

# CODE ANALYSIS

## APPLICABLE CODES

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

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

B. Seismic Design Category: D Design Wind Speed: N/A 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): N/A  
 North: \_\_\_\_\_ South: \_\_\_\_\_ East: \_\_\_\_\_ West: \_\_\_\_\_

E. Mixed Occupancies: N/A Nonseparated Uses: N/A

F. Sprinklers: N/A  
 Required: \_\_\_\_\_ Provided: \_\_\_\_\_ Type of Sprinkler System: \_\_\_\_\_

G. Number of Stories: N/A Building Height: N/A

H. Actual Area per Floor (square feet): N/A

I. Tabular Area: N/A

J. Area Modifications: N/A

$$a) A_a = A_t + \left[ \frac{A_1 I_f}{100} \right] + \left[ \frac{A_2 I_s}{100} \right] \quad I_r = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$$

b) Sum of the Ratio Calculations for Mixed Occupancies: N/A

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

c) Total Allowable Area for: N/A

- 1) One Story: \_\_\_\_\_
- 2) Two Story:  $A_a(2)$  \_\_\_\_\_
- 3) Three Story:  $A_a(3)$  \_\_\_\_\_

d) Unlimited Area Building: Yes  No  Code Section: N/A

K. Fire Resistance Rating Requirements for Building Elements (hours): N/A

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

L. Design Occupant Load: N/A

Exit Width Required: N/A Exit Width Provided: N/A

M. Minimum Number of Required Plumbing Facilities: N/A

- a) Water Closets - Required (m) \_\_\_\_\_ (f) \_\_\_\_\_ Provided (m) \_\_\_\_\_ (f) \_\_\_\_\_
- b) Lavatories - Required (m) \_\_\_\_\_ (f) \_\_\_\_\_ Provided (m) \_\_\_\_\_ (f) \_\_\_\_\_
- c) Bath Tubs or Showers: \_\_\_\_\_
- d) Drinking Fountains: \_\_\_\_\_ Service Sinks: \_\_\_\_\_

### 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.

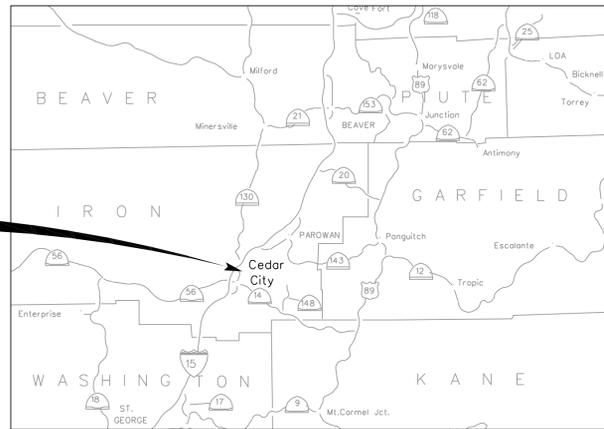
# SOUTHERN UTAH UNIVERSITY STEAM/CONDENSATE SAFETY LINE REPAIR

## AUGUST 5, 2009

### DFCM PROJECT NO.: 09117730

## 2 OF 2

PROJECT LOCATION



PROJECT VICINITY MAP  
SCALE: N.T.S.



### SPECIAL INSPECTION AND TESTING (IBC 1704)

Indicate required Special inspections for project by checking the appropriate boxes:

STEEL (IBC 1704.3)

Item	Reference/Comments
WELDING (1704.3.1)	
Details (1704.3.2)	
Single-pass fillet welds $\leq 5/16"$	Continuous <input type="checkbox"/> Periodic <input checked="" type="checkbox"/>

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

### SHEET NO.

GG1  
GG2

### DESCRIPTION

TITLE SHEET & SHEET INDEX  
GENERAL NOTES

MP1  
MP2

EXISTING AND NEW STEAM TRAP LOCATIONS - NORTH CAMPUS  
EXISTING AND NEW STEAM TRAP LOCATIONS - SOUTH CAMPUS

MD1

MECHANICAL DETAILS



State of Utah - Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION  
AND MANAGEMENT

4110 State Office Building/Salt Lake City, Utah 84114/538-3018



NO.	ISSUE FOR CONSTRUCTION	JK	CK	DS	08/05/09
	REVISIONS	DWN	APVD	APVD	DATE

383 West Vine Street  
Suite 400  
Murray, Utah  
84123  
www.stanleygroup.com

**Stanley Consultants INC.**  
A Stanley Group Company  
Engineering, Environmental and Construction Services - Worldwide

SOUTHERN UTAH UNIVERSITY  
STEAM/CONDENSATE LINE SAFETY REPAIR  
CEDAR CITY, UTAH

### TITLE SHEET & SHEET INDEX

DESIGNED C. KIM	SCALE: AS NOTED
DRAWN J. KIM	NO. 22181.01
CHECKED D. SCANLON	REV. 0
APPROVED C. KIM	
APPROVED D. SCANLON	
DATE 08/05/09	

