UTAH VALLEY STATE COLLEGE GUNTHER TRADES DANCE STUDIO IMPROVEMENTS

OREM, UTAH

DFCM PROJECT NO. 08321790

State of Utah– Department of Administrative Services

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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

March 31st, 2009

State of Utah
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STATE OF UTAH 261110 LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

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SHEET TITLE

COVER SHEET

SHEET NUMBER

A-G1000

UTAH VALLEY STATE COLLEGE GUNTHER TRADES DANCE STUDIO IMPROVEMENTS

OREM, UTAH

DFCM PROJECT NO. 08321790

ABBREVIATIONS

Reference to materials or methods have been made on the drawings in accordance with the following abbreviations:

#	NUMBER	GWB.	GYPSUM WALL BOARD
'	FEET	GYP. BD.	GYPSUM WALL BOARD
"	INCHES	HC.	HANDICAPPED
&	AND	HDW.	HARDWARE
@	AT	H.M.	HOLLOW METAL
∅	DIAMETER	HORIZ.	HORIZONTAL
ADJ	ADJUSTABLE	HR.	HOUR
AFF	ABOVE FINISH FLOOR	HT.	HEIGHT
ALUM	ALUMINUM	HVAC	HEATING/VENTILATION/ AIR CONDITIONING
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	HYD	HYDRANT
ATS	AUTOMATIC TRANSFER SWITCH	I.D.	INSIDE DIAMETER
		INFO	INFORMATION
BD	BOARD	INSUL.	INSULATION
BITUM.	BITUMINOUS	LAV.	LAVATORY
BLDG	BUILDING	LT.	LIGHT
B.M.	BENCHMARK	MATL.	MATERIAL
B.O.	BOTTOM OF	MAX.	MAXIMUM
BRG.	BEARING	MECH.	MECHANICAL
BTWN.	BETWEEN	MFR.	MANUFACTURER
CER.	CERAMIC	MIN.	MINIMUM
CJ	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
CLG.	CEILING	M.O.	MASONRY OPENING
CLR.	CLEAR	MTL.	METAL
CMU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
COL.	COLUMN	NO.	NUMBER
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONT.	CONTINUOUS	O.C.	ON CENTER
CONST.	CONSTRUCTION	O.D.	OUTSIDE DIAMETER
COORD.	COORDINATE	O.H.	OVERHEAD
CTJ	CONTRACTION JOINT	OPP.	OPPOSITE
DBL.	DOUBLE	PART.	PARTITION
DPW	DIRECTOR OF PUBLIC WORKS	PERP.	PERPENDICULAR
DIA.	DIAMETER	PL.	PLATE
DPG	DUGWAY PROVING GROUND	PNTD.	PAINTED
DTL.	DETAIL	PSI	POUNDS PER SQUARE INCH
DWGS.	DRAWINGS	R.D.	ROOF DRAIN
EA.	EACH	RAD.	RADIUS
EJ	EXPANSION JOINT	REINF.	REINFORCED
ELEV.	ELEVATION	REQ'D	REQUIRED
EQ.	EQUAL	RET.	RETURN
E.S.	EACH SIDE	REV.	REVERSED
EXIST.	EXISTING	RM.	ROOM
EXPAN.	EXPANSION	R.O.	ROUGH OPENING
EXT.	EXTERIOR	SCHED.	SCHEDULE
E.W.C.	ELECTRIC WATER COOLER	SHR.	SHOWER
F.D.	FLOOR DRAIN	SHT.	SHEET
FDN.	FOUNDATION	SIM.	SIMILAR
F.E.	FIRE EXTINGUISHER	SPEC.	SPECIFICATION
F.E.C.	FIRE EXTINGUISHER CABINET	STD.	STANDARD
F.F.	FINISH FLOOR	STR.	STRUCTURAL
FIN.	FINISH	SUSP.	SUSPENDED
FLR.	FLOOR	THRU	THROUGH
F.L.	FLOW LINE	T.O.	TOP OF
FTG.	FOOTING	T.O.A.	TOP OF ASPHALT
GA.	GAGE	T.O.C.	TOP OF CURB
GALV.	GALVANIZED	T.O.F.	TOP OF FOOTING
GF-CI	GOVERNMENT FURNISHED CONTRACTOR INSTALLED	T.O.S.	TOP OF SLAB OR SIDEWALK
		T.O.W.	TOP OF WALL
GF-GI	GOVERNMENT FURNISHED GOVERNMENT INSTALLED	TYP.	TYPICAL
		VERT.	VERTICAL
G.I.	GALVANIZED STEEL	VEST.	VESTIBULE
GND.	GROUND	W/	WITH
GOVT.	GOVERNMENT	WD	WOOD

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LIST OF DRAWINGS

GENERAL	
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AG-1001	COVER SHEET AND GENERAL INFORMATION
ARCHITECTURAL DRAWINGS	
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A-DP100	DEMOLITION FLOOR PLAN
A-DP101	DEMOLITION CEILING PLAN
A-DP102	MEZZANINE LEVEL DEMOLITION FLOOR AND CEILING PLAN
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A-FP101	NEW CEILING PLAN
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A-IE600	INTERIOR ELEVATIONS
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STRUCTURAL	
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MECHANICAL	
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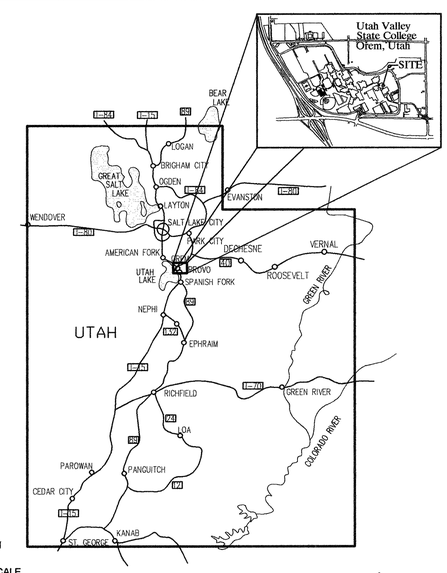
E101	MAIN FLOOR POWER PLAN
E102	MEZZANINE LEVEL LIGHTING AND POWER/DATA PLAN

GRAPHIC KEY

CONCRETE
ASPHALT PAVING
FINISH LUMBER
GRAVEL
STEEL STUD PARTITION
WOOD FRAMING
MASONRY
CERAMIC TILE
PLYWOOD
01 / A-2 — DETAIL NUMBER; SHEET ON WHICH DETAIL APPEARS — DETAIL
01 / A-4 — SECTION NUMBER; SHEET ON WHICH SECTION APPEARS
A / 01 / A-7 / B / C / D — ELEVATION VIEW; DETAIL NUMBER; SHEET ON WHICH DETAIL APPEARS — INTERIOR ELEVATION
01 — PARTITION TYPE
101 — DOOR NUMBER
A — WINDOW TYPE

VICINITY MAP



NOT TO SCALE

DFCM DESIGN AND CODE CRITERIA

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2005
International Mechanical Code	2006	Uniform Code for Building Conservation	N/A
International Plumbing Code	2006	ADA Accessibility Guidelines	N/A
International Fire Code	2006		
International Energy Conservation Code	N/A		

A. Occupancy and Group: B

Change in Use: Yes YES No ____ Mixed Occupancy: Yes ____ No X

Special Use and Occupancy (e.g. High Rise, Covered Mall): NO

B. Seismic Design Category: N/A 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):

North N/A South: N/A East: N/A West: N/A

E. Mixed Occupancies: NO Nonseparated Uses: NO

F: Sprinklers:

Required: YES Provided: YES Type of Sprinkler System: WET PIPE

G: Number of Stories: 2 Building Height: 21'-0"

H: Actual Area Of Remodel (square feet): 4,692 SQ. FT.

I: Tabular Area: UNLIMITED

J: Area Modifications:

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

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 X Code Section: N/A

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	0	–
Fire Barriers	0	–	Fire Partitions	0	–
			Smoke Partitions	0	–

L. Design Occupant Load: XX

Exit Width Required: 32" Exit Width Provided: 32"

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) XX (f) XX Provided (m) X (f) X
b) Lavatories - Required (m) XX (f) XX Provided (m) X (f) X
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 Parts I through 3 - 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.

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STATE OF UTAH — SCOTT T. PRIOR — 261110 — 2/24/09 — LICENSED ARCHITECT

architecture planning design

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UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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CAD PROJECT NO:
CAD DWG FILE:
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SHEET TITLE

INDEX SHEET

SHEET NUMBER

A-G1001

LEGEND

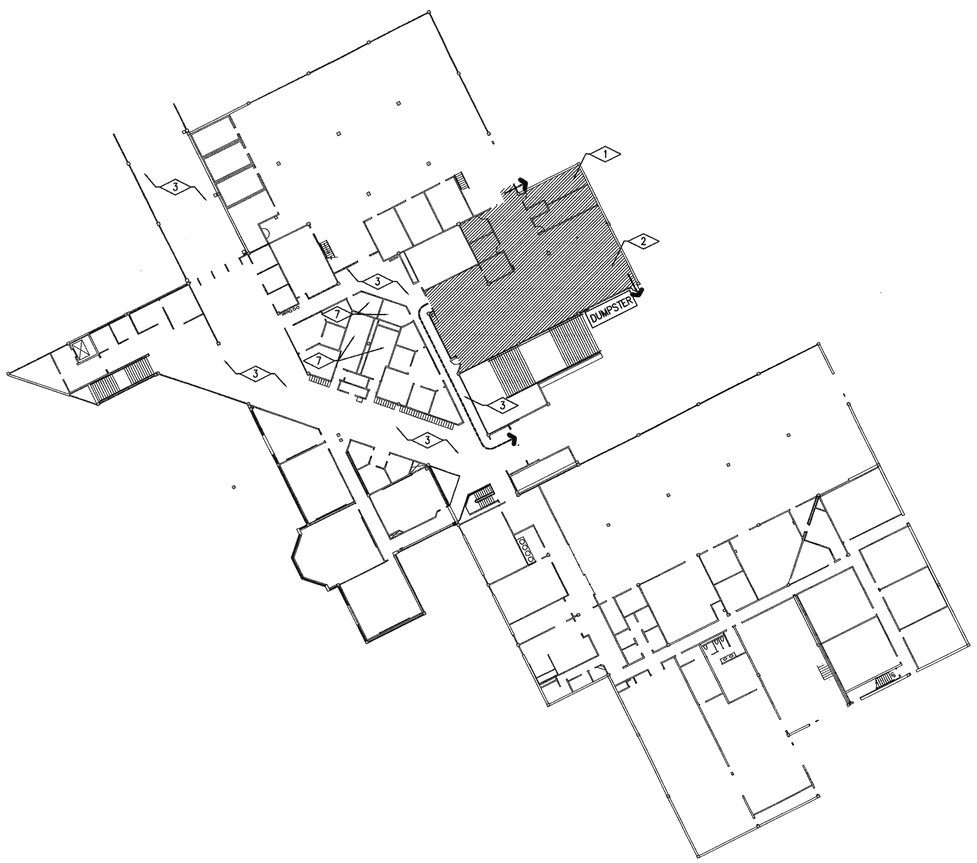
PARKING	CONTRACTOR PARKING AREA
DUMPSTER	CONTRACTORS DUMPSTER LOCATION
———	PROJECT LOCATION
←———	MEANS OF EGRESS

GENERAL NOTES

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY SIDEWALK, CURB & GUTTER, ASPHALT, LANDSCAPING ETC. DISTURBED OR DESTROYED DURING CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EMERGENCY AND UTILITY VEHICLE ACCESS AT ALL TIMES TO ALL EXISTING BUILDINGS AND BUILDING ENTRANCES
3. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND PROJECT CONDITIONS PRIOR TO BIDDING.
4. GENERAL CONTRACTOR SHALL PROTECT EXISTING BUILDING FROM DAMAGE DURING CONSTRUCTION.
5. EXISTING DRIVE APPROACHES TO REMAIN CLEAR AT ALL TIMES
6. ALL EXISTING SIDEWALKS TO REMAIN CLEAR AT ALL TIMES
7. ALL EXISTING CONCRETE AND ASPHALT PATHWAYS TO REMAIN OPEN TO PEDESTRIANS AND VEHICLES AT ALL TIMES DURING CONSTRUCTION

REFERENCE NOTES

1. PROJECT LOCATION
2. GENERAL CONTRACTORS STAGING AREA
3. EXISTING CORRIDORS TO REMAIN OPEN TO PEDESTRIANS AT ALL TIMES DURING CONSTRUCTION
4. GENERAL CONTRACTORS PARKING AREA
5. EXISTING DRIVE APPROACHES TO REMAIN CLEAR AT ALL TIMES
6. EXISTING SIDEWALKS TO REMAIN CLEAR AT ALL TIMES
7. EXISTING MEN'S AND WOMEN'S ADA ACCESSIBLE RESTROOM LOCATIONS

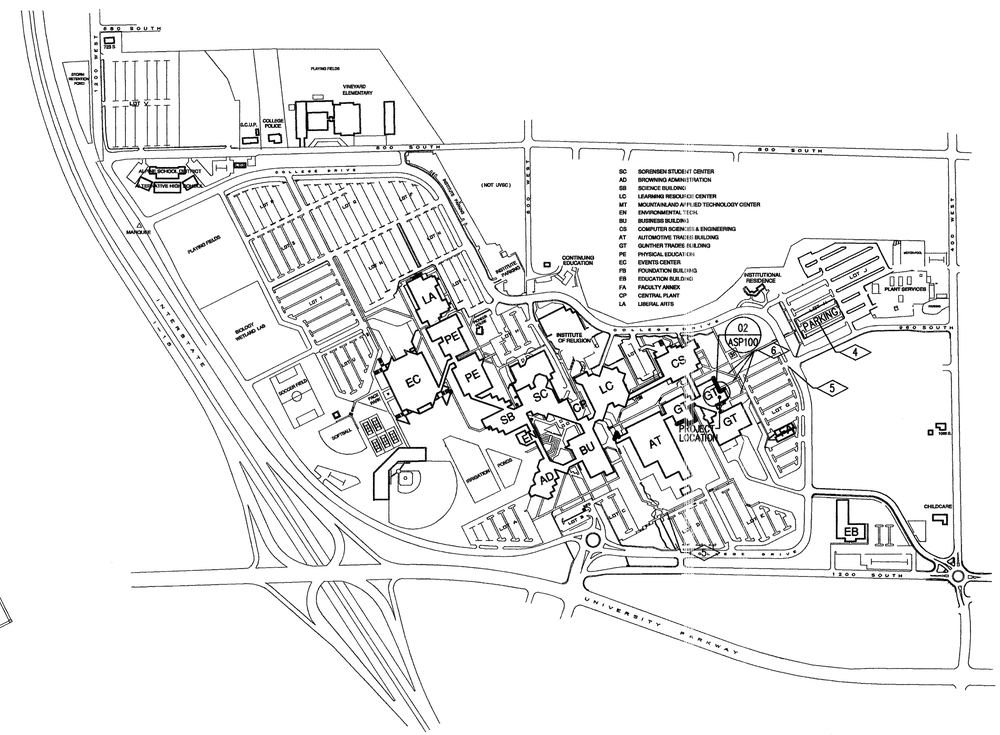


AREA OF CONSTRUCTION

PLAN NORTH

02 ASP101 GUNTHER TRADE BUILDING PROJECT LOCATION

SCALE 1/32" = 1'-0"



Utah Valley State College Orem, Utah

PLAN NORTH

01 ASP100 CAMPUS PLAN AND PROJECT LOCATION

SCALE N.T.S.

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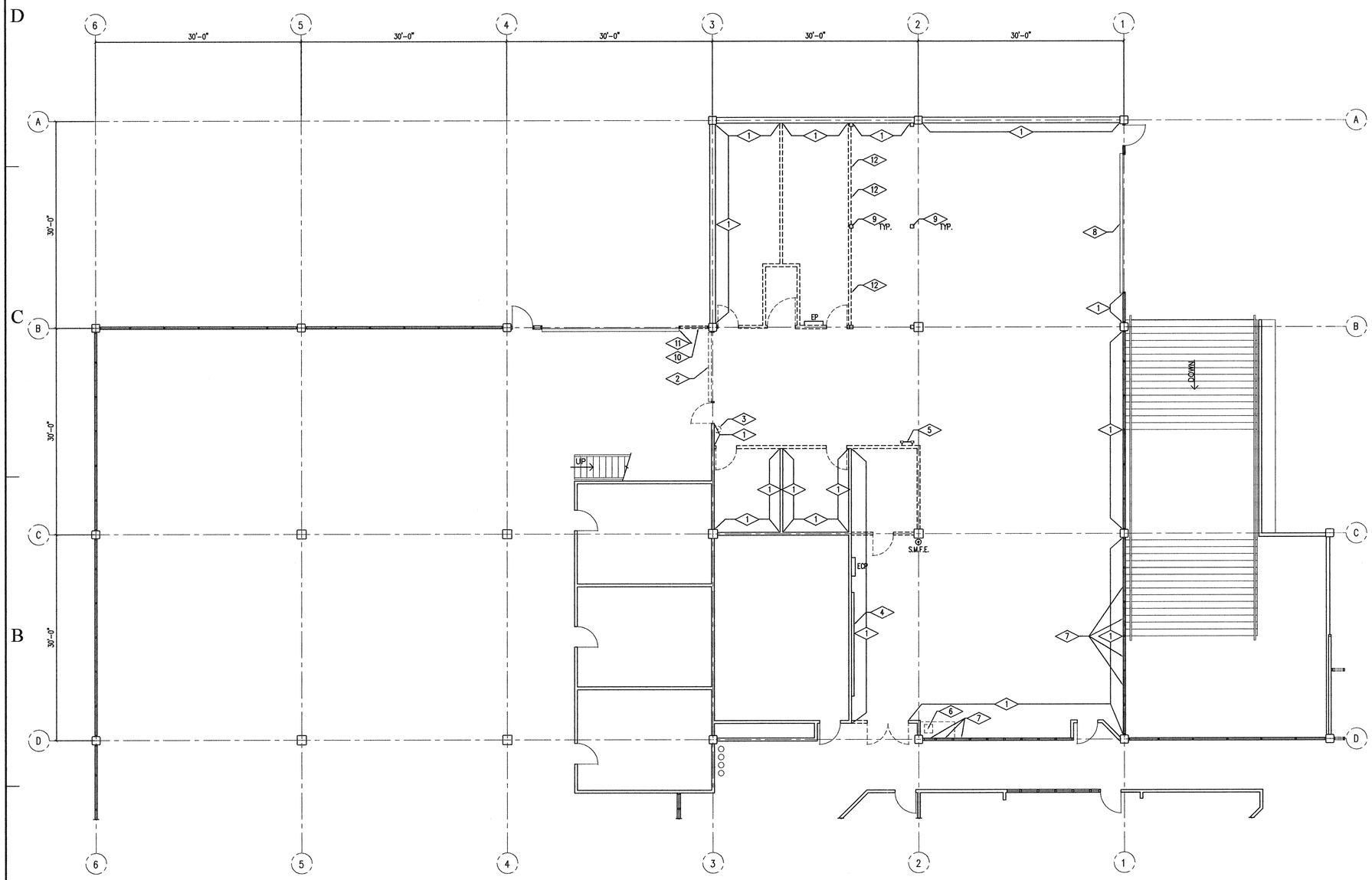
SITE PLAN AND PROJECT LOCATION

SHEET NUMBER

A-SP100



0 4' 8' 16'

PLAN NORTH

01 ADP100 DEMOLITION FLOOR PLAN

SCALE 1/8" = 1'-0"

REFERENCE NOTES

1. AT EXISTING GYPSUM BOARD WALLS THAT ARE TO REMAIN, GENERAL CONTRACTOR SHALL CLEAN, REMOVE ANY WALL MOUNTED ITEMS THAT ARE NOT TO REMAIN, PATCH AND REPAIR GYPSUM BOARD FOR NEW PAINT COATING
2. EXISTING MOTORIZED SECTIONAL OVERHEAD DOOR, FRAME, MOTOR AND CONTROLLER TO BE REMOVED
3. EXISTING EYE WASH SINK TO BE REMOVED
4. EXISTING SP. BOARD TO BE REMOVED AND RETURNED TO SCHOOL
5. EXISTING MEZZANINE LEVEL ACCESS LADDER TO BE REMOVED AND RETURNED TO OWNER
6. EXISTING CABINET AND SINK TO BE REMOVED
7. EXISTING WOOD PANELS COVERING EXISTING WINDOWS TO BE REMOVED. GENERAL CONTRACTOR SHALL REMOVE EXISTING CAULKING FROM WINDOW FRAMES, SAND AND PREP HOLLOW METAL WINDOW FRAME FOR REPAINTING
8. EXISTING SECTIONAL OVERHEAD DOOR TO REMAIN UNDISTURBED
9. EXISTING STEEL COLUMNS FOR MEZZANINE LEVEL TO SP. UNDISTURBED. GENERAL CONTRACTOR SHALL SAND AND PREP EXISTING STEEL COLUMNS AND MEZZANINE FRAMING FOR NEW PAINTING
10. EXISTING EXTERIOR WALL PANEL SYSTEM TO BE REMOVED
11. EXISTING COILING OVER HEAD DOOR LEVER TO BE RELOCATED TO NEW WALL LOCATION
12. REMOVE EXISTING METAL HOOKS ON MEZZANINE FRAMING ABOVE, EXISTING METAL HOOKS ARE WELDED TO EXISTING METAL MEZZANINE FRAMING

LEGEND

- EXISTING GYPSUM BOARD AND WOOD FRAMED WALLS TO BE REMOVED
- EXISTING DOOR AND FRAME TO BE REMOVED
- S.M.F.E. — EXISTING SURFACE MOUNTED CLASS A.B.C. 20LB FIRE EXTINGUISHER TO BE RELOCATED, SEE NEW FLOOR PLANS.
- EP — EXISTING ELECTRICAL PANEL LOCATION
- ECP — EXISTING MECHANICAL CONTROLS PANEL LOCATION

GENERAL NOTES

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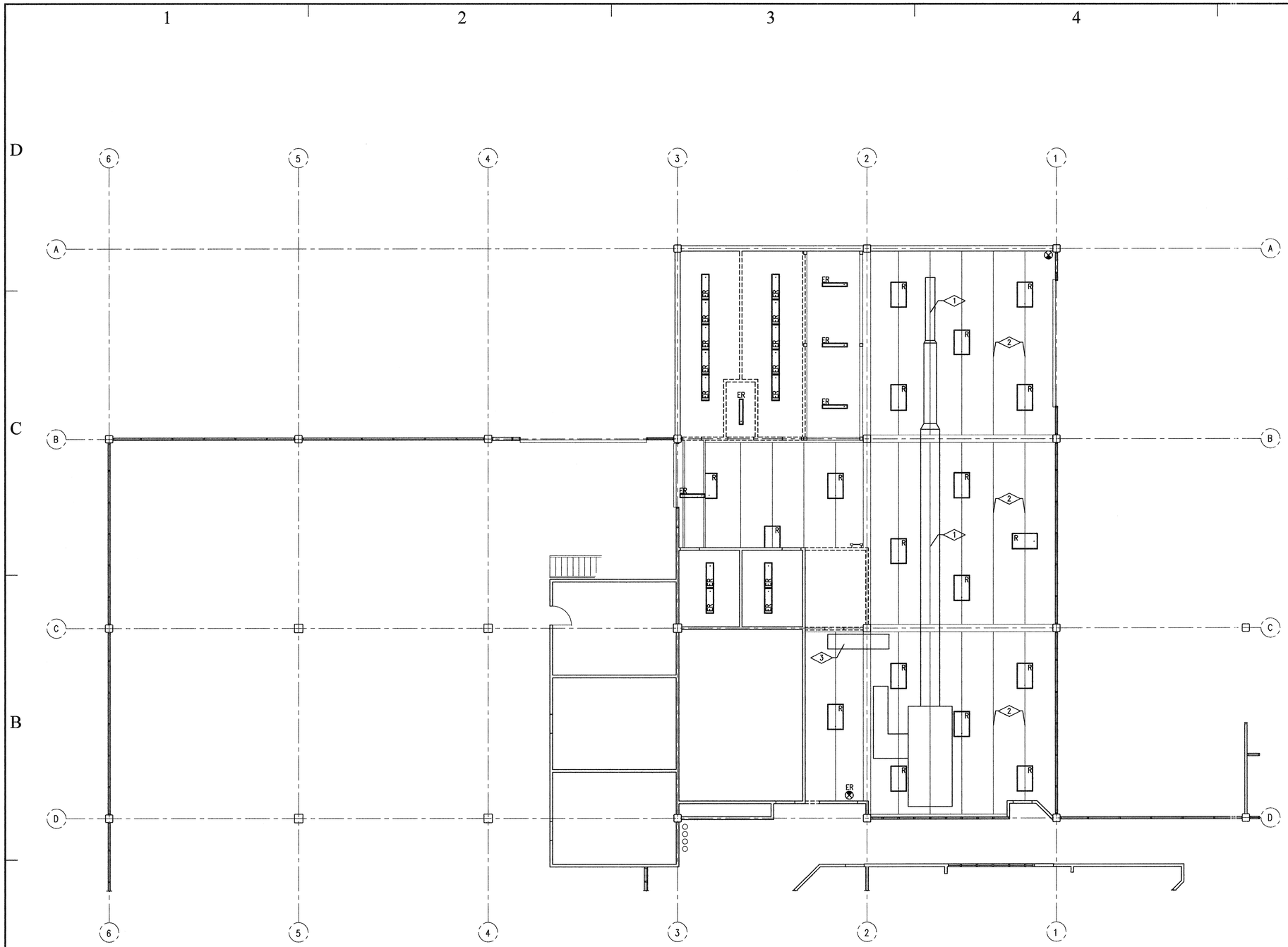
SHEET TITLE

DEMOLITION FLOOR PLAN

SHEET NUMBER

A-DP100



DEMO CEILING PLAN REFERENCE NOTES

1. EXISTING MECHANICAL DUCT TO BE CLEANED
2. EXISTING ROOF JOIST
3. EXISTING STEEL MECHANICAL UNIT ACCESS WALKWAY TO BE REMOVED AND RELOCATED AS PER NEW REFLECTED CEILING PLAN

CEILING PLAN LEGEND

- ER — EXISTING 4' FLUORESCENT SURFACE MOUNTED LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- ER — EXISTING 4' FLUORESCENT SURFACE MOUNTED STRIP LIGHT FIXTURE TO BE REMOVED. SEE ELECTRICAL DRAWINGS.
- RE — EXISTING 4' FLUORESCENT LIGHT FIXTURE TO BE RELOCATED AS PER NEW REFLECTED CEILING PLAN, SEE ELECTRICAL DRAWINGS
- ER — EXISTING EXIT SIGN TO BE REMOVED, SEE ELECTRICAL DRAWINGS
- — EXISTING EXIT SIGN TO BE REMAIN

0 4' 8' 16'

PLAN NORTH

01 ADP101 DEMOLITION CEILING PLAN

SCALE 1/8" = 1'-0"

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DEMOLITION CEILING PLAN

SHEET NUMBER

A-DP101

CEILING PLAN REFERENCE NOTES

1. EXISTING CONCRETE BEAM
2. EXISTING STEEL JOIST
3. EXISTING EXPOSED MECHANICAL DUCT TO BE CLEANED
4. EXISTING LAY-IN CEILING SYSTEM AND HANGER WIRES TO BE REMOVED

CEILING PLAN LEGEND

- ER — EXISTING 2x4 LAY-IN CEILING FLUORESCENT LIGHT FIXTURE TO BE REMOVED AND RETURNED TO SCHOOL
- ER — EXISTING 1'x8' FLUORESCENT LIGHT FIXTURE TO BE REMOVED AND RETURNED TO SCHOOL
- R — EXISTING 4' FLUORESCENT LIGHT FIXTURE TO BE RELOCATED AS PER NEW REFLECTED CEILING PLAN, SEE ELECTRICAL DRAWINGS

FLOOR PLAN REFERENCE NOTES

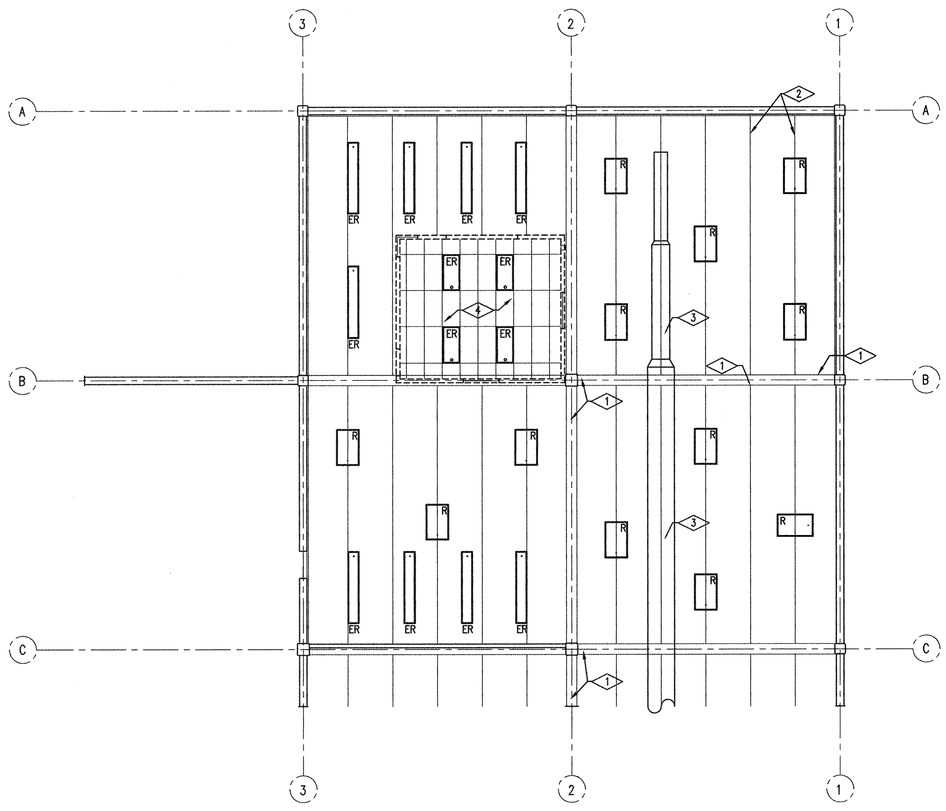
1. AT EXISTING GYPSUM BOARD WALLS THAT ARE TO REMAIN, GENERAL CONTRACTOR SHALL CLEAN, REMOVE ANY WALL MOUNTED ITEMS THAT ARE NOT TO REMAIN, PATCH AND REPAIR GYPSUM BOARD FOR NEW PAINT COATING
2. EXISTING PIPE GUARD RAILING TO BE REMOVED AND RETURNED TO OWNER
3. EXISTING MEZZANINE LEVEL STEEL ACCESS LADDER TO BE REMOVED AND RETURNED TO OWNER
4. EXISTING SHEET METAL FLOORING TO BE REMOVED. EXISTING METAL DECKING TO REMAIN UNDISTURBED
5. EXISTING HOLLOW METAL WINDOW FRAMES AND GLAZING TO BE REMOVED AND DISPOSED OF
6. EXISTING CONCRETE COLUMNS TO REMAIN UNDISTURBED

FLOOR PLAN LEGEND

- EXISTING GYPSUM BOARD AND WOOD FRAMED WALLS TO BE REMOVED
- EXISTING DOOR AND FRAME TO BE REMOVED
- EP — EXISTING ELECTRICAL PANEL LOCATION

GENERAL NOTES

1.



PLAN NORTH

02 / ADP102 DEMOLITION CEILING PLAN MEZZANINE LEVEL

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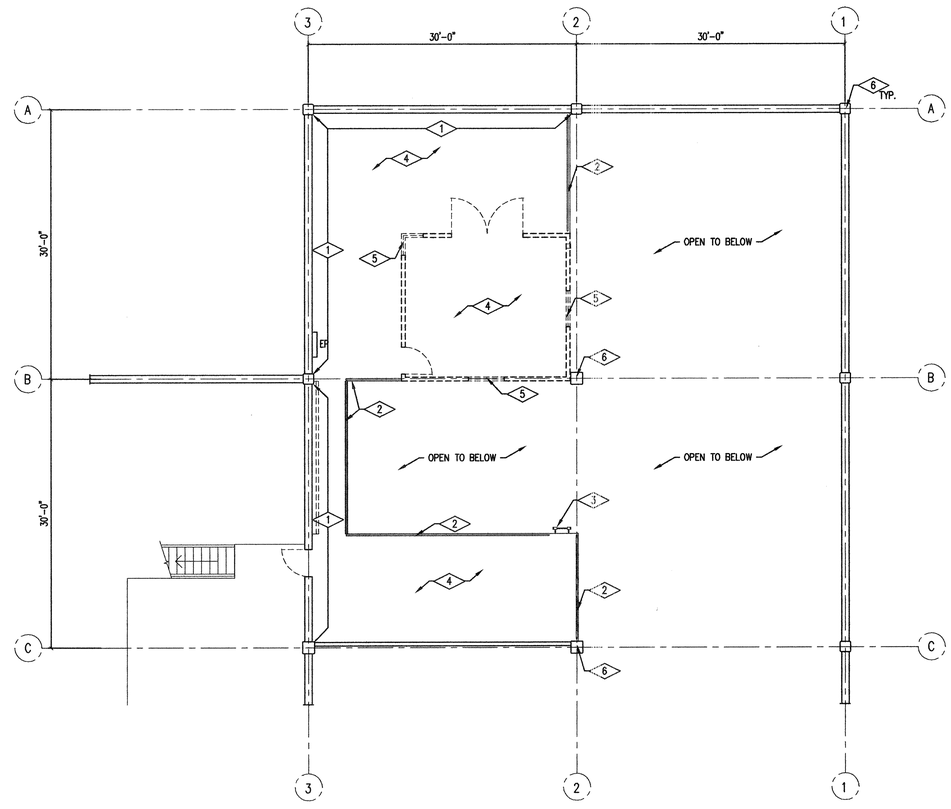

PLAN NORTH

01 / ADP102 DEMOLITION FLOOR PLAN MEZZANINE LEVEL

SCALE 1/8" = 1'-0"

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STATE OF UTAH — SCOTT A. PETERSEN — 261110 — LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

DFCM PROJECT NO: 08321790
CAD PROJECT NO:
CAD DWG FILE:
DRAWN BY: BRIAN AND SCOTT
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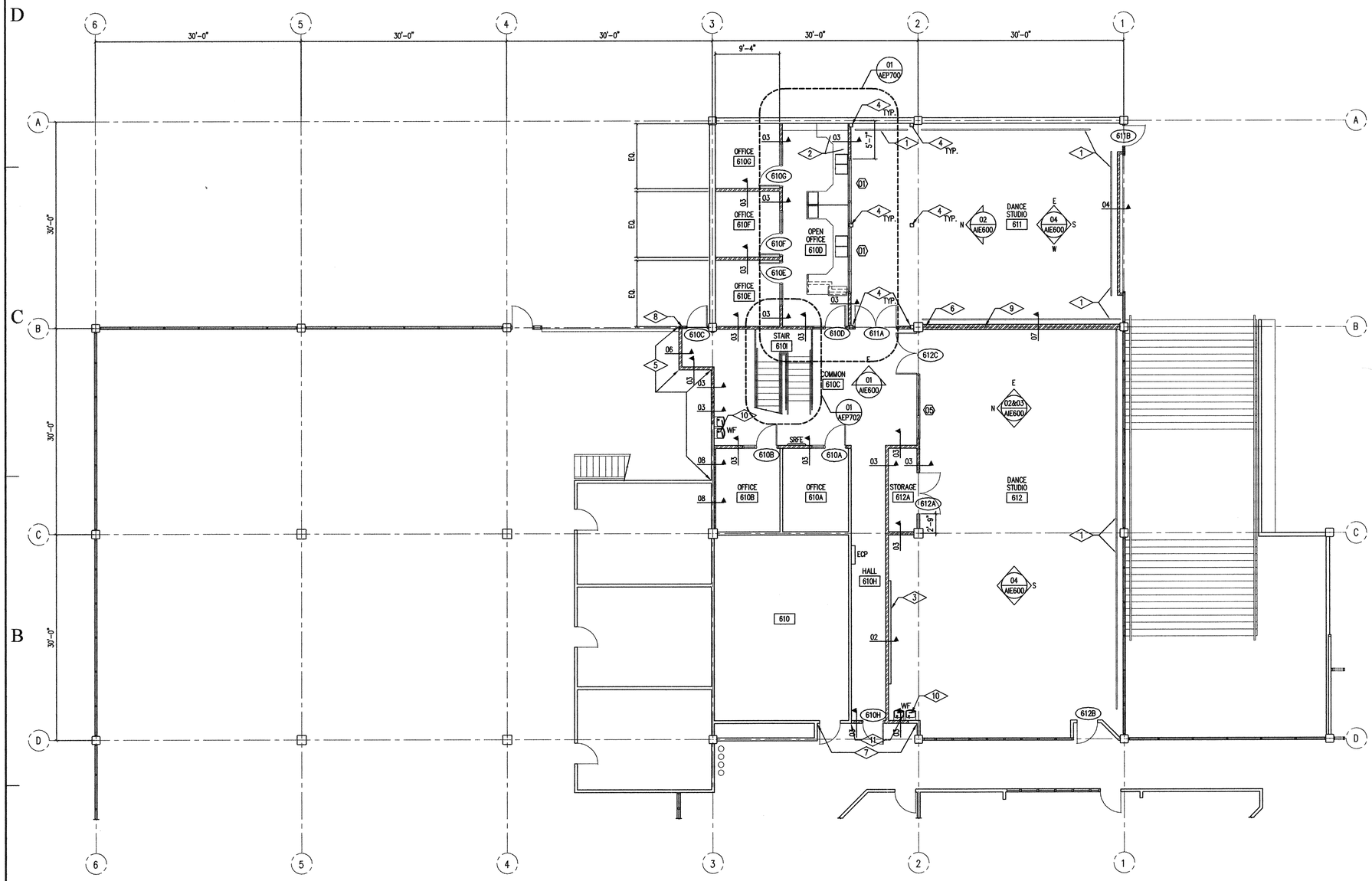
SHEET TITLE

MEZZANINE LEVEL
DEMOLITION FLOOR
AND CEILING PLAN

SHEET NUMBER

A-DP102



NEW FLOOR PLAN

01 AFP100 SCALE 1/8" = 1'-0"

REFERENCE NOTES

1. DANCE BARRE LOCATIONS SEE INTERIOR ELEVATIONS ON SHEET AIE600
2. NEW PLASTIC LAMINATE CASEWORK. SEE INTERIOR ELEVATIONS AND CASEWORK SECTIONS
3. NEW 16'-0" WHITE BOARD, SEE SPECIFICATION
4. EXISTING STEEL MEZZANINE. FLOOR FRAMING TO BE SANDED AND REPAINTED
5. GENERAL CONTRACTOR SHALL FINISH GYPSUM BOARD WALL, PRIME AND PAINT AT BACK SIDE OF WALL
6. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ROOF DRAIN PIPING CLEAN OUT TO BE RELOCATED
7. GENERAL CONTRACTOR SHALL FINISH AND PAINT WALL AT CORRIDOR LOCATION
8. EXISTING WALL PANEL TO BE REMOVED, CUT TO NEW SIZE AND REINSTALLED AT TRANSON LOCATION NEXT TO DOOR
9. GENERAL CONTRACTOR SHALL COORDINATE METAL STUD FRAMING WITH NEW DACE BARRE BRACKET LOCATIONS
10. GENERAL CONTRACTOR SHALL CUT, PATCH, AND REPAIR EXISTING GYPSUM BOARD WALL AS NECESSARY FOR NEW WATER FOUNTAIN INSTALLATION

10 NEW WALL ASSEMBLY AT THIS LOCATION TO BE AS PER GA. FILE NO. WP 1072

LEGEND

- RM. NAME / 100 — ROOM TAG
- 101A — DOOR TAG
- 03 — WALL TYPE, SEE WALL TYPE THIS SHEET
- NEW GYPSUM BOARD WALL LOCATION, SEE WALL TYPES
- 01 — WINDOW TAG
- S.R.F.E. — SEMI-RECESSED CLASS A.B.C. 20LB FIRE EXTINGUISHER, SEE SPECIFICATION
- DASHED LINE AT WINDOWS INDICATES LOCATION OF HORIZONTAL BLINDS, SEE SPECIFICATION SECTION 12511
- WF — NEW HIGH/LOW WATER FOUNTAINS, SEE PLUMBING DRAWINGS
- EP — EXISTING ELECTRICAL PANEL LOCATION
- ECP — EXISTING MECANICAL CONTROL PANEL LOCATION

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL REPLACE AND REPAIR ALL CONCRETE FLOORING DAMAGED DURING THE DEMOLITION AND CONSTRUCTION.
2. SEE ELECTRICAL & MECHANICAL DEMOLITION DRAWINGS & NOTES.
3. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING INTERIOR GYPSUM BOARD WALL SURFACES THAT ARE NOTED TO RECEIVE A NEW PAINT FINISH. PATCH AND REPAIR TO CREATE A "LIKE NEW" FINISHED SURFACE PRIOR TO RECEIVE NEW PAINT COATING.
4. UPON COMPLETION OF CONSTRUCTION IT IS THE GENERAL CONTRACTOR RESPONSIBILITY TO THOROUGHLY CLEAN ALL AREAS IN WHICH CONSTRUCTION TOOK PLACE AND AREAS AFFECTED BY THE CONSTRUCTION. THE GENERAL CONTRACTOR SHALL CLEAN ALL CARPET, REMOVE ALL DUST, CLEAN DOORS AND FRAMES, LIGHT FIXTURES, CEILING SYSTEMS, MECHANICAL GRILLS, ELECTRICAL PANELS, WINDOW SYSTEMS AND GLAZING ETC..
5. WHERE WALLS HAVE BEEN REMOVED AND EXISTING GYPSUM BOARD WALL ARE TO REMAIN, IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO PATCH AND REPAIR EXISTING WALLS TO A "LIKE NEW" FINISH TO RECEIVE NEW PRIMER AND PAINT.

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STATE OF UTAH 261110 LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

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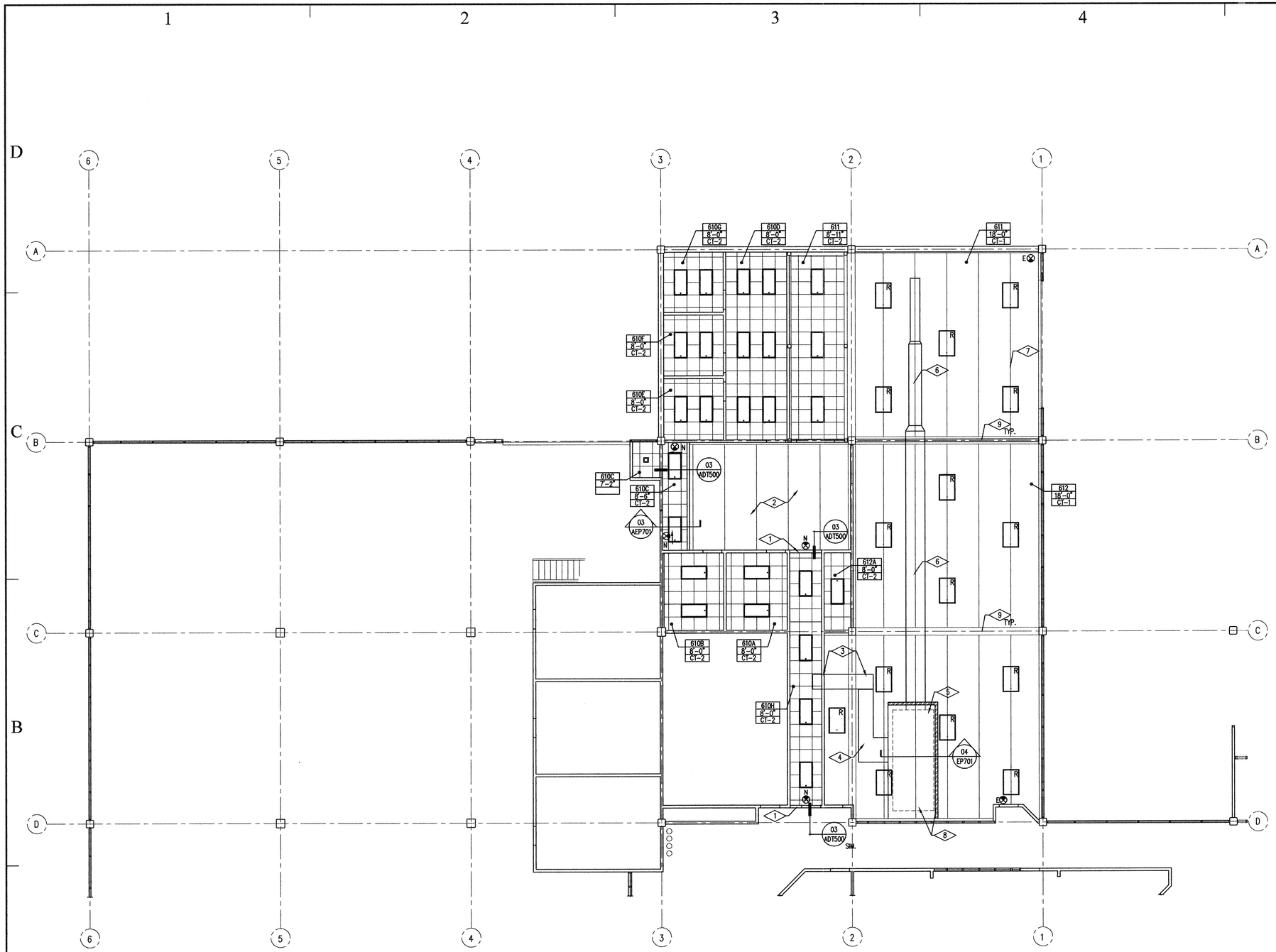
SHEET TITLE

NEW FLOOR PLAN

SHEET NUMBER

A-FP100



0 4' 8' 16'

PLAN NORTH

01 AFP101 NEW CEILING PLAN

SCALE 1/8" = 1'-0"

REFERENCE NOTES

1. GYPSUM BOARD BULKHEAD, SEE DETAIL
2. SEE CEILING PLAN AT MEZZANINE LEVEL FOR LIGHT IN COMMON AREA
3. GENERAL CONTRACTOR SHALL RELOCATE EXISTING STEEL CATWALK TO NEW LOCATION AS SHOWN. GENERAL CONTRACTOR SHALL PROVIDE OPENING IN NEW GYPSUM BOARD WALL FOR CATWALK PENETRATION.
4. EXISTING METAL CATWALK TO REMAIN UNDISTURBED.
5. EXISTING MECHANICAL UNIT, SEE MECHANICAL DRAWINGS
6. EXISTING MECHANICAL DUCT TO BE CLEANED.
7. EXISTING ROOF JOISTS
8. GENERAL CONTRACTOR TO CONSTRUCT METAL STUD AND GYPSUM BOARD MECHANICAL ENCLOSURE, SEE DETAIL 04/AEP701, MECHANICAL ENCLOSURE TO BE OPEN ON NORTH SIDE
9. EXISTING CONCRETE BEAM ABOVE TO REMAIN UNDISTURBED

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.
2. NEW SUSPENDED CEILING GRIDS SHALL BE CENTERED IN SPACES AS SHOWN ON REFLECTED CEILING PLANS, UNLESS SHOWN OTHERWISE.
3. SEE DETAIL FOR LAY IN CEILING TILE HORIZONTAL RESTRAINT
4. FIRE SPRINKLER CONTRACTOR TO SUBMIT COVERAGE AND SPRINKLER HEAD LOCATION DRAWINGS TO ARCHITECT, UVU PROJECT MANAGER AND DFCM PROJECT MANAGER PRIOR TO RELOCATING FIRE SPRINKLER HEADS.
5. UPON COMPLETION OF CONSTRUCTION GENERAL CONTRATOR SHALL CLEAN ALL EXISTING AND NEW EXPOSED MECHANICAL DUCT WORK, FIRE SPRINKLER PIPING, ROOF DRAIN PIPING, ECT. GENERAL CONTRATOR SHALL CLEAN USING A LIQUID CLEANING SOLUTION

LEGEND

- 101 — ROOM NUMBER
- 9'-0" — CEILING HEIGHT
- CT — CEILING TYPE
- NEW 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.
- R — EXISTING FLORESCENT LIGHT FIXTURE TO BE RELOCATED AS SHOWN. GENERAL CONTRACTOR SHALL ADJUST ALL LIGHT FIXTURES TO ALIGN STRAIGHT WITH EXISTING ROOF JOIST SYSTEM AND FASTEN SECURELY TO ROOF JOIST SYSTEM. SEE ELECTRICAL DRAWINGS
- NEW RECESSED CAN LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS
- N — NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- E — EXISTING EXIT SIGN, SEE ELECTRICAL DRAWINGS.
- 03 — WALL TYPE, SEE WALL TYPE THIS SHEET
- NEW GYPSUM BOARD WALL LOCATION, SEE WALL TYPES

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STATE OF UTAH SCOTT K. PRIOR 261110 LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY OREM, UTAH

GUNTHER TRADES BUILDING NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

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SHEET TITLE

NEW CEILING PLAN

SHEET NUMBER

A-FP101

CEILING PLAN REFERENCE NOTES

1. EXISTING MECHANICAL DUCT TO BE CLEANED

CEILING PLAN LEGEND

101 — ROOM NUMBER
9'-0" — CEILING HEIGHT
CT-1 — CEILING TYPE

NEW 2x4 FLUORESCENT LAY-IN LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

NEW 8'-0" FLORESCENT LIGHT FIXTURE, SEE ELECTRICAL DRAWINGS

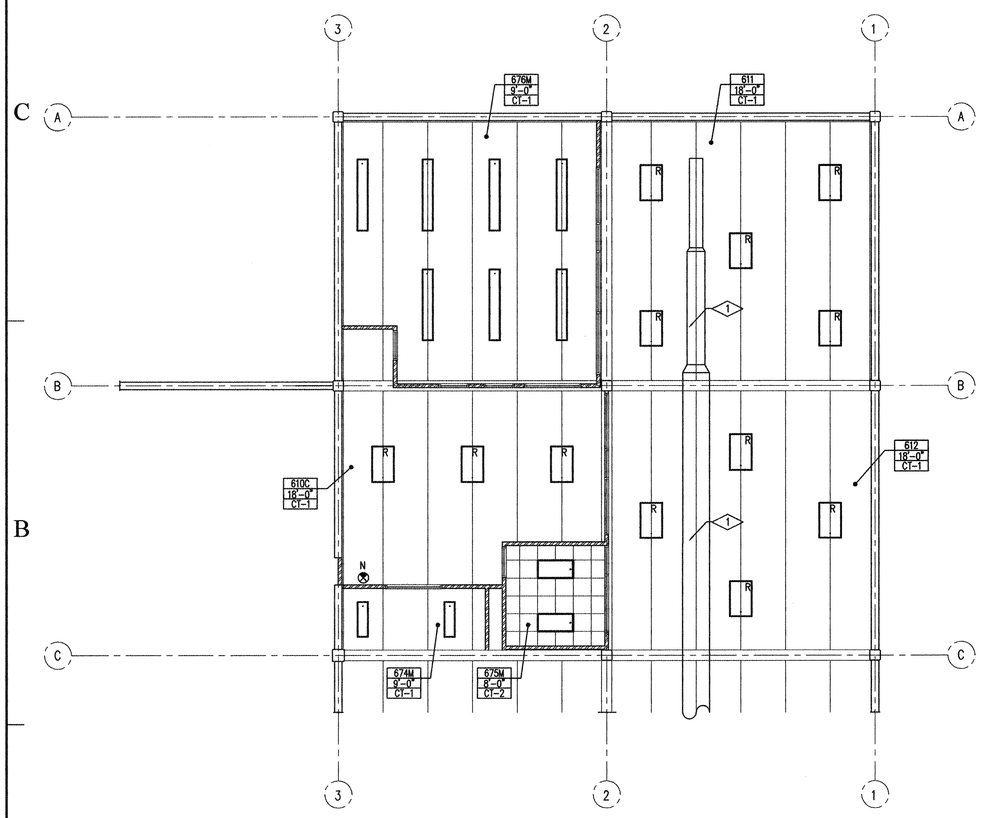
NEW 4'-0" FLORESCENT LIGHT FIXTURE, SEE ELECTRICAL

R — EXISTING FLORESCENT LIGHT FIXTURE TO BE RELOCATED AS SHOWN. GENERAL CONTRACTOR SHALL ADJUST ALL LIGHT FIXTURES TO ALIGN STRAIGHT WITH EXISTING ROOF JOIST SYSTEM AND FASTEN SECURELY TO ROOF JOIST SYSTEM. SEE ELECTRICAL DRAWINGS

N — NEW EXIT SIGN, SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

1. NEW SUSPENDED CEILING GRIDS SHALL BE CENTERED IN SPACES AS SHOWN ON REFLECTED CEILING PLANS, UNLESS SHOWN OTHERWISE.
2. FIRE SPRINKLER CONTRACTOR TO SUBMIT COVERAGE AND SPRINKLER HEAD LOCATION DRAWINGS TO ARCHITECT, UVU PROJECT MANAGER AND DFCM PROJECT MANAGER PRIOR TO RELOCATING FIRE SPRINKLER HEADS.



0 4' 8' 16'

PLAN NORTH

02 AFP102 NEW CEILING PLAN MEZZANINE LEVEL

SCALE 1/8" = 1'-0"

FLOOR PLAN REFERENCE NOTES

1. NEW MECANICAL DUCT WORK, SEE MECHANICAL DRAWINGS
2. MECHANICAL CHASE, SEE MECHANICAL & ELECTRICAL DRAWINGS
3. GENERAL CONTRACTOR SHALL PRIME AND PAINT AT BACK SIDE OF WALL.
4. GENERAL CONTRACTOR SHALL FINISH WALL

FLOOR PLAN LEGEND

RM. NAME / 100 — ROOM TAG

07 — WINDOW TAG

100A — DOOR TAG

F.D. — FLOOR DRAIN

WT-01 — WALL TYPE, SEE WALL TYPES SHEET ASC300

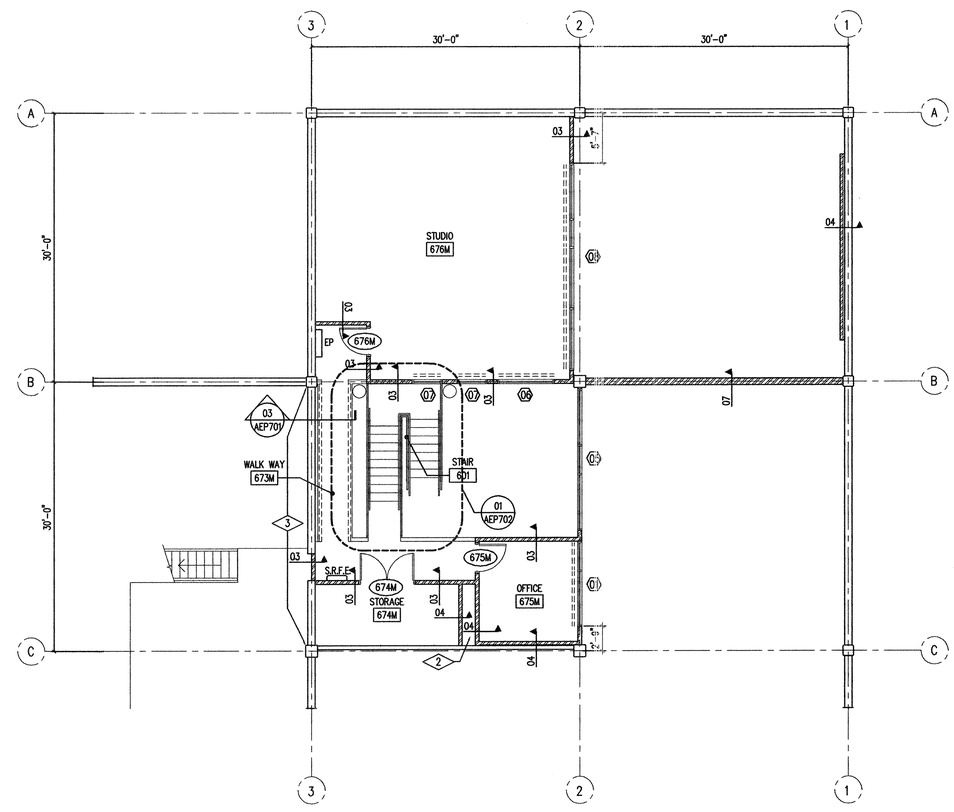
DASH LINES AT WINDOW LOCATIONS INDICATE NEW WINDOW COVERINGS AS PER SPECIFICATION

EP — EXISTING ELECTRICAL PANEL LOCATION

S.R.F.E. — SEMI-RECESSED CLASS A,B,C. 20LB FIRE EXTINGUISHER, SEE SPECIFICATION

GENERAL NOTES

1. GENERAL CONTRACTOR SHALL REPLACE AND REPAIR ALL CONCRETE FLOORING DAMAGED DURING THE DEMOLITION AND CONSTRUCTION.
2. SEE ELECTRICAL & MECHANICAL DEMOLITION DRAWINGS & NOTES.
3. IN AREAS OF CONSTRUCTION WHERE WALLS ARE TO REMAIN, GENERAL CONTRACTOR SHALL PATCH AND REPAIR WALL SURFACE TO RECEIVE NEW FINISH AS PER FINISH SCHEDULE.
4. GENERAL CONTRACTOR SHALL PROVIDE A 6 MIL POLYETHYLENE DUST BARRIER FROM FLOOR TO CEILING ABOVE AND SHALL BE SEALED AIR TIGHT IN ALL PHASED AREA OF CONSTRUCTION
5. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES.



0 4' 8' 16'

PLAN NORTH

01 AFP102 NEW FLOOR PLAN MEZZANINE LEVEL

SCALE 1/8" = 1'-0"

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STATE OF UTAH — SCOTT R. PARKER — 261110 — 3/31/09 — LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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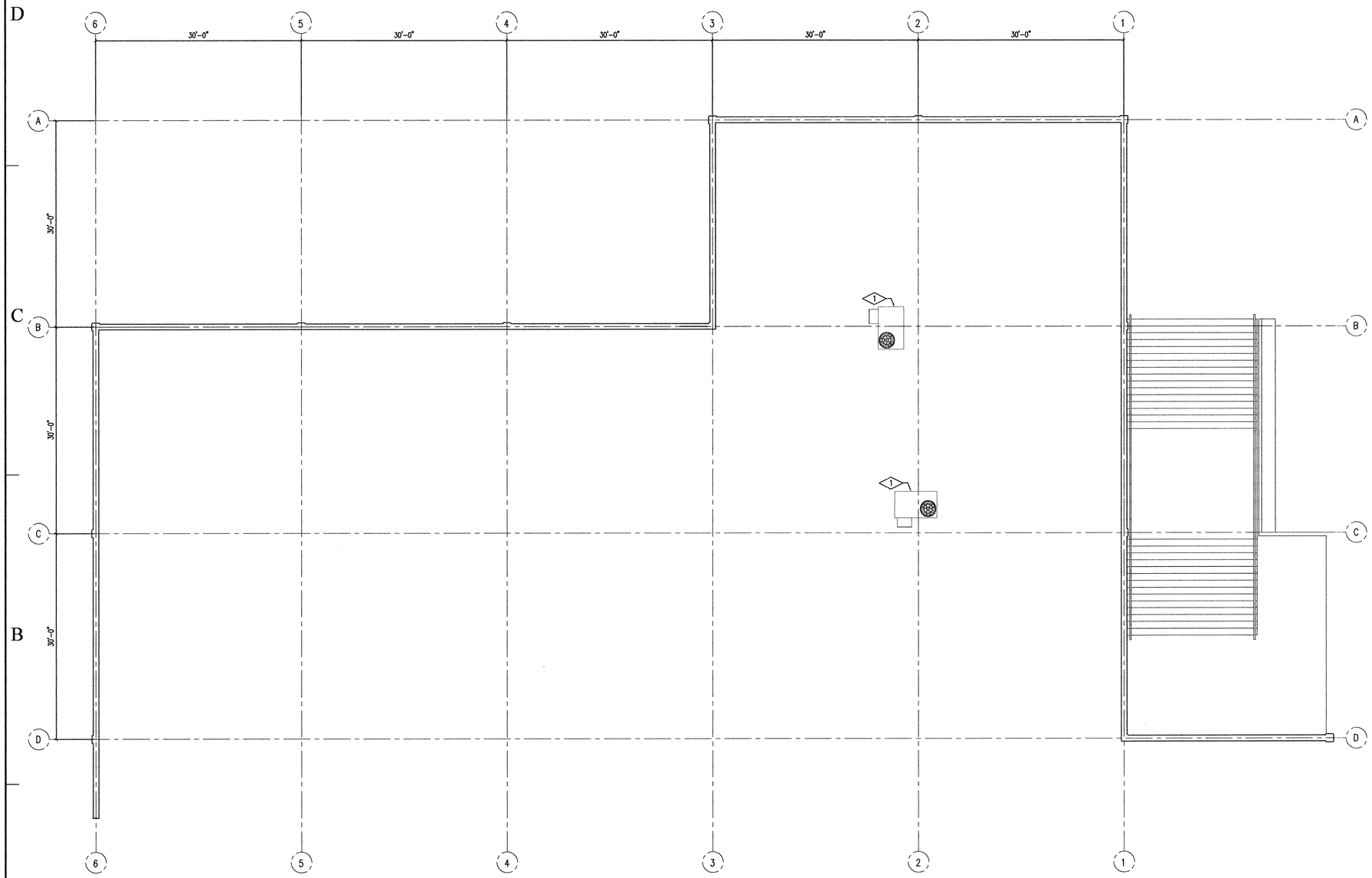
SHEET TITLE

MEZZANINE LEVEL
NEW FLOOR
AND CEILING PLAN

SHEET NUMBER

A-FP102



01 AFP103 ROOF PLAN
SCALE 1/8" = 1'-0"

REFERENCE NOTES

1. NEW HVAC ROOF TOP UNITS. GENERAL CONTRACTOR SHALL PROVIDE NEW MECHANICAL UNIT CURBING AND TIE INTO EXISTING B.U.R. SYSTEM TO MAINTAIN EXISTING ROOFING SYSTEM WARRANTY, SEE STRUCTURAL DRAWING AND MECHANICAL DRAWINGS AND SPECIFICATIONS.

GENERAL NOTES

1. CONTRACTOR MUST VISIT THE SITE SO AS TO BE FAMILIAR WITH ALL EXISTING CONDITIONS. BRING ANY QUESTIONS OR CONCERNS TO THE ATTENTION OF THE PROJECT MANAGER FOR CLARIFICATION, FOR ADDENDUM 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 STANDARD AND REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR RESPONSIBLE TO KEEP BUILDING WATERTIGHT AT ALL TIMES. STARTING FROM NOTICE TO PROCEED TO SUBSTANTIAL COMPLETION ANY DAMAGE TO THE BUILDING OF ITS CONTENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
5. GENERAL CONTRACTOR SHALL COORDINATE SHUTDOWN OF EXISTING MECHANICAL SYSTEMS WITH USERS PRIOR TO STARTING WORK.
6. ALL PIPES, CONDUITS AND MECHANICAL UNITS TO REMAIN ON ROOF ARE TO BE PROTECTED AND KEPT CLEAN THROUGH THE END OF CONSTRUCTION.
7. THE GENERAL CONTRACTOR SHALL PROVIDE PROTECTION FOR THE EXISTING BUILDING, WALK WAYS AND SURROUNDING SITE AS NECESSARY FROM DAMAGE THAT MAY RESULT FROM THE REMOVAL OF EXISTING MECHANICAL UNITS AND ROOFING MATERIALS.
8. GENERAL CONTRACTOR SHALL KEEP ALL WALKWAYS OPEN DURING THE CONSTRUCTION PERIOD. ABSOLUTELY NO MATERIAL SHALL BE DROPPED, OR THROWN FROM THE ROOF.
9. BEFORE FABRICATION OF ANY SHEET METAL WORK, SUBMIT SHOP DRAWINGS TO PROJECT ARCHITECT FOR REVIEW AND APPROVAL.
10. FIELD VERIFY ALL DIMENSIONS PRIOR TO ORDERING ANY MATERIALS, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. DO NOT SCALE DRAWINGS FOR QUANTITIES.
11. ANY SIDING, FASCIA, ETC. THAT NEEDS TO BE REMOVED TO COMPLETE THIS JOB ARE TO BE PART OF THE CONTRACT. CARE MUST BE TAKEN TO ENSURE THAT ALL ITEMS TO BE REINSTALLED ARE NOTE DAMAGED DURING REMOVAL AND/OR INSTALLATION. CONTRACTOR WILL REPLACE ALL PIECES THAT ARE DAMAGED.
12. AT THE END OF CONSTRUCTION, CONTRACTOR IS TO CLEAN OUT AND FLUSH ALL ROOF DRAIN LINES TO MAKE SURE THEY ARE NOT PLUGGED AND ARE IN WORKING CONDITION.

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STATE OF UTAH SCOTT R. PARTON 261110 LICENSED ARCHITECT 2/31/09

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

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SHEET TITLE

ROOF PLAN

SHEET NUMBER

A-FP103

DOOR AND FRAME SCHEDULE

DOOR	SINGLE/PAIR	DOOR SIZE WxH	DOOR DEPTH	DOOR TYPE	DOOR MATL	DOOR FINISH	FRAME DEPTH	FRAME TYPE	FRAME MATL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL THRSH	HARD-WARE SET	FIRE RATING DOOR & FRAME	NOTES
610A	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED	6"	02	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
610B	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED	6"	02	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
610C	S	3'-0" X 7'-0"	1 3/4"	C	H.M.	PAINTED	4½"		H.M.	PAINTED			11 ADT500	02		
610D	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED		04	H.M.	PAINTED	06 ADT500	06 ADT500	—	03		
610E	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED		02	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
610F	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED		02	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
610G	S	3'-0" X 7'-3"	1 3/4"	B	W.D.	STAINED	6"	02	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
610H	S	3'-0" X 7'-3"	1 3/4"	A	W.D.	STAINED	6"	02	H.M.	PAINTED	06 ADT500	06 ADT500	—	09	20MIN.	
611A	P	3'-0" X 7'-0"	1 3/4"	B	W.D.	STAINED	6"	03	H.M.	PAINTED	06 ADT500	06 ADT500	—	07		
611B														01		EXSTING DOOR AND FRAME TO REMAIN (SAND, CLEAN & REPAINT)
612A	P	3'-0" X 7'-0"	1 3/4"	A	W.D.	STAINED	6"	03	H.M.	PAINTED	06 ADT500	06 ADT500	—	08		
612B														01		EXSTING DOOR AND FRAME TO REMAIN (SAND, CLEAN & REPAINT)
612C	P	3'-0" X 7'-0"	1 3/4"	B	W.D.	STAINED	6"	05	H.M.	PAINTED	08 ADT500	07&08 ADT500	—	05		
674M	P	3'-0" X 7'-0"	1 3/4"	A	W.D.	STAINED	6"	03	H.M.	PAINTED	06 ADT500	06 ADT500	—	08		
675M	S	3'-0" X 7'-0"	1 3/4"	B	W.D.	STAINED	6"	03	H.M.	PAINTED	06 ADT500	06 ADT500	—	04		
676M	S	3'-0" X 7'-0"	1 3/4"	B	W.D.	STAINED	6"	03	H.M.	PAINTED	06 ADT500	06 ADT500	11 ADT500	06		

NOTES:
1. GENERAL CONTRACTOR SHALL NOTE THAT DOOR FRAMES 611A,612A AND 612C SHALL BE SET SO THAT BOTTOM OF DOOR FRAME SHALL BE SET 3" ABOVE EXISTING CONCRETE FLOOR SLAB

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING TYPE	CEILING HEIGHT	NOTES
610A	OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610B	OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610C	COMMON	F1	B1	W1	W1	W1	W1	CT-1	18'-10 ½"	
610D	OPEN OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610E	OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610F	OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610G	OFFICE	F1	B1	W1	W1	W1	W1	CT-2	8'-0"	
610H	CORRIDOR	F1	B1	W1	—	W1	—	CT-2	8'-0"	
610I	STAIR	F5	SEE STAIR FINISH NOTES ON DRAWING AEP702					CT-1	18'-10 ½"	ALL EXPOSED STEEL FRAMING TO BE PAINTED
611	DANCE STUDIO	F2	B2	W1	W1	W1	W1	CT-1	18'-10 ½"	
612	DANCE STUDIO	F2	B2	W1	W1	W1	W1	CT-1	18'-10 ½"	
612A	STORAGE	F1	B1	W1	W1	W1	W1	CT-1	9'-6"	
673M	WALKWAY	F3	B1	W1	W1	W1	W1	CT-1	9'-6"	
674M	STORAGE	F3	B1	W1	W1	W1	W1	CT-1	9'-6"	
675M	OFFICE	F3	B1	W1	W1	W1	W1	CT-2	8'-0"	
676M	STUDIO	F4	B3	W1	W1	W1	W1	CT-1	9'-6"	

BASE TYPES

B1	4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION
B2	6" COVED RUBBER BASE, SEE SPECIFICATION
B3	4" COVED RUBBER BASE, SEE SPECIFICATION

FLOOR FINISHES

F1	CARPET, SEE SPECIFICATION
F2	EXISTING CONCRETE TO REMAIN UNDISTURBED
F3	CARPET OVER 5/8" T&G PLYWOOD ATTACHED TO EXISTING METAL DECK.
F4	3/4" BAMBOO T&G FLOORING OVER 5/8" T&G PLYWOOD ATTACHED TO EXISTING METAL DECKING
F5	SEE STAIR FINISH NOTES ON DRAWING A-EP702

WALL FINISHES

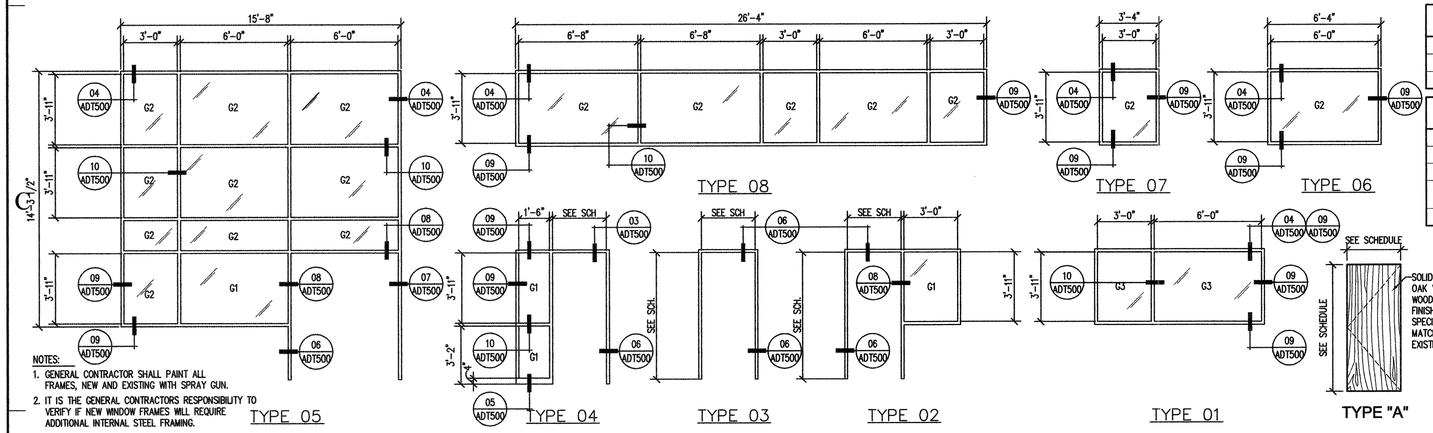
W1	PRIMED & PAINTED GYPSUM BOARD, SEE SPECIFICATION

CEILING TYPES

CT-1	EXISTING EXPOSED STRUCTURE TO REMAIN UNDISTURBED.
CT-2	NEW 2X2 LAY-IN CEILING SYSTEM, SEE SPECIFICATION

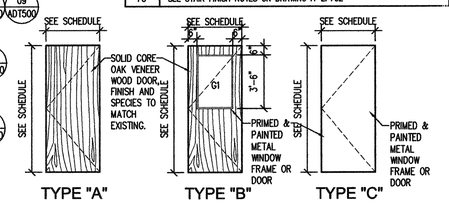
GLAZING TYPES

G1	¼" TEMPERED, CLEAR GLAZING
G2	¼" CLEAR GLAZING
G3	1" INSULATED CLEAR GLAZING



NOTES:
1. GENERAL CONTRACTOR SHALL PAINT ALL FRAMES, NEW AND EXISTING WITH SPRAY GUN.
2. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO VERIFY IF NEW WINDOW FRAMES WILL REQUIRE ADDITIONAL INTERNAL STEEL FRAMING.

13 ADT500 DOOR AND WINDOW FRAME TYPES
SCALE 1/4" = 1'-0"



12 ADT500 DOOR TYPES
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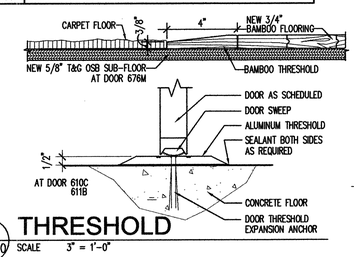

11 ADT500 THRESHOLD
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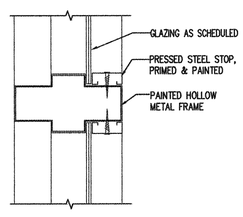

10 ADT500 MULLION DETAIL
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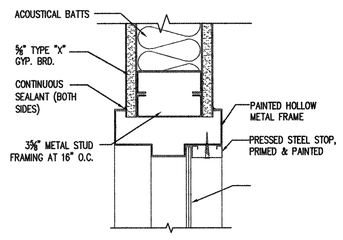
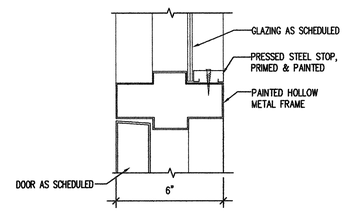


09 ADT500 JAMB / HEAD DETAIL
SCALE 3" = 1'-0"



08 ADT500 JAMB DETAIL
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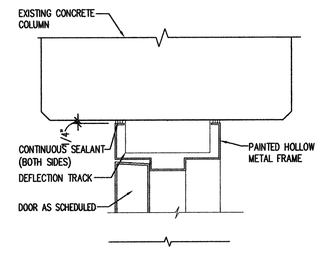
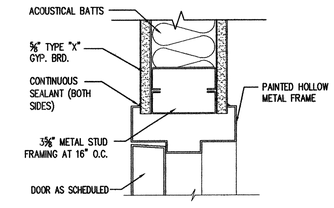
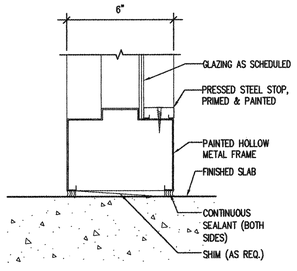


07 ADT500 JAMB / HEAD DETAIL
SCALE 3" = 1'-0"



06 ADT500 JAMB / HEAD DETAIL
SCALE 3" = 1'-0"



05 ADT500 SILL DETAIL
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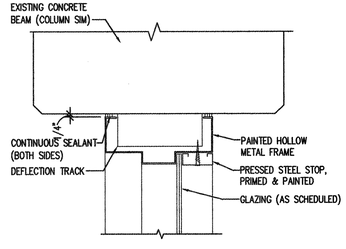

04 ADT500 JAMB / HEAD DETAIL
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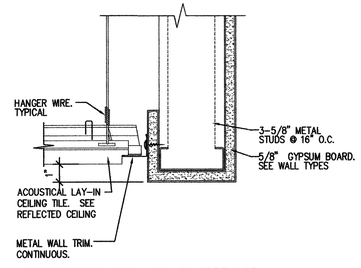

03 ADT500 BULK HEAD DETAIL
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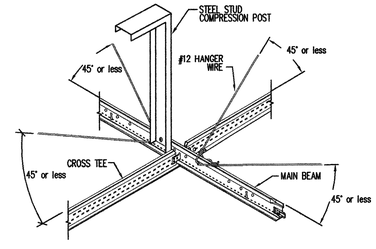

02 ADT500 HORIZONTAL RESTRAINT
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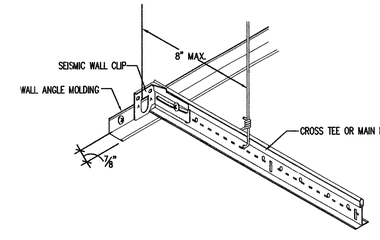

01 ADT500 LAY-IN CEILING DETAIL
SCALE 3" = 1'-0"

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STATE OF UTAH SCOTT A. TATE 261110 LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

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CAD PROJECT NO:
CAD DWG FILE:
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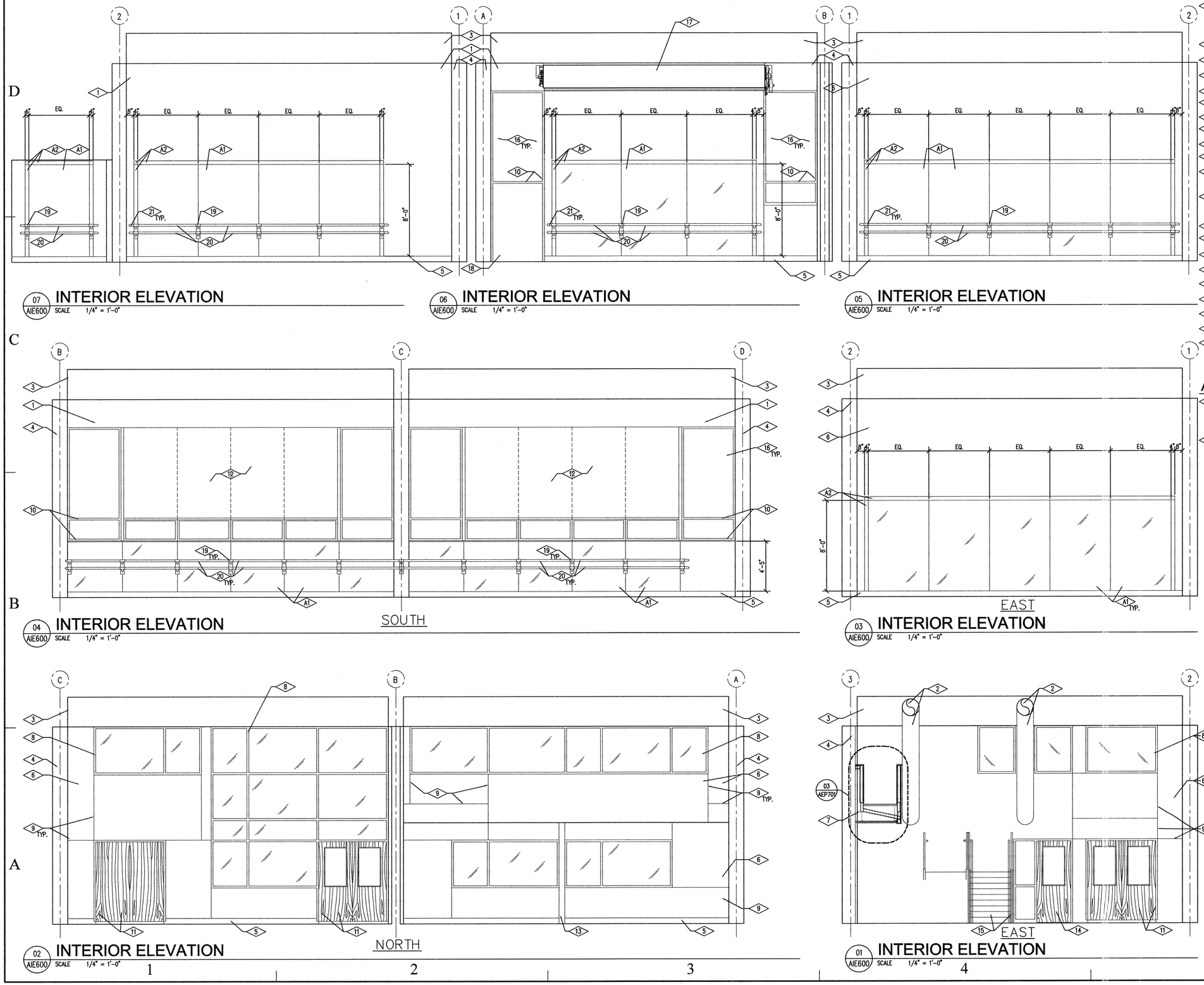
SHEET TITLE
SCHEDULES AND DETAILS

SHEET NUMBER
A-DT500



REFERENCE NOTES

1. AT EXISTING GYPSUM BOARD WALLS THAT ARE TO REMAIN, THE GENERAL CONTRACTOR SHALL PATCH, REPAIR AND FINISH WALL SURFACES TO CREATE A "LIKE NEW" APPEARANCE AND TO RECEIVE NEW PAINT COATING
2. MECHANICAL DUCT LOCATION, SEE MECHANICAL DRAWINGS
3. EXISTING CONCRETE BEAM TO REMAIN UNDISTURBED
4. EXISTING CONCRETE COLUMN TO REMAIN UNDISTURBED
5. NEW 6" RUBBER BASE, SEE SPECIFICATION
6. NEW GYPSUM BOARD WALL PRIMED AND PAINTED, SEE SPECIFICATION
7. OPEN WALKWAY, SEE DETAIL
8. NEW WINDOW SYSTEM, SEE WINDOW TYPES AND SCHEDULES
9. GYPSUM BOARD REVEAL, SEE DETAIL 05/AEP701
10. EXISTING WINDOW FRAME TO BE SANDED, CLEANED, AND REPAINTED
11. NEW DOOR AND FRAME. GENERAL CONTRACTOR SET BOTTOM OF DOOR AND FRAME 3" ABOVE CONCRETE FLOOR SLAB
12. EXISTING METAL WINDOW/WALL PANELS TO BE SANDED, CLEANED, AND REPAINTED. GENERAL CONTRACTOR SHALL SPRAY METAL WALL PANELS
13. EXISTING STEEL COLUMN TO BE REPAINTED
14. NEW DOOR AND FRAME, SEE DOOR AND FRAME SCHEDULE
15. NEW STEEL STAIR SYSTEM, SEE SECTION AND DETAILS
16. EXISTING GLAZING TO REMAIN UNDISTURBED. GENERAL CONTRACTOR TO CLEAN
17. EXISTING COILING OVERHEAD DOOR HOOD TO BE CLEANED
18. EXISTING METAL DOOR AND FRAME TO BE SANDED, CLEANED, AND REPAINTED
19. NEW POWDER COATED DANCE BAR WALL BRACKET, SEE DETAIL 08/AEP700
20. 2" DIA SOLID ASH DANCE BAR RAILING, SEE DETAIL
21. EXTEND DANCE BARRE AT ENDS BY 4", PROVIDE ROUNDED END

ADD ALT. NUMBER 1

A1. GENERAL CONTRACTOR SHALL PROVIDE ¼" GLASS MIRRORS AT LOCATION AS SHOWN. MIRRORS SHALL HAVE 1/16" BEVELED EDGES AT PERIMETER. MIRRORS TO BE CUT AT DANCE BARRE MOUNTING BRACKETS AS SHOWN

A2. GENERAL CONTRACTOR AS PART OF ADD ALT. NO. 1 SHALL PROVIDE 4" WIDE PREMIUM GRADE SOLID ASH WOOD TRIM AT PERIMETER OF MIRRORS AS SHOWN, SEE DETAILS 07/AEP700

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STATE OF UTAH LICENSED ARCHITECT 261110 3/31/09

architecture planning design

CONSULANT:

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

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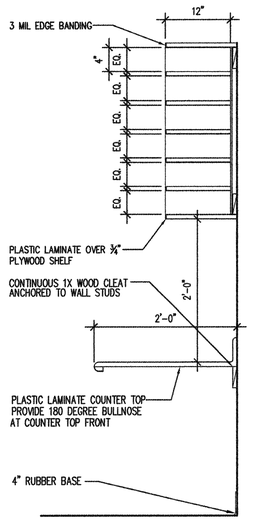
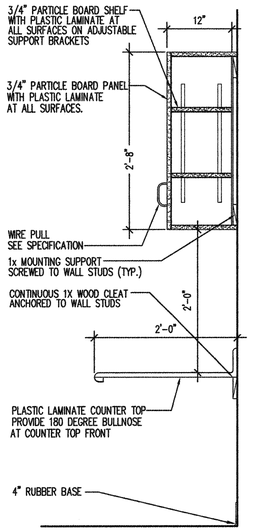
INTERIOR ELEVATIONS

SHEET NUMBER

A-IE600



10 AEP700 **CASEWORK SECTION**
SCALE 1" = 1'-0"



09 AEP700 **CASEWORK SECTION**
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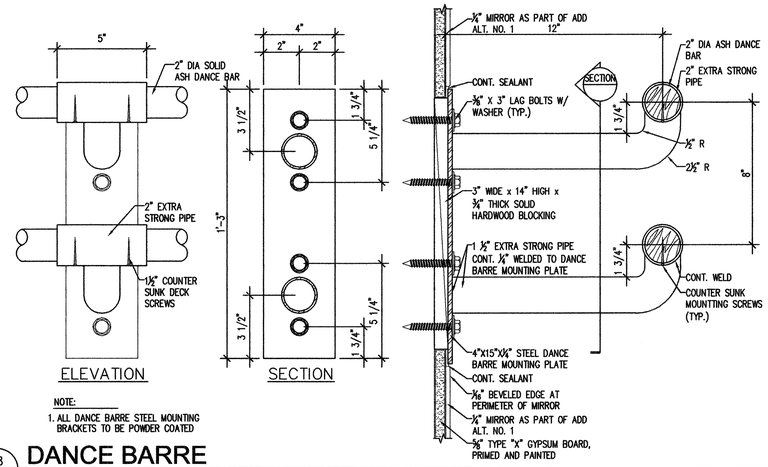
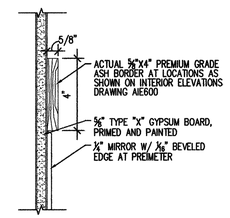
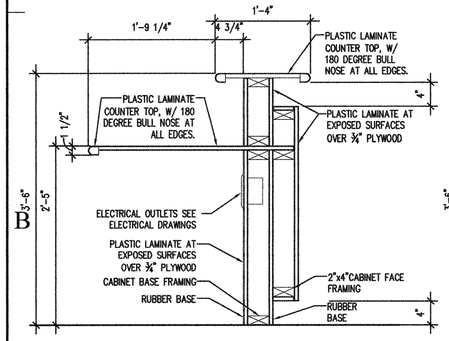


NOTE:
1. ALL DANCE BARRE STEEL MOUNTING BRACKETS TO BE POWDER COATED

08 AEP700 **DANCE BARRE**
SCALE 3" = 1'-0"



07 AEP700 **ASH BORDER (ALT NO.1)**
SCALE 3" = 1'-0"



06 AEP700 **RECEPTION DESK SECTION**
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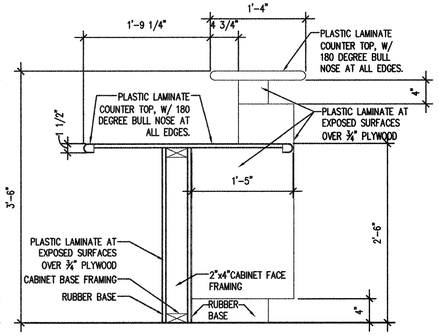

05 AEP700 **ADA DESK SECTION**
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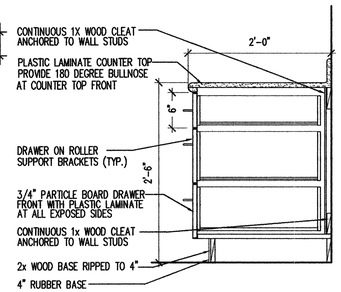
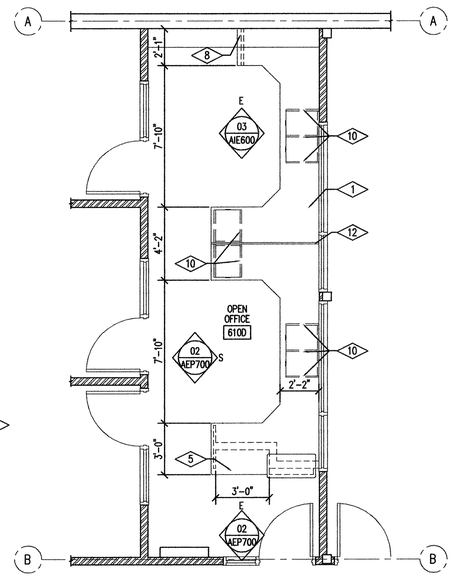


04 AEP700 **CASEWORK SECTION**
SCALE 1" = 1'-0"



PLAN NORTH

01 AEP700 **ENLARGED FLOOR PLAN**
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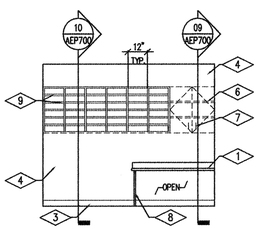
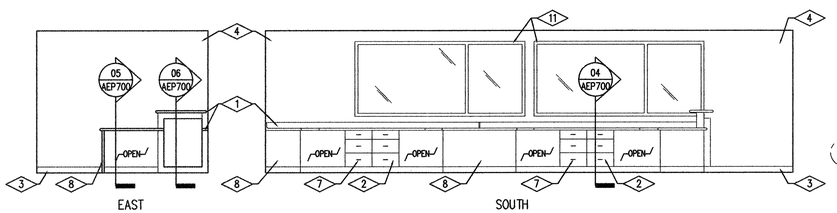


03 AEP700 **INTERIOR ELE. 610D**
SCALE 1/4" = 1'-0"



02 AEP700 **INTERIOR ELE. OPEN OFFICE 610D**
SCALE 1/4" = 1'-0"

REFERENCE NOTES

1. PRE-FORMED PLASTIC LAMINATE COUNTERTOP W/ FULL 180° DEGREE BULL NOSE & PRE-FORMED BACKSPLASH, SEE SECTION
2. PLASTIC LAMINATE CASE WORK, SEE INTERIOR ELEVATIONS, SECTIONS & SPECIFICATIONS
3. 4" STRIGHT EDGE RUBBER BASE, SEE SPECIFICATION 09653
4. PRIMED AND PAINTED GYPSUM BOARD WALL, SEE FINISH SCHEDULE
5. ADA ACCESSIBLE COUNTER, SEE CASEWORK SECTIONS ACW700
6. PLASTIC LAMINATE OVER ¾" PLYWOOD SHELVES, SEE SECTION.
7. CASEWORK DOOR PULLS, SEE SPECIFICATION
8. DASHED LINES INDICATE PLASTIC LAMINATE OVER ¾" PLYWOOD COUNTERTOP SUPPORTS.
9. PLASTIC LAMINATE OVER ¾" PLYWOOD FRAMING MAIL SLOT STORAGE BINS, SEE SECTION.
10. DASHED LINES INDICATE PLASTIC LAMINATE DRAWERS BELOW CONTER, SEE SECTION 04/AEP700
11. HOLLOW METAL WINDOW FRAME AND GLAZING, SEE WINDOW TYPES
12. 4" HIGH PLASTIC LAMINATE DIVIDER AT TOP OF COUNTER
13. PROVIDE 2" GROMMET AT COUNTER TOP

GENERAL NOTES

1. REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH NOTES
2. CONTRACTOR SHALL PROVIDE ADDITIONAL STUDS AS REQUIRED FOR PARTITION AND FIXTURE INSTALLATIONS
3. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BACKING AND ADDITIONAL STUDS AS REQUIRED FOR INSTALLATION OF ALL PLUMBING FIXTURES, APPLIANCES, COUNTER TOPS ETC.
4. CONTRACTOR TO FIELD VERIFY LOCATION AND PLACEMENT OF ALL FIXTURES AND ACCESSORIES AND COORDINATE WITH A.D.A. REQUIREMENTS

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STATE OF UTAH SCOTT R. PARR 261110 LICENSED ARCHITECT 3/31/09

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CONSULANT:

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

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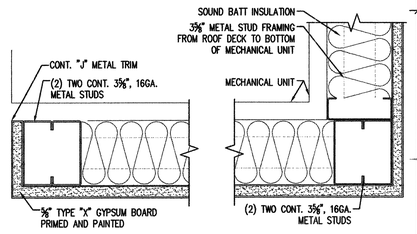
SHEET TITLE
ENLARGED PLANS
CASEWORK INTER.
ELEV. MISC DETAILS

SHEET NUMBER
A-EP700

REFERENCE NOTES

1 NOTE.

05 AEP701 **JOINT DETAIL**
SCALE 3" = 1'-0"



04 AEP701 **MECHANICAL ENCLOSURE**
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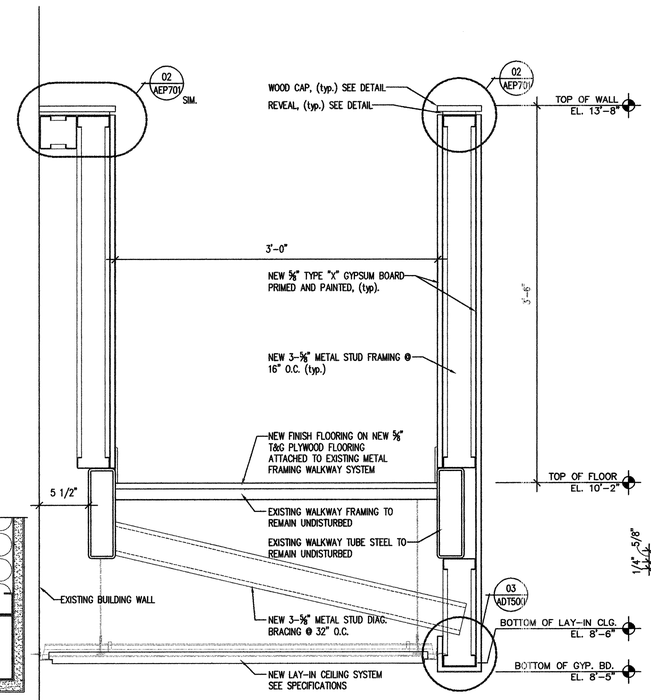

03 AEP701 **WALKWAY SECTION**
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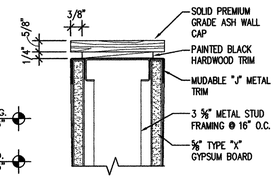
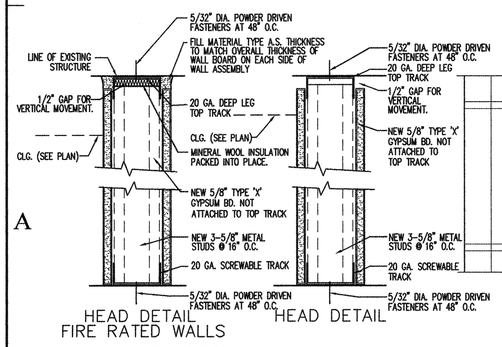


02 AEP701 **WOOD WALL CAP**
SCALE 3" = 1'-0"



01 AEP701 **WALL TYPES**
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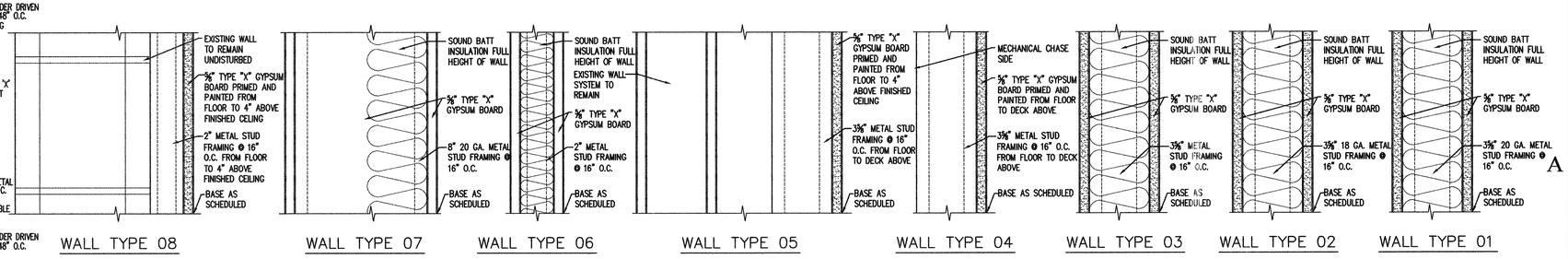

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STATE OF UTAH — SCOTT K. PETERSEN — 261110 — 3/31/09 — LICENSED ARCHITECT

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GUNTHER TRADES BUILDING
NEW DANCE STUDIO

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SHEET TITLE
MISCELLANEOUS SECTIONS, WALL TYPES AND DETAILS

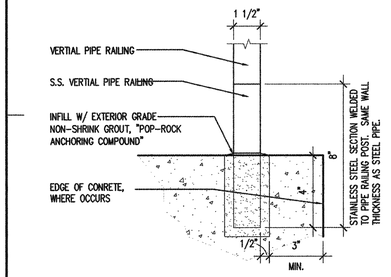
SHEET NUMBER
A-EP701

STAIR FINISH NOTES

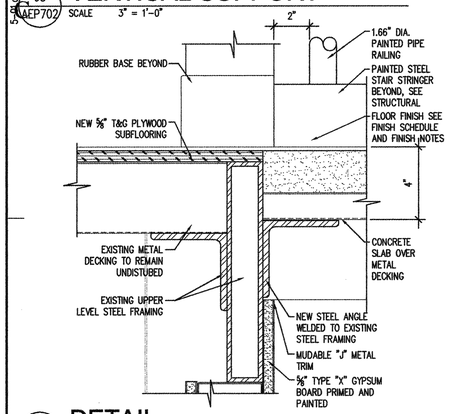
1. GENERAL CONTRACTOR TO PROVIDE "JHONSONITE" OR EQUAL RUBBER TREAD WITH INTEGRATED RISER FOR VISUALLY IMPAIRED, STYLE (VIRTR-SQ) COLOR BY ARCHITECT. GENERAL CONTRACTOR SHALL PROVIDE "JHONSONITE" OR EQUAL SMOOTH LANDING TILE. BOTH RUBBER TREAD AND LANDING TILE TO BE SOLID COLOR. GENERAL CONTRACTOR TO PROVIDE ALL REQUIRED ADHESIVES ETC.. FOR INSTALLATION
2. ALL EXPOSED STEEL STAIR AND HAND RAILING SURFACES, INCLUDING BOTTOM SIDE OF STAIR, SHALL BE PRIMED AND PAINTED, COLOR BY ARCHITECT

REFERENCE NOTES

1. 1.66" DIA PAINTED PIPE RAILING CONT. WELDED TO STRINGER
2. 2X12 STEEL STAIR STRINGER, SEE STRUCTURAL
3. EXISTING UPPER LEVEL STEEL FRAMING
4. NEW ⅝" T&G PLYWOOD SUBFLOORING ATTACHED TO EXISTING METAL DECKING
5. EXISTING CONCRETE FLOOR SLAB
6. PAINTED 1½" METAL DECKING, SEE STRUCTURAL
7. STEEL ANGLE, SEE STRUCTURAL
8. GENERAL CONTRACTOR SHALL WELD A 3"X3"X¼" T.S. TO TOP OF EXISTING UPPER LEVEL FRAMING TO PROVIDE SUPPORT FOR ENDS OF NEW WALL
9. NEW PAINTED EXPOSED MECHANICAL DUCT WORK
10. WOOD CAP AT TOP OF WALL, SEE DETAIL
11. PAINTED GYPSUM BOARD WALLS
12. 2X12 STEEL STAIR FRAMING, SEE STRUCTURAL
13. NEW LAY-IN CEILING SYSTEM, SEE REFLECTED CEILING PLAN AND SPECIFICATIONS
14. 3⅝" METAL STUD FRAMING @ 16" O.C.
15. 3"X3" STEEL COLUMN, SEE STRUCTURAL
16. CONCRETE FILLED STAIR PAN WELDED TO STRINGER
17. CONCRETE OVER METAL DECKING AT @ LANDING
18. RETURN HAND RAILING BACK TO GUARD RAILING
19. TRANSITION STRIP



08 AEP702 VERTICAL SUPPORT
SCALE 3" = 1'-0"



07 AEP702 DETAIL
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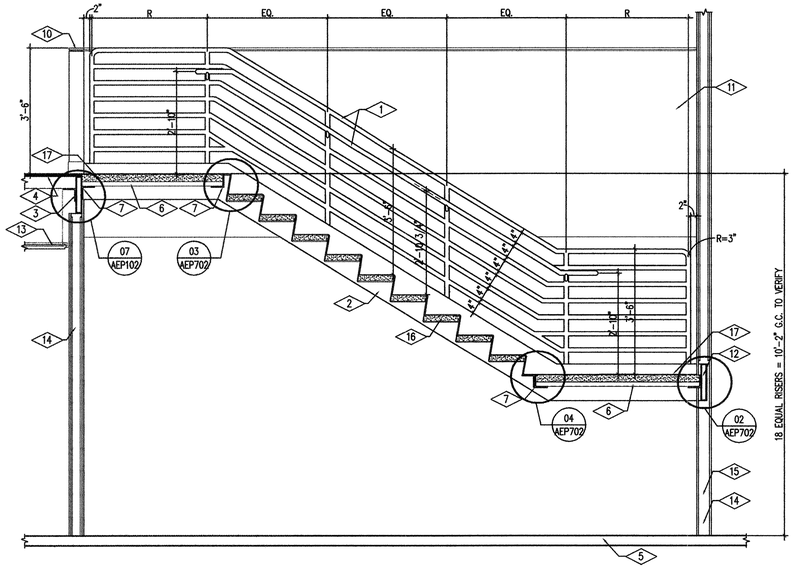
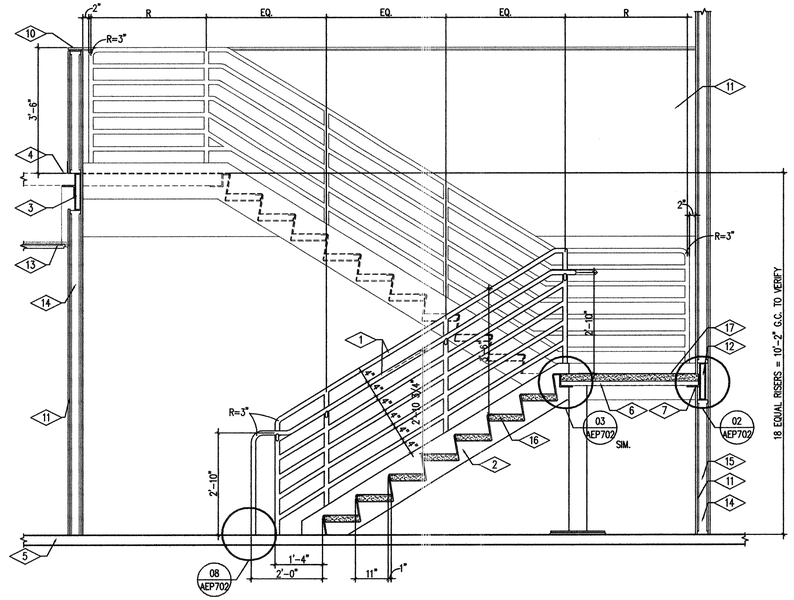


06 AEP702 STAIR SECTION
SCALE 1/2" = 1'-0"



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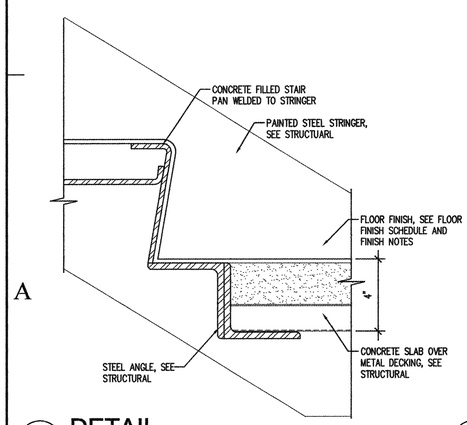
SCALE 1/2" = 1'-0"



04 AEP702 DETAIL
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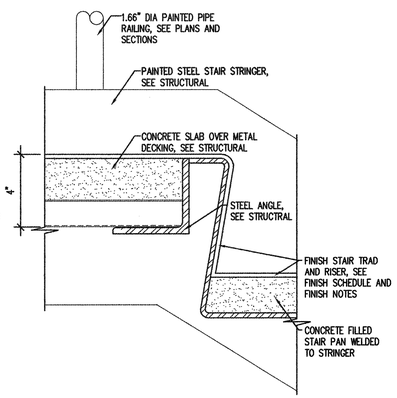

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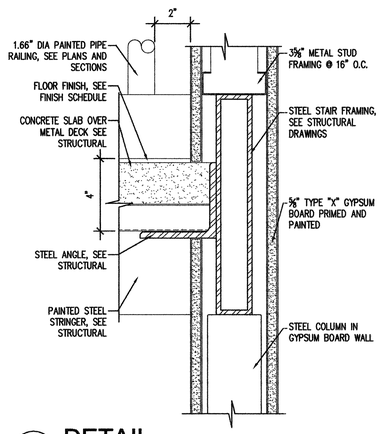
SCALE 3" = 1'-0"



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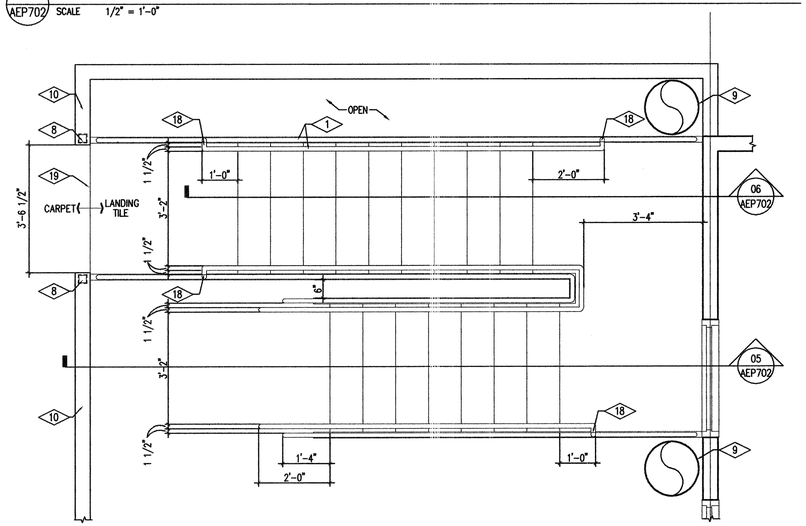
SCALE 3" = 1'-0"



01 AEP702 ENLARGED STAIR PLAN
SCALE 1/2" = 1'-0"

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STATE OF UTAH SCOTT K. PARR 261110 LICENSED ARCHITECT

architecture planning design

CONSULANT:

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 31st MARCH, 2009

DFCM PROJECT NO: 08321790
CAD PROJECT NO:
CAD DWG FILE:
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SHEET TITLE
ENLARGED STAIR PLAN, STAIR SECTIONS AND DET.

SHEET NUMBER
A-EP702

NOTES:

1. BEAM SIZES INDICATED ON THE PLANS ARE MINIMUM SIZES. LARGER SIZES MAY BE INSTALLED AT THE CONTRACTOR'S OPTION.
2. HOT-ROLLED STRUCTURAL STEEL SHAPES & PLATES SHALL BE PER ASTM A36 WITH THE FOLLOWING EXCEPTION. ALL HSS SHAPES SHALL BE PER ASTM A500 GR. B 46 ksi.
3. STRUCTURAL STEEL PIPE SHALL BE PER ASTM A53 GRADE B, TUBE STEEL PER ASTM A500 GRADE B.
4. NUTS & BOLTS IN STRUCTURAL STEEL CONNECTIONS SHALL BE PER ASTM 325N, WITH HARDENED WASHERS. DESIGN IS BASED UPON BEARING TYPE CONNECTIONS WITH THREAD NOT EXCLUDED, THEREFORE, NO SPECIAL INSPECTION REQUIRED.
5. WELDS SHALL BE BY E70XX, LOW HYDROGEN ELECTRODES, ALL WELDING SHALL BE PERFORMED IN A SHOP APPROVED BY THE BUILDING OFFICIAL.
6. GROUT MATERIAL FOR BASE PLATES SHALL BE NON-METALLIC, NON-SHRINK, PRE-PACKAGED GROUT CONFORMING TO ASTM C 1107 (5000 psi).

STAIR FRAMING NOTES

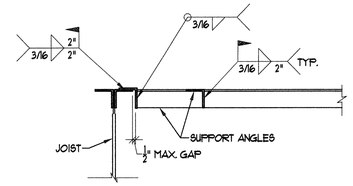
1. STAIR SHOP DRAWINGS TO BE SUBMITTED TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
2. SHORE STEEL DECK AT LANDING PER MANUFACTURER'S RECOMENDATIONS.
3. SEE ARCHITECTURAL DRAWINGS FOR STAIR DIMENSIONS, ELEVATIONS AND DETAILS.

FOUNDATION NOTES:

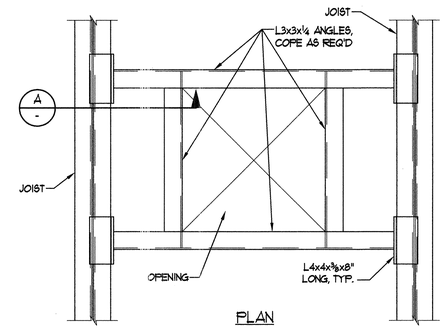
1. DO NOT UNDERMINE EXISTING FOOTINGS DURING INSTALLATION OF NEW FOOTINGS FOR STAIRS.
2. EDGE OF EXISTING GRADE SLABS SHALL BE BEAR ON 3" MINIMUM NEW CONCRETE AT SAW-CUT EDGES.
3. PLACE IN FOURBACK AREA AND ALLOW TO REACH 7 DAY STRENGTH BEFORE REMOVING SHORING FOR STAIRS.
4. FOOTINGS ARE DESIGNED BASED ON AN ALLOWABLE SOIL PRESSURE OF 1500 PSF.
5. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. DESIGN IS BASED ON 2500 PSI, SPECIAL INSPECTION IS NOT REQUIRED.
5. NEW ISOLATED FOOTINGS TO BE CENTERED BELOW POSTS.

FOOTING SCHEDULE

MARK	SIZE	REBAR
F2.0	2'-0" SQ. x 12" THICK	(3) # 4 EACH WAY
F2.5	2'-6" SQ. x 12" THICK	(4) # 4 EACH WAY
F3.0	3'-0" SQ. x 12" THICK	(4) # 4 EACH WAY



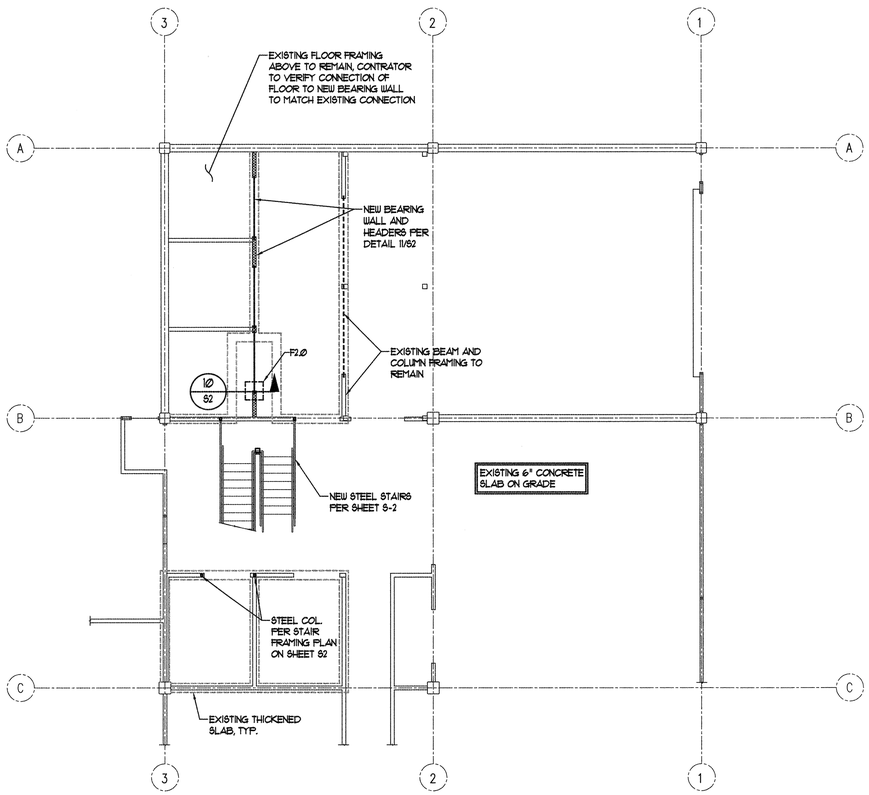
A
-
SECTION



PLAN

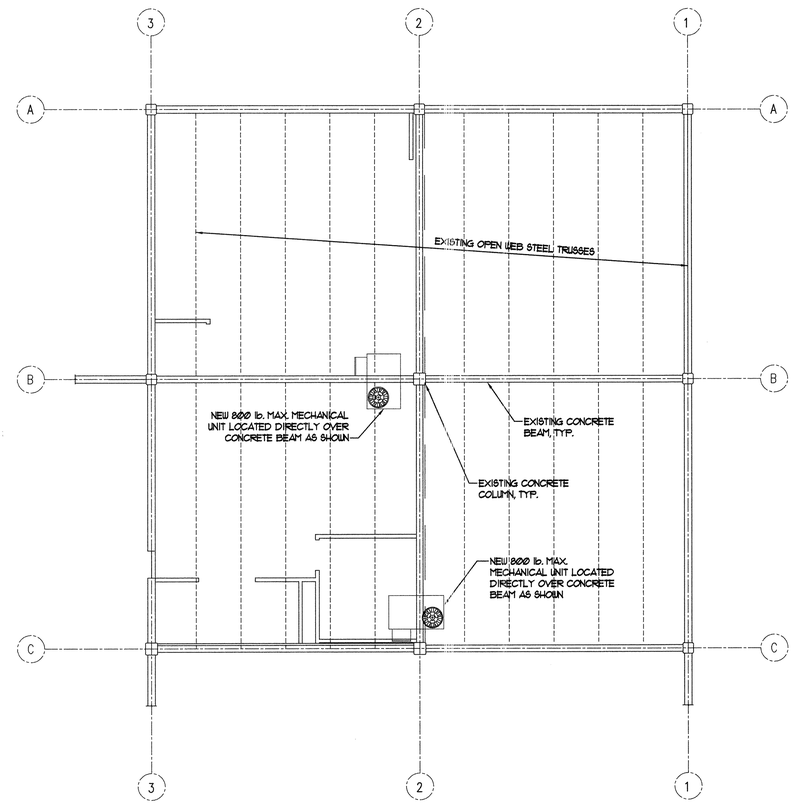
TYPICAL ROOF OPENING SUPPORT

N.T.S.



NEW FLOOR AND FOUNDATION PLAN

1/8" = 1'-0"



NEW ROOF TOP UNIT PLAN

1/8" = 1'-0"

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PROFESSIONAL STRUCTURAL ENGINEER No. 5339760 JACOB S. PROCTOR STATE OF UTAH
04-06-09

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
NEW DANCE STUDIO

MARK	DATE	DESCRIPTION

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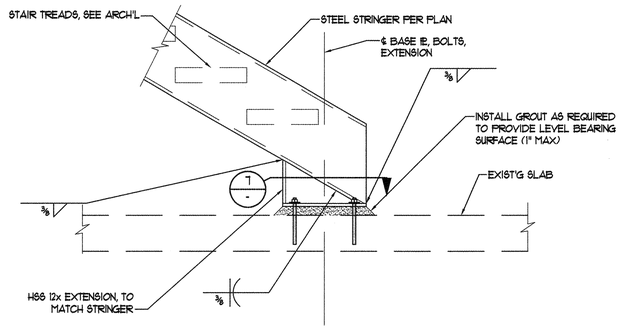
SHEET TITLE

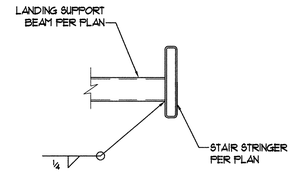
FLOOR AND ROOF PLANS

SHEET NUMBER

S1



N.T.S. **9**



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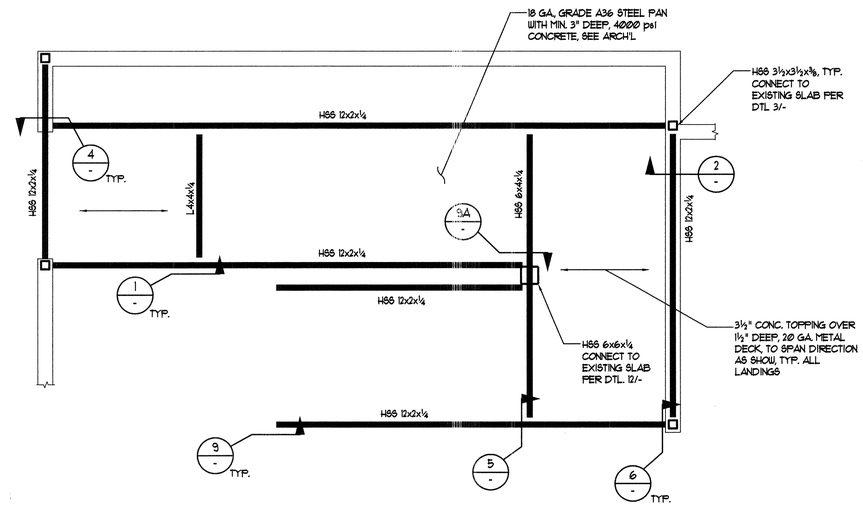
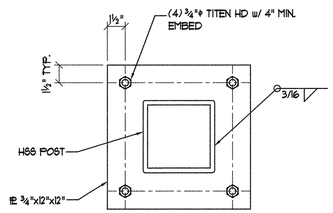


STAIR FRAMING PLAN

1/4" = 1'-0"



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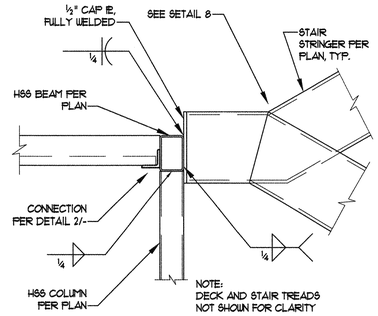

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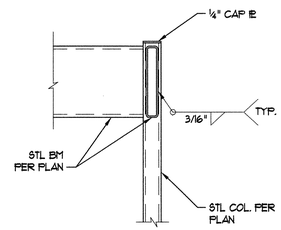
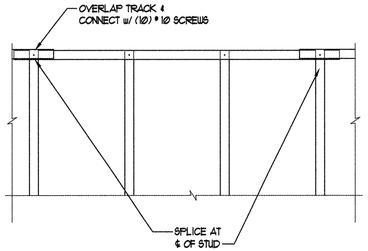


BM TO PIPE CONN.

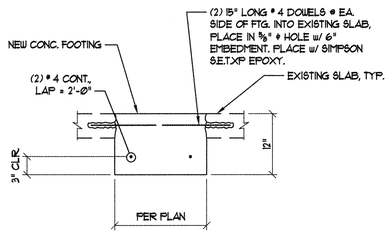
N.T.S. **6**



NOTE:
WHERE SPLICE LENGTH IS LESS THAN 4'-0" INSTALL ST6224 STRAP AT PL SPLICES. STRAPS ARE NOT REQUIRED WHERE ONE OF THE PLATES IS CONTINUOUS FOR AT LEAST 4'-0" IN EACH DIRECTION.

TYPICAL TOP PLATE SPLICE

N.T.S. **13**



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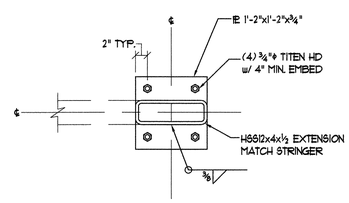

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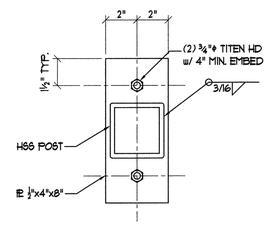

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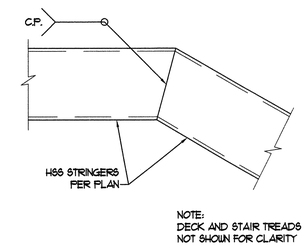
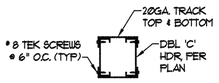


N.T.S. **1**

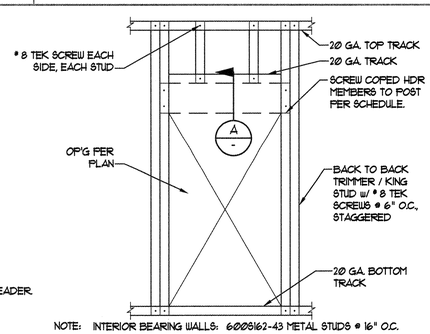


NOTE: SCREW COPED HDR MEMBERS TO TRIMMER PER SCHEDULE.

A BOX HEADER

CONNECTION SCHEDULE		
HEADER (2-PLY)	SCREW TYPE	# OF SCREWS
600S162-68	#10	10 EA MEMBER

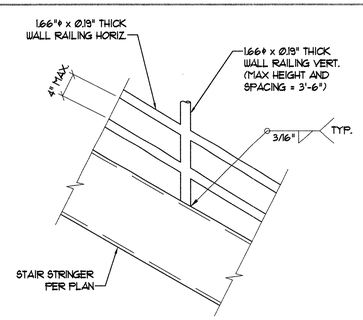
NOTE: 1. GAGE OF TRIMMER / KING STUD AT MINIMUM TO MATCH THAT OF HEADER.
2. 600S162-68 INDICATES: 6" WIDE (600), 1⅝" FLANGE WIDTH (162), & 68 MILS THICKNESS (14 GAUGE).



NOTE: INTERIOR BEARING WALLS: 600S162-43 METAL STUDS @ 16" O.C.

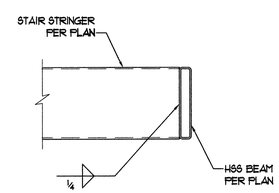
TYPICAL WALL FRAMING

N.T.S. **11**



TYPICAL RAILING DETAIL

N.T.S. **8**



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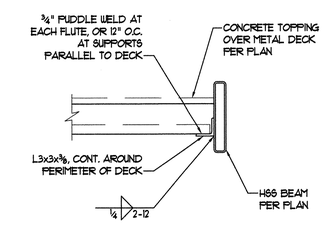

N.T.S. **2**

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GUNTHER TRADES BUILDING
NEW DANCE STUDIO

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SHEET TITLE
STAIR FRAMING AND STRUCTURAL DETAILS

SHEET NUMBER
S2

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

MECHANICAL

	POSITIVE PRESSURE DUCT – RISE
	POSITIVE PRESSURE DUCT – DROP
	NEGATIVE PRESSURE DUCT – RISE
	NEGATIVE PRESSURE DUCT – DROP
	ROUND DUCT – RISE
	ROUND DUCT – DROP
	UNDER FLOOR DUCT
	TURNING VANES
	FRESH AIR LOUVER
	RELIEF AIR OR EXHAUST AIR LOUVER
12X12 200	CEILING SUPPLY DIFFUSER
22X22 200	CEILING RETURN REGISTER
12X12 200	CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN)
24X10 200	SIDEWALL SUPPLY REGISTER
24X10 200	SIDEWALL EXHAUST OR RETURN REGISTER
12X12 200	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
12X12 200	CEILING AIR GRILLE WITH FLEXIBLE DUCT
	TOP FIGURES INDICATE NECK SIZE. BOTTOM FIGURE INDICATES CFM.
	CEILING RETURN AIR GRILE W/ SOUND BOOT
3-1" SLOTS @ 48" 400	LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	FAN
12/8 FO	FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
12/8	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
12ø	ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES.
UP	INCLINED RISE
DN	INCLINED DROP
	WITH RESPECT TO AIR FLOW 15° NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT.
W R	R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR
12/12 8/8	RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWSE.
12/12 12ø	RECTANGULAR TO ROUND DUCT TRANSFORMATION
R	BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
45° 1-50 D 1-250 D	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
12ø 12/12	HIGH EFFICIENCY FITTING
	MANUAL VOLUME DAMPER
FD	FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD.
FSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL
SD	SMOKE DAMPER W/ ACCESS PANEL
BDD	BACK DRAFT DAMPER
ATC OR	ATC DAMPER
AD	ACCESS PANEL IN DUCT OR PLENUM
	HEATING OR COOLING COIL IN DUCT
	SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET.
	4-WAY BLOW PATTERN
	3-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	2-WAY BLOW PATTERN
	1-WAY BLOW PATTERN
SD	DUCT SMOKE DETECTOR
	UNIT HEATER

PLUMBING

	FLOOR SINK
	FLOOR DRAIN
FCO COTG	FLOOR CLEAN-OUT OR CLEAN-OUT TO GRADE
	ROOF DRAIN
	DOWNSPOUT NOZZLE
	ARROW INDICATES DIRECTION OF FLOW IN PIPE
	CHECK VALVE
	PRESSURE REDUCING, EXTERNAL PRESSURE VALVE
	PRESSURE REDUCING, SELF CONTAINED VALVE
	ATC VALVE – 2 WAY
	ATC VALVE – 3 WAY
	SOLENOID VALVE
	GATE VALVE
	GATE VALVE – NON RISING STEM
	GLOBE VALVE
	TEMPERATURE AND PRESSURE TEST PORT
PS	PRESSURE SWITCH
	GAS COCK
BF GPM	CALIBRATED BALANCING VALVE WITH GPM INDICATED
RPBP	REDUCED PRESSURE BACKFLOW PREVENTOR W/ DRAIN PAN
	BRANCH – BOTTOM CONNECTION
	BRANCH – TOP CONNECTION
	BRANCH – SIDE CONNECTION
	RISE OR DROP
	RISER – DOWN (ELBOW)
	RISER – DOWN (ELBOW)
VTR	VENT THRU ROOF
	WATER HAMMER ARRESTOR
	INLINE PUMP
	INLINE PUMP
	CLEAN-OUT
	RELIEF VALVE
	ANGLE VALVE
	FLOW METER
	UNION
	BALANCING COCK
	SHUT-OFF COCK FOR USE WITH PRESSURE GAUGE
	FLEXIBLE EXPANSION JOINT
	THERMOMETER – TEMP RANGE AS INDICATED
	PRESSURE GAUGE WITH SHUT-OFF COCK
	PRESSURE GAUGE WITH PIGTAIL
	LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
	BALL VALVE (PIPE SIZES 2" AND SMALLER) BUTTERFLY VALVE (PIPE SIZES 2-1/2" AND LARGER)
	MOTOR OPERATED BUTTERFLY VALVE
	VALVE IN RISE
	AIR VENT-MANUAL
	AIR VENT-AUTO
	FLOW SWITCH
	REDUCER
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER

PLUMBING CONT.

	THERMOSTATIC MIXING VALVE
	HOSE BIBB
	PIPE CAP
S	SWITCH
	SENSOR
T	THERMOSTAT
TN	NIGHT THERMOSTAT
	FILL PORT
	DRAIN PAN AND P-TRAP
(NAME)	FIXTURE FROM LEVEL ABOVE
GPM LB/HR.	FLOW METER ORIFICE
	FLANGE
	90° ELBOW
	STEAM TRAP, F&T=FLOAT & THERMOSTATIC 45° ELBOW
F&T	B=BUCKET, T=THERMOSTATIC
DN	LEADER INDICATES DOWNWARD SLOPE
	DEMOLITION
	ALIGNMENT GUIDE
	ANCHOR
	LUBRICATED PLUG COCK

SYMBOLS

P-1	PLUMBING FIXTURES
	POINT OF CONNECTION
A M-101	SECTION TAG – TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.
A M101	DETAIL TAG – TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.
EF 1	EQUIPMENT IDENTIFICATION
1	KEYED NOTE IDENTIFICATION

FIRE

	HOSE VALVE
	NRS GATE VALVE WITH SUPERVISION
	FLOW SWITCH
	FIRE RISER
	SPRINKLER HEAD
F	FIRE SPRINKLER WATER

LINETYPES

AV	ACID VENT
AW	ACID WASTE
BBD	BOILER BLOW DOWN
BF	BOILER FEED WATER
B	BRINE
CO2	CARBON DIOXIDE
CA	COMPRESSED AIR
CF	CHEMICAL FEED
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CS	CONDENSER WATER SUPPLY
CR	CONDENSER WATER RETURN
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	DOMESTIC HOT WATER RETURN (DHWR)
DI	DEIONIZED WATER SUPPLY
DIR	DEIONIZED WATER RETURN
E(NAME)	EXISTING PIPING
(NAME)	EXISTING PIPING TO BE REMOVED
GHR	GLYCOL HEAT RECOVERY PIPING
G(NAME)	GLYCOL PIPING SOLUTION
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT
G	NATURAL GAS
HG	HOT GAS
HFR	HELICOPTER FUEL RETURN
HFS	HELICOPTER FUEL SUPPLY
HP(NAME)	HIGH PRESSURE DOMESTIC WATER
HPC	HIGH PRESSURE CONDENSATE
HPS	HIGH PRESSURE STEAM
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
IA	INSTRUMENT AIR
IA 120	INSTRUMENT AIR AT PRESSURE INDICATED
LA	LAB AIR
LV	LAB VACUUM
LPC	LOW PRESSURE CONDENSATE
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE STEAM
MA	MEDICAL AIR
MA 120	MEDICAL AIR AT PRESSURE INDICATED
MPC	MEDIUM PRESSURE CONDENSATE
MPS	MEDIUM PRESSURE STEAM
MUW	MAKE UP WATER
MV	MEDICAL VACUUM
N	NITROGEN
N2O	NITROUS OXIDE
OX	MEDICAL OXYGEN
OX 120	MEDICAL OXYGEN AT PRESSURE INDICATED
	PUMPED CONDENSATE

LINETYPES CONT.

RO	REVERSE OSMOSIS WATER SUPPLY
ROR	REVERSE OSMOSIS WATER RETURN
RD	ROOF DRAIN
RDO	ROOF DRAIN OVERFLOW
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
	SEWER (BELOW GRADE)
	SEWER (ABOVE GRADE)
SW	SOFT DOMESTIC WATER (SW)
V	VACUUM
	VENT (SEWER)

MECH. GENERAL NOTES

1. ALL CEILING DIFFUSERS SHOWN AS SUCH ARE CD-1, CFM AS NOTED, UNLESS OTHERWISE NOTED. REFER TO DETAIL A4/M501. (CFM)
2. ALL CEILING RETURN GRILLES SHOWN AS SUCH ARE RG-1 UNLESS OTHERWISE NOTED.
3. ALL CEILING EXHAUST GRILLES SHOWN AS SUCH ARE EG-1, CFM AS NOTED, UNLESS OTHER-WISE NOTED. (CFM)
4. DO NOT ROUTE DUCTS AND PIPES ABOVE ELECTRICAL PANELS. ALL ELECTRICAL PANELS MUST HAVE CLEAR ACCESS SPACE IN FRONT OF PANEL 4'-0" DEEP AND 6'-6" HIGH. DO NOT ROUTE DUCTS AND PIPES IN ELECTRICAL ROOMS, EXCEPT DUCTS AND PIPES SERVING THE ROOM.
5. COORDINATE EXACT LOCATIONS OF CEILING DIFFUSERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
6. ALL DUCT DIMENSIONS ARE INSIDE FREE AREA DIMENSIONS. ADJUST SHEET METAL DIMENSION FOR LINED DUCT.
7. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
8. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL EQUIPMENT, VALVES, VAV BOXES, FIRE DAMPERS, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.
9. ALL DUCT AND FLUE PENETRATIONS THRU 1 HOUR ROOF ASSEMBLY TO BE ENCLOSED WITH 2 SHEET ROCK LAYERS FROM SHEET ROCK AT BOTTOM OF ROOF TRUSSES TO ROOF DECK.
10. STEEL ROOF DECK SHALL NOT BE USED TO SUPPORT LOADS FROM PIPING, DUCTWORK OR EQUIPMENT, UNLESS NOTED OTHERWISE. HANGER LOADS LESS THAN 50 LBS. MAY BE HUNG FROM THE STEEL ROOF DECK IN CASES WHEN HANGING FROM THE STEEL ROOF DECK CANNOT BE AVOIDED; THE ATTACHMENT METHOD MUST DISTRIBUTE THE LOAD ACROSS THE DECK AS APPROVED BY THE STRUCTURAL ENGINEER.

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LICENSED PROFESSIONAL ENGINEER No. 189989 STEVEN T. SHEPHERD 3/30/09 STATE OF UTAH

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
DANCE STUDIO
IMPROVEMENTS

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st APRIL, 2009

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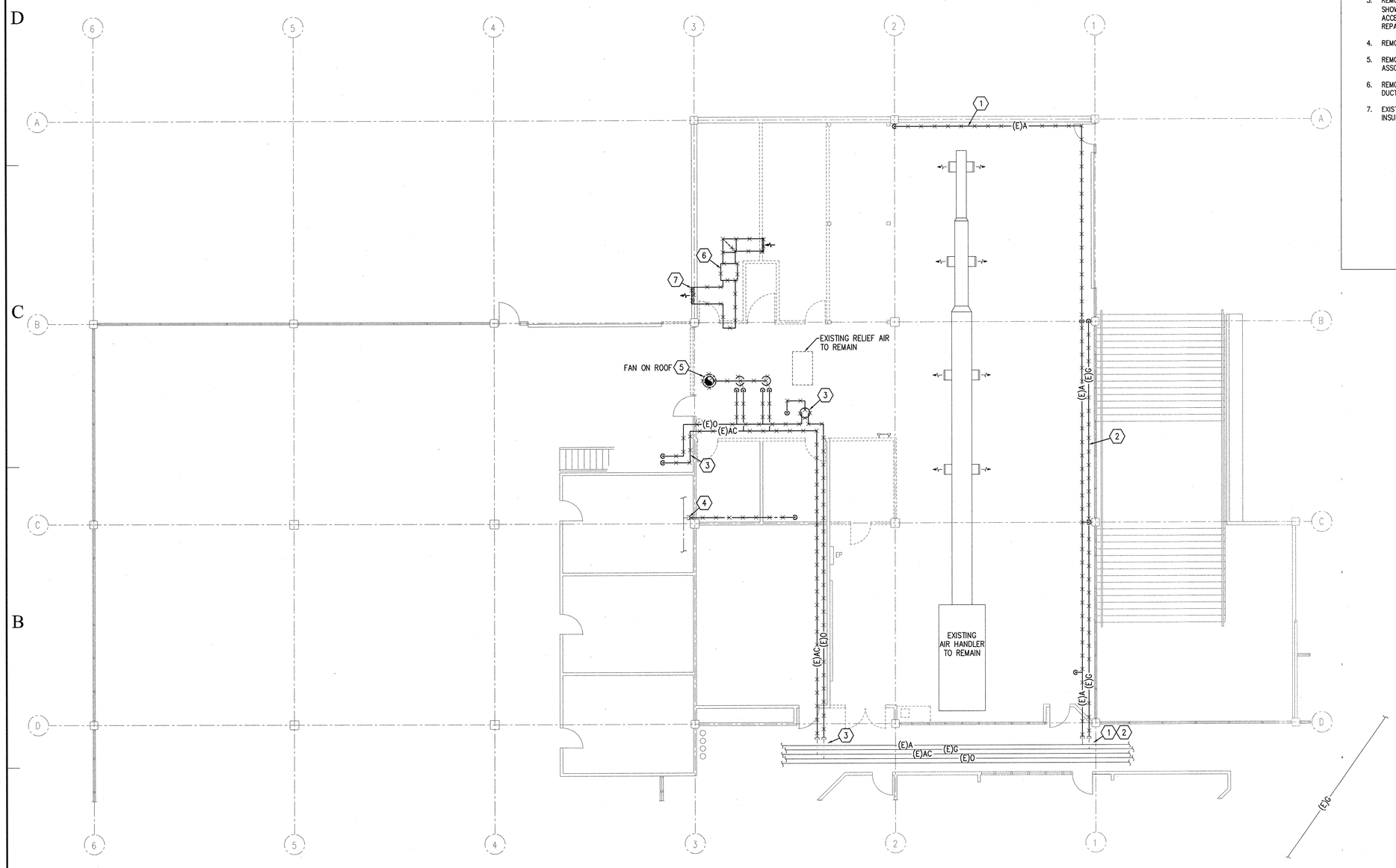
SHEET TITLE
MECHANICAL SYMBOLS AND ABBREVIATIONS

SHEET NUMBER
M001



0 4' 8' 16'

PLAN NORTH

MECHANICAL DEMOLITION FLOOR PLAN

Ø1 MD101 SCALE 1/8" = 1'-0"

KEYED NOTES

1. REMOVE EXISTING COMPRESSED AIR PIPING AS SHOWN X'D. CAP BACK AT MAIN.
2. REMOVE EXISTING NATURAL GAS PIPING AS SHOWN X'D. CAP BACK AT MAIN.
3. REMOVE EXISTING ACETYLENE AND OXYGEN PIPING AS SHOWN X'D. REMOVE ACETYLENE TANK AND ACCESSORIES AND PIPING THRU ROOF. PATCH AND REPAIR ROOF. CAP PIPING BACK AT MAIN.
4. REMOVE EXISTING WATER LINE. CAP AS SHOWN.
5. REMOVE EXISTING EXHAUST FAN ON ROOF AND ASSOCIATED DUCT WORK. PATCH AND REPAIR ROOF.
6. REMOVE EXISTING INDOOR EXHAUST FAN ASSOCIATED DUCTWORK.
7. EXISTING LOUVER TO REMAIN. COVER INSIDE WITH INSULATION AND SHEET METAL.

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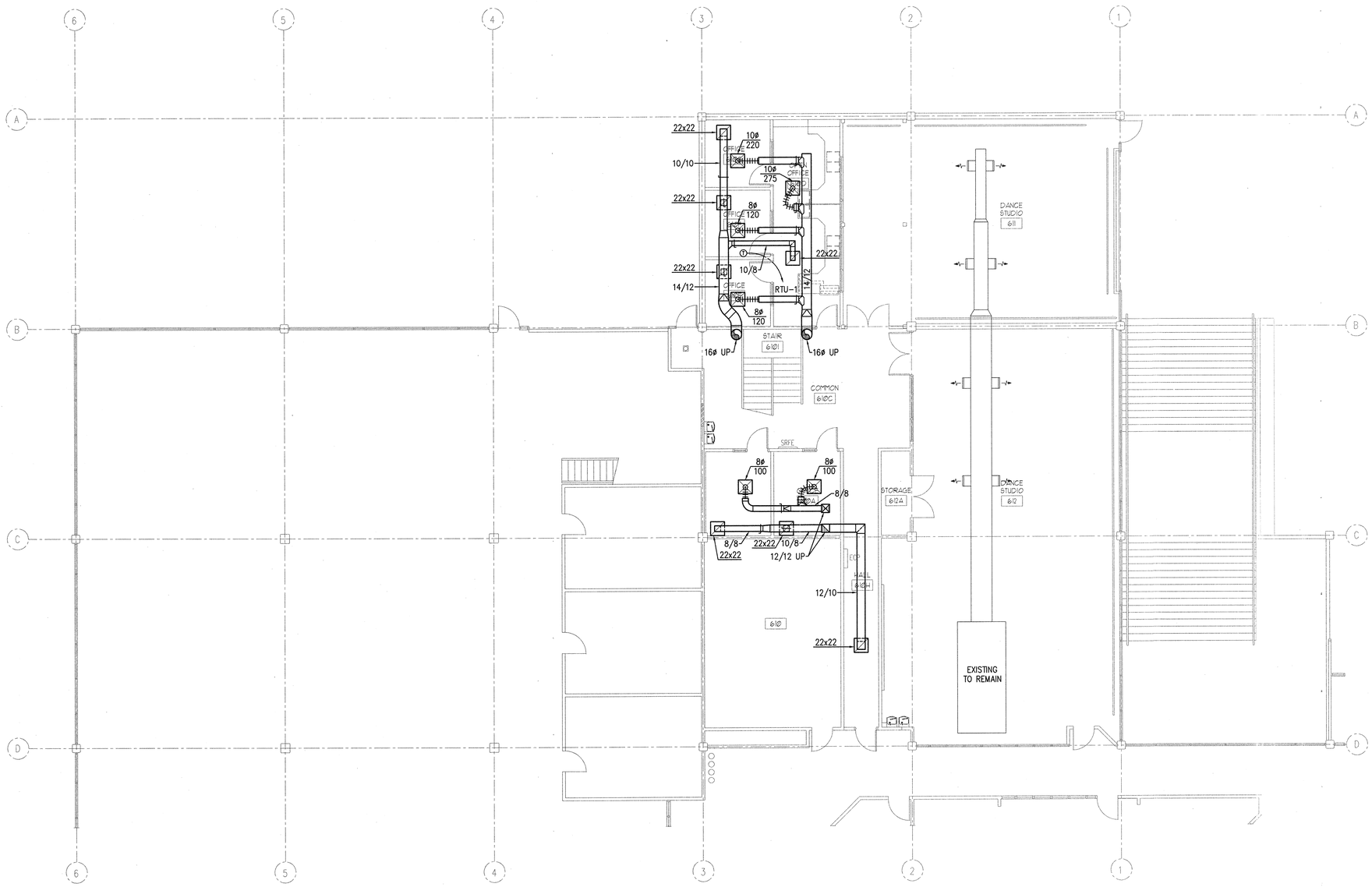
MECHANICAL DEMOLITION FLOOR PLAN

SHEET NUMBER

MD101



0 4' 8' 16'

N PLAN NORTH

01 M101 MECHANICAL FLOOR PLAN

SCALE 1/8" = 1'-0"

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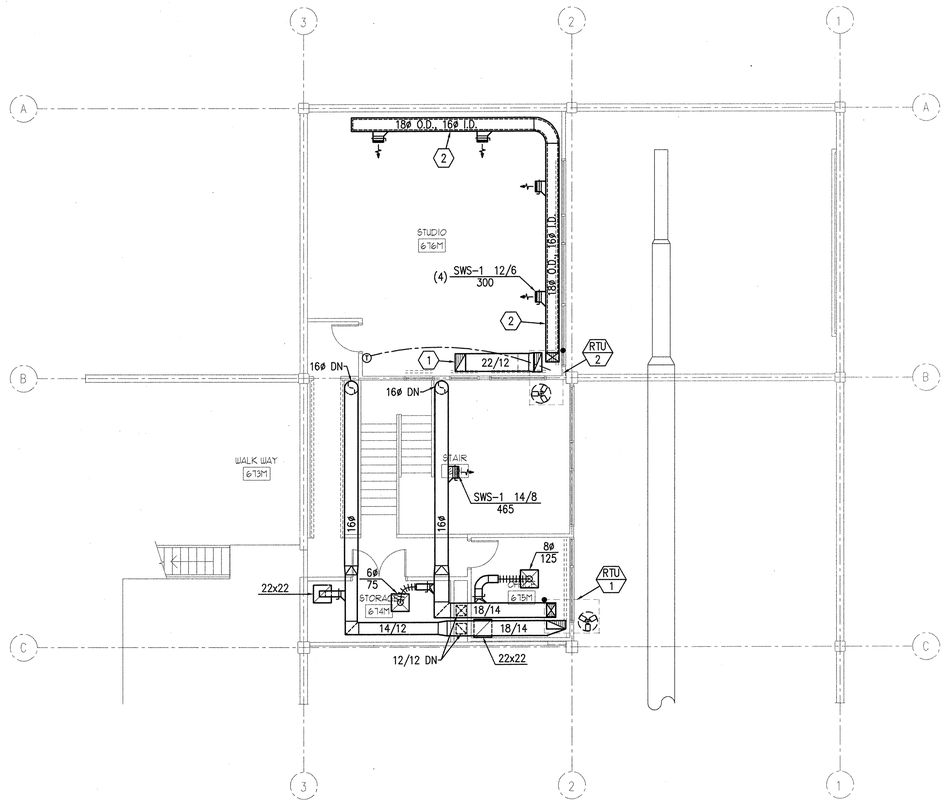
MECHANICAL
FLOOR PLAN

SHEET NUMBER

M101



0 4' 8' 16'

PLAN NORTH

Ø1 M102 MECHANICAL FLOOR PLAN MEZZANINE LEVEL

SCALE 1/8" = 1'-0"

KEYED NOTES

1. PROVIDE 20/24 OPENING AT TOP OF DUCT FOR RETURN AIR.
2. DOUBLE WALL DUCT WITH 1-INCH ACOUSTICAL INSULATION AND PERFORATED INNER LINER.

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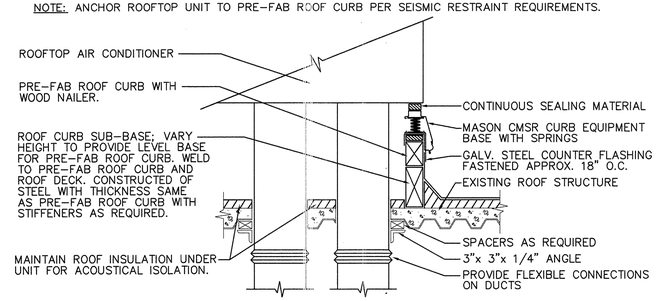
MECHANICAL FLOOR PLAN MEZZANINE LEVEL

SHEET NUMBER

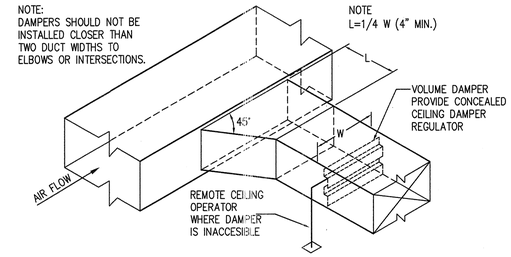
M102

NOTE: ANCHOR ROOFTOP UNIT TO PRE-FAB ROOF CURB PER SEISMIC RESTRAINT REQUIREMENTS.



C4 / M501 ROOFTOP UNIT ON SPRING BASE DETAIL

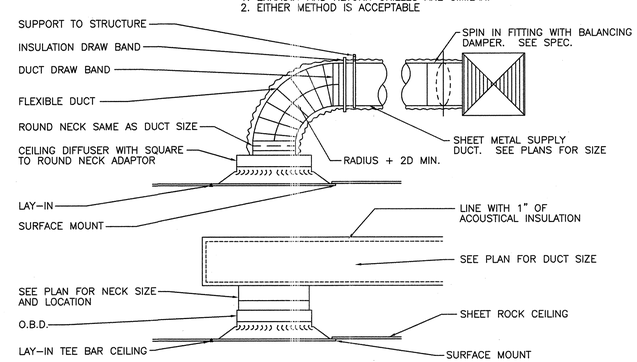
NO SCALE



B4 / M501 BRANCH DUCT TAKE-OFF & DAMPER DETAIL

NO SCALE

NOTES:
1. EXHAUST AND RETURN GRILLES ARE SIMILAR.
2. EITHER METHOD IS ACCEPTABLE



A4 / M501 CEILING DIFFUSER DETAIL

NO SCALE

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MECHANICAL DETAILS

SHEET NUMBER

M501

PACKAGED ROOFTOP UNIT SCHEDULE

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	SUPPLY FAN AIRFLOW RATE (CFM)	SUPPLY FAN EXTERNAL STATIC PRESSURE (IN. WATER)	HEATING SECTION HEATING INPUT (MBH)	HEATING SECTION HEATING OUTPUT (MBH)	HEATING SECTION ENTERING/ LEAVING AIR TEMP. (°F)	HEATING SECTION MEDIUM	COOLING SECTION COOLING LOAD (MBH)	COOLING SECTION TOTAL SENSIBLE (MBH)	COOLING SECTION ENTERING AIR TEMP. DB/WB (°F)	COOLING SECTION LEAVING AIR TEMP. DB/WB (°F)	COOLING SECTION MIN EER	ELECTRICAL TOTAL MCA	ELECTRICAL SINGLE POINT VOLT/PH/HZ	PHYSICAL CABINET LENGTH/ WIDTH/HEIGHT (IN)	PHYSICAL WEIGHT (LB)	NOTES
RTU-1	CARRIER 48TCEA05	ROOF	1,600	0.70	(82 / 115)	74.52	64/115	NAT GAS	39.69	36.12	78/60	53/50	9.04	23.5	208/3/60	74 / 44 / 34	750	1,2,3,4,5,6,7
RTU-2	CARRIER 48TCEA04	ROOF	1,200	0.70	(82 / 115)	74.52	45/113	NAT GAS	28.39	28.16	80/60	55/51	8.83	19.4	208/3/60	74 / 44 / 34	615	1,2,3,4,5,6,7

1. TWO-STAGE HEATING
2. PROVIDE SPRING VIBRATION ISOLATION CURB.
3. CAPACITES BASED ON 4500 FEET ELEVATION. CAPACITIES IN PARENTHESIS () ARE RATED AT SEA LEVEL.
4. UNIT SHALL COME WITH STARTER AND DISCONNECT.
5. UNIT SHALL COME WITH A CONVENIENCE OUTLET
6. R-410A
7. PROVIDE UNIT WITH 100% OUTSIDE AIR ECCONOMIZER WITH 100% POWER EXHUAST

GRILLES, REGISTERS AND DIFFUSERS

ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	EH PRICE	PDC	30	PERFORATED FACE CEILING DIFFUSERS. REMOVABLE FACE & CORE INDIVIDUALLY ADJUSTABLE CURVED BLADES, WITH OBD. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER.
RG-1	EH PRICE	PDDR	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.
SWS-1	EH PRICE	520S	30	DOUBLE DEFLECTION HIGH SIDEWALL SUPPLY REGISTER. VERTICAL FRONT WITH HORIZONTAL REAR DEFLECTION ADJUSTABLE VANES SPACED AT 3/4 INCH O.C. COMPLETE WITH OBD AND REMOVABLE CORE.

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MECHANICAL SCHEDULES

SHEET NUMBER

M601

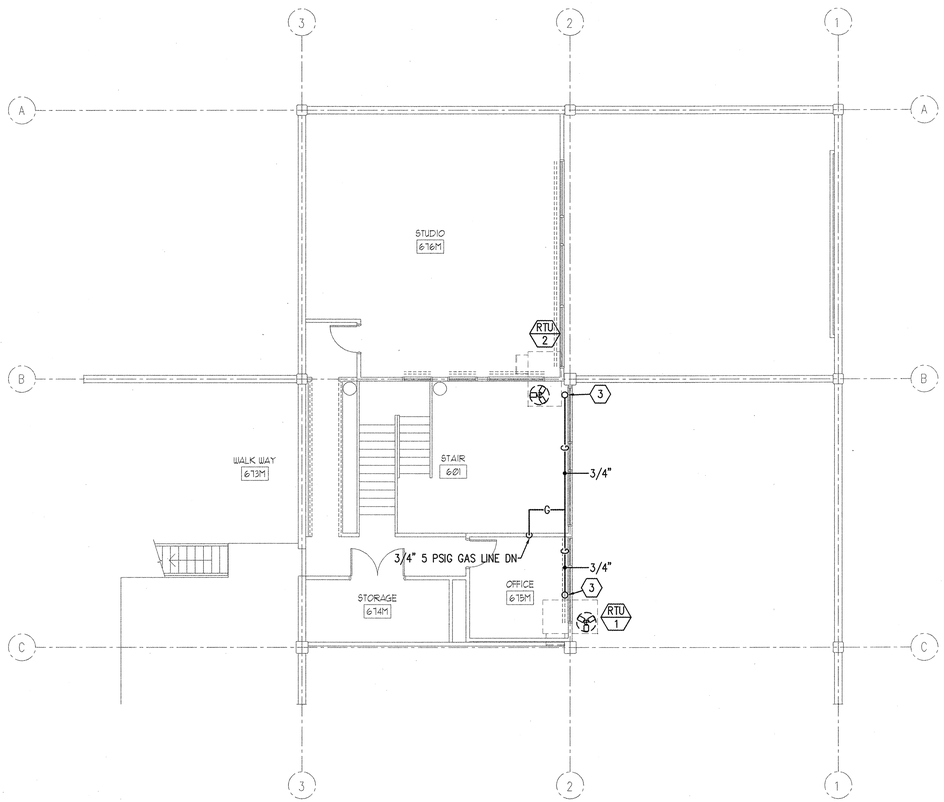
PLUMBING FIXTURE SCHEDULE

ID	FIXTURE	CW (IN)	HW (IN)	W (IN)	V (IN)	NOTES
DF-1	DRINKING FOUNTAIN	1/2	-.-	1 1/2	1 1/2	WALL MOUNTED; DUAL LEVEL; ADA

1. ALL UNDER GROUND WASTE AND VENT SHALL BE 2" OR GREATER PER DRAWINGS.

KEYED NOTES

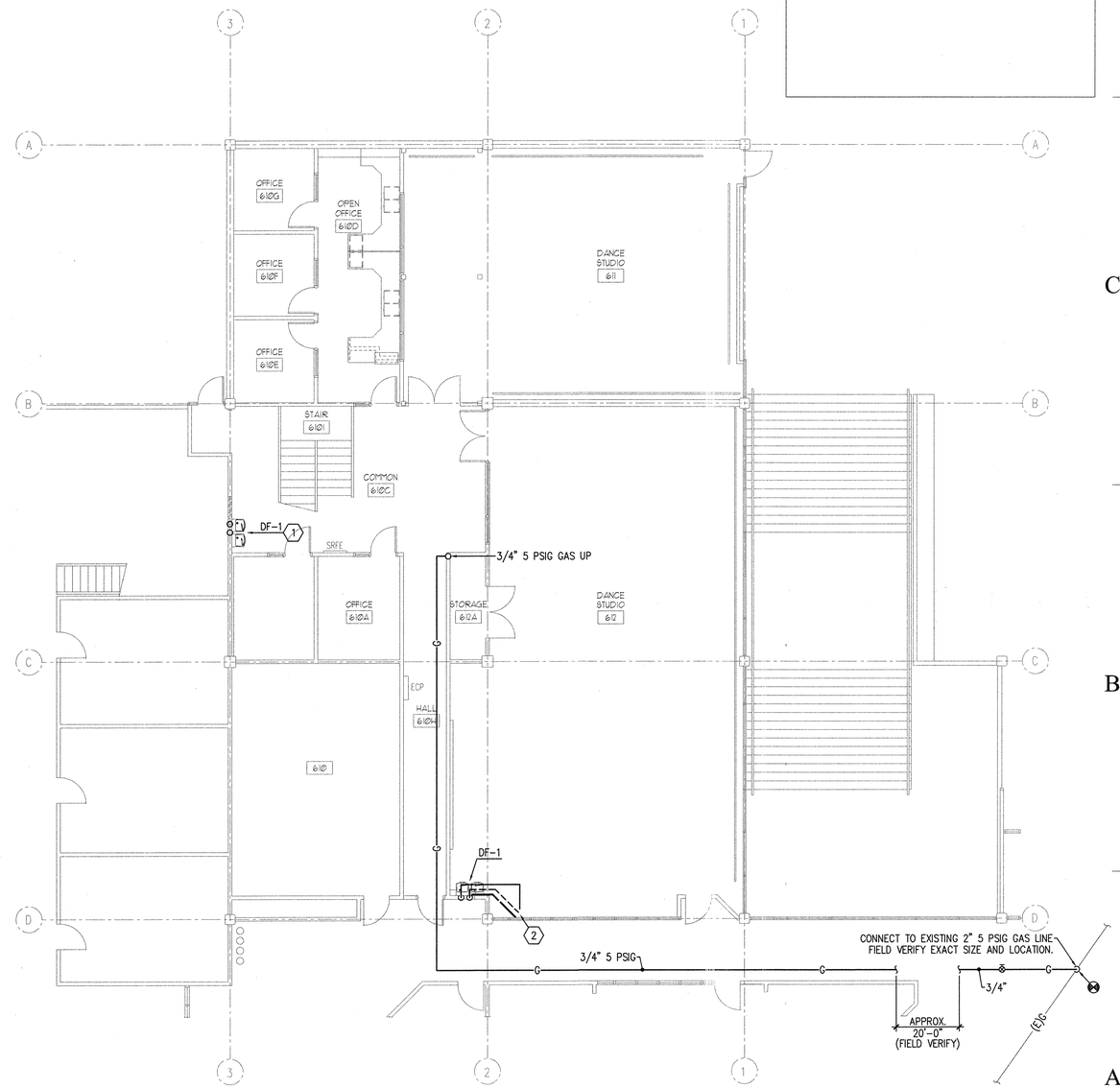
1. CONNECT TO EXISTING CW, WASTE AND VENT PIPING SERVING REMOVED EYE-WASH.
2. EXTEND CW, WASTE AND VENT PIPING AND CONNECT TO EXISTING PIPING SERVING REMOVED SINK.
3. 3/4" 5 PSIG GAS LINE UP TO ROOFTOP UNIT. PROVIDE SHUT OFF VALVE, 5 PSIG TO 4 OUNCE PRESSURE REGULATOR AND UNION. CONNECT TO ROOFTOP UNIT.



Ø2 / P101 PLUMBING FLOOR PLAN MEZZANINE LEVEL

SCALE 1/8" = 1'-0"

PLAN NORTH



Ø1 / P101 PLUMBING FLOOR PLAN

SCALE 1/8" = 1'-0"

PLAN NORTH

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PLUMBING FLOOR PLAN

SHEET NUMBER

P101

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	VOLTS	LAMPS QTY	LAMPS MODEL	MOUNTING	VA	NOTES
L1	2'X4' - FLUORESCENT - RECESSED, STATIC, SPECIFICATIONS GRADE LENSED TROFFER WITH (1) 2 LAMP BALLAST	LITHONIA	2SP8 G 2 32 A12125 MVOLT GEB10IS	120	2	F32T8/SPX35/RS	RECESSED	70 VA	
L1Z	2'X4' - FLUORESCENT - RECESSED, STATIC, SPECIFICATIONS GRADE LENSED TROFFER WITH (1) 2 LAMP BALLAST AND EMERGENCY BALLAST	LITHONIA	2SP8 G 2 32 A12125 MVOLT GEB10IS EL14	120	2	F32T8/SPX35/RS	RECESSED	70 VA	
L2	COMPACT FLOURESCENT RECESSED, 6" HORIZONTAL SINGLE LAMP , CLEAR ALZAK REFLECTOR	LITHONIA	AF 1 26DTT 6AR LD MVOLT	120	1	TBX/SPX35/A /4P	RECESSED	29 VA	
L3	8' FLUORESCENT WITH STRAIGHT BLADE LOUVER ASSEMBLY	LITHONIA	TMS8 232 SBL WD MVOLT GB1010IS	120	4	F32T8/SPX35/RS	SUSPENDED	140 VA	(1)(2)
L4	EXIT		MATCH EXISTING	120			WALL/CEILING	5 VA	
L5	6 LAMP FLUORESCENT		EXISTING TO REMAIN	120	6	F32T8	CEILING	210 VA	
L6	FLOURESCENT - 2 LAMP SURFACE W/WRAP-AROUND, ACRYLIC PRISMED LENS	LITHONIA	LB 2 32 120 GEB10IS	120	2	F32T8/SPX35/RS	SURFACE-CEILING	70 VA	

NOTES: THE FIXTURES LISTED IN THIS SCHEDULE REPRESENT THE QUALITY AND TYPE OF FIXTURES DESIRED. EQUALS OF THOSE MANUFACTURERS NOTED IN THE REMARKS ARE ACCEPTED. FOR THOSE FIXTURES WITHOUT A MANUFACTURE DESIGNATION IN THE REMARK COLUMN THE SUPPLIER MAY SUBMIT A FIXTURE THEY BELIEVE TO BE EQUAL TO THE ONE SPECIFIED. TO BE ACCEPTABLE THE FIXTURES SUBMITTED MUST BE OF THE SAME TYPE AND MATERIAL AS THAT SPECIFIED AND MUST RECEIVE APPROVAL FROM THE ENGINEER BY ADDENDUM PRIOR TO BID.

1) SUSPEND FROM STRUCTURE SO THAT FIXTURE IS FLUSH WITH JOISTS.
2) SUPPLY FIXTURE WITH TWO BALLASTS FOR BI-LEVEL SWITCHING.

G1

PANEL: EXISTING
TYPE: OFFICE 610D
LOCATION:
VOLTAGE: 208Y/120
PHASE: 3 WIRES: 4
AIC: AMPS: X
MOUNTING: FLUSH X SURFACE
FEED: TOP X BOTTOM
MAINS: 225 AMP X LUGS
BREAKER
DIMS.: 20.5" W 5.75" D 35" H
SPECIAL EQUIPMENT: GROUND BUS; SUB-FEED BRKR; NEMA 3R; SURGE PROTECTOR

CIR NO.	CIRCUIT DESCRIPTION	OUTLETS CODE	LTS	CO	MIS	P	BRKR AMP	WIRE SIZE	CIRCUIT LOAD	COMBINED PHASES A	B	C	CIRCUIT LOAD	WIRE SIZE	BRKR AMP	P	MIS	OUTLETS CO	LTS	CODE	CIRCUIT DESCRIPTION	CIR NO.
1	COPY MACHINE			1	1	20	12	180	3002				2822								-----	2
3	OFFICE 610 D			2	1	20	12	360		3182			2822		30	3	1			1	RTU-1	4
5	OFFICE 610 D			2	1	20	12	360			3182		2822								-----	6
7	PRINTER 610 D			1	1	20	12	180	2510				2330								-----	8
9	OFFICE 610 E			4	1	20	12	720		3050			2330		25	3	1			1	RTU-2	10
11	OFFICE 610 F			3	1	20	12	540			2870		2330								-----	12
13	OFFICE 610 G			2	1	20	12	360	1200				840	12	20	1		12			610D-G LTS	14
15	OFFICE 610 B			3	1	20	12	540		1800			1260	12	20	1		9			611 LTS	16
17	OFFICE 610 A			3	1	20	12	540			2204		1664	12	20	1		23			620A,B,C,H,673,675 LTS	18
19	STUDIO 612, HALL			4	1	20	12	720	1775				1055	12	20	1		6			612 LTS	20
21	STUDIOS 611, 612			5	1	20	12	900		1950			1050	12	20	1		5			612 LTS	22
23	STUDIO 676 M			4	1	20	12	720			1700		980	12	20	1		7			676M LTS	24
25	OFFICE 675 M			4	1	20	12	720	720						20	1					SPARE	26
27	SPARE				1	20				0					20	1					SPARE	28
29	SPARE				1	20					0				20	1					SPARE	30
31	SPARE				1	20			0						20	1					SPARE	32
33	SPARE				1	20				0					20	1					SPARE	34
35	SPARE				1	20					0				20	1					SPARE	36
37	SPARE				1	20			0						20	1					SPARE	38
39	SPARE				1	20				0					20	1					SPARE	40
41	SPARE				1	20					0				20	1					SPARE	42

NOTE:

	PHASE TOTALS A	B	C
VA	9207	9982	9956
DIV			
AMPS	77	83	83

CONN LOAD: 29 KVA
AV. AMPS: 81 A

CODES:
1 = SEE DRAWINGS FOR CONDUIT & CONDUCTOR SIZE
2 = SHUNT-TRIP BREAKER
3 = SUBFEED BREAKER
4 = PROVIDE LOCK OFF DEVICE
5 = GFCI BREAKER
6 = GFEP BREAKER

THIS PANEL, ALL OF ITS LUGS, BREAKERS, ETC. SHALL BE RATED FOR 75° C

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DEVICE/FIXTURE DESCRIPTION	CATALOG NUMBER	MOUNTING	COMMENTS
	FLUORESCENT LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE		(1) (2) (3)
	FLUORESCENT EMERGENCY LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE		(1) (2) (3) (4)
	EXIT FIXTURE – WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	7'–6"	(1) (2) (4) (5)
	EXIT FIXTURE – ONE WAY WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	7'–6"	(1) (2) (4) (5)
	EXIT FIXTURE – TWO WAY WALL MOUNT	SEE LIGHTING FIXTURE SCHEDULE	7'–6"	(1) (2) (4) (5)
	EXIT FIXTURE – CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (4) (5)
	EXIT FIXTURE – ONE WAY CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	7'–6"	(1) (2) (4) (5)
	EXIT FIXTURE – TWO WAY CEILING MOUNT	SEE LIGHTING FIXTURE SCHEDULE	7'–6"	(1) (2) (4) (5)
	RECESSED LIGHT FIXTURE	SEE LIGHTING FIXTURE SCHEDULE	CEILING	(1) (3)
$	SINGLE POLE SWITCH	HUBBELL BS120I	4' – 0"	(6)
$3	THREE WAY SWITCH	HUBBELL BS320I	4' – 0"	(6)
	DUPLEX CONVENIENCE OUTLET, GROUNDING TYPE	HUBBELL BR20I	18"	(6)
	DUPLEX CONVENIENCE OUTLET – GFI	HUBBELL GF5352–IA	18"	(6)
	DUAL TELEPHONE/DATA	SIEMON MAX #10GMX–FP–D–08–02	18"	(8)
	THERMOSTAT	SEE MECHANICAL	4' – 6"	
	PANEL BOARD	SEE PANEL SCHEDULE	6'–6" TO TOP	
75	HORN STROBE 75 CD	MATCH EXISTING	7'–6"	(7) (9)
	CEILING MOUNTED OCCUPANCY SENSOR	WATTSTOPPER DT–300 1) DT–300	CEILING	
$O	WALL OCCUPANCY SENSING SWITCH	WATTSTOPPER DW–100	4'–0"	
	MECHANICAL EQUIPMENT			

	WIRING IN CND IN CEILING OR WALL		WIRING IN CND IN GROUND OR FLOOR
	CONDUIT TURNED UP		CONDUIT TURNED DOWN
	CIRCUIT HOME RUN TO PANEL. 3 CONDUCTORS INCLUDING THE EQUIPMENT GROUND CONDUCTOR.		
#	CIRCUIT HOME RUN TO PANEL. NUMBER OF ARROW HEADS INDICATE NUMBER OF CIRCUITS. SLASH MARKS INDICATE NUMBER OF CONDUCTORS. EX. TWO CIRCUITS, FOUR CONDUCTORS, COMMON NEUTRAL AND THREE CIRCUITS WITH 7 CONDUCTORS (SEPERATE NEUTRAL PER CIRCUIT). BOTH EX. INCLUDE AN EQUIP. GROUND.		

INSTALL CONDUIT AS DRAWN ON THE PLANS. THE ONLY EXCEPTIONS ARE THOSE AUTHORIZED IN WRITING BY THE ENGINEER.
ALL CONDUITS SHALL INCLUDE AN EQUIPMENT GROUND CONDUCTOR SIZED PER NEC.

ABBREVIATIONS/NOTES

AFF – ABOVE FINISHED FLOOR, AFG – ABOVE FINISHED GRADE, AIC – AMPS INTERUPTING CAPACITY, BC – BARE COPPER,
BFC – BELOW FINISHED CEILING, BFG – BELOW FINISHED GRADE, CND. OR C. – CONDUIT, CT – CURRENT TRANSDUCER,
DFA – DROP FROM ABOVE, EC – ELECTRICAL CONTRACTOR, GC – GENERAL CONTRACTOR, MC – MECHANICAL CONTRACTOR,
MCA – MINIMUM CIRCUIT AMPS, P.C. – PLUMBING CONTRACTOR, POC – POINT OF CONNECTION, POS – POINT OF SALES,
RMC – RIGID METAL CONDUIT, SCA – SHORT CIRCUIT AMPERES, TC – TEMP. CONTROL CONTRACTOR, VA – VOLT/AMPS,
VIF – VERIFY IN FIELD, WP – WEATHER PROOF/NEMA 3R

(1) SEE LIGHTING FIXTURE SCHEDULE FOR TYPE AND SPECIFICS.
(2) SEE LIGHTING FIXTURE SCHEDULE FOR MOUNTING OF FIXTURE.
(3) WIRE FIXTURE FROM ADJACENT J–BOX
(4) DO NOT SWITCH
(5) PROVIDE DIRECTIONAL ARROWS AS SHOWN.
(6) ACCEPTABLE EQUALS ARE P&S, LEVITON, COOPER, HUBBELL
(7) USE A 4" X 4" BOX WITH A MUD RING TO MATCH THE DEVICE AND INSTALLATION.
(8) PROVIDE 4 11/16" SQUARE BOX, MUDRING, TWO MX3–F–U3–01, TWO 10GMX–02 AND FOUR MX–BL–01.
(9) PROVIDE DEVICE UL LISTED TO BE USED WITH THE EXISTING FIRE ALARM PANEL/SYSTEM.

MECHANICAL EQUIPMENT SCHEDULE

MARK	DESCRIPTION	ELECTRICAL V/PH	MCA	MOCP	LMHP	DISCONNECT SIZE/POLE	FUSE SIZE	REMARKS
RTU-1	ROOF TOP UNIT	208/3	23.5	30				(1) (2)
RTU-2	ROOF TOP UNIT	208/3	19.4	25				(1) (2)

V/PH/Hz = VOLTAGE / PHASE / HERTZ
MCA = MINIMU CIRCUIT AMPACITY
MOCP = MAXIMUM OVER CURRENT PROTECTION LISTED BY THE MANUFACTURER
LMHP = LARGEST MOTOR HORSE POWER

NOTES:
(1) UNIT PROVIDED WITH DISCONNECT.
(2) CONVENIENCE RECEPTACLE PROVIDED WITH UNIT.

GENERAL NOTES

1. THE ELECTRICAL SYSTEMS DEFINED BY THESE PLANS AND SPECIFICATIONS ARE TO BE CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. THE CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS AND BECOME FAMILIAR WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR, OMISSION OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING HIS BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE–BID ADDENDUM. OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIER SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE SYSTEMS AT THEIR OWN EXPENSE. WHEN EACH ELECTRICAL SYSTEM IS COMPLETE, THE CONTRACTOR SHALL TEST AND CONFIRM IT'S PROPER OPERATION. ANY INCOMPLETE SYSTEM SHALL BE MADE COMPLETE AND OPERABLE.
2. THE ARCHITECTURAL AND MECHANICAL PLANS ARE CONSIDERED A PART OF THE ELECTRICAL DOCUMENTS SO FAR AS THEY APPLY. THE ELECTRICAL CONTRACTOR SHALL REFER TO AND COORDINATE WITH THEM. NO EXTRA COST SHALL BE ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THE PLANS.
3. NO ADDITIONS TO THE CONTRACTOR BID WILL BE ALLOWED FOR CHANGES MADE NECESSARY BY INTERFERENCE WITH OTHER WORK.
4. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS AND LABOR FOR THE CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS – ARCHITECTURAL, MECHANICAL, ETC.
5. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH LOCAL AND STATE CODES AND THE NEC. IF AT ANY TIME DURING CONSTRUCTION, OR AFTER, SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THE CODES LISTED ABOVE, IT SHALL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. THE EC SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN. CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE EC SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
7. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH–IN, OF ANY ELECTRICAL PANEL, DEVICE, LIGHT FIXTURE, ETC. A DISTANCE OF 10 FEET WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.
8. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL CONDUIT TO THE STRUCTURE AS IT IS SET IN PLACE USING INDUSTRY STANDARD METHODS AND PRACTICES.
9. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS, HANGERS, ETC. DESIGNED FOR THE APPLICATION. ANY DEVICE BOXES NOT SECURED WILL BE MADE SECURE AT THE CONTRACTORS EXPENSE.
10. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.), THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR). THE UNCOVERING AND REPLACEMENT OF ELECTRICAL WORK FOR THE INSPECTION PURPOSES WILL BE AT THE COST OF THE ELECTRICAL CONTRACTOR.
11. LENGTHS OF FLEXIBLE CONDUIT GREATER THAN 48 INCHES SHALL NOT BE INSTALLED ON THIS PROJECT, EXCEPT WHIPS ON LIGHT FIXTURES, WHICH MAY BE UP TO ELEVEN (11) FEET IN LENGTH. FLEXIBLE CONDUIT SHALL NOT BE CONCEALED.
12. ALL BATTERY POWERED OR CONTINUOUS BURN LIGHT FIXTURES SHOWN ON THE PLANS, SUCH AS EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY LIGHTS, SHALL BE CONNECTED TO THE UN–SWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THAT AREA.
13. LIGHT FIXTURES INSTALLED IN THE MECHANICAL ROOM SHALL BE PLACED SO THAT ALL EQUIPMENT IS ADEQUATELY ILLUMINATED AFTER THE MECHANICAL EQUIPMENT IS IN PLACE.
14. ALL SURFACE/LAYIN MOUNTED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE AND NOT THE CEILING GRID.
15. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL THE STRUCTURED CABLING FROM EACH TELEPHONE OR MULTIMEDIA OUTLET TO THE TELEPHONE/DATA BOARD/RACK. THE CABLE SHALL BE LABELED ON EACH END FOR PROPER IDENTIFICATION BEFORE THE CABLE ENDS ARE TERMINATED. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE CABLES IN THE OUTLET AND IN THE PATCH PANEL OR BLOCK IN THE TELECOMMUNICATIONS CLOSET.
16. DURING CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL REMOVE, REROUTE, AND/OR RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT THAT CONFLICTS WITH THE REMODEL OR ADDITION. ALL SYSTEMS SHALL BE OPERABLE AT THE COMPLETION OF THE PROJECT. EQUIPMENT THAT IS NOT REUSED BECOMES THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
17. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ELECTRICAL CONTINUITY TO REMAINING EQUIPMENT WHEN ANY EXISTING ELECTRICAL EQUIPMENT IS REMOVED.
18. EXISTING LIGHT FIXTURES THAT ARE TO REMAIN, OR BE REUSED, SHALL BE CLEANED AND RELAMPED.
19. ALL COSTS FROM THE USE OF THE EXISTING PANEL SHALL BE INCLUDED IN THE CONTRACTOR'S BASE BID, I.E. CHANGE IN BREAKER SIZE, ETC.
20. AFTER THE FACILITY IS COMPLETE AND BEEN IN FULL OPERATION FOR TWO WEEKS THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE UTILITY DEMAND, THE SYSTEM VOLTAGE (PHASE TO PHASE AND PHASE TO GROUND) AND AN AMMETER READING (EACH PHASE) ON THE MAIN FEEDERS. THESE READINGS SHALL BE OBTAINED DURING NORMAL OPERATING HOURS FOR THE FACILITY AND SHALL BE RECORDED AND A COPY SENT TO THE ENGINEER.

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LICENSED PROFESSIONAL ENGINEER STAN WALTER JOHNS 03/27/09 NUMBER 5246941 STATE OF UTAH

PROJECT TITLE:
UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
DANCE STUDIO
IMPROVEMENTS

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

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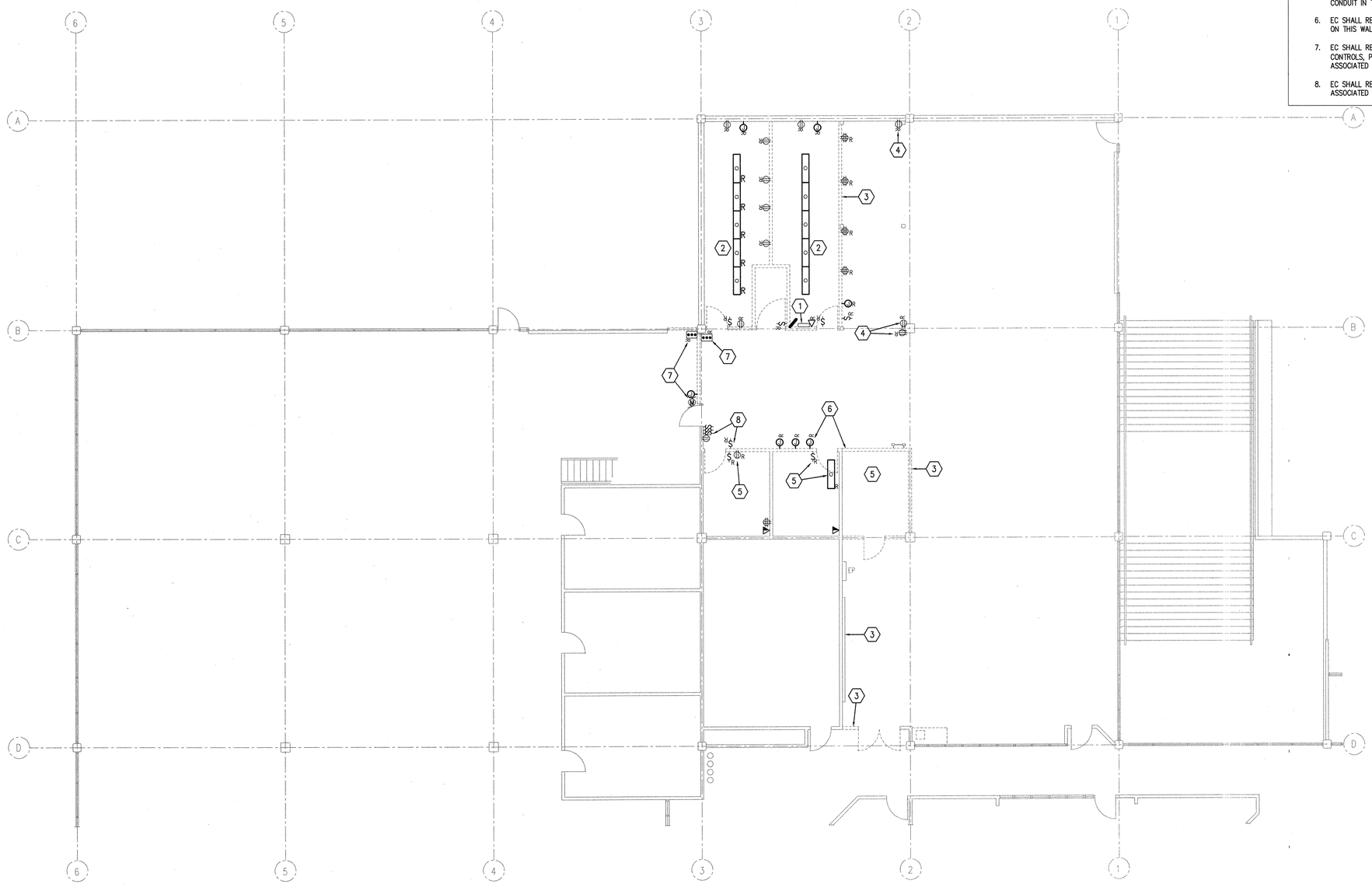
SHEET TITLE
ELECTRICAL SCHEDULES AND GENERAL NOTES

SHEET NUMBER
E001



MAIN FLOOR ELECTRICAL DEMOLITION PLAN

ED100 SCALE: 1/8" = 1'-0"

0' 8' 16'

KEYED NOTES

1. EXISTING ELECTRICAL PANEL G1 TO REMAIN AND BE REUSED. EC SHALL UNMOUNT IT FROM THE WALL AND SUPPORT IT AS REQUIRED FOR THE NEW WALL TO BE CONSTRUCTED AND THEN INSTALL IT ON THE NEW WALL.
2. EC SHALL REMOVE ALL DEVICES (SWITCHES, RECEPTACLES, J-BOXES, ETC) AND LIGHT FIXTURES AND ASSOCIATED CONDUIT IN THIS ROOM.
3. EC SHALL REMOVE ALL DEVICES (SWITCHES, RECEPTACLES, J-BOXES, ETC) AND ASSOCIATED CONDUIT ON THIS WALL.
4. EC SHALL REMOVE RECEPTACLE(S), J-BOX AND ASSOCIATED CONDUIT.
5. EC SHALL REMOVE ALL DEVICES (SWITCHES, RECEPTACLES, J-BOXES, ETC), ON THE WALLS TO BE REMOVED, AND LIGHT FIXTURES AND ASSOCIATED CONDUIT IN THIS ROOM.
6. EC SHALL REMOVE J-BOXES AND ASSOCIATED CONDUIT ON THIS WALL.
7. EC SHALL REMOVE ALL ELECTRICAL ITEMS (MOTOR, CONTROLS, PUSH-BUTTONS, ETC) AND CONDUIT ASSOCIATED WITH THE ROLL-UP DOOR.
8. EC SHALL REMOVE SWITCHES, J-BOX(ES) AND ASSOCIATED CONDUIT ON THIS WALL.

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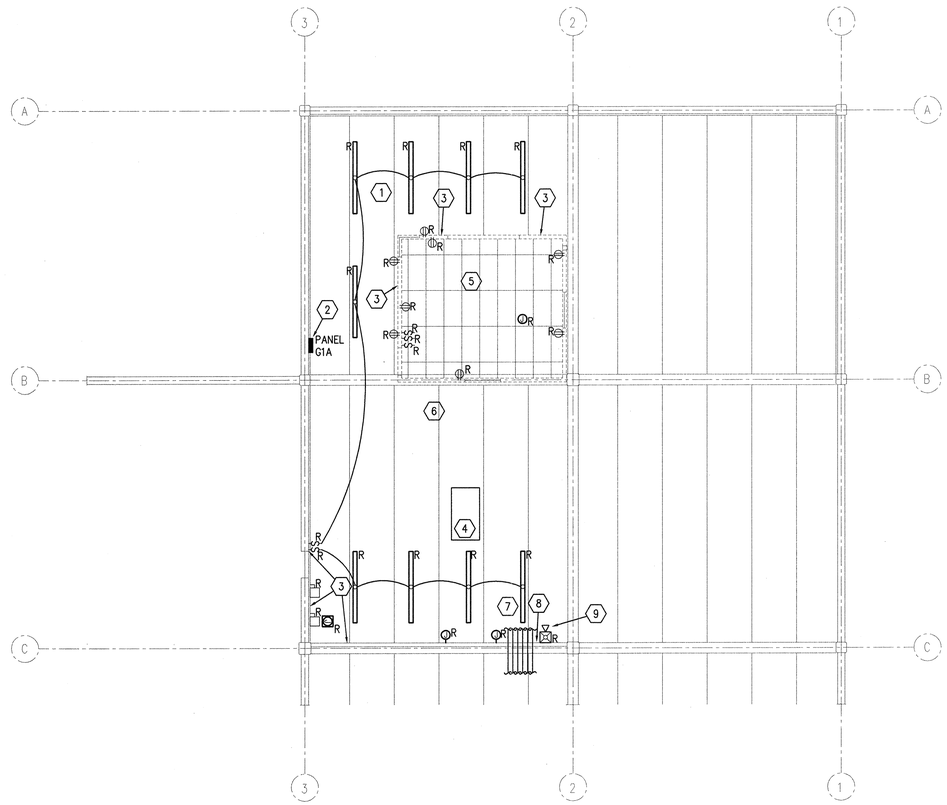
MAIN FLOOR ELECTRICAL DEMO PLAN

SHEET NUMBER

ED100



MEZZANINE LEVEL ELECTRICAL DEMOLITION PLAN

ED101 SCALE: 1/8" = 1'-0"

0' 8' 16'

KEYED NOTES

1. EC SHALL REMOVE ALL DEVICES (SWITCHES, RECEPTACLES, J-BOXES, ETC) AND LIGHT FIXTURES AND ASSOCIATED CONDUIT IN THIS ROOM.
2. EC SHALL REMOVE PANEL G1A AND ALL ASSOCIATED CONDUIT AND CONDUCTORS COMPLETELY AND GIVE TO THE OWNER.
3. EC SHALL REMOVE ALL ELECTRICAL (SWITCHES, RECEPTACLES, J-BOXES, ETC) AND ASSOCIATED CONDUIT ON THIS WALL.
4. EC SHALL REMOVE THE EXISTING LUMINAIRE AND REINSTALL IT AS SHOWN ON SHEET E102.
5. EC SHALL REMOVE ALL DEVICES (SWITCHES, RECEPTACLES, J-BOXES, ETC) AND LIGHT FIXTURES AND ASSOCIATED CONDUIT IN THIS ROOM AND ABOVE THE LAYIN CEILING.
6. EC SHALL REMOVE ALL CONDUIT THAT IS ABANDONED OR NOT IN USE THAT IS INSTALLED ON THE CEILING/STRUCTURE IN THIS AREA BETWEEN GRIDLINES 2 & 3 AND A & C.
7. THERE ARE MANY RUNS OF CONDUIT PASSING THROUGH THIS AREA BACK TO THE HALL AT GRIDLINE D (SEE SHEET E101 FOR GRIDLINE D LOCATION) THAT SHALL BE BE REMOVED COMPLETELY IF THEY ARE ABANDONDED OR NO LONGER USED.
8. ALL CONDUITS, EXISTING AND NEW, THAT MUST PASS UNDER THE BEAM AT THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER SO THEY ARE CONCEALED WITH THE NEW FIRED OUT WALL AT THIS LOCATION.
9. EXISTING FIRE ALARM HORN TO BE REMOVED AND GIVEN TO THE OWNER

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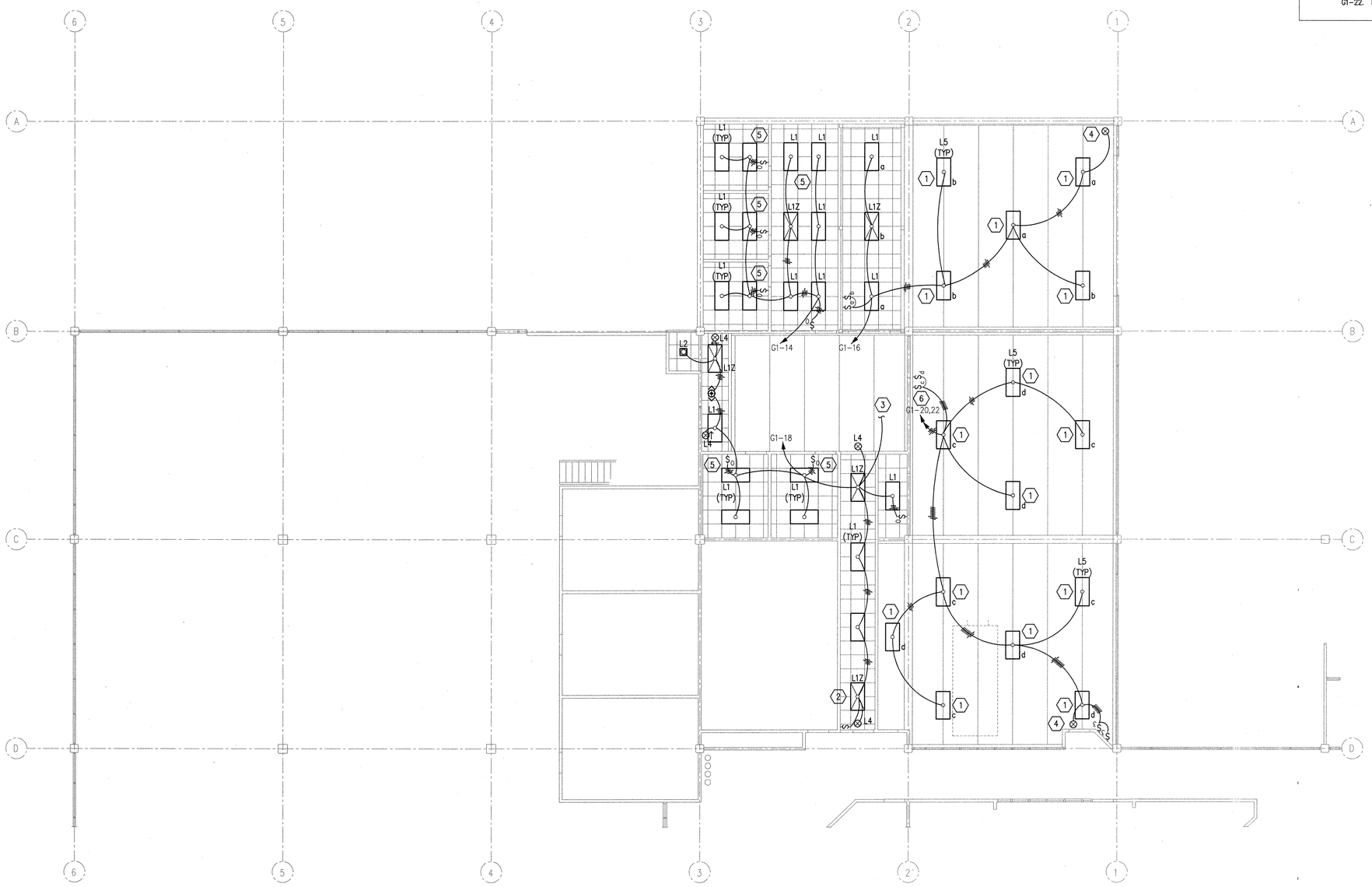
MEZZANINE LEVEL ELECTRICAL DEMO PLAN

SHEET NUMBER

ED101

KEYED NOTES

1. EXISTING FIXTURE TO BE LOCATED AS SHOWN. CLEAN, RELAMP, AND RECIRCUIT. ALIGN WITH ROOF JOIST SYSTEM AND SECURE TO ROOF JOIST SYSTEM.
2. NIGHT LIGHT. DO NOT SWITCH.
3. TO L5 FIXTURE ABOVE. SEE SECOND FLOOR LIGHTING PLAN SHEET E102.
4. EXISTING FIXTURE TO REMAIN.
5. OCCUPANCY SENSOR HAS TWO RELAYS, SWITCH HALF OF THE FIXTURES IN THE ROOM WITH EACH RELAY.
6. CIRCUIT "c" FIXTURES ON G1-20 AND "d" FIXTURES ON G1-22. EXIT FIXTURE ON G1-20.



MAIN FLOOR LIGHTING PLAN

E100 SCALE: 1/8" = 1'-0"

0' 8' 16'

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MAIN FLOOR LIGHTING PLAN

SHEET NUMBER

E100

KEYED NOTES

1. PROVIDE HORN STROBE TO MATCH EXISTING HORN STROBES. TIE INTO EXISTING FIRE ALARM SYSTEM. VERIFY EXISTING CONDITIONS.
2. PROVIDE 1" CONDUIT FROM VOICE/DATE OUTLET IN WALL, UP INTO THE CEILING, THEN STUBBED INTO NEAREST CABLE TRAY. CONDUIT RUN SHALL NOT EXCEED (3) 90 DEGREE BENDS. PROVIDE (1) BLUE MOHAWK CAT 5E CABLE FOR VOICE WITH BLUE/ORANGE PAIR TERMINATED ON JACK 1 AND GREEN/BROWN PAIR ON JACK 2 AND MOUNTED IN THE UPPER LEFT OF FACE PLATE. PROVIDE (2) WHITE SIEMON 10G 6A OR MOHAWK GIGLAND 10 DATA CABLES TERMINATED TO DATA JACKS MOUNTED IN THE LOWER LEFT OF FACE PLATE. ROUTE CABLES FROM VOICE/DATA JACK, THROUGH CONDUIT AND CABLE TRAY, AND TERMINATE IN THE DATA/PHONE ROOM.

N

E101 MAIN FLOOR POWER/DATA PLAN

SCALE: 1/8" = 1'-0"

0' 8' 16'

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LICENSED PROFESSIONAL ENGINEER
STAN WALTER JOHNS
03/27/09
NUMBER 5246941
STATE OF UTAH

PROJECT TITLE:

UTAH VALLEY UNIVERSITY
OREM, UTAH

GUNTHER TRADES BUILDING
DANCE STUDIO
IMPROVEMENTS

MARK	DATE	DESCRIPTION

ISSUE TYPE: CONSTRUCTION DOCUMENTS

ISSUE DATE: 21st APRIL, 2009

DFCM PROJECT NO: 08321790
CAD PROJECT NO:
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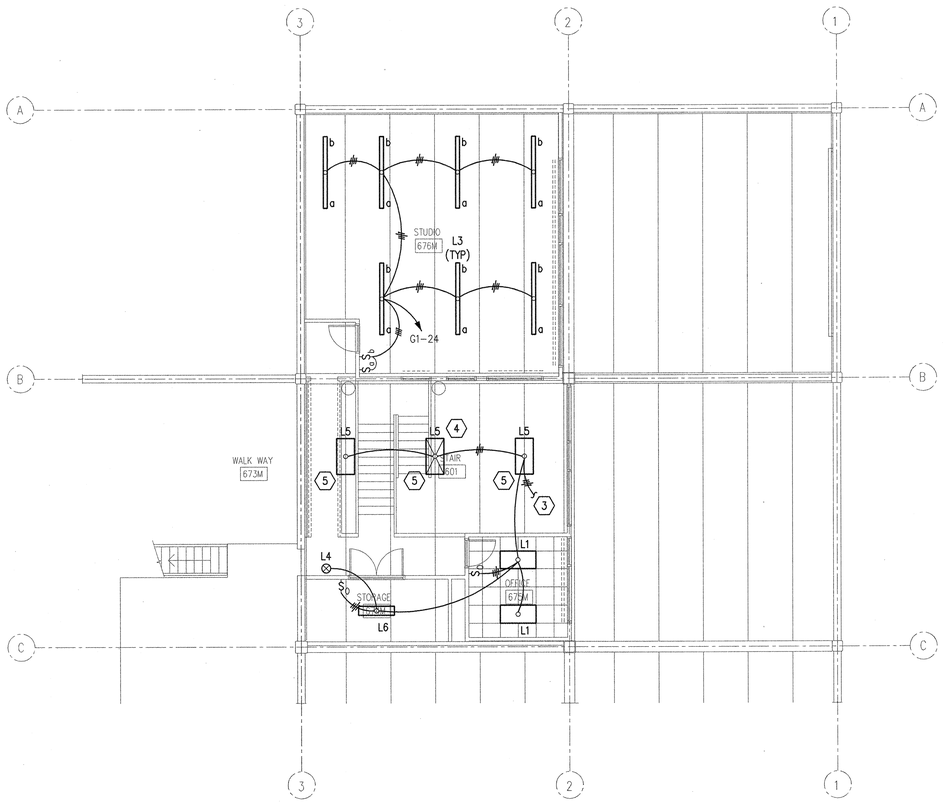
SHEET TITLE

MAIN FLOOR POWER PLAN

SHEET NUMBER

E101



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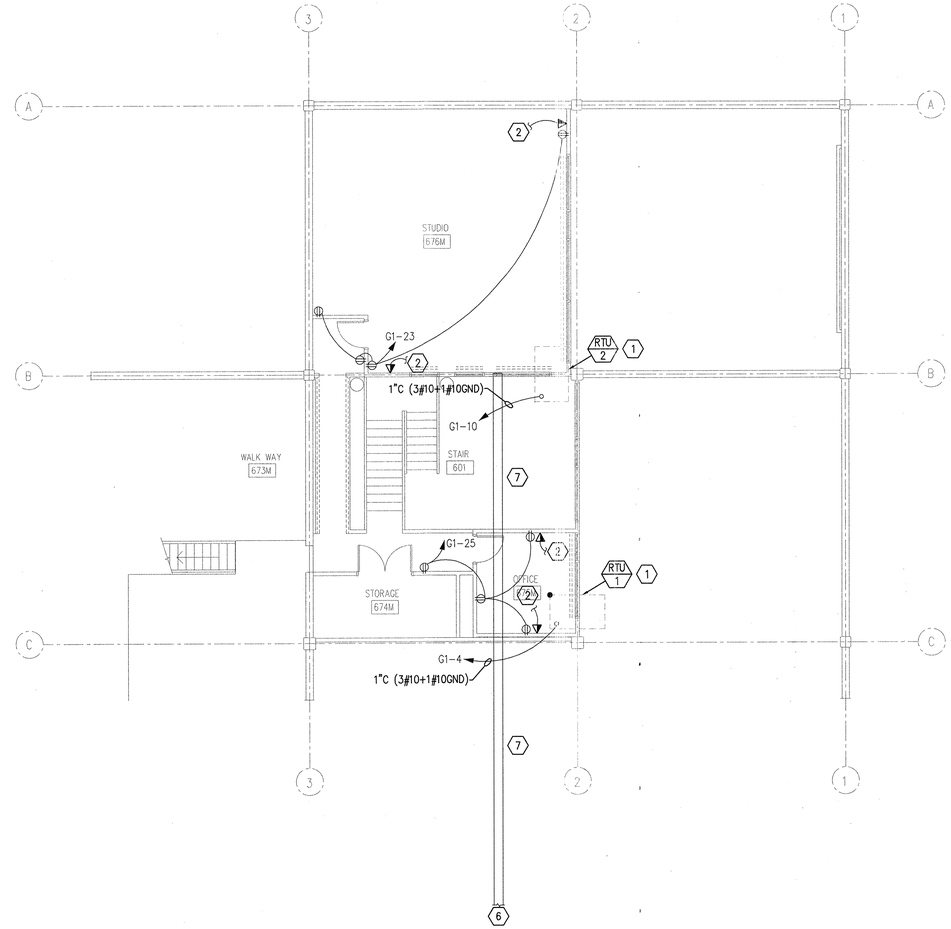
E102 MEZZANINE LEVEL LIGHTING PLAN

SCALE: 1/8" = 1'-0"

0' 8' 16'



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E102 MEZZANINE LEVEL POWER/DATA PLAN

SCALE: 1/8" = 1'-0"

0' 8' 16'

KEYED NOTES

1. LOCATED ON ROOFTOP.
2. PROVIDE 1" CONDUIT FROM VOICE/DATE OUTLET IN WALL, UP INTO THE CEILING, THEN STUBBED TO NEAREST CABLE TRAY. CONDUIT RUN SHALL NOT EXCEED (3) 90 DEGREE BENDS. PROVIDE (1) BLUE MOHAWK CAT 5E CABLE FOR VOICE WITH BLUE/ORANGE PAIR TERMINATED ON JACK 1 AND GREEN/BROWN PAIR ON JACK 2 AND MOUNTED IN THE UPPER LEFT OF FACE PLATE. PROVIDE (2) WHITE SIEMON 10G GA OR MOHAWK GIGLAND 10 DATA CABLES TERMINATED TO DATA JACKS MOUNTED IN THE LOWER LEFT OF FACE PLATE. INSTALL CABLES FROM VOICE/DATA JACK, THROUGH CONDUIT AND CABLE TRAY, AND TERMINATE IN THE DATA/PHONE ROOM. FIELD CONFIRM EXISTING CONDITIONS.
3. SWITCH WITH HALLWAY FIXTURES ON MAIN FLOOR. SEE E100.
4. NIGHT LIGHT. DO NOT SWITCH. PROVIDE REMOTE EMERGENCY BALLAST AND MAKE CONNECTION TO ONE LAMP IN THIS FIXTURE.
5. EXISTING FIXTURE TO BE LOCATED AS SHOWN. CLEAN, RELAMP, AND RECIRCUIT. ALIGN WITH ROOF JOIST SYSTEM AND SECURE TO ROOF JOIST SYSTEM.
6. TIE NEW CABLE TRAY INTO EXISTING CABLE TRAY LOCATED THE HALLWAY AT GRID LINE D, SEE SHEET E101.
7. PROVIDE 4"X12" LADDER TYPE CABLE TRAY MOUNTED TO BOTTOM OF ROOF STRUCTURE.

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architecture planning design

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MEZZANINE LEVEL LIGHTING AND POWER/DATA PLAN

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E102