



State of Utah

JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

## Department of Administrative Services

KIMBERLY K. HOOD  
Executive Director

### Division of Facilities Construction and Management

DAVID G. BUXTON  
Director

# ADDENDUM #1

Date: July 6, 2009

To: Contractors

From: Matt Boyer, Project Manager, DFCM

Reference: Wolverine Services Building Re-roof  
Utah Valley University, Orem, Utah  
Project No. 09080790

Subject: **Addendum No. 1**

Pages	Addendum	1 page
	Revised Schedule	1 page
	<u>Architects Addendum</u>	<u>7 pages</u>
	Total	9 pages

**Note:** *This Addendum shall be included as part of the Contract Documents. Items in this Addendum apply to all drawings and specification sections whether referenced or not involving the portion of the work added, deleted, modified, or otherwise addressed in the Addendum. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to Disqualification.*

While we contend that SB220 should only be potentially applicable to a contract issued after the effective date of said bill, this is to clarify that for purposes of this contract, regardless of the execution or effective dates of this contract, the status of Utah Law and remedies available to the State of Utah and DFCM, as it relates to any matter referred to or affected by said SB220, shall be the Utah law in effect at the time of the issuance of this Addendum.

- 1.1 **SCHEDULE CHANGES** – There are changes to the project schedule  
The Bid date has been changed to Wednesday, July 8, 2009 at 2:30 PM
- 1.2 **GENERAL** – McNeil Group – Specifications and drawings.

Bid Form – Price for the additive alternate is a separate amount from the base bid.

**Utah!**  
Where ideas connect

**REVISED – STAGE II PROJECT SCHEDULE  
PER ADDENDUM #1 – dated July 6, 2009**

<b>PROJECT NAME:</b> WOLVERINE SERVICES BUILDING RE-ROOF UTAH VALLEY UNIVERSITY – OREM, UTAH				
<b>DFCM PROJECT NO. :</b> 09080790				
Event	Day	Date	Time	Place
Stage II Bidding Documents Available	Thursday	June 25, 2009	3:00 PM	DFCM 4110 State Office Building SLC, UT and the DFCM web site*
Mandatory Pre-bid Site Meeting	Tuesday	June 30, 2009	9:30 AM	Wolverine Services Bldg. UVU Main Campus Orem, Utah
Deadline for Submitting Questions	Wednesday	July 1, 2009	2:30 PM	Matt Boyer– DFCM E-mail:mboyer@utah.gov Fax (801)-538-3267
Addendum Deadline (exception for bid delays)	Thursday	June 2, 2009	2:30 PM	DFCM web site*
Prime Contractors Turn in Bid and Bid Bond	<b>Wednesday</b>	<b>July 8, 2009</b>	<b>2:30 PM</b>	DFCM 4110 State Office Building SLC, UT
Subcontractors List Due	<b>Thursday</b>	<b>July 9, 2009</b>	<b>2:30 PM</b>	DFCM 4110 State Office Building SLC, UT Fax 801-538-3677
Substantial Completion Date	Thursday	September 18, 2009	4:00 PM	

\* DFCM's web site address is <http://dfcm.utah.gov>

# **ADDENDUM NO. 01**

TO THE

**Re-Roof Project**

AT

**Wolverine Center  
UVU Campus, Orem**

**Bid Opening Date: July 6<sup>th</sup> at 2:30 PM**

FOR

**Division of Facilities Construction and Management**

Prepared by

McNeil Group, Inc.

This addendum issued the 1st day of July, 2009 is for all persons preparing bids for the above named project, and as such, shall be made a part of the contract documents.

The addendum consists of this cover sheet and 1 page. All changes, corrections, deletions, and/or additions to the initial bidding documents enumerated herein shall be included in the bidder's proposal. In case of any conflict, this addendum shall govern.

Acknowledgment of receipt of this addendum shall be marked in the appropriate place on the bid proposal form.

This addendum is to be attached to and is to become a part of the specification covering the above noted projects, and the said specification is to apply insofar as consistent with the items hereafter noted:

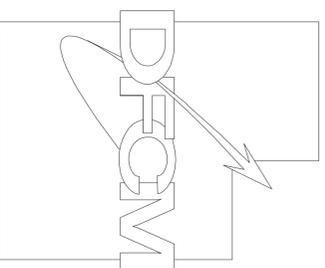
- ITEM 1: Bid opening will not be changed. Bids are due on July 6<sup>th</sup> @ 2:30 PM.
- ITEM 2: Change 4 x 6 posts on temporary framing covers to a 4 x 4 wood post.
- ITEM 3: Remove roof membrane and cover board down to plywood decking.
- ITEM 4: Install ½ inch dens deck or approved equal, over insulation, to obtain a “Class A” rating on the roofing system.
- ITEM 5: Install 2 x 6 studs at 16 inches on center for parapet wall with ½ inch plywood both sides 9 inches tall around the perimeter of all buildings in order to receive tapered crickets. Adjust wall height accordingly for additional insulation if alternate bid is accepted.
- ITEM 6: Install 90 degree elbows in existing gas line to run over top of new wall plates over (2) hallways that connect building. Extend all pipes up and over new perimeter walls and to mechanical units as required. Test units after construction to make sure they are working properly.
- ITEM 7: Minimum curb heights will be changed from 10 inches to 8 inches.
- ITEM 8: If a “Class A” fire rating can be obtained using a 3” top layer of insulation with a “slurry coated fiberglass facer”, the bottom layers can be 1 inch and 2 inch to achieve the thickness as per the alternate bids for additional insulation.
- ITEM 9: See modified drawings for changes in details as described above.

# WOLVERINE SERVICE CENTER UTAH VALLEY UNIVERSITY ROOF REPLACEMENT

800 WEST UNIVERSITY PARKWAY  
OREM, UTAH  
DFCM PROJECT # 09080790



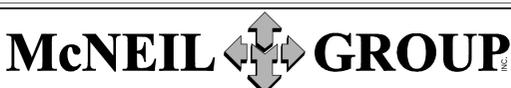
**State of Utah**  
Department of Administrative Services



Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

<http://dfcm.utah.gov>

JUNE 2009



*Designing for the Future Since 1983*  
6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
TEL. (801) 255-7700 FAX (801) 255-8071  
E-MAIL [info@mcneileng.com](mailto:info@mcneileng.com) WEB SITE AT [www.mcneil-group.com](http://www.mcneil-group.com)

WOLVERINE SERVICE CENTER  
UTAH VALLEY UNIVERSITY  
DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT  
800 WEST UNIVERSITY PARKWAY  
OREM, UTAH

NO.	DATE	REVISIONS
1	7/17/09	See Addendum 1

PROJECT NO.	290199
CAD/DWG FILE	290199.rvt.dwg
DRAWN BY:	NMD
PKL PROJECT NO.	09080790
PROJECT NO.	09080790
DESIGNED BY:	DLS
CHECKED BY:	DLS
DATE:	JUNE 2009

SHEET TITLE  
**COVER SHEET**

**G1.00**  
SHEET 1 of 5

**LEGEND**

- ELECTRICAL CONDUIT ON TOP OF ROOF
- EXISTING LIGHT
- EXISTING ROOF DRAIN
- NEW OVERFLOW DRAIN AND PIPE TO BE ADDED
- SLOPE
- VENT
- TURTLE VENT
- TURTLE VENT TO BE REMOVED
- MECHANICAL UNITS
- EXHAUST CIRES
- EXISTING SKYLIGHTS
- CONDENSING UNITS
- ROOF HATCH
- FENITOUSE LOWER
- WALL MOUNT ANTENNA
- ROOF LADDER ACCESS
- SATELLITE LOCATION
- EXISTING SATELLITE LOCATION
- SECONDARY UNDERPLAMENT



**VICINITY MAP**

NT3

**GENERAL NOTES:**

1. CONTRACTOR MUST VISIT THE SITE SO AS TO BE FAMILIAR WITH ALL EXISTING CONDITIONS BEFORE SUBMITTING BID. BRING ANY QUESTIONS OR CONCERNS TO THE ATTENTION OF THE ENGINEER FOR CLARIFICATION. FOR ADDITIONAL PRIOR TO BID OPENING, NO ALLOWANCES WILL BE MADE FOR CONDITIONS THAT ARE CLEARLY VISIBLE.
2. CONTRACTOR SHALL WORK WITH LOCAL LEADERSHIP ON SCHEDULING TO INSURE CONTINUED USE OF THE BUILDING. NEITHER THE CONTRACTOR NOR ANY OF HIS PEOPLE SHALL HAVE ACCESS TO THE BUILDING WITHOUT PRIOR AUTHORIZATION.
3. ALL SAFETY STANDARDS AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. EXISTING ROOF PENETRATIONS WILL BE FLASHED AND PAINTED.
5. ALL EXISTING ROOF VENTS, MECHANICAL UNITS, ROOF HATCHES, ETC. WILL BE A MINIMUM OF 6" ABOVE THE FINISHED ROOF.
6. ALL NEW METAL WILL BE GALVANIZED OR FREE FINISHED. GALKING WILL BE SAME COLOR AS METAL.
7. BEFORE FABRICATION OF ANY SHEET METAL WORK, SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL. ALL WORK TO CONFORM TO NCSA OR SYMOVA DETAILS AND REQUIREMENTS WHERE NOT SPECIFICALLY DETAILED OTHERWISE.
8. COMPLY WITH ALL MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.
9. CONTRACTOR RESPONSIBLE TO KEEP BUILDING WATERIGHT AT ALL TIMES. STARTING ROOF NOTICE TO PROCEED TO SUBSTANTIAL COMPLETION ANY DAMAGE TO THE BUILDING OR ITS CONTENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. CONTRACTOR TO CHECK ALL MECHANICAL EQUIPMENT BEFORE DISCONNECTING TO MAKE SURE THEY ARE OPERATING PROPERLY. CONTRACTOR IS ALSO RESPONSIBLE FOR UNITS TO BE IN COMPLETE OPERATING CONDITION AT THE COMPLETION OF THE PROJECT. COORDINATE SHUTDOWN WITH USERS.
11. BEFORE ORDERING ANY MATERIALS, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DO NOT SCALE DRAWINGS FOR QUANTITIES.
12. BEFORE INSTALLATION OF ALL NEW PIPE JACKS AND PIPE FLASHINGS CHECK MECHANICAL FLEES AND VENTS FOR ANY SETTLEMENT OR SHIFTING INTO ROOF. CONTRACTOR TO VERIFY THAT MECHANICAL EQUIPMENT VENTING TO HAVE POSITIVE RELIEGE FLUO TO ROOF. VENT AND FLEE IS SECURED TO ORIGINAL HEIGHT AND ALL CONNECTIONS ARE TIGHT AND SECURE.
13. ANY METAL SPONG ETC. THAT NEEDS TO BE REMOVED TO COMPLETE THIS JOB IS TO BE PART OF THE CONTRACT. CARE MUST BE TAKEN TO ENSURE THAT ALL ITEMS TO BE REINSTALLED ARE NOT DAMAGED DURING REMOVAL AND/OR INSTALLATION. ALL PIECES THAT ARE DAMAGED WILL BE REPLACED BY CONTRACTOR.
14. PROTECT EXISTING ROOF TOP 4" WALL MOUNTED EQUIPMENT. ANY DAMAGE WILL BE REPAIRED BACK TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.

**DESIGN TEAM**

**McNEIL GROUP**  
 6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
 TEL: (801) 255-7700 FAX: (801) 255-8071

**SHEET INDEX**

SHEET NO.	SHEET TITLE
G100	CORNER SHEET
G101	GENERAL NOTES AND INFORMATION
G101	SITE PLAN
A101	ROOF PLAN
A501	MISCELLANEOUS DETAIL SHEET

**ABBREVIATIONS**

AC	AIR CONDITIONING	IE	INVERT ELEVATION
BC	BAR/CAPE	IR	IRRIGATION
BAC	BENCHMARK	LE	LINEAR FEET
BY	BLACK OF WALK	LIP	LIP OF CURB
BDU	BENCHMARE	MB	MASONRY
CP	CONTROL POINT	MIN	MINIMUM
CI	CURB	MON	MONUMENT
CI-YD	CURB YARD	NG	NORTH
CO	CONCRETE	N	NATURAL GROUND
CONC	CONCRETE	NOTE	SEE NOTE
CONSTR	CONSTRUCTION	NTS	NOT TO SCALE
CRP	CORROGATED METAL PIPE	OG	ORIGINAL GROUND
DIA. of	DIAMETER	ORIG	POINT OF CURVATURE
E	EAST	PC	POINT OF CURVATURE
EDA	EDGE OF ASPHALT	PI	POINT OF INTERSECTION
ECC	EDGE OF CONCRETE	PIR	POINT OF REVERSE CURVE
ELEV	ELEVATION	PT	POINT OF TANGENCY
EX	EXISTING	FOC	POINT OF CONNECTION
FEE	FINISHED E.CORE ELEVATION	FLR	FLOOR
FG	FINISHED GRADE	P	PROPERTY LINE
FT	FEET	PVC	POLYVINYL CHLORIDE PIPE
FL	FLOW LINE	R	RANGE
FRONT OF WALK		RCP	REINFORCED CONCRETE PIPE
GP	GRADE BREAK	RND	ROUND
HDFE	HIGH DENSITY POLYETHYLENE	UNO	UNDER OTHER USE
HU	HIGHWAY	UV	UNDER VALVE
		W	WATER
		WEST	WEST

**DFCM DESIGN AND CODE CRITERIA**

**APPLICABLE CODES**

INTERNATIONAL BUILDING CODE	YEAR	NATIONAL ELECTRICAL CODE	YEAR
INTERNATIONAL MECHANICAL CODE	2006	INTERNATIONAL CODE FOR BUILDING CONSERVATION	N/A
INTERNATIONAL FIRE CODE	2006	ADA ACCESSIBILITY	N/A
INTERNATIONAL ENERGY CONSERVATION CODE	2006	GUIDELINES	N/A

- A. OCCUPANCY AND GROUP TYPE B
- CHANGE IN USE: YES  NO  MIXED OCCUPANCY: YES  NO
- SPECIAL USE AND OCCUPANCY (e.g. HIGH RISE, COVERED WALKWAY, N/A
- B. SEISMIC DESIGN CATEGORY: 0 DESIGN WIND SPEED: 90 MPH
- C. TYPE OF CONSTRUCTION (CIRCLE ONE):  

I	II	III	IV	V
A	B	A	B	A
				B
- D. FIRE RESISTANT RATING REQUIREMENTS FOR THE EXTERIOR WALLS BASED ON THE FIRE SEPARATION DISTANCE (IN HOURS)  

NORTH	0	SOUTH	0	EAST	0	WEST	N/A
-------	---	-------	---	------	---	------	-----
- E. MIXED OCCUPANCIES: NONSEPARATED USES
- F. SHRINKERS: NONE NONSEPARATED USES N/A  
 REQUIRED: N/A PROVIDED: N/A TYPE OF SHRINKER: 9" ST1" N/A
- G. NUMBER OF STORES: 1 BUILDING HEIGHT: 14.6'  
 BLDG. A: 15961  
 BLDG. B: 13200  
 BLDG. C: 6293  
 BLDG. D: 14291
- H. ACTUAL AREA PER FLOOR (SQUARE FEET): BLDG. A: 15961  
 BLDG. B: 13200  
 BLDG. C: 6293  
 BLDG. D: 14291
- I. TABLES AREA: 3000 SF (PER BLDG.)  
 AREA MODIFICATIONS:  
 a) A<sub>2</sub> = A<sub>1</sub> [A<sub>1</sub> / A<sub>2</sub>]<sup>2</sup> = 141  
 b) 100' F<sub>1</sub> = 0.25 U  
 BLDG. A: [3000/6] = 500 SF ALLOWABLE  
 BLDG. B: [3000/2] = 1500 SF ALLOWABLE  
 BLDG. C: [3000/6] = 500 SF ALLOWABLE  
 BLDG. D: [3000/2] = 1500 SF ALLOWABLE
- J. NO MIXED OCCUPANCIES
- K. FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS):  
 C) TOTAL ALLOWABLE AREA FOR:  
 1) ONE STORY: 51360 SF  
 2) TWO STORY: 41712 N/A  
 3) THREE STORY: 41712 N/A  
 d) UNLIMITED AREA BUILDING: YES  NO  CODE SECTION: 507

ELEMENT	HOURS	AREA	ELEMENT	HOURS	AREA
EXTERIOR BEARING WALLS	0	-	FLOORS - CEILING FLOORS	0	-
EXTERIOR NON-BEARING WALLS	0	-	ROOFS - CEILING ROOFS	0	-
STRUCTURAL FRAME	0	-	EXTERIOR DOORS AND WINDOWS	0	-
PARTITIONS - PERMANENT	0	-	GLASS ENCLAVES	0	-
FIRE BARRIERS	2	-	FIRE WALLS	0	-
			SMOKE PARTITIONS	0	-
				N/A	-

- L. DESIGN OCCUPANT LOAD: 4x60 BLDG. C=480 TOTAL = 380 OCCUPANTS  
 EXIT WIDTH PROVIDED: N/A
- M. MINIMUM NUMBER OF REQUIRED FLYING FACILITIES: N/A FOR WORK TO BE PERFORMED  
 a) LIFTING DEVICES - REQUIRED (a) XX (f) XX PROVIDED (a) XX (f) XX  
 b) LIFTATORS - REQUIRED (a) XX (f) XX PROVIDED (a) XX (f) XX  
 c) BATH TUBS OR SHOWERS - XX  
 d) DRINKING FOUNTAINS - XX SERVICE SINKS - XX
- FOOTNOTES:  
 1) IN CASE OF CONFLICT WITH THE U.S. DEPARTMENT OF JUSTICE FEDERAL REGISTERS PART I TABLE V - ADA GUIDELINES AND PRECISE 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) AIRWAYS  
 c) REFERENCED BASED CRITERIA  
 d) REFERENCED BASED CRITERIA  
 e) REFERENCED BASED CRITERIA  
 f) EXTERIOR AND INTERIOR ACCESSIBILITY ROUTE  
 g) FIRE STOPPING INCLUDING TESTED DESIGN NUMBER

**McNEIL GROUP**  
 Designing for the Future Since 1983  
 6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
 TEL. (801) 255-7700 FAX (801) 255-8071  
 E-MAIL: info@mcneileng.com WEB SITE AT www.mcneil-group.com

**WOLVERINE SERVICE CENTER**  
**UTAH VALLEY UNIVERSITY**  
 DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT  
 800 WEST UNIVERSITY PARKWAY  
 OREM, UTAH

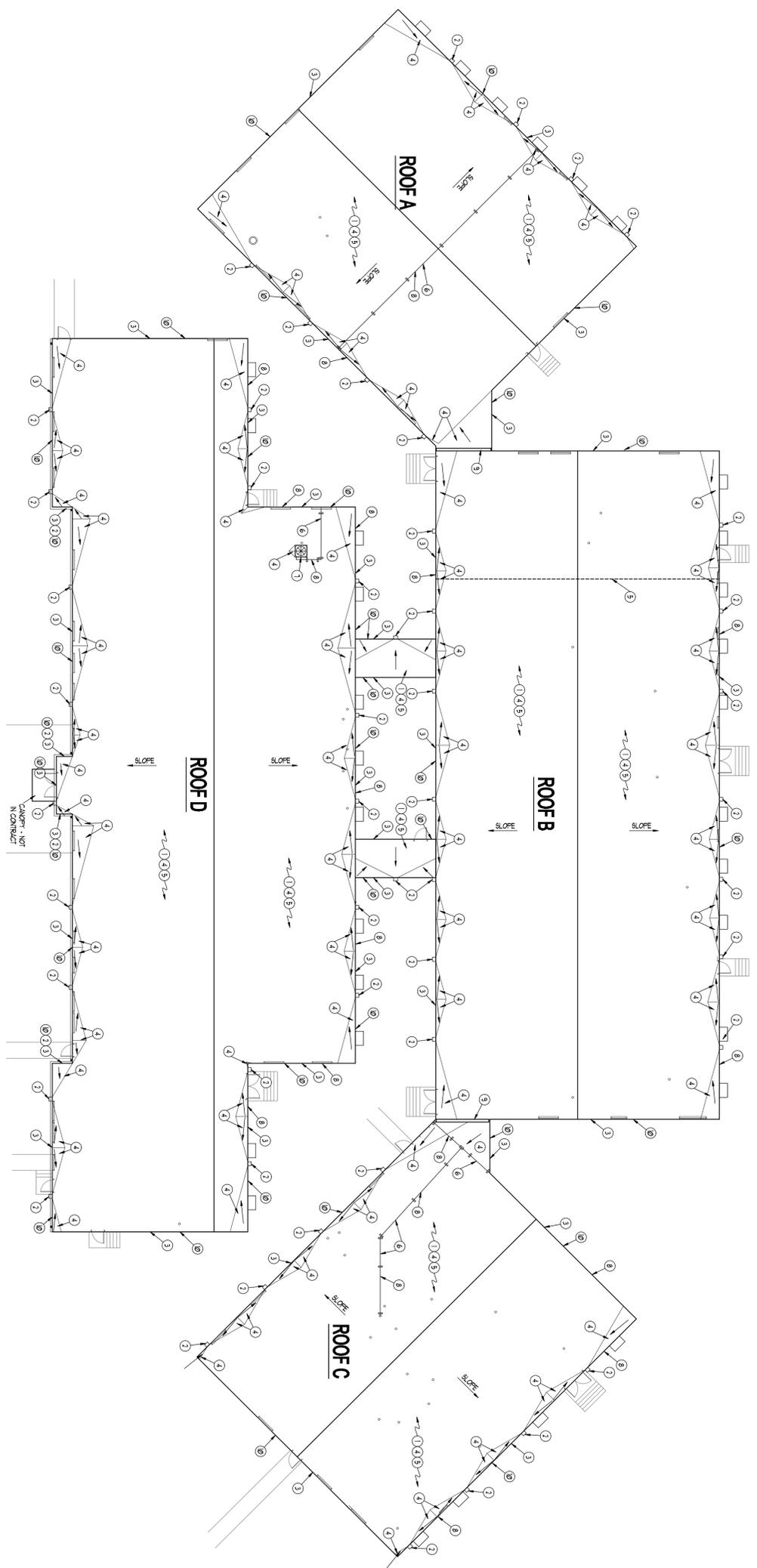
**REVISIONS**

NO.	DATE	DESCRIPTION
1	7/1/09	See Addendum 1

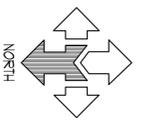
**PROJECT NO. 290199**  
**CLIENT: NMD**  
**DATE: JUNE 2009**

**GENERAL NOTES AND INFORMATION**

**G101**  
 SHEET 2 OF 5



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

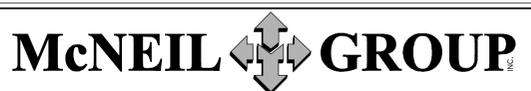


**SCOPE OF WORK:**

- 1 COMPLETELY TEAR OFF EXISTING ROOFING SYSTEM & FIBERBOARD DOWN TO FL TIPOOD SHEATHING. CHECK FL TIPOOD FOR DAMAGE AND REPLACE IF REQUIRED. CONTACT ENGINEER IF ANY DAMAGED FL TIPOOD IS DISCOVERED DURING HEREBY REMOVAL.
- 2 REMOVE EXISTING DOWNPOUTS AND GUTTERS ALONG NORTH ROOF. GUTTERS ARE TO BE CUT INTO 20'-0" LENGTHS AND SALVAGED TO OWNER. INSTALL NEW DOWNPOUTS AND LEADER BOXES AT ALL MARKED LOCATIONS. COLOR BY OWNER. SEE DETAILS A & B/AS/01 NOTE: SMALL GUTTERS OVER DOORWAYS ARE TO BE LEFT IN PLACE WHENEVER POSSIBLE.
- 3 INSTALL NEW 3/8" FIRE TREATED NAILER/POW WALL ON ALL EDGES SEE DETAILS D, E, J, K & L/AS/01. NOTE: INSIDE AND OUTSIDE OF ALL POWY WALLS TO BE UNRAISED IN 1/2" FL TIPOOD.
- 4 INSTALL (2) LAYERS OF 2" POLYISOCYANURATE INSULATION OVER ALL ROOF AREAS. OVERLAY THIS WITH 1/4" PER FOOT SLOPE TAPERED INSULATION CRACKS BETWEEN SOFFITS AND BEHIND ANY MECHANICAL UNITS. OVERLAY ALL INSULATION WITH 1/2" DENSDECK OR APPROVED EQUAL TO PROVIDE A CLASS A FIRE RATING. NOTE: CONTRACTORS ARE TO GIVE AN ADDITIONAL ALTERNATE PRICE FOR INSTALLING (2) LAYERS OF 2" POLYISOCYANURATE INSULATION IN LEU OF THE (2) LAYERS OF 2" INSULATION.
- 5 INSTALL NEW FULLY ADHERED EPDM ROOF SYSTEM PER SPECIFICATION INCLUDING ALL FLASHINGS. INSTALL ADDITIONAL TAPERED INSULATION AS REQUIRED AT ALL BUILDING JOINTS TO PROVIDE A SMOOTH TRANSITION. ALL DETAILS TO MEET MANUFACTURERS RECOMMENDATIONS.
- 6 INSTALL NEW VINYL BLOCKS OR APPROVED EQUAL BENEATH CONDURTS AND GAS PIPE LINES. SEE DETAIL C/AS/01
- 7 INSTALL NEW 24 GA. METAL CAPS ON ALL HVAC UNIT CURBS. SEE DETAIL K/AS/01. EXISTING CURBS TO BE RAISED TO GIVE PROPER FLASHING HEIGHT.
- 8 ALL GAS LINES ARE TO BE RAISED AS NECESSARY TO REMOVE OLD ROOF AND INSTALL NEW ROOFING SYSTEM. JOG GAS PIPE OVER CONNECTING WALLS OVER NEW PARAPET WALLS. NEW SUPPORT BLOCKS ARE TO BE INSTALLED WHEN ROOFING WORK IS COMPLETED AND PAINTED AT THE COMPLETION OF THE ROOF INSTALLATION. RE-FASTEN GAS LINE TO BUILDING WITH CODE COMPLIANT CLIPS & FASTENERS. THE WALL MOUNTED LINES ARE TO BE CLIPPED AT A MINIMUM OF 5'-0" O.C. IF THE GAS LINE HAS TO BE DISCONNECTED EXTENDED, TOVED OR RAISED THIS IS TO BE DONE AS PART OF THIS CONTRACT. ALL LINES ARE TO BE RE-CONNECTED AND CHECKED FOR LEAKS WHEN ALL WORK IS FINISHED.
- 9 REMOVE METAL PARAPET WALL CAP AND REPLACE WITH NEW 24 GA. PRE-FINISHED METAL CAP. COLOR BY OWNER. SEE DETAIL J/AS/01.
- 10 INSTALL NEW 24 GA. PRE-FINISHED METAL SOFFIT, FASCIA, AND DRIP EDGE ALONG ALL ROOF EDGES.

**WOLVERINE SERVICE CENTER  
UTAH VALLEY UNIVERSITY**

**DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT**  
800 WEST UNIVERSITY PARKWAY  
OREM, UTAH

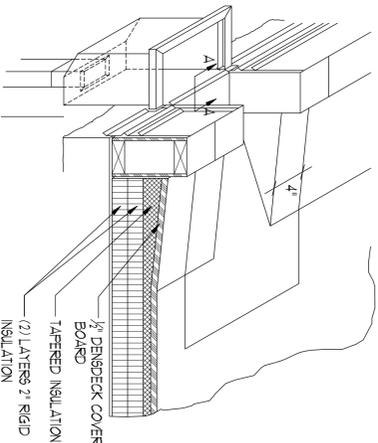


*Designing for the Future Since 1983*  
6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
TEL. (801) 255-7700 FAX (801) 255-8071  
E-MAIL info@mcneileng.com WEB SITE AT www.mcneil-group.com

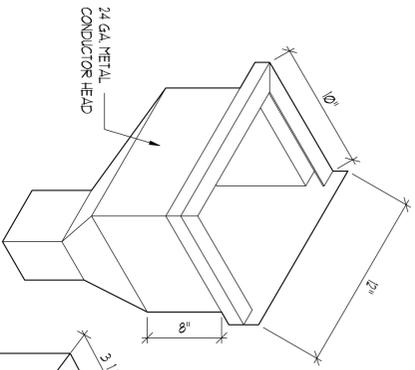
NO.	DATE	REVISIONS
1	7/1/09	See Addendum 1

PROJECT NO.	290199
CLIENT FILE	290199-4.dwg
DATE	N/A
DESIGNED BY	DLS
CHECKED BY	DLS
DATE	JUNE 2009

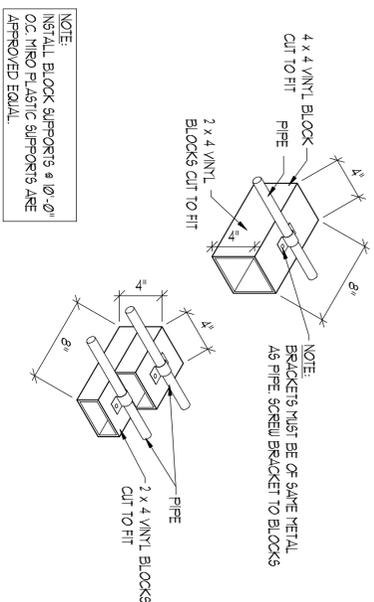
**ROOF PLAN**  
SHEET TITLE  
**A1.01**  
SHEET 4 OF 5



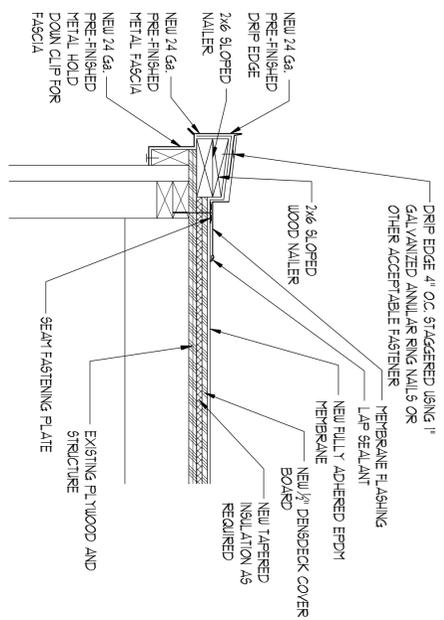
**SCUPPER W/ CONDUCTOR HEAD**  
SCALE: N.T.S.



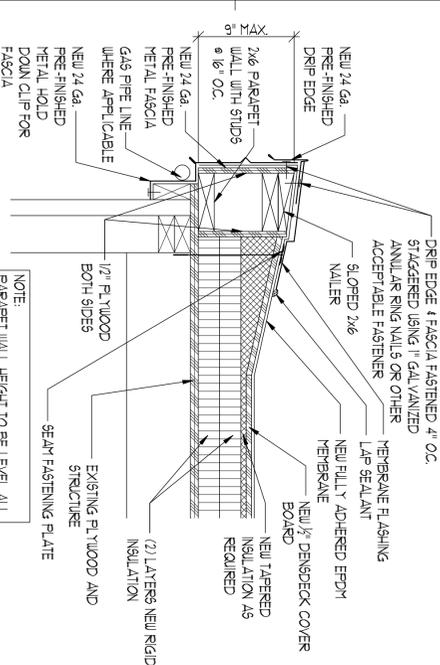
**CONDUCTOR HEAD & DOWNSPOUT**  
SCALE: N.T.S.



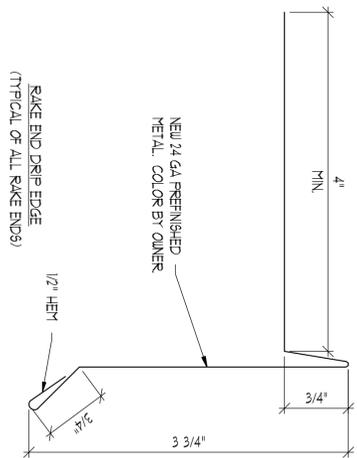
**VINYL CONDUIT BLOCK DETAILS**  
SCALE: N.T.S.



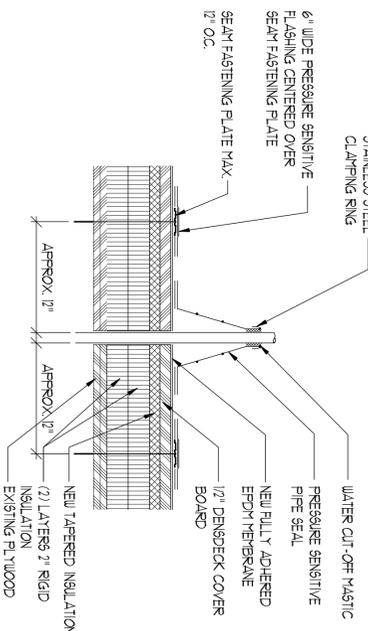
**EDGE DETAIL @ CONNECTING HALLWAYS**  
SCALE: 1/2" = 1'-0"



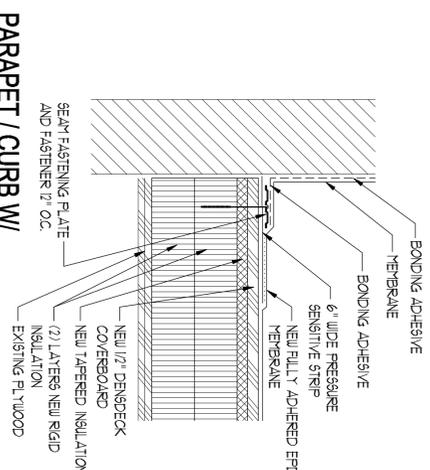
**EDGE DETAIL**  
SCALE: 1/2" = 1'-0"



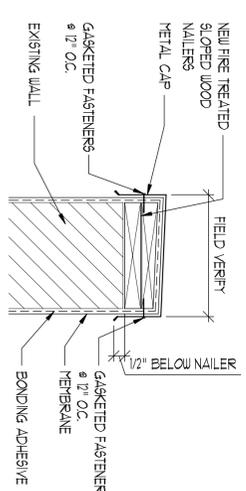
**STANDARD DRIP EDGE DETAIL**  
SCALE: FULL



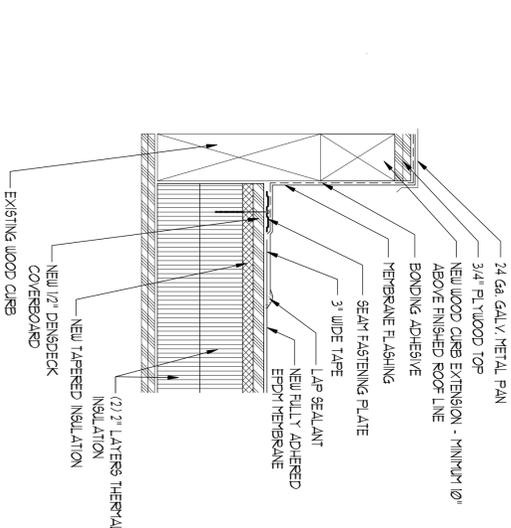
**VENT PIPE FLASHING**  
SCALE: N.T.S.



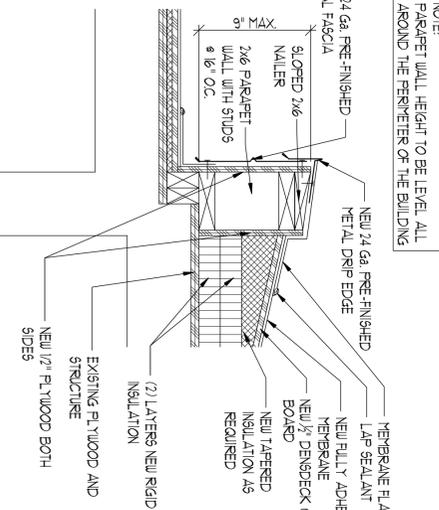
**PARAPET / CURB W/ PRESSURE-SENSITIVE STRIP**  
SCALE: 3/4" = 1'-0"



**PARAPET CAP DETAIL**  
SCALE: 1/2" = 1'-0"



**CURB FLASHING @ MECH. UNIT**  
SCALE: N.T.S.



**TRANSITION DETAIL**  
SCALE: 1/2" = 1'-0"

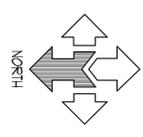
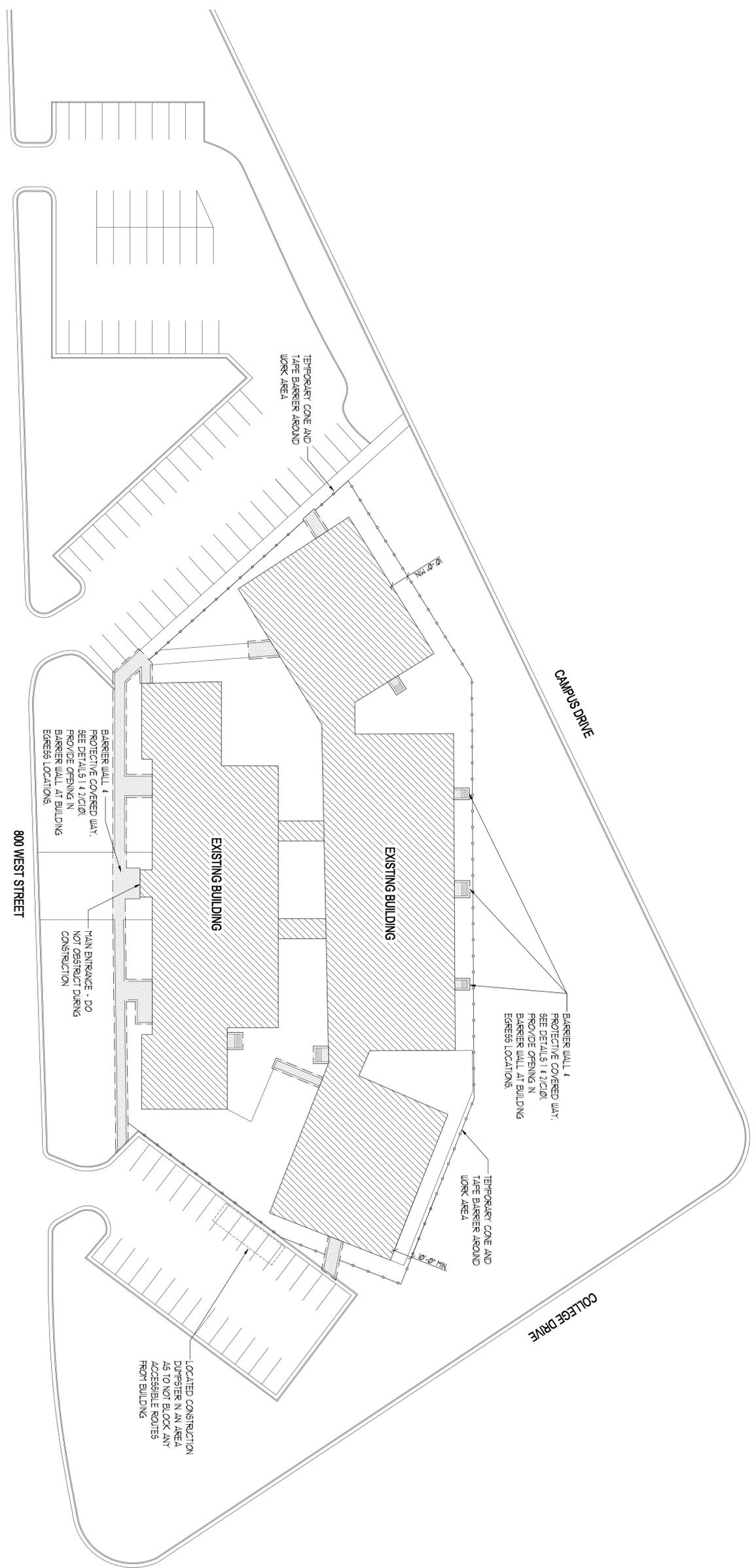
**McNEIL GROUP**  
Designing for the Future Since 1983  
6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
TEL. (801) 255-7700 FAX (801) 255-8071  
E-MAIL info@mcnelleng.com WEB SITE AT www.mcnell-group.com

**WOLVERINE SERVICE CENTER**  
**UTAH VALLEY UNIVERSITY**  
**DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT**  
800 WEST UNIVERSITY PARKWAY  
OREM, UTAH

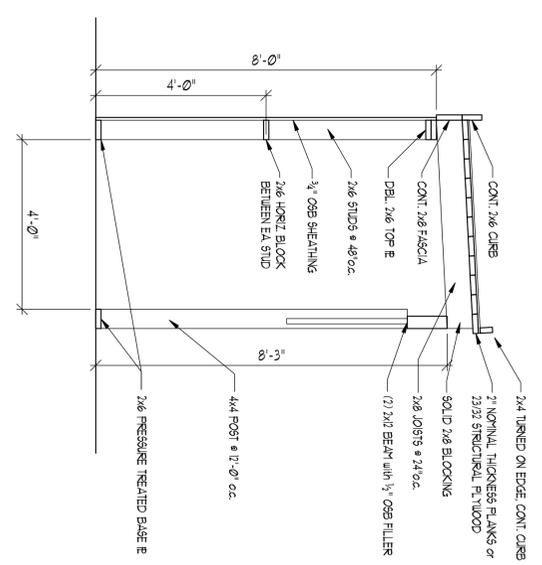
NO.	DATE	REVISIONS
1	7/1/09	See Addendum 1

PROJECT NO.	290199
CAD FILE	290199-4.dwg
DRAWN BY	NMD
PROJECT NO.	09080790
DESIGNED BY	DLS
CHECKED BY	DLS
DATE	JUNE 2009

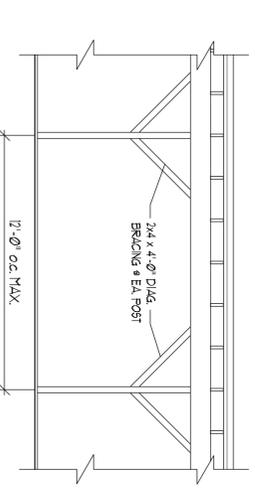
**501**  
SHEET 5 OF 5  
**DETAILS**



**SITE PLAN**  
SCALE: N.T.S.



**COVERED WAY & BARRIER SECTION**  
SCALE: 1/4" = 1'-0"



**PARTIAL COVERED WAY ELEVATION**  
SCALE: 1/4" = 1'-0"

NO.	DATE	REVISIONS
1	7/1/09	See Addendum 1

**WOLVERINE SERVICE CENTER  
UTAH VALLEY UNIVERSITY**

**DIVISION OF FACILITIES CONSTRUCTION & MANAGEMENT**  
800 WEST UNIVERSITY PARKWAY  
OREM, UTAH

PROJECT NO.	290199
CAD DWG. FILE	290199-rpl.dwg
DRAWN BY:	NMD
PER. PROJECT NO.	09080790
DESIGNED BY:	DLS
CHECKED BY:	DLS
DATE:	JUNE 2009

**McNEIL GROUP**

*Designing for the Future Since 1983*

6895 SOUTH 900 EAST MIDVALE, UTAH 84047  
TEL. (801) 255-7700 FAX (801) 255-8071  
E-MAIL: info@mcneileng.com WEB SITE AT www.mcneil-group.com