT LIGHTS ARE CONTROLLED BY PHOTOCELL LIGHTING CONTACTOR IS 8P-30A IN NEMA 1 ENCLOSURE.

EXTERIOR BUILDING & PARKING LOT LIGHTING CONTROL 6

NO SCALE

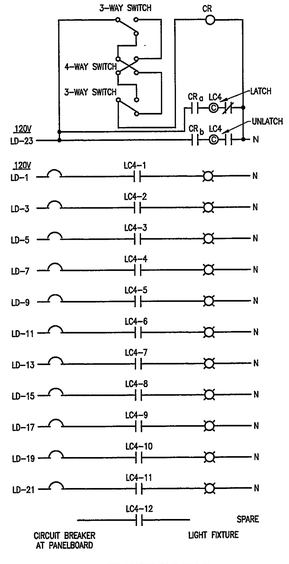


NOTE: LIGHTING CONTACTOR IS 8P-30A IN NEMA 1 ENCLOSURE.

NOTE: LIGHTING CONTACTOR IS 8P-30A IN NEMA 1 ENCLOSURE.

FOYER 101 LIGHTING CONTROL 5

NO SCALE



NOTE: LIGHTING CONTACTOR IS 12P-30A IN NEMA 1 ENCLOSURE.

FELLOWSHIP HALL 119 TUNGSTEN HALOGEN LIGHTING CONTROL 7

NO SCALE

Gould
Evans
Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

DETAILS, SCHEDULES, & ONE-LINE

E501

100% BID SET

TROY WILLIAM LUDT LICENSED PROFESSIONAL ENGINEER 11691 4/15/02 KANSAS

L:\2001286\DWG\012286E7.DWG

PANELBOARD HA

VOLTS: 480/277, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 225A
MAIN C/B: MLO
C/B RATING: 18,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
LGTS– ELECT, 032, STOR. 001 CORR. OC2, TOL 011 & 012, JAN. 013	1811			20	1	2	20	1356			LIGHTS – 3RD GRADE 017, 2ND GRADE 025
LIGHTS – CLASS 002, 003, 004, & 008, STORAGE 005 & 007, MECH. 006		3352		20	3	4	20		–		SPARE
LIGHTS – YOUTH 009			2790	20	5	6	20			–	SPARE
LIGHTS – YOUTH 009	1280			20	7	8	20	–			SPARE
LIGHTS–STOR. 009A & 009B, 3RD GR. 015, 4TH GR. 018 & 018, KGT. 019 & 020		2936		20	9	10	20		–		SPARE
LIGHTS – MEETING/SINGING 021, 1ST GRADE 022 & 023			2810	20	11	12	20			–	SPARE
LGTS–2ND GR. 024, STOR. 010, 026 & 027, ELEV. EQ. 029, 5TH GR. 031, 6TH GR. 030	2747			20	13	14	20	–			SPARE
LIGHTS – CORR. OC1, KIT. 028, STOR. 014		2980		20	15	16	20		–		SPARE
SPARE			–	20	17	18	20			–	SPARE
SPARE	–			20	19	20	20	–			SPARE
SPARE		–		20	21	22	20		–		SPARE
SPARE			–	20	23	24	20			–	SPARE
SPARE	–			20	25	26	20	–			SPARE
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE

BREAKERS SHALL BE SERIES RATED.

CONNECTED LOADS:
Aø 7.19 KVA, Bø 9.27 KVA, Cø 5.60 KVA, TOTAL 22.06 KVA
ESTIMATED DEMAND: 22.06 KVA

PANELBOARD HB

VOLTS: 480, 3ø, 3W
MOUNTING: SURFACE

BUS MAINS: 400A
MAIN C/B: 400
C/B RATING: 18,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
RTU–11	2739			15	1	2	20	3099			RTU–1
		2739			3	4			3099		
			2739		5	6				3099	
RTU–12	3514			20	7	8	20	3514			RTU–3
		3514			9	10			3514		
			3514		11	12				3514	
RTU–13	5257			25	13	14	20	3514			RTU–2
		5257			15	16			3514		
			5257		17	18				3514	
RTU–14	3624			20	19	20	20	3790			RTU–9
		3624			21	22			3790		
			3624		23	24				3790	
RTU–16	3099			20	25	26	35	7027			RTU–8
		3099			27	28			7027		
			3099		29	30				7027	
RTU–15	2462			15	31	32	45	9905			RTU–4
		2462			33	34			9905		
			2462		35	36				9905	
SPACE	–			–	37	38	15	2739			RTU–10
SPACE		–		–	39	40			2739		
SPACE			–	–	41	42				2739	
SPACE	–			–	43	44	–	–			SPACE
SPACE		–		–	45	46	–		–		SPACE
SPACE			–	–	47	48	–			–	SPACE
SPACE	–			–	49	50	–	–			SPACE
SPACE		–		–	51	52	–		–		SPACE
SPACE			–	–	53	54	–			–	SPACE

BREAKERS SHALL BE SERIES RATED.

CONNECTED LOADS:
Aø 54.3 KVA, Bø 54.3 KVA, Cø 54.3 KVA, TOTAL 162.8 KVA
ESTIMATED DEMAND: 162.8 KVA

PANELBOARD HC

VOLTS: 480/277, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 225A
MAIN C/B: 225
C/B RATING: 18,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
LIGHTS – STORAGE 120, 122, KITCHEN 121 LIBRARY/ADULT CE 123, STORAGE 124	2747			20	1	2	20	–			SPARE
LIGHTS – 4'S & 5'S 125 & 130, 3'S 127 & 128		2718		20	3	4	20		–		SPARE
LIGHTS – OFF. 133, PASTOR 134, OFFICES 135, 136, 137, 138, 143 & 144			2262	20	5	6	20			–	SPARE
LIGHTS – CONF. 142, WORK AREA 140, SERVER 141 RECEPTION/OPEN OFFICE	2536			20	7	8	20	–			SPARE
LIGHTS – TOILET 132, TOILET 131, CORRIDOR 1C2 & 1C3		1191		20	9	10	20		–		SPARE
LIGHTS – FELLOWSHIP HALL 119, FLUORESCENT			3078	20	11	12	20			–	SPARE
LIGHTS – FELLOWSHIP HALL 119, FLUORESCENT	2967			20	13	14	20	–			SPARE
LIGHTS – CORR. 1C1, STAIRS 1S1		2497		20	15	16	20		–		SPARE
SPARE			–	20	17	18	20			–	SPARE
SPARE	–			20	19	20	20	–			SPARE
SPARE		–		20	21	22	20		–		SPARE
SPARE			–	20	23	24	20			–	SPARE
SPARE	–			20	25	26	20	–			SPARE
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE

BREAKERS SHALL BE SERIES RATED.

CONNECTED LOADS:
Aø 8.25 KVA, Bø 6.41 KVA, Cø 5.34 KVA, TOTAL 20.00 KVA
ESTIMATED DEMAND: 20.00 KVA

PANELBOARD HD

VOLTS: 277/480, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 225A
MAIN C/B: 225
C/B RATING: 18,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
RTU–5	6419			30	1	2	20	848			LIGHTS – FOYER 101
		6419			3	4	20		600		EMERGENCY LIGHTS – FOYER 101, WORSHIP 117
			6419		5	6	20			1840	LIGHTS – CORRIDOR 1C4, CORRIDOR STORAGE 116
RTU–6	3099			20	7	8	20	701			LIGHTS – CORRIDOR 118
		3099			9	10	20		2395		LIGHTS–JAN. 103, TOI 102&105, MOTHER'S RM 104, NURS. 106, TOI. 107, CRIB 108
			3099		11	12	20			2241	LIGHTS–TODD. 109, 2'S 110&112, TOI. 111, CHR./PR. 114, MUS. OFF. 113, STOR. 115
RTU–7	13723			60	13	14	20	1075			EXTERIOR BLDG. LIGHTS
		13723			15	16	20		1506		EXTERIOR CANOPY LIGHTS, EXTERIOR ROOF MOUNTED LIGHT
			13723		17	18	20			2065	PARKING LOT LIGHTS
RTU–7A	13723			60	19	20	20	1475			PARKING LOT LIGHTS
		13723			21	22	20		1770		PARKING LOT LIGHTS
			13723		23	24	20			–	SPARE
LIGHTS – STAIN GLASS WINDOWS FOYER 101	864			20	25	26	20	258			BOLLARDS
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE

BREAKERS SHALL BE SERIES RATED.

CONNECTED LOADS:
Aø 42.19 KVA, Bø 43.24 KVA, Cø 43.11 KVA, TOTAL 128.54 KVA
ESTIMATED DEMAND: 128.54 KVA

PANELBOARD LA

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 225A
MAIN C/B: 225
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
REC – ELECT 032, STORAGE 001, CLASS 002	1200			20	1	2	20	400			REC – YOUTH 009 SOUNDBOOTH
REC – CLASS 004, STORAGE		1000		20	3	4	20		1440		REC – KITCHENETTE 028 REFRIGERATOR
REC – CLASS 008, STORAGE 007, MECH 006			1200	20	5	6	20			200	REC – KITCHENETTE 028
REC – TOILET 012, TOILET 011, CORRIDOR 0C1, 002, JANITOR 013	1200			20	7	8	20	1200			REC – KITCHENETTE 028 MICROWAVE
REC – CLASS 003, CORRIDOR 0C2		1000		20	9	10	20		200		REC – KITCHENETTE 028
REC – 5TH GRADE 031, STORAGE 010			1200	20	11	12	20			–	SPARE
REC – STORAGE 026, 027, 6TH GRADE 030	1200			20	13	14	20	–			SPARE
REC – 2ND GRADE 024		800		20	15	16	20		400		REC – YOUTH 009 BAND
REC – 1ST GRADE 023			800	20	17	18	20			400	REC – YOUTH 009 BAND
REC – 1ST GRADE 022	800			20	19	20	20	400			REC – YOUTH 009 BAND
REC – 3RD GRADE 017, CORRIDOR 0C1, STORAGE 014		1400		20	21	22	20		400		REC – YOUTH 009 BAND
REC – MEETING/SINGING 021, 2ND GRADE 025			1200	20	23	24	20			200	REC – DRINKING FOUNTAIN CORRIDOR 0C1
REC – MEETING/SINGING 021	1000			20	25	26	20	100			DOOR HOLD OPENS
REC – 4TH GRADE 018, 4TH GRADE 016		1200		20	27	28	20		100		FIRE/SMOKE DAMPERS
REC – KINDERGARTEN 019, CORRIDOR 0C1			1000	20	29	30	20			–	SPARE
REC – KINDERGARTEN 020	800			20	31	32	20	–			SPARE
REC – YOUTH 009, CORRIDOR 0C1		1000		20	33	34	20		–		SPARE
REC – YOUTH 009			800	20	35	36	20			–	SPARE
REC – 3RD GRADE 015, STORAGE 009A, STORAGE 009B	1200			20	37	38	20	–			SPARE
FLOOR REC – MEETING/SINGING 021		200		20	39	40	20		–		SPARE
CEILING REC – YOUTH 009 PROJECTOR			200	20	41	42	20			–	SPARE

WITH FEED–THRU LUGS

CONNECTED LOADS:
Aø 9.50 KVA, Bø 9.14 KVA, Cø 7.20 KVA, TOTAL 25.84 KVA
ESTIMATED DEMAND: 20.44 KVA

PANELBOARD LB

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 225A
MAIN C/B: N/A
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
REC – ELEVATOR EQUIP. 029	200			20	1	2	20	63			EF–1
REC & LIGHT – ELEVATOR PIT		300		20	3	4	20		528		CP–1
ELEVATOR CAR POWER			1440	15	5	6	15			960	SANYO UNIT
SHUNT TRIP FOR ELEVATOR	200			20	7	8	20	400			TELEPHONE BACKBOARD
SPARE		–		20	9	10	20		–		SPARE
SPARE			–	20	11	12	20			–	SPARE
SPARE	–			20	13	14	20	–			SPARE
SPARE		–		20	15	16	20		–		SPARE
SPARE			–	20	17	18	20			–	SPARE
SPARE	–			20	19	20	20	–			SPARE
SPARE		–		20	21	22	20		–		SPARE
SPARE			–	20	23	24	20			–	SPARE
SPARE	–			20	25	26	20	–			SPARE
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE

CONNECTED LOADS:
Aø .85 KVA, Bø .83 KVA, Cø 2.4 KVA, TOTAL 4.09 KVA
ESTIMATED DEMAND: 4.09 KVA

PANELBOARD LC

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 400A
MAIN C/B: 400
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
REC – LIBRARY 123, STORAGE 122	800			20	1	2	20	1440			REC – WORK AREA COPY MACHINE
REC – STORAGE 124, LIBRARY 123		800		20	3	4	20		1440		REC – WORK AREA COPY MACHINE
REC – CORRIDOR 1C2, 4'S & 5'S 130, CORRIDOR 1C1			1400	20	5	6	20			1200	REC – SERVER 141
REC – 4'S & 5'S 125	1200			20	7	8	20	1200			REC – SERVER 141
REC – 3'S 127 & 128		1200		20	9	10	20		1000		REC – FOYER 101
REC – OFFICE 133, TOILET 131, TOILET 132			1400	20	11	12	20			1400	REC – FELLOWSHIP HALL 119, STORAGE 120
REC – PASTOR 134	1200			20	13	14	20	1000			REC – FELLOWSHIP HALL 119, STORAGE 120, STORAGE 122
REC – OFFICE 135		1000		20	15	16	20		1000		REC – FELLOWSHIP HALL 119, FOYER 101
REC – CONFERENCE 142, CORRIDOR 1C1			1000	20	17	18	20			200	REC – DRINKING FOUNTAIN CORRIDOR 1C1
REC – OFFICE 143, CORRIDOR 1C3	1200			20	19	20	20	696			EF–3
REC – OFFICE 144, CORRIDOR 1C3		1200		20	21	22	20		–		SPARE
REC – OFFICE 136			1000	20	23	24	20			–	SPARE
REC – OFFICE 137, CORRIDOR 1C3	1200			20	25	26	20	–			SPARE
REC – OFFICE 138		1000		20	27	28	20		–		SPARE
REC – WORK AREA 140			600	20	29	30	20			–	SPARE
REC – WORK AREA 140	800			20	31	32	20	–			SPARE
REC – RECEPTION/OPEN OFFICE 139, WORK AREA 140		800		20	33	34	20		–		SPARE
REC – RECEPTION/OPEN OFFICE 139			600	20	35	36	20			–	SPARE
REC – RECEPTION/OPEN OFFICE 139	600			20	37	38	20	–			SPARE
REC – RECEPTION/OPEN OFFICE 139		1000		20	39	40	20		–		SPARE
REC – RECEPTION/OPEN OFFICE 139, VESTIBULE			1200	20	41	42	20			–	SPARE

WITH FEED–THRU LUGS

CONNECTED LOADS:
Aø 11.34 KVA, Bø 10.44 KVA, Cø 10.0 KVA, TOTAL 31.78 KVA
ESTIMATED DEMAND: 23.78 KVA

PANELBOARD LD

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 400A
MAIN C/B: N/A
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN	500			20	1	2	50	4160			RANGE
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN		1500		20	3	4			4160		
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN			1500	20	5	6	50			4160	RANGE
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN	1000			20	7	8		4160			
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN		1500		20	9	10	20		1440		REFRIGERATOR
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN			1000	20	11	12	20			1440	FREEZER
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN	1000			20	13	14	20	1440			REFRIGERATOR
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN		1500		20	15	16	20		1500		MICROWAVE
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN			1500	20	17	18	20			1440	RANGE HOODS
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN	1500			20	19	20	20	1656			GARBAGE DISPOSAL
LIGHTS – FELLOWSHIP HALL 119, TUNGSTON HALOGEN		1000		20	21	22	20		600		REC – KITCHEN 121
LIGHTING CONTACTOR LC4			100	20	23	24	20			400	REC – KITCHEN 121 ISLAND
SPARE	–			20	25	26	20	400			REC – KITCHEN 121
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE

CONNECTED LOADS:
Aø 15.82 KVA, Bø 13.20 KVA, Cø 11.54 KVA, TOTAL 40.56 KVA
ESTIMATED DEMAND: 40.56 KVA

PANELBOARD LE

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 400A
MAIN C/B: 400
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
REC – MOTHER'S ROOM 104	800			20	1	2	80	6415			BAPTISTRY POOL
REC – NURSERY 106		1400		20	3	4			6415		
REC – CRIB 108			800	20	5	6	20			300	LIGHTING CONTACTORS LC1, LC2, LC3
REC – NURSERY 106	400			20	7	8	20	1500			LIGHTS – FOYER 101
REC – TODDLERS 109		1400		20	9	10	20		1000		LIGHTS – FOYER 101
REC – 2'S 110			1000	20	11	12	20			1000	LIGHTS – FOYER 101
REC – 2'S 112, CORRIDOR 1C4	1200			20	13	14	20	1500			LIGHTS – FOYER 101
REC – CHOIR/PRAYER ROOM 114, STORAGE 115, CORRIDOR		1200		20	15	16	20		1000		LIGHTS – FOYER 101
REC – MUSIC 113			800	20	17	18	20			1000	LIGHTS – FOYER 101
REC – WORSHIP 117, CORRIDOR 1C4 FOYER 101	1000			20	19	20	20	1000			LIGHTS – FOYER 101
REC – WORSHIP 117, FOYER 118		1200		20	21	22	20		1000		LIGHTS – FOYER 101
REC – STORAGE 116, CORRIDOR, WORSHIP 117			800	20	23	24	20			1500	LIGHTS – FOYER 101
REC – DRINKING FOUNTAIN CORRIDOR 1C4	200			20	25	26	20	1500			LIGHTS – FOYER 101
REC – WORSHIP 117 SOUND BOOTH		400		20	27	28	20		1350		LIGHTS – FOYER 101
REC – WORSHIP 117			200	20	29	30	20			1000	LIGHTS – FOYER 101
SPARE	–			20	31	32	20	1250			LIGHTS – FOYER 101
REC – WORSHIP 117		400		20	33	34	20		1200		REC – JANITOR 103, TOILET 102, CORRIDOR 1C4, VESTIBULE
SPARE			–	20	35	36	20			600	REC – TOILET 105
SPARE	–			20	37	38	20*	1200			FACP
CP–2		528		20	39	40	20		100		DOOR HOLD OPENS
EF–2			696	20	41	42	20			100	FIRE/SMOKE DAMPERS

* PROVIDE W/ LOCK–ON DEVICE.
W/ FEED THRU LUGS.

CONNECTED LOADS:
Aø 17.97 KVA, Bø 18.59 KVA, Cø 9.80 KVA, TOTAL 46.36 KVA
ESTIMATED DEMAND: 44.16 KVA

PANELBOARD LF

VOLTS: 120/208, 3ø, 4W
MOUNTING: SURFACE

BUS MAINS: 400A
MAIN C/B: N/A
C/B RATING: 10,000 AIC

DESCRIPTION	CONNECTED LOAD (VA) Aø	Bø	Cø	CKT. BKR.	NO.	NO.	CKT. BKR.	CONNECTED LOAD (VA) Aø	Bø	Cø	DESCRIPTION
SPARE	–			20	1	2	20	–			SPARE
SPARE		–		20	3	4	20		–		SPARE
SPARE			–	20	5	6	20			–	SPARE
SPARE	–			20	7	8	20	–			SPARE
SPARE		–		20	9	10	20		–		SPARE
SPARE			–	20	11	12	20			–	SPARE
SPARE	–			20	13	14	20	–			SPARE
SPARE		–		20	15	16	20		–		SPARE
SPARE			–	20	17	18	20			–	SPARE
SPARE	–			20	19	20	20	–			SPARE
SPARE		–		20	21	22	20		–		SPARE
SPARE			–	20	23	24	20			–	SPARE
SPARE	–			20	25	26	20	–			SPARE
SPARE		–		20	27	28	20		–		SPARE
SPARE			–	20	29	30	20			–	SPARE
SPARE	–			20	31	32	20	–			SPARE
SPARE		–		20	33	34	20		–		SPARE
SPARE			–	20	35	36	20			–	SPARE
SPARE	–			20	37	38	20	–			SPARE
SPARE		–		20	39	40	20		–		SPARE
SPARE			–	20	41	42	20			–	SPARE
PANEL LH	5164			100	37	38	175	15000			PANEL LG **
		5164			39	40			12500		
			5164		41	42				12500	

* PROVIDE W/ LOCK–ON DEVICE.
** PROVIDE 175A SUBFEED BREAKER FOR PANELBOARD LG.

CONNECTED LOADS:
Aø 20.16 KVA, Bø 17.66 KVA, Cø 17.66 KVA, TOTAL 55.48 KVA
ESTIMATED DEMAND: 55.48 KVA

Gould Evans Associates, LC

BUCHER, WILLIS & RATLIFF CORPORATION
609 WEST NORTH STREET SALINA, KANSAS 67401 785-827-3603

FIRST COVENANT CHURCH

MARKLEY STREETAND
MAGNOLIA STEEET
SALINA, KS

Project no: 0100-0160
Date: 4-15-2002
Sheet:

PANELBOARD SCHEDULES

E601

100% BID SET

JARRY WILLIAM STARK
LICENSED
1691
4/15/02
KANSAS
PROFESSIONAL ENGINEER

L:\2001286\DWG\01286E9.DWG