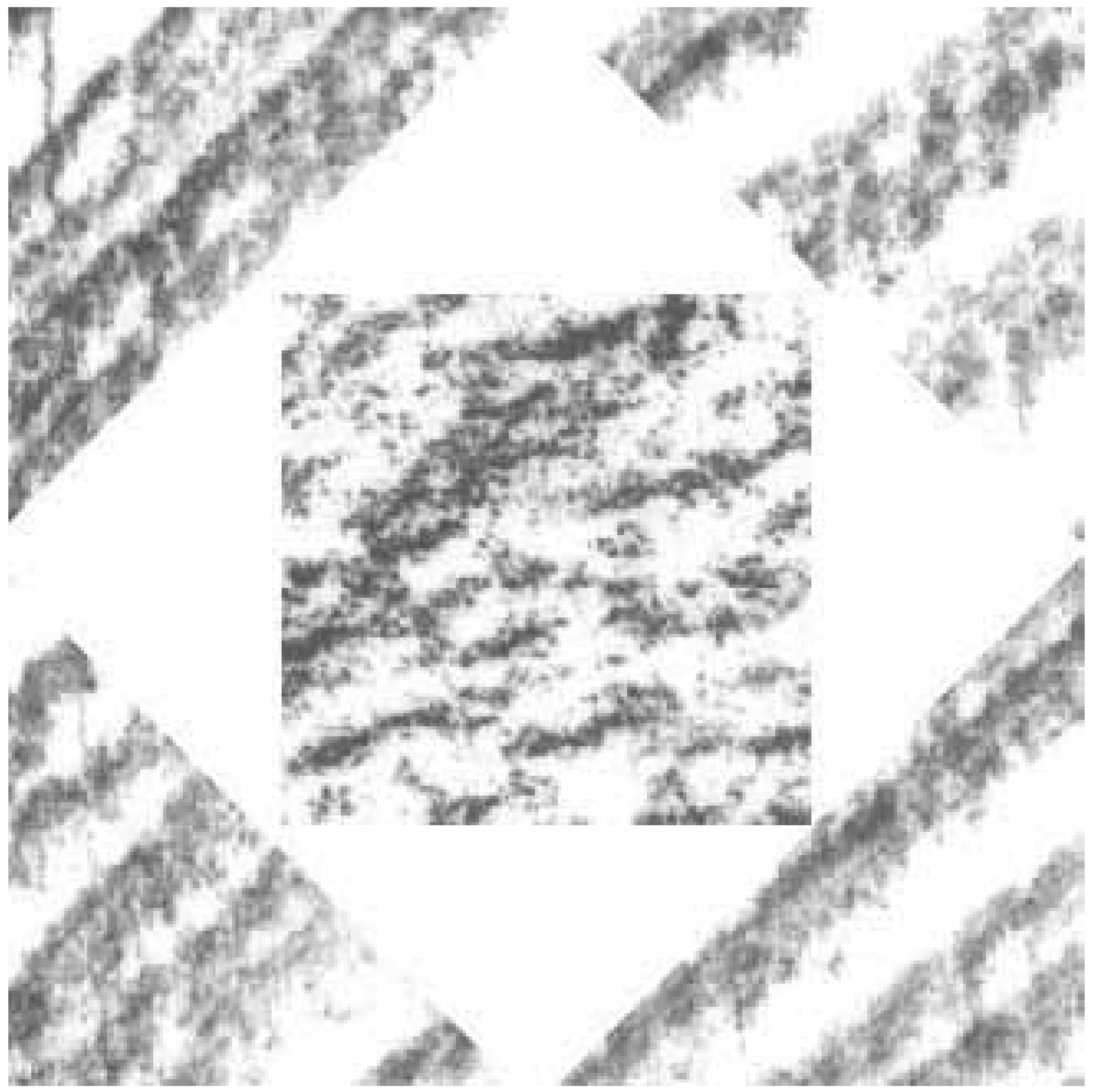
DAVIS ATC COOLING LOOP & PIPE STAND REPLACEMENT



Davis Applied Technology College
Kaysville, Utah

State of Utah–Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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

GENERAL ABBREVIATIONS

ACT.	ACCOUSTIC CEILING TILE
ALT.	ALTERNATE
ALUM.	ALUMINUM
A.B.	ANCHOR BOLT
&	AND
ARCH.	ARCHITECTURAL
@	AT OR AT THE
BM.	BEAM
BLK.	BLOCK
BLKG.	BLOCKING
BD.	BOARD
BOT.	BOTTOM
BLDG.	BUILDING
CPT.	CARPET
CLKG.	CAULKING
C.I.	CAST IRON
CLG.	CEILING
CEM.	CEMENT
CTR.	CENTER
CL	CENTER LINE
CER.	CERAMIC
C.T.	CERAMIC TILE
CLR.	CLEAR (ANCE)
CLO.	CLOSET
COL.	COLUMN
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CMP	CORRUGATED METAL PIPE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUE/CONTINUOUS
CONTR.	CONTRACTOR
C.J.	CONTROL JOINT
CORR.	CORRIDOR
CNTR.	COUNTER
CTSK.	COUNTERSUNK
DET.	DETAIL
DEPT.	DEPARTMENT
DIA.	DIAMETER
DIM.	DIMENSION
DN.	DOWN
D.S.	DOWNSPOUT
DWG.	DRAWING
D.F.	DRINKING FOUNTAIN
E.	EAST
EA.	EACH
ELEC.	ELECTRIC (AL)
ELEV./EL.	
EXIST.	EXISTING
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXIST.	EXISTING
EXP.	EXPANSION
EXT.	EXTERIOR
FIN.	FINISH
F.A.	FIRE ALARM
F.E.	FIRE EXTINGUISER
F.E.C.	F.E. CABINET
FLR./FL.	FLOOR
F.D.	FLOOR DRAIN
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
FTG.	FOOTING
FDN.	FOUNDATION
F.F.	FINISH FLOOR
GALV	GALVANIZED
G.I.	GALVANIZED IRON
GA.	GAUGE
GL.	GLASS
GR.	GRADE
GND.	GROUND
GYP. BD.	GYPSUM BOARD
GWB	GYPSUM WATERPROOF BOARD
H.D.P.E.	HIGH DENSITY POLYETHYLENE
HG#	HARDWARE GROUP #
HDWD.	HARDWOOD
HT.	HEIGHT
H.P.	HIGH POINT
HORIZ.	HORIZONTAL
H.B.	HOSE BIBB
H.M.	HOLLOW METAL
HR.	HOURS (FIRE RATING)
IN.	INCH
I.D.	INSIDE DIAMETER
INSUL.	INSULATION
INT.	INTERIOR
I.E.	INVERT ELEVATION
INV.	
JAN.	JANITOR
JT.	JOINT
J-BOX	JUNCTION BOX
KIT.	KITCHEN
LAM.	LAMINATE
LAV.	LAVATORY
LT.	LIGHT
L.P.	LOW POINT
MATL.	MATERIAL
MAS.	MASONRY
MAINT.	MAINTENANCE
MFR.	MANUFACTURER
M.H.	MANHOLE
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MEN	MEN'S TOILET
MTL./MET.	METAL
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MTD.	MOUNTED
MUL.	MULLION
NOM.	NOMINAL
N.	NORTH
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
OR #	ORDINATE NUMBER
OFF.	OFFICE
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
OPP. H.	OPPOSITE HAND
O.D.	OUTSIDE DIAMETER
O.R.D.	OVERFLOW ROOF DRAIN
PTD. -E	PAINTED EPOXY
PTD.	PAINTED
PR.	PAIR
PART.	PARTITION
PED.	PEDESTRIAN
PLAS.	PLASTER
P. LAM.	PLASTIC LAMINATE
PL	PLATE
PLYWD.	PLYWOOD
PT.	POINT
Q.T.	QUARRY TILE
RAD.	RADIUS
R.B.	RUBBER BASE
R.W.L.	RAIN WATER LEADER
R.F.F.	REFERENCE FINISH FLOOR
REFL.	REFLECTED
REINF.	REINFORCING
REQ.	REQUIRED
RET.	RETAINING
REV.	REVISED
R.	RISER
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULE
SEAL.	SEALANT
SECT.	SECTION
S.SK.	SERVICE SINK
SHT.	SHEET
SIM.	SIMILAR
SL./SLP.	SLOPE
S.C.	SOLID CORE
SPEC.	SPECIFICATIONS
SQ.	SQUARE
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT	STRUCTURAL/STRUCTURE
SYM.	SYMMETRICAL
T.B.R.	TO BE REMOVED
TEL.	TELEPHONE
TEMP.	TEMPORARY / TEMPERED
THK.	THICK (NESS)
T & G	TONGUE AND GROOVE
T/CONC	TOP OF CONCRETE
T/CURB	TOP OF CURB
T.O. FTG.	TOP OF FOOTING
T.O.P.	TOP OF PLATE
T/WALL	TOP OF WALL
T.	TREAD
TYP.	TYPICAL
UNF.	UNFINISHED
U.N.O.	UNLESS NOTED OTHERWISE
VAR.	VARY OR VARIES
VERT.	VERTICAL
V.T.R.	VENT THROUGH ROOF
VCT	VINYL COMPOSITION TILE
W/	WITH
W.A.S.	WELDED ANCHOR STUD
WD.	WOOD
WP.	WATERPROOF
WSCT.	WAINSCOT
W/O	WITHOUT
W.P.	WORKING POINT
W.R.	WATER RESISTANT
W.I.	WROUGHT IRON

MATERIALS LEGEND

EARTH	GRAVEL
SAND	CONCRETE
CONCRETE W/ ARCH. FINISH	CAST STONE
CMU	MARBLE
BRICK	GRANITE
LIMESTONE	STONE
WOOD (BLOCKING)	PLYWOOD
WOOD FRAMING	WOOD FINISH
STEEL	ALUMINUM
RIGID INSULATION	BATT INSULATION
PLASTER	ACOUSTICAL TILE
COMPRESSIBLE FILLER	BACKER ROD AND FILLER
METAL LATH	GYPSUM BOARD
FENCE	TO REMOVE

GRAPHIC SYMBOLS

DTL# / SHT# — BLDG. ELEV. SYMB.	RM NAME / RM# / F/B W/W — RM. NAME/NUMB, RM. FINISH SYMB.
DTL# / SHT# — BLDG. SECT. SYMB.	FIN ELEV — CEIL. FINISH/ELEV. SYMB.
DTL# / SHT# — WALL SECT. SYMB.	DTL# / SHT# — DETAIL REF. SYMB.
# — KEYED NOTE SYMB.	N / W / E / S, DTL# / SHT# — INTR. ELEV. SYMB.
T.O. ELEV — DATUM PT. SYMB.	DR# / HW# — DOOR/HDWR. SYMB.
ELEV — SPOT ELEV. SYMB.	REF# — WINDOW SYMB.

DRAWING INDEX

ARCHITECTURAL DRAWINGS

GI100	TITLE SHEET, GENERAL INFO, & SHEET INDEX
AE101	FIRST FLOOR PLAN
AE111	FIRST FLOOR REFLECTED CEILING PLAN
AE401	INTERIOR ELEVATION & CASEWORK DETAILS
AE501	CEILING & MISC. DETAILS
AE601	DOOR SCHEDULE, DOOR & WINDOW DETAILS

STRUCTURAL DRAWINGS

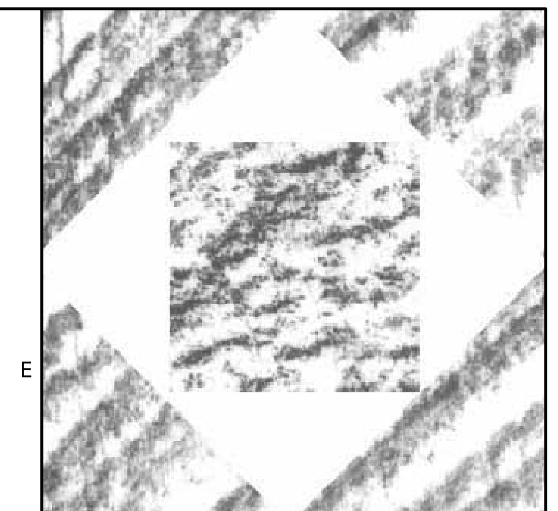
PROJECT DIRECTORY

ARCHITECT
HFS ARCHITECTS
1484 South State Street
Salt Lake City, Utah 84115
801-596-0691/FAX-596-0693

STRUCTURAL ENGINEER
WCA ENGINEERS
442 North Main Street
Bountiful, Utah 84010
801-298-1118/FAX-298-1122

MECHANICAL ENGINEER
VAN BOERUM & FRANK ASSOCIATES
330 South 300 East
Salt Lake City, Utah 84111
801-530-3148/FAX-530-3150

VINICITY MAP



HFS*Architects*
ARCHITECTURE
INTERIORS
PLANNING
1484 South State Street
Salt Lake City, Utah 84115
801-596-0691/F: 596-0693
www.hfsa.com

CONSULTANT

DAVIS ATC COOLING LOOP & PIPE STAND REPLACEMENT

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Kaysville, Utah

MARK	DATE	DESCRIPTION

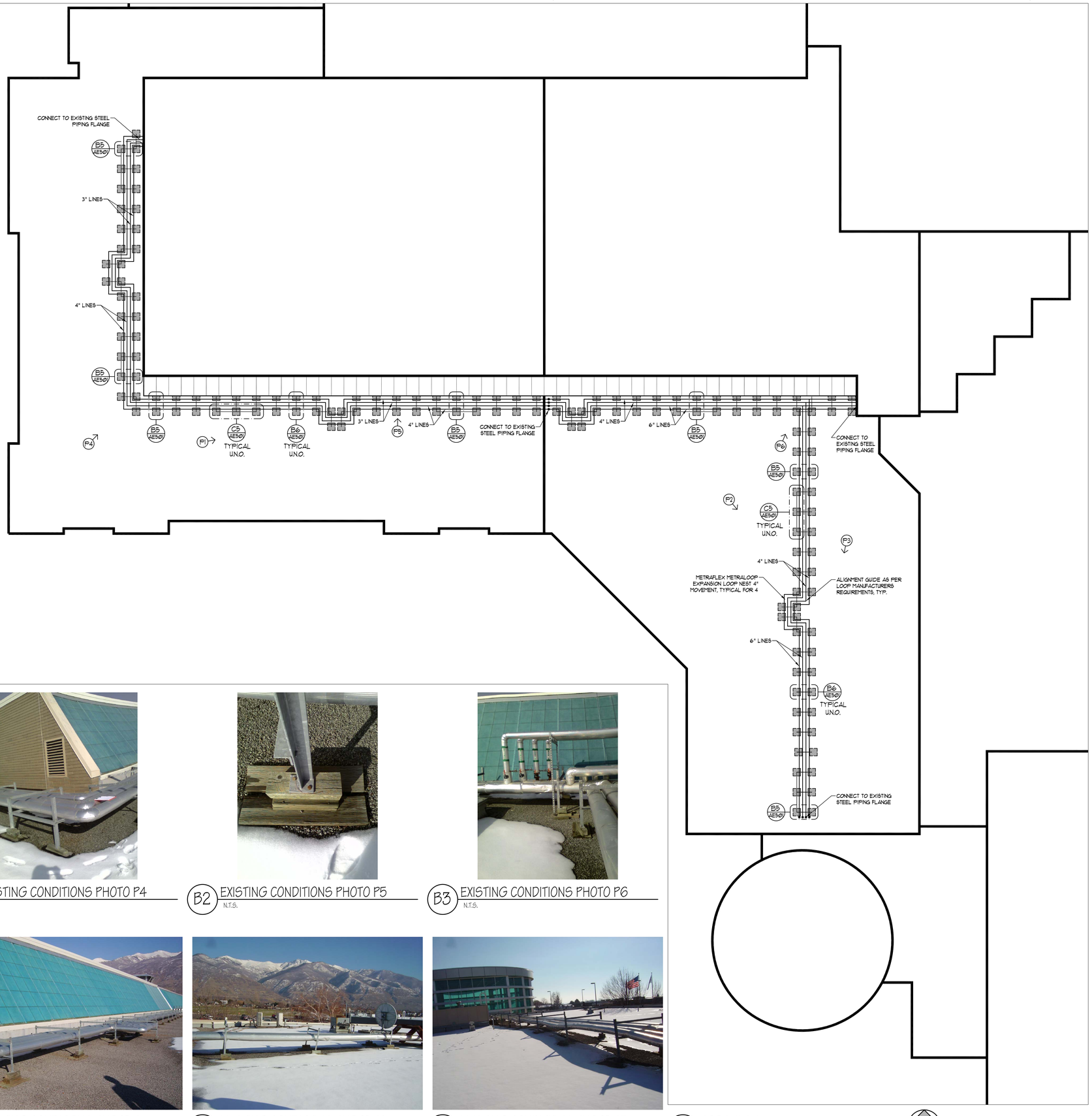
DATE:	31 JANUARY 2007
DFCM PROJECT NO:	07004220
HFSA PROJECT NO:	0702.01
CAD DWG FILE NO:	
DRAWN BY:	RLS
CHECKED BY:	BWS
DESIGNED BY:	RLS
DWG TYPE:	ARCHITECTURAL
ARCHITECTURAL PHASE:	CONSTRUCTION BID DOCUMENTS

SHEET TITLE

COVER SHEET, GENERAL INFO, & SHEET INDEX

GI100

SHEET 1 OF 3



A4 ROOF PLAN
SCALE: 1/16"=1'-0"

B1 EXISTING CONDITIONS PHOTO P4
N.T.S.

B2 EXISTING CONDITIONS PHOTO P5
N.T.S.

B3 EXISTING CONDITIONS PHOTO P6
N.T.S.

A1 EXISTING CONDITIONS PHOTO P1
N.T.S.

A2 EXISTING CONDITIONS PHOTO P2
N.T.S.

A3 EXISTING CONDITIONS PHOTO P3
N.T.S.

GENERAL NOTES

1. ALL DIMENSIONS & EXISTING CONDITIONS IN AREAS OF WORK ARE TO BE FIELD VERIFIED PRIOR TO COMMENCING WORK. - ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT OR ENGINEER OF RECORD PRIOR TO COMMENCING WORK.

2. PROTECT ALL AREAS & SURFACES ADJACENT TO DEMOLITION & CONSTRUCTION. PATCH & REPAIR ANY DAMAGE RESULTING FROM THE DEMOLTION OF EXISTING ITEMS OR THE CONSTRUCTION OF NEW ITEMS.

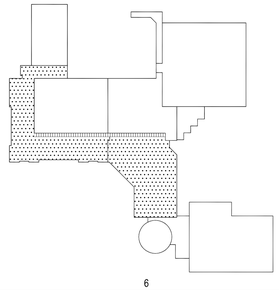
3. NOTED AREAS INDICATED THE GENERAL EXTENT OF DEMOLITON. THE CONTRACTOR'S CHOICE OF MEANS & METHODS OF CONSTRUCTION MAY REQUIRE MORE OR LESS DEMOLITION. THE MEANS & METHODS OF DEMOLITION & CONSTRUCTION MUST BE ACCOUNTED FOR IN THE CONTRACTORS BID. ANY DEMOLITION & REPAIR TO ADJACENT SURFACES BEYOND THE AREAS INDICATED IN THE CONTRACT DOCUMENTS WILL NOT BE COMPENSATED FOR AFTER THE BID OPENING.

4. 72-HOUR NOTICE IS REQUIRED FOR ANY UTILITY SHUT DOWN.

5. ALL EXISTING PVC PIPING, INSULATION & ALUMINUM JACKETS SHOWN ARE TO BE CAREFULLY DEMOLISHED & REMOVED FROM THE SITE.

6. ALL EXISTING ANGLE IRON PIPE SUPPORTS (66 EACH - FIELD VERIFY) ARE TO BE REMOVED AND MODIFIED, SEE DETAILS B5, B6, C5, & C6. REINSTALL MODIFIED SUPPORTS AT 8'-0" O.C. TYPICAL, U.N.O. FABRICATE 18 NEW SUPPORTS TO MATCH EXISTING. FIELD VERIFY THE TOTAL NUMBER OF SUPPORTS REQUIRED FOR 8'-0" O.C. SPACING.

KEY PLAN



HFSArchitects
ARCHITECTURE
INTERIORS
PLANNING
1484 South State Street
Salt Lake City, Utah 84115
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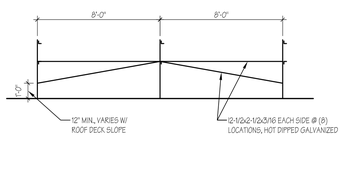
ARCHITECTURAL PHASE:	CONSTRUCTION BID DOCUMENTS

SHEET TITLE

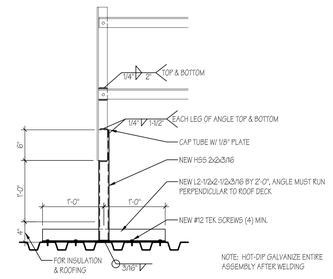
ROOF PLAN

AE201

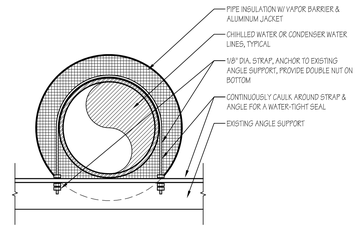
SHEET 2 OF 3



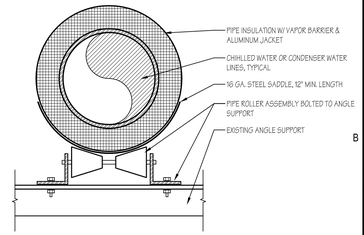
C5 PIPE ANCHOR DETAIL
SCALE: 3"=1'-0"



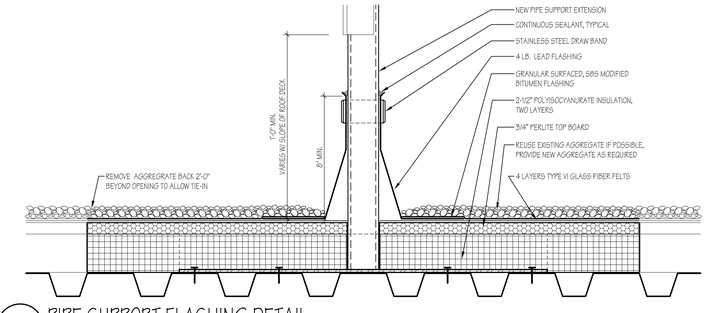
C6 EXTENSION STRUCTURAL DETAIL
SCALE: 1"=1'-0"



B5 PIPE ANCHOR DETAIL
SCALE: 3"=1'-0"



B6 PIPE ROLLER DETAIL
SCALE: 3"=1'-0"



A5 PIPE SUPPORT FLASHING DETAIL
SCALE: 3"=1'-0"

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ARCHITECTURE
INTERIORS
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1484 South State Street
Salt Lake City, Utah 84115
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SHEET TITLE

DETAILS

AE501

SHEET 3 OF 3