DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE

1155 NORTH MAIN STREET
SPRINGVILLE, UTAH.

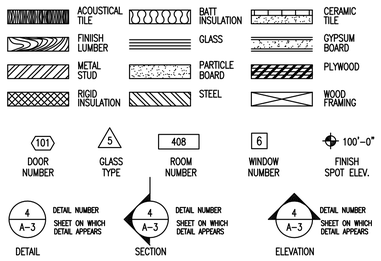
FOR STATE OF UTAH DFCM

DFCM PROJECT NO.: 09197520
DATE: JANUARY 15, 2010

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. SUBMIT TO ARCHITECT SAMPLES OF ALL PROPOSED FINISHES FOR APPROVAL PRIOR TO COMMENCING WORK.
3. COORDINATE USE OF PREMISES AND SCHEDULING OF WORK UNDER THE DIRECTION OF ARCHITECT AND OWNER'S REPRESENTATIVE.
4. ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE LATEST FEDERAL, STATE AND LOCAL CODES, LAWS AND ORDINANCES, INCLUDING COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT.
5. DIMENSIONS ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE.
6. THE METAL BUILDING WAS DESIGNED AROUND:
   "CO BUILDING SYSTEMS INC"
   320 WEST 100 NORTH, EPHRAIM, UTAH 84642
   TERRY BRADLEY: 435 283-4040
   COBUILDINGS.NET
7. REFER TO GEOTECHNICAL REPORT FOR SOILS REQUIREMENTS.

SYMBOL LEGEND



OWNER

STATE OF UTAH, DFCM
4110 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
CONTACT: BOB ANDERSON
PHONE: (801) 652-6754

CONSULTANTS

STRUCTURAL ENGINEERS:
SHEN ENGINEERS, INC.
3335 SOUTH 900 EAST SUITE 250
SALT LAKE CITY, UTAH 84106
ATTN. Henry Shen
PH: 801-466-2625

ELECTRICAL ENGINEERS:
KEN GARNER ENGINEERING, INC
102 WEST 500 SOUTH SUITE 225
SALT LAKE CITY, UTAH 84101
CONTACT: PARIS LEALCHEUR
PHONE: 801 328-8800

THALMANN ARCHITECT
2 PEPPERWOOD POINTE
SANDY, UTAH 84092
OFFICE: 801-572-1997
FAX: 801-572-9103
CELL: 801-647-8043

REVISIONS
NO. DATE DESCRIPTION
1 3/19/10 CODE REVIEW

DRAWING INDEX

ADDITIVE ALTERNATES

ALTERNATE NO. 1: PROVIDE FILL AND FINAL GRADING AROUND METAL BUILDING.

ALTERNATE NO. 2: PROVIDE 3/4" OSB 8' HIGH WOOD PANELING AROUND INTERIOR WALLS OF BUILDING.

(1)

STATE FIRE MARSHAL OFFICE NOTES

5272 SOUTH COLLEGE DRIVE, SUITE 302
MURRAY, UTAH 84123-2611
CONTACT: GEE
PHONE: (801) 284-6350

1. OCCUPANCY OF THIS PROJECT IS PROHIBITED UNTIL A FINAL INSPECTION IS CONDUCTED BY THE STATE FIRE MARSHALS OFFICE. A MINIMUM THREE DAY NOTICE SHALL BE GIVEN FOR THIS INSPECTION.
2. PLEASE BE CERTAIN THAT ALL PRECAUTIONS ARE TAKEN DURING CONSTRUCTION TO MAINTAIN FIRE PROTECTION AND PROTECT THE CONSTRUCTION CREW.

CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006		
International Fire Code	2006	ADA Accessibility Guidelines	2003
International Energy Conservation Code	2006		

A. Occupancy and Group: S-1

Change in Use: Yes ____ No X Mixed Occupancy: Yes ____ No X
Special Use and Occupancy (e.g. High Rise, Covered Mall): N/A

B. Seismic Design Category: D2 Design Wind Speed: 90 mph

C. Type of Construction (circle one):

I/A I/B II/A II/B III/A III/B IV/HT V/A (V/B)

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):
North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: NO Nonseparated Uses: N/A

F. Sprinklers:
Required: NO Provided: ____ Type of Sprinkler System: ____

G. Number of Stories: 1 Building Height: 15'

H. Actual Area per Floor (square feet): 2,400 SF

I: Tabular Area: N/A

J: Area Modifications:

a) $A_a = A_t + \left[\frac{A_t\, I_f}{100}\right] + \left[\frac{A_t\, I_s}{100}\right]$ $\qquad I_f = 100\left[\frac{F}{P} - 0.25\right]\frac{W}{30}$

b) Sum of the Ratio Calculations for Mixed Occupancies:

$$\frac{\text{Actual Area}}{\text{Allowable Area}} \leq 1$$

c) Total Allowable Area for:
1) One Story: ____
2) Two Story: $A_a(2)$____
3) Three Story: $A_a(3)$____

d) Unlimited Area Building: Yes ____ No ____ Code Section: ____

K. Fire Resistance Rating Requirements for Building Elements (hours).

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	0		Floors - Ceiling Floors	0	
Interior Bearing Walls	0		Roofs - Ceiling Roofs	0	
Exterior Non-Bearing Walls	0		Exterior Doors and Windows	0	
Structural Frame	0		Shaft Enclosures	N/A	
Partitions - Permanent	0		Fire Walls	N/A	
Fire Barriers	N/A		Fire Partitions	N/A	
			Smoke Partitions	N/A	

L. Design Occupant Load: 8 (2400/300 = 8)
Exit Width Required: 1.6" Exit Width Provided: 72"

M. Minimum Number of Required Plumbing Facilities:
(NOTE: BUILDING IS 490 FEET FROM EXISTING TOILET FACILITIES)
a) Water Closets - Required (m) 0 (f) 0 Provided (m) 0 (f) 0
b) Lavatories - Required (m) 0 (f) 0 Provided (m) 0 (f) 0
c) Bath Tubs or Showers: N/A
d) Drinking Fountains: 0 Service Sinks: 0

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

Main Street

Scale : 1" = 40'

40 0 40 80

Building
Gravel Road
Asphalt
Existing Fire Hydrant
Raceway Cover
Treatment Building
Storage Building
STORAGE BUILDING
Shed
Gate
Concrete
Approx. Wetland Limits
Wetlands
Proposed Gravel Road
122.1'
140.0'
46.3'
64.6'
49.8'
118.4'
245.6'
81.7'

Legend

- Manhole
- WV Water Valve
- FH Fire Hydrant
- GM Gas Meter
- PP Power Pole
- PM Power Meter
- Power Pole w/Guy
- Fence
- ICB Irrigation Control Box
- Hose Bib
- Deciduous Tree
- Coniferous Tree
- Bore Hole
- Proposed Asphalt
- Concrete
- Existing Building
- Proposed Building
- Existing Asphalt
- Boundary Line

REV	DATE	DESCRIPTION
	22 Feb, 2010	Additional topography

Designed by: ---
Drafted by: ANA
Client Name:
GSH Consultants

10-12

GREAT BASIN ENGINEERING - SOUTH
CONSULTING ENGINEERS and LAND SURVEYORS
2010 North Redwood Road, P.O. Box 16747
Salt Lake City, Utah 84116
Salt Lake City (801)521-8529 Ogden (801)394-7288 Fax (801)521-9551

Overall Site Plan

Springville Fish Hatchery

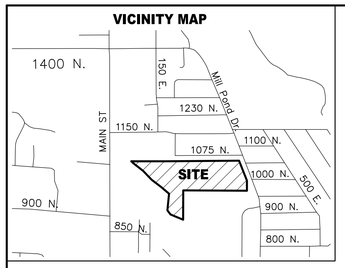
1000 N Main St
Springville, UT 84663
(801) 489-4421

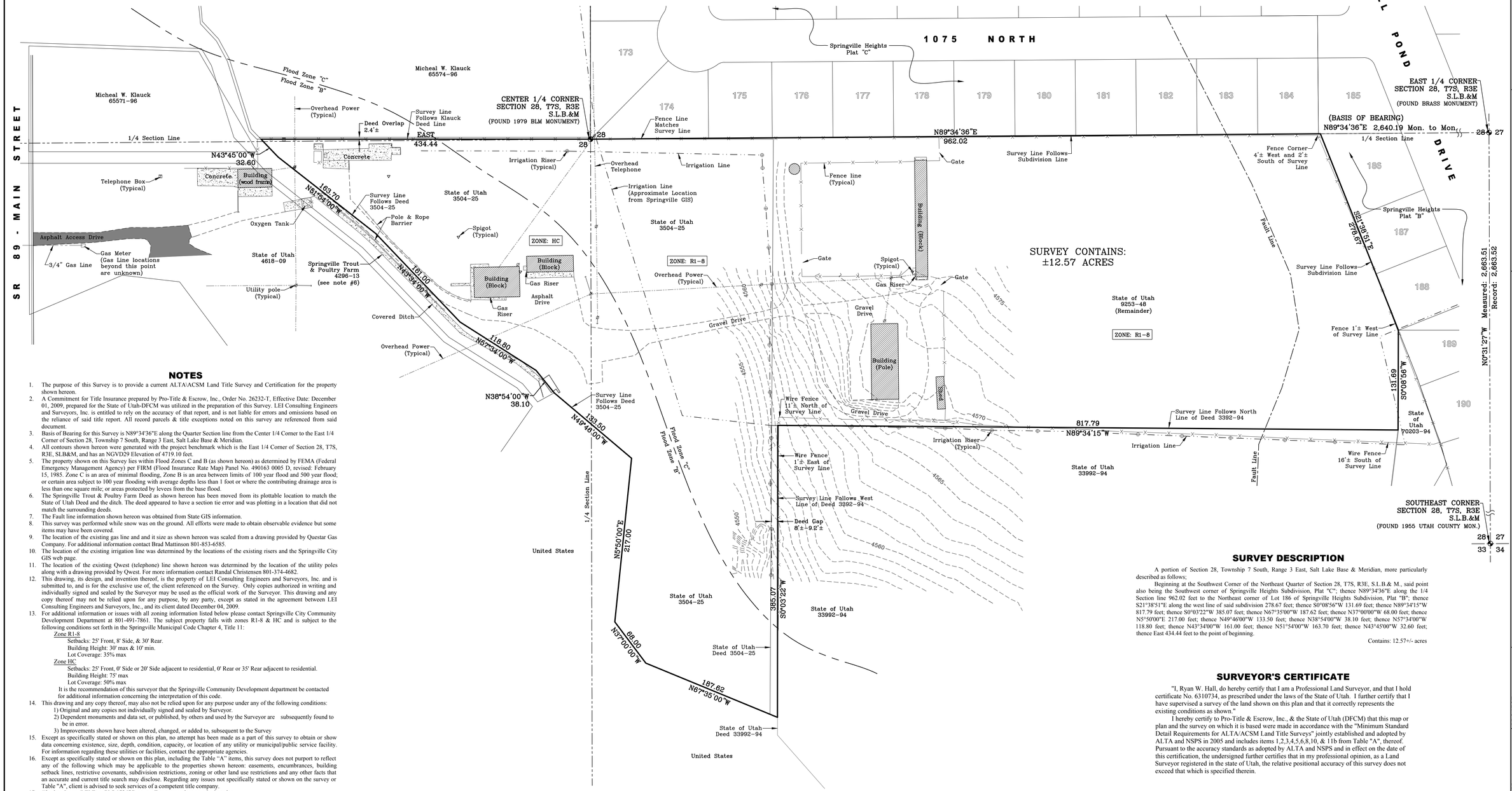
10 Feb, 2009

SHEET NO.
1
of 1

ALTA/ACSM LAND TITLE SURVEY

LOCATION: SECTION 28, T7S, R3E, SLB&M





NOTES

1. The purpose of this Survey is to provide a current ALTA\ACSM Land Title Survey and Certification for the property shown hereon.
2. A Commitment for Title Insurance prepared by Pro-Title & Escrow, Inc., Order No. 26232-T, Effective Date: December 01, 2009, prepared for the State of Utah-DFCM was utilized in the preparation of this Survey. LEI Consulting Engineers and Surveyors, Inc. is entitled to rely on the accuracy of that report, and is not liable for errors and omissions based on the reliance of said title report. All record parcels & title exceptions noted on this survey are referenced from said document.
3. Basis of Bearing for this Survey is N89°34'36"E along the Quarter Section line from the Center 1/4 Corner to the East 1/4 Corner of Section 28, Township 7 South, Range 3 East, Salt Lake Base & Meridian.
4. All contours shown hereon were generated with the project benchmark which is the East 1/4 Corner of Section 28, T7S, R3E, SLB&M, and has an NGVD29 Elevation of 4719.10 feet.
5. The property shown on this Survey lies within Flood Zones C and B (as shown hereon) as determined by FEMA (Federal Emergency Management Agency) per FIRM (Flood Insurance Rate Map) Panel No. 490163 0005 D, revised: February 15, 1985. Zone C is an area of minimal flooding, Zone B is an area between limits of 100 year flood and 500 year flood; or certain area subject to 100 year flooding with average depths less than 1 foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood.
6. The Springville Trout & Poultry Farm Deed as shown hereon has been moved from its plottable location to match the State of Utah Deed and the ditch. The deed appeared to have a section tie error and was plotting in a location that did not match the surrounding deeds.
7. The Fault line information shown hereon was obtained from State GIS information.
8. This survey was performed while snow was on the ground. All efforts were made to obtain observable evidence but some items may have been covered.
9. The location of the existing gas line and and it size as shown hereon was scaled from a drawing provided by Questar Gas Company. For additional information contact Brad Mattinson 801-853-6585.
10. The location of the existing irrigation line was determined by the locations of the existing risers and the Springville City GIS web page.
11. The location of the existing Qwest (telephone) line shown hereon was determined by the location of the utility poles along with a drawing provided by Qwest. For more information contact Randal Christensen 801-374-4682.
12. This drawing, its design, and invention thereof, is the property of LEI Consulting Engineers and Surveyors, Inc. and is submitted to, and is for the exclusive use of, the client referenced on the Survey. Only copies authorized in writing and individually signed and sealed by the Surveyor may be used as the official work of the Surveyor. This drawing and any copy thereof may not be relied upon for any purpose, by any party, except as stated in the agreement between LEI Consulting Engineers and Surveyors, Inc., and its client dated December 04, 2009.
13. For additional information or issues with all zoning information listed below please contact Springville City Community Development Department at 801-491-7861. The subject property falls with zones R1-8 & HC and is subject to the following conditions set forth in the Springville Municipal Code Chapter 4, Title 11:
    - Zone R1-8
        - Setbacks: 25' Front, 8' Side, & 30' Rear.
        - Building Height: 30' max & 10' min.
        - Lot Coverage: 35% max
    - Zone HC
        - Setbacks: 25' Front, 0' Side or 20' Side adjacent to residential, 0' Rear or 35' Rear adjacent to residential.
        - Building Height: 75' max
        - Lot Coverage: 50% max

    It is the recommendation of this surveyor that the Springville Community Development department be contacted for additional information concerning the interpretation of this code.
14. This drawing and any copy thereof, may also not be relied upon for any purpose under any of the following conditions:
    1) Original and any copies not individually signed and sealed by Surveyor.
    2) Dependent monuments and data set, or published, by others and used by the Surveyor are subsequently found to be in error.
    3) Improvements shown have been altered, changed, or added to, subsequent to the Survey
15. Except as specifically stated or shown on this plan, no attempt has been made as a part of this survey to obtain or show data concerning existence, size, depth, condition, capacity, or location of any utility or municipal/public service facility. For information regarding these utilities or facilities, contact the appropriate agencies.
16. Except as specifically stated or shown on this plan, including the Table "A" items, this survey does not purport to reflect any of the following which may be applicable to the properties shown hereon: easements, encumbrances, building setback lines, restrictive covenants, subdivision restrictions, zoning or other land use restrictions and any other facts that an accurate and current title search may disclose. Regarding any issues not specifically stated or shown on the survey or Table "A", client is advised to seek services of a competent title company.
17. #5 rebar & cap (LEI Eng. PLS 172675) set at all corners unless noted otherwise.

SCHEDULE B - SECTION 2 EXCEPTIONS

1-16. Not plottable

SURVEY DESCRIPTION

A portion of Section 28, Township 7 South, Range 3 East, Salt Lake Base & Meridian, more particularly described as follows;

Beginning at the Southwest Corner of the Northeast Quarter of Section 28, T7S, R3E, S.L.B.& M., said point also being the Southwest corner of Springville Heights Subdivision, Plat "C"; thence N89°34'36"E along the 1/4 Section line 962.02 feet to the Northeast corner of Lot 186 of Springville Heights Subdivision, Plat "B"; thence S21°38'51"E along the west line of said subdivision 278.67 feet; thence S0°08'56"W 131.69 feet; thence N89°34'15"W 817.79 feet; thence S0°03'22"W 385.07 feet; thence N67°35'00"W 187.62 feet; thence N37°00'00"W 68.00 feet; thence N5°50'00"E 217.00 feet; thence N49°46'00"W 133.50 feet; thence N38°54'00"W 38.10 feet; thence N57°34'00"W 118.80 feet; thence N43°34'00"W 161.00 feet; thence N51°54'00"W 163.70 feet; thence N43°45'00"W 32.60 feet; thence East 434.44 feet to the point of beginning.

Contains: 12.57+/- acres

SURVEYOR'S CERTIFICATE

"I, Ryan W. Hall, do hereby certify that I am a Professional Land Surveyor, and that I hold certificate No. 6310734, as prescribed under the laws of the State of Utah. I further certify that I have supervised a survey of the land shown on this plan and that it correctly represents the existing conditions as shown."

I hereby certify to Pro-Title & Escrow, Inc., & the State of Utah (DFCM) that this map or plan and the survey on which it is based were made in accordance with the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys" jointly established and adopted by ALTA and NSPS in 2005 and includes items 1,2,3,4,5,6,8,10, & 11b from Table "A", thereof. Pursuant to the accuracy standards as adopted by ALTA and NSPS and in effect on the date of this certification, the undersigned further certifies that in my professional opinion, as a Land Surveyor registered in the state of Utah, the relative positional accuracy of this survey does not exceed that which is specified therein.

Signature

Date

SCALE: 1" = 60'
60 30 0 60

NORTH

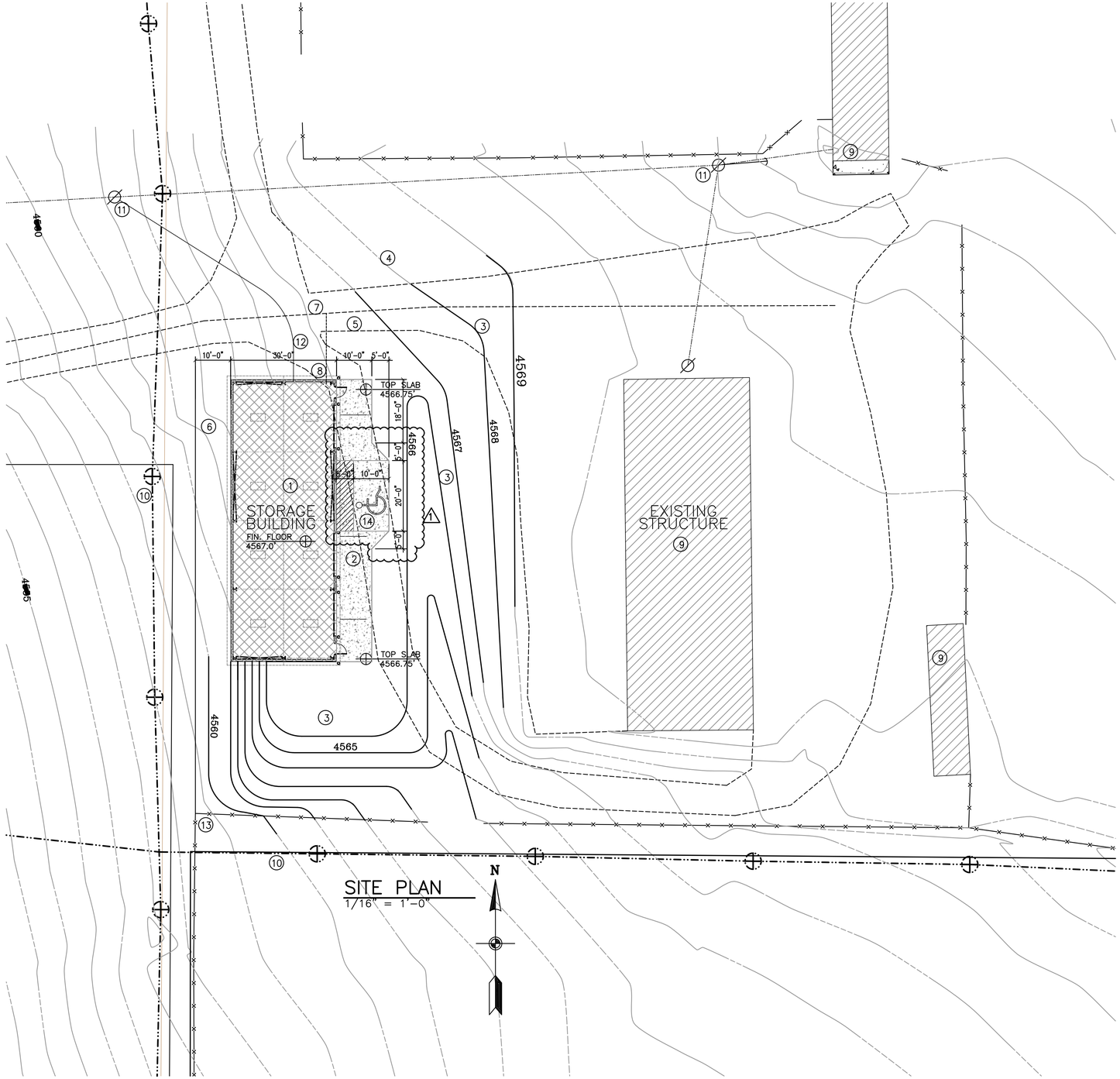
REVISION	DATE	BY
.	.	.

3302 No. Main St.
Spanish Fork, UT 84660
801-798-0555
www.lei-eng.com
Engineers + Surveyors

ALTA/ACSM LAND TITLE SURVEY
SECTION 28, T.7S., R.3E., S.L.B.&M. - SPINGVILLE, UTAH
PROPERTY OF: STATE OF UTAH
PREPARED FOR: STATE OF UTAH - DFCM

DESIGNER: RWH	PROJECT: 09-0711	
DATE: 09/17/2009	SCALE: 1" = 60'	
DRAWN BY: RWH		

SHEET 1



GENERAL NOTES

A. ALL DIMENSIONS ARE TO FINISHED SURFACE OF WALL.

B. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATIONS PLANS AND DETAILS.

C. REFER TO ELECTRICAL DRAWINGS FOR POWER AND LIGHTING PLANS AND DETAILS.

D. THE METAL BUILDING WAS DESIGNED AROUND:
"CO BUILDING SYSTEMS INC"
320 WEST 100 NORTH, EPHRAIM, UTAH 84642
TERRY BRADLEY: 435 283-4040
COBUILDINGS.NET

E. REFER TO GEOTECHNICAL REPORT FOR SOILS REQUIREMENTS.

KEYED NOTES

1. PRE FABRICATED METAL BUILDING SYSTEM.
2. 6" CONCRETE SLAB APRON SLOPE AWAY FROM BUILDING 1/4" PER FOOT.
3. ALTERNATE 1: NEW CONTOURS. PROVIDE FILL AND FINAL GRADING AROUND METAL BUILDING.
4. EXISTING CONTOURS.
5. EXISTING GRAVEL DRIVEWAY
6. REMOVE AND DISPOSE OF EXISTING TREES WITHIN 10' OF BUILDING.
7. EXISTING WATER LINE.
8. HOSE BIB FREEZELESS YARD HYDRANT WITH STOP AND WASTE (WOODFORD MODEL Y2 OR APPROVED EQUAL). CONNECT 1" PEX POLY SERVICE LINE TO EXISTING WATER LINE IN CENTER OF DRIVEWAY ON NORTH SIDE OF BUILDING.
9. EXISTING STRUCTURES.
10. EXISTING UNDER GROUND IRRIGATION LINE. VERIFY EXACT LOCATION BEFORE START OF EXCAVATION.
11. EXISTING POWER POLE.
12. UNDER GROUND POWER SERVICE LINE IN CONDUIT. REFER TO ELECTRICAL DRAWINGS.
13. EXISTING FENCE LINE.
14. ACCESSIBLE PARKING STALL. STRIP LOADING ZONE AND PROVIDE ACCESSIBLE PARKING SYMBOL. (1)

Seal

LICENSED ARCHITECT
01/15/2010
129331
FRED L.THALMANN
STATE OF UTAH

Revisions:

No.	Date	Description
1	3/19/10	CODE REVIEW

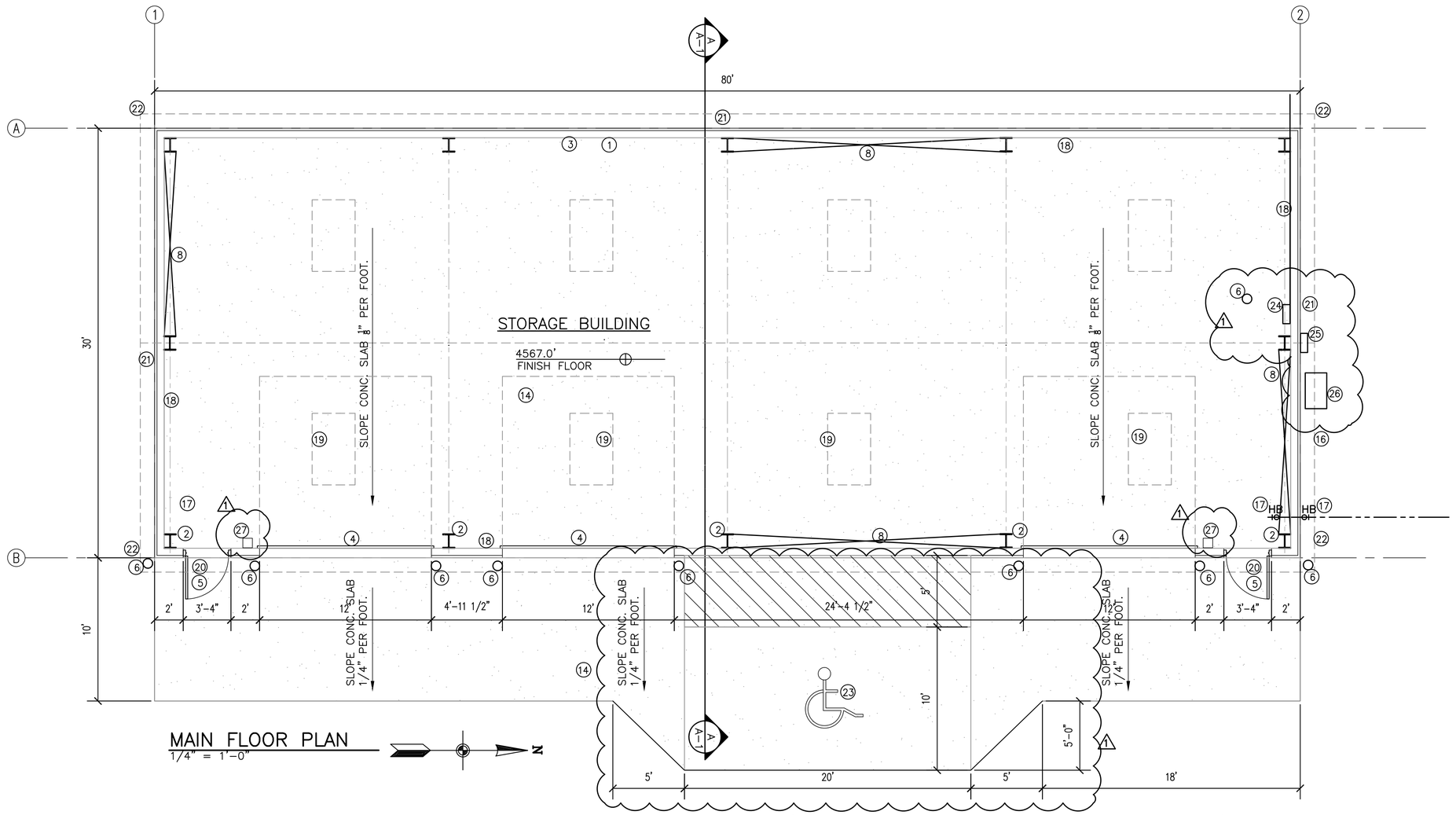
THALMANN ARCHITECT
2 PEPPERWOOD POINTE
SANDY, UTAH 84092
OFFICE: (801) 572-1997
CELL: (801) 647-8043
FAX: (801) 572-9103

DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

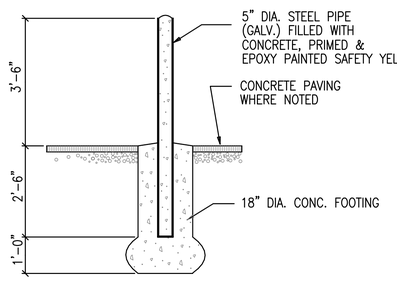
Date: 1/15/2010
Drawn: FLT
Checked: FLT

Drawing Description
SITE PLAN/ GRADING PLAN

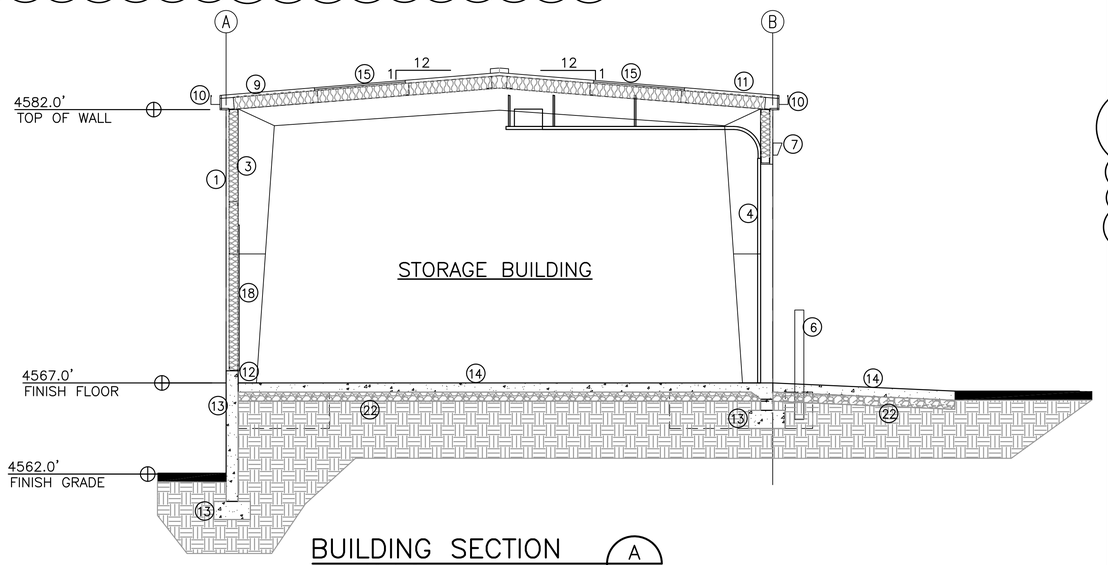
Drawing No.
A-0



MAIN FLOOR PLAN
1/4" = 1'-0"



BOLLARD DETAIL
SCALE: 1/2"=1'-0"
1 / A-1



BUILDING SECTION
SCALE: 1/4"=1'-0"
A / A-1

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FINISHED SURFACE OF WALL.

B. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATIONS PLANS AND DETAILS.

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E. REFER TO GEOTECHNICAL REPORT FOR SOILS REQUIREMENTS.

KEYED NOTES

1. PRE FABRICATED METAL BUILDING SYSTEM.
2. STRUCTURAL STEEL FRAME BY BUILDING SUPPLIER.
3. R-19 BATT INSULATED WITH VINYL VAPOR BARRIER, METAL WALL SYSTEM, BY BUILDING SUPPLIER.
4. 12' X12' INSULATED R-16 METAL SECTIONAL DOOR WITH MOTORIZED OPENER.
5. 3' X 7' HOLLOW METAL FRAME & INSULATED DOOR BY BUILDING SUPPLIER.
6. STEEL PIPE BOLLARD REFER TO DETAIL 1/A-1
7. EXTERIOR WALL-PACK LIGHT OVER DOOR.
8. CROSS BRACING BY BUILDING SUPPLIER.
9. PRE-FINISHED METAL ROOF SYSTEM WITH R-25 BATT INSULATION AND VINYL VAPOR BARRIER. BY BUILDING SUPPLIER.
10. PRE-FINISHED GUTTER AND DOWN SPOUTS BY BUILDING SUPPLIER.
11. PRE-FINISHED SNOW GUARD SYSTEM COLOR TO MATCH ROOF.
12. 8" CONCRETE STEM WALL ABOVE FINISHED FLOOR TYPICAL.
13. CONCRETE FOOTING AND FOUNDATION WALLS WITH PLASTER FINISH WHERE EXPOSED.
14. 6" CONCRETE SLAB WITH STEEL REINFORCING.
15. 3'X5' TRANSLUCENT SKYLIGHT PANEL BY BUILDING SUPPLIER.
16. LINE OF ROOM EAVE ABOVE.
17. HOSE BIB FREEZELESS YARD HYDRANT WITH STOP AND WASTE (WOODFORD MODEL Y2 OR APPROVED EQUAL). CONNECT 1" PEX POLY SERVICE LINE TO EXISTING WATER LINE IN CENTER OF DRIVEWAY ON NORTH SIDE OF BUILDING.
18. ALTERNATE 2: 3/4" OSB WOOD PANEL 8'-0" HIGH INTERIOR FINISH AROUND INTERIOR WALLS OF BUILDING.
19. LINE OF SKY LIGHT ABOVE.
20. DOOR HARDWARE:

1.5	PAIR	BUTTS	BB5000 NRP 4.5X4.5	626 BOMMER
1	EACH	STOREROOM LOCK	ND96PD	626 SCHLAGE
1	EACH	CLOSER	4041 CUSH	LCN
1	EACH	WEATHERSTRIP	351X305	PEMKO
1	EACH	SWEEP	315DN	PEMKO
1	EACH	THRESHOLD	171A	626 PEMKO

21. STEP FOOTING & FOUNDATION TO MEET SLOPE OF GRADE.
22. REFER TO GEOTECHNICAL REPORT FOR SOILS INFORMATION AND PLACEMENT.
23. ACCESSIBLE PARKING STALL. STRIP LOADING ZONE AND PROVIDE ACCESSIBLE PARKING SYMBOL.
24. ELECTRICAL PANEL REFER TO ELECTRICAL DRAWINGS.
25. ELECTRICAL CT PANEL REFER TO ELECTRICAL DRAWINGS.
26. ELECTRICAL UTILITY TRANSFORMER REFER TO ELECTRICAL DRAWINGS.
27. PROVIDE FIRE EXTINGUISHER 10 LB ABC WITH CABINET WALL MOUNTED.

Seal
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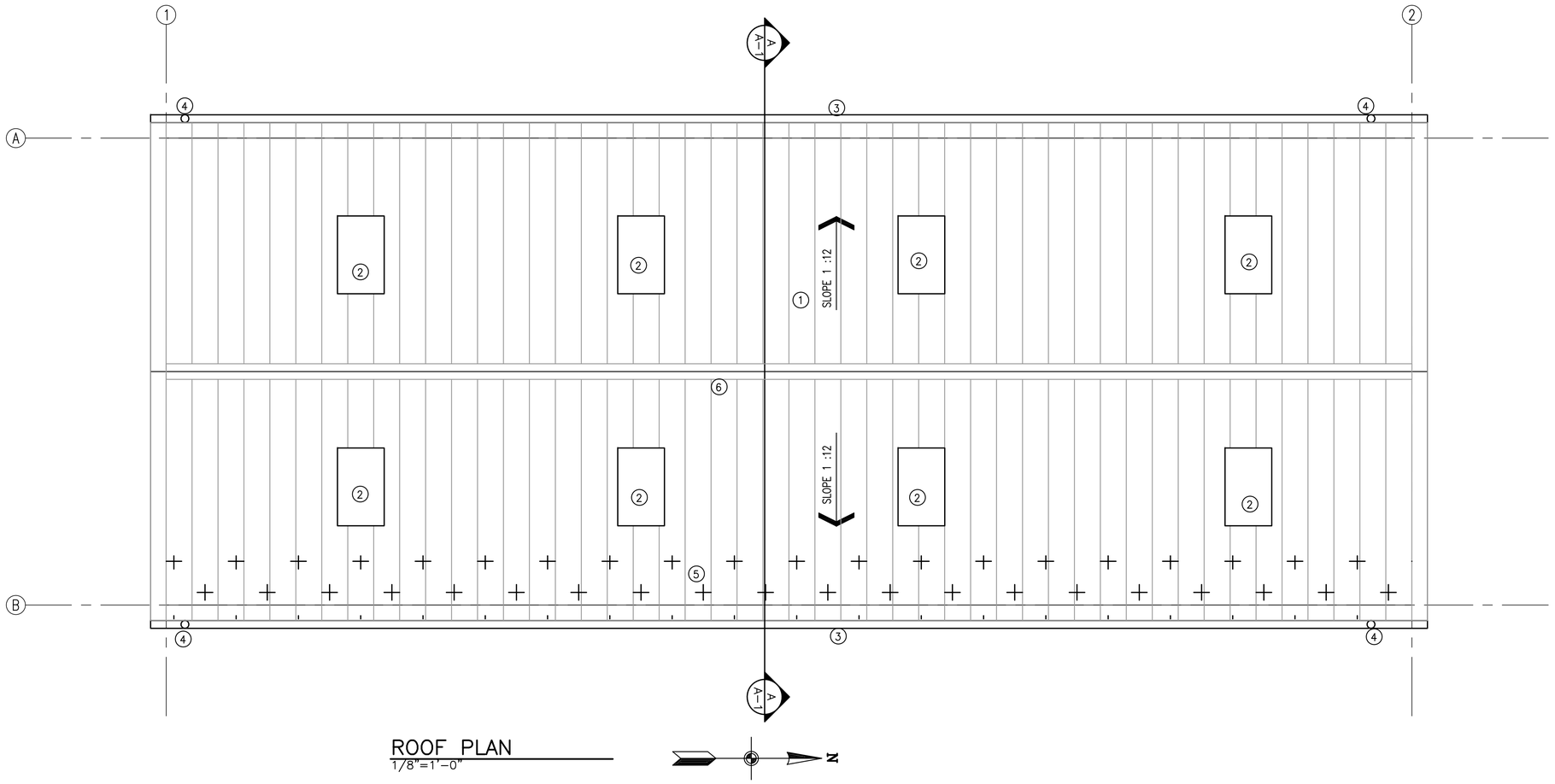
1155 North Main State Street, Springville Utah

Date: 1/15/2010
Drawn: FLT
Checked: FLT

Drawing Description
FLOOR PLAN & BUILDING SECTION

Drawing No.
A-1



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

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FINISHED SURFACE OF WALL.

KEYED NOTES

1. METAL ROOF SYSTEM MECHANICALLY FASTENED, R-25 INSULATION.
2. 3'X5' TRANSLUCENT SKYLIGHT PANEL BY BUILDING SUPPLIER.
3. RAIN GUTTER SYSTEM MATCH COLOR OF WALL. NOTE: LOCATE BELOW SNOW SLIDE ZONE.
4. METAL DOWN SPOUT WITH PRE CAST CONCRETE SPLASH BLOCKS. COLOR TO MATCH WALL
5. SNOW GUARD: USE MFR. RECOMMENDATIONS FOR SPACING. COLOR TO MATCH ROOF. (SNO-GEM OR APPROVED EQUAL)
6. VENTED METAL RIDGE CAP.

Seal

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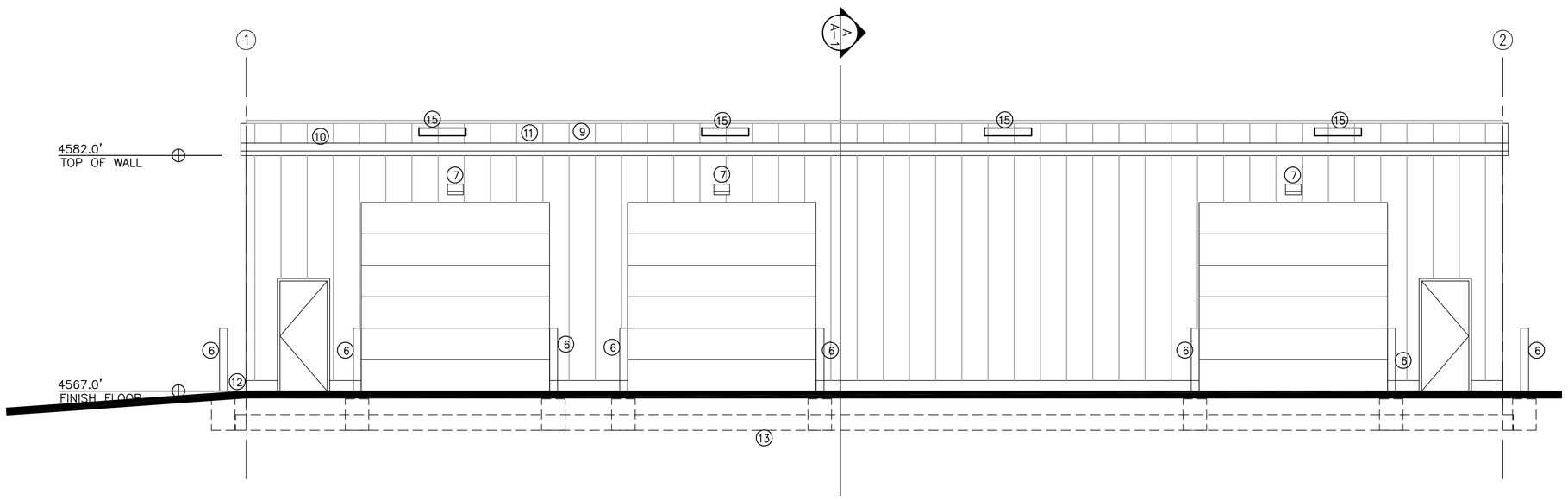
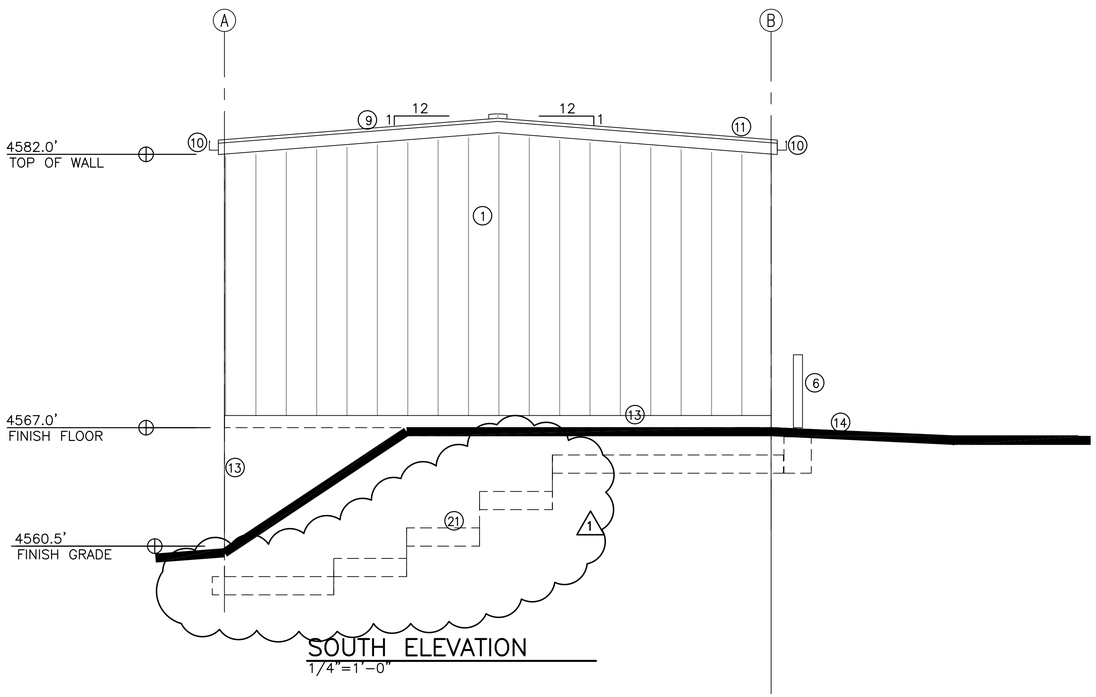
Drawing Description
ROOF PLAN

Drawing No.
A-2



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



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

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FINISHED SURFACE OF WALL.

B. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATIONS PLANS AND DETAILS.

C. REFER TO ELECTRICAL DRAWINGS FOR POWER AND LIGHTING PLANS AND DETAILS.

D. THE METAL BUILDING WAS DESIGNED AROUND:
"CO BUILDING SYSTEMS INC"
320 WEST 100 NORTH, EPHRAIM, UTAH 84642
TERRY BRADLEY: 435 283-4040
COBUILDINGS.NET

KEYED NOTES

1. PRE FABRICATED METAL BUILDING SYSTEM.
2. STRUCTURAL STEEL FRAME BY BUILDING SUPPLIER.
3. R-19 BATT INSULATED WITH VINYL VAPOR BARRIER, METAL WALL SYSTEM, BY BUILDING SUPPLIER.
4. 12' X12' INSULATED R-16 METAL SECTIONAL DOOR WITH MOTORIZED OPENER.
5. 3' X 7' HOLLOW METAL FRAME & INSULATED DOOR BY BUILDING SUPPLIER.
6. STEEL PIPE BOLLARD REFER TO DETAIL 1/A-1
7. EXTERIOR WALL-PACK LIGHT OVER DOOR.
8. CROSS BRACING BY BUILDING SUPPLIER.
9. PRE-FINISHED METAL ROOF SYSTEM WITH R-25 BATT INSULATION AND VINYL VAPOR BARRIER. BY BUILDING SUPPLIER.
10. PRE-FINISHED GUTTER AND DOWN SPOUTS BY BUILDING SUPPLIER.
11. PRE-FINISHED SNOW GUARD SYSTEM COLOR TO MATCH ROOF.
12. 8" CONCRETE STEM WALL ABOVE FINISHED FLOOR TYPICAL.
13. CONCRETE FOOTING AND FOUNDATION WALLS WITH PLASTER FINISH WHERE EXPOSED.
14. 6" CONCRETE SLAB WITH STEEL REINFORCING.
15. 3'X5' TRANSLUCENT SKYLIGHT PANEL BY BUILDING SUPPLIER.
16. LINE OF ROOM EAVE ABOVE.
17. HOSE BIB FREEZELESS YARD HYDRANT WITH STOP AND WASTE (WOODFORD MODEL Y2 OR APPROVED EQUAL). CONNECT 1" PEX POLY SERVICE LINE TO EXISTING WATER LINE IN CENTER OF DRIVEWAY ON NORTH SIDE OF BUILDING.
18. ALTERNATE 2: 3/4" OSB WOOD PANEL 8'-0" HIGH INTERIOR FINISH AROUND INTERIOR WALLS OF BUILDING.
19. LINE OF SKY LIGHT ABOVE.
20. DOOR HARDWARE:

1.5	PAIR	BUTTS	BB5000 NRP 4.5X4.5	626	BOMMER
1	EACH	STOREROOM LOCK	ND96PD	626	SCHLAGE
1	EACH	CLOSER	4041 CUSH		LCN
1	EACH	WEATHERSTRIP	351X305		PEMKO
1	EACH	SWEEP	315DN		PEMKO
1	EACH	THRESHOLD	171A	626	PEMKO

21. STEP FOOTING & FOUNDATION TO MEET SLOPE OF GRADE.

EXTERIOR COLOR SCHEDULE

COLORS ARE PER "CO BUILDING SYSTEMS" STANDARDS.

ROOF COLOR: POLAR WHITE
WALL COLOR: MOCHA TAN
DOOR COLOR: MOCHA TAN
FASCIA, SOFFIT, GUTTER AND DOWN SPOUTS: MOCHA TAN

Seal

FRED L. THALMANN
PROFESSIONAL ENGINEER
01/15/2010
129331
FRED L.THALMANN
STATE OF UTAH

Revisions:

No.	Date	Description
1	4/14/10	CODE REVIEW

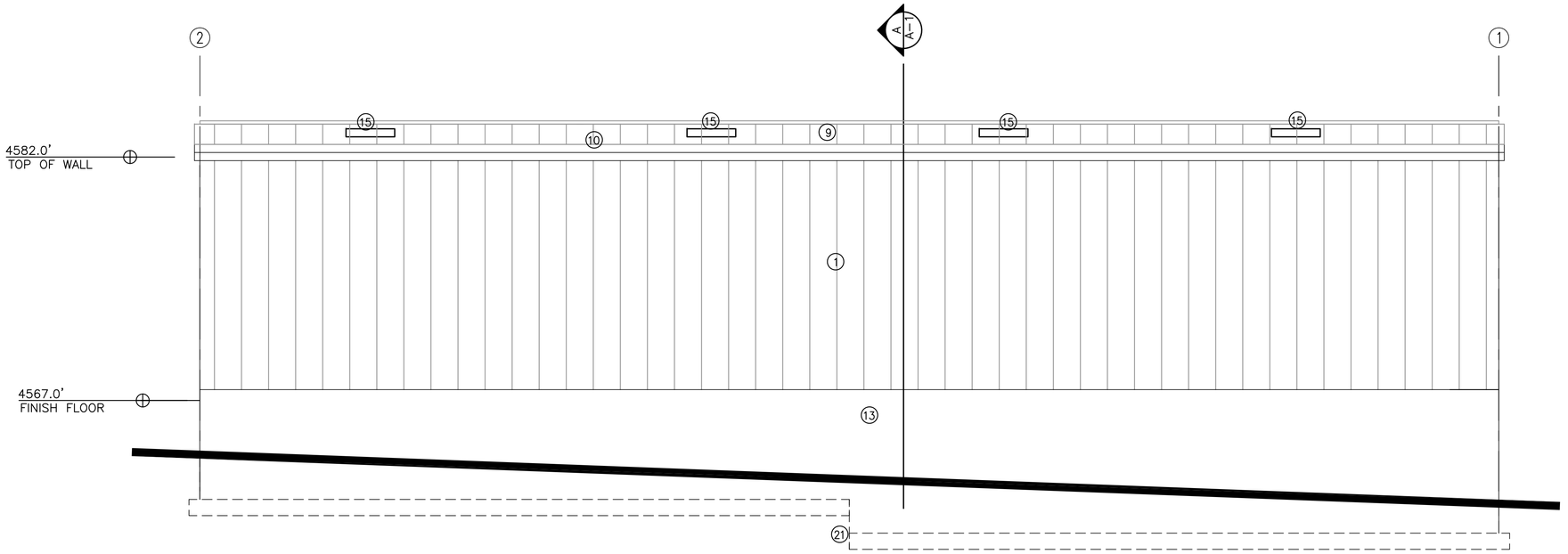
THALMANN ARCHITECT
2 PEPPERWOOD POINTE
SANDY, UTAH 84092
OFFICE: (801) 572-1997
CELL: (801) 647-8043
FAX: (801) 572-9103

DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

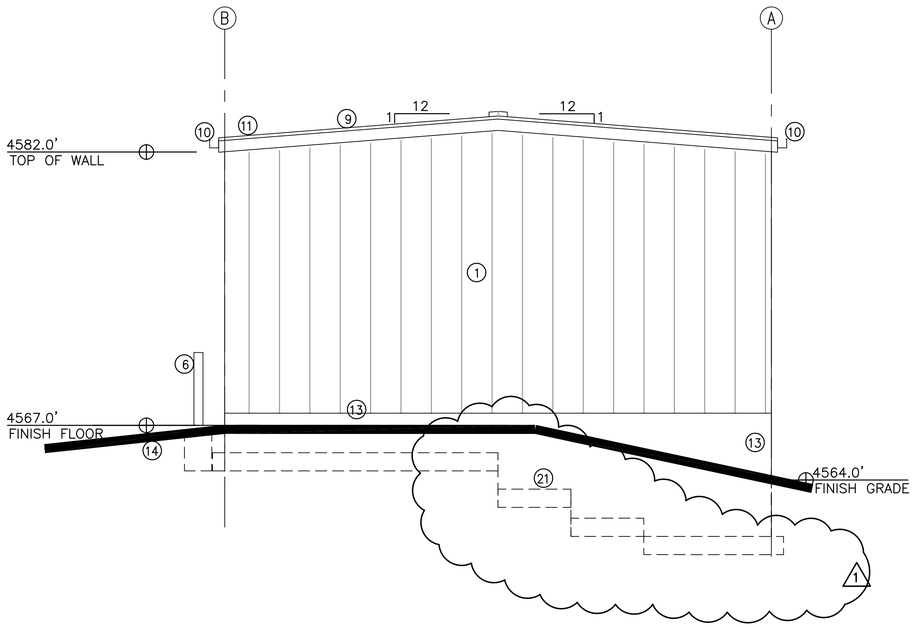
Date: 1/15/2010
Drawn: FLT
Checked: FLT

Drawing Description
EXTERIOR ELEVATIONS

Drawing No.
A-3



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



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

GENERAL NOTES

A. ALL DIMENSIONS ARE TO FINISHED SURFACE OF WALL.

B. REFER TO STRUCTURAL DRAWINGS FOR FOOTING AND FOUNDATIONS PLANS AND DETAILS.

C. REFER TO ELECTRICAL DRAWINGS FOR POWER AND LIGHTING PLANS AND DETAILS.

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Seal

LICENSED PROFESSIONAL ENGINEER
01/15/2010
129331
FRED L.THALMANN
STATE OF UTAH

Revisions:

No.	Date	Description
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DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

Date: 1/15/2010
Drawn: FLT
Checked: FLT

Drawing Description
EXTERIOR ELEVATIONS

Drawing No.
A-4

SPECIAL INSPECTION AND TESTING UNDER THE PROVISIONS OF IBC 1704 AND FOR MISCELLANEOUS AREAS

Indicate required Special inspections for project by checking the appropriate boxes and provide specific instructions as to the inspection requirements and the expectations of the architect, engineer and owner:

FABRICATORS (IBC 1704.2)

☐ Approved Fabricator	Fabricators Name:
☐ Unapproved Fabricator	Fabricators Name:

In-plant inspections

☐ Steel Construction ☐ Welding ☐ Details

STEEL (IBC 1704.3)

Item			Detailed Instructions and Frequencies
X 2 High Strength Bolting(1704.3.3)	☒ Continuous	☐ Periodic	
AISC 360-05 (Table A-1)			
Details (1704.3.2)			
Complete & partial penetration groove welds	☐ Continuous	☐ Periodic	
Multipass fillet welds	☐ Continuous	☐ Periodic	
Single-pass fillet welds > 5/16"	☐ Continuous	☐ Periodic	
Single-pass fillet welds ≤ 5/16"	☐ Continuous	☐ Periodic	
Floor & roof deck welds	☐ Continuous	☐ Periodic	
REINFORCEMENT STEEL	☐ Continuous		
Verification of weldability	☐ Continuous	☐ Periodic	
Shear wall and shear reinforcement	☐ Continuous	☐ Periodic	
Other reinforcement	☐ Continuous	☐ Periodic	
X 2 Steel frame joint details	☒ Continuous	☐ Periodic	

CONCRETE CONSTRUCTION (IBC 1704.4)

Item			Detailed Instructions and Frequencies
Materials (1704.4.1)	☐ Continuous	☐ Periodic	
Steel placement	☐ Continuous	☐ Periodic	
Steel welding	☐ Continuous	☐ Periodic	
1 X 2 Bolts prior & during placement	☐ Continuous	☒ Periodic	INSPECT PRIOR TO PLACEMENT OF CONCRETE.
As per approved design mix	☐ Continuous	☐ Periodic	
Concrete sampling for strength test, slump, air content, and temperature of concrete	☐ Continuous	☐ Periodic	
Concrete & shotcrete placement	☐ Continuous	☐ Periodic	
Curing temperature and techniques	☐ Continuous	☐ Periodic	
Pre-stressed concrete	☐ Continuous	☐ Periodic	
Pre-cast concrete	☐ Continuous	☐ Periodic	
Posttensioned concrete	☐ Continuous	☐ Periodic	
Form work	☐ Continuous	☐ Periodic	

MASONRY CONSTRUCTION (IBC 1704.5)

Item			Detailed Instructions and Frequencies
As masonry construction begins:			
Site prepared mortar	☐ Continuous	☐ Periodic	
Construction of mortar joints	☐ Continuous	☐ Periodic	
Location of reinforcement, connectors, pre-stressing tendons and anchorages	☐ Continuous	☐ Periodic	
Pre-stressing technique	☐ Continuous	☐ Periodic	
Grade and size of pre-stressing tendons and anchorages	☐ Continuous	☐ Periodic	
Inspection program verify:			
Size and location of structural elements	☐ Continuous	☐ Periodic	
Type, size and location of anchors	☐ Continuous	☐ Periodic	
Size, grade and type of reinforcement	☐ Continuous	☐ Periodic	
Welding of reinforcement	☐ Continuous	☐ Periodic	
Cold and hot weather protection	☐ Continuous	☐ Periodic	
Application and measurement of pre-stressing force	☐ Continuous	☐ Periodic	
Prior to grouting verify			
Clean grout space	☐ Continuous	☐ Periodic	
Placement of reinforcement	☐ Continuous	☐ Periodic	
Grout mix	☐ Continuous	☐ Periodic	
Mortar joints	☐ Continuous	☐ Periodic	
Grout placement	☐ Continuous	☐ Periodic	
Grout and mortar specimens and prisms	☐ Continuous	☐ Periodic	
Construction and submittal compliance verification	☐ Continuous	☐ Periodic	
Empirical masonry – Cat. I-III (1708.1.1)	☐ Continuous	☐ Periodic	
Empirical masonry – Cat. IV (1708.1.1)	☐ Continuous	☐ Periodic	
Engineered masonry – Cat. I-III 1708.1.1	☐ Continuous	☐ Periodic	
Engineered masonry – Cat. IV (1708.1.1)	☐ Continuous	☐ Periodic	
Engineering & pre-stressing steel (1708.3)	☐ Continuous	☐ Periodic	
Structural steel (1708.4)	☐ Continuous	☐ Periodic	
Qualification of mechanical & electrical equipment (1708.5)	☐ Continuous	☐ Periodic	
Seismically isolated structures (1708.6)	☐ Continuous	☐ Periodic	
Testing for seismic resistance is	☐ Continuous	☐ Periodic	

WOOD CONSTRUCTION (IBC 1704.6)

Item			Detailed Instructions and Frequencies
Prefabricated elements & assembly	☐ Continuous	☐ Periodic	

SOILS CONSTRUCTION (IBC 1704.7)

Item			Detailed Instructions and Frequencies
Site preparation	☐ Continuous	☐ Periodic	
1 X Structural fill material	☐ Continuous	☒ Periodic	ONE TEST PER LIFT (SEE SOILS REPORT)
X Structural fill lift thickness	☐ Continuous	☒ Periodic	8" LIFT (SEE SOILS REPORT)
X Structural fill soil densities	☐ Continuous	☒ Periodic	95% OF MODIFIED PROCTOR (SEE SOILS REPORT)
Backfill soils materials	☐ Continuous	☐ Periodic	
Backfill soil densities	☐ Continuous	☐ Periodic	

PILE FOUNDATIONS (IBC 1704.8)

Item			Detailed Instructions and Frequencies
Observe driving operation and reporting	☐ Continuous	☐ Periodic	
Verify placement & installation data	☐ Continuous	☐ Periodic	

PIER FOUNDATIONS (IBC 1704.9)

Item			Detailed Instructions and Frequencies
Observe drilling operation and reporting	☐ Continuous	☐ Periodic	
Verify placement & installation data	☐ Continuous	☐ Periodic	

SPRAYED FIRE-RESISTANT MATERIALS (IBC 1704.10)

Item			Detailed Instructions and Frequencies
Structural member surface conditions	☐ Continuous	☐ Periodic	
Material application	☐ Continuous	☐ Periodic	
Material thickness	☐ Continuous	☐ Periodic	
Material density	☐ Continuous	☐ Periodic	
Bonding strength	☐ Continuous	☐ Periodic	

MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1704.11)

Item			Detailed Instructions and Frequencies
Material and installation	☐ Continuous	☐ Periodic	

EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1704.12)

Item			Detailed Instructions and Frequencies
Material and installation	☐ Continuous	☐ Periodic	

ALTERNITIVE CONSTRUCTION METHODS OR MATERIALS (IBC 1704.13)

Item			Detailed Instructions and Frequencies
Material and installation	☐ Continuous	☐ Periodic	

EPOXY (IBC 1704.13)

Item			Detailed Instructions and Frequencies
1 X 2 Material and installation (specify locations)	☐ Continuous	☒ Periodic	INSPECT PRIOR TO INJECTION OF EPOXY.

SMOKE CONTROL (IBC 1704.14)

Item			Detailed Instructions and Frequencies
Material	☐ Continuous	☐ Periodic	

Installation	☐ Continuous	☐ Periodic	

Special inspection for seismic resistance (IBC 1707)

Item			Detailed Instructions and Frequencies
Structural Steel (1707.2)	☐ Continuous	☐ Periodic	
Structural Wood (1707.3)	☐ Continuous	☐ Periodic	
Cold–formed steel framing (1707.4)	☐ Continuous	☐ Periodic	
Pier foundations (1707.5)	☐ Continuous	☐ Periodic	
Storage racks & access floors (1707.6)	☐ Continuous	☐ Periodic	
Architectural components (1707.7)	☐ Continuous	☐ Periodic	
Mechanical & electrical items (1707.8)	☐ Continuous	☐ Periodic	
Designated systems verification (1707.9)	☐ Continuous	☐ Periodic	
Seismic isolation systems (1707.10)	☐ Continuous	☐ Periodic	

MISCELLANEOUS AREAS Detailed Instructions and Frequencies

These inspections are recommended by the Architect/Engineer and approved by DFCM.

Suspended Ceiling Grid Clips	☐ Continuous	☐ Periodic	
Suspended Ceiling wire spacing (Seismic)	☐ Continuous	☐ Periodic	
Soils backfill (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for curb and gutter (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for parking lots (specify locations and frequency)	☐ Continuous	☐ Periodic	
Soils for utility trench backfill	☐ Continuous	☐ Periodic	
Reinforcement for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Reinforcement for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for slab on grade sidewalks and drive approaches (specify locations and frequency)	☐ Continuous	☐ Periodic	
Concrete testing for interior slab on grade (specify locations and frequency)	☐ Continuous	☐ Periodic	
Masonry Veneer (specify locations and frequency)	☐ Continuous	☐ Periodic	
Asphalt inspection (specify locations and frequency)	☐ Continuous	☐ Periodic	
Asphalt testing (specify locations and frequency)	☐ Continuous	☐ Periodic	
Inspection of seismic resistance (specify locations and frequency)	☐ Continuous	☐ Periodic	
Steam and water line welding (specify locations and frequency)	☐ Continuous	☐ Periodic	
Seismic supports for duct work and sealing of joints for duct work	☐ Continuous	☐ Periodic	

Seismic supports for electrical raceways, cable trays and lights	☐ Continuous	☐ Periodic	
Seismic supports for plumbing lines including gas, water and steam and condensation	☐ Continuous	☐ Periodic	
Seismic bracing for mechanical units both on slab and suspended	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	
	☐ Continuous	☐ Periodic	

Special Inspectors Shall:

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.1.2 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hrs. of inspections;
- **A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the drawings, specifications and applicable codes. IBC 1704.1.2**

Updated October 8, 2009

Seal

LICENSED ARCHITECT
01/15/2010
129331
FRED L.THALMANN
STATE OF UTAH

Revisions:

No.	Date	Description
1	3/19/10	CODE REVIEW
2	4/14/10	CODE REVIEW

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2 PEPPERWOOD POINTE
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DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

Date: 1/15/2010
Drawn: FLT
Checked: FLT

Drawing Description

SPECIAL INSPECTION AND TESTING

Drawing No.

A-5

GENERAL STRUCTURAL NOTES:

I. GENERAL:

A. THE STRUCTURAL DRAWINGS SHOW THE COMPLETED PROJECT. DETAILS, SECTIONS, AND NOTES SHOWN ON THE DRAWINGS SHALL BE TYPICAL AND APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS NOTED OR SHOWN OTHERWISE.

B. CONTRACTOR SHALL COMPARE ALL DIMENSIONS AND CONDITIONS ON CONTRACT DOCUMENTS AND AT THE SITE. ANY OMISSION OR CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. IN CASE OF ANY CONFLICT FOLLOW THE MOST STRINGENT REQUIREMENT AS DIRECTED BY ARCHITECT/ENGINEER.

C. SEE THE ARCHITECTURAL DRAWINGS FOR DOORS, WINDOWS, NON-BEARING INTERIOR AND EXTERIOR WALLS, RECESSES, DEPRESSIONS, ETC.

D. CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BRACING FOR ALL PORTIONS OF THE BUILDING UNTIL THE ENTIRE STRUCTURE OR THE BUILDING IS COMPLETE.

E. OBSERVATION VISITS TO THE SITE BY STRUCTURAL ENGINEER'S FIELD REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION.

F. DEMOLITION:

1. CONTRACTOR SHALL VERIFY IN THE FIELD ALL EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO CONTINUING ANY WORK.
2. CONTRACTOR SHALL EXERCISE EXTREME CARE DURING DEMOLITION TO AVOID DAMAGING THOSE PORTIONS OF THE STRUCTURE TO REMAIN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DAMAGE TO THE STRUCTURE TO REMAIN.
3. ALL METHODS USED SHALL BE CAREFULLY PLANNED AND SHALL BE APPROPRIATE TO THE WORK TO BE DONE. THE EXISTING STRUCTURE TO REMAIN SHALL NOT BE SUBJECTED TO ANY SUDDEN OR EXCESSIVE FORCES WHICH MIGHT ADVERSELY AFFECT THE INTEGRITY OF THE STRUCTURE.
4. WHERE EXISTING CONCRETE OR MASONRY IS TO BE REMOVED SAWCUT BETWEEN THE STRUCTURE TO REMAIN AND THAT TO BE REMOVED UNLESS NOTED OTHERWISE. WHERE NEW DOORS OR OTHER OPENINGS ARE TO BE CUT INTO EXISTING WALLS OR SLABS A MINIMUM 6" DIAMETER CORE HOLE SHALL BE DRILLED INTO EACH CORNER. THE SAWCUT SHALL BE BETWEEN THE CORE HOLES. NO OVERCUTTING INTO THE STRUCTURE TO REMAIN SHALL BE PERMITTED.

II. DESIGN CRITERIA:

A. BUILDING CODE: 2009 INTERNATIONAL RESIDENCE CODE (IRC) W/ AMENDMENTS

B. FOUNDATION:

1. ALL EXTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 30" BELOW LOWEST ADJACENT FINISH FLOOR OR FINISH GRADE ONTO 12" STRUCTURAL FILL SUBSOILS HAVING A MINIMUM NET BEARING CAPACITY OF 2000 PSF. ALL INTERIOR FOOTINGS ARE TO BE FOUNDED AT NOT LESS THAN 1'-0" BELOW LOWEST ADJACENT FINISH FLOOR ONTO SUBSOILS.
2. THE SOIL REPORT IS PREPARED BY "GSH" JOB # 0128-054-09.

III. CONCRETE:

A. ALL MATERIALS SHALL COMPLY WITH ACI 318 AND ACI 347 PUBLICATIONS AND APPLICABLE ASTM PUBLICATIONS.

B. CONCRETE MATERIAL PROPERTIES: 28-DAY COMPRESSIVE STRENGTHS ARE TO BE 3000 PSI TYPICAL UNLESS NOTED OTHERWISE. DESIGN BASED ON 2500 PSI.

C. CAST IN PLACE CONCRETE:

1. SPACING OF CONSTRUCTION JOINTS OR CONTROL JOINTS IN WALLS EXPOSED TO VIEW SHALL NOT EXCEED 40 FEET UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
2. PROVIDE EXTRA REINFORCING AROUND ALL OPENINGS EXCEEDING 24 INCHES SQUARE OR ROUND IN ALL SLABS AND WALLS EQUAL TO TWO #5 BARS ON FOUR SIDES AND EXTEND TWO FEET BEYOND THE OPENING.
3. PROVIDE A 3/4" CHAMFER ON ALL EXPOSED CORNERS OF CONCRETE UNLESS NOTED OTHERWISE.
4. PROVIDE CLASS B LAP SPLICES FOR ALL REINFORCING UNLESS NOTED OTHERWISE.
5. PROVIDE ISOLATION JOINTS AROUND ALL COLUMNS AT ALL EXPOSED SLAB ON GRADE AREAS.

IV. REINFORCING STEEL:

A. ALL BARS #4 AND LARGER TO BE ASTM A 615, GRADE 60. ALL #2 AND #3 BARS TO BE ASTM A 615, GRADE 40. DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH ACI-318, LATEST ADOPTION.

B. ALL REINFORCING STEEL SHALL BE BENT, DETAILED AND CHAIRED AS PER "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES".

C. WELDED WIRE FABRIC TO BE IN ACCORDANCE WITH ASTM A 185.

D. ALL BARS INDICATED ON THE PLANS TO BE WELDED SHALL CONFORM TO ASTM A706 (GRADE 60).

E. CONCRETE COVER REQUIREMENTS FOR DEFORMED BAR REINFORCING STEEL SHALL COMPLY WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE".

1. CAST-IN-PLACE CONCRETE:

a) CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
b) FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER: 2"
#5 BARS AND SMALLER: 1-1/2"
c) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS JOISTS: #11 BARS OR SMALLER: 3/4"
BEAMS, COLUMNS: PRIMARY REINFORCING, TIES, STIRRUPS, SPIRALS: 1-1/2"

V. STRUCTURAL AND MISCELLANEOUS STEEL:

A. MATERIAL PROPERTIES:

1. ALL SHAPES, PLATES, ANGLES, AND CHANNELS TO BE ASTM A-36 UNLESS NOTED OTHERWISE.

B. WELDING:

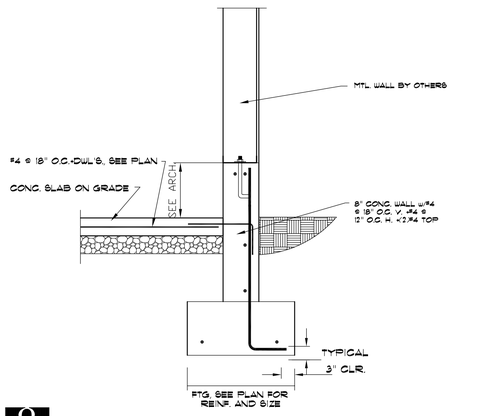
1. FOR STRUCTURAL STEEL TO BE IN ACCORDANCE WITH A.W.S. REQUIREMENTS FOR E70XX ELECTRODES.

C. BOLTS:

1. ALL BOLTS TO BE 3/4" DIAMETER ASTM A 325-N UNLESS NOTED OTHERWISE.
2. BOLTS, NUTS AND WASHERS SHALL NOT BE REUSED.
3. ANCHOR BOLTS SHALL BE ASTM A 307 OR A 36.

VI. SPECIAL INSPECTION: SPECIAL INSPECTION IS REQUIRED IN ACCORDANCE WITH I.B.C. SECTION 1704.

A. BOLTINGS.
B. EPOXY BOLTS.



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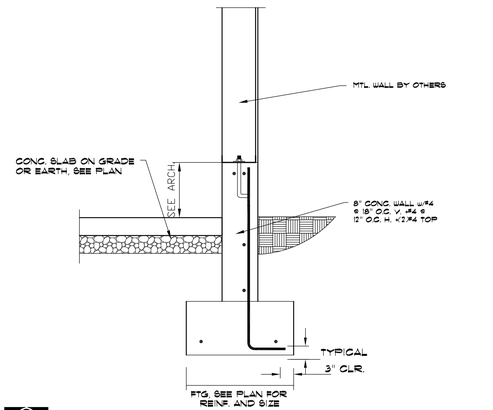

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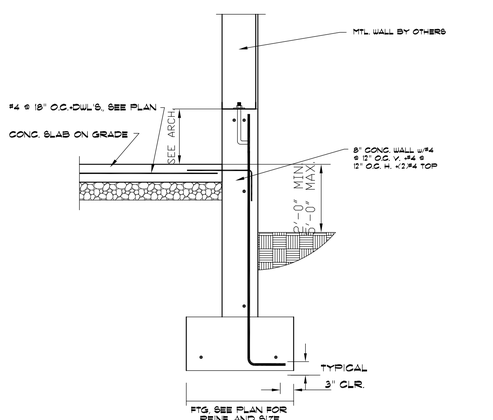

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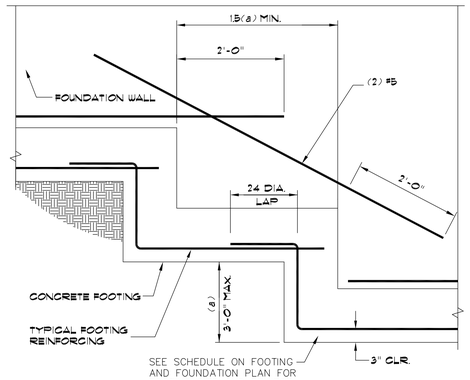
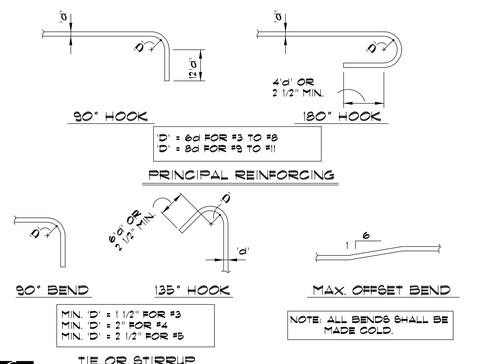
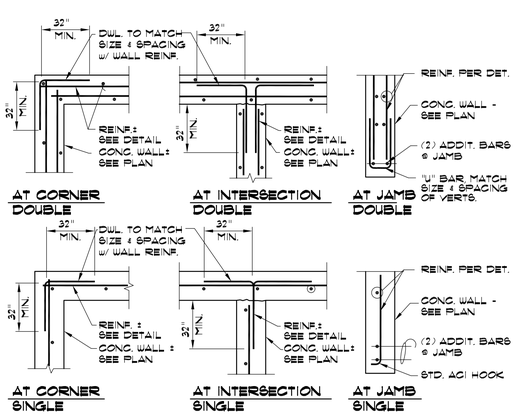


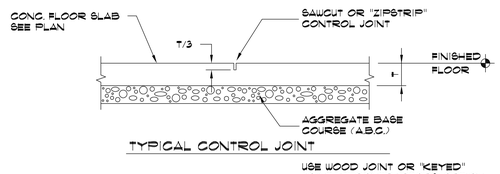
5 TYPICAL STEPPED FOOTING



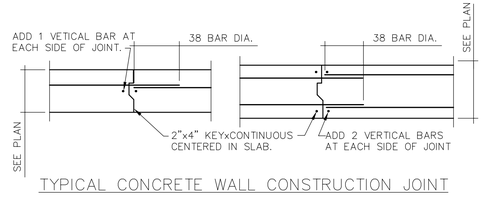
6 TYPICAL REINFORCING BAR BENDS



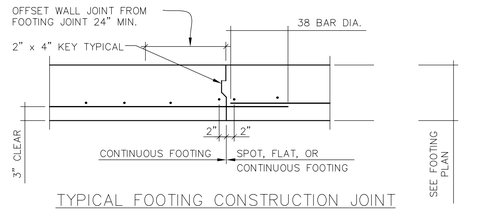
7 TYPICAL CONC. WALL REINF.



1 TYPICAL CONCRETE FLOOR JOINTS

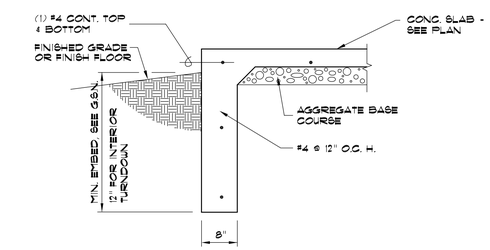


TYPICAL CONCRETE WALL CONSTRUCTION JOINT

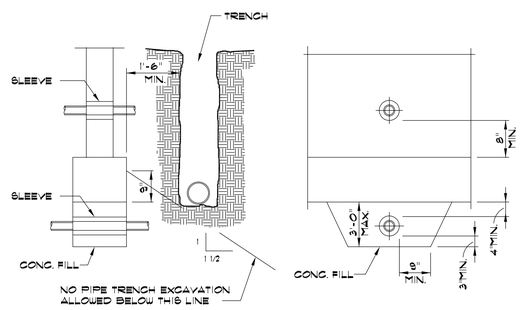


TYPICAL FOOTING CONSTRUCTION JOINT

2 TYP. FTG. & WALL CONSTRUCTION JOINT



3 TYPICAL TURNDOWN FOOTING



NOTE: CONCRETE FILL TO BE THE SAME WIDTH AS FOOTING & FULL WIDTH OF PIPE TRENCH. PIPE TO CLEAR SLEEVE BY 1/2" ALL AROUND

4 PIPES AT CONCRETE FOOTING

Seal

LICENSED PROFESSIONAL ENGINEER
No. 260129
HUA SHEN
STATE OF UTAH

Revisions:

No.	Date	Description
1	4/12/10	REVIEW COMMENTS

THALMANN ARCHITECT
2 PEPPERWOOD POINTE
SANDY, UTAH 84092
OFFICE: (801) 572-1997
CELL: (801) 641-8043
FAX: (801) 572-4103

Shen Engineers, Inc.
Structural/Seismic Consultants
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Salt Lake City, UT 84106
Telephone 801 466-2625
Facsimile 801 466-2656
E-mail: shener@msn.com

DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

Date: 1/15/2010
Drawn: HS
Checked: SYX
Job No.: SE08186

S1.1

THE DESIGN LOADS USED FOR FOOTING AND FOUNDATION DESIGN ARE TAKEN FROM THE STRUCTURAL PLANS PREPARED BY CO BUILDING SYSTEM, INC. DATED 01/14/10.

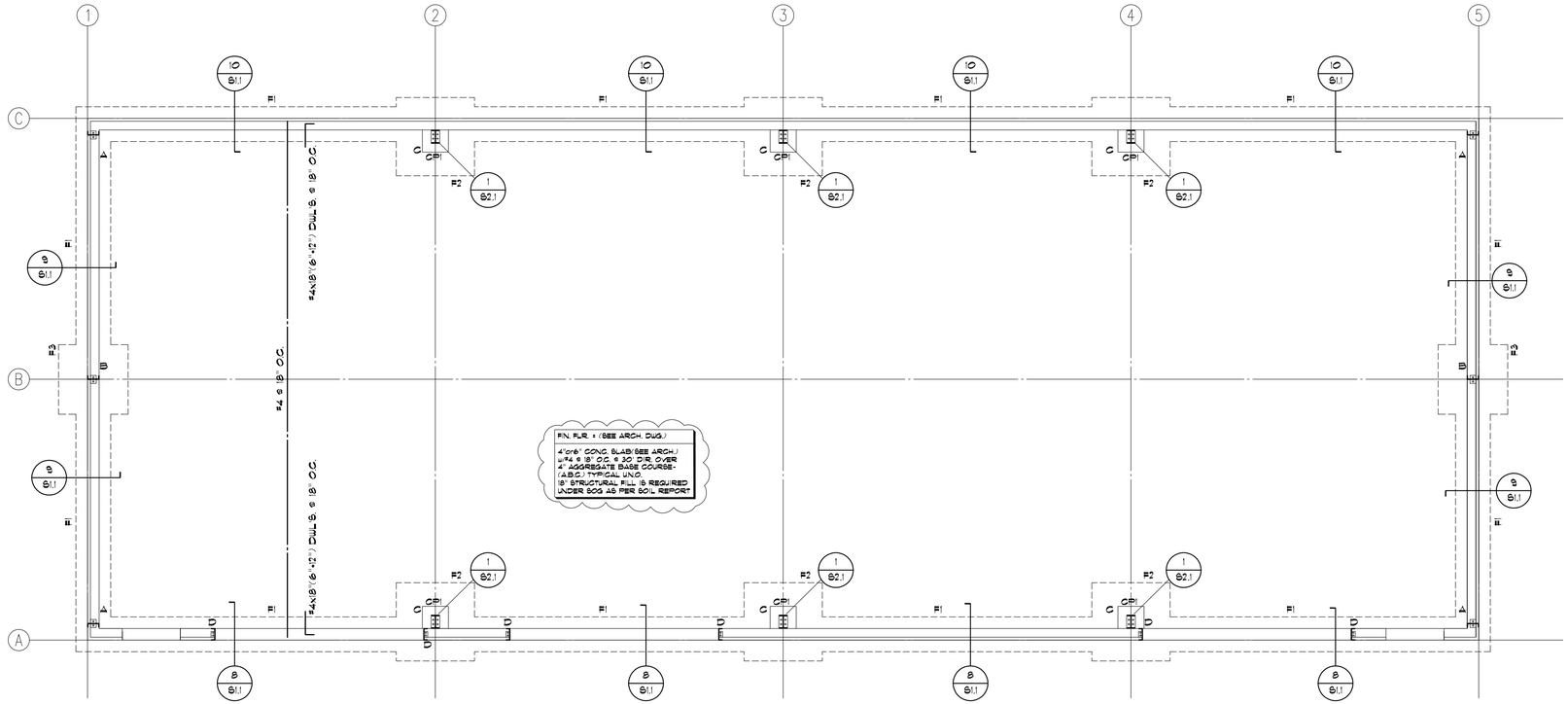
NOTE ON EPOXY BOLTS

ALL EPOXY BOLTS ARE TO BE "SIMPSON STRONG-TIES 'SET-XP' HIGH STRENGTH EPOXY" AS PER ICBO/ICC CODE 'ER-5278'.
THE INSTALLING REQUIREMENT FOR EPOXY BOLTS AND/OR REBAR DOWELS ARE AS FOLLOWED:

DIAMETER/DRILL DIA./EMBED. DEPTH/EDGE DIST./SPACING DIST.
1/2" / 5/8" / 4 1/4" / 1 3/4" / 6 3/8"
5/8" / 3/4" / 5" / 1 3/4" / 7 1/2"
3/4" / 7/8" / 6 3/4" / 1 3/4" / 10 1/8"

FOUNDATION PLAN NOTES:

1. SEE GENERAL STRUCTURAL NOTES SHEET AND STANDARD CONCRETE DETAIL SHEET FOR
   - A. GENERAL STRUCTURAL NOTES
   - B. TYPICAL ENGAVATION ADJACENT TO FOOTING
   - C. TYPICAL SLAB JOINT DETAILS
   - D. TYPICAL STEPPED FOOTING
2. W8 - DENOTES CONCRETE WALL STEP.
3. F-1 - DENOTES FOOTING MARK - SEE FOOTING SCHEDULE.
4. K.C.J. - DENOTES KEYED CONSTR. JOINT - SEE STANDARD DETAIL.
5. C.J. - DENOTES CONTROL JOINT - SEE STANDARD DETAIL.
6. F------8 - DENOTES FOOTING STEP, SEE DETAIL TYPICAL.
7. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO CONSTRUCTION. SEE ARCHITECTURAL FOR ALL DIMENSIONS. SLAB SLOPES & DEPRESSIONS NOT NOTED.
8. ALL SLABS ON GRADE ARE TO BE JOINTED AT NO MORE THAN 15'-0" EACH WAY USING JOINTS AS PER STANDARD DETAIL. IN ADDITION, NO SECTION OF CONCRETE SHALL HAVE AN ASPECT RATIO OF GREATER THAN 1 1/2:1. PROVIDE (2) #4 x 4'-0" MID-HEIGHT SLAB BARS ADJACENT TO ALL DISCONTINUOUS JOINT LOCATIONS. ALL COLUMN ISOLATION JOINT CORNERS ARE TO BE INTERSECTED BY A SLAB JOINT OR REINFORCED WITH SLAB BARS PER ABOVE. SUBMIT COMPLETE JOINT LAYOUT PLAN TO THE ARCHITECT FOR PRIOR REVIEW.



FOOTING AND FOUNDATION PLAN
1/4"= 1'-0"

CONCRETE PIER SCHEDULE

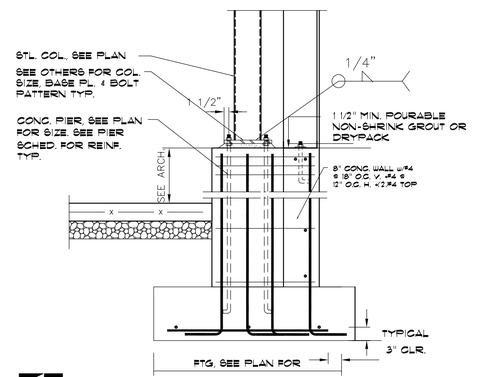
CONC. PIER MARKS	VERT. REINF.	TIES	TIES/TOP
CPI/18"x24"	(8)#7	#3@12"	(3)#3@2"

THE SIZES OF THE PIERS ARE THE BASE PLATE SIZES PLUS 6" FROM EACH EDGE OUT TYP. U.N.O.

ANCHOR BOLT DIAMETERS(A307)	MIN. BOLT EMBEDMENT
1/2"	16"
5/8"	20"
3/4"	24"
7/8"	28"
1"	32"
1 1/4"	36"

FOOTING SCHEDULE — BASED ON SOIL BEARING = 3000 PSF ARCH/CONTRACTOR VERIFY IT

MARK	SIZE	REINFORCING	REMARKS
F1	2'-0" x 12" x CONT.	(2)#4 CONT.	
F2	4'-6" SQ. x 12"	(5) #5 E.W.	
F3	4'-0" SQ. x 12"	(4) #5 E.W.	



1

THALMANN ARCHITECT
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Salt Lake City UT 84106
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E-mail: sheneng@shen.com

Seal

LICENSED PROFESSIONAL ENGINEER
No. 260129
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STATE OF UTAH

Revisions:

No.	Date	Description
1	4/12/10	REVIEW COMMENTS

DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main State Street, Springville Utah

Date: 1/15/2010
Drawn: HS
Checked: SYX
Job No.: SE08186

S2.1

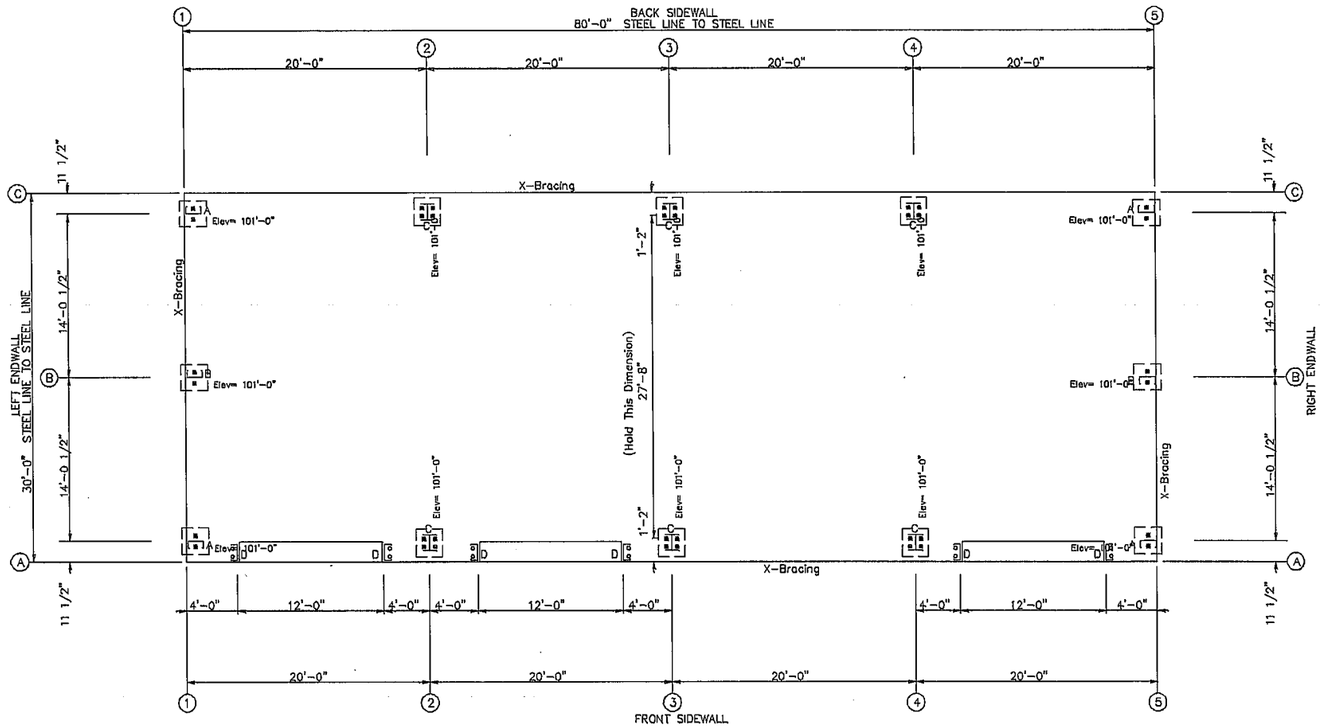
AutoCAD Version 14.0
June 30, 1998 10:38:19 a.m.
Drawing: P:\SE08186\
Xrefs: TITLE.DWG

ANCHOR BOLT SUMMARY

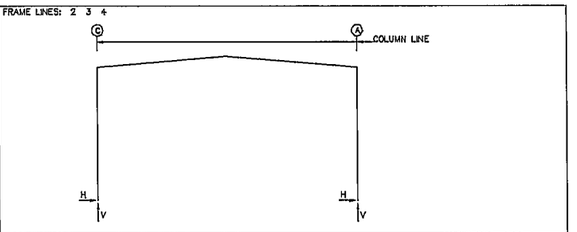
Qnt	Loc	Dia (in)	Proj (in)
12	DJ	1/2"	1.50
12	EW	5/8"	2.00
24	RF	5/8"	1.50

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	1	C-B	1.5	1.4	0.8	0.5	
R_EW	1	B-A	1.4	0.9	1.3	0.8	
R_SW	5	A-B	1.5	1.4	0.8	0.5	
B_SW	C	3-2	1.4	0.9	1.3	0.8	



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. Bolt No	Bolt D(in)	Base Plate (in) Wid	Len	Thk	Grout (in)
2 *	C	3	2.7	6.6	4	-2.3	-2.0	4	0.625	6.000	9.250	0.375	12.0
		1	2.5	10.4	6	0.6	-3.7						
2 *	A	5	2.3	-2.0	2	-2.7	6.6	4	0.625	6.000	9.250	0.375	12.0
		1	-2.5	10.4	7	-0.6	-3.7						

2 * Frame lines: 2 3 4

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Snow Horiz	Snow Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert
2 *	C	0.23	1.09	0.07	0.30	-1.47	5.02	2.21	8.03	-2.05	-4.27	0.97	-2.11
2 *	A	-0.23	1.09	-0.07	0.30	-1.47	5.98	-2.21	8.97	-0.97	-2.11	2.05	-4.27

Frame Line	Column Line	Wind_L2 Horiz	Wind_L2 Vert	Wind_R2 Horiz	Wind_R2 Vert	Wind_Ln1 Horiz	Wind_Ln1 Vert	Wind_Ln2 Horiz	Wind_Ln2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert
2 *	C	-2.39	-2.67	0.64	-0.47	0.46	-4.39	0.34	-3.73	-0.58	-0.54	0.58	0.54
2 *	A	-0.64	-0.47	2.39	-2.67	-0.34	-3.73	-0.46	-4.39	-0.58	0.54	0.58	-0.54

Frame Line	Column Line	Seismic Horiz	Seismic Vert	Temp Horiz	Temp Vert
2 *	C	0.00	-1.03	0.04	0.00
2 *	A	0.00	-1.03	-0.04	0.00

2 * Frame lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Snow Vert	Rafter Wind_L Vert	Rafter Wind_R Vert	Brace Wind_L Horz	Brace Wind_L Vert	Brace Wind_R Horz	Brace Wind_R Vert	Wind_P Horz	Wind_S Horz
1	C	0.22	0.08	1.22	1.83	-1.03	-0.52	1.50	-2.45	0.00	0.00	-0.64	0.82
1	B	0.61	0.18	3.66	5.49	-2.31	-2.30	0.00	-0.89	1.50	-3.73	-1.29	1.42
1	A	0.22	0.08	1.22	1.83	-0.52	-1.04	0.00	-0.52	0.00	-1.04	-0.64	0.82
5	A	0.22	0.08	1.22	1.83	-1.03	-0.52	1.50	-2.45	0.00	0.00	-0.64	0.82
5	B	0.61	0.18	3.66	5.49	-2.31	-2.30	0.00	-0.89	1.50	-3.73	-1.29	1.42
5	C	0.22	0.08	1.22	1.83	-0.52	-1.04	0.00	-0.52	0.00	-1.04	-0.64	0.82

Frm Line	Col Line	Wind_Ln Vert	Wind_Ln Horz	Sels_L Horz	Sels_L Vert	Sels_R Horz	Sels_R Vert
1	C	-1.98	0.56	-0.51	0.00	0.56	
1	B	-2.80	0.00	0.53	0.56	-0.59	
1	A	-1.98	0.00	-0.02	0.00	0.02	
5	A	-1.98	0.56	-0.51	0.00	0.56	
5	B	-2.80	0.00	0.53	0.56	-0.59	
5	C	-0.98	0.00	-0.02	0.00	0.02	

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. Bolt No	Bolt D(in)	Base Plate (in) Wid	Len	Thk	Grout (in)
1	C	8	0.8	-2.3	9	-0.6	-0.8	2	0.625	5.500	6.000	0.250	12.0
		10	0.6	2.3	8	0.8	-2.3						
1	B	11	1.4	-3.4	9	-1.3	-2.5	2	0.625	5.500	6.000	0.250	12.0
		1	0.0	6.3	11	1.4	-3.4						
1	A	11	0.8	-0.9	9	-0.6	-0.8	2	0.625	5.500	6.000	0.250	12.0
		1	0.0	2.1	11	0.8	-0.9						
5	A	8	0.8	-2.3	9	-0.6	-0.8	2	0.625	5.500	6.000	0.250	12.0
		10	0.6	2.3	8	0.8	-2.3						
5	B	11	1.4	-3.4	9	-1.3	-2.5	2	0.625	5.500	6.000	0.250	12.0
		1	0.0	6.3	11	1.4	-3.4						
5	C	11	0.8	-0.9	9	-0.6	-0.8	2	0.625	5.500	6.000	0.250	12.0
		1	0.0	2.1	11	0.8	-0.9						

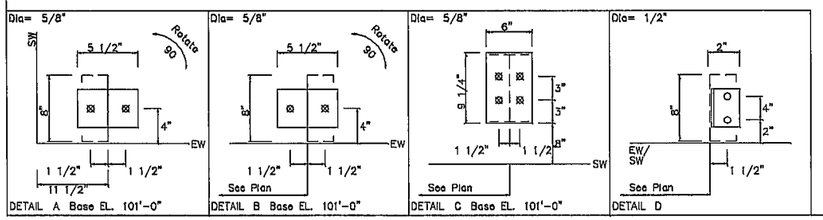
NOTES FOR REACTIONS

Building reactions are based on the following building data:

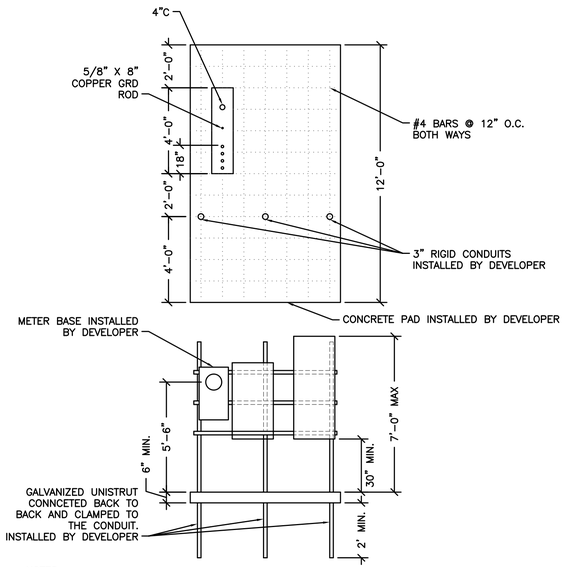
Width (ft)	= 30.0
Length (ft)	= 80.0
Eave Height (ft)	= 15.0/ 15.0
Roof Slope (rise/12)	= 1.0/ 1.0
Dead Load (psf)	= 2.5
Collateral Load (psf)	= 1.0
Live Load (psf)	= 20.0
Snow Load (psf)	= 30.0
Wind Speed (mph)	= 90.0
Wind Code	= IBC 06
Exposure	= C
Closed/Open	= C
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Design Category	= D
Seismic Coefficient (Fa*Sa)	= 1.20
Temperature Change	= 100

Id	Description
1	DL+CL+SL
2	DL+CL+0.75SL+0.75WL1
3	DL+CL+0.75SL+0.75WR1
4	0.60DL+WL2
5	0.60DL+WR2
6	0.60DL+LWind1
7	0.60DL+LWind2
8	0.60DL+WL2+WS
9	0.60DL+WR+LnWind2
10	DL+CL+0.75SL+0.75WR2+0.75WS
11	0.60DL+WR2+WS

PRELIMINARY
DRAWINGS ONLY



ANCHOR BOLT PLAN, DETAILS & REACTIO	CO BUILDING SYSTEMS INC.	JOB NO.	11402
DESIGN: TB DRAFT: CHECK:		PROJECT	DWR, Springville, Utah
DATE: 1/14/10		ADDRESS	S-3
REVISION: TB			SHEET OF



NOTES:
1. SPRINGVILLE CITY WILL NOT PULL OR TERMINATE COMMERCIAL SERVICES FROM THE SECONDARY SIDE OF THE TRANSFORMER.
2. THE DEVELOPER SHALL TERMINATE ALL CABLES IN THE CT CANS.
3. THE CONTRACTOR SHALL TERMINATE ALL CABLES THEY RUN AND PROVIDE LUGS FOR THE TRANSFORMER SECONDARY.

SPRINGVILLE CITY ELECTRICAL STANDARDS - PAD MOUNTED TRANSFORMERS - THREE PHASE TRANSFORMER PAD WITH METERING STATION

3 / E-0 — SCALE: NTS

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION		LAMP(S) AND BALLASTS	INPUT (VA)	MANUFACTURER(S)
A	DESCRIPTION:	1' X 4' FLUORESCENT INDUSTRIAL	(2) F48T8/HO	98	COLUMBIA
	SIZE:	11 IN. X 48 IN. X 3-5/8 IN	(1) 2-LAMP		CSR4-248HO-U-EU-ADV-ICN-CSRWG
	HOUSING:	DIE-FORMED STEEL	ADVANCE CENTIUM		
	FINISH:	BAKED WHITE ENAMEL	ICN-2S86@120v		
	MOUNTING:	CHAIN HUNG	BALLAST		
	OPTIONS:	WIRE GUARD			
	OTHER:	ADVANCE CENTIUM ICN-2S86@120V BALLAST			
B	DESCRIPTION:	EXTERIOR WALLPACK	(1) 150 HPS	188	HUBBELL OUTDOOR LIGHTING
	SIZE:	14-7/8 IN. X 15 IN. X 8 IN	AL-HPF BALLAST		PVL3-150S-18-BZ-L-PBT-1
	HOUSING:	DIE CAST ALUMINUM			
	FINISH:	BRONZE FINISH			
	LENS:	ONE-PIECE POLYCARBONATE LENS			
	REFLECTOR:	SPECULAR REFLECTOR			
	OPTIONS:	PHOTOCONTROL 120V			
X1	DESCRIPTION:	WET LOCATION NEMA 4X EXIT SIGN W/ EMERGENCY HEADS	RED L.E.D.	9	DUALLITE
	SIZE:	24 IN WIDE WITH HEADS X 12 IN TALL X 5 IN DEEP			WLX-SA-LR1-W-2LR-6-54-AT-IH120V
	HOUSING:	ABS THERMOPLASTIC			
	ACCESSORIES:	EMERGENCY LIGHTING HEADS, AUTO TEST, INTERNAL BATTARY HEATER, FULLY AUTOMATIC CHARGER			
	MOUNTING:	WALL			

PANEL: P1 — 120 — 208 — 3 PH — 4 W — 400 A BUS

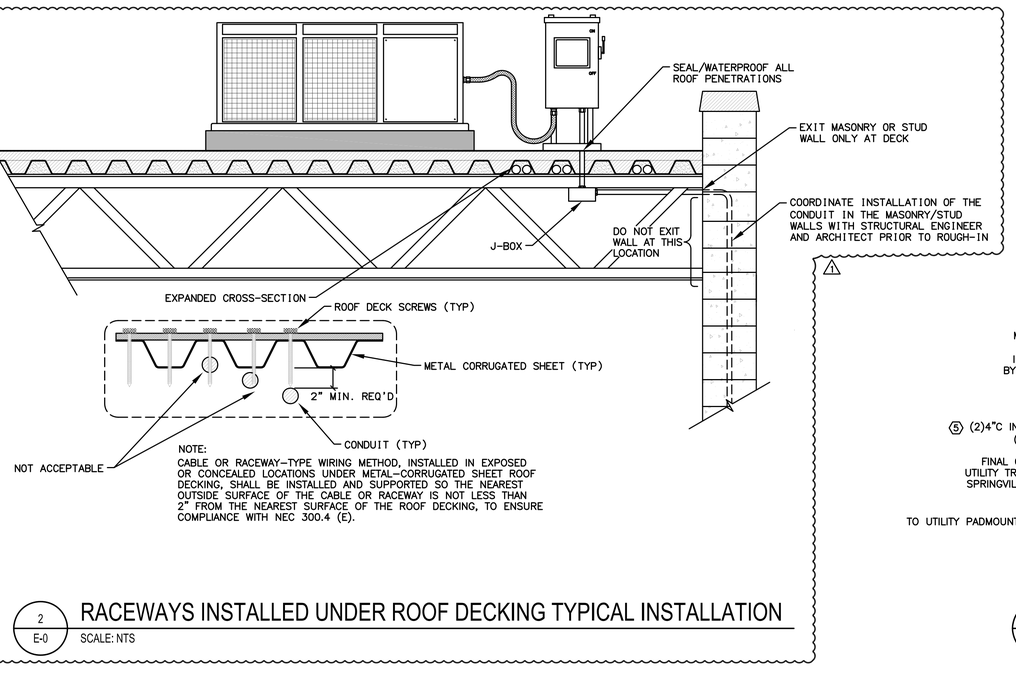
DESCRIPTION		LOAD	BKR	P			BKR	P		LOAD	DESCRIPTION
RECEPTACLES	R	360	20	1	1	A	2	100	2 E	9600	WELDING
RECEPTACLES	R	360	20	1	3	B	4	–	– E	9600	–
RECEPTACLES	R	360	20	1	5	C	6	50	2 E	4800	WELDING
RECEPTACLES	R	360	20	1	7	A	8	–	– E	4800	–
RECEPTACLES	R	360	20	1	9	B	10	20	1 L	1274	LIGHTING
RECEPTACLES	R	360	20	1	11	C	12	20	1 L	1090	LIGHTING
RECEPTACLES	R	360	20	1	13	A	14	20	1 L	564	EXTERIOR LIGHTING
RECEPTACLES	R	540	20	1	15	B	16	20	1		SPARE
RECEPTACLES	R	360	20	1	17	C	18	20	1		SPARE
ROLL UP DOOR RECEPTACLE	R	1200	20	1	19	A	20	20	1		SPARE
ROLL UP DOOR RECEPTACLE	R	1200	20	1	21	B	22	20	1		SPARE
ROLL UP DOOR RECEPTACLE	R	1200	20	1	23	C	24	20	1		SPARE
SPARE			20	1	25	A	26	20	1		SPARE
SPARE			20	1	27	B	28	20	1		SPARE
SPARE			20	1	29	C	30	20	1		SPARE
SPARE			20	1	31	A	32				SPACE ONLY
SPARE			20	1	33	B	34				SPACE ONLY
SPARE			20	1	35	C	36				SPACE ONLY
SPACE ONLY					37	A	38				SPACE ONLY
SPACE ONLY					39	B	40				SPACE ONLY
SPACE ONLY					41	C	42				SPACE ONLY
CONNECTED LOAD		38.7 KVA			108		AMPS				
NEC DEMAND LOAD		39.5 KVA			110		AMPS				

SYMBOL LIST

- SURFACE FLUORESCENT LIGHT FIXTURE
- WALL MOUNTED FLUORESCENT LIGHT FIXTURE
- WALL MOUNTED EXIT LIGHT
- EMERGENCY BATTERY LIGHT FIXTURE
- $ SINGLE POLE SWITCH
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE, FLUSH CEILING
- SPECIAL OUTLET TO MATCH EQUIPMENT PLUG
- JUNCTION BOX
- SURFACE EQUIPMENT CABINET AS NOTED
- RECESSED EQUIPMENT CABINET AS NOTED
- SURFACE ELECTRICAL PANELBOARD
- RECESSED ELECTRICAL PANELBOARD
- (#) DRAWING NOTE DESIGNATION
- (#) LIGHT FIXTURE DESIGNATION

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BG	BELOW GRADE
CKT	CIRCUIT
EM	EMERGENCY
(E)	EXISTING
(F)	FUTURE
GFI	GROUND FAULT INTERRUPTER
GFP	GROUND FAULT PROTECTOR
GRD	GROUND
IG	ISOLATED GROUND
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
(N)	NEW
NTS	NOT TO SCALE
PNL	PANEL
TYP	TYPICAL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UNO	UNLESS NOTED OTHERWISE
WG	WIRE GUARD
WP	WEATHER PROOF



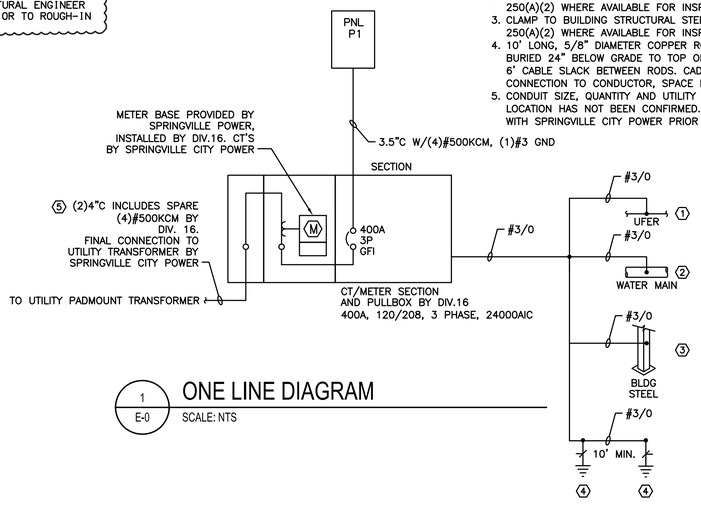
NOTE:
CABLE OR RACEWAY-TYPE WIRING METHOD, INSTALLED IN EXPOSED OR CONCEALED LOCATIONS UNDER METAL-CORRUGATED SHEET ROOF DECKING, SHALL BE INSTALLED AND SUPPORTED SO THE NEAREST OUTSIDE SURFACE OF THE CABLE OR RACEWAY IS NOT LESS THAN 2" FROM THE NEAREST SURFACE OF THE ROOF DECKING, TO ENSURE COMPLIANCE WITH NEC 300.4 (E).

RACEWAYS INSTALLED UNDER ROOF DECKING TYPICAL INSTALLATION

2 / E-0 — SCALE: NTS

KEYED NOTES - SHEET E-0

1. UFER OR CONCRETE ENCASED ELECTRODE SHALL BE 60' MIN. LENGTH OF #3/0 COPPER PLACED WITHIN 2.5" TO 3.5" OF BOTTOM EXTERIOR WALL FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. CADWELD AT MIN. OF 10'-0" O.C. TO 5/8" MIN. DIAMETER REBAR.
2. CLAMP TO BUILDING WATER MAIN AS REQ'D BY NEC 250(A)(2) WHERE AVAILABLE FOR INSPECTION.
3. CLAMP TO BUILDING STRUCTURAL STEEL PER NED 250(A)(2) WHERE AVAILABLE FOR INSPECTION.
4. 10' LONG, 5/8" DIAMETER COPPER RODS SHALL BE BURIED 24" BELOW GRADE TO TOP OF ROD; PROVIDE 6' CABLE SLACK BETWEEN RODS. CADWELD CONNECTION TO CONDUCTOR, SPACE RODS 10' MIN. APART.
5. CONDUIT SIZE, QUANTITY AND UTILITY TRANSFORMER LOCATION HAS NOT BEEN CONFIRMED. COORDINATE WITH SPRINGVILLE CITY POWER PRIOR TO INSTALLATION.



ONE LINE DIAGRAM

1 / E-0 — SCALE: NTS

DRAWING INDEX

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Project #: 59082.00

Seal

LICENSED PROFESSIONAL ENGINEER — No. 321868 — KENNETH D. GARNER — STATE OF UTAH

Revisions:

No.	Date	Description
1	2/18/10	Code Review

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DIVISION OF WILDLIFE RESOURCES
SPRINGVILLE REGIONAL OFFICE
COVERED STORAGE STRUCTURE
DFCM PROJECT NO. 09197520
1155 North Main Street, Springville Utah

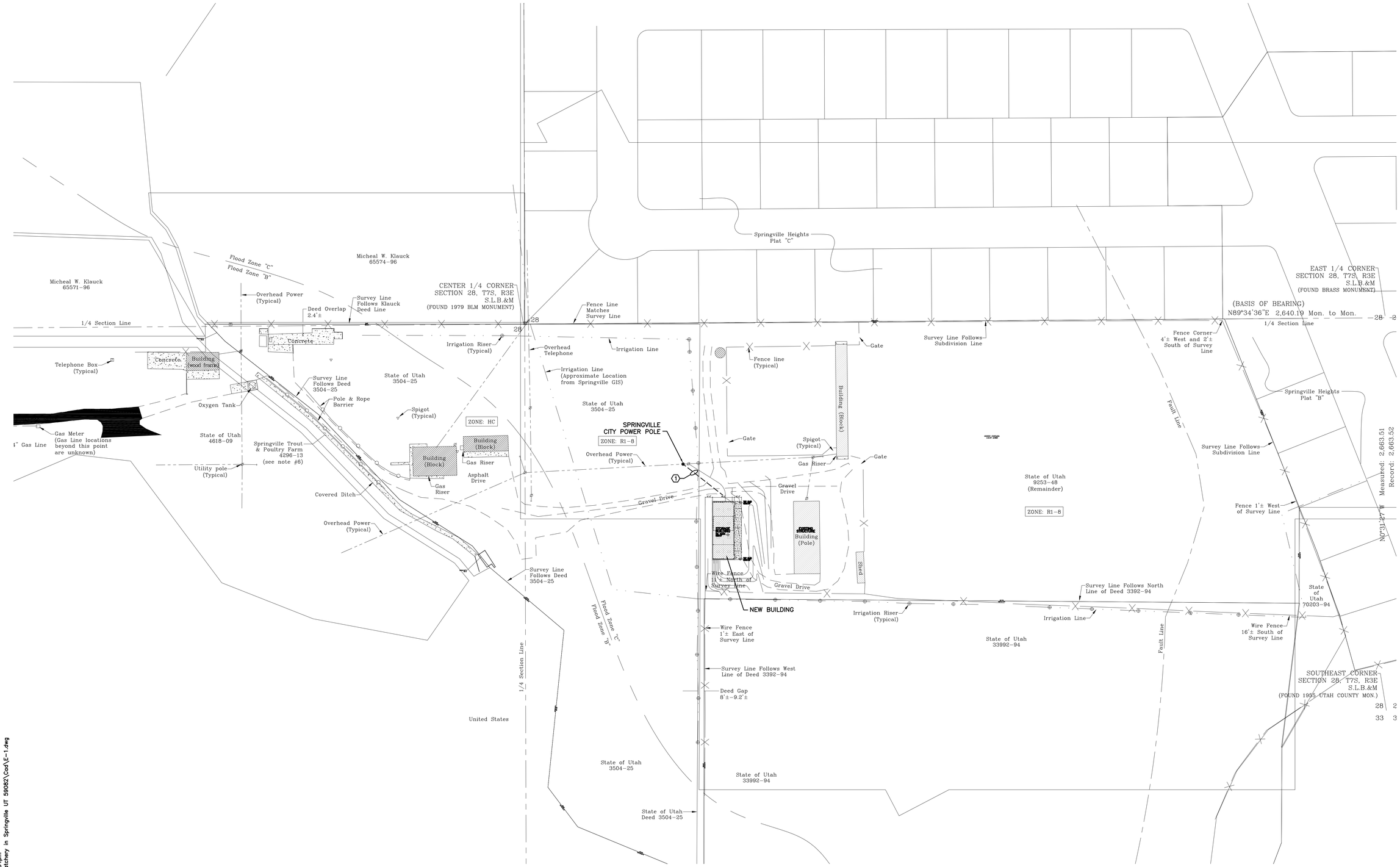
Date: 1/15/2010
Drawn: KGE
Checked: PL

Drawing Description:
SYMBOLS, SCHEUDLES, AND DRAWING INDEX

Drawing No:
E-0

KEYED NOTES - SHEET E-1

1. SEE ONE-LINE DIAGRAM, SHEET E-0 FOR REQUIREMENTS.



1 E-1 ELECTRICAL SITE PLAN

SCALE: 1" = 80'-0"

N

SPRINGVILLE CITY POWER AND LIGHT

TONY FIELDSTED (801) 489-2750

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Drawn: KGE

Checked: PL

Drawing Description:

ELECTRICAL SITE PLAN

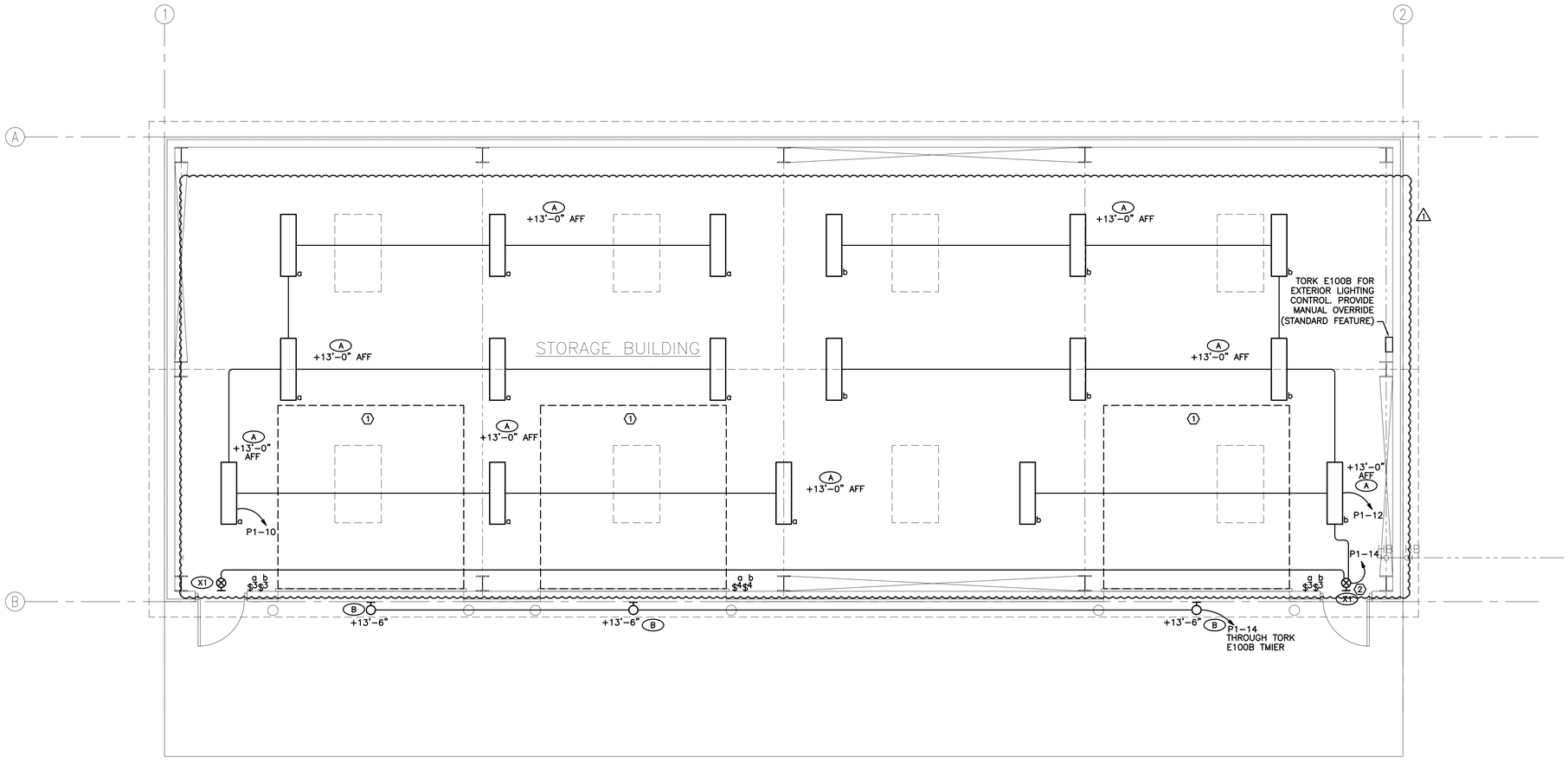
Drawing No:

E-1

By: kcarner, Feb 18, 2010 - 4:54pm
H:\2009\Storage Bldg at Fish Hatchery in Springville UT 59082\Cad\E-1.dwg

KEYED NOTES - SHEET E-2

1. ROLL UP DOOR AREA. NO LIGHTING IS TO BE INSTALLED ABOVE THE DOOR AREA WHEN DOOR IS ROLLED UP.
2. EXIT SIGNS ARE NOT TO BE SWITCHED. PROVIDE UNSWITCHED HOT TO FIXTURES WITH EMERGENCY BATTERY BACKUP.



1 E-2 ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

Seal

LICENSED PROFESSIONAL ENGINEER
No. 321886
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STATE OF UTAH

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Drawn: KGE
Checked: PL

Drawing Description:
ELECTRICAL
LIGHTING PLAN

Drawing No:
E-2

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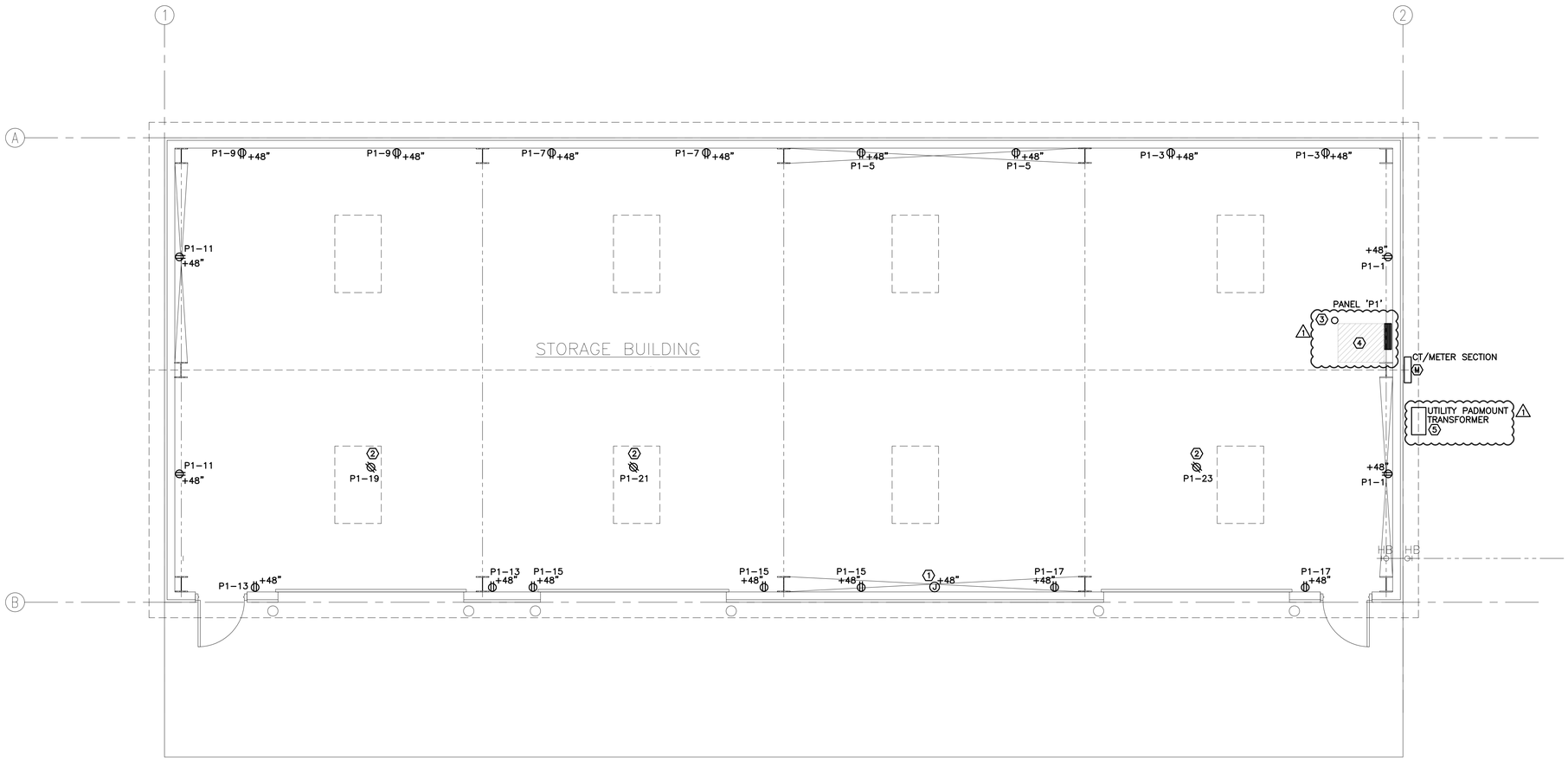
KEYED NOTES - SHEET E-3

1. JUNCTION BOX FOR WELDING RECEPTACLE. PROVIDE BLANK COVERPLATE. RUN 1" CONDUIT AND 3#2 TO THE 100A BREAKER IN PANELBOARD P1. OWNER TO PROVIDE RECEPTACLE WHEN WELDING UNIT IS PROVIDED. WELDING UNIT IS BY OWNER.
2. COORDINATE EXACT LOCATION OF RECEPTACLE WITH THE INSTALLATION OF THE OVERHEAD ROLL UP DOOR MOTOR.
3. BOLLARD FOR PROTECTION OF PANELBOARD FROM PHYSICAL DAMAGE.
4. MAINTAIN 36 IN DEEP BY 30 IN WIDE WORKING SPACE PER NEC.
5. DIVISION 16 IS RESPONSIBLE FOR PROVIDING THE TRANSFORMER PAD.



1 E-3 ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"

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Drawing Description:
ELECTRICAL POWER PLAN

Drawing No:
E-3