

# Camp W.G. Williams

## Building 5080 Const. Drawings

### Utah 84065-4999

#### DRAWING INDEX:

GI002	COVER SHEET	PG-001	PLUMBING GENERAL NOTES AND LEGEND
GI003	GENERAL NOTES, SYMBOLS, ABBREVIATIONS & WALL TYPES	PD-101	PLUMBING DEMOLITION PLAN
GI004	ADA GUIDELINES	PE-101	PLUMBING PLAN
AS101	ARCHITECTURAL SITE PLAN / ACCESSIBLE ROUTE PLAN	PE-501	PLUMBING DETAILS AND SCHEDULES
AD101	DEMOLITION FLOOR PLAN	PE-502	PLUMBING DETAILS AND SCHEDULES
AD102	DEMOLITION REFLECTED CEILING PLAN	MG-001	MECHANICAL GENERAL NOTES AND LEGEND
AD103	DEMOLITION ROOF PLAN	MD-101	MECHANICAL DEMOLITION PLAN
AE101	NEW CONSTRUCTION FLOOR / EXITING PLAN	ME-101	MECHANICAL PLAN
AE102	NEW CONSTRUCTION REFLECTED CEILING PLAN	ME-501	MECHANICAL DETAILS
AE103	NEW CONSTRUCTION ROOF PLAN	ME-502	MECHANICAL DETAILS
AE201	EXTERIOR ELEVATIONS	ME-503	MECHANICAL DETAILS
AE202	EXTERIOR ELEVATIONS	ME-601	MECHANICAL SCHEDULES
AE401	ENLARGED FLOOR PLAN	ME-602	MECHANICAL SCHEDULES
AE402	INTERIOR ELEVATIONS	ES101	ELECTRICAL SITE PLAN AND DETAILS
AE501	DETAILS	ED101	ELECTRICAL DEMOLITION PLAN
AE502	DETAILS	E-101	NEW ELECTRICAL LIGHTING PLAN
AE601	DOOR, WINDOW AND FINISH SCHEDULES	E-102	NEW ELECTRICAL EQUIPMENT PLAN
FS101	NEW FOOD SERVICE LAYOUT	E-601	ELECTRICAL RISERS AND WIRING DIAGRAMS
		E-602	ELECTRICAL SCHEDULES AND SYMBOL LIST
		FA101	NEW FIRE ALARM SYSTEM PLAN

## APRIL, 2009



State of Utah - Department of Administrative Services

### DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

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

DFCM PROJECT NO. 07332480

CONTRACT NO. 087184

ajc PROJECT NO. 0915

PREPARED BY:



ajc architects

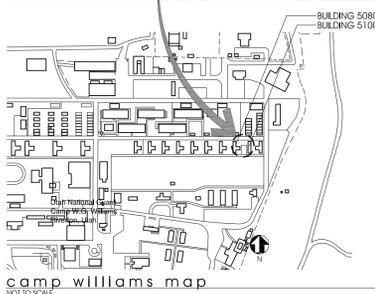
703 east 1700 south salt lake city, utah 84105  
 telephone: 801-466-8818 fax: 801-466-4411  
 email: ajc@ajcarchitects.com

#### APPROVALS:

Prime Agency \_\_\_\_\_ Date \_\_\_\_\_

DFCM \_\_\_\_\_ Date \_\_\_\_\_

APPROVAL DOES NOT RELIEVE A/E OF DESIGN LIABILITY



<b>ARCHITECTURAL</b> ajc architects 703 East 1700 South Salt Lake City, Utah 84105 PH#: (801) 466-8818 FAX: (801) 466-4411 CONTACT: Kent Rigby, AIA	<b>PLUMBING MECHANICAL</b> WHW Engineering 1354 East 3300 South Suite 200 Salt Lake City, Utah 84106 PH#: (801) 466-4021 FAX: (801) 466-8536 CONTACT: Win Packer	<b>ELECTRICAL</b> Thomas & Kolkman 64 West 1700 South Salt Lake City, Utah 84115 PH#: (801) 484-8161 FAX: (801) 484-3538 CONTACT: Ray Kolkman
---	--	---

## CODE ANALYSIS

APPLICABLE CODES			
	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for Building Conservation	
International Plumbing Code	2006	ADA Accessibility Guidelines	ANSI A117.1-2003
International Fire Code	2006		
International Energy Conservation Code	2003		

A. Occupancy and Group: A-2  
 Change in Use: Yes \_\_\_\_\_ No  Mixed Occupancy: Yes \_\_\_\_\_ No   
 Special Use and Occupancy (e.g. High Rise, Covered Mall): N.A.

B. Seismic Design Category: \_\_\_\_\_ Design Wind Speed: 90 mph

C. Type of Construction (circle one):  
 I/A I/B II/A II/B III/A III/B IV/HT V/A **V/B**

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

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

F. Sprinklers:  
 Required:  Provided:  Type of Sprinkler System: NFPA 13

G. Number of Stories: 1 Building Height: 15' 18-1/2"

H. Actual Area per Floor (square feet): 3,500 GROSS

I. Tabular Area: 6,000 GROSS

J. Area Modifications:  

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

b) Sum of the Ratio Calculations for Mixed Occupancies:

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

c) Total Allowable Area for:

- One Story: 6,000
- Two Story:  $A_a(2)$  N.A.
- Three Story:  $A_a(3)$  N.A.

d) Unlimited Area Building: Yes N.A. No \_\_\_\_\_ Code Section: \_\_\_\_\_

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

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

L. Design Occupant Load: 163.5  
 Exit Width Required: 24.52" Exit Width Provided: 216"

M. Minimum Number of Required Plumbing Facilities:

- Water Closets - Required (m) 2 (f) 1\* Provided (m) 2 (f) 1
- Lavatories - Required (m) 1 (f) 1 Provided (m) 2 (f) 1
- Bath Tubs or Showers: N.A.
- Drinking Fountains: 0\*\* Service Sinks: 1

\* MILITARY BASE W/ LARGELY MALE POPULATION.  
 \*\* BEVERAGE DISPENSERS PROVIDED BY UTAH AIR NATION GUARD

N. Deferred Submittal List:

- Fire Sprinklers: Design / Build Calculations & Drawings

#### FOOTNOTES:

- In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.
- Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
  - High Rise Requirements.
  - Atriums.
  - Performance Based Criteria.
  - Means or Egress Analysis.
  - Fire Assembly Locator Sheet.
  - Exterior and Interior Accessibility Route.
  - Fire Stopping, Including Tested Design Number.

**Camp W.G. Williams**  
**Building 5080 Construction**  
**Drawings**

DIVISION OF FACILITIES CONSTRUCTION AND MANAGEMENT

ajc architects  
 703 East 1700 South Salt Lake City, Utah 84105  
 Telephone: 801-466-8818 Fax: 801-466-4411  
 Email: ajc@ajcarchitects.com  
 DFCM PROJECT NO. 07332480  
 ajc PROJECT NO. 0915

State of Utah - Department of Administrative Services

# ABBREVIATIONS

AB	ANCHOR BOLTS	EA	EACH	MAINT	MAINTENANCE	SECT	SECTION
ABBREV	ABBREVIATION (S)	ELEC	ELECTRICAL	MATL	MATERIAL	SHT	SHEET
APPR	APPROVED	ELEV or EL	ELEVATION	MAX	MAXIMUM	SIM	SIMILAR
ACOUS	ACOUSTICAL	ELEV	ELEVATOR	MB	MACHINE BOLT	SIMUL	SIMULATED
AC	ASPHALT CONCRETE	EQ	EQUAL	MECH	MECHANICAL	SPECS	SPECIFICATIONS
A/C	AIR CONDITIONING	EQUIP	EQUIPMENT	MET	METAL	SS	STAINLESS STEEL
AD	ACCESS DOOR	EXIST	EXISTING	MEZZ	MEZZANINE	STA	STATION
AFF.	ABOVE FINISHED FLOOR	EJ	EXPANSION JOINT	MFR	MANUFACTURER		
ALUM	ALUMINUM	EXT	EXTERIOR	MISC	MISCELLANEOUS	STD	STANDARD
		EUC	ELEC WATER COOLER	MO	MASONRY OPENING	STL	STEEL
BD	BOARD			MIN	MINIMUM	SQ	SQUARE
BLDG	BUILDING	FF	FINISH FLOOR	MULL	MULLION	STRUCT	STRUCTURAL
BLK	BLOCK	FHC	FIRE HOSE CABINET			SUSP	SUSPENDED
BM	BEAM	FIN	FINISH	(N)	NEW	SYM	SYMMETRICAL
B.O.B.	BOTTOM OF BEAM	FLR	FLOOR	NO.	NUMBER		
BOT	BOTTOM	FO	FINISHED OPENING	N.T.S.	NOT TO SCALE		
		FOC	FACE OF CONCRETE	NR	NON-RATED	T	TREAD
						TBC	TOP BACK OF CURB
C/C	CENTER TO CENTER	FOS	FACE OF STUD	OC	ON CENTER	TOC	TOP OF CURB
CER	CERAMIC	FW	FACE OF WALL	OCC	OPERATOR CONTROL CENTER	T + G	TONGUE & GROOVE
CH	CEILING HEIGHT	FDN	FOUNDATION	OD	OUTSIDE DIAMETER	TEMP	TEMPERED
CEM	CEMENT	FRP	FIBER REINFORCED PLASTIC	OF	OVERFLOW	TEL	TELEPHONE
CLG	CEILING	FD	FLOOR DRAIN	OFF	OFFICE	THK	THICK
CLOS.	CLOSET	FS	FLOOR SINK	O/I	OWNER FURNISH ITEM	T.O.C.	TOP OF CONCRETE or CURB
CLR	CLEAR	FS	FLOOR SINK	O/I	OWNER FURNISH ITEM	T.O.F.	TOP OF FOOTING
CMU	CONCRETE MASONRY UNIT	FSD	FULL SIZE DETAIL	O/I	OWNER FURNISH ITEM	T.O.P.	TOP OF PARAPET
COL	COLUMN	FT	FEET	O/H	OPPOSITE HAND	T.O.S.	TOP OF STEEL
COMPO	COMPOSITION	FH	FULL HEIGHT	OPNG	OPENING	TYP	TYPICAL
CONC	CONCRETE			OPF	OPPOSITE	T.W.	TOP OF WALL
CONN	CONNECTION	GA	GAUGE			UNO	UNLESS NOTED OTHERWISE
CONT	CONTINUOUS	GC	GENERAL CONTRACTOR	FC	PORTLAND CEMENT	VER	VERTICAL
CORR	CORRIDOR	GL	GLASS	PL	PLATE		
CSK	COUNTERSINK	GALV or GV	GALVANIZED	PLAS	PLASTER		
		GR	GRADE	PLYWD	PLYWOOD		
		GYP BD	GYPSTUM BOARD	FR	FAIR	W	WIDE
DEL	DELETE	GSD	GRANITE SCHOOL DISTRICT	PREP	PREPARATION	W	WITH
DET	DETAIL			PROJ	PROJECTION	WC	WATER CLOSET
DF	DOUGLAS FIR	H	HIGH	PT	PRESSURE TREATED	WD	WOOD
DIA	DIAMETER	HDWD	HARDWOOD	PTCF	PRESSURE TREATED DOUGLAS FIR	WI	WROUGHT IRON
DIA	DIAMETER	HORIZ	HORIZONTAL			WL	WATER LEVEL
DIAG	DIAGONAL	HM	HOLLOW METAL	QT	QUARRY TILE	WP	WORKING POINT
DIM	DIMENSION	HP	HIGH POINT			WF	WATERPROOFING
DIR	DIRECTION			R	RISER		
DL	DOUBLE			R or RAD	RADIUS		
DN	DOWN	ID	INSIDE DIAMETER	RD	ROOF DRAIN		
DO	DOOR OPENING	INSUL	INSULATION	REF	REFERENCE		
DR	DOOR	INT	INTERIOR	REFL	REFLECTED		
DS	DOWNSPOUT	JAN	JANITOR	REINF	REINFORCE		
DWG	DRAWING	LAV	LAVATORY	REQ'D	REQUIRED		
		LEV	LEVEL	RES	RESILIENT		
		LTG	LIGHTING	RES	RESILIENT		
		LTWT	LIGHT WEIGHT	ROOF	ROUGH OPENING		
				REDUD	REDUWOOD		

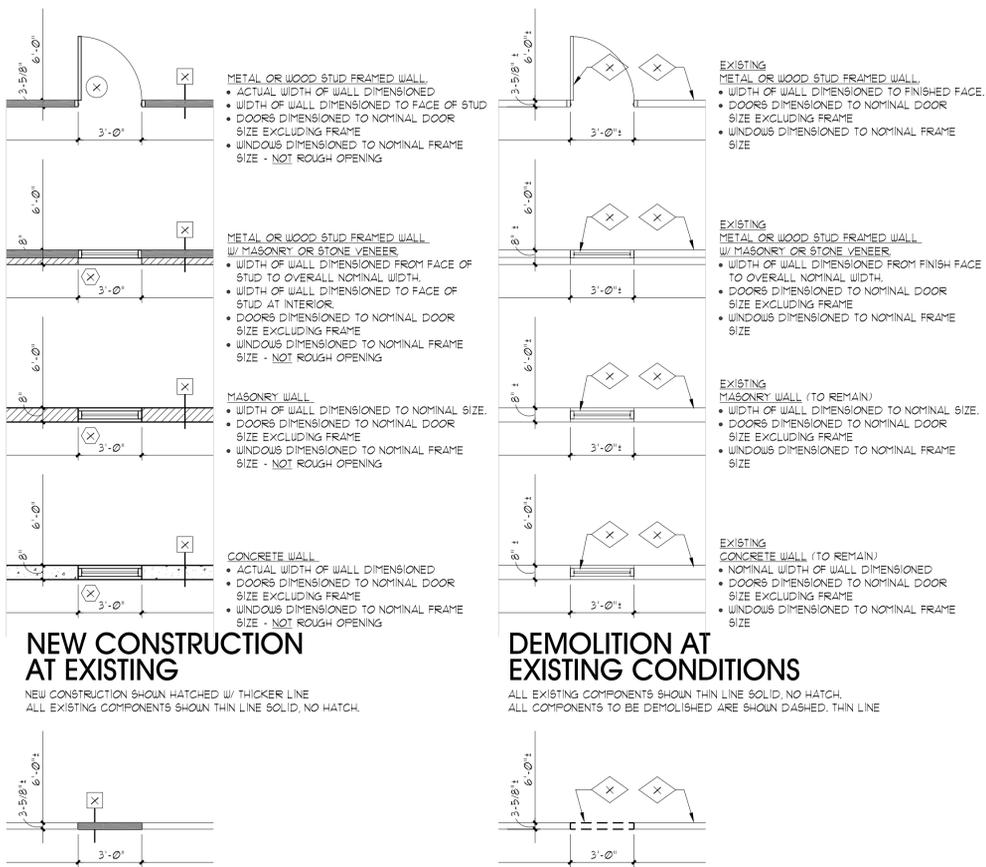
# MATERIALS LEGEND (TYPICAL PLAN VIEWS)

## NEW CONSTRUCTION

ALL NEW CONSTRUCTION IS SHOWN HATCHED AS ILLUSTRATED BELOW  
ALL NEW CONSTRUCTION IS FULLY NOTATED AS SHOWN BELOW  
ALL WORK IS NEW UNLESS LABELED "EXISTING"

## EXISTING CONDITIONS

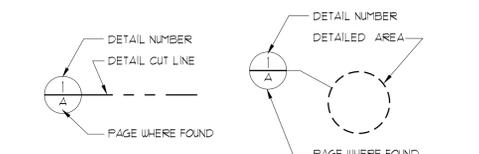
ALL EXISTING CONSTRUCTION IS SHOWN WITHOUT HATCH AS ILLUSTRATED BELOW  
ALL EXISTING CONSTRUCTION IS LABELED "EXISTING" BY KEYNOTE OR OTHERWISE  
ALL DIMENSIONS TO EXISTING ARE APPROXIMATE ONLY AND ARE TO BE FIELD VERIFIED BY THE CONTRACTOR



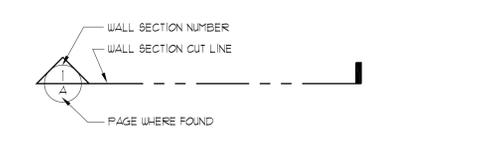
# SYMBOLS

∠	ANGLE	∅	DIAMETER OF ROUND	⋈	AND
U	CHANNEL	□	SQUARE	@	AT
⌒	PLATE	⊙	WORK POINT OR ELEV BENCH MARK	Δ	DELTA
⊕	CENTER LINE	#	NUMBER	¢	PENNY

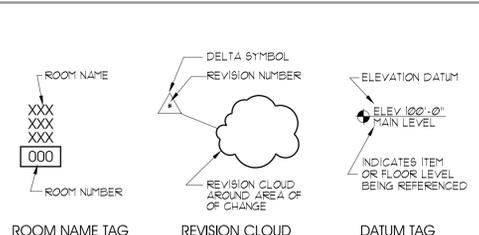
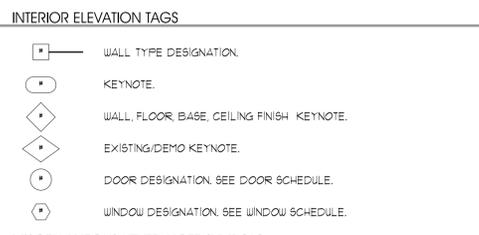
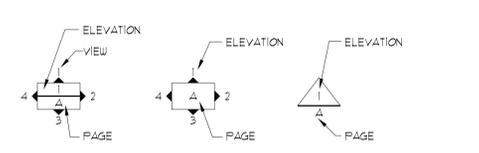
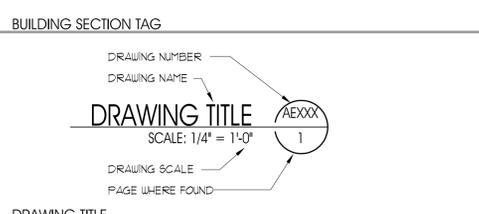
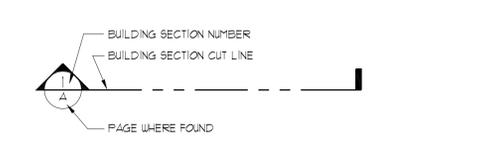
## DETAIL TAGS



## WALL SECTION TAG



## BUILDING SECTION TAG

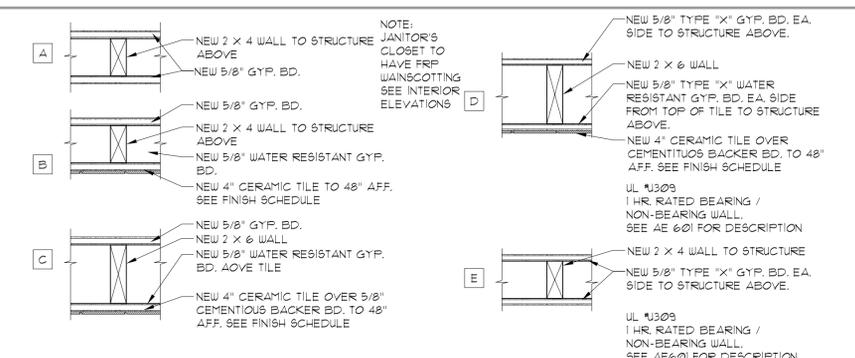


# GENERAL NOTES:

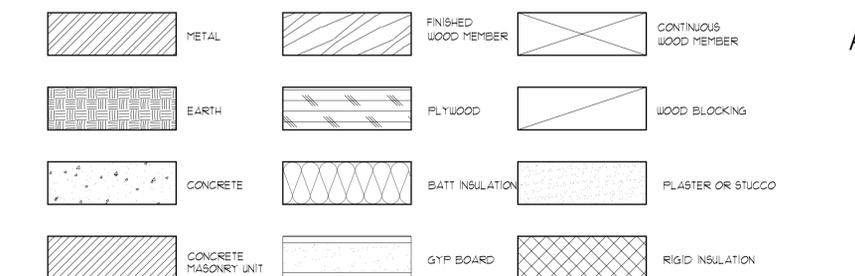
- THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK AND SHALL BE RESPONSIBLE FOR ALL WORK AND MATERIALS INCLUDING THOSE FURNISHED BY SUBCONTRACTORS. CONTRACTOR SHALL ACCEPT PREMISES AS FOUND. OWNER ASSUMES NO RESPONSIBILITY FOR THE CONDITION OF THE EXISTING SITE OR EXISTING STRUCTURES AT THE TIME OF BIDDING OR THEREAFTER.
- DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS; DO NOT SCALE DRAWINGS TO DETERMINE ANY LOCATIONS. THE ARCHITECT SHALL BE NOTIFIED IF ANY DISCREPANCY OCCURS PRIOR TO CONTINUING WITH WORK.
- ALL PLAN DIMENSIONS ARE FROM CENTERLINE OR FACE OF STUD UNLESS OTHERWISE INDICATED. SEE SECTION ON "DIMENSIONING" THIS SHEET.
- ALL CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE BUILDING CODES AND LOCAL RESTRICTIONS. THE CONTRACTORS MUST COMPLY WITH THE CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES.
- THE CONTRACTOR SHALL REPORT TO THE OWNER & ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS HE MAY DISCOVER THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ERRORS/OMISSIONS AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE MEANS OF CORRECTING ANY ERROR SHALL FIRST BE APPROVED BY THE ARCHITECT AND OWNER.
- THE GENERAL BUILDING PERMITS SHALL BE PAID FOR BY THE CONTRACTOR. ALL OTHER PERMITS SHALL BE SECURED AND PAID FOR BY THE SUBCONTRACTOR DIRECTLY RESPONSIBLE. ALL REQUIRED CITY, COUNTY AND/OR STATE LICENSES SHALL BE ACQUIRED AND PAID FOR BY THE INDIVIDUAL SUBCONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES WHETHER SHOWN HEREIN OR NOT AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE PROSECUTION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE JOB IS IN PROGRESS AND UNTIL JOB IS COMPLETED, AND KEYS TURNED OVER TO OWNER.
- ALL DEBRIS SHALL BE REMOVED FROM PREMISES AND ALL AREAS SHALL BE LEFT IN A CLEAN (BROOM) CONDITION AT ALL TIMES.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS AND WORKERS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE TEMPORARY WATER, POWER AND TOILET FACILITIES AS REQUIRED, AS WELL AS ON SITE PHONE OR CELLULAR.
- STATE APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT THE SAME INFORMATION. THE CONTRACTOR SHALL ALSO MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDUMS AND CHANGE ORDERS, ON THE PREMISES AT ALL TIMES. THESE ARE TO BE KEPT UNDER THE CARE OF THE JOB SUPERINTENDENT.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR RECEIVING, UNLOADING, UNCRATING, INSTALLATION AND HOOK-UP OF ALL OWNER FURNISHED ITEMS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE OR REPAIR ANY FACILITY, IMPROVEMENT OR INFRASTRUCTURE OR WORKMANSHIP WHICH SHALL APPEAR WITHIN ONE (1) YEAR OR AS OTHERWISE SPECIFIED FOR A SPECIFIC COMPONENT AFTER THE COMPLETION AND ACCEPTANCE OF THE WORK UNDER THIS CONTRACT. EXCEPTION: (THE ROOFING SUBCONTRACTOR SHALL FURNISH AND MAINTAIN AGREEMENT COSIGNED BY THE CONTRACTOR TO MAINTAIN THE ROOFING IN A WATER-TIGHT CONDITION FOR A PERIOD AS LISTED IN SPECIFICATIONS, STARTING AFTER DATE OF FINAL TURN-OVER INSPECTION)
- GENERAL CONTRACTOR IS TO PROVIDE BLOCKING AS REQUIRED FOR MOUNTING OF WALL MOUNTED SHELVES, AND CABINETS, HC GRAB BARS AND PARTITION BRACES.
- SILICONE 4 SEALANT (CAULK) SHALL BE USED AT THE FOLLOWING LOCATIONS: (SEE SPEC.)
  - METAL DOORS
  - WINDOW FRAMES, SILLS AND JAMBES
  - CONDUIT AND PIPE PENETRATIONS AT WALLS AND CEILING
  - JUNCTION OF MILLWORK (CABINETS, SHELVES, BOOTHS)
  - ALL JUNCTURES BETWEEN UNLIKE SURFACES
- GENERAL CONTRACTOR IS REQUIRED TO LABEL ALL ELECTRICAL PANELS, SOUND EQUIPMENT, AND ROOF TOP EQUIPMENT. USE PLASTIC PHENOLIC ENGRAVED PLATE, SCREWED ON.
- DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENT ARE NOT INTENDED. THE CONTRACTOR IS TO CLARIFY WITH THE ARCHITECT AND OWNER ANY SUCH DISCREPANCIES PRIOR TO COMMENCING WORK.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING WORK SHALL CONFORM TO THE REQUIREMENTS OF LEGALLY CONSTITUTED AUTHORITIES HAVING JURISDICTION.
- THE ARCHITECT AND/OR OWNER WILL REVIEW SHOP DRAWINGS AND SAMPLES FOR CONFORMANCE WITH DESIGN CONCEPT OF THE PROJECT. THE OWNER AND/OR ARCHITECT'S APPROVAL OF A SEPARATE ITEM SHALL NOT INDICATE APPROVAL OF AN ASSEMBLY IN WHICH THE ITEM FUNCTIONS.
- MINIMUM FLAME SPREAD CLASSIFICATION OF INTERIOR FINISH SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING BUILDING CODES/ORDINANCES.
- GYPSTUM WALLBOARD AND SUSPENDED CEILING SYSTEMS SHALL CONFORM TO THE BUILDING CODE AND LOCAL GOVERNING CODES/ORDINANCES.
- ALL GLASS AND GLAZING SHALL COMPLY WITH CHAPTER 54 OF THE U.S. CONSUMER PRODUCT SAFETY COMMISSION SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS (42 FR 1428; 16 CFR PART 1201).
- PIPES AND DUCTS EXCEEDING ONE THIRD THE SLAB OR WALL THICKNESS SHALL NOT BE PLACED IN STRUCTURAL CONCRETE UNLESS SPECIALLY DETAILED. SEE MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR LOCATION OF BLEEVES, ACCESSORIES, ETC.
- HOT WATER TEMPERATURE AT ALL SINKS IS TO BE ADJUSTED SO AS NOT TO EXCEED 120 DEGREES FAHRENHEIT.
- GENERAL CONTRACTOR IS TO ASSURE THAT NO REBAR OR REINFORCEMENT IS PRESENT PRIOR TO CORE DRILLING OR PLACING BOLTS OR ANY OTHER ITEM WHICH COULD DISTURB THE STRUCTURAL SLAB OR FOUNDATION WALLS.
- DETAILED DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
- FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S STANDARD DETAILS OR APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- PROVIDE SOLID BLOCKING / BACKING AS REQUIRED FOR ALL ARCHITECTURAL, MECHANICAL AND ELECTRICAL EQUIPMENT.

PLEASE NOTE:  
THERE ARE ITEMS LISTED ON THE CONSTRUCTION DOCUMENTS THAT HAVE NOT BEEN INCLUDED IN THE SPECIFICATIONS. THERE ARE ITEMS IN THE SPECIFICATIONS THAT ARE NOT INCLUDED IN THE CONSTRUCTION DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO UTILIZE BOTH CONSTRUCTION DOCUMENTS AND SPECIFICATIONS FOR ALL REQUIRED INFORMATION TO PROVIDE COMPLETE CONSTRUCTION OF THIS PROJECT.

## WALL TYPES: (ALL WOOD STUD FRAMING TO BE 16" O.C. MAX. SPACING)



## MATERIALS LEGEND (TYPICAL SECTION VIEWS)



**a|j|c architects**

703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

## PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

## CAMP WILLIAMS BUILDING 5080

## SHEET NAME:

## GENERAL NOTES, SYMBOLS, ABBREVIATIONS, & WALL TYPES

## REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

## ISSUE DATA

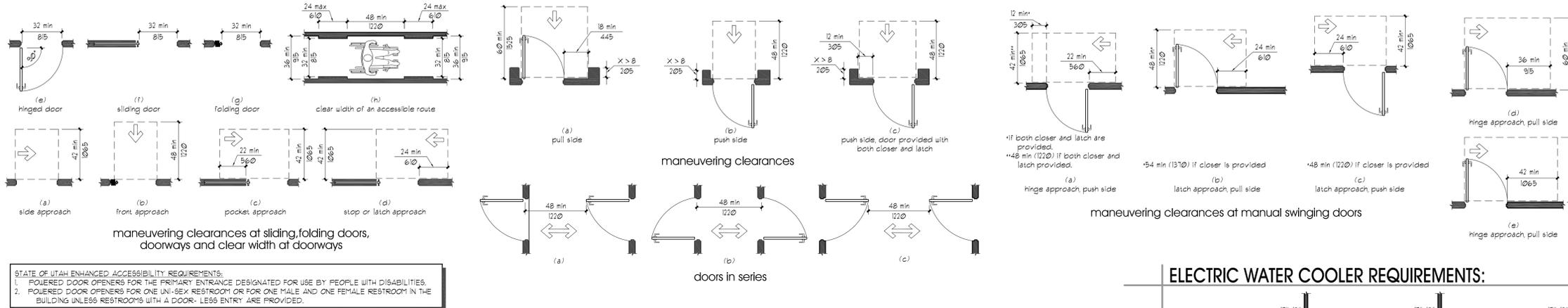
ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310G1002
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

## SHEET NUMBER:

# G1002

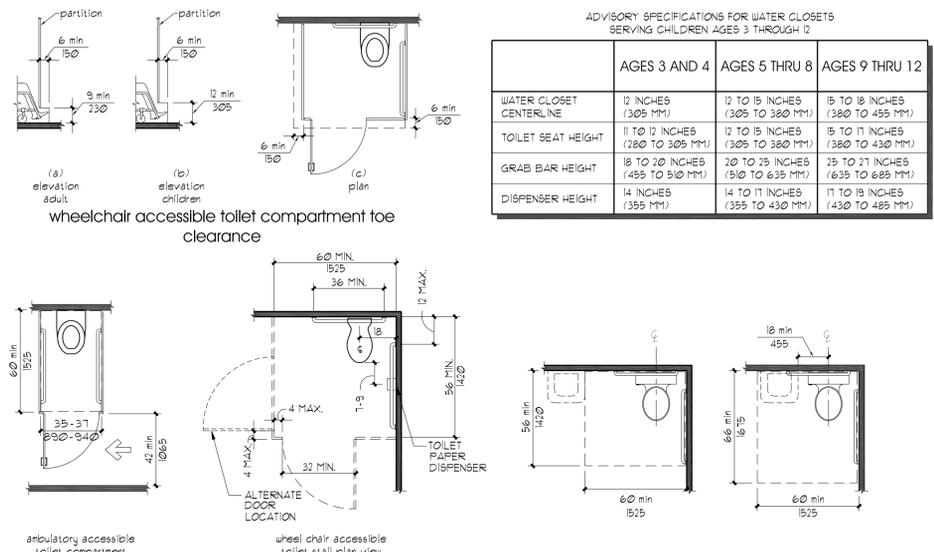
SHEET OF

**DOOR AND DOORWAY CLEARANCE REQUIREMENTS:**

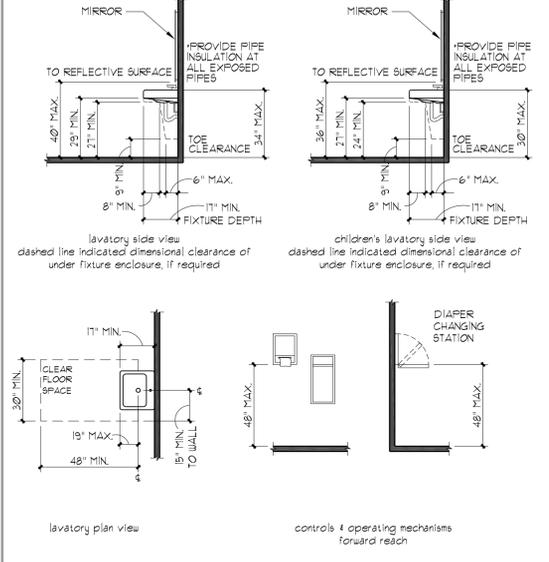


STATE OF UTAH ENHANCED ACCESSIBILITY REQUIREMENTS:  
 1. POWERED DOOR OPENERS FOR THE PRIMARY ENTRANCE DESIGNATED FOR USE BY PEOPLE WITH DISABILITIES.  
 2. POWERED DOOR OPENERS FOR ONE UNI-SEX RESTROOM OR FOR ONE MALE AND ONE FEMALE RESTROOM IN THE BUILDING UNLESS RESTROOMS WITH A DOOR-LESS ENTRY ARE PROVIDED.

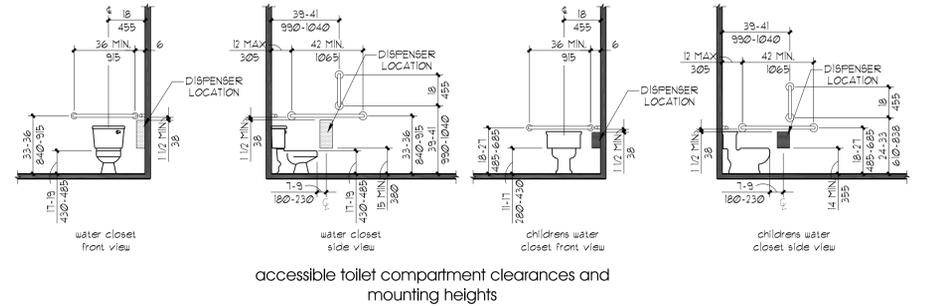
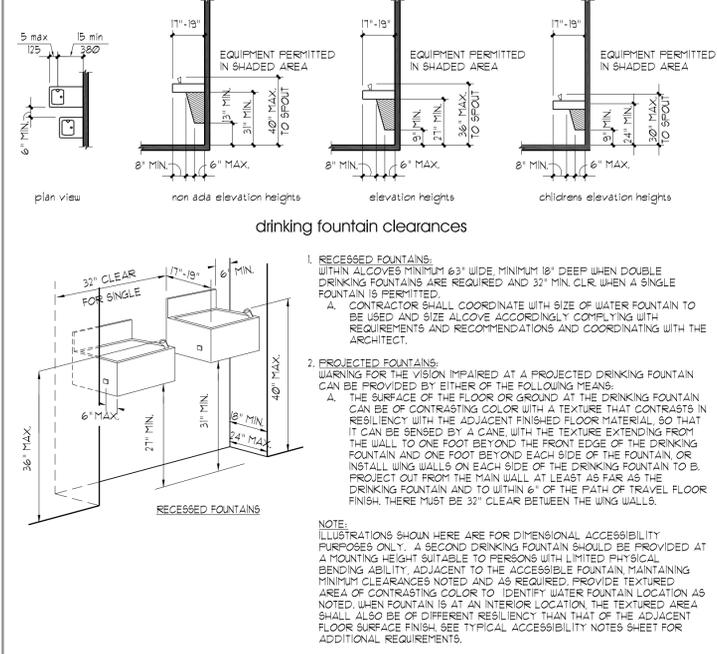
**TOILET COMPARTMENT CLEARANCE REQUIREMENTS:**



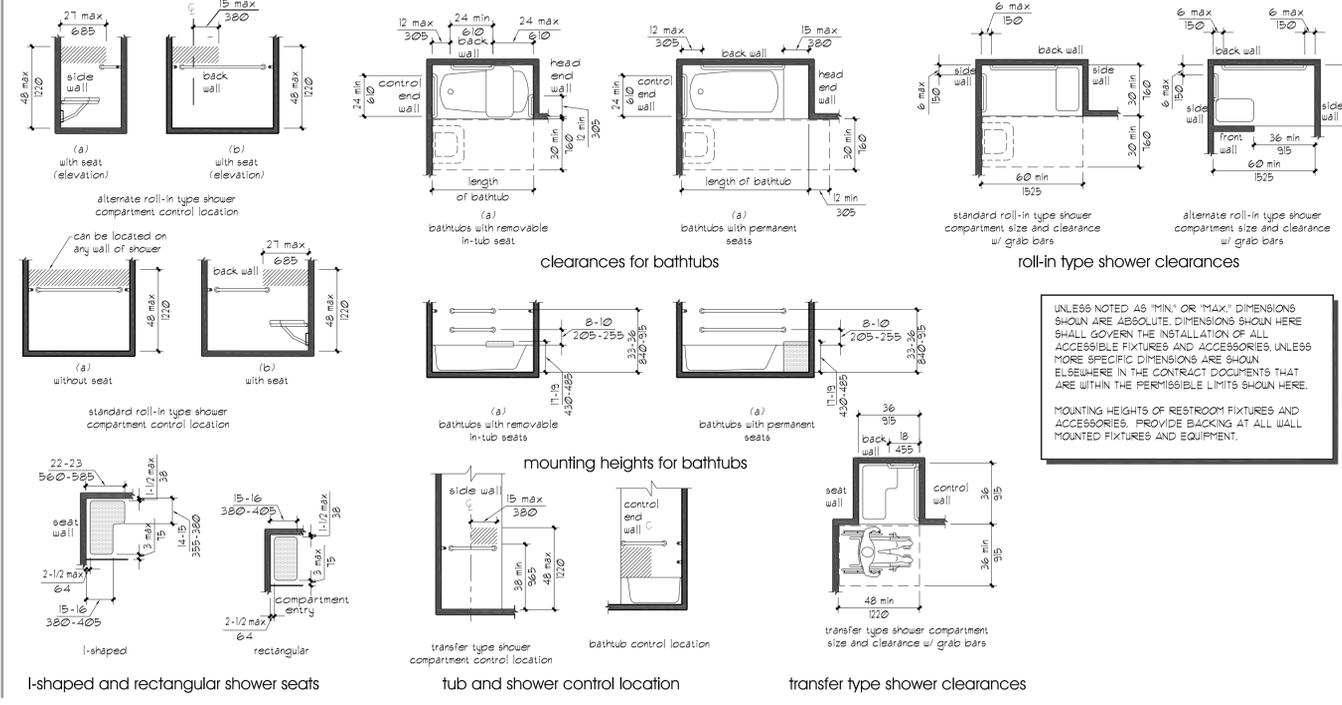
**LAVATORY & ACCESSORY CLEARANCES AND HEIGHT REQUIREMENTS:**



**ELECTRIC WATER COOLER REQUIREMENTS:**



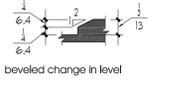
**TUB AND SHOWER CLEARANCES AND ACCESSORY HEIGHT REQUIREMENTS:**



**GENERAL NOTES:**

- REFER TO DOOR HARDWARE SPECIFICATIONS FOR DOOR HARDWARE ADA REQUIREMENTS AND STANDARDS.
- REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL DEVICES ADA MOUNTING HEIGHT REQUIREMENTS.
- REFER TO SITE PLAN FOR ACCESSIBLE ROUTE REQUIREMENTS AND DETAIL REFERENCES. (NOT APPLICABLE TO ALL PROJECTS)

**LEVEL CHANGE:**



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com

**PROJECT DESCRIPTION**

**State of Utah**  
 Department of Administrative Services

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

**CAMP WILLIAMS BUILDING 5080**

**SHEET NAME:**

**GENERAL NOTES, SYMBOLS, ABBREVIATIONS, & WALL TYPES**

**REVISIONS**

MARK	DATE	DESCRIPTION

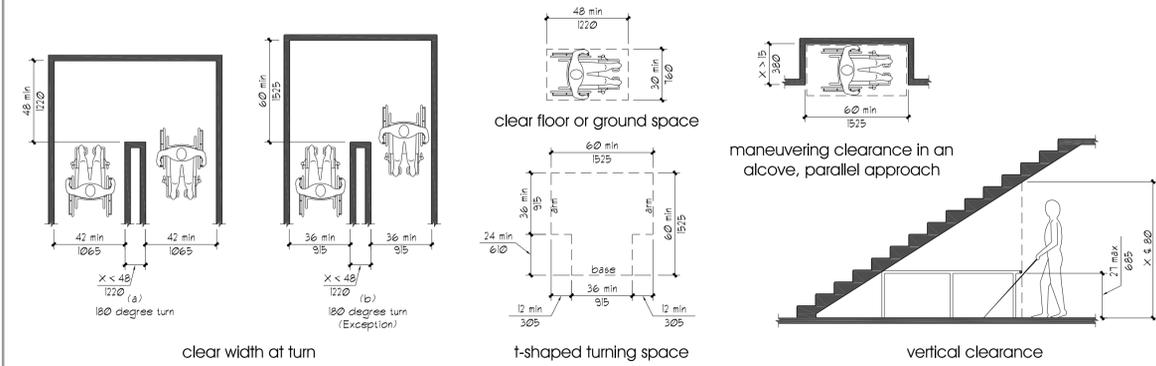
**ISSUE DATA**

ISSUE DATE: APRIL 2009  
 ISSUE TYPE: CD  
 DRAWN BY: S.BAUGH  
 CHECKED BY: K.RIGBY  
 CAD FILE NAME: 0310GI003  
 DFCM PROJECT # 07332480  
 CONTRACT # 087184  
 COPYRIGHT: DFCM

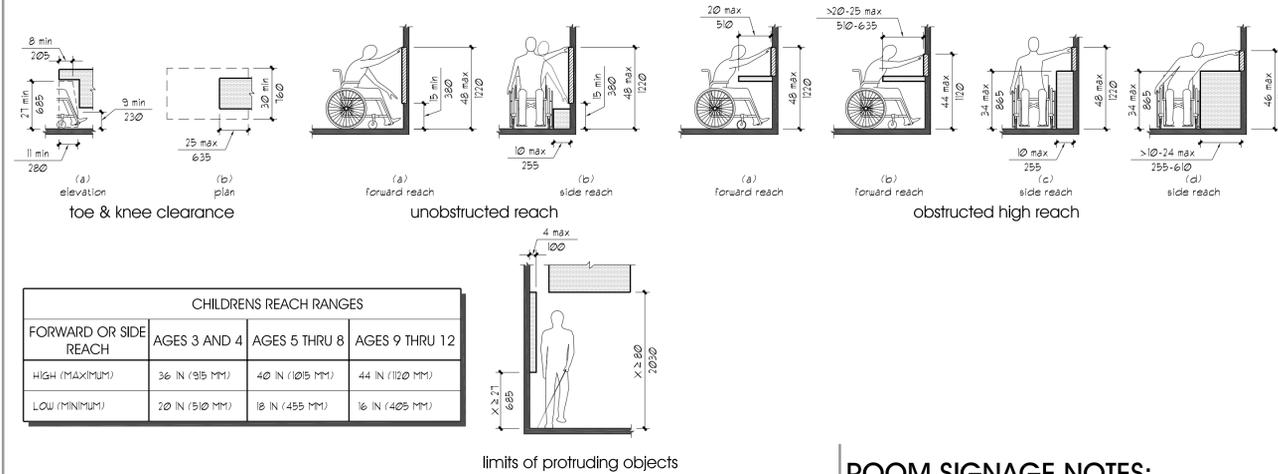
**SHEET NUMBER:**

**GI003**

**CLEAR FLOOR SPACE & HEIGHT REQUIREMENTS:**



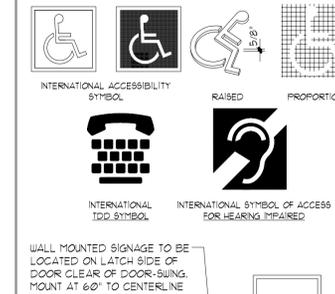
**REACH REQUIREMENTS:**



**ROOM SIGNAGE NOTES:**

QTY.	NOTES:
<b>SIGN A</b>	1 WALL MOUNTED SIGNAGE TO BE LOCATED ON LATCH SIDE OF DOOR CLEAR OF DOOR-SWING. MOUNT AT 60° TO CENTERLINE OF SIGN FROM FLOOR.
<b>SIGN B</b>	1 WALL MOUNTED SIGNAGE TO BE LOCATED ON LATCH SIDE OF DOOR CLEAR OF DOOR-SWING. MOUNT AT 60° TO CENTERLINE OF SIGN FROM FLOOR.
<b>SIGN C</b>	1 WALL MOUNTED SIGN IN FRONT OF VAN ACCESSIBLE ADA PARKING STALL.
<b>SIGN D</b>	1 WALL MOUNTED SIGN IN FRONT OF ADA PARKING STALL.
<b>SIGN E</b>	2 WALL MOUNTED SIGN ADJACENT TO ENTRANCE.
<b>SIGN F</b>	4 WALL MOUNTED SIGN ADJACENT TO ENTRANCE. ARROW TO BE POINTED TOWARDS NEAREST ACCESSIBLE ENTRANCE.
<b>SIGN G</b>	6 WALL MOUNTED SIGN ADJACENT TO EXIT.

**SIGNS / PICTOGRAMS:**



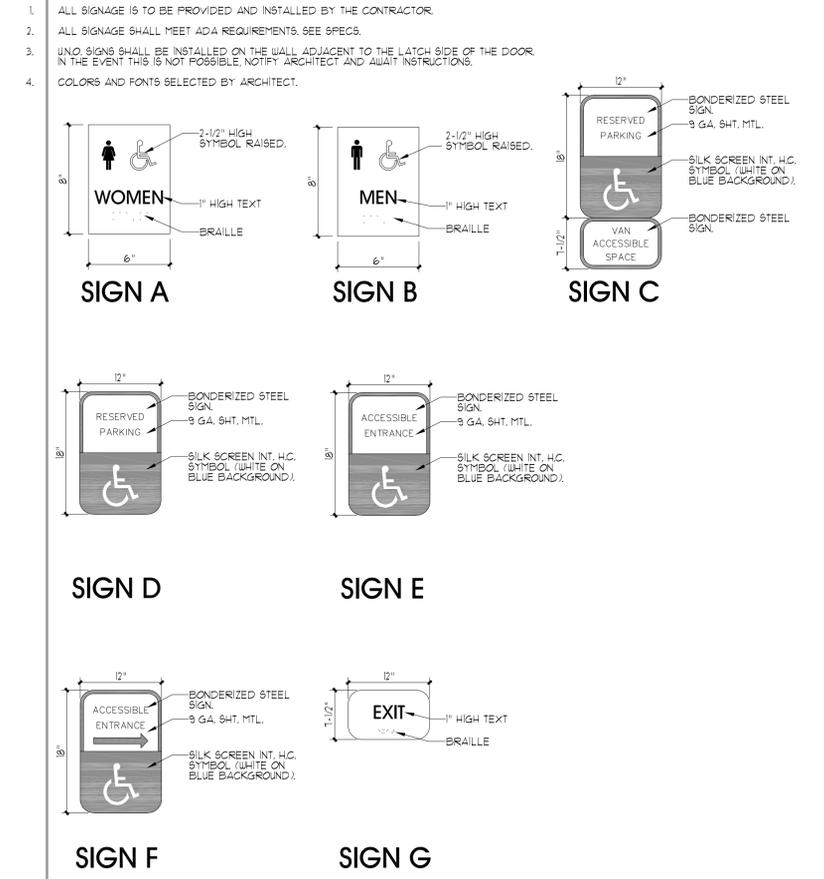
**LETTERS AND NUMBERS:**

- LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEC. 111B5.6.1)
- RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH. (SEC. 111B5.6.2)
- PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6" IN HEIGHT. (SEC. 111B5.6.3)
- LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3/5 AND 1/1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1/5 AND 1/10. (SEC. 111B5.5.3)
- CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (SEC. 111B5.5.3)
- CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE 'X'. LOWER CASE CHARACTERS ARE PERMITTED FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH SECTION 1102B. THE MINIMUM CHARACTER HEIGHT SHALL BE 3". (SEC. 111B5.5.4)

**SIGN LOCATIONS:**

- CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED IN OTHER PORTIONS OF THESE REGULATIONS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. (SEC. 111B5.5.2)
  - ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL SHALL BE IDENTIFIED WITH A SIGN DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS. (SEC. 111B5.1.4 1102B.3)
  - WHEN PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH SECTION 111B5.6. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE INCLUDING AT LEAF DOORS. SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 6'0" ABOVE THE FINISH FLOOR TO THE CENTERLINE OF THE SIGN MOUNTING LOCATION SHALL BE DETERMINED SO THAT THE PERSON MAY APPROACH WITHIN 3" OF THE SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. (SEC. 111B5.9)
  - ADDITIONAL DIRECTIONAL SIGNS ALONG ACCESSIBLE PATH OF TRAVEL ARE REQUIRED.
  - BUILDINGS REMODELED TO PROVIDE ACCESSIBLE SANITARY FACILITIES FOR PUBLIC USE SHALL HAVE INFORMATION POSTED IN THE LOBBY AS PART OF THE BUILDING DIRECTORY.
- INTERNATIONAL SYMBOL OF ACCESSIBILITY:**
- STANDARD USED TO IDENTIFY ACCESSIBLE FACILITIES.
  - WHITE FIGURE ON BLUE BACKGROUND. COLOR • 15050D ON FEDERAL STANDARD • 595A.
  - WHEN ENFORCING AGENCY DETERMINES IF APPROPRIATE, SPECIAL DESIGNS AND COLORS MAY BE APPROVED.

**SIGNAGE SCHEDULE:**



**PROJECT DESCRIPTION**

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

**SHEET NAME:**

**ADA GUIDELINES**

MARK	DATE	DESCRIPTION

**ISSUE DATA**

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310GI004  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

**SHEET NUMBER:**

**GI004**



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

**GENERAL NOTES AND LEGEND:**

- FOR SHEET AS101 ONLY.
- SEE SHEET G1007 FOR GENERAL NOTES.
  - SEE COVER SHEET FOR DRAWING INDEX.
  - DO NOT SCALE DRAWINGS.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
  - GENERAL CONTRACTOR TO COORDINATE MATERIAL STAGING, DELIVERY ROUTE(S) AND CONTRACTOR PARKING AREA(S) WITH NATIONAL GUARD PERSONNEL PRIOR TO THE COMMENCEMENT OF WORK.
- ◊ EXISTING KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.  
○ NEW KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.

**EXISTING/DEMO KEYED NOTE LEGEND:**

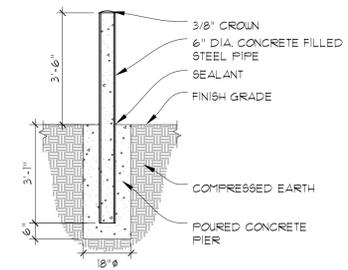
- FOR SHEET AS101 ONLY.
- ◊ 1 EXISTING 8" PVC SEWER LINE - 48" DEEP RUNNING EAST AND WEST TO REMAIN. NEW SEWER LATERAL TO CONNECT INTO EXISTING SEWER LINE 42'-0" ALIQUY FROM BUILDINGS. REMOVE ABANDONED PIPING.
  - ◊ 2 EXISTING ROAD TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
  - ◊ 3 EXISTING ASPHALT PAVING TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
  - ◊ 4 EXISTING MAINTENANCE HOLE TO BE ABANDONED. COORDINATE WITH UTAH NATIONAL GUARD DURING CONSTRUCTION.
  - ◊ 5 EXISTING POWER POLE TO REMAIN. PROTECT POLE AND ALL GUY WIRES DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
  - ◊ 6 SAWCUT AND REMOVE ASPHALT PAVING AS REQUIRED FOR TRENCH. PATCH BACK AFTER TRENCH IS BACK FILLED. NOTE: CALICHE SOIL @ 12"-18" BELOW GRADE REQUIRES JACKHAMMER FOR EXCAVATION.
  - ◊ 7 EXISTING STORM DRAIN
  - ◊ 8 EXISTING TELE COMMUNICATIONS LINE
  - ◊ 9 EXISTING POTABLE WATER LINE
  - ◊ 10 EXISTING SANITARY SEWER LINE
  - ◊ 11 OVERHEAD POWER LINE
  - ◊ 12 LINE OF EXISTING STORM DRAIN GUTTER SYSTEM.

**NEW KEYED NOTE LEGEND:**

- FOR SHEET AS101 ONLY.
- 1 NEW POWER POLE TO BE INSTALLED - SEE ELECTRICAL SITE PLAN.
  - 2 NEW CONCRETE RAMP 1'-0" RISE IN 12'-0" MAX SEE AE101.
  - 3 NEW CONCRETE PAD. SEE AE101.
  - 4 NEW FENCED ENCLOSURE FOR HVAC EQUIPMENT - SEE SHEET AE101.
  - 5 FL RISER. SEE AE101.
  - 6 FIRE DEPARTMENT CONNECTION. SEE AE101.
  - 7 GREASE INTERCEPTOR. CONNECT TO NEW SANITARY SEWER LINE. SEE PLUMBING DRAWINGS.
  - 8 NEW 4" DIA. SANITARY SEWER LINE. CONNECT NEW SANITARY SEWER LINE TO EXISTING SANITARY SEWER LINE AT STREET.
  - 9 CONSTRUCT 5' DIA. SAMPLING MANHOLE WITH 5'-0" INVERT DEPTH AND 6" THICK WALLS. SEE PLUMBING DRAWINGS.
  - 10 NEW 6" DIA. FIRE PROTECTION LINE. CONNECT TO WATER LINE AT STREET. CONTRACTOR TO PROVIDE FLOW TEST FOR NEW FIRE LINE INSTALLATION.
  - 11 NEW BOLLARD. SEE DETAIL A5/A5101.
  - 12 NEW ELECTRICAL PANEL. SEE ELECTRICAL DRAWINGS.
  - 13 NEW TRANSFORMER ON NEW CONCRETE PAD. SEE ELECTRICAL DRAWINGS.
  - 14 NEW UNDERGROUND SECONDARY ELECTRICAL SERVICE 4 METER/MAIN BREAKER. SEE ELECTRICAL DRAWINGS.
  - 15 CONCRETE ENCASUREMENT. SEE ELECTRICAL DRAWINGS. COORDINATE W/ WATER / SEWER LINES.
  - 16 NEW SECONDARY UNDERGROUND ELECTRICAL SERVICE TO BUILDING. SEE ELECTRICAL DRAWINGS.
  - 17 NEW ADA COMPLIANT PARKING STALLS / STRIPING.

**GENERAL GREASE INTERCEPTOR AND SAMPLING MANHOLE NOTES:**

- FOR SHEET AS101 ONLY.
- POTHOLE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION TO VERIFY LOCATION, DEPTH SIZE AND PIPE MATERIAL. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE - BLUESTAKE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
  - INVERTS OF INLET AND OUTLET PIPES OF NEW GREASE INTERCEPTOR ARE UNKNOWN AND MUST BE FIELD VERIFIED BASED ON EXISTING PIPE INVERT ELEVATIONS. DEPTH IS EXPECTED TO BE APPROXIMATELY 1'-0" BELOW EXISTING SURFACE ELEVATION. INCLUDE IN BID COST A GREASE INTERCEPTOR WITH AN INLET INVERT UP TO 8'-0" BELOW EXISTING GRADE (12'-0" TO BOTTOM OF INTERCEPTOR).
  - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE SOUTH VALLEY WATER RECLAMATION FACILITY (SVWRF). COORDINATE ALL WORK AND INSPECTIONS WITH SVWRF AND OBTAIN PERMITS REQUIRED.



**PROJECT DESCRIPTION**

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

**SHEET NAME:**

**ARCHITECTURAL SITE PLAN / ACCESSIBLE ROUTE PLAN**

**REVISIONS**

MARK	DATE	DESCRIPTION

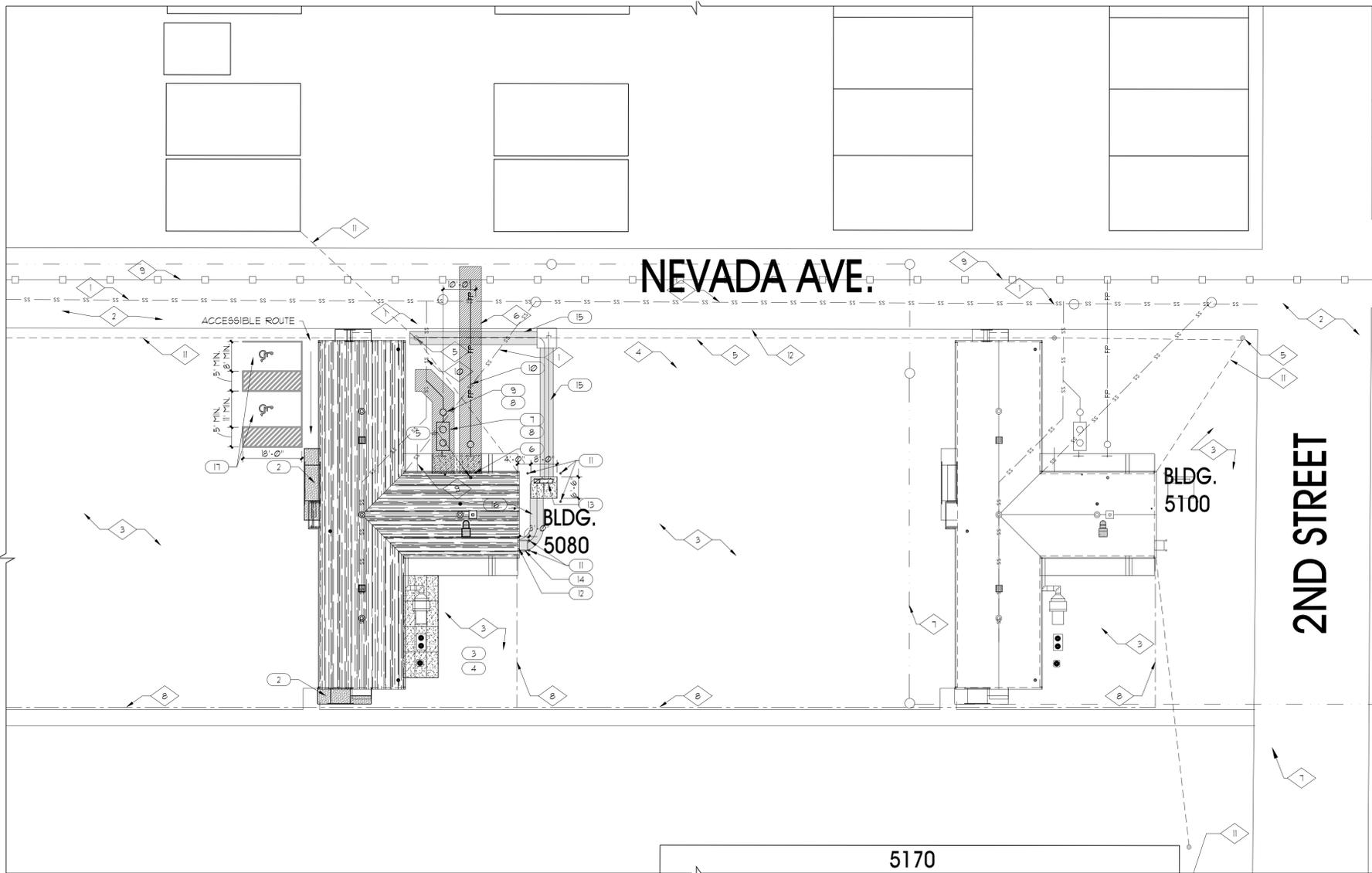
**ISSUE DATA**

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310AS101
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

**SHEET NUMBER:**

**AS101**

SHEET OF



Direct bearing thrust block	Pipe zone backfill	Trench backfill
<ol style="list-style-type: none"> <li>CONCRETE: Class 2000 minimum per APWA Section 03 30 04. Pour concrete against undisturbed soil.</li> <li>PIPE JOINTS: Do not cover with concrete. Leave completely accessible.</li> <li>GREASE: Apply poly-fm grease to all buried metal surfaces. Wrap with 8 mil thick polyethylene sheet and tape wrap.</li> <li>SPECIAL CONSTRUCTION REQUIREMENTS:                     <ol style="list-style-type: none"> <li>Thrust design for pipe sizes or configurations not shown require special design. Take precedence over this plan.</li> <li>Bearing areas, volumes, and special thrust blocking details shown on Drawings take precedence over this plan.</li> <li>Reinforcing steel bars to be epoxy coated at least 15 mils thick. Minimum stress yield strength of tie down bars is 70,000 psi.</li> <li>Locking restraint devices may be used in conjunction with concrete thrust blocking (at option of ENGINEER).</li> </ol> </li> <li>INSPECTION: Prior to backfilling around thrust block, secure inspection of installation by ENGINEER.</li> </ol>	<ol style="list-style-type: none"> <li>BACKFILL: Do not use sewer rock or recycled RAP aggregate in the pipe zone without ENGINEER's written approval.                     <ol style="list-style-type: none"> <li>Granular Fill Below Pipe Spring Line.                             <ol style="list-style-type: none"> <li>Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. When using concrete, provide at least Class 2,000 per APWA Section 03 30 04.</li> <li>Install and compact backfill material per pipe manufacturer' recommendations.</li> <li>Water jetting is not allowed in backfilling operation.</li> <li>Submission of quality control compaction test result data developed for haunching areas may be requested by ENGINEER at any time. CONTRACTOR is to provide results of tests immediately upon request.</li> </ol> </li> <li>Granular Fill Above Pipe Spring Line.                             <ol style="list-style-type: none"> <li>Furnish 3/4 inch crushed aggregate base material, unless specified otherwise by pipe manufacturer. Place in lifts not exceeding 8 inches before compaction.</li> <li>Water jetting is not allowed in backfilling operation.</li> <li>Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater unless pipe manufacturer requires more stringent installation.</li> </ol> </li> <li>Flowable Fill.                             <ol style="list-style-type: none"> <li>Provide and place controlled low strength material per APWA Section 31 05 15 if allowed by pipe manufacturer.</li> <li>Prevent pipe flotation by installing in lifts and providing pipe restraints as required by pipe manufacturer.</li> <li>Reset pipe to line and grade if pipe "floats" out of position.</li> </ol> </li> </ol> </li> <li>PIPE ZONE WIDTH: Provide width recommended by pipe manufacturer. Width of pipe zone is measured at the pipe spring line and includes any necessary sheathing. In trench box applications, follow manufacturer's recommendations.</li> <li>PIPE LOCATION: Install pipe in center of trench or no closer than 6 inches from wall of pipe to wall of trench.</li> <li>PEA GRAVEL: Pea gravel is not allowed in any part of the pipe zone.</li> <li>FOUNDATION STABILIZATION: Use sewer rock of APWA Section 31 05 13. Installation of stabilization-separation geotextile per APWA Section 31 05 19 will be required to separate backfill material and native subgrade materials if sewer rock cannot provide a working surface or to prevent soils migration.</li> </ol>	<ol style="list-style-type: none"> <li>BACKFILL: Above the pipe zone.                     <ol style="list-style-type: none"> <li>Granular Fill. Limit maximum particle size to 6 inches. Place fill per APWA Section 33 05 20. Compact to a modified proctor density of 95 percent or greater. Maximum lift thickness is 8 inches before compaction. Do not use clay without ENGINEER's review and acceptance. Water jetting is NOT allowed in backfilling operation.</li> <li>Flowable Fill. Provide and place controlled low strength material per APWA Section 31 05 15. Cure the fill before placing surface restorations.</li> </ol> </li> <li>LANDSCAPED RESTORATION: Provide landscaped surfaces with topsoil. Flake to match existing grade. Replace vegetation to match pre-construction conditions. See APWA Section 32 92 00 or APWA Section 32 93 13 requirements.</li> <li>PAVEMENT RESTORATION: Do not install asphalt or concrete surfacing until trench compaction is accepted by ENGINEER.</li> <li>PEA GRAVEL: Pea gravel is not allowed in any part of the trench.</li> </ol>



ARCHITECTURAL SITE PLAN



BOLLARD DETAIL



3/8" = 1'-0"



5  
**GENERAL NOTES AND LEGEND:**  
FOR SHEET AD102 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.

**EXIST. / DEMO KEYED NOTE LEGEND:** D  
FOR SHEET AD102 ONLY.

- 1 EXISTING RANGE EXHAUST HOOD DUCT / SHAFT AND ASSOCIATED ROOF TOP EXHAUST EXTRACTOR & FAN TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
- 2 EXISTING GYP. BD. CEILING & EXISTING ROOF INSULATION TO BE REMOVED.
- 3 EXISTING LIGHT FIXTURE, CONDUITS, F-BOXES, BALLASTS, TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL. SEE ELECTRICAL PLANS.
- 4 EXISTING STRUCTURAL BEAM (ABOVE) TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 5 EXISTING ROOF MOUNTED HEATER TO BE REMOVED. COORDINATE SALVAGE/DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.
- 6 EXISTING ATTIC ACCESS TO BE REMOVED.
- 7 EXISTING SOFFIT TO BE REMOVED.
- 8 EXISTING SWAMP COOLER TO BE REMOVED.
- 9 EXISTING 12" CROWN MOLDING TO BE REMOVED AT ALL EXISTING WALLS. PATCH AND REPAIR SURFACE FOR NEW PAINT.
- 10 EXISTING RECESSED LIGHT FIXTURE TO BE REMOVED. COORD. SALVAGE / DISPOSAL WITH UTAH NATIONAL GUARD PERSONNEL.

ARCHITECT PROJECT # 0915



ajc architects

703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com

PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services



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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:  
**DEMOLITION REFLECTED CEILING PLAN**

REVISIONS

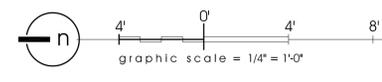
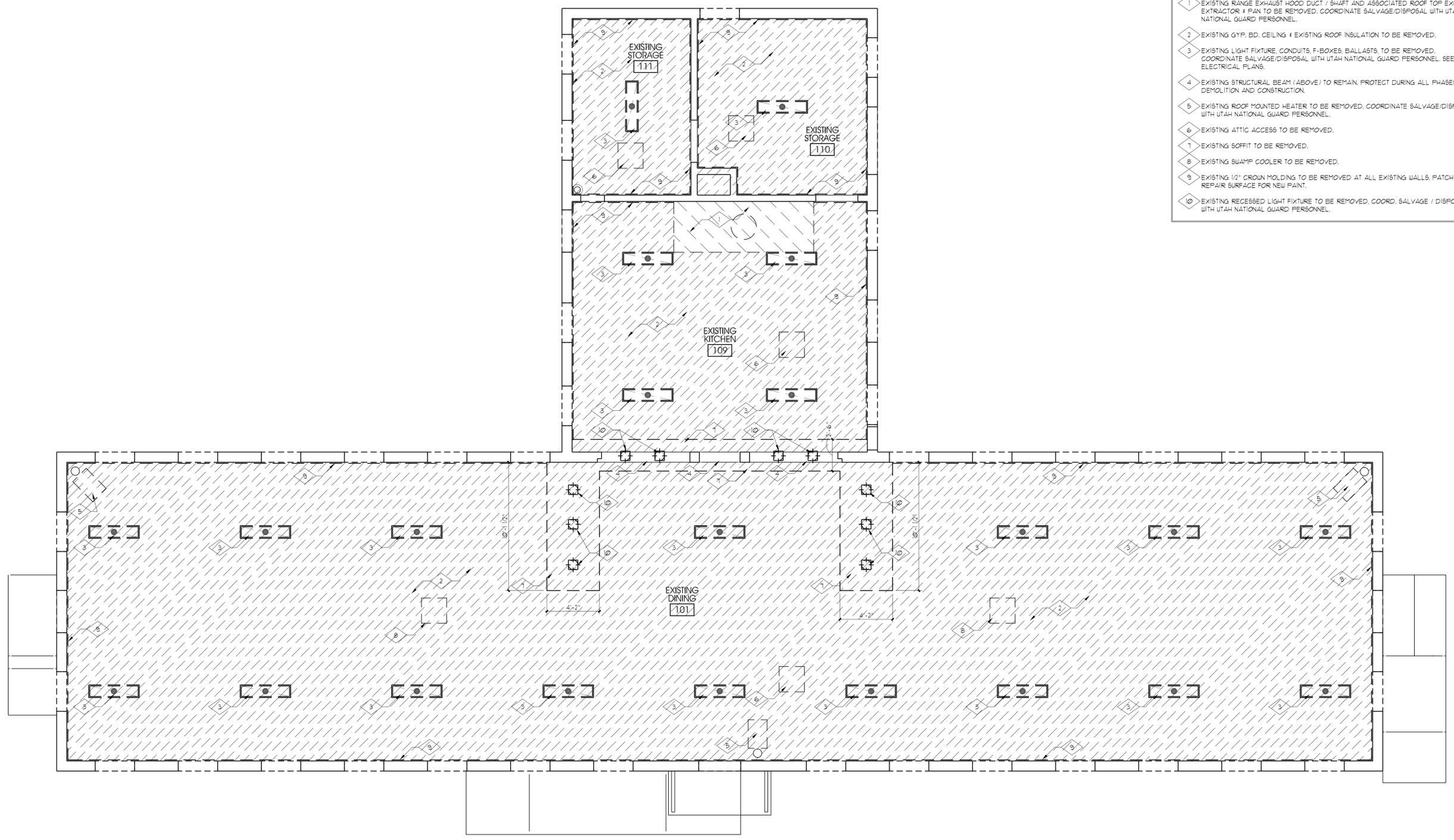
MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310AD102
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

SHEET NUMBER:

**AD102**  
 SHEET OF



DEMOLITION REFLECTED CEILING PLAN A5  
AD102

D

C

B

A

C

B

A

1

2

3

4

5

1

2

3

4

5

**5**  
**GENERAL NOTES AND LEGEND:**  
 FOR SHEET AD103 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- COVER OPENINGS THROUGH ROOF AS REQ'D UNTIL NEW ROOFING IS INSTALLED W/ WEATHER PROOF ASSEMBLY.

**DEMO KEYED NOTE LEGEND:**  
 FOR SHEET AD103 ONLY.

- 1 EXISTING ROOFING SHINGLES, FLASHING TO BE DEMOLISHED, DISPOSE, PROTECT STRUCTURE & SHEATHING DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 2 EXISTING CHIMNEY TO REMAIN, PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 3 EXISTING ROOF VENT TO BE DEMOLISHED, DISPOSE.
- 4 EXISTING ROOF TOP VENTS AND MECHANICAL EQUIPMENT TO BE REMOVED - PREPARE OPENING TO BE PATCHED WITH NEW SHINGLES AND SHEATHING.
- 5 EXISTING SWAMP COOLER TO BE REMOVED - PREPARE OPENING TO BE PATCHED WITH NEW SHINGLES AND SHEATHING.
- 6 EXISTING ROOF TOP GREASE EXTRACTOR, PAN, AND DUCT / SHAFT TO BE REMOVED.
- 7 EXISTING ROOF GUTTER AND DOWNSPOUT(S) TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

ARCHITECT PROJECT # 0915



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com

PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services



Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
 BUILDING 5080**

SHEET NAME:

**DEMOLITION  
 ROOF PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

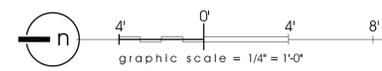
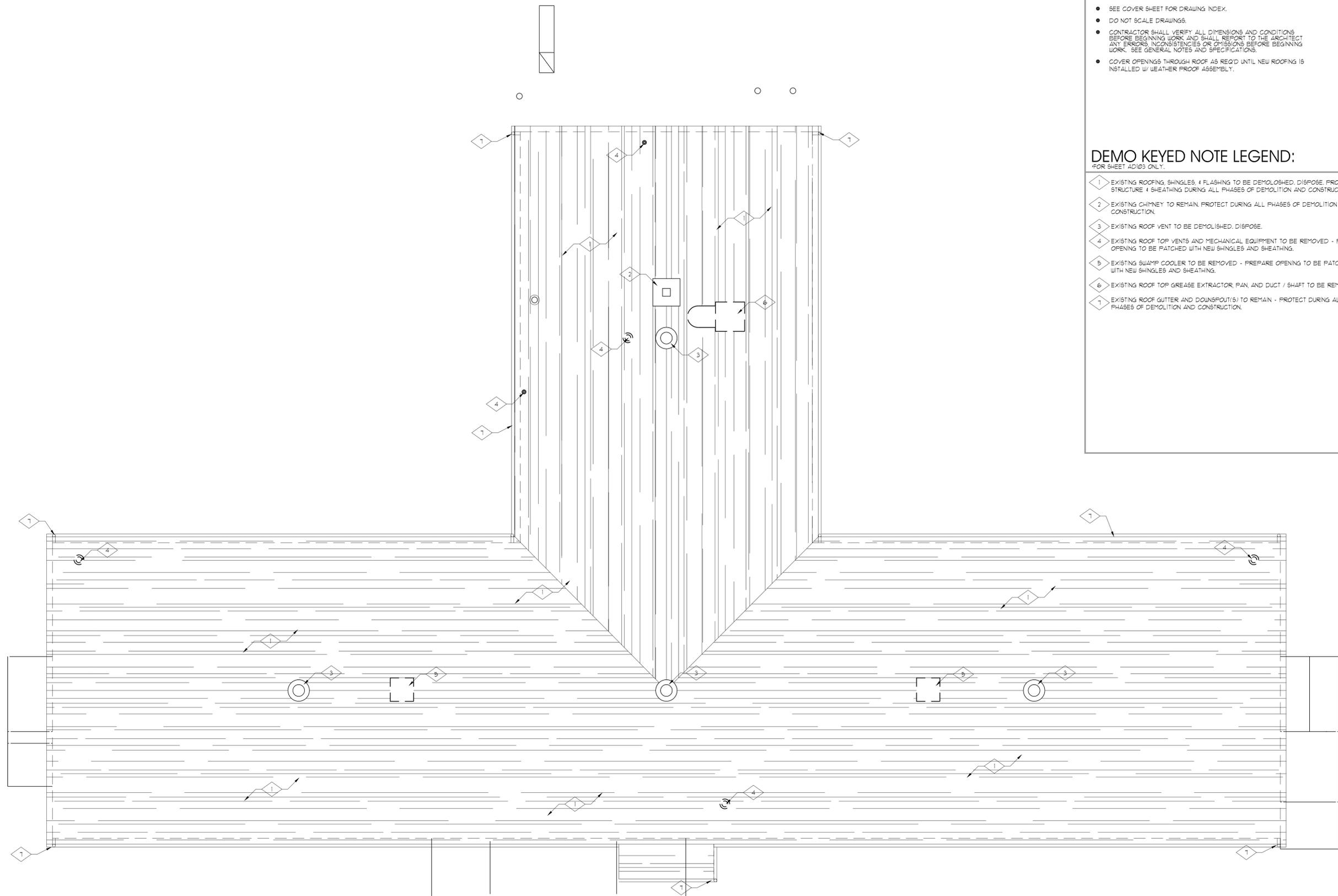
ISSUE DATA

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310AD103
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

SHEET NUMBER:

**AD103**

SHEET OF



DEMOLITION ROOF PLAN A5  
 AD103

**1 GENERAL NOTES AND LEGEND:**  
FOR SHEET AE101 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
  - SEE COVER SHEET FOR DRAWING INDEX.
  - DO NOT SCALE DRAWINGS.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
  - GENERAL CONTRACTOR TO PROVIDE NEW R-30 ROOF INSULATION @ ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
  - GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
  - ALL REQUIRED ASPHALT PATCHING TO MATCH COURSING AND THICKNESS OF EXISTING, ADJACENT ASPHALT PAVING.
- KEYED NOTE, SEE KEYED ELEVATION NOTES, THIS SHEET.
- DOOR DESIGNATION, SEE AE-601
- WINDOW DESIGNATION, SEE AE-601
- WALL TYPES SEE G1001

**2**

- NEW 2x WOOD FRAMED WALL.
- UL 130 2 1/2 HR. RATED BEARING / NON-BEARING WALL.

**3 EXISTING KEYED NOTE LEGEND:**  
FOR SHEET AE101 ONLY.

- EXISTING CONC. STAIRS & LANDING TO REMAIN. PATCH & REPAIR ALL DAMAGED CONCRETE @ CORNERS & EDGES.
- EXISTING EXTERIOR CONCRETE TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL DAMAGED CONCRETE @ CORNERS & EDGES.
- MODIFY EXISTING STAIR & LANDING FOR NEW H.C. ACCESSIBLE RAMP.
- MODIFY EXISTING STAIR AND LANDING TO PROVIDE 44" LANDING AND HANDRAILS ON BOTH SIDES OF RISERS.
- EXISTING TELECOM CONDUIT STUB-UP. PROTECT DURING ALL PHASES OF CONSTRUCTION.

**4 NEW KEYED NOTE LEGEND:**  
FOR SHEET AE101 ONLY.

- PATCH AND REPAIR (INFILL) AS REQUIRED SLAB @ AREAS CUT FOR NEW DRAINS / PLUMBING. INFILL TO BE LEVEL W/ ADJACENT FLOOR SURFACE.
- NEW WALL - 1/2" GYPSUM BOARD OVER 2x STUDS @ 16" O.C. SECURE STUD FRAMING TO STRUCTURE ABOVE. SECURE STUD FRAMING TO CONCRETE SLAB WITH POWDER DRIVEN FASTENERS @ 16" O.C. MAX. - SEE FINISH SCHEDULE SHEET FOR WALL FINISHES, SEE SHEET G1002 FOR WALL TYPES.
- NEW PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
- NEW METAL TOILET PARTITION & URINAL SCREENS.
- NEW ADA ACCESSIBLE CONCRETE RAMP. SLOPE NOT TO EXCEED 1:20.
- NEW MOP SINK.
- NEW CONDENSING UNIT & CONCRETE HOUSE KEEPING PAD. - SEE MECHANICAL DRAWINGS.
- COLD FOOD COUNTER AND BEVERAGE DISPENSERS PROVIDED AND INSTALLED BY UTAH NATIONAL GUARD. SEE MECH. & ELECT. DRAWINGS.
- NEW FLOOR DRAIN OR FLOOR SINK. SEE MECHANICAL.
- NEW MILLWORK. SEE INTERIOR ELEVATIONS.

**5**

- NEW ADA SIGNAGE. SEE DETAIL, C1/AE501.
- NEW STAINLESS STEEL CORNER GUARDS - SEE DETAIL INDICATED.
- INFILL W/ 2x STUDS @ EXISTING VENT OPENING. SEE DETAIL INDICATED.
- NEW MUA UNIT. SEE MECHANICAL DRAWINGS.
- NEW 2 WAY SLING DOOR W/ VISION LIGHT. SEE DOOR SCHEDULE.
- LINE OF NEW HOOD ABOVE - SEE FOOD SERVICE PLAN. SEE MECH. DRAWINGS.
- NEW RANGE GRILLE - SEE FOOD SERVICE PLAN.
- NEW CONVECTION OVEN - SEE FOOD SERVICE PLAN F5101.
- NEW REACH-IN REFRIGERATOR - SEE FOOD SERVICE PLAN.
- NEW REACH-IN FREEZER - SEE FOOD SERVICE PLAN F5101.
- ELECTRICAL TELECOMM EQUIPMENT. SEE ELECTRICAL DRAWINGS.
- 6'-0" HIGH CHAIN LINK FENCE AND GATE WITH VINYL INSERTS - COLOR TO MATCH BUILDING.
- 4" CONCRETE SLAB OVER 4" FREE DRAINING GRAVEL. SEE DETAIL INDICATED.
- REPLACE CONCRETE AFTER TRENCHING - THICKNESS BEARING AND FINISH TO MATCH EXISTING.
- LOCATION OF ELECTRICAL DISCONNECT BOXES - SEE ELECTRICAL DRAWINGS.
- ASSUMED AREA OF LEVEL LANDING - GENERAL CONTRACTOR TO VERIFY.
- NEW FOOD SERVICE EQUIPMENT PROVIDED AND INSTALLED BY THE NATIONAL GUARD.
- WATERPROOF AND INSULATE DUCTWORK - SEE MECHANICAL DRAWINGS.
- FIRE LINE RISER W/ 2" CLEARANCE BETWEEN PIPE & SLAB (DON'T POUR BACK).
- FIRE DEPARTMENT CONNECTION.
- ALL EXISTING WALLS & BASE TO BE RE-PLASTERED.
- NEW BOLLARD. SEE DETAIL, A5/A5101.
- NEW ELECTRIC WATER COOLERS. SEE PLUMBING DRAWINGS. SEE ADA GUIDELINES, SHEET G1003 & G1004 FOR MOUNTING & CLEARANCE REQUIREMENTS.
- ACCESSIBLE ENTRANCE WALL MOUNTED SIGN. SEE SIGNAGE SCHEDULE ON G1004.
- ADA PARKING WALL MOUNTED SIGN. SEE SIGNAGE SCHEDULE ON G1004.
- TACTILE EXIT SIGN. SEE SIGN SCHEDULE, SHEET G1004.



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:

**NEW CONSTRUCTION FLOOR PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310AE101  
DFCM PROJECT #: 07332480  
CONTRACT #: 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

**AE101**  
SHEET OF

D

C

B

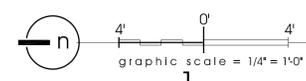
A

D

C

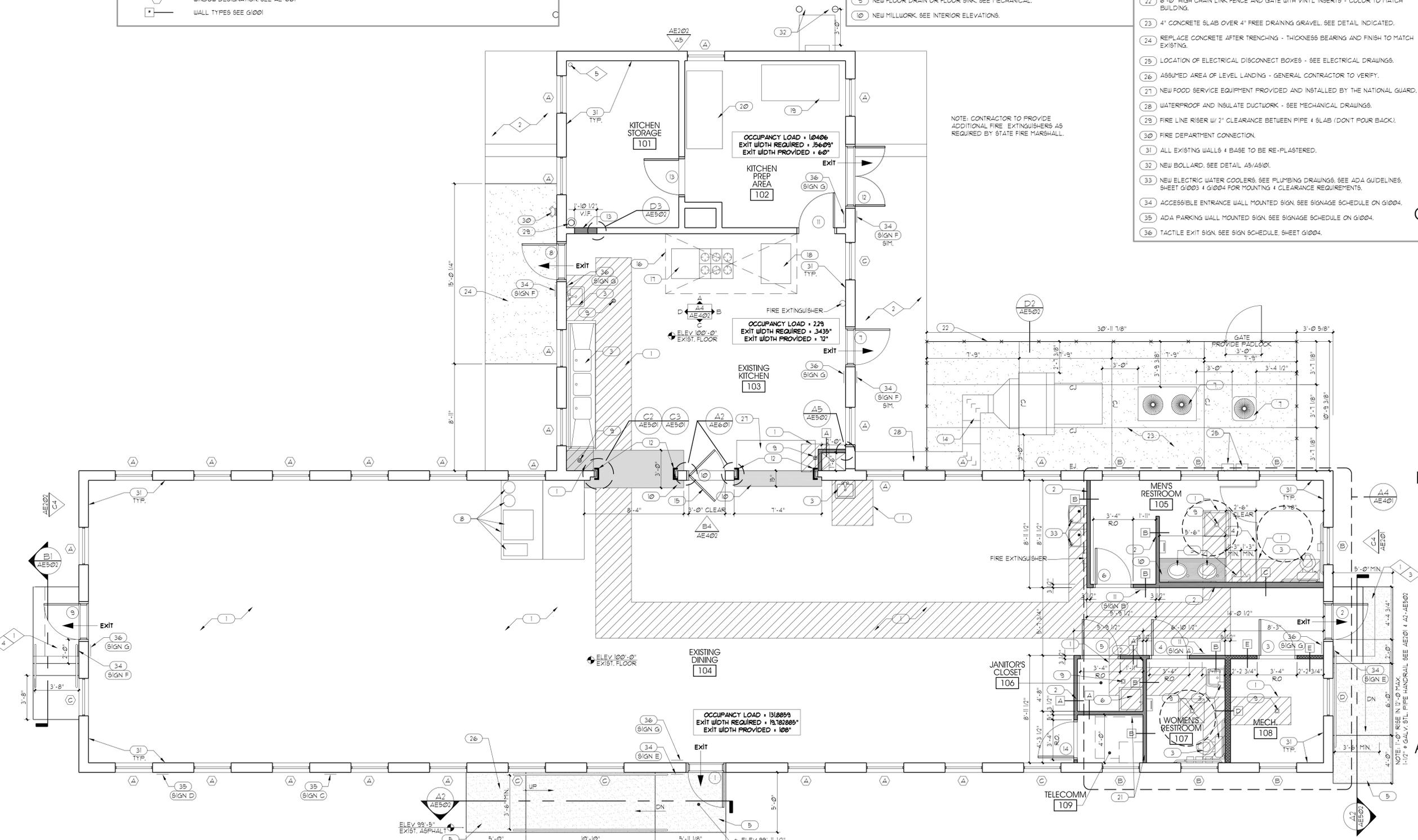
B

A



NOTE: 1'-0" RISE IN 12'-0" MAX.  
1-1/2" @ G.A.L.Y. STL. PIPE HANDRAIL SEE AE201 & A2-AE502

NOTE: CONTRACTOR TO PROVIDE ADDITIONAL FIRE EXTINGUISHERS AS REQUIRED BY STATE FIRE MARSHALL.



**NEW CONSTRUCTION FLOOR / EXITING PLAN**

A5  
AE101

**GENERAL NOTES AND LEGEND:**  
FOR SHEET AE102 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO PROVIDE NEW R-38 ROOF INSULATION & ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
- GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
- SEE D1/AE501 FOR CEILING BRACING DETAIL.  
SEE D7/AE501 FOR CEILING GRID DETAIL.
- PROVIDE R-38 BATT INSULATION CONTINUOUS IN ATTIC AREA - SECURE TO UNDERSIDE OF ROOF DECK.
- CONTRACTOR TO FIELD VERIFY EXISTING TRUSS CONFIGURATION AND ADJUST AS NECESSARY FOR INSTALLATION OF NEW HOOD AND RATED ASSEMBLY.

- 2x4 LAY-IN OR SURFACE FLUORESCENT LIGHT FIXTURE
- 4' WALL MOUNT FLUORESCENT LIGHT FIXTURE
- 2x2 SUPPLY AIR DIFFUSER
- 2x2 RETURN AIR GRILLE
- EXHAUST FAN SEE MECHANICAL

**NEW KEYED NOTE LEGEND:**  
FOR SHEET AE102 ONLY.

- 1 NEW 2' x 4' VINYL FACED CEILING TILE ACT-1.
- 2 NEW 2' x 4' ACOUSTIC CEILING TILE ACT-2.
- 3 NEW HOOD W/ GYP. BD. SOFFIT, SEE DETAIL B5/AE502 FOR RATED HOOD ENCLOSURE.
- 4 6" FLUE THRU ROOF, FIRE RATE ALL PENETRATIONS.
- 5 EXHAUST 4 COMBUSTION AIR THRU ROOF - SEE MECHANICAL DRAWINGS.
- 6 EXISTING SOFFIT AND BRACES TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 7 COORDINATE EXTERIOR LIGHTS 4 MOUNTING CLEARANCES WITH EXTERIOR RAFTERS.

ARCHITECT PROJECT # 0915



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**NEW CONSTRUCTION  
REFLECTED CEILING  
PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

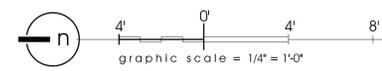
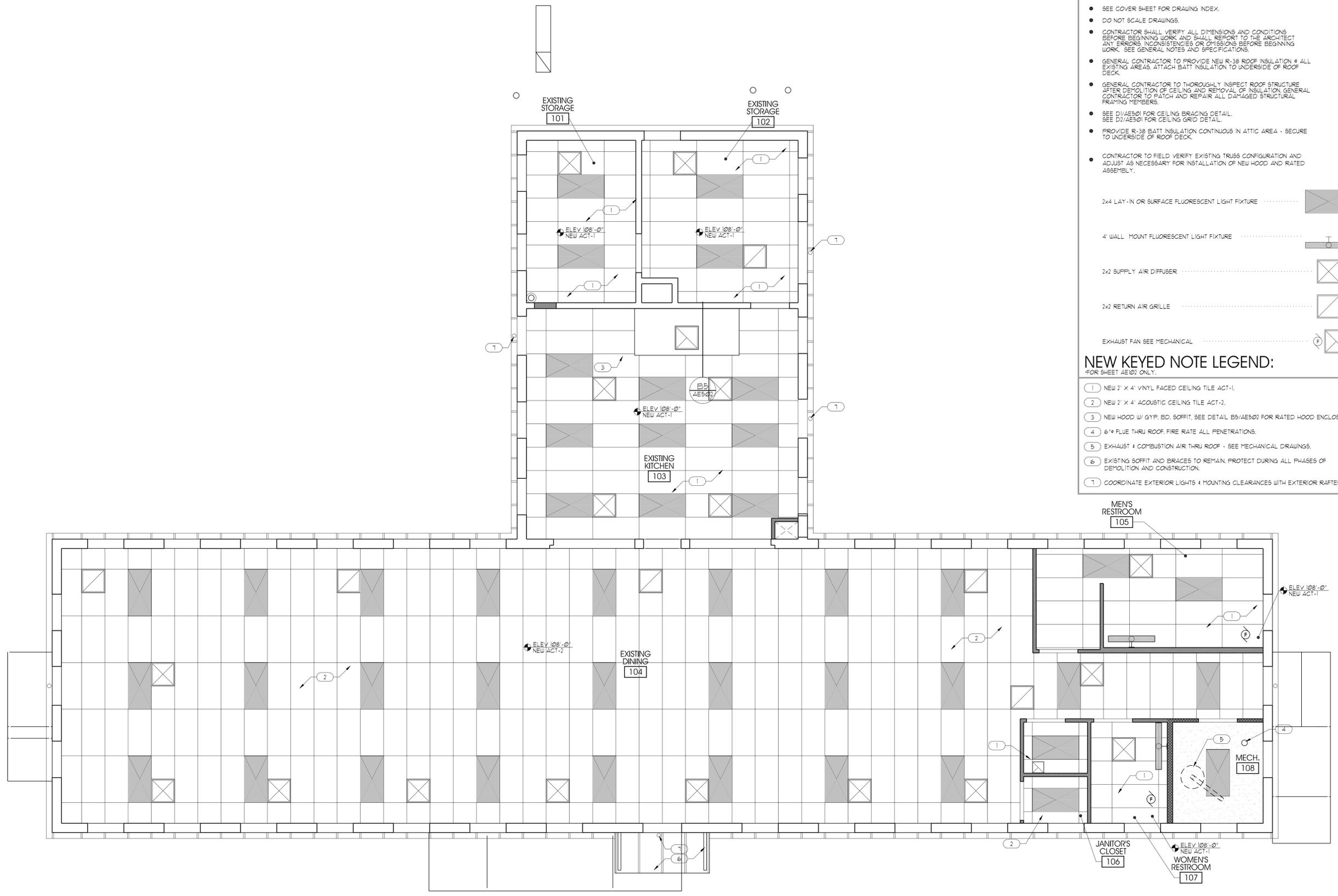
ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310AE102  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

**AE102**

SHEET OF



**NEW CONSTRUCTION REFLECTED CEILING PLAN** A5  
AE102

**5**  
**GENERAL NOTES AND LEGEND:**  
FOR SHEET AE103 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

**EXISTING KEYED NOTE LEGEND:**  
FOR SHEET AE103 ONLY.

- 1 EXISTING STRUCTURE & SHEATHING TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 2 EXISTING CHIMNEY TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 3 EXISTING RIDGE VENT TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION & CONSTRUCTION.
- 4 EXISTING GUTTER AND DOWNSPOUT(S) TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.

**NEW KEYED NOTE LEGEND:**  
FOR SHEET AE103 ONLY.

- 1 EXISTING LOCATIONS OF ROOF TOP VENTS, MECHANICAL EQUIPMENT AND SWAMP COOLERS TO RECEIVE NEW 35 YEAR ARCHITECTURAL GRADE ASPHALT SHINGLES TO MATCH EXISTING OVER NEW 30" FELT OVER NEW SHEATHING. SEE DETAIL A4/AE502.
- 2 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
- 3 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.
- 4 NEW SHINGLE ROOF FLASH AS REQUIRED.

ARCHITECT PROJECT # 0915



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com

PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

**CAMP WILLIAMS  
 BUILDING 5080**

SHEET NAME:

**NEW CONSTRUCTION  
 ROOF PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

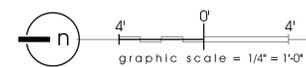
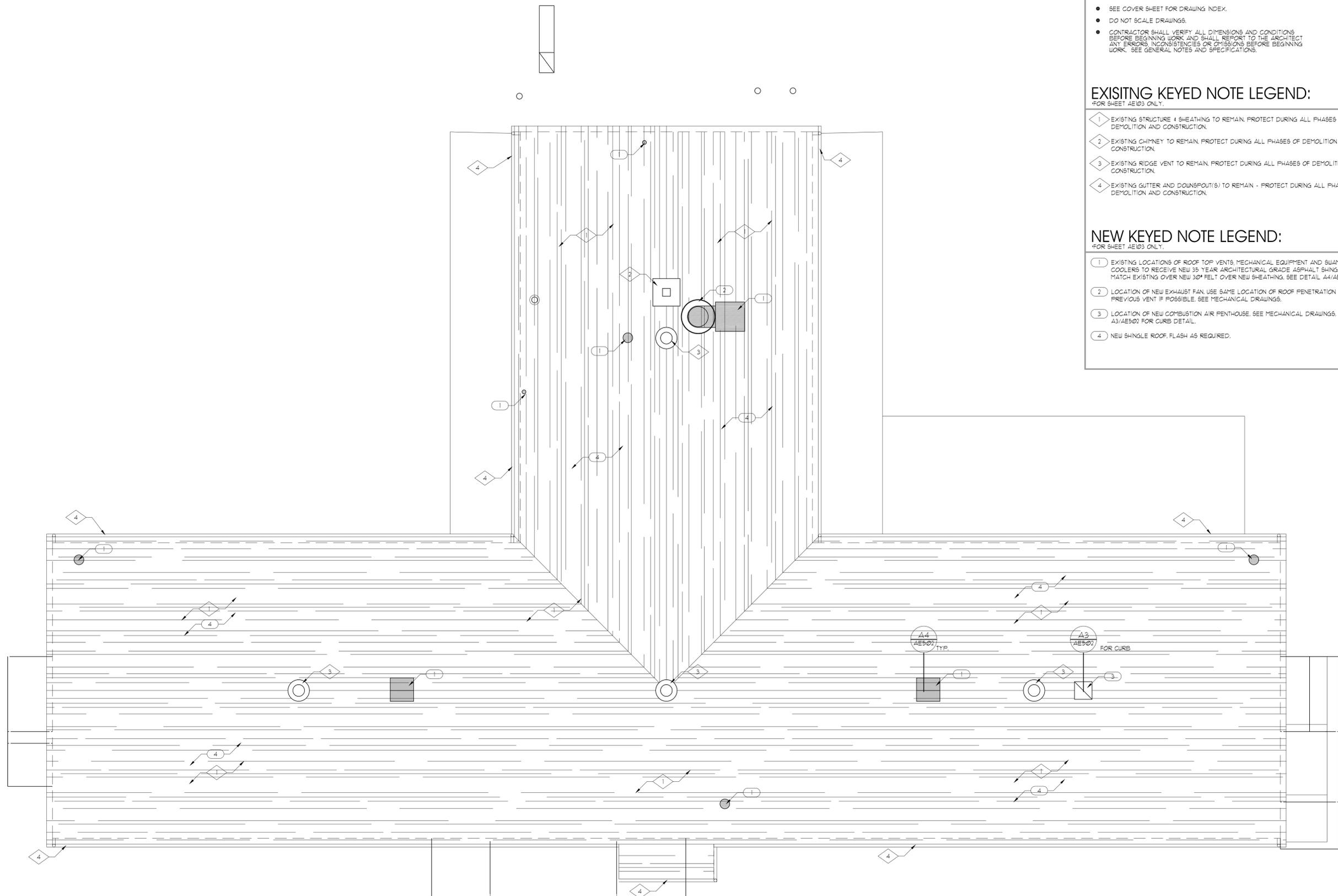
ISSUE DATE: APRIL 2009  
 ISSUE TYPE: CD  
 DRAWN BY: S.BAUGH  
 CHECKED BY: K.RIGBY  
 CAD FILE NAME: 0310AE103  
 DFCM PROJECT # 07332480  
 CONTRACT # 087184  
 COPYRIGHT: DFCM

SHEET NUMBER:

**AE103**

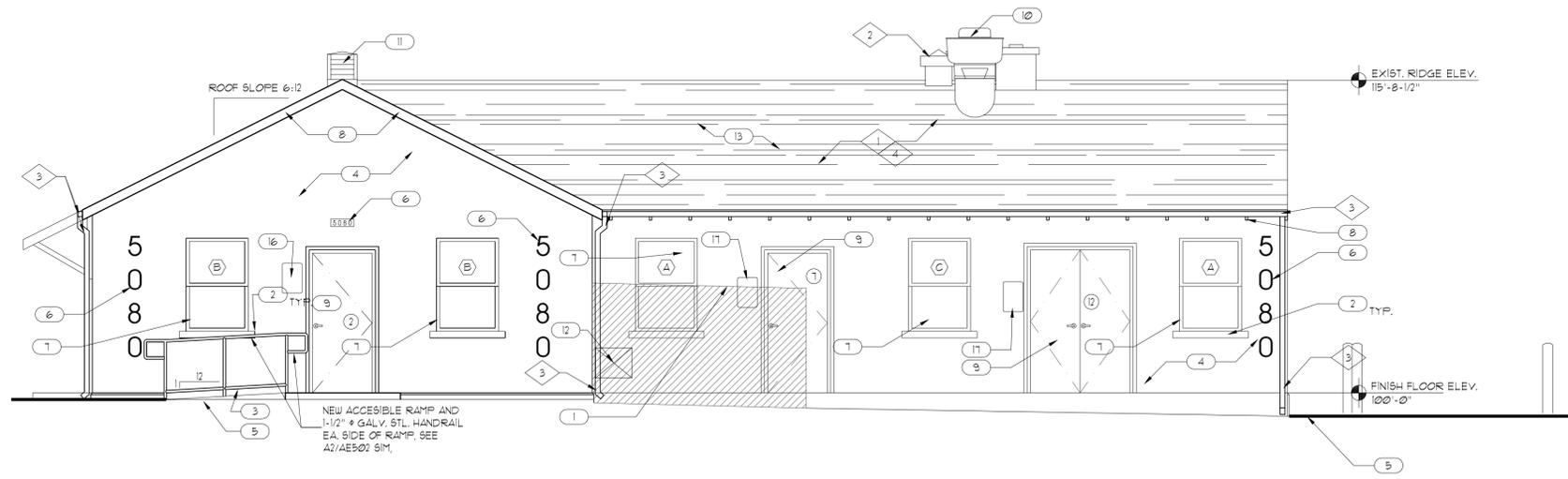
SHEET OF

NEW CONSTRUCTION ROOF PLAN



1 | 2 | 3 | 4

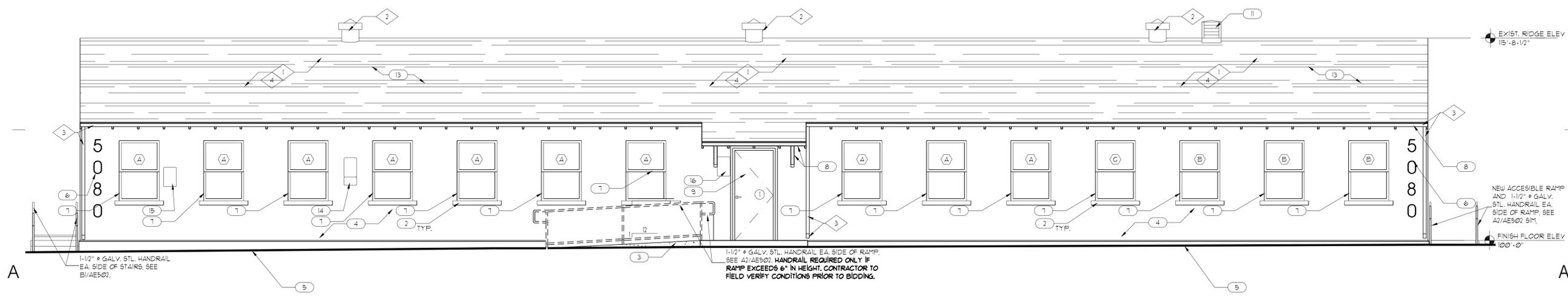
D



EXTERIOR ELEVATION C4  
SCALE: 1/4" = 1'-0" AE202

C

B



EXTERIOR ELEVATION A5  
SCALE: 1/4" = 1'-0" AE201

A

5  
GENERAL NOTES AND LEGEND:  
FOR SHEET AE201 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

EXISTING KEYED NOTE LEGEND:  
FOR SHEET AE201 ONLY.

- 1 EXISTING ROOF STRUCTURE & SHEATHING TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL EXIST. ROOF PENETRATIONS / HOLES LEFT FROM REMOVAL OF ROOF TOP VENTS & MECHANICAL EQUIPMENT.
- 2 EXISTING VENT TO REMAIN. PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 3 EXISTING GUTTER AND DOWNSPOUTS TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 4 EXISTING ROOF SHINGLES & FLASHING TO BE DEMOLISHED. DISPOSE.

NEW KEYED NOTE LEGEND:  
FOR SHEET AE201 ONLY.

- 1 LINE OF NEW 6'-0" HIGH CHAIN LINK FENCE WITH VINYL INSERTS. COLOR OF INSERTS TO MATCH BUILDING. GENERAL CONTRACTOR TO SUBMIT SAMPLES TO ARCHITECT FOR REVIEW. ALL FENCE AND GATE DETAILS TO BE BY MANUFACTURER. PROVIDE LOCKING GATE.
- 2 PATCH AND PAINT EXISTING STUCCO SILLS.
- 3 NEW CONCRETE ADA RAMP & LANDING. SLOPE TO BE 1:12 SLOPE OR LESS. VERIFY EXISTING SITE SLOPE.
- 4 PREP. AND PAINT EXISTING BUILDING AND FOUNDATION WALLS TO MATCH EXISTING COLOR. G.C. TO PATCH & REPAIR ALL CRACKS, DELAMINATED AREAS AND OTHER DAMAGED AREAS PRIOR TO PAINTING. FIELD VERIFY PRIOR TO BIDDING. SEE SPECIFICATIONS FOR EXTERIOR STUCCO PAINT.
- 5 LINE OF FINISHED GRADE.
- 6 REPAINT BUILDING NUMBERS. ADD "0" TO EACH NUMBER TO READ AS FOLLOWS: 500 TO 5000. NEW NUMBER SIZE AND COLOR TO MATCH EXISTING.
- 7 NEW WINDOW IN EXISTING MASONRY OPENING. ALUMINUM WINDOWS @ BUILDING 5000. SEE WINDOW SCHEDULE SHEET.
- 8 PREP. AND PAINT EXISTING WOOD FASCIA & FRAMING MEMBERS.
- 9 NEW DOOR AND FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE SHEET.
- 10 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
- 11 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.
- 12 NEW MECHANICAL OPENING FOR MAKE UP AIR DUCT. REINFORCE W/ STEEL ANGLES AS REQUIRED.
- 13 NEW ASPHALT SHINGLES TO MATCH BUILDING 5100.
- 14 ADA SIGN TYPE C. SEE SHEET G1004.
- 15 ADA SIGN TYPE D. SEE SHEET G1004.
- 16 ADA SIGN TYPE E. SEE SHEET G1004.
- 17 ADA SIGN TYPE F. SEE SHEET G1004.

ARCHITECT PROJECT # 0915



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

CAMP WILLIAMS  
BUILDING 5080

SHEET NAME:

EXTERIOR ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310AE201
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

SHEET NUMBER:

AE201

SHEET OF

1 | 2 | 3 | 4 | 5

1

2

3

4

5

### GENERAL NOTES AND LEGEND:

- SEE SHEET G1007 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.

ARCHITECT PROJECT # 0915



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com

### EXISTING KEYED NOTE LEGEND:

- 1 EXISTING ROOF STRUCTURE & SHEATHING TO REMAIN, PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION. PATCH & REPAIR ALL EXIST. ROOF PENETRATIONS / HOLES LEFT FROM REMOVAL OF ROOF TOP VENTS & MECHANICAL EQUIPMENT.
- 2 EXISTING RIDGE VENT TO REMAIN, PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 3 EXISTING GUTTER AND DOWNSPOUT TO REMAIN - PROTECT DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
- 4 EXISTING ROOF SHINGLES & FLASHING TO BE DEMOLISHED, DISPOSE.

### NEW KEYED NOTE LEGEND:

- 1 LOCATION OF NEW 6'-0" HIGH CHAIN LINK FENCE WITH VINYL INSERTS - COLOR OF INSERT TO MATCH BUILDING - GENERAL CONTRACTOR TO SUBMIT SAMPLES TO ARCHITECT FOR REVIEW. ALL FENCING AND GATE DETAILS TO BE BY MANUFACTURER. PROVIDE LOCKING GATE.
- 2 PAINT EXISTING STUCCO WALLS.
- 3 NEW CONCRETE ADA RAMP & LANDING. SLOPE TO BE 1:20 OR LESS. VERIFY EXISTING SITE SLOPE.
- 4 PREP. AND PAINT EXISTING BUILDING AND FOUNDATION WALLS TO MATCH EXISTING COLOR, G.C. TO PATCH & REPAIR ALL CRACKS, DELAMINATED AREAS AND OTHER DAMAGED AREAS PRIOR TO PAINTING. FIELD VERIFY DURING BIDDING. SEE SPECIFICATIONS FOR EXTERIOR STUCCO PAINT.
- 5 LINE OF FINISHED GRADE.
- 6 REPAINT BUILDING NUMBERS, ADD "0" TO EACH NUMBER TO READ AS FOLLOWS: 500 TO 5080. NEW NUMBER SIZE AND COLOR TO MATCH EXISTING.
- 7 NEW WINDOW IN EXISTING MASONRY OPENING. ALUMINUM WINDOW @ BUILDING 5080. SEE WINDOW SCHEDULE SHEET.
- 8 PREP. AND PAINT EXISTING WOOD FASCIA & FRAMING MEMBERS.
- 9 NEW DOOR AND FRAME IN EXISTING MASONRY OPENING. SEE DOOR SCHEDULE SHEET.
- 10 LOCATION OF NEW EXHAUST FAN. USE SAME LOCATION OF ROOF PENETRATION AS PREVIOUS VENT IF POSSIBLE. SEE MECHANICAL DRAWINGS.
- 11 LOCATION OF NEW COMBUSTION AIR PENTHOUSE. SEE MECHANICAL DRAWINGS. SEE A3/AE502 FOR CURB DETAIL.
- 12 NEW BOLLARD. SEE DETAIL A5/A5101.
- 13 NEW ASPHALT SHINGLES TO MATCH BUILDING 5100.
- 14 ADA SIGN TYPE F. SEE SHEET G1004.

### PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

## CAMP WILLIAMS BUILDING 5080

### SHEET NAME:

### B EXTERIOR ELEVATIONS

MARK	DATE	DESCRIPTION

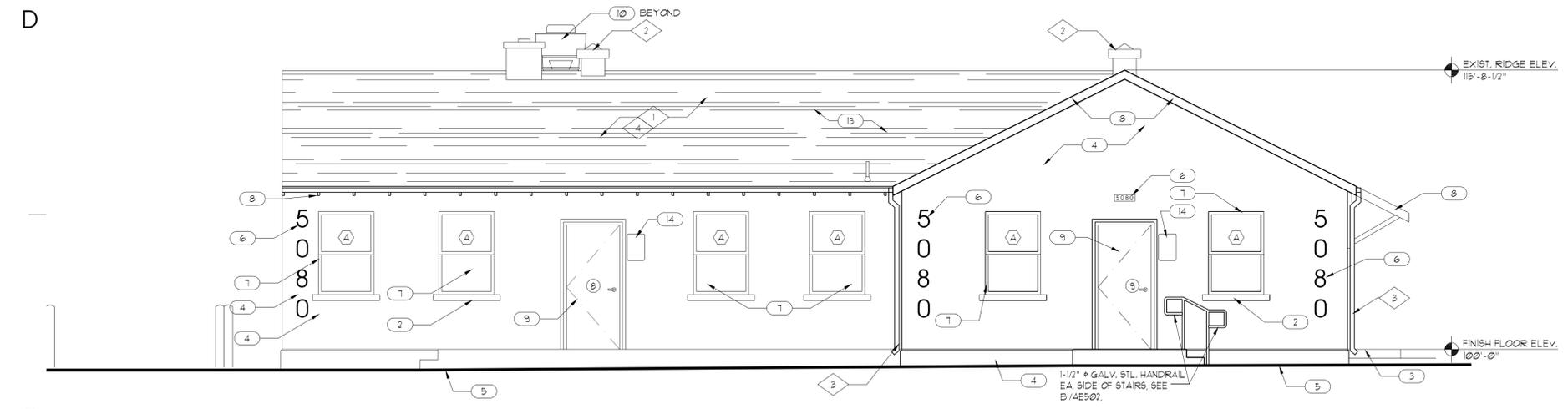
### ISSUE DATA

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	CD
DRAWN BY:	S.BAUGH
CHECKED BY:	K.RIGBY
CAD FILE NAME:	0310AE202
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

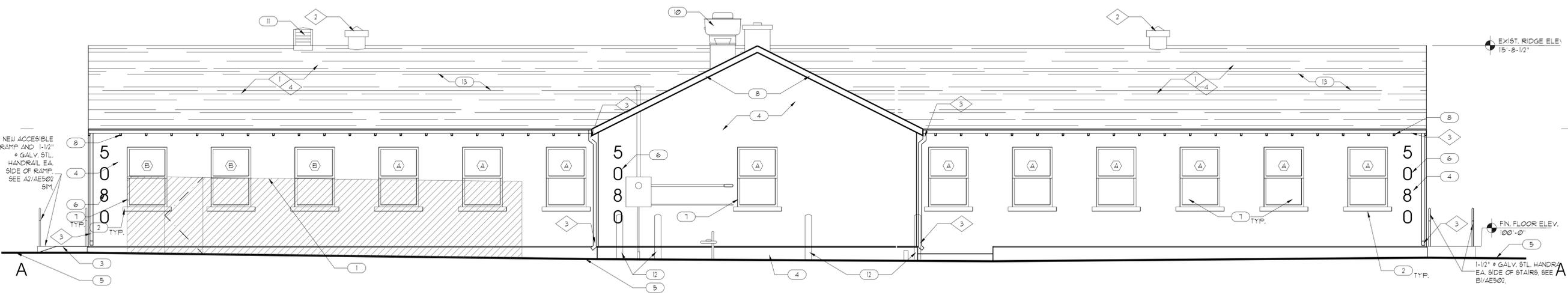
### SHEET NUMBER:

# AE202

SHEET OF



EXTERIOR ELEVATION C4  
 SCALE: 1/4" = 1'-0" AE202



EXTERIOR ELEVATION A5  
 SCALE: 1/4" = 1'-0" AE202

5  
GENERAL NOTES AND LEGEND:  
FOR SHEET AE401 ONLY.

- SEE SHEET G1002 FOR GENERAL NOTES.
  - SEE COVER SHEET FOR DRAWING INDEX.
  - DO NOT SCALE DRAWINGS.
  - CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
  - GENERAL CONTRACTOR TO PROVIDE NEW R-38 ROOF INSULATION & ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
  - GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
  - ADD SOUND ATTENUATION BLANKET INSULATION CONTINUOUS AT ALL RESTROOM WALLS AND CEILING.
- KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.  
 DOOR DESIGNATION. SEE AE-601  
 WINDOW DESIGNATION. SEE AE-601  
 WALL TYPES  
 NEW 2x WOOD FRAMED WALL.  
 UL #309  
1 HR. RATED BEARING / NON-BEARING WALL.

EXISTING KEYED NOTE LEGEND:  
FOR SHEET AE401 ONLY.

- 1 EXISTING CONC. STAIRS AND LANDING TO REMAIN. PATCH & REPAIR ALL DAMAGED CONCRETE @ CORNERS & EDGES. ADD LANDING & RAMP AS INDICATED, SEE SHEET AE101.

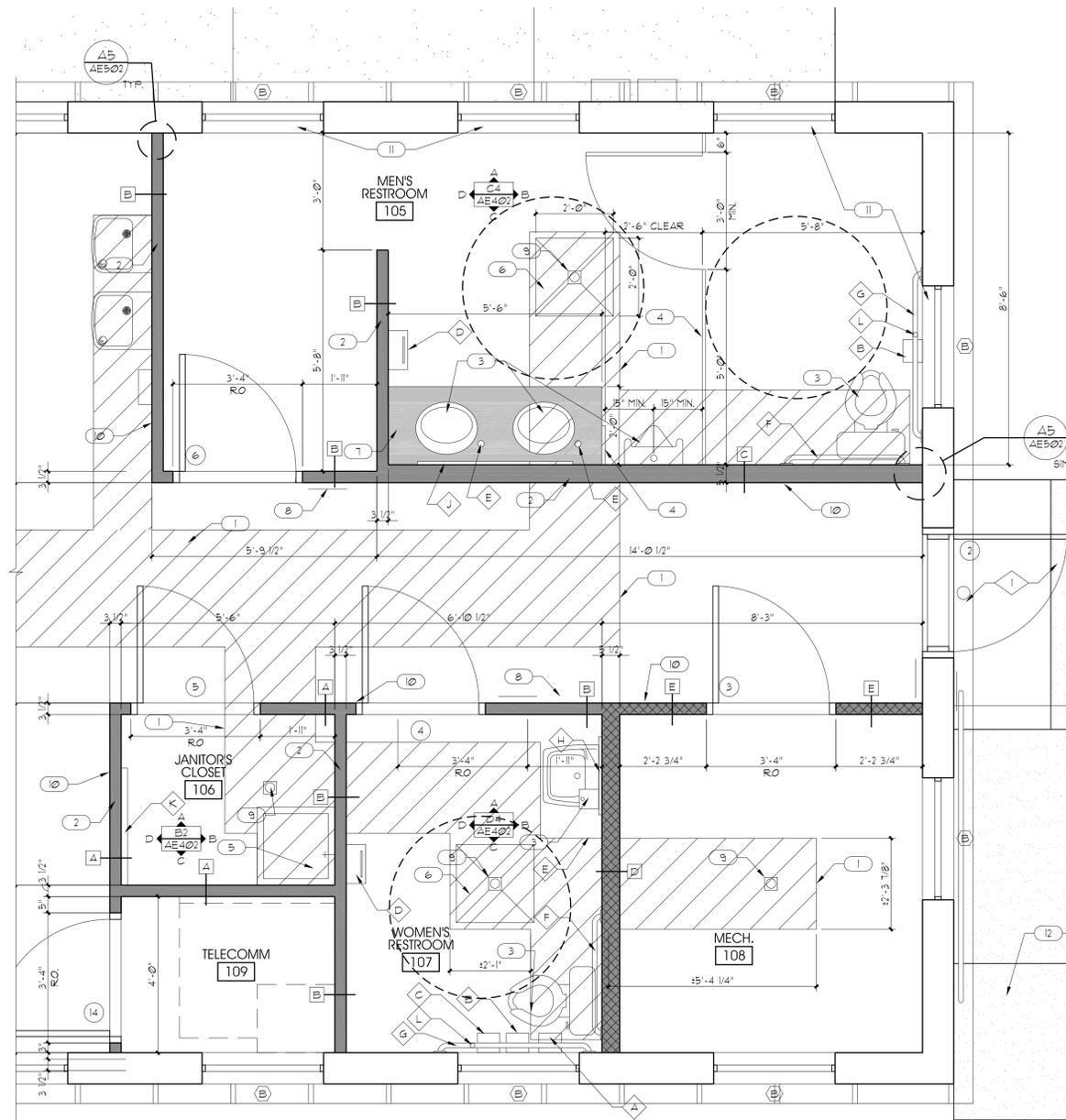
NEW KEYED NOTE LEGEND:  
FOR SHEET AE401 ONLY.

- 1 PATCH AND REPAIR (INFILL) SLAB @ AREAS CUT FOR NEW DRAINS / PLUMBING. COORDINATE W/ PLUMBING CONTRACTOR FOR SAW CUTTING & DEMO.
- 2 NEW WALL - 1/2" GYPSUM BOARD OVER 2x STUDS @ 16" O.C. SECURE STUD FRAMING TO STRUCTURE ABOVE. SECURE STUD FRAMING TO CONCRETE SLAB WITH POWDER DRIVEN FASTENERS @ 16" O.C. MAX. - SEE FINISH SCHEDULE SHEET FOR WALL FINISHES & WALL TYPES.
- 3 NEW PLUMBING FIXTURE. SEE PLUMBING DRAWINGS.
- 4 NEW METAL TOILET PARTITION & URINAL SCREEN.
- 5 NEW MOP SINK. SEE PLUMBING DRAWINGS.
- 6 SLOPE FLOOR TILE TOWARDS DRAIN THIS AREA.
- 7 NEW MILLWORK. SEE INTERIOR ELEVATIONS.
- 8 NEW ADA SIGNAGE. SEE SIGNAGE SCHEDULE SHEET G1004.
- 9 NEW FLOOR DRAIN OR FLOOR SINK. SEE MECHANICAL DRAWINGS.
- 10 NEW WOOD BASE TO MATCH EXISTING - PAINT. (COLOR BY ARCH.)
- 11 CERAMIC TILE SILLS & JAMBES @ WAINSCOT.
- 12 NEW CONCRETE LANDING & RAMP. SEE SHEET AE101.

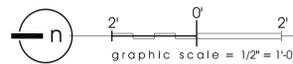
ACCESSORY SCHEDULE

DESCRIPTION	MOUNTING HEIGHT AFF	MANUF.	ITEM #
ROBE HOOK (LOCATE 1 PER STALL @ INSIDE OF DOOR)	60" AFF.	Bobrick	B-211
SANITARY NAPKIN DISPOSAL	30" TO TOP, UNLESS NOTED.	Bobrick	B-270
TOILET PAPER DISPENSER/DISPOSER	AS REQUIRED BY ADA	Bradley	522
SURFACE MOUNTED SANITARY NAPKIN DISPENSER	48" TO HIGHEST OPER. PART MAX.	A.J. Washroom Accessories	U510
PAPER TOWEL DISPENSER	AS REQUIRED BY ADA	Bobrick	B-43949
SOAP DISPENSER	AS REQUIRED	BY UTNG	BY UTNG
36" GRAB BAR	AS REQUIRED BY ADA	Bobrick	B-550 x 36
42" MIN. GRAB BAR	AS REQUIRED BY ADA	Bobrick	CUSTOM
2'-0" x 3'-0" MIRROR	AS REQUIRED BY ADA	Bobrick	B-165-3426
4'-0" x 3'-0" MIRROR	AS REQUIRED BY ADA	Bobrick	B-165-4836
36" MP & BROOM HOLDER	PER MANUF.	Bobrick	B-223x36
26" GRAB BAR	AS REQUIRED BY ADA	Bobrick	CUSTOM

GENERAL NOTE: THESE MOUNTING HEIGHTS SHALL BE USED FOR ACCESSIBLE ITEMS WHEN NOT INDICATED OTHERWISE.  
SEE ADA GUIDELINES, SHEETS G1003 & G1004 FOR MOUNTING HEIGHT REQUIREMENTS & GRAB BAR DIMENSIONS.



ENLARGED FLOOR PLAN



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

CAMP WILLIAMS  
BUILDING 5080

SHEET NAME:

ENLARGED  
FLOOR PLANS

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310AE401  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

AE401

SHEET OF

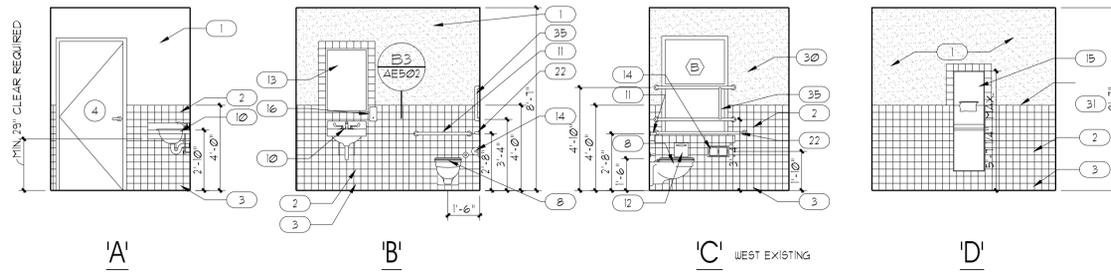
GENERAL NOTES AND LEGEND:

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE BEGINNING WORK AND SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES OR OMISSIONS BEFORE BEGINNING WORK. SEE GENERAL NOTES AND SPECIFICATIONS.
- GENERAL CONTRACTOR TO PROVIDE NEW R-38 ROOF INSULATION & ALL EXISTING AREAS. ATTACH BATT INSULATION TO UNDERSIDE OF ROOF DECK.
- GENERAL CONTRACTOR TO THOROUGHLY INSPECT ROOF STRUCTURE AFTER DEMOLITION OF CEILING AND REMOVAL OF INSULATION. GENERAL CONTRACTOR TO PATCH AND REPAIR ALL DAMAGED STRUCTURAL FRAMING MEMBERS.
- GENERAL CONTRACTOR TO REPAIR ALL DAMAGED AREAS OF WOOD BASE. GENERAL CONTRACTOR TO NAIL ALL AREAS OF MISSING WOOD BASE. NEW WOOD BASE PROFILE TO MATCH EXISTING.
- PROVIDE SOLID BLOCKING / BACKING AS REQUIRED FOR ALL WALL MOUNT ACCESSIBLE ACCESSORIES.

- KEYED NOTE. SEE KEYED ELEVATION NOTES, THIS SHEET.
- DOOR DESIGNATION. SEE AE601
- WINDOW DESIGNATION. SEE AE601



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com



INTERIOR ELEVATIONS @ WOMEN'S RESTROOM (D4) AE402  
 SCALE: 1/4" = 1'-0"

NEW KEYED NOTE LEGEND:

- 1 NEW 1/2" W.P. GYP. BD. TO BE PAINTED. COORDINATE COLOR SELECTION WITH ARCHITECT. PROVIDE WATER RESISTANT GYP. BD. AT ALL RESTROOM AREAS AND JANITOR'S CLOSET, UNO.
- 2 NEW CERAMIC WALL TILE OVER 1/8" CEMENTITIOUS BACKER BOARD.
- 3 NEW 4" COVED CERAMIC TILE BASE. SEE DETAIL B1/AE501.
- 4 NEW 5.5" CORNER GUARD CONTINUOUS AT OPENING. SEE DETAIL C2/AE501.
- 5 NEW P-LAM SURFACE COUNTER W/ 4" HIGH SOLID SURFACE BACKSPLASH.
- 6 NEW METAL TOILET PARTITION WITH FLOOR/CEILING ANCHORING. COLOR BY ARCHITECT.
- 7 NEW METAL URINAL SCREEN WITH FLOOR/CEILING ANCHORING. COLOR BY ARCHITECT.
- 8 NEW ACCESSIBLE WATER CLOSET. SEE PLUMBING DRAWINGS.
- 9 NEW URINAL. SEE PLUMBING DRAWINGS.
- 10 NEW ACCESSIBLE LAVATORY AND FAUCET. SEE PLUMBING DRAWINGS.
- 11 NEW 36" GRAB BAR. SEE DETAIL D5/AE501 AND ACCESSORY SCHEDULE.
- 12 NEW SANITARY NAPKIN DISPOSAL. SEE ACCESSORY SCHEDULE SHEET AE401.
- 13 NEW SURFACE MOUNTED MIRROR EXTEND TILE BEHIND MIRROR. SEE ACCESSORY SCHEDULE SHEET AE401.
- 14 NEW TOILET PAPER DISPENSER. SEE ACCESSORY SCHEDULE SHEET AE401.
- 15 NEW PAPER TOWEL DISPENSER / DISPOSER. SEE ACCESSORY SCHEDULE SHEET AE401.
- 16 NEW SOAP DISPENSER. SEE ACCESSORY SCHEDULE SHEET AE401.
- 17 NEW RANGE. SEE FOOD SERVICE EQUIPMENT PLAN SHEET F5101.
- 18 NEW HOOD. SEE FOOD SERVICE EQUIPMENT PLAN SHEET F5101 AND MECHANICAL DRAWINGS.
- 19 NEW OVEN. SEE FOOD SERVICE EQUIPMENT PLAN SHEET F5101.
- 20 NEW 3 COMPARTMENT SINK. SEE FOOD SERVICE EQUIPMENT PLAN SHEET F5101 & MECHANICAL DRAWINGS.
- 21 NEW STAINLESS STEEL COUNTER TOP AND SHELVING.
- 22 NEW 42" MIN GRAB BAR - SEE DETAIL D5/AE501 AND ACCESSORY SCHEDULE.
- 23 EXISTING WOOD BASE, PAINT.
- 24 NEW HOT FOOD COUNTER. SEE F5101 AND MECHANICAL DRAWINGS.
- 25 STAINLESS STEEL WALL PROTECTION FINISH TO BASE.
- 26 NEW FRP PANELS UP 4'-0" AFF. ON NEW WOOD FRAMED WALLS.
- 27 WALL MOUNTED MOP RACK. SEE PLAN AND ACCESSORY SCHEDULE.
- 28 NEW MOP SINK. SEE PLUMBING DRAWINGS.
- 29 NEW RUBBER BASE. SEE FINISH SCHEDULE.
- 30 EXISTING WALL TO BE EPOXY PAINTED - SEE FINISH SCHEDULE.
- 31 BULLNOSE EDGE, TYP. SEE DETAIL B3/AE501.
- 32 METAL CORNER TRIM, TYP.
- 33 METAL EDGE TRIM, TYP.
- 34 ALIGN FACE OF STAINLESS STEEL PANEL WITH FACE OF CORNER GUARDS.
- 35 NEW 26" VERTICAL GRAB BAR MOUNTED TO HORIZONTAL GRAB BARS.

PROJECT DESCRIPTION

State of Utah  
 Department of Administrative Services

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

Internet: <http://www.dfc.m.utah.gov>

CAMP WILLIAMS  
 BUILDING 5080

SHEET NAME:

INTERIOR ELEVATIONS

REVISIONS

MARK	DATE	DESCRIPTION

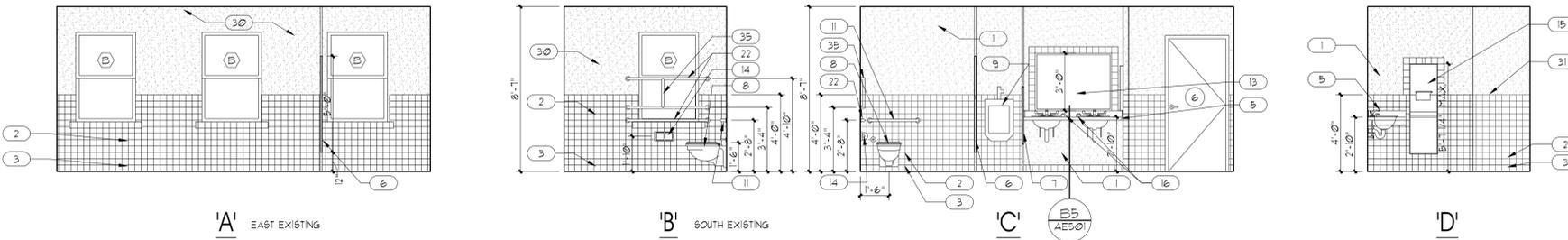
ISSUE DATA

ISSUE DATE: APRIL 2009  
 ISSUE TYPE: CD  
 DRAWN BY: S.BAUGH  
 CHECKED BY: K.RIGBY  
 CAD FILE NAME: 0310AE402  
 DFCM PROJECT # 07332480  
 CONTRACT # 087184  
 COPYRIGHT: DFCM

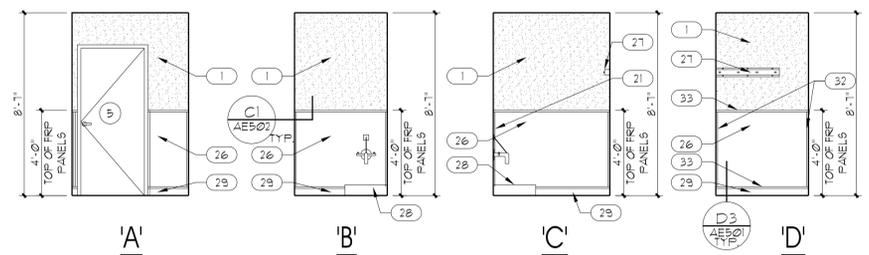
SHEET NUMBER:

AE402

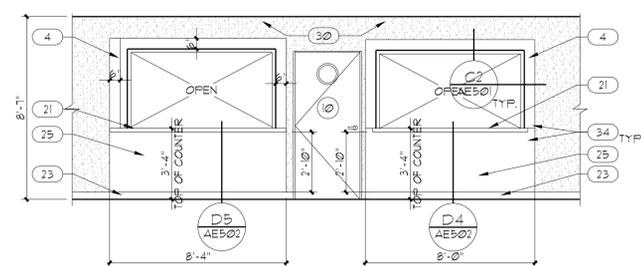
SHEET OF



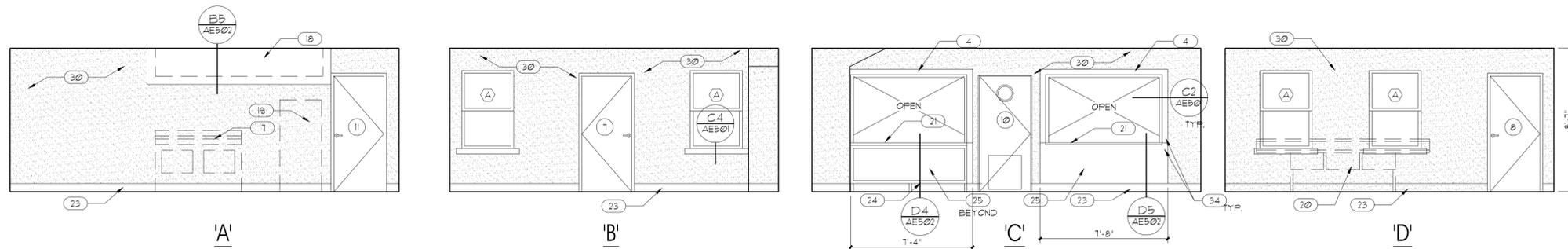
INTERIOR ELEVATIONS @ MEN'S RESTROOM (C4) AE402  
 SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION @ JANITOR'S CLOSET (B2) AE402  
 SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION @ DINING ROOM (B4) AE402  
 SCALE: 1/4" = 1'-0"



INTERIOR ELEVATIONS @ KITCHEN (A4) AE402  
 SCALE: 1/4" = 1'-0"



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcum.utah.gov>

CAMP WILLIAMS  
BUILDING 5080

SHEET NAME:

DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

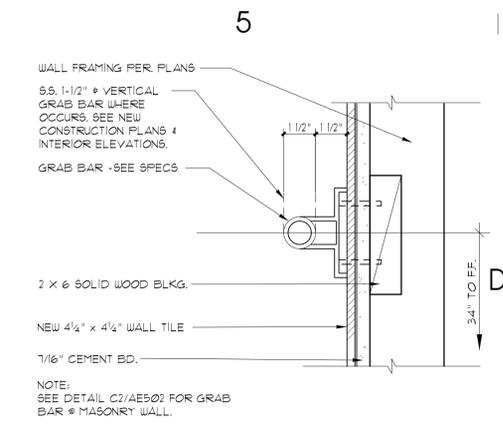
ISSUE DATA

ISSUE DATE: APRIL 2009  
 ISSUE TYPE: CD  
 DRAWN BY: S.BAUGH  
 CHECKED BY: K.RIGBY  
 CAD FILE NAME: 0310AE501  
 DFCM PROJECT # 07332480  
 CONTRACT # 087184  
 COPYRIGHT: DFCM

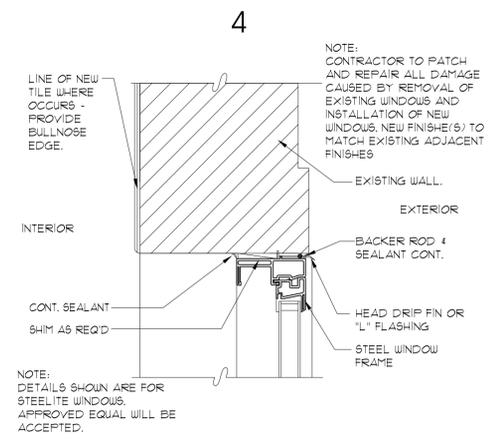
SHEET NUMBER:

AE501

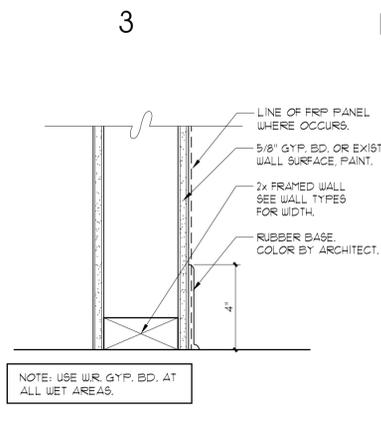
SHEET OF



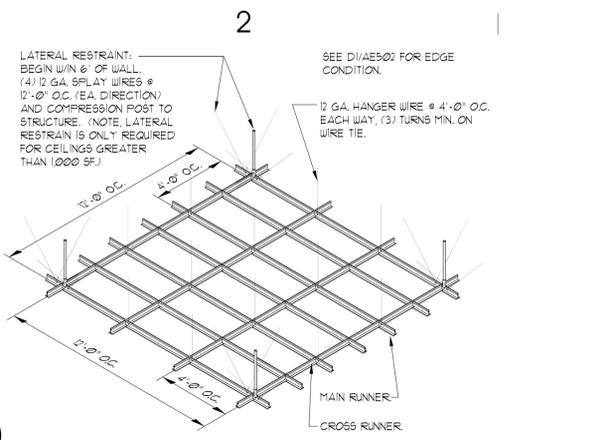
5 GRAB BAR  
SCALE: 3" = 1'-0" AE501



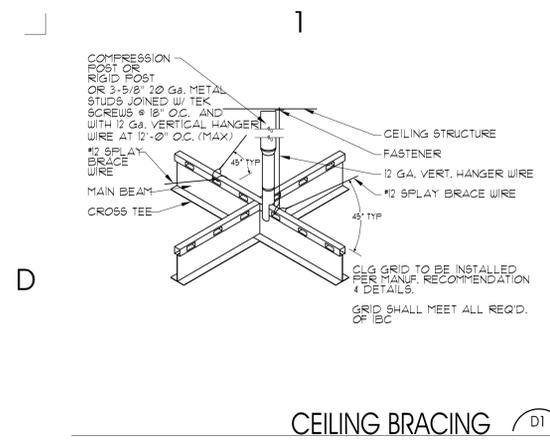
4 WINDOW HEAD (JAMB SIM.) DETAIL  
SCALE: 3" = 1'-0" AE501



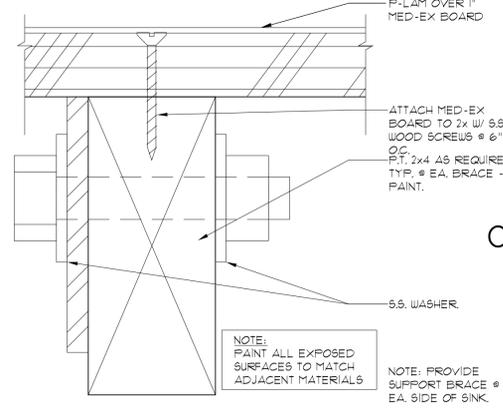
3 RUBBER BASE DETAIL  
SCALE: 3" = 1'-0" AE501



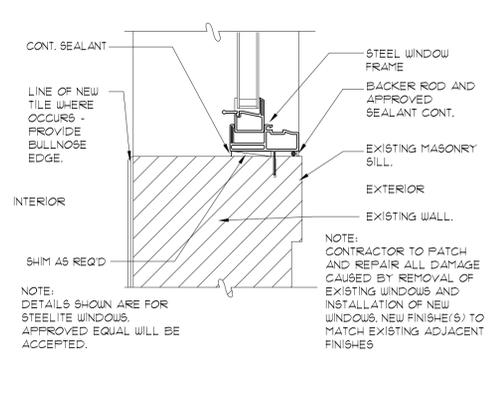
2 CEILING GRID  
SCALE: 3" = 1'-0" AE501



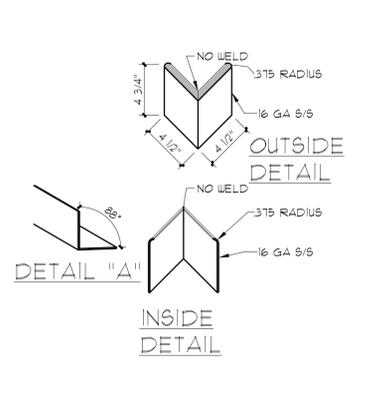
1 CEILING BRACING  
SCALE: 3" = 1'-0" AE501



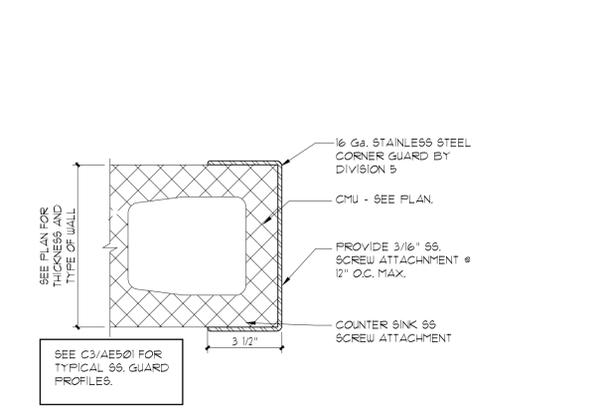
C5 SUPPORT BRACE  
SCALE: 12" = 1'-0" AE501



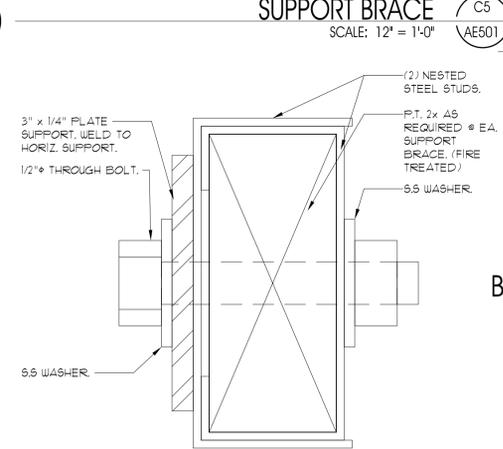
C4 WINDOW SILL DETAIL  
SCALE: 3" = 1'-0" AE501



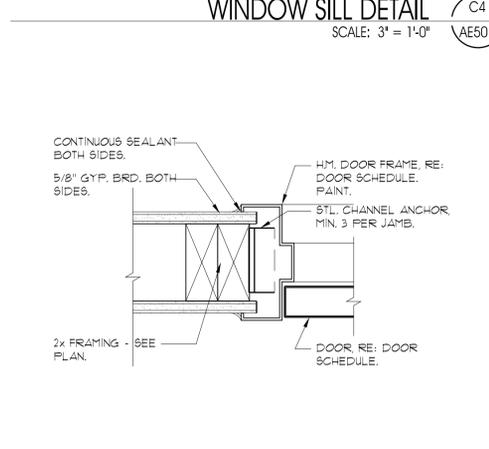
C3 CORNER GUARD  
SCALE: 1-1/2" = 1'-0" AE501



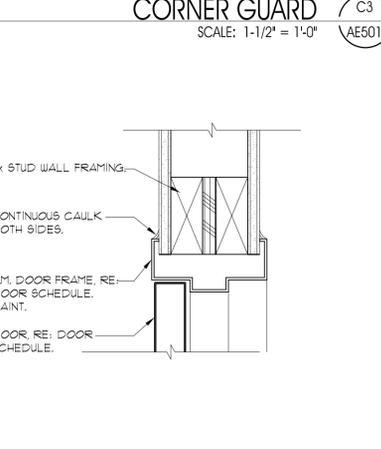
C2 CORNER GUARD  
SCALE: 3" = 1'-0" AE501



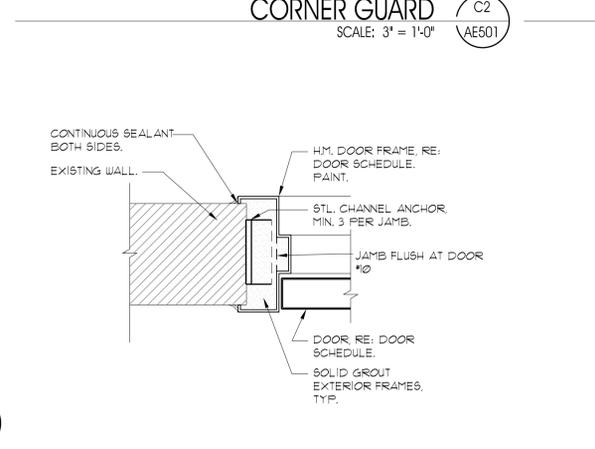
B5 SUPPORT BRACE  
SCALE: 12" = 1'-0" AE501



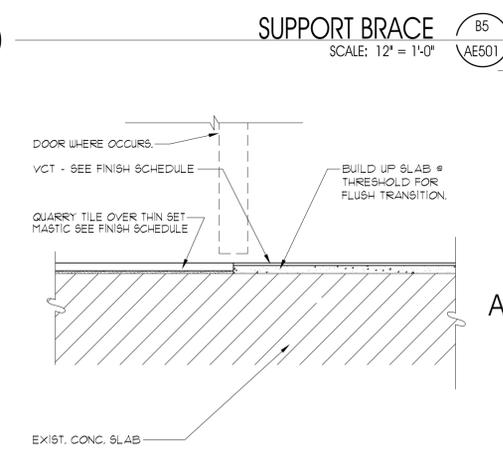
B4 DOOR JAMB  
SCALE: 3" = 1'-0" AE501



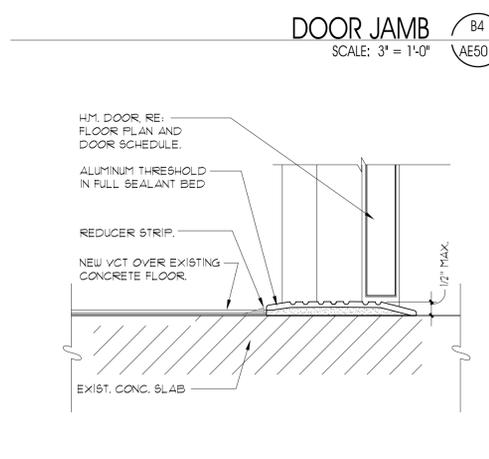
B3 HEAD JAMB  
SCALE: 3" = 1'-0" AE501



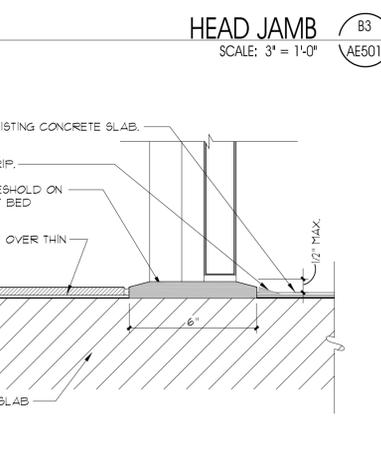
B2 DOOR JAMB @ EXISTING WALL  
SCALE: 3" = 1'-0" AE501



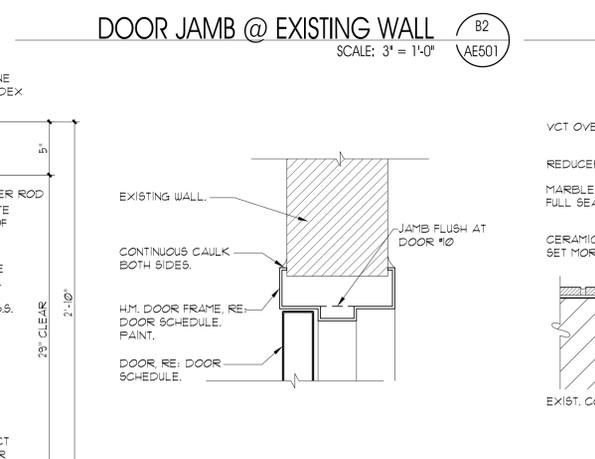
A5 FLOOR TRANSITION  
SCALE: 3" = 1'-0" AE501



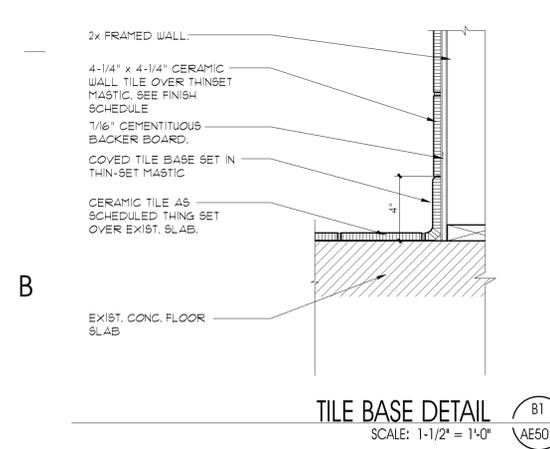
A4 ALUM. THRESHOLD  
SCALE: 3" = 1'-0" AE501



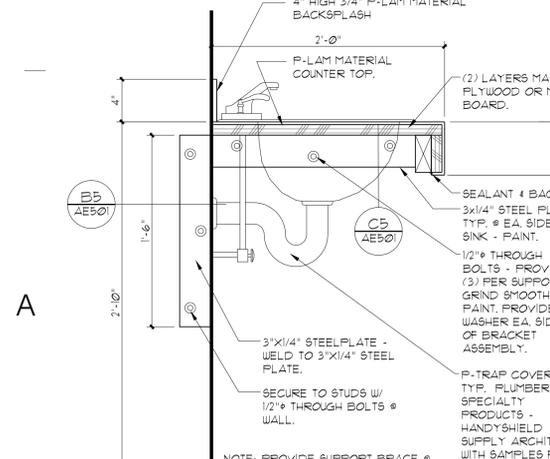
A3 MARBLE THRESHOLD  
SCALE: 3" = 1'-0" AE501



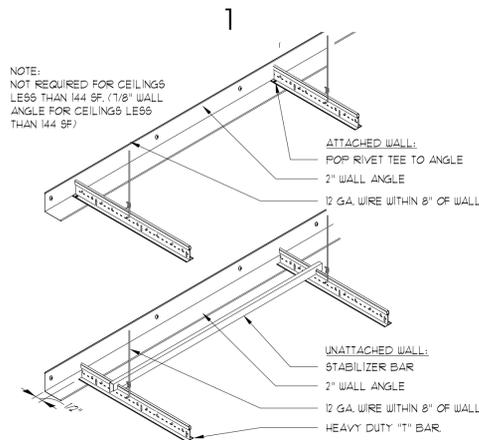
A2 DOOR HEAD @ EXISTING WALL  
SCALE: 3" = 1'-0" AE501



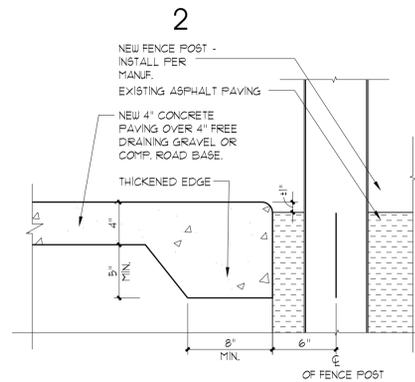
B1 TILE BASE DETAIL  
SCALE: 1-1/2" = 1'-0" AE501



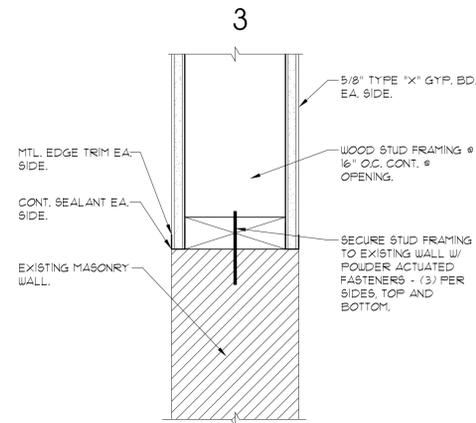
A1 SUPPORT BRACE DETAIL  
SCALE: 1-1/2" = 1'-0" AE501



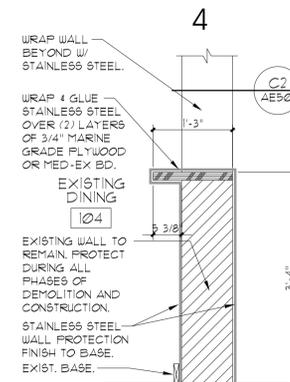
DETAIL AT CEILING GRID (D1) AE502  
SCALE: 1 1/2" = 1'-0"



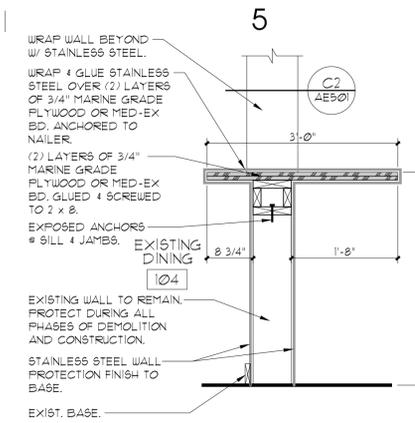
DETAIL @ CONCRETE SLAB TO GRADE (D2) AE502  
SCALE: 1 1/2" = 1'-0"



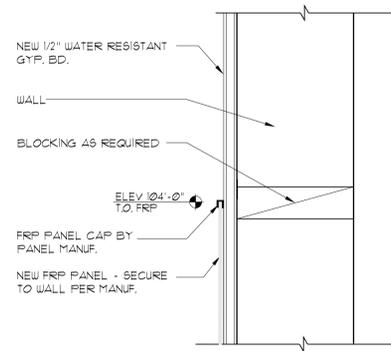
DETAIL @ WALL INFILL (D3) AE502  
SCALE: 3" = 1'-0"



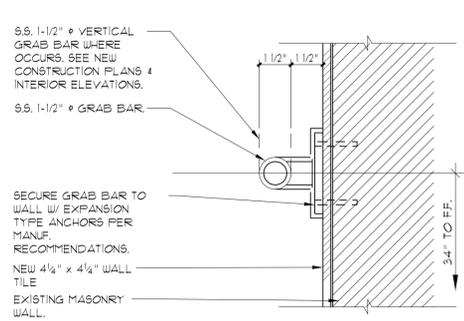
MILLWORK SECTION (D4) AE502  
SCALE: 3/4" = 1'-0"



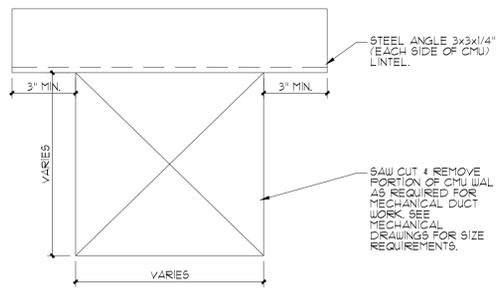
MILLWORK SECTION (D5) AE502  
SCALE: 3/4" = 1'-0"



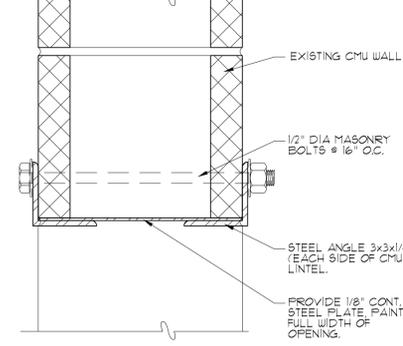
FRP PANEL DETAIL (C1) AE502  
SCALE: 1 1/2" = 1'-0"



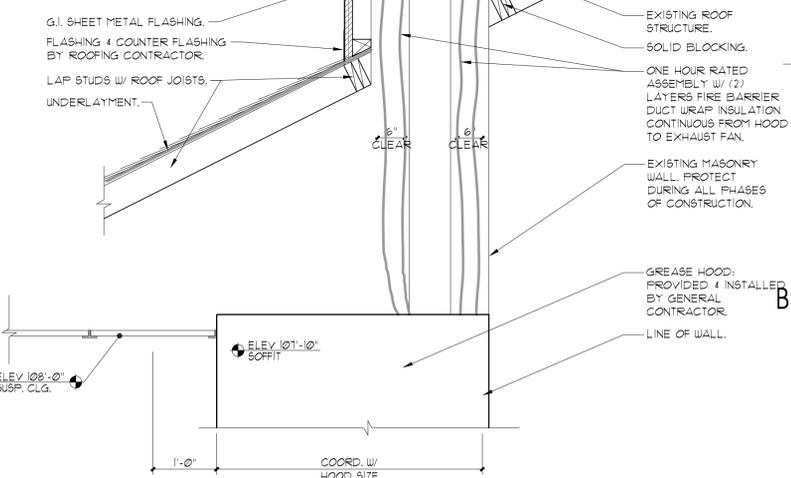
42" GRAB BAR DETAIL (C2) AE502  
SCALE: 3" = 1'-0"



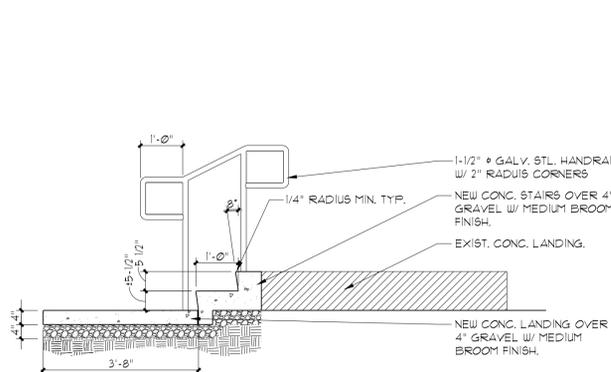
ELEVATION - NEW MASONRY OPENING (C3) AE502  
SCALE: 3" = 1'-0"



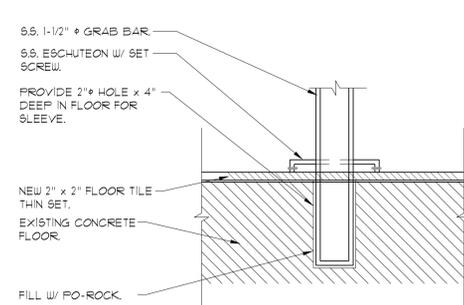
CMU HEADER DETAIL (C4) AE502  
SCALE: 3" = 1'-0"



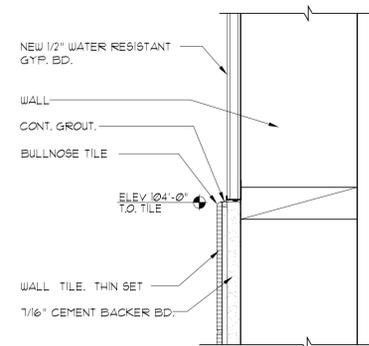
GREASE EXHAUST FAN DETAIL (B5) AE502  
SCALE: 3/4" = 1'-0"



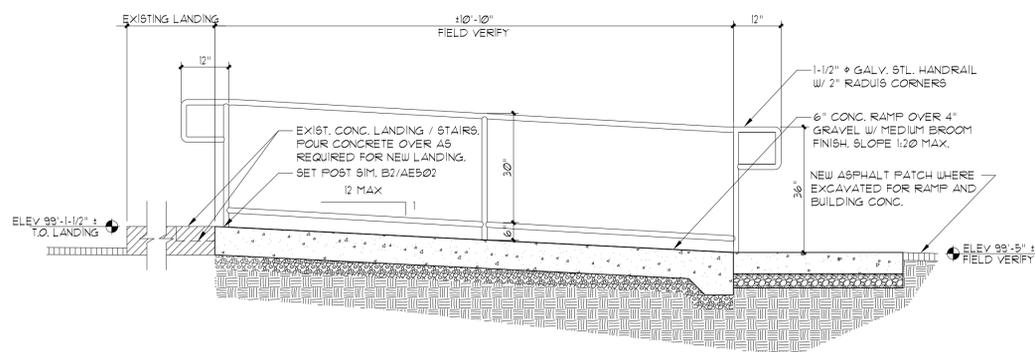
NEW STAIR DETAIL (B1) AE502  
SCALE: 1/2" = 1'-0"



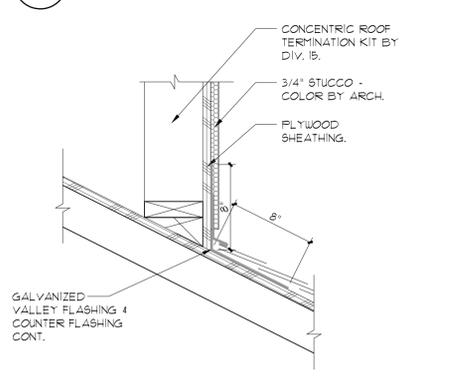
42" GRAB BAR DETAIL (B2) AE502  
SCALE: 3" = 1'-0"



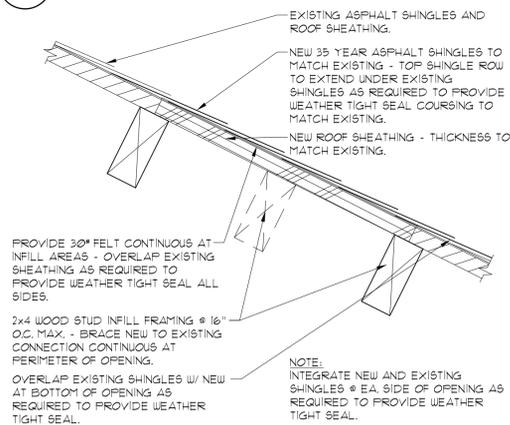
TILE BULLNOSE DETAIL (B3) AE502  
SCALE: 3" = 1'-0"



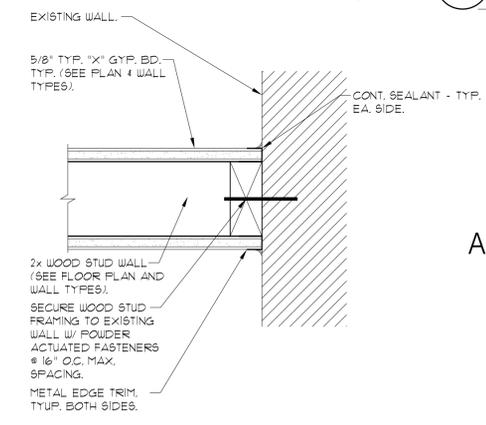
NEW ACCESSIBLE RAMP DETAIL (A2) AE502  
SCALE: 1/2" = 1'-0"



CURB DETAIL @ PENTHOUSE (A3) AE502  
SCALE: 1-1/2" = 1'-0"



DETAIL @ ROOF INFILL (A4) AE502  
SCALE: 3" = 1'-0"



NEW WALL TO EXISTING DETAIL (A5) AE502  
SCALE: 3" = 1'-0"

ARCHITECT PROJECT # 0915

ajc architects

703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

CAMP WILLIAMS  
BUILDING 5080

SHEET NAME:

DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310AE502  
DFCM PROJECT #: 07332480  
CONTRACT #: 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

AE502

SHEET OF

**ROOM FINISH SCHEDULE**

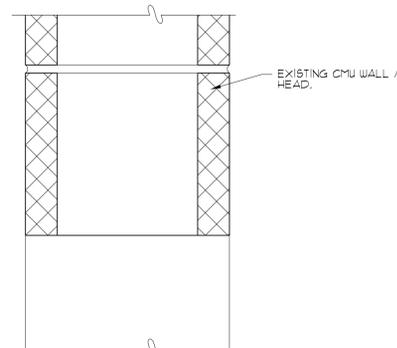
RM NO.	ROOM NAME	BASE		FLOORING		WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING									
		EXISTING PAINT P-5	CUT-BI	RUBBER BASE	WOOD BASE	QUARRY TILE	CERAMIC FLOOR TILE	VCT	SEALED CONC.	CERAMIC WALL TILE	GYP. BD. PAINT-FI	GYP. BD. PAINT-F2	CERAMIC WALL TILE	GYP. BD. PAINT-FI	GYP. BD. PAINT-F2	ACOUSTICAL TILE STILE-A11	ACOUSTICAL TILE STILE-A12	TR. SAVED	GYP. BD. CELL.
<b>MAIN LEVEL</b>																			
101	EXISTING STORAGE	●																	
102	EXISTING STORAGE	●																	
103	EXISTING KITCHEN	●																	
104	EXISTING DINING	●																	
105	MEN'S RESTROOM		●																
106	JANITOR'S CLOSET	●																	
107	WOMEN'S RESTROOM		●																
108	MECHANICAL																		
109	TELECOMM																		

**INTERIOR FINISH LEGEND**

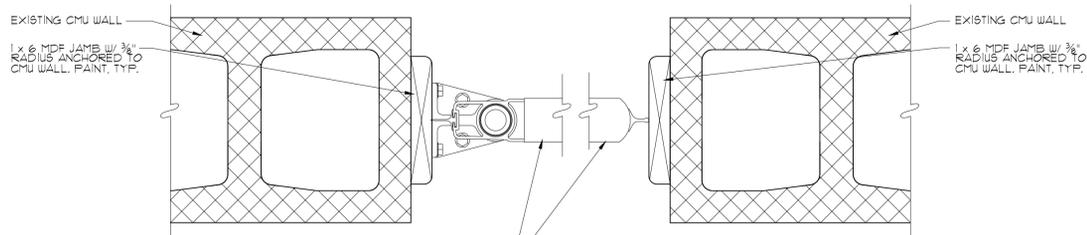
SYMBOL	FINISH	NOTE
<b>FLOOR</b>		
QT	QUARRY TILE -2, (6"x6")	ONE COLOR
CFT	CERAMIC FLOOR TILE -1, (2"x2")	CERAMIC FLOOR TILE DAL TILE BROWNSTONE RANGE D156
VCT	VINYL COMPOSITION TILE	12 X 12 4/A22, 5/A22, 12/A22
EC	EXPOSED CONCRETE, SEALED	SEE SPEC.
<b>BASE</b>		
EX	EXISTING, PROTECT	PAINT P-5 AS SELECTED BY ARCHITECT
CTB	CERAMIC TILE BASE -1, (4"x4") W/ SANITARY COVE	COLOR BY ARCHITECT
RB	RUBBER BASE	COLOR BY ARCHITECT
WB	WOOD BASE - PROFILE TO MATCH EXISTING PLASTER BASE	COLOR BY ARCHITECT
<b>WALLS</b>		
CTW	CERAMIC WALL TILE -1, (4"x4") TILE WAINSCOT TO BE 4'-0" AFF. WITH GP-1 EPOXY PAINT ABOVE TILE.	CERAMIC WALL TILE DAL TILE FAWN #0136
GP1	GYP. BOARD, PAINTED -P1	COLOR A UNDERSCORE SYMBOL INDICATES EPOXY PAINT.
GP2	GYP. BOARD, PAINTED -P2 EPOXY PAINT ACOUSTICAL WALL PANELS	COLOR B UNDERSCORE SYMBOL INDICATES EPOXY PAINT.
<b>CEILING</b>		
AT1	ACOUSTICAL TILE-1, LAY-IN, (2"x4")	WHITE GRID
AT2	ACOUSTICAL TILE-2, LAY-IN, (2"x4")	WHITE GRID VINYL SURFACE
<b>OTHER</b>		
P1	INTERIOR LATEX PAINT	SEE SPEC. COLOR BY ARCHITECT
P2	INTERIOR EPOXY PAINT	SEE SPEC. COLOR BY ARCHITECT
P3	EXTERIOR LATEX PAINT AT ALL WALLS AND FOUNDATIONS	SEE SPEC. COLOR TO MATCH EXISTING
P4	EXTERIOR LATEX PAINT FOR BUILDING NUMBERS	SEE SPEC. COLOR TO MATCH EXISTING
P5	INTERIOR LATEX PAINT FOR WOOD TRIM INTERIOR OF EXTERIOR DOORS AND FRAMES INTERIOR DOORS AND FRAMES	SEE SPEC. COLOR BY ARCHITECT
P6	EXTERIOR LATEX PAINT FOR EXTERIOR DOORS AND FRAMES	SEE SPEC. COLOR BY ARCHITECT

**ROOM FINISH NOTES:**

- PROVIDE FRP PANELS TO HEIGHT OF 4'-0" AFF. AT WET WALLS AND AS SHOWN ON INTERIOR ELEVATIONS.
- CERAMIC WALL TILE (CTW) SHALL BE TO 4'-0" AFF. PAINT WALL FROM TOP OF TILE TO CEILING W/ EPOXY PAINT TYPE P-2.
- GYP. BOARD TO BE WATER RESISTANT ABOVE CERAMIC TILE.
- ALL RESTROOMS TO RECEIVE EPOXY PAINT.
- ALL COLORS TO BE SELECTED BY ARCHITECT.
- ALL FLOOR TILE TO BE SLIP RESISTANT.



**DOOR HEAD DETAIL**  
SCALE: 3" = 1'-0"  
B2  
AE601



**DOOR JAMB DETAIL**  
SCALE: 3" = 1'-0"  
A2  
AE601

**HARDWARE SCHEDULE**

QTY	ITEM	MODEL	FINISH	MANUFACTURER
<b>GROUP 1</b>				
15 PAIR	BUTTS	BB5006 4.5 x 4.5	26D	BOMMER
1 EA.	EXIT	98L x 1C BEST CYL	26D	VON DUPRIN
1 EA.	CLOSER	P4041 SPRING CUSH	-	LCN
1 EA.	KICK PLATE	10" x 2" LDW	32D	QUALITY
1 EA.	THRESHOLD	425	-	NG
1 EA.	WEATHER-STRIP	160	-	NG
1 EA.	SWEEP	200	-	NG
<b>GROUP 2</b>				
15 PAIR	BUTTS	BB5002 4.5 x 4.5	26D	BOMMER
1 EA.	LOCK SET	93K1 X 1C BEST CYL	626	BEST
1 EA.	CLOSER	P4041 SPRING CUSH	-	LCN
1 EA.	KICK PLATE	10" x 2" LDW	32D	QUALITY
1 EA.	THRESHOLD	425	-	NG
1 EA.	WEATHER-STRIP	160	-	NG
1 EA.	SWEEP	200	-	NG
<b>GROUP 3</b>				
15 PAIR	BUTTS	BB5000 4.5 x 4.5	26D	QUALITY
1 EA.	LOCK SET	93K1 AB 15C	626	BEST
1 EA.	STOP	302	26D	QUALITY
<b>GROUP 4</b>				
15 PAIR	BUTTS	BB5001 4.5 x 4.5	26D	QUALITY
1 EA.	LOCK SET	93K1 D 15C	26D	BEST
2 EA.	FLUSH BOLT	1358 12"	26D	QUALITY
2 EA.	CLOSER	P4041 EDA H	-	LNC
2 EA.	STOP	301	26D	QUALITY
1 EA.	THRESHOLD	425	-	NG
1 EA.	WEATHERSTRIP	160	-	NG
1 EA.	SWEEP	200	-	NG
<b>GROUP 5</b>				
15 PAIR	BUTTS	BB5000 4.5 x 4.5	26D	BOMMER
1 EA.	FLUSH	40 3.5 x 1.5	26D	QUALITY
1 EA.	PULL	15100 3.5 x 1.5	26D	QUALITY
1 EA.	CLOSER	4041	-	LCN
1 EA.	KICK PLATE	10" x 2" LDW	32D	QUALITY
1 EA.	SWEEP	301	26D	QUALITY
<b>GROUP 6</b>				
15 PAIR	BUTTS	BB5000 4.5 x 4.5	26D	BOMMER
1 EA.	PRIVACY	93K0 L 15C	26D	BEST
1 EA.	CLOSER	4041	-	LNC
1 EA.	KICK PLATE	10" x 2" LDW	32D	QUALITY
1 EA.	STOP	302	26D	QUALITY
<b>GROUP 7</b>				
15 PAIR	BUTTS	BB5000 4.5 x 4.5	26D	BOMMER
1 EA.	LOCK SET	93K1 D 15C	26D	BEST
1 EA.	CLOSER	P4041 EDA	-	LCN
1 EA.	STOP	301	26D	QUALITY
1 EA.	SMOKE SEAL	2525	-	NG
<b>GROUP 8</b>				
3 PAIR	SPRING HINGE	3029-6	26D	BOMMER
2 EA.	FLUSH	40 3.5 x 1.5	26D	QUALITY
2 EA.	ARMOR PLATE	40" x 2" LDW	32D	QUALITY
2 EA.	STOP	331 ED	26D	QUALITY
<b>GROUP 9</b>				
ALL HARDWARE FOR DOOR #10 TO BE PROVIDED BY MANUFACTURER				

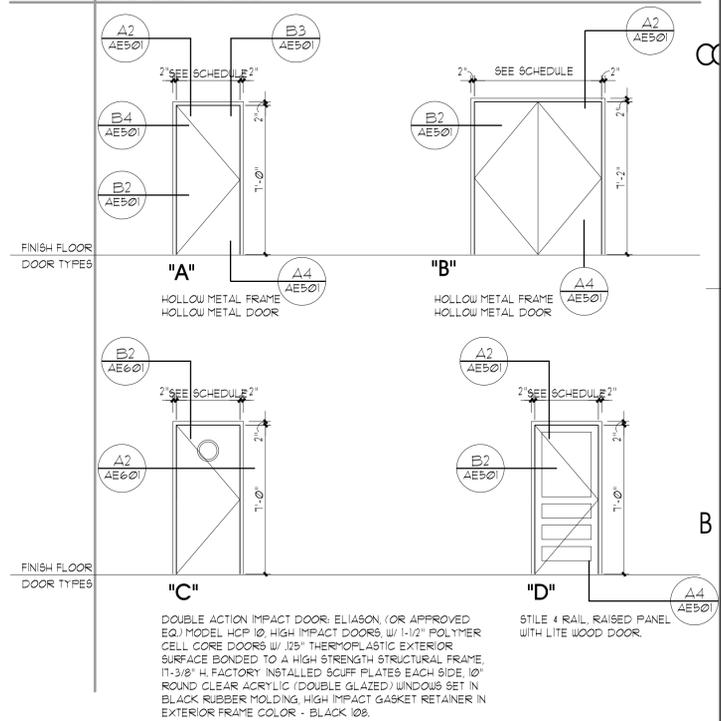
**DOOR SCHEDULE**

DOOR NO.	DOOR SIZE	FIRE RATING (MIN)	DOOR		FRAME		SEE DOOR TYPES FOR TYPICAL DETAILS. SEE BELOW FOR NON-TYP. DETAILS			DOOR NOTES			
			TYPE	MATERIAL	FINISH	MATERIAL	FINISH	HEAD	JAMB		THRESHOLD	HARDWARE	
<b>MAIN LEVEL</b>													
1	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	1	1	3
2	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	1	1	3
3	3'-0" x 1'-0"	45	A	HM	PT.	HM	PT	B3/AE501	B4/AE501	-	1		
4	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	B3/AE501	B4/AE501	-	6		
5	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	B3/AE501	B4/AE501	-	5		
6	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	B3/AE501	B4/AE501	-	5		
7	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	2	1	3
8	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	2	1	3
9	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	1	1	3
10	3'-0" x 1'-0"	-	C	-	-	-	-	D3/AE503	D4/AE503	-	9	1	2
11	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	3	1	
12	(2) 2'-6" x 1'-2"	-	B	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	4	1	3
13	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	A2/AE501	B2/AE501	-	3	1	
14	3'-0" x 1'-0"	-	A	HM	PT.	HM	PT	B3/AE501	B4/AE501	-	3		

**DOOR SCHEDULE NOTES & ABBREVIATIONS:**

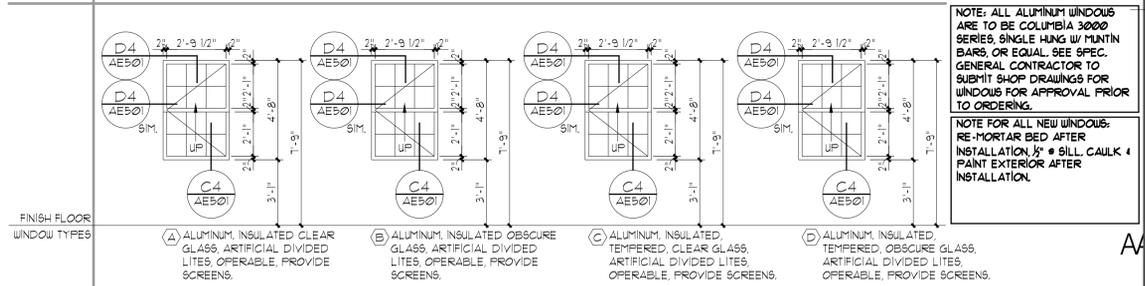
- FIELD VERIFY OPENING PRIOR TO ORDERING DOOR
  - FACTORY FINISH. COLOR BY ARCHITECT.
  - INSULATED
- HM HOLLOW METAL  
PT PAINT  
FA FACTORY FINISH

**DOOR TYPES**



DOUBLE ACTION IMPACT DOOR: ELIASON, (OR APPROVED EQ) MODEL HCP 10; HIGH IMPACT DOORS W/ 1-1/2" POLYMER CELL CORE DOORS W/ 3/8" THERMOPLASTIC EXTERIOR SURFACE BONDED TO A HIGH STRENGTH STRUCTURAL FRAME, 11-3/8" H FACTORY INSTALLED SCUFF PLATES EACH SIDE, 10" ROUND CLEAR ACRYLIC (DOUBLE GLAZED) WINDOWS SET IN BLACK RUBBER MOLDING, HIGH IMPACT GASKET RETAINER IN EXTERIOR FRAME COLOR - BLACK 108.

**WINDOW TYPES**



NOTE: ALL ALUMINUM WINDOWS ARE TO BE COLUMBIA 3000 SERIES, SINGLE HUNG W/ MUNTIN BARS OR EQUAL. SEE SPEC. GENERAL CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR WINDOWS FOR APPROVAL PRIOR TO ORDERING.  
NOTE FOR ALL NEW WINDOWS: RE-MORTAR BED AFTER INSTALLATION, 1/2" # 8 ILL. CAULK & PAINT EXTERIOR AFTER INSTALLATION.

**WINDOW TYPE NOTES / LEGEND:**

- A ALL GLASS WITHIN 24" OF ANY DOOR SHALL BE TEMPERED
- B ALL GLASS WITHIN 18" OF FINISH FLOOR SHALL BE TEMPERED
- C ALL HOLLOW METAL WINDOW FRAMES SHALL BE GALVANIZED AND PAINTED COLOR TO BE SELECTED BY ARCHITECT
- D ALL HOLLOW METAL DOOR FRAMES & DOORS SHALL BE FACTORY PRIMED

△ INDICATES TEMPERED GLAZING  
▽ INDICATES DIRECTION OF SWING (POINT INDICATES HINGE LOCATION)



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

**PROJECT DESCRIPTION**

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcum.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

**SHEET NAME:**

**DOOR, WINDOW,  
& FINISH SCHEDULES**

**REVISIONS**

MARK	DATE	DESCRIPTION

**ISSUE DATA**

ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310AE601  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

**SHEET NUMBER:**

**AE601**

SHEET OF

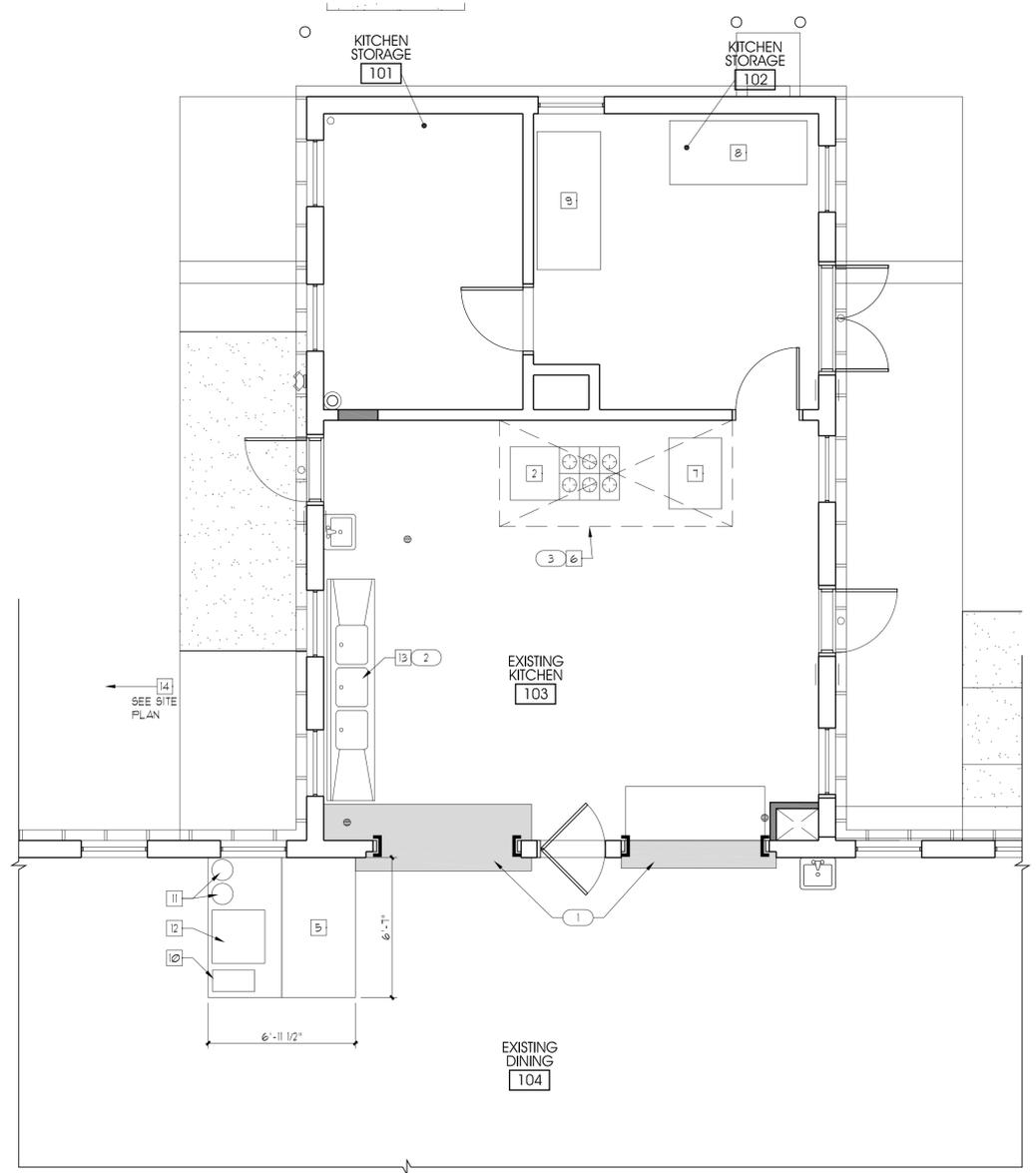
FOOD SERVICE SCHEDULE							
EQUIPMENT NAME	MANUFACTURER MODEL NUMBER	SIZE	LOCATION	ELECTRICAL REQUIREMENTS	PLUMBING REQUIREMENTS	GAS LINE	REMARKS
1	BOOSTER HEATER	-	-	SINK	-	-	-
2	RANGE GRILLE	GARLAND	62" W x 30" D x 44" H	PER PLAN	-	3/4"	
3	SNEEZE GUARDS	-	-	PER PLAN	-	-	
4	HOT FOOD COUNTER	EAGLE SUTS 240	78" W x 30" D x 35" H	PER PLAN	240V	-	
5	COLD FOOD COUNTER	BAYONNE	33 1/2" W x 73" D x 37 1/2" H	PER PLAN	110V	1/2" CW 3/4" DRAIN	
6	S.S. OVEN / RANGE HOOD	CAPTIVE AIRE 602-4ND-2-158P-F II	11' L x 60" D x 24" H	PER PLAN	-	-	(2)
7	CONVECTION OVEN	WOLF	50" W x 30" D x 66" H	PER PLAN	6.2 AMP@ 110V	-	1"
8	REFRIGERATOR	TRUE	78" W x 36" D x 82" H	PER PLAN	220V	-	
9	FREEZER	TRUE	78" W x 36" D x 82" H	PER PLAN	110V	-	
10	BREAD DISPENSER	-	-	PER PLAN	110V	-	
11	COFFEE POTS	-	-	PER PLAN	110V	-	
12	BEVERAGE DISPENSER	-	-	PER PLAN	110V	-	
13	3 COMPARTMENT STAINLESS STEEL SINK	-	-	PER PLAN	-	-	
14	GREASE TRAP	-	-	-	-	-	(2)

**REMARKS**

(1) NEW CONVECTION OVEN TO BE COMPLETE WITH EXHAUST CANOPY DUCTED TO ROOF MOUNTED EXHAUST FAN. DUCT TO BE INSTALLED BY G.C. (2) TO BE PROVIDED AND INSTALLED BY G.C. (3) G.C. TO VERIFY HEIGHT REQUIRED TO FIT GARBAGE DISPOSER UNDER (3) COMPARTMENT SINK AND PROVIDED LEG HEIGHT EXTENSION AS / IF REQUIRED BY SINK ASSEMBLY.

16 GA. STAINLESS STEEL PLUMBING CONTRACTOR TO FURNISH 1" GAS SUPPLY LINE TO OVENS WITH 3/4" GAS VALVES. CONTRACTOR TO FURNISH AND INSTALL OVEN EXHAUST HOOD OVER OVENS.

ALL OF THIS EQUIPMENT IS PROVIDED & INSTALLED BY UTAH NATIONAL GUARD. U.N.O.



**GENERAL NOTES AND LEGEND:**

- SEE SHEET G1002 FOR GENERAL NOTES.
- SEE COVER SHEET FOR DRAWING INDEX.
- DO NOT SCALE DRAWINGS.
- ALL EQUIPMENT WILL BE PURCHASED AND INSTALLED BY UTAH NATIONAL GUARD, U.N.O. GENERAL CONTRACTOR TO PROVIDE ROUGH-IN ONLY & EXHAUST WORK & HOODS.

**NEW KEYED NOTE LEGEND:**

- (1) MILLWORK BY CONTRACTOR.
- (2) STAINLESS STEEL (3) COMPARTMENT SINK TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.
- (3) EXHAUST HOOD TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR. SEE MECHANICAL DRAWINGS.

ARCHITECT PROJECT # 0915



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

**PROJECT DESCRIPTION**

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

**SHEET NAME:**

**FOOD SERVICE PLAN**

**REVISIONS**

MARK	DATE	DESCRIPTION
------	------	-------------

**ISSUE DATA**

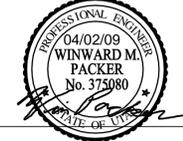
ISSUE DATE: APRIL 2009  
ISSUE TYPE: CD  
DRAWN BY: S.BAUGH  
CHECKED BY: K.RIGBY  
CAD FILE NAME: 0310FS101  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

**SHEET NUMBER:**

**FS101**  
SHEET OF



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**PLUMBING  
GENERAL NOTES AND  
LEGEND**

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATA  
ISSUE DATE: APRIL 2009  
ISSUE TYPE:  
DRAWN BY: STAFF  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

**PG-001**

SHEET OF

LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	—————	WALL CLEANOUT	WCO
HOT WATER RECIRC LINE	— · — · — · — ·	CLEANOUT	CO
COLD WATER LINE	—————	CLEANOUT TO GRADE	COTG
VENT LINE	— · — · — · — ·	FLOOR CLEANOUT	FCO
WASTE LINE	—————	BALL VALVE	
VENT THRU ROOF	VTR	UNION	

GENERAL LEGEND		
NOT ALL SYMBOLS LISTED BELOW ARE USED ON THIS SET OF PLUMBING DRAWINGS		
SYMBOL	ABR.	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	AP	ACCESS PANEL
	CI	CAST IRON
	CL	CENTER LINE ELEVATION
	CC	CONTROL CONTRACTOR
	EC	ELECTRICAL CONTRACTOR
	FPC	FIRE PROTECTION CONTRACTOR
	GC	GENERAL CONTRACTOR
INV. ELEV.		INVERT ELEVATION
	MC	MECHANICAL CONTRACTOR
	NIC	NOT IN CONTRACT
	NTS	NOT TO SCALE
	VCP	VITRIFIED CLAY PIPE
		PLUMBING FIXTURE AND/OR EQUIPMENT DESIGNATION (TYPICAL)

- PLUMBING GENERAL NOTES:**
- G-1 ALL PLUMBING SHALL BE INSTALLED AND CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL PLUMBING CODE (IPC) WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
  - G-2 ALL PIPING MATERIALS SHALL MEET ALL REQUIREMENTS OF IPC AND LOCAL AUTHORITY. PLASTIC PIPING SHALL BE ALLOWED ONLY WHERE ALLOWED BY CODE. PLASTIC PIPING SHALL NOT BE ROUTED THROUGH RETURN AIR PLENUMS OR OTHER AREAS PROHIBITED BY THE IMC, IPC OR NFPA CODES OR BY LOCAL AUTHORITY
  - G-3 GAS PIPING INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH GAS COMPANY REGULATIONS, NFPA CODE REQUIREMENTS, AND LOCAL AUTHORITY.
  - G-4 ALL MATERIALS SHALL BE NEW AND SHALL BE DOMESTIC MADE UNLESS SPECIFICALLY APPROVED OTHERWISE IN WRITING BY ARCHITECT OR OWNER.
  - G-5 PROVIDE VACUUM BREAKERS AND BACK FLOW PREVENTERS WHERE REQUIRED BY CODE OR WHERE THERE MAY BE ANY POSSIBLE CHANCE FOR CROSS CONTAMINATION. PREVENTERS SHALL BE INSTALLED IN ACCORDANCE WITH UTAH CODE.
  - G-6 ALL PLUMBING INFORMATION IS NOT LIMITED TO THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING ARCHITECTURAL DRAWING, STRUCTURAL DRAWINGS, MECHANICAL DRAWINGS, AND ELECTRICAL DRAWINGS.
  - G-7 THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWING, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
  - G-8 COORDINATE ALL PIPING AND PLUMBING EQUIPMENT WITH ALL OTHER TRADES AND/OR CONTRACTORS PRIOR TO INSTALLATION.
  - G-9 ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR AND ARCHITECT/ENGINEER SHALL BE NOTIFIED IN WRITING PRIOR TO CHANGES.
  - G-10 GAS LINE FITTINGS SHALL BE STANDARD WELD FITTINGS WITH TAPERED REDUCERS. DO NOT USE VALVES, UNIONS, OR AUTO CONTROLS IN GAS LINES ROUTED IN INACCESSIBLE CONCEALED SPACES.
  - G-11 ALL WATER SYSTEMS SHALL MEET THE REQUIREMENTS OF ANSI/NSF STANDARD 61 SECTION 9 (1998), CONCERNING METAL CONTAMINANTS IN THE WATER SYSTEM.
  - G-12 WATER PIPING SHALL NOT BE ROUTED IN OUTSIDE WALLS OR ON EXTERIOR SIDE OF BUILDING INSULATION ENVELOPE.
  - G-13 WATER HAMMER ARRESTORS SHALL BE INSTALLED IN ALL WATER LINES WITH QUICK OPEN OR QUICK CLOSE VALVES.
- WATER HAMMER ARRESTOR SCHEDULE:**  
 TYPE A 1-11 FIXTURE UNITS  
 TYPE B 12-32 FIXTURE UNITS  
 TYPE C 33-60 FIXTURE UNITS  
 TYPE D 61-113 FIXTURE UNITS

D

C

B

A

1

2

3

4

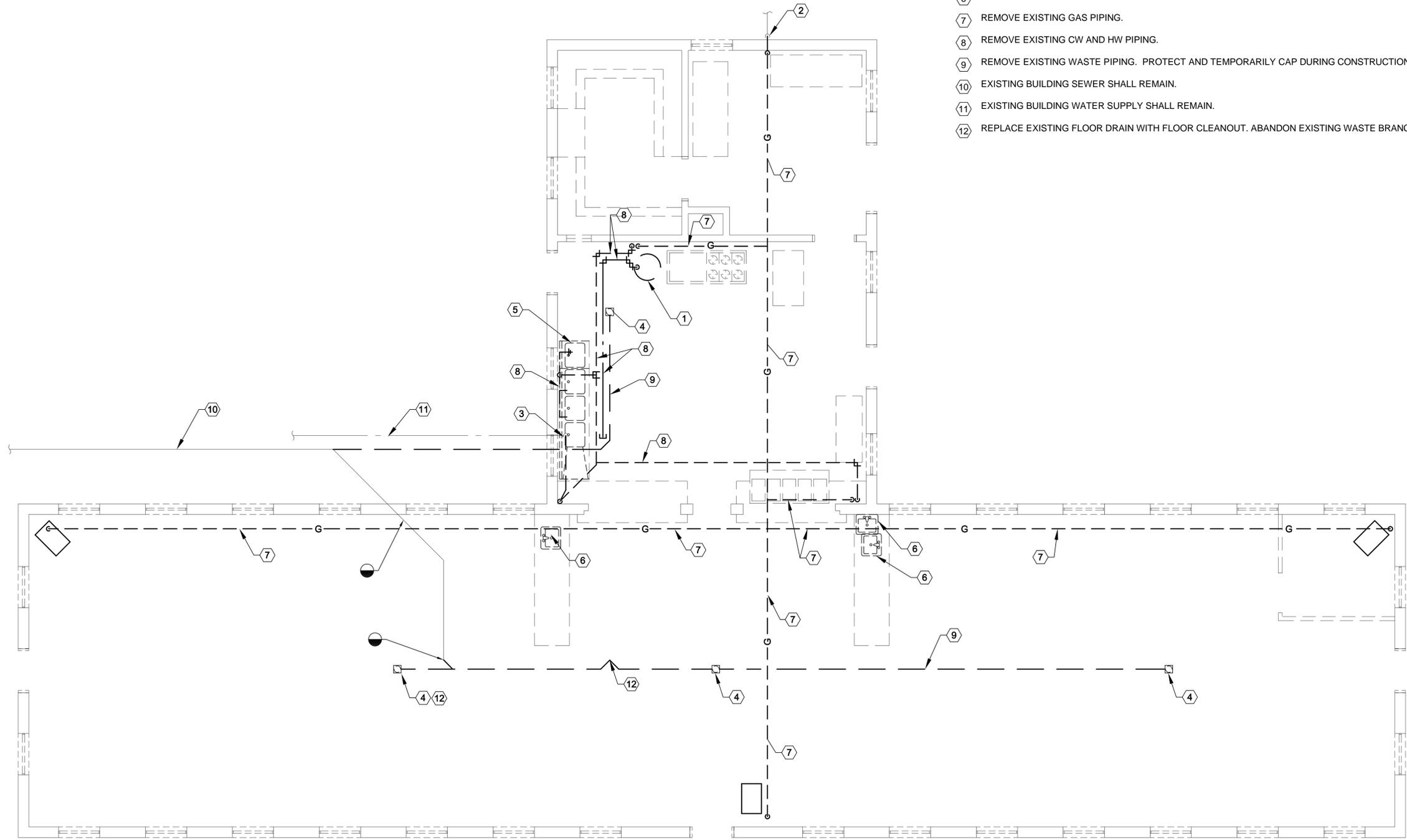
5

D

C

B

A



**SHEET NOTES:**

- ① REMOVE EXISTING WATER HEATER ALONG WITH ALL ASSOCIATED PIPING.
- ② EXISTING GAS PRESSURE REGULATOR SHALL REMAIN. CAP FOR RECONNECTION TO NEW GAS PIPING.
- ③ CAP EXISTING BUILDING WATER SERVICE RISER. SEE SHEET PE-101 FOR NEW PIPING.
- ④ REMOVE EXISTING FLOOR DRAIN. FIELD VERIFY EXACT LOCATION.
- ⑤ REMOVE EXISTING 3-COMPARTMENT SINK ALONG WITH ALL ASSOCIATED PIPING.
- ⑥ REMOVE EXISTING HAND SINK ALONG WITH ALL ASSOCIATED PIPING.
- ⑦ REMOVE EXISTING GAS PIPING.
- ⑧ REMOVE EXISTING CW AND HW PIPING.
- ⑨ REMOVE EXISTING WASTE PIPING. PROTECT AND TEMPORARILY CAP DURING CONSTRUCTION.
- ⑩ EXISTING BUILDING SEWER SHALL REMAIN.
- ⑪ EXISTING BUILDING WATER SUPPLY SHALL REMAIN.
- ⑫ REPLACE EXISTING FLOOR DRAIN WITH FLOOR CLEANOUT. ABANDON EXISTING WASTE BRANCH IN PLACE.

ARCHITECT PROJECT # 0781



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
 BUILDING 5080**

SHEET NAME:

**PLUMBING  
 DEMOLITION  
 PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

ISSUE DATA

ISSUE DATE: APRIL 2009  
 ISSUE TYPE: STAFF  
 DRAWN BY: WP  
 CHECKED BY: WP  
 CAD FILE NAME:  
 DFCM PROJECT # 07332480  
 CONTRACT #  
 COPYRIGHT:

SHEET NUMBER:

**PD-101**

SHEET OF



PLUMBING DEMOLITION PLAN



1

2

3

4

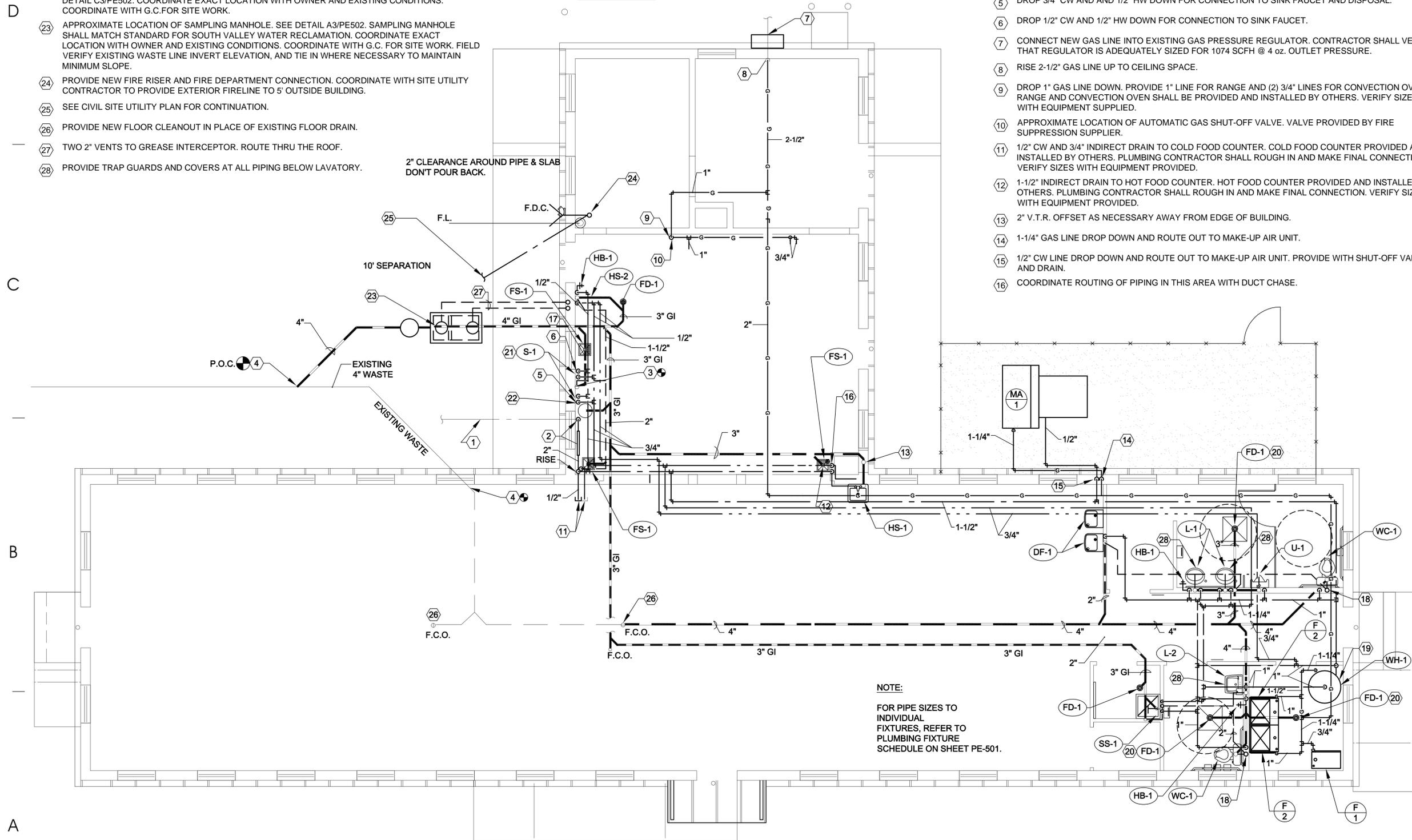
5

SHEET NOTES:

- 17 ROUTE 2" SINK DRAIN TO FLOOR SINK.
- 18 4" V.T.R.
- 19 SEE WATER HEATER DETAIL A3/PE-501.
- 20 ROUTE TRAP PRIMER PIPING BELOW SLAB FROM JANITORS CLOSET OR LAVATORY TO FLOOR DRAIN. SEE DETAIL B1/PE-501.
- 22 PROVIDE GREASE INTERCEPTOR AT THIS APPROXIMATE LOCATION OF GREASE INTERCEPTOR. SEE DETAIL C3/PE502. COORDINATE EXACT LOCATION WITH OWNER AND EXISTING CONDITIONS. COORDINATE WITH G.C.FOR SITE WORK.
- 23 APPROXIMATE LOCATION OF SAMPLING MANHOLE. SEE DETAIL A3/PE502. SAMPLING MANHOLE SHALL MATCH STANDARD FOR SOUTH VALLEY WATER RECLAMATION. COORDINATE EXACT LOCATION WITH OWNER AND EXISTING CONDITIONS. COORDINATE WITH G.C. FOR SITE WORK. FIELD VERIFY EXISTING WASTE LINE INVERT ELEVATION, AND TIE IN WHERE NECESSARY TO MAINTAIN MINIMUM SLOPE.
- 24 PROVIDE NEW FIRE RISER AND FIRE DEPARTMENT CONNECTION. COORDINATE WITH SITE UTILITY CONTRACTOR TO PROVIDE EXTERIOR FIRELINE TO 5' OUTSIDE BUILDING.
- 25 SEE CIVIL SITE UTILITY PLAN FOR CONTINUATION.
- 26 PROVIDE NEW FLOOR CLEANOUT IN PLACE OF EXISTING FLOOR DRAIN.
- 27 TWO 2" VENTS TO GREASE INTERCEPTOR. ROUTE THRU THE ROOF.
- 28 PROVIDE TRAP GUARDS AND COVERS AT ALL PIPING BELOW LAVATORY.

SHEET NOTES:

- 1 APPROXIMATE LOCATION OF 2" WATER LINE. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WATER LINE.
- 2 CONNECT NEW 2" WATER LINE INTO EXISTING 2" WATER RISER AT THIS APPROXIMATE LOCATION. PROVIDE NEW PRESSURE REDUCING STATION. SEE DETAIL A1 ON SHEET PE-501.
- 3 CONNECT INTO EXISTING 4" V.T.R. AT THIS APPROXIMATE LOCATION.
- 4 CONNECTION INTO EXISTING 4" WASTE AT THIS APPROXIMATE LOCATION. FIELD VERIFY EXACT LOCATION AND DEPTH.
- 5 DROP 3/4" CW AND 1/2" HW DOWN FOR CONNECTION TO SINK FAUCET AND DISPOSAL.
- 6 DROP 1/2" CW AND 1/2" HW DOWN FOR CONNECTION TO SINK FAUCET.
- 7 CONNECT NEW GAS LINE INTO EXISTING GAS PRESSURE REGULATOR. CONTRACTOR SHALL VERIFY THAT REGULATOR IS ADEQUATELY SIZED FOR 1074 SCFH @ 4 oz. OUTLET PRESSURE.
- 8 RISE 2-1/2" GAS LINE UP TO CEILING SPACE.
- 9 DROP 1" GAS LINE DOWN. PROVIDE 1" LINE FOR RANGE AND (2) 3/4" LINES FOR CONVECTION OVENS. RANGE AND CONVECTION OVEN SHALL BE PROVIDED AND INSTALLED BY OTHERS. VERIFY SIZES WITH EQUIPMENT SUPPLIER.
- 10 APPROXIMATE LOCATION OF AUTOMATIC GAS SHUT-OFF VALVE. VALVE PROVIDED BY FIRE SUPPRESSION SUPPLIER.
- 11 1/2" CW AND 3/4" INDIRECT DRAIN TO COLD FOOD COUNTER. COLD FOOD COUNTER PROVIDED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR SHALL ROUGH IN AND MAKE FINAL CONNECTION. VERIFY SIZES WITH EQUIPMENT PROVIDED.
- 12 1-1/2" INDIRECT DRAIN TO HOT FOOD COUNTER. HOT FOOD COUNTER PROVIDED AND INSTALLED BY OTHERS. PLUMBING CONTRACTOR SHALL ROUGH IN AND MAKE FINAL CONNECTION. VERIFY SIZES WITH EQUIPMENT PROVIDED.
- 13 2" V.T.R. OFFSET AS NECESSARY AWAY FROM EDGE OF BUILDING.
- 14 1-1/4" GAS LINE DROP DOWN AND ROUTE OUT TO MAKE-UP AIR UNIT.
- 15 1/2" CW LINE DROP DOWN AND ROUTE OUT TO MAKE-UP AIR UNIT. PROVIDE WITH SHUT-OFF VALVE AND DRAIN.
- 16 COORDINATE ROUTING OF PIPING IN THIS AREA WITH DUCT CHASE.



PLUMBING PLAN (A5) PE-101

ARCHITECT PROJECT # 0781



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

CAMP WILLIAMS  
BUILDING 5080

SHEET NAME:

PLUMBING  
PLAN

REVISIONS  
MARK DATE DESCRIPTION

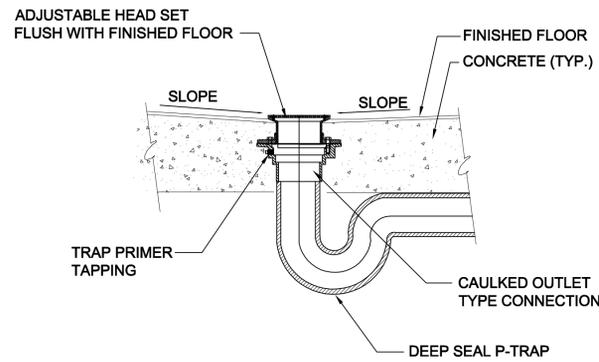
ISSUE DATA  
ISSUE DATE: APRIL 2009  
ISSUE TYPE:  
DRAWN BY: STAFF  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

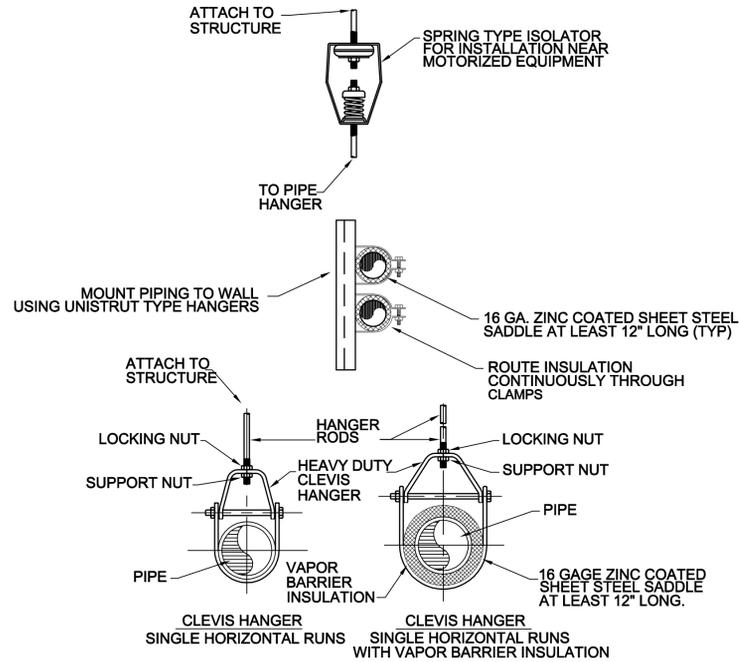
PE-101

SHEET OF

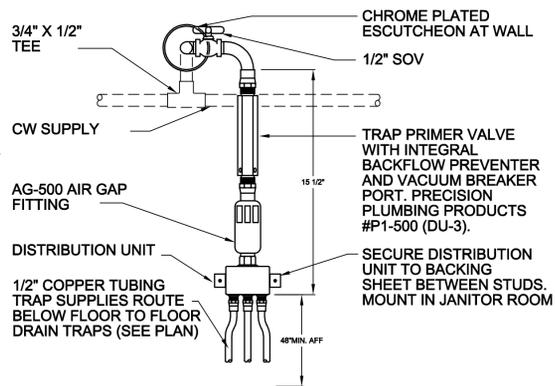
MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
WC-1	WATER CLOSET	INT.	4"	2"	1"	-	FLOOR MOUNTED, FLUSH VALVE, 18" RIM HEIGHT (ADA APPROVED)
U-1	URINAL	INT.	3"	2"	3/4"	-	FLUSH VALVE, WALL HUNG (ADA APPROVED)
L-1	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	COUNTER TOP (ADA APPROVED), PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
L-2	LAVATORY	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED (ADA APPROVED), PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
HS-1	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
HS-2	HAND SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED, STAINLESS STEEL. PROVIDE WITH THERMOSTATIC AND PRESSURE MIXING VALVE.
FD-1	FLOOR DRAIN	3"	3"	2"	-	-	PROVIDE WITH TRAP PRIMER.
FS-1	FLOOR SINK	3"	3"	2"	-	-	
HB-1	HOSE BIBB	-	-	-	1/2"	-	
S-1	SINK	2"	2"	2"	1/2"	1/2"	3 COMPARTMENT, STAINLESS STEEL, FREE STANDING
SS-1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1-1/2"	1/2"	-	ELECTRIC BILEVEL OASIS MODEL P8ACSL OR EQUIVALENT.
WH-1	WATER HEATER	-	-	-	1-1/2"	1-1/2"	199,000 BTU INPUT, 100 GAL. CAPACITY, 227 GPH RECOVERY AT 100° TEMPERATURE RISE. 120V/1Ø/60, .7 AMPS. A.O.SMITH BTH-199



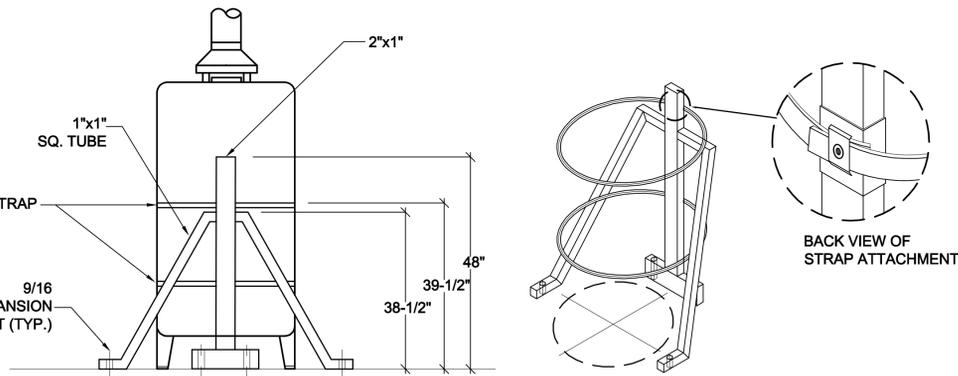
**C1 FLOOR DRAIN DETAIL**  
SCALE: NONE



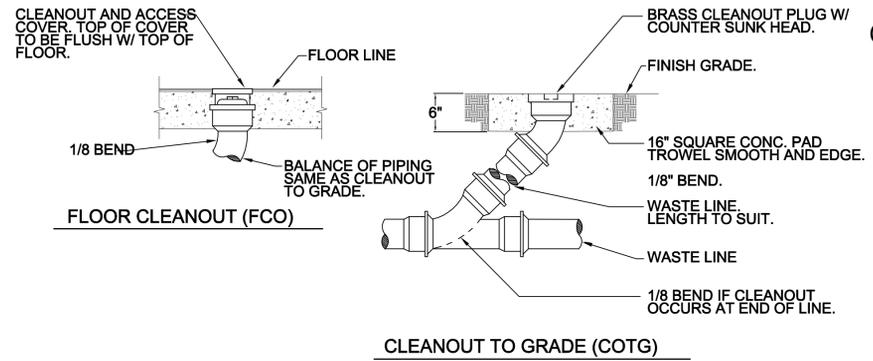
**C2 PIPE HANGER DETAIL**  
NO SCALE



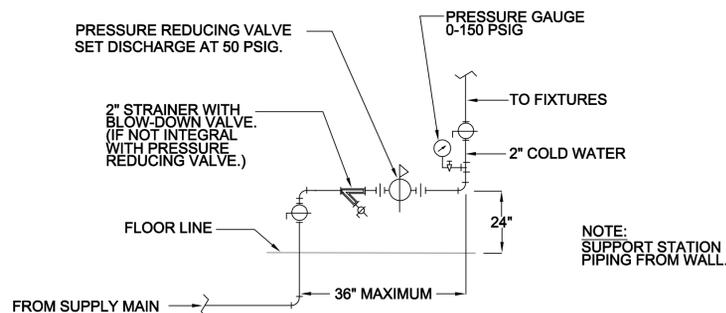
**B1 TRAP PRIMER DETAIL**  
SCALE: NONE



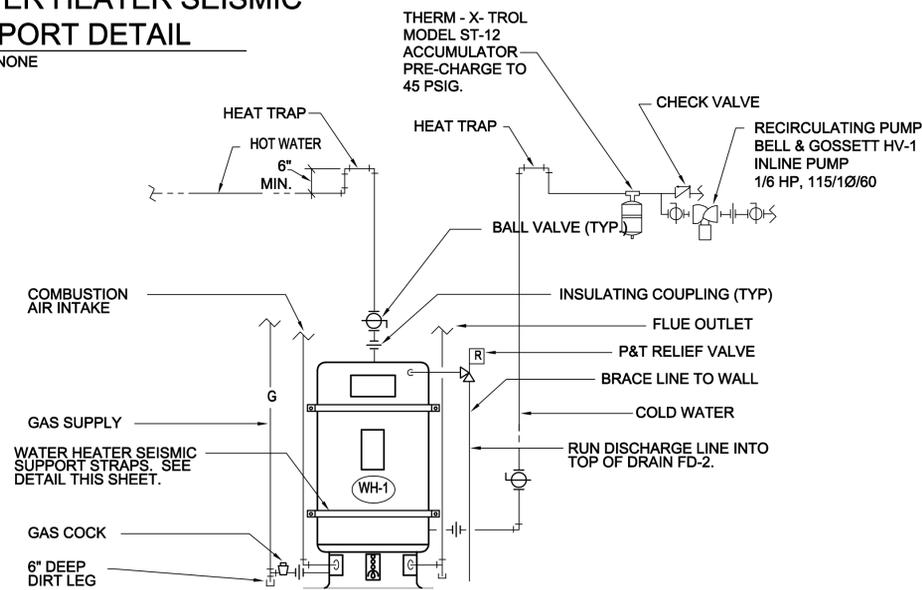
**B2 WATER HEATER SEISMIC SUPPORT DETAIL**  
SCALE: NONE



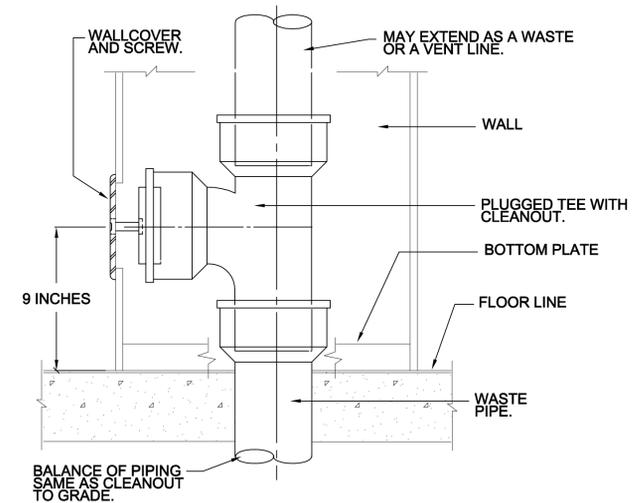
**B4 CLEANOUT DETAILS**  
SCALE: NONE



**A1 WATER PRESSURE REDUCING STATION DETAIL**  
SCALE: NONE



**A3 WATER HEATER DETAIL**  
SCALE: NONE



**A4 WALL CLEANOUT DETAIL**  
SCALE: NONE



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:

**B PLUMBING DETAILS AND SCHEDULES**

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: APRIL 2009  
ISSUE TYPE: STAFF  
DRAWN BY: WP  
CHECKED BY: WP  
CAD FILE NAME: DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

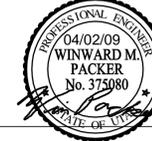
SHEET NUMBER:

**PE-501**

SHEET OF



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B PLUMBING DETAILS  
AND SCHEDULES**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: STAFF  
DRAWN BY: WP  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

**PE-502**

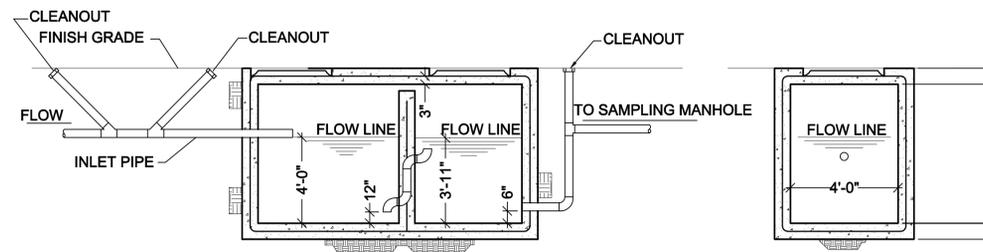
SHEET OF

**NOTES:**

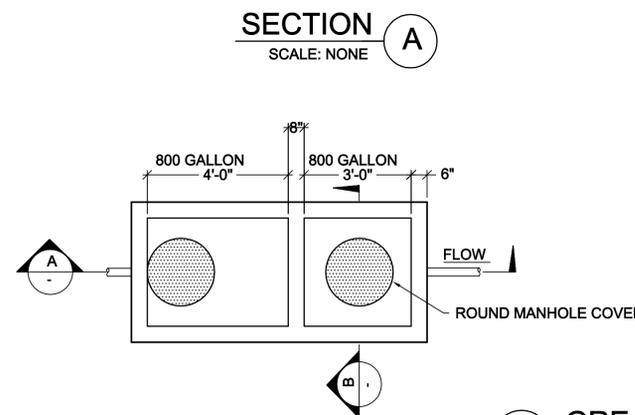
1. PIPING, CLEANOUT CONFIGURATION, SIZE AND TYPE OF PIPING MATERIAL AS PER CITY OR SANITARY DISTRICT. INSPECTION BY SVWRF PRIOR TO BACKFILLING IS REQUIRED.
2. INTERCEPTOR PIPING AND OTHER ASSOCIATED PIPING CHANGES THAT ARE NECESSARY TO INSTALL INTERCEPTOR MUST BE IN ACCORDANCE WITH LOCAL REGULATIONS.
3. INTERCEPTOR MUST BE PROPERLY VENTED ON ACCORDANCE WITH UNIFORM PLUMBING CODE STANDARDS.
4. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
5. REINFORCEMENT STEEL SHALL BE ASTW A615 GRADE 60.
6. THE CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE A MINIMUM OF 1-1/2 INCHES.
7. THE STRUCTURE SHALL BE DESIGNED BY REGISTERED PROFESSIONAL ENGINEER LICENSED ON THE STATE OF UTAH.
8. THE STRUCTURE SHALL BE DESIGNED FOR THE FOLLOWING LOADING CRITERIA:  
A) WALLS DESIGNED FOR A SATURATED EQUIVALENT FLUID AT-REST SOIL PRESSURE OF 90 PCF PLUS TRUCK SURCHARGES.  
B) TRUCK LOADING USING AN AASHTO H-20 TRUCK LOAD.
9. MANWAY FRAME AND COVER SHALL BE A TRAFFIC TYPE CASTING FOR H-20 TRUCK LOAD.
10. THE INLET PIPE SHALL BE AT AN ELEVATION 1" HIGHER THAN THE OUTLET PIPE.
11. WHERE THE SEWER LINE ALREADY EXISTS, THE SEWER INVERT INTO AND OUT OF THE INTERCEPTOR SHALL BE 4'-0" ABOVE THE INTERCEPTOR FLOOR.
12. THE BAFFLE IN THE INTERCEPTOR SHALL BE WITHIN 3" OF THE CEILING.
13. COVERS SHALL BE CIRCULAR AND BE SOLID.
14. SANITARY WASTE FROM TOILETS MUST NOT BE PLUMBED THROUGH THE INTERCEPTOR.

**GENERAL:**

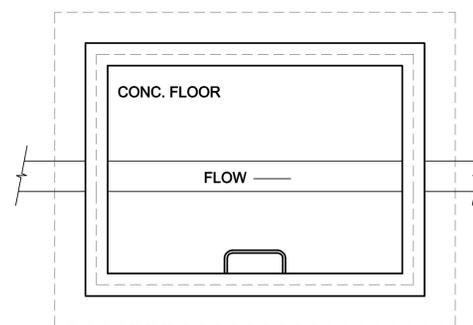
1. CONSTRUCT GREASE INTERCEPTOR FOR REQUIREMENTS OF SOUTH VALLEY WATER RECLAMATION DISTRICT. COORDINATE ALL REQUIREMENTS PRIOR TO CONSTRUCTION.



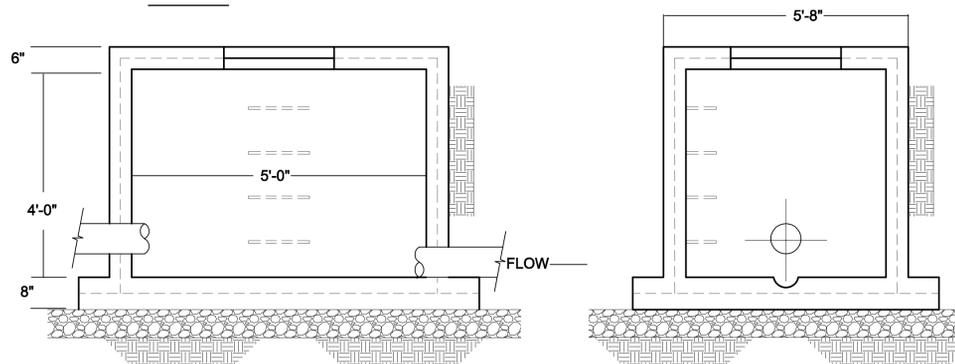
**SECTION B**  
SCALE: NONE



**C3 GREASE INTERCEPTOR**  
SCALE: NONE



**PLAN**



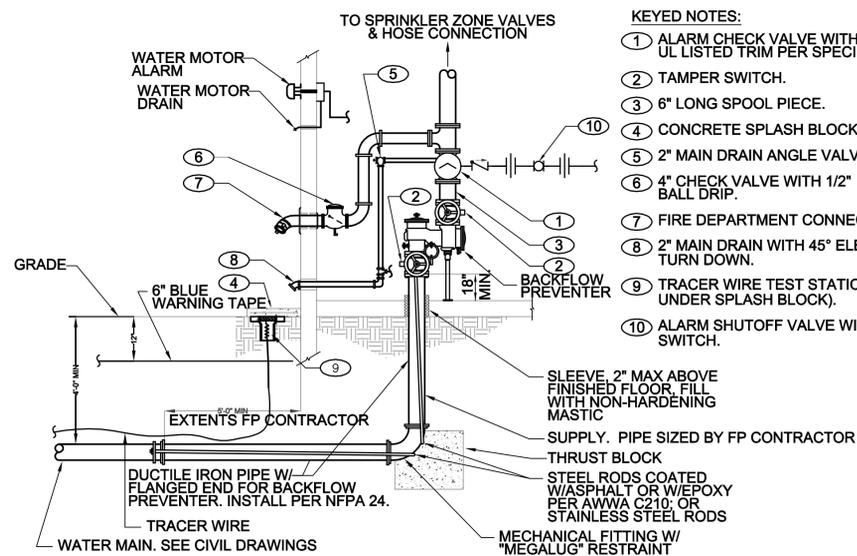
**SECTION**

**SECTION**

**A3 SAMPLING MANHOLE BOX DETAIL**  
SCALE: NONE

**KEYED NOTES:**

- 1 ALARM CHECK VALVE WITH COMPLETE UL LISTED TRIM PER SPECIFICATION.
- 2 TAMPER SWITCH.
- 3 6" LONG SPOOL PIECE.
- 4 CONCRETE SPLASH BLOCK.
- 5 2" MAIN DRAIN ANGLE VALVE.
- 6 4" CHECK VALVE WITH 1/2" BALL DRIP.
- 7 FIRE DEPARTMENT CONNECTION.
- 8 2" MAIN DRAIN WITH 45° ELBOW TURN DOWN.
- 9 TRACER WIRE TEST STATION (NOT UNDER SPLASH BLOCK).
- 10 ALARM SHUTOFF VALVE WITH TAMPER SWITCH.



**C1 CLASS 1 SPRINKLER RISER DETAIL**  
SCALE: NONE

D

C

B

A

1

2

3

4

5

1

2

3

4

5

MECHANICAL LEGEND			
SYMBOL	ABR.	DESCRIPTION	
		EXISTING AIR DUCT TO BE REMOVED	
		EXISTING AIR DUCT TO REMAIN	
		NEW AIR DUCT	
		RECT. TO RECT. AIR DUCT TAKE-OFF	FD FIRE DAMPER
		RECT. TO RND. AIR DUCT TAKE-OFF	TSTAT WALL MOUNTED THERMOSTAT
		RND. TO RND. AIR DUCT TAKE-OFF	SA SUPPLY AIR
		FLEXIBLE AIR DUCT	RA RETURN AIR
		LINED DUCT	EA EXHAUST AIR
		VANED ELBOW	SECTION LETTER DESIGNATION
		RADIUS ELBOW	SECTION DRAWN ON THIS SHEET
		CONCENTRIC DUCT TRANSITION	DETAIL NUMBER DESIGNATION
		ECCENTRIC DUCT TRANSITION	
		FLEXIBLE DUCT CONNECTION	MECHANICAL EQUIPMENT DESIGNATION
		VOLUME DAMPER	EQUIPMENT ITEM DESIGNATION
		SUPPLY AIR DIFFUSER	REVISION DESIGNATOR AND NUMBER
		RETURN AIR, FRESH AIR, AND TRANSFER AIR	KEY NOTE DESIGNATOR AND NUMBER
		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE	POC POINT OF CONNECTION
		RETURN OR OUTSIDE AIR DUCT UP	GC GENERAL CONTRACTOR
		SUPPLY DUCT UP	MC MECHANICAL CONTRACTOR
		EXHAUST AIR INTAKE UP	NIC NOT IN CONTRACT
		RETURN OR OUTSIDE AIR DUCT DOWN	
		SUPPLY DUCT DOWN	
		EXHAUST DUCT DOWN	
		ROUND DUCT UP	
		ROUND DUCT DOWN	

GENERAL NOTES:

- G-1** MECHANICAL INFORMATION IS NOT LIMITED TO THE MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENTS INCLUDING DRAWINGS BY OTHER DISCIPLINES AND SPECIFICATIONS.  
  
A - EACH DRAWING SHEET AND THE SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN AND NOTED ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN ALL PLACES. ITEMS IN SPECIFICATIONS OR DRAWINGS LISTED WHICH ARE DIFFERING IN EFFICIENCY OR QUALITY SHALL BE HELD TO THE GREATEST OF: EFFICIENCY, QUALITY OR GOVERNING CODE.  
  
B - THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE INSTALLATION OF THE SYSTEMS ACCORDING TO THE TRUE INTENT AND MEANING OF THE CONTRACT DOCUMENTS.  
  
C - THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITH PROPER SERVICE ACCESS AND CLEARANCES ACCORDING TO MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL REVIEW SUPPLIERS BID PACKAGES FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS, SCHEDULES, AND DESIGN INTENT (ALL EQUIPMENT AND METHODS). THE CONTRACTOR SHALL REMOVE AND REINSTALL CORRECTLY AT HIS OWN EXPENSE ANY EQUIPMENT NOT IN COMPLIANCE.  
  
D - THE CONTRACTOR SHALL CONSULT MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SIZES, METHODS, ACCESSORIES, AND CLEARANCES IN SPACE AVAILABLE PRIOR TO BIDDING PROJECT.  
  
E - ANYTHING NOT CLEAR OR IN CONFLICT WILL BE EXPLAINED BY MAKING APPLICATION TO THE ENGINEER IN WRITING.
- G-2** ANY AND ALL ALTERATIONS TO THE SYSTEM SHOWN SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO CHANGES FOR APPROVAL. CONTRACTOR SHALL NOT START ANY CHANGES UNTIL NOTIFIED IN WRITING. IF CHANGES ARE MADE PRIOR TO APPROVAL CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR THE CHANGES MADE AND ALL COSTS RELATING TO FAILURE OR REPLACEMENT OF ALTERATIONS.
- G-3** CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND LOCATIONS.
- G-4** THE WORKING DRAWINGS ARE DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND, OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR MECHANICAL EQUIPMENT SHALL BE FIELD VERIFIED AND COORDINATED WITH ALL DRAWINGS. THE CONTRACTOR SHALL PROVIDE OR COORDINATE WITH THE GENERAL CONTRACTOR PROVISIONS FOR BLOCKOUTS OR CORE DRILLS THROUGH STRUCTURE.
- G-5** THE INSTRUCTION TO "PROVIDE" ALSO INCLUDES INSTALLATION.
- G-6** MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL SMOKE AND FIRE DAMPERS AS REQUIRED BY LOCAL CODES AND AUTHORITIES.
- G-7** SHEET METAL DUCT SIZES SHOWN ON DRAWINGS ARE FREE AREA DIMENSIONS.
- G-8** PROVIDE AND INSTALL BALANCING DAMPERS IN ALL SUPPLY AND EXHAUST AIR BRANCH DUCTS. BALANCE TO CFM SHOWN ON PLAN.
- G-9** SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF DIFFUSERS AND GRILLES.
- G-10** PROVIDE TURNING VANES IN ALL ELBOWS OF RECTANGULAR DUCT.
- G-11** THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY IN HANDLING AND DISPOSING OF REFRIGERANTS, OILS, ETC. ALL SUCH MATERIALS SHALL BE HANDLED, DISPOSED, AND USED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS.
- G-12** THE MECHANICAL CONTRACTOR SHALL VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWING BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS.
- G-13** C.F.M. LISTED IS ACTUAL AIR.
- G-14** SUPPLIERS SHALL REVIEW ALL DRAWINGS AND THE SPECIFICATIONS PRIOR TO SUBMITTING PRICES TO THE CONTRACTOR. ALL QUESTIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.
- G-15** CONTRACTOR SHALL THOROUGHLY REVIEW AND SIGN SUBMITTALS FOR COMPLETENESS AND COMPLIANCE TO THE SPECIFICATIONS PRIOR TO ENGINEERS REVIEW. SUPPLIERS SHALL HIGHLIGHT OR MARK ALL INFORMATION REQUIRED TO SHOW COMPLIANCE TO THE SPECIFICATIONS. ALL REQUESTED EXCEPTIONS TO THE SPECIFICATIONS, OR SCHEDULES SHALL BE CLEARLY NOTED AND EXPLAINED. SUBMITTAL REVIEW AND ACCEPTANCE IS FOR DESIGN CONCEPT ONLY, AND DOES NOT AT ANY TIME RELIEVE THE CONTRACTOR OF RESPONSIBILITY TO MEET SPECIFICATIONS, CAPACITIES, OR DESIGN INTENT.
- G-16** ALL MECHANICAL SHALL BE INSTALLED AND CONFORM TO THE 2006 EDITION OF THE IMC WITH UTAH ANNOTATIONS AND LOCAL AUTHORITY REQUIREMENTS.
- G-17** THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE DRAINING DOWN AND RE-FILLING OF ALL SYSTEMS NECESSARY TO COMPLETE THE WORK OUTLINED BY THIS PROJECT. THIS INCLUDES PROVIDING THE REQUIRED CHEMICAL TREATMENT WHEN RE-FILLING THE SYSTEM.
- G-18** ALL PIPING, MATERIALS, ETC. SHALL BE NEW AND DOMESTIC MADE UNLESS SPECIFICALLY AUTHORIZED IN WRITING PRIOR TO BID.



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

MECHANICAL  
GENERAL NOTES AND  
LEGEND

REVISIONS

MARK	DATE	DESCRIPTION

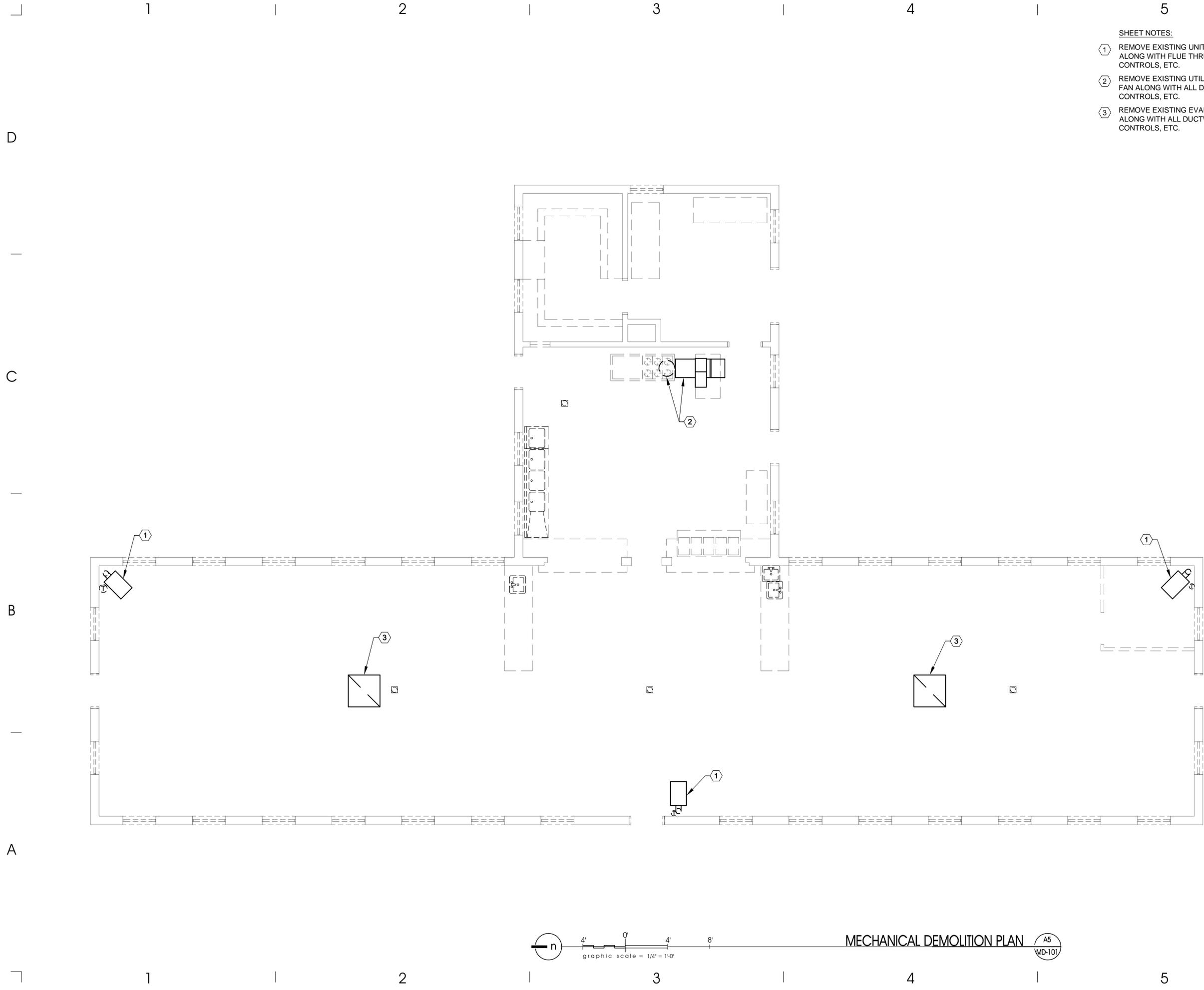
ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE:  
DRAWN BY: STAFF  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

**MG-001**

SHEET OF



- SHEET NOTES:**
- ① REMOVE EXISTING UNIT HEATER ALONG WITH FLUE THRU ROOF, CONTROLS, ETC.
  - ② REMOVE EXISTING UTILITY EXHAUST FAN ALONG WITH ALL DUCTWORK, CONTROLS, ETC.
  - ③ REMOVE EXISTING EVAP COOLER ALONG WITH ALL DUCTWORK, GRILLES, CONTROLS, ETC.

ARCHITECT PROJECT # 0781



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B MECHANICAL  
DEMOLITION  
PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

ISSUE DATA

ISSUE DATE: APRIL 2009  
 ISSUE TYPE: STAFF  
 DRAWN BY: WP  
 CHECKED BY: WP  
 CAD FILE NAME:  
 DFCM PROJECT # 07332480  
 CONTRACT #  
 COPYRIGHT:

SHEET NUMBER:

**MD-101**  
SHEET OF



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B MECHANICAL  
PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE:	APRIL 2009
ISSUE TYPE:	STAFF
DRAWN BY:	WP
CHECKED BY:	WP
CAD FILE NAME:	
DFCM PROJECT #	07332480
CONTRACT #	
COPYRIGHT:	

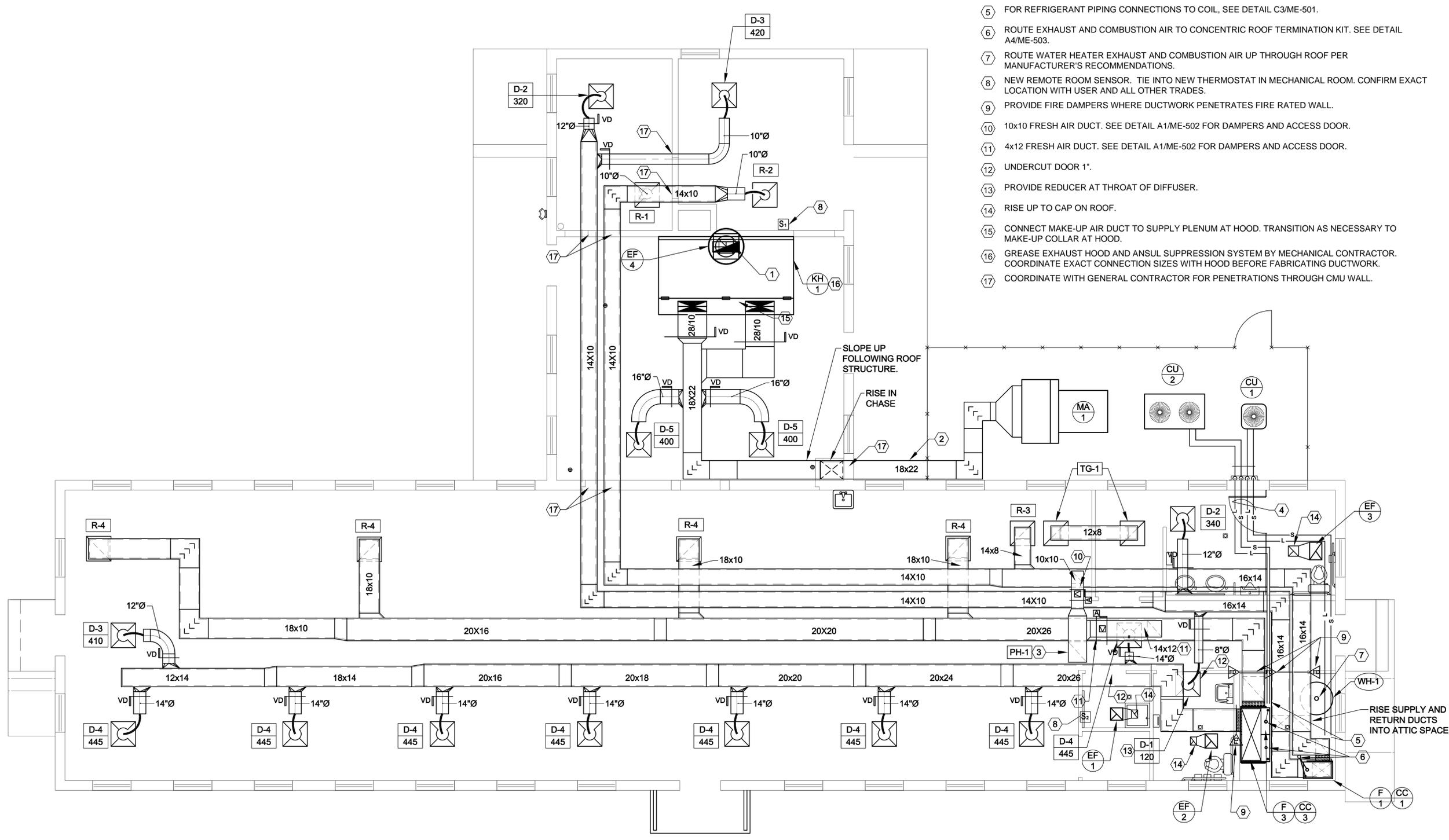
SHEET NUMBER:

**ME-101**

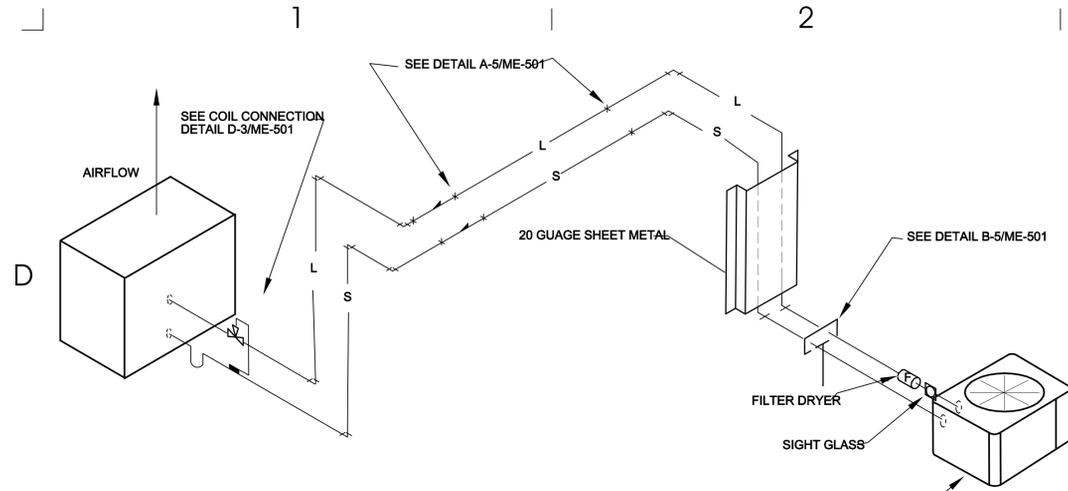
SHEET OF

SHEET NOTES:

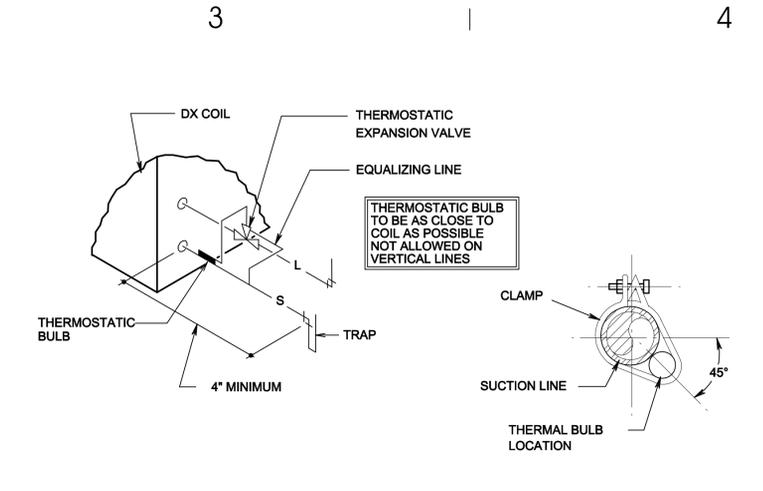
- ① TRANSITION AT FAN. CONNECT TO HOOD OUTLET, AND FAN INLET. RISE UP 24x10 DUCT TO EXHAUST FAN EF-4 ON ROOF. SEE DETAIL C4/ME-503. DUCT SHALL BE WRAPPED WITH FIRE RATED CERAMIC FIBER DUCT WRAP. SEE SPECIFICATIONS.
- ② WHERE DUCT WORK IS EXPOSED OUTSIDE, PROVIDE WITH INSULATION OF A MINIMUM R-8 AND PROVIDE A 0.020" THICK ALUMINUM JACKET. SEAL JACKET WATER TIGHT.
- ③ 16x14 FRESH AIR DUCT RISE UP TO PENTHOUSE PH-1 ON ROOF. 18x18x15-1/2 HIGH HIGH PENTHOUSE. SEE PENTHOUSE DETAIL C1/ME-502.
- ④ FOR REFRIGERANT PIPE SIZES, SEE CHART ON SHEET ME/501.
- ⑤ FOR REFRIGERANT PIPING CONNECTIONS TO COIL, SEE DETAIL C3/ME-501.
- ⑥ ROUTE EXHAUST AND COMBUSTION AIR TO CONCENTRIC ROOF TERMINATION KIT. SEE DETAIL A4/ME-503.
- ⑦ ROUTE WATER HEATER EXHAUST AND COMBUSTION AIR UP THROUGH ROOF PER MANUFACTURER'S RECOMMENDATIONS.
- ⑧ NEW REMOTE ROOM SENSOR. TIE INTO NEW THERMOSTAT IN MECHANICAL ROOM. CONFIRM EXACT LOCATION WITH USER AND ALL OTHER TRADES.
- ⑨ PROVIDE FIRE DAMPERS WHERE DUCTWORK PENETRATES FIRE RATED WALL.
- ⑩ 10x10 FRESH AIR DUCT. SEE DETAIL A1/ME-502 FOR DAMPERS AND ACCESS DOOR.
- ⑪ 4x12 FRESH AIR DUCT. SEE DETAIL A1/ME-502 FOR DAMPERS AND ACCESS DOOR.
- ⑫ UNDERCUT DOOR 1".
- ⑬ PROVIDE REDUCER AT THROAT OF DIFFUSER.
- ⑭ RISE UP TO CAP ON ROOF.
- ⑮ CONNECT MAKE-UP AIR DUCT TO SUPPLY PLENUM AT HOOD. TRANSITION AS NECESSARY TO MAKE-UP COLLAR AT HOOD.
- ⑯ GREASE EXHAUST HOOD AND ANSUL SUPPRESSION SYSTEM BY MECHANICAL CONTRACTOR. COORDINATE EXACT CONNECTION SIZES WITH HOOD BEFORE FABRICATING DUCTWORK.
- ⑰ COORDINATE WITH GENERAL CONTRACTOR FOR PENETRATIONS THROUGH CMU WALL.



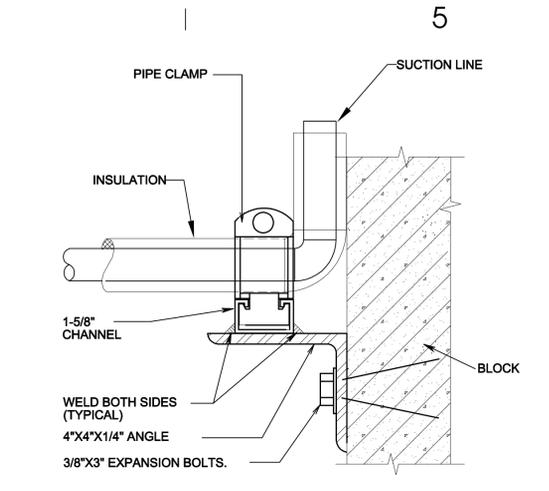
MECHANICAL PLAN A5  
ME-101



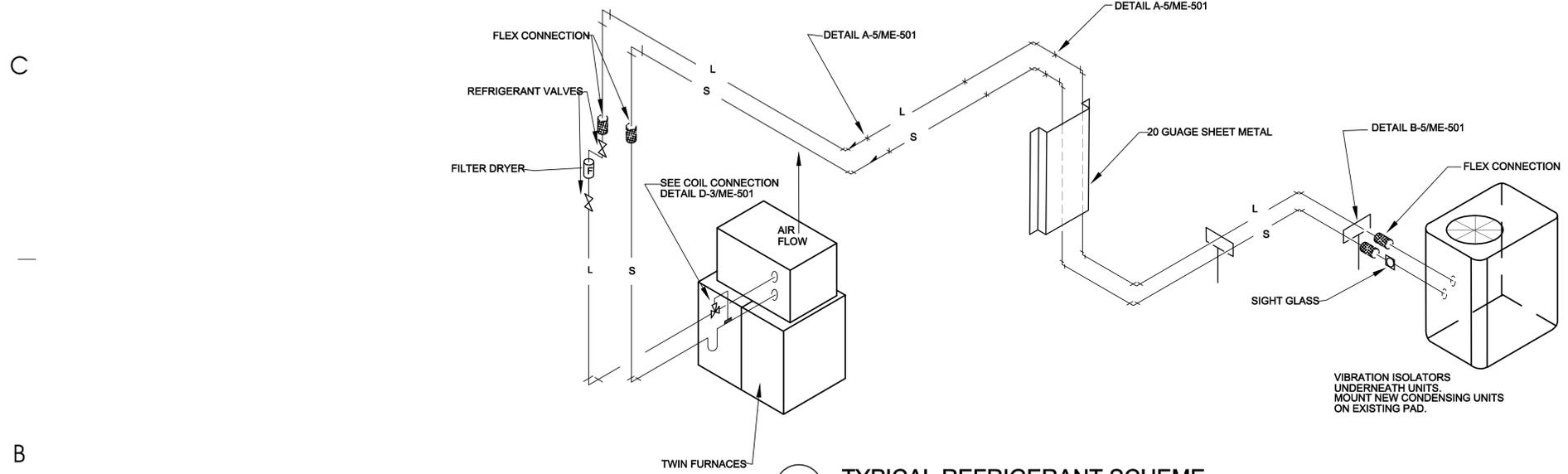
**C1** TYPICAL REFRIGERANT SCHEME  
SCALE: NONE



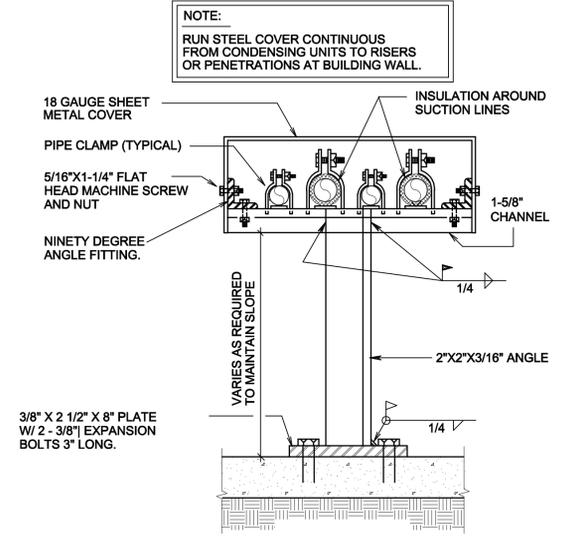
**C3** REFRIGERANT COIL CONNECTION DETAIL  
SCALE: NONE



**C5** REFRIGERANT PIPE SUPPORT AT WALL  
SCALE: NONE



**B3** TYPICAL REFRIGERANT SCHEME  
SCALE: NONE

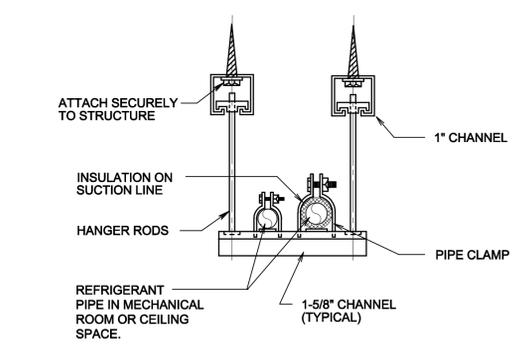


**B5** EXTERIOR REFRIGERANT PIPE SUPPORT  
SCALE: NONE

REFRIGERANT PIPING LEGEND	
SYMBOL	DESCRIPTION
	REFRIGERANT SHUT-OFF VALVE
	EXPANSION VALVE. (C3 ME-501)
	MOISTURE INDICATING SIGHT GLASS
	FLEXIBLE CONNECTION
	FILTER DRIER
	PIPE SUPPORT. SEE DETAILS (A5 ME-501) (C5 ME-501)
	EXTERIOR PIPE SUPPORT. SEE DETAIL (B5 ME-501)
	TRAP. ONE PIECE FACTORY FABRICATED
	DIRECTION OF SLOPE DOWN
	SUCTION LINE
	LIQUID LINE

REFRIGERANT PIPE SIZES		
CONDENSING UNIT	SUCTION	LIQUID
(CU 1)	7/8"	1/2"
(CU 2)	1-3/8"	5/8"

REFRIGERANT PIPE SIZES ARE FOR BIDDING PURPOSES. WHERE MANUFACTURER OF CONDENSING UNIT RECOMMENDS A DIFFERENT PIPE SIZE FOLLOW MANUFACTURER'S RECOMMENDATIONS AND NOTIFY ENGINEER.



**A4** SUSPENDED REFRIGERANT PIPE SUPPORT AT CEILING  
SCALE: NONE



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:

**B** MECHANICAL DETAILS

REVISIONS  
MARK DATE DESCRIPTION

ISSUE DATE: APRIL 2009  
ISSUE TYPE:  
DRAWN BY: STAFF  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

**ME-501**  
SHEET OF



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B MECHANICAL  
DETAILS**

REVISIONS

MARK	DATE	DESCRIPTION

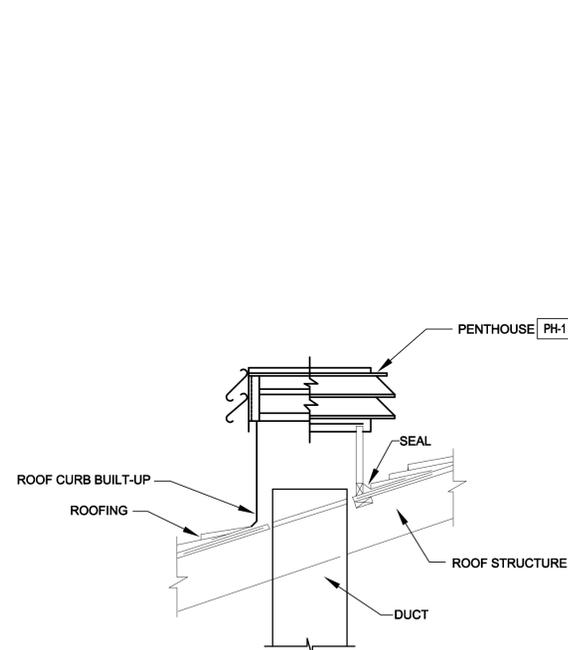
ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE: STAFF  
DRAWN BY: WP  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

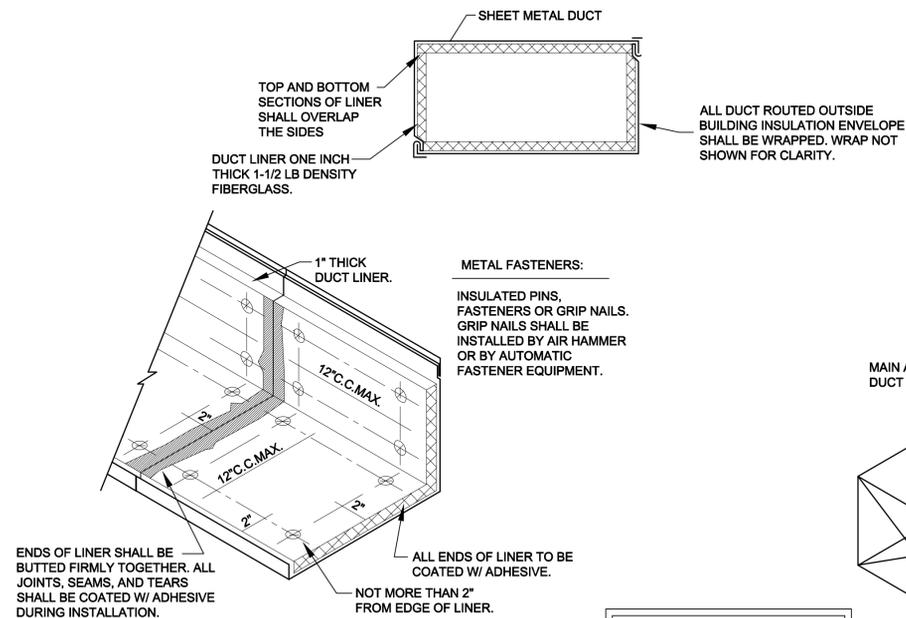
SHEET NUMBER:

**ME-502**

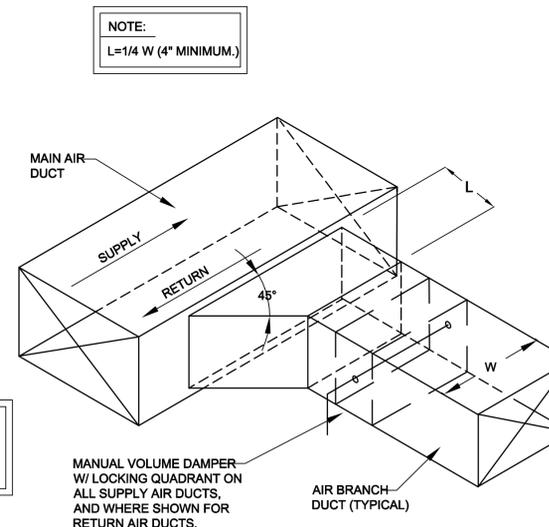
SHEET OF



**C1 PENTHOUSE DETAIL**  
SCALE: NONE

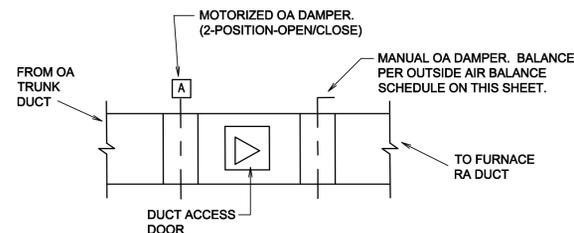


**C3 DUCT LINER DETAIL**  
SCALE: NONE

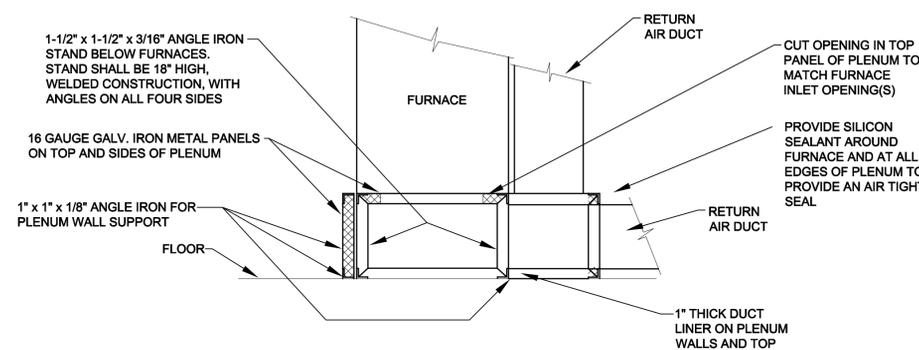


**C4 BRANCH DUCT TAKE-OFF &  
DAMPER DETAIL**  
SCALE: NONE

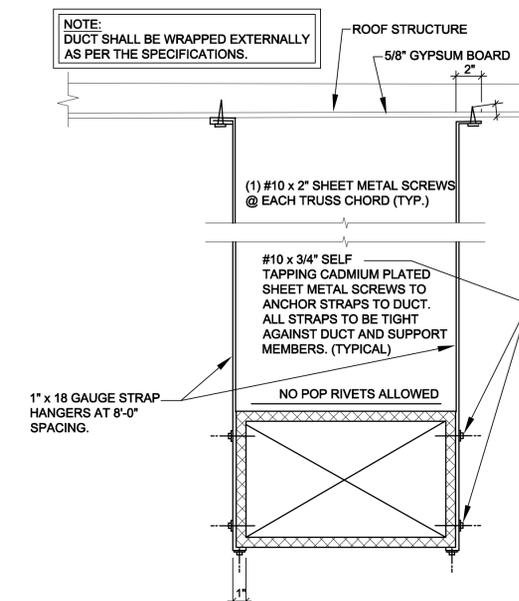
OUTSIDE AIR BALANCE	
F-1	300
F-2 (TWIN)	900



**A1 TYPICAL OUTSIDE AIR DUCT DETAIL**  
SCALE: NONE

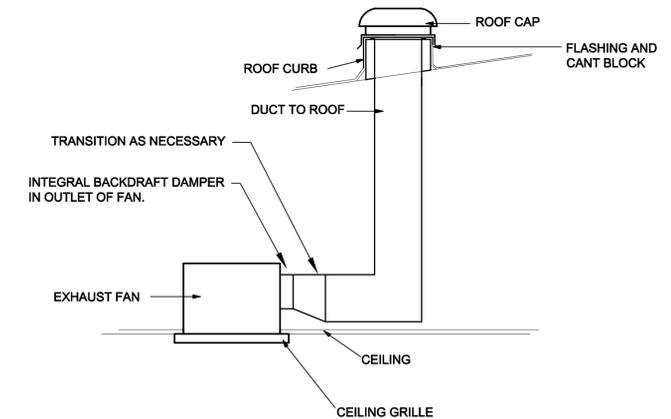


**A3 FURNACE PLENUM CONSTRUCTION DETAIL**  
SCALE: NONE

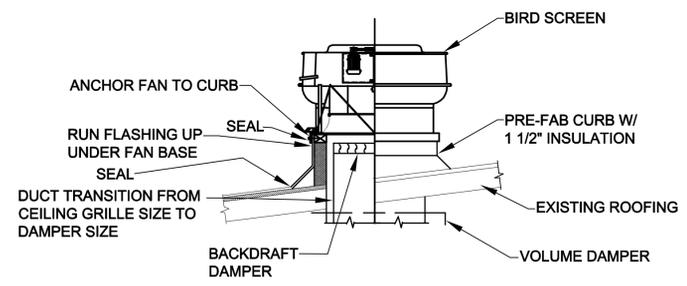


**A4 DUCT STRAP HANGER DETAIL**  
SCALE: NONE

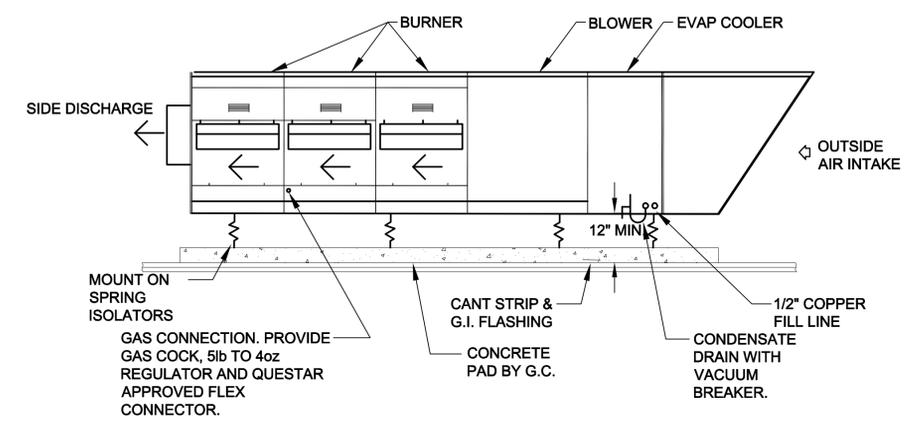
**NOTE:**  
 BACKDRAFT DAMPER MAY BE IN ROOF CAP FOR SINGLE FAN INSTALLATION ONLY



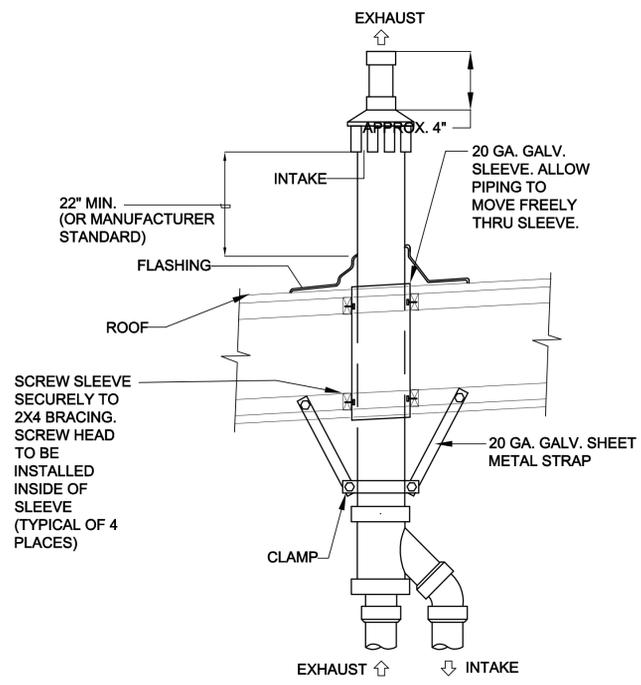
**C2 CEILING EXHAUST FAN DETAIL**  
 SCALE: NONE



**C4 ROOF MOUNTED EXHAUST FAN DETAIL**  
 SCALE: NONE



**A2 MAKE-UP AIR UNIT WITH EVAPORATIVE COOLING MOUNTED TO CONCRETE DETAIL**  
 SCALE: NONE



**A4 CONCENTRIC ROOF TERMINATION DETAIL**  
 SCALE: NONE



703 east 1700 south  
 salt lake city, utah 84105  
 ph: 801.466.8818  
 fx: 801.466.4411  
 ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
 Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:

**B MECHANICAL DETAILS**

REVISIONS  
 MARK DATE DESCRIPTION

ISSUE DATA  
 ISSUE DATE: APRIL 2009  
 ISSUE TYPE: STAFF  
 DRAWN BY: WP  
 CHECKED BY: WP  
 CAD FILE NAME:  
 DFCM PROJECT # 07332480  
 CONTRACT #  
 COPYRIGHT:

SHEET NUMBER:

**ME-503**

SHEET OF



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B MECHANICAL  
SCHEDULES**

REVISIONS

MARK DATE DESCRIPTION

ISSUE DATE

ISSUE DATE: APRIL 2009

ISSUE TYPE:

DRAWN BY: STAFF

CHECKED BY: WP

CAD FILE NAME:

DFCM PROJECT # 07332480

CONTRACT #

COPYRIGHT:

SHEET NUMBER:

**ME-601**

SHEET OF

EXHAUST FAN SCHEDULE						
SYMBOL	SERVES	MIN. S.C.F.M.	STATIC PRESSURE IN. W.G.	MOTOR	WEIGHT LBS.	COMMENTS
				V/Ø/Hz		
EF 1	JANITOR	50	0.25	35 WATTS 115/1Ø/60	13	COOK GC-120
EF 2	WOMENS RESTROOM 115	140	0.25	90 WATTS 115/1Ø/60	17	COOK GC-160
EF 3	MENS RESTROOM 117	350	0.25	184 WATTS 115/1Ø/60	35	COOK GC-620
EF 4	KITCHEN GREASE HOOD	2750	1.25	1 HP 208/3Ø/60	123	COOK 180-VCR-HP

- NOTES:
- VERIFY MOTOR VOLTAGES WITH THE ELECTRICAL DRAWINGS BEFORE ORDERING MOTORIZED EQUIPMENT AND CONTROLS. MOTOR NAME PLATE VOLTAGE SHALL BE NEMA STANDARD 200 VOLT, FOR 208 VOLT, THREE PHASE SYSTEM AND SHALL BE NEMA STANDARD 230 VOLT FOR 240 VOLT THREE PHASE OR SINGLE PHASE SYSTEM. STARTER HEATERS INSTALLED SHALL BE COORDINATED WITH THE NAME PLATE DATA.
  - SEE SPECIFICATIONS FOR CONTROLS.
  - INTERLOCK WITH MAKE-UP AIR UNIT MA-1.

DIFFUSER SCHEDULE									
SYMBOL	MAX CFM	NECK SIZE	NOMINAL SIZE	CEILING MODULE	BLOW	PATTERN	AIR DIST./SIDE		COMMENTS
							A (%)	B (%)	
D-1 CFM	120	6"Ø	9x9	LAY-IN	4-WAY	▲ B A	25	25	TITUS TDC
D-2 CFM	340	12"Ø	12x12	LAY-IN	4-WAY	▲ B A	25	25	TITUS TDC
D-3 CFM	420	12"Ø	15x15	LAY-IN	4-WAY	▲ B A	25	25	TITUS TDC
D-4 CFM	445	14"Ø	15x15	LAY-IN	4-WAY	▲ B A	25	25	TITUS TDC
D-5 CFM	700	16"Ø	18x18	LAY-IN	3-WAY	▲ B A	38	31	TITUS TDC

AIR COOLED CONDENSING UNIT SCHEDULE									
SYMBOL	MIN SIZE (TONS)	RLA (EACH)	LRA (EACH)	SEER / EER	MCA	MOCP	MANUF. & MODEL #	SCHEDULE NOTES	
CU 1	3	10	88	13 SEER	13.9	20	CARRIER 24ABR 036	1,2,3,4,5	
CU 2	10	37.8	239	10.4 EER	50.3	60	CARRIER 38ARZ 012	1,2,3,4,5	

1. REFRIGERANT PURON.  
2. AT DESIGN CONDITIONS AND 95° F EAT.  
3. CONDENSING UNIT SYMBOLS CORRESPOND WITH FURNACE SYMBOLS, EXCEPT AS NOTED.  
4. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.  
5. ELECTRIC SERVICE: 208/3Ø/60HZ

REGISTER, LOUVER & GRILLE SCHEDULE							
SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING MODULE	COMMENTS
R-1	CEILING	RA	320	12x12	10"Ø	LAY-IN	TITUS 355Z
R-2	CEILING	RA	420	12x12	12"Ø	LAY-IN	TITUS 355Z
R-3	CEILING	RA	460	14x14	14x8	LAY-IN	TITUS 355Z
R-4	CEILING	RA	1000	18x18	18x10	LAY-IN	TITUS 355Z
TG-1	CEILING	T.A.	320	12x12	12x8	LAY-IN	TITUS 355Z
PH-1	PENTHOUSE	F.A.	2.2 sq. ft. FREE AREA	18x18x15.5	NA	NA	-

REGISTER, LOUVER AND DIFFUSER SCHEDULE NOTES:

- MAXIMUM NC=20 @ MAXIMUM CFM NOTED.
- MODEL NUMBERS LISTED ARE TITUS. SEE SPECIFICATIONS FOR OTHER APPROVED MANUFACTURERS.
- FINISH SHALL BE STANDARD WHITE BAKED ENAMEL.
- BAKED ENAMEL FINISH WITH COLOR AS DIRECTED BY ARCHITECT.
- PROVIDE ALUMINUM BIRD SCREENS.
- FOR APPROVED MANUFACTURERS AND MODEL NUMBERS SEE SPECIFICATIONS.
- CEILING MODULE SIZE FOR LAY-IN CEILING IS 24x24.
- FRAME SHALL BE SIMILAR TO TITUS #3 FRAME.

COOLING COIL SCHEDULE							
SYMBOL	MIN. REQUIRED CAPACITY		COND. ENT. EVAP.		CFM	MANUF. & MODEL #	SCHEDULE NOTES
	TOT. MBH	SEN. MBH	DB °F	WB °F			
CC 1	42	32	95°	65°	1200	CK5A036	1,2,3
CC 2	63	49	95°	65°	1995	CNRVP6024	1,2,3
CC 3	63	49	95°	65°	1995	CNRVP6024	1,2,3

1. COMPLETE WITH FACTORY COIL BOX AND COIL.  
2. MANUFACTURER NUMBER LISTED ARE CARRIER.  
3. CAPACITIES SHOWN ARE FOR SINGLE COILS.

FURNACE SCHEDULE									
SYMBOL	MIN. REQUIRED INPUT BTU/HR 1ST STAGE	COOLING CFM	HEATING CFM	EXT. STATIC PRESSURE IN. W.G.	MOTOR			MANUFACTURER AND MODEL #	SCHEDULE NOTES
					V - Ø - Hz	MIN. HP	SPEED		
F 1	80,000	1200	1200	.08	15-1-60	1/3	4	CARRIER 58MXA80-12	1,2,3,4,5
F 2	120,000	1985	1885	.08	15-1-60	3/4	4	CARRIER 58MXA120-20	1,2,3,4,5
F 3	120,000	1985	1885	.08	15-1-60	3/4	4	CARRIER 58MXA120-20	1,2,3,4,5

1. SEA LEVEL RATING.  
2. FURNACE SYMBOLS CORRESPOND WITH CONDENSING UNIT AND COOLING COIL SYMBOLS.  
3. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.  
4. PROVIDE CONCENTRIC VENT KIT.  
5. MAY VARY ACCORDING TO MANUFACTURER.  
6. PROVIDE TWINING KIT.

MAKE-UP AIR UNIT SCHEDULE										
SYMBOL	OUTPUT MBH	CFM	F.S.P. IN. W.C.	ENT. AIR TEMP.	AIR TEMP. RISE	MOTOR				MANUFACTURER & MODEL NUMBER
						VOLT	Hz	Ø	HP	
MA 1	240	3000	0.75	0	77	208	60	3	1.5	ARES MODEL 300

- CONDITIONS AT ALTITUDE
- WITH EVAPORATIVE COOLING
- INTERLOCK WITH EXHAUST FAN EF-4.

D

C

B

A

D

C

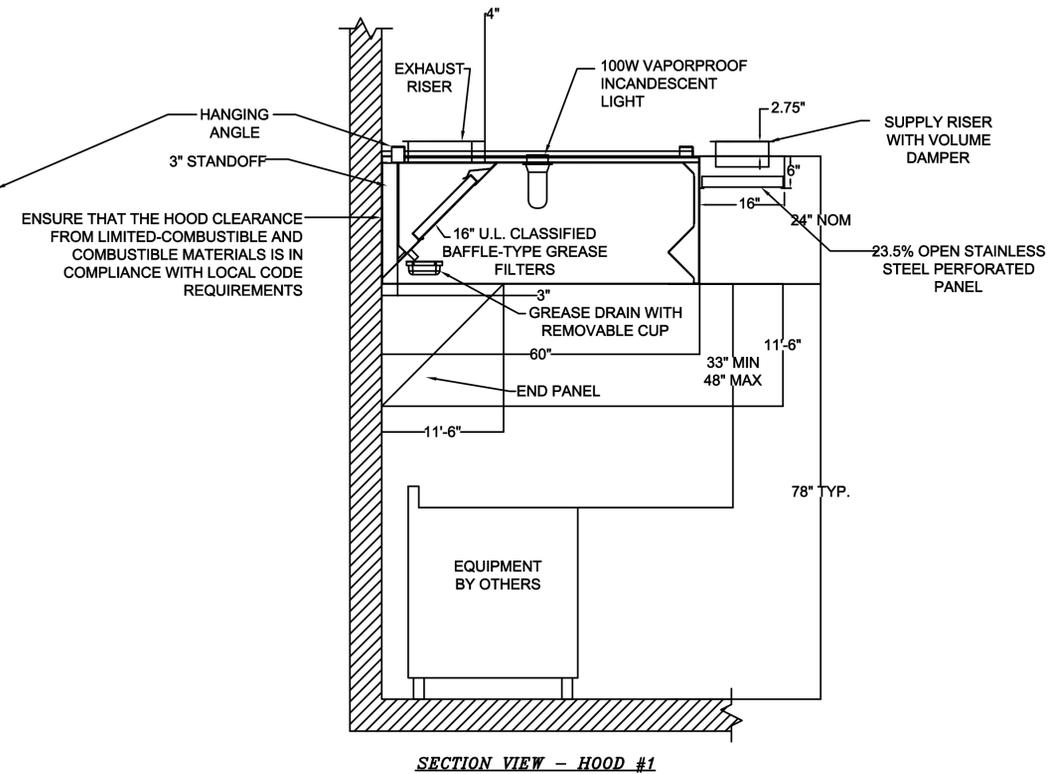
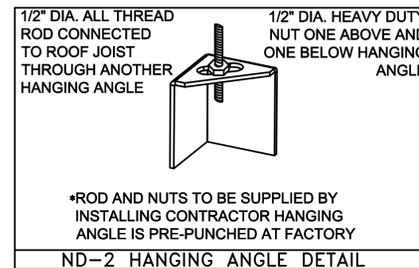
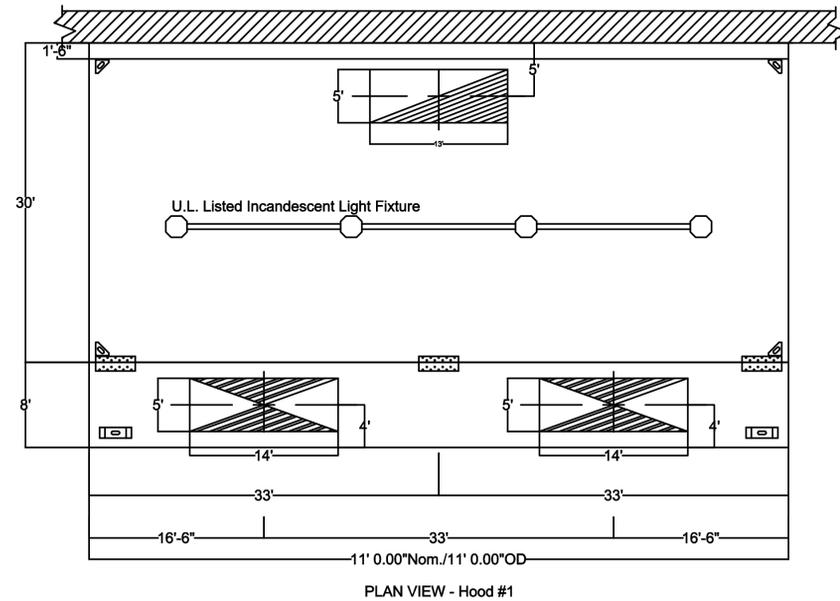
B

A

# KITCHEN HOOD SCHEDULE

TAG	MODEL	LENGTH	MAX COOKING TEMP	EXHAUST PLENUM				TOTAL SUP. CFM	SUPPLY PLENUM				HOOD CONSTRUCTION	HOOD CONFIG.		FILTER(S)				LIGHTS			FIRE SYSTEM	HOOD WEIGHT	NOTES						
				TOTAL EXH CFM	RISER(S)				POS	LENGTH	WIDTH	HEIGHT		RISER(S)				END TO END	ROW	TYPE	QTY.	HEIGHT				LENGTH	QTY.	TYPE	WIRE GUARD		
					WIDTH	LENG.	CFM							S.P.	WIDTH	LENG.	CFM													S.P.	
KH-1	CAPTIVE AIRE 6024 ND-2-PSP-F	11' - 0"	600°	2750	10"	26"	2750	-0.522"	2200	FRONT	132"	16"	6"	10"	28"	1100	0.158"	430 SS WHERE EXPOSED	ALONE	ALONE	SS BAFFLE WITH HANDLES	2	16"	16"	4	INCANDESCENT LIGHT FIXT	NO	ANSUL	707 LBS	1,2,3,4	

1. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
2. BACKSPLASH 80" HIGH X 132" LONG. 430 SS.
3. FIELD WRAPPER 18" HIGH. FRONT, LEFT, RIGHT.
4. QUARTER END PANELS 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH. 430 SS.



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com



PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**B MECHANICAL  
SCHEDULES**

REVISIONS  
MARK DATE DESCRIPTION

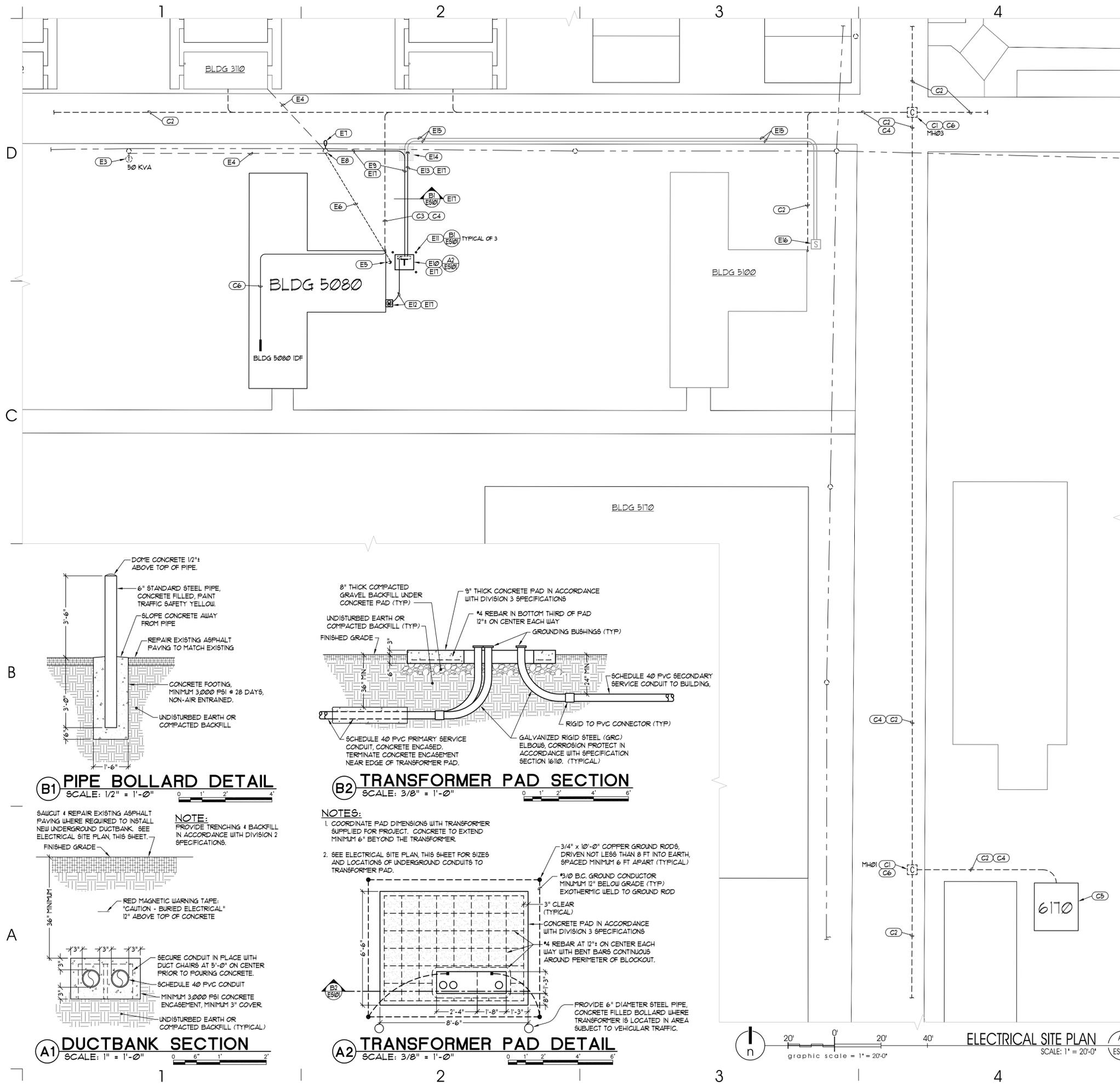
ISSUE DATA

ISSUE DATE: APRIL 2009  
ISSUE TYPE:  
DRAWN BY: STAFF  
CHECKED BY: WP  
CAD FILE NAME:  
DFCM PROJECT # 07332480  
CONTRACT #  
COPYRIGHT:

SHEET NUMBER:

**ME-602**

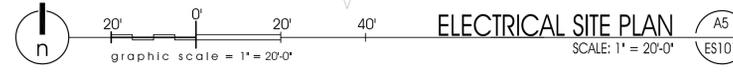
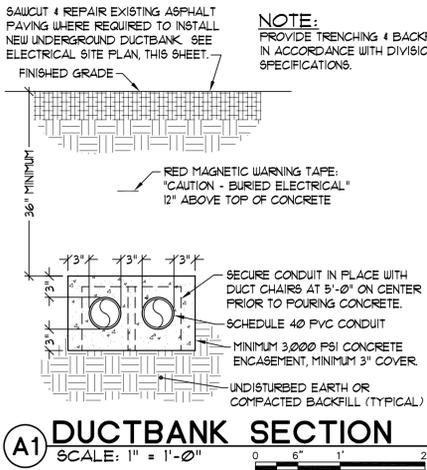
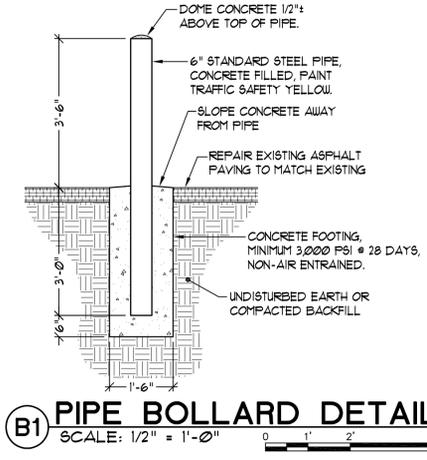
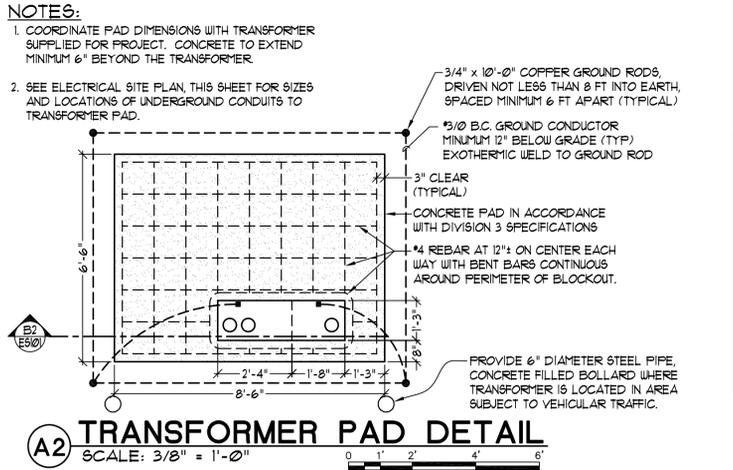
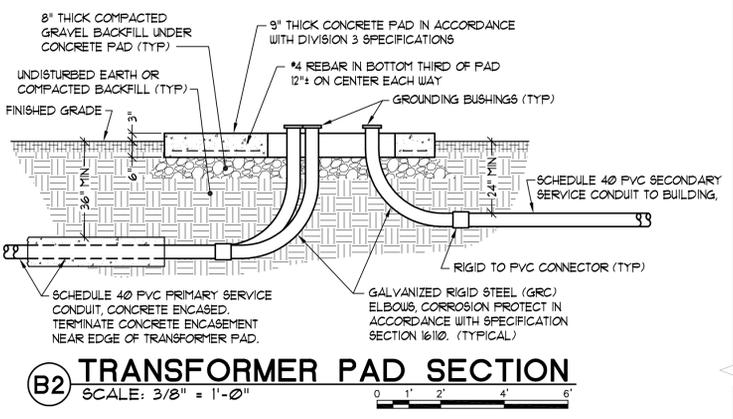
SHEET OF



- GENERAL ELECTRICAL NOTES:**  
FOR SHEET ES101 ONLY
- LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, CONDUCTORS, CONDUITS, ETC. ARE BASED ON FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
  - BURY ALL UNDERGROUND SECONDARY AND COMMUNICATION CONDUITS MINIMUM 24" BELOW FINISH GRADE.
  - ENCASE ALL UNDERGROUND PRIMARY CONDUITS IN MINIMUM 3" OF CONCRETE AND BURY MINIMUM 36" BELOW FINISH GRADE TO TOP OF CONCRETE ENCASUREMENT.
  - PROVIDE RED MAGNETIC WARNING TAPE STATING "CAUTION - BURIED ELECTRICAL" 12" INCHES ABOVE ALL UNDERGROUND CONDUIT.
  - USE GALVANIZED RIGID STEEL CONDUIT (GRC) FOR ALL CONDUIT THROUGH GRADE AND BENDS GREATER THAN 45° IN PVC CONDUIT RUNS. CORROSION PROTECT GRC CONDUIT IN ACCORDANCE WITH SPECIFICATION SECTION 16110.
  - PROVIDE MINIMUM 36" RADIUS GRC ELBOWS FOR NEW ELECTRICAL AND TELEPHONE SERVICE CONDUITS.
  - PROVIDE 1/4" NYLON FULL ROPE IN NEW ELECTRICAL AND TELEPHONE SERVICE CONDUITS.
  - COORDINATE ELECTRICAL SITE WORK WITH ARCHITECTURAL SITE PLAN, SHEET AS101, GENERAL CONTRACTOR, AND MECHANICAL CONTRACTOR. INSTALL UNDERGROUND CONDUITS SUCH THAT CONDUITS WILL NOT BE DAMAGED BY SUBSEQUENT INSTALLATION OF OTHER UNDERGROUND UTILITIES.
  - COORDINATE INSTALLATION OF NEW ELECTRICAL SERVICE AND METERING WITH OWNER PRIOR TO BEGINNING WORK.
  - COORDINATE INSTALLATION OF NEW TELEPHONE SERVICE WITH OWNER PRIOR TO BEGINNING WORK.
  - POWER OUTAGES TO EXISTING BUILDINGS WILL NOT BE ALLOWED EXCEPT AS DIRECTED BY OWNER. SUBMIT WRITTEN REQUESTS FOR POWER OUTAGES TO THE OWNER MINIMUM SEVEN (7) DAYS PRIOR TO ANY PROPOSED POWER OUTAGES. DO NOT TAKE ANY POWER OUTAGES WITHOUT OWNER'S PERMISSION.

- ELECTRICAL KEYED NOTES:**  
FOR SHEET ES101 ONLY
- (E1) EXISTING POWER POLE TO REMAIN.
  - (E2) EXISTING 12.47/1200 VOLT, 3 PHASE, 4 WIRE, #2 AC8R, OVERHEAD PRIMARY POWER LINE TO REMAIN.
  - (E3) EXISTING POLE MOUNTED TRANSFORMER TO REMAIN.
  - (E4) EXISTING OVERHEAD SECONDARY ELECTRICAL SERVICE TO EXISTING BUILDING(S) TO REMAIN.
  - (E5) REMOVE EXISTING 120/240 V, 1Ø, SERVICE MAST AND METERMAN AT BUILDING 5080 COMPLETE.
  - (E6) REMOVE EXISTING TRIPLEX ALUMINUM OVERHEAD SERVICE CABLE FROM BUILDING 5080 TO EXISTING POWER POLE. MODIFY CABLE CONNECTION AT EXISTING POLE AS REQUIRED TO MAINTAIN ELECTRICAL SERVICE TO BUILDING 310 AND EXISTING STREET LIGHT.
  - (E7) EXISTING STREET LIGHT TO REMAIN.
  - (E8) NEW CONDUIT RISER, CROSSARM, FUSED CUTOUPS, AND LIGHTNING ARRESTORS ON EXISTING POWER POLE. SEE POWER RISER DIAGRAM, SHEET E-601.
  - (E9) NEW 3 # 15 KV SHIELDED, 1 # 2 THIN GND, 3" PVC, CONCRETE ENCASED UNDERGROUND.
  - (E10) NEW PAD MOUNTED DISTRIBUTION TRANSFORMER ON NEW CONCRETE PAD.
  - (E11) NEW PIPE BOLLARDS TO PROTECT TRANSFORMER FROM VEHICULAR DAMAGE.
  - (E12) NEW UNDERGROUND SECONDARY ELECTRICAL SERVICE AND METERMAN BREAKER TO BUILDING 5080.
  - (E13) NEW 3" PVC UNDERGROUND SPARE CONDUIT, CONCRETE ENCASED. TERMINATE NEAR STREET AS INDICATED.
  - (E14) OMIT CONCRETE ENCASUREMENT FOR UNDERGROUND PRIMARY CONDUITS AT TERMINATION OF SPARE CONDUIT TO ALLOW EXTENSION OF CONDUIT TO FUTURE PAD MOUNTED FAULT INTERRUPTER SWITCH. PROVIDE IMPORTED SAND BACKFILL TO MINIMUM 12" ABOVE CONDUITS. PROVIDE 36" LONG #4 REBAR IN EACH CORNER OF THE CONCRETE ENCASUREMENT FOR CONNECTION TO FUTURE CONCRETE ENCASUREMENT.
  - (E15) TWO 3" CONDUIT, CONCRETE ENCASED, UNDERGROUND, TO BE INSTALLED UNDER A SEPARATE CONSTRUCTION CONTRACT.
  - (E16) PAD MOUNTED FAULT INTERRUPTER SWITCH TO BE INSTALLED UNDER A SEPARATE CONSTRUCTION CONTRACT.
  - (E17) SAWCUT AND REMOVE EXISTING ASPHALT PAVING TO INSTALL NEW UNDERGROUND CONDUIT, TRANSFORMER, AND PIPE BOLLARDS. REPAIR AS REQUIRED TO MATCH EXISTING CONDITIONS.

- COMMUNICATIONS KEYED NOTES:**  
FOR SHEET ES101 ONLY
- (C1) EXISTING UNDERGROUND COMMUNICATIONS MANHOLE TO REMAIN.
  - (C2) EXISTING UNDERGROUND COMMUNICATIONS DUCTBANK TO REMAIN.
  - (C3) EXISTING 4" PVC UNDERGROUND COMMUNICATION CONDUIT STUBBED TO CORNER OF BUILDING 5080. EXTEND CONDUIT TO NEW TELEPHONE TERMINAL BOARD. SEE NEW ELECTRICAL PLAN, SHEET E-102.
  - (C4) PROVIDE NEW 25 PAIR TELEPHONE CABLE AND 6 STRAND FIBER OPTIC CABLE CONTINUE FROM BUILDING 5080 IDF TO IDF IN BUILDING 6110. INSTALL NEW CABLES IN EXISTING 4" PVC UNDERGROUND DUCTBANK. FIELD COORDINATE AVAILABLE DUCTBANK CONDUITS WITH OWNER.
  - (C5) EXISTING MDF LOCATED IN BUILDING 6110. PROVIDE NEW 100 PAIR LIGHTING PROTECTION MODULE FOR TERMINATION OF NEW TELEPHONE CABLES. PROVIDE NEW 12 STRAND RACK MOUNT LIU FOR TERMINATION OF NEW FIBER CABLES.
  - (C6) LEAVE 20 FT MAINTENANCE LOOP OF CABLE IN EACH EXISTING MANHOLE.
  - (C7) INSTALL COMMUNICATION CABLES IN NEW 4" IMC OR GRC CONDUIT THROUGH BUILDING.



ARCHITECT PROJECT # 0781

**ajc architects**

703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

CONSULTANT

**ELECTRICAL**  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:

**ELECTRICAL SITE PLAN AND DETAILS**

REVISIONS

MARK	DATE	DESCRIPTION
------	------	-------------

ISSUE DATA

ISSUE DATE: APRIL, 2009  
ISSUE TYPE: CD'S  
DRAWN BY: W.B.G.  
CHECKED BY: R.G.K.  
CAD FILE NAME: 0310ES101.dwg  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

**ES101**

SHEET 1 OF 7 ELECT

**EQUIPMENT DEMOLITION KEYED NOTES:**

FOR SHEET ED101 ONLY

- (E1) REMOVE EXISTING RECEPTACLE AND WIRING. ABANDON EXISTING FLUSH OUTLET BOX AND CONCEALED CONDUIT IN PLACE OR REMOVE AS REQUIRED FOR INSTALLATION OF NEW MAKE-UP AIR UNIT DUCTWORK. SEE MECHANICAL AND ARCHITECTURAL PLANS.
- (E2) REMOVE EXISTING SURFACE MOUNTED RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E3) REMOVE EXISTING RECEPTACLES, CONDUIT, WIRING BOXES, ETC., FROM EXISTING COUNTER TO BE REMOVED.
- (E4) REMOVE HARDWARE ELECTRICAL CONNECTION TO EXISTING COFFEE MAKER TO BE REMOVED.
- (E5) REMOVE EXISTING SURFACE MOUNTED JUNCTION BOX, CONDUIT, WIRING, BOXES, ETC.
- (E6) REMOVE EXISTING SURFACE MOUNTED 50 AMP, 240 VOLT RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E7) REMOVE EXISTING FLUSH CEILING MOUNTED RECEPTACLE, CONDUIT, WIRING, BOXES, ETC.
- (E8) REMOVE EXISTING JUNCTION BOX, CONDUIT, WIRING, ETC., AND HARDWARE CONNECTION TO EXISTING 3 DOOR FREEZER TO BE REMOVED.
- (E9) REMOVE ELECTRICAL SERVICE TO EXISTING HOOD EXHAUST FAN ON ROOF INCLUDING 30 AMPERE, 120 VOLT, DISCONNECT SWITCH, CONDUIT, WIRING, BOXES, ETC.
- (E10) REMOVE ELECTRICAL SERVICE TO EXISTING EVAPORATIVE COOLER ON ROOF INCLUDING CONDUIT, WIRING, BOXES, ETC.
- (E11) REMOVE EXISTING SURFACE MOUNTED EVAPORATIVE COOLER CONTROL SWITCH, CONDUIT, WIRING, BOXES, ETC.
- (E12) REMOVE ELECTRICAL SERVICE TO EXISTING GAS FIRED UNIT HEATER AND THERMOSTAT TO BE REMOVED INCLUDING CONDUIT, WIRING, BOXES, ETC.
- (E13) REMOVE EXISTING FLUSH DISCONNECT ENCLOSURE USED AS JUNCTION BOXES INCLUDING ALL WIRING. ABANDON EXISTING CONCEALED CONDUITS IN PLACE.
- (E14) REMOVE EXISTING 200 AMPERE, 120/240 VOLT, 1 PHASE LOAD CENTER INCLUDING 2 #10 AL, 1 #2 AL NEUTRAL, 1 #6 GND, 1-1/4" CONDUIT FROM PANEL TO EXISTING METER MAIN ON EXTERIOR OF BUILDING.
- (E15) REMOVE EXISTING 200 AMPERE, 120/240 VOLT, 1 PHASE METER MAIN PANEL COMBINATION WITH 150 AMPERE MAIN BREAKER, 2" GRC SERVICE MAST, AND OVERHEAD TRIPLEX CONDUCTORS COMPLETE TO EXISTING POLE MOUNT TRANSFORMER. SEE ELECTRICAL SITE PLAN, SHEET ES101, FOR LOCATION OF EXISTING TRANSFORMER.

**TELEPHONE DEMOLITION KEYED NOTES:**

FOR SHEET ED101 ONLY

- (T1) REMOVE EXISTING SURFACE MOUNTED TELEPHONE JACK INCLUDING ALL EXPOSED CABLE.
- (T2) REMOVE EXISTING TELEPHONE CABLE EXPOSED ON EXTERIOR OF BUILDING COMPLETE TO EXISTING POWER POLE.

**GENERAL NOTES:**

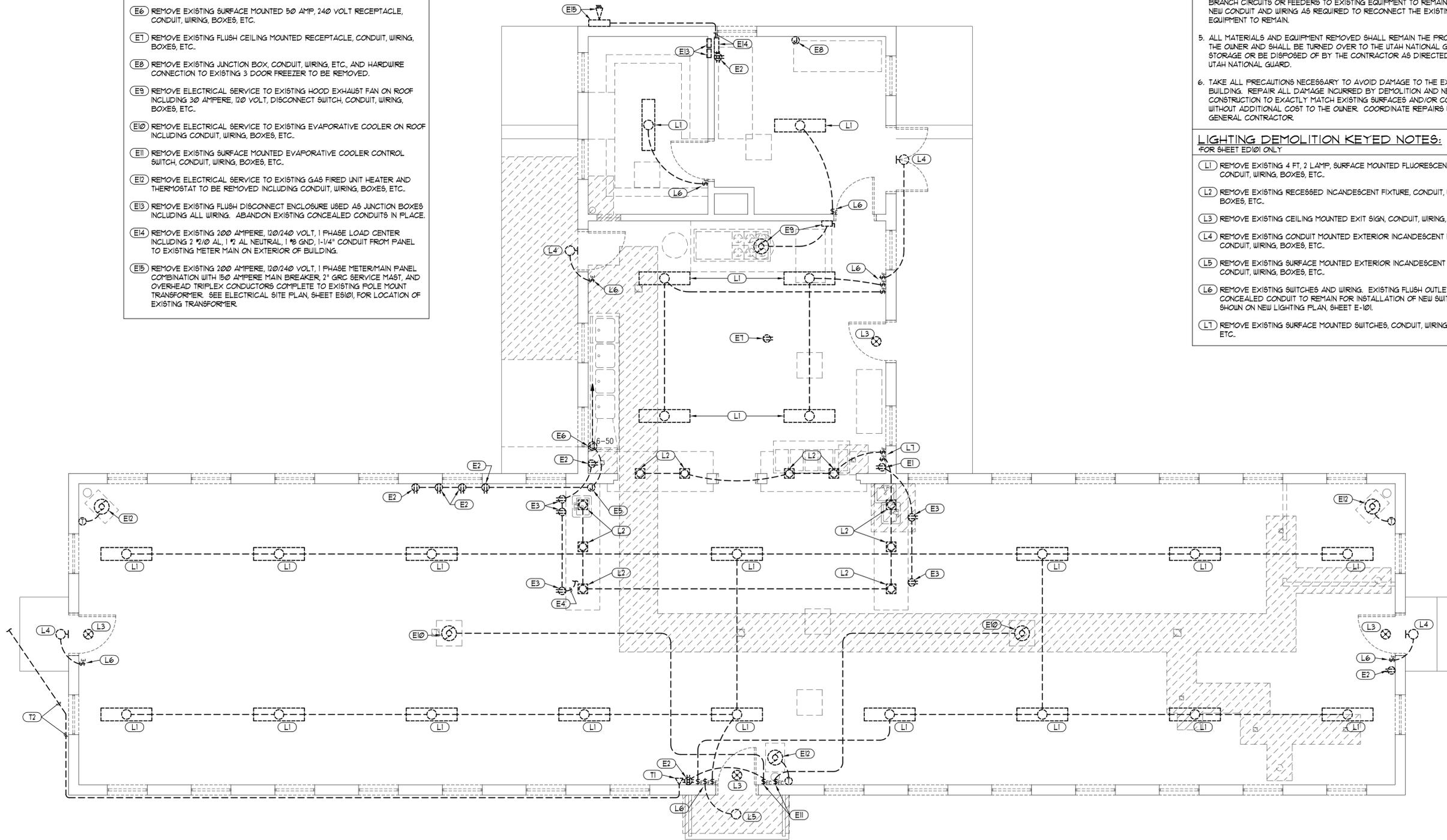
FOR SHEET ED101 ONLY

1. LOCATIONS OF EXISTING ELECTRICAL EQUIPMENT, LIGHTING, SWITCHES, OUTLETS, BRANCH CIRCUIT WIRING, ETC., ARE BASED ON FIELD OBSERVATION OF EXISTING SURFACE CONDITIONS. FIELD VERIFY EXISTING LOCATIONS AND CIRCUITING AND IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WHICH MAY ADVERSELY AFFECT COMPLETION OF THE WORK.
2. DEMOLITION PLAN IS SHOWN FOR CONTRACTORS REFERENCE ONLY. FIELD VERIFY QUANTITIES AND LOCATIONS OF ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED. REMOVE ALL ABANDONED CONDUIT WIRING, JUNCTION BOXES, OUTLETS, LIGHT FIXTURES, EQUIPMENT, ETC. WHETHER SPECIFICALLY SHOWN OR NOT.
3. EXISTING RACEWAYS WHICH ARE NOT ACCESSIBLE FOR REMOVAL MAY BE ABANDONED IN PLACE WITH ALL WIRING REMOVED.
4. WHERE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT INTERRUPTS EXISTING BRANCH CIRCUITS OR FEEDERS TO EXISTING EQUIPMENT TO REMAIN, PROVIDE NEW CONDUIT AND WIRING AS REQUIRED TO RECONNECT THE EXISTING EQUIPMENT TO REMAIN.
5. ALL MATERIALS AND EQUIPMENT REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE TURNED OVER TO THE UTAH NATIONAL GUARD FOR STORAGE OR BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE UTAH NATIONAL GUARD.
6. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.

**LIGHTING DEMOLITION KEYED NOTES:**

FOR SHEET ED101 ONLY

- (L1) REMOVE EXISTING 4 FT, 2 LAMP, SURFACE MOUNTED FLUORESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L2) REMOVE EXISTING RECESSED INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L3) REMOVE EXISTING CEILING MOUNTED EXIT SIGN, CONDUIT, WIRING, BOXES, ETC.
- (L4) REMOVE EXISTING CONDUIT MOUNTED EXTERIOR INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L5) REMOVE EXISTING SURFACE MOUNTED EXTERIOR INCANDESCENT FIXTURE, CONDUIT, WIRING, BOXES, ETC.
- (L6) REMOVE EXISTING SWITCHES AND WIRING. EXISTING FLUSH OUTLET BOX AND CONCEALED CONDUIT TO REMAIN FOR INSTALLATION OF NEW SWITCHES AS SHOWN ON NEW LIGHTING PLAN, SHEET E-101.
- (L7) REMOVE EXISTING SURFACE MOUNTED SWITCHES, CONDUIT, WIRING, BOXES, ETC.

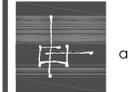


**ELECTRICAL DEMOLITION PLAN**

SCALE: 1/4" = 1'-0"

A5  
ED101

ARCHITECT PROJECT # 0781



ajc architects

703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

CONSULTANT

ELECTRICAL  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**ELECTRICAL  
DEMOLITION PLAN**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE:	APRIL, 2009
ISSUE TYPE:	CD'S
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
CAD FILE NAME:	0310E-101.dwg
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

SHEET NUMBER:

**ED101**

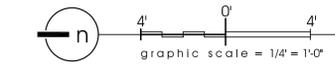
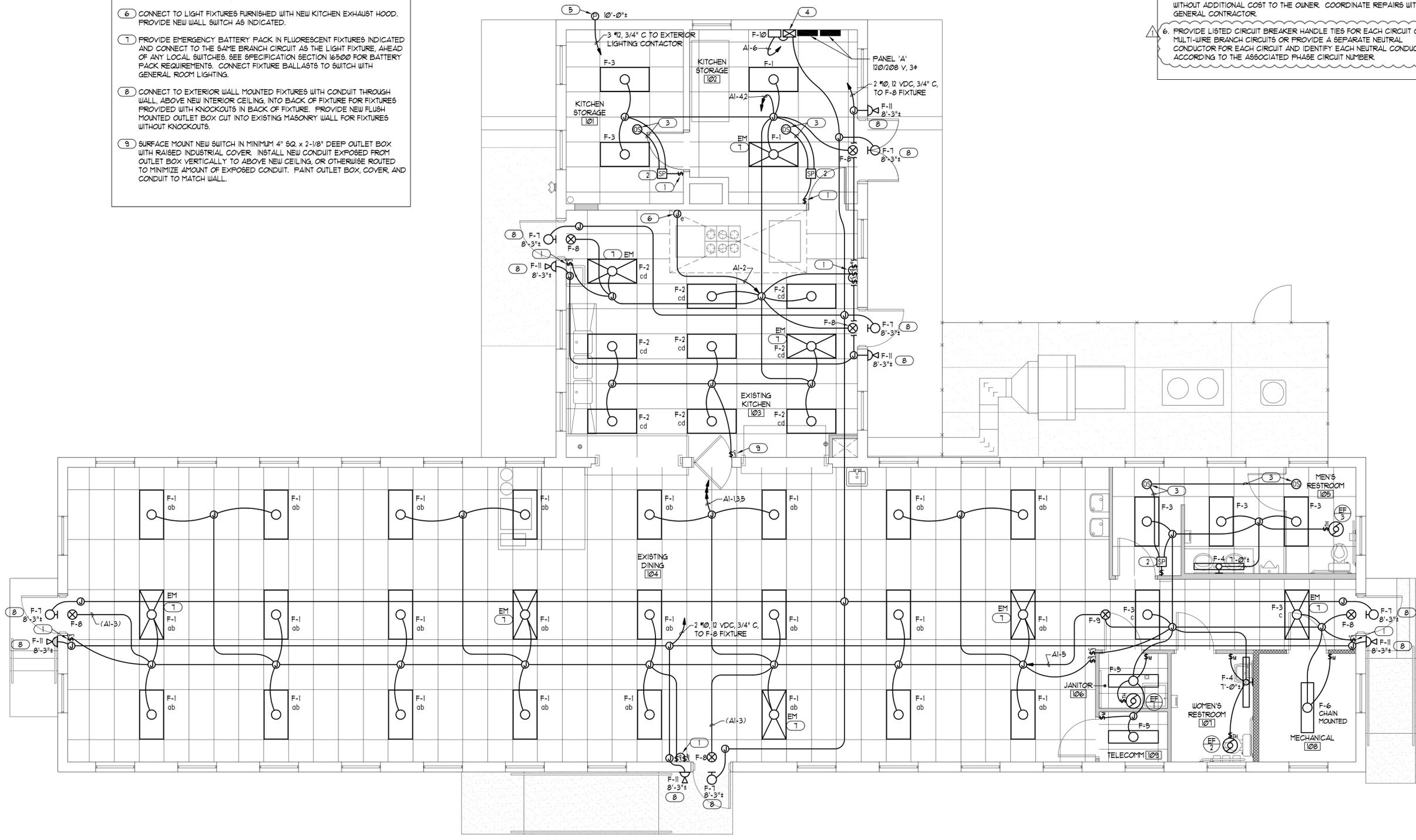
SHEET 2 OF 7 ELECT

**NEW LIGHTING KEYED NOTES:**  
FOR SHEET E-101 ONLY

- 1 PROVIDE NEW SWITCH WITH COVERPLATE IN EXISTING FLUSH OUTLET BOX. PROVIDE NEW WIRING TO CONTROL NEW LIGHTING AS SHOWN.
- 2 NEW OCCUPANCY SENSOR SWITCHPACK, INSTALL IN ACCESSIBLE CEILING SPACE. CONNECT ROOM SWITCH(ES) TO THE LOAD SIDE OF THE SWITCHPACK FOR MANUAL 'OFF' CONTROL OF THE ROOM LIGHTING.
- 3 NEW CEILING MOUNTED OCCUPANCY SENSOR. INSTALL CONTROL WIRING IN MINIMUM 1/2" CONDUIT FROM THE SENSOR TO THE SWITCHPACK. DO NOT INSTALL ANY OTHER WIRING IN THE SAME RACEWAY WITH THE CLASS 2 CONTROL WIRING.
- 4 NEW EXTERIOR LIGHTING CONTROL CABINET. SEE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM, SHEET E-601.
- 5 NEW PHOTOCELL TO CONTROL EXTERIOR LIGHTING. SEE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM, SHEET E-601.
- 6 CONNECT TO LIGHT FIXTURES FURNISHED WITH NEW KITCHEN EXHAUST HOOD. PROVIDE NEW WALL SWITCH AS INDICATED.
- 7 PROVIDE EMERGENCY BATTERY PACK IN FLUORESCENT FIXTURES INDICATED AND CONNECT TO THE SAME BRANCH CIRCUIT AS THE LIGHT FIXTURE, AHEAD OF ANY LOCAL SWITCHES. SEE SPECIFICATION SECTION 165000 FOR BATTERY PACK REQUIREMENTS. CONNECT FIXTURE BALLASTS TO SWITCH WITH GENERAL ROOM LIGHTING.
- 8 CONNECT TO EXTERIOR WALL MOUNTED FIXTURES WITH CONDUIT THROUGH WALL, ABOVE NEW INTERIOR CEILING, INTO BACK OF FIXTURE FOR FIXTURES PROVIDED WITH KNOCKOUTS IN BACK OF FIXTURE. PROVIDE NEW FLUSH MOUNTED OUTLET BOX CUT INTO EXISTING MASONRY WALL FOR FIXTURES WITHOUT KNOCKOUTS.
- 9 SURFACE MOUNT NEW SWITCH IN MINIMUM 4" SQ. x 2-1/8" DEEP OUTLET BOX WITH RAISED INDUSTRIAL COVER. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, COVER, AND CONDUIT TO MATCH WALL.

**GENERAL NOTES:**  
FOR SHEET E-101 ONLY

1. COORDINATE FIXTURE LOCATIONS WITH ARCHITECT'S REFLECTED CEILING PLAN SHEET AE103, CEILING CONTRACTOR, BUILDING STRUCTURE, MECHANICAL EQUIPMENT & DUCTWORK LOCATIONS, ETC.
2. CONNECT F-1 & F-2 FIXTURES WITH TWO OUTSIDE LAMPS CONTROLLED BY ONE SWITCH AND INSIDE LAMP(S) CONTROLLED BY SECOND SWITCH WHERE INDICATED.
3. CONNECT EXIT LIGHT FIXTURES F-1 TO THE SAME BRANCH CIRCUIT AS THE GENERAL ROOM LIGHTING, AHEAD OF ANY LOCAL SWITCHES.
4. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, USE THAT SIZE WIRE THROUGHOUT THE BRANCH CIRCUIT, INCLUDING SWITCH LEGS, ETC.
5. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
6. PROVIDE LISTED CIRCUIT BREAKER HANDLE TIES FOR EACH CIRCUIT OF MULTI-WIRE BRANCH CIRCUITS OR PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT AND IDENTIFY EACH NEUTRAL CONDUCTOR ACCORDING TO THE ASSOCIATED PHASE CIRCUIT NUMBER.



**NEW ELECTRICAL LIGHTING PLAN**  
SCALE: 1/4" = 1'-0"  
A5  
E-101



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

CONSULTANT  
ELECTRICAL  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:  
**NEW ELECTRICAL LIGHTING PLAN**

REVISIONS

MARK	DATE	DESCRIPTION
△	4/29/09	CODE REVIEW

ISSUE DATA

ISSUE DATE:	APRIL, 2009
ISSUE TYPE:	CD'S
DRAWN BY:	W.B.G.
CHECKED BY:	R.G.K.
CAD FILE NAME:	0310E-101.dwg
DFCM PROJECT #	07332480
CONTRACT #	087184
COPYRIGHT:	DFCM

SHEET NUMBER:

**E-101**  
SHEET 3 OF 7 ELECT

**ELECTRICAL KEYED NOTES:**

FOR SHEET E-102 ONLY

- 1 SURFACE MOUNT NEW RECEPTACLE IN MINIMUM 4" SQ. x 2-1/8" DEEP OUTLET BOX WITH RAISED INDUSTRIAL COVER. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, COVER, AND CONDUIT TO MATCH WALL.
- 2 INSTALL NEW RECEPTACLES IN NEW COUNTER FURNISHED BY UTAH NATIONAL GUARD. CONNECT TO SURFACE OUTLET OR JUNCTION BOX ON WALL WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT. COORDINATE REQUIREMENTS WITH ARCHITECT AND UTAH NATIONAL GUARD.
- 3 MAGNETIC MOTOR STARTER FOR HOOD EXHAUST FAN EF/4 AND POWER RELAYS IN SEPARATE ENCLOSURE. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 4 HOOD FIRE SUPPRESSION SYSTEM CONTROL BOX WITH ISOLATED CONTACTS FOR CONTROL OF GAS VALVE AND SHUNT TRIP CIRCUIT BREAKERS. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 5 CONNECT TO ELECTRICALLY OPERATED GAS VALVE. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.
- 6 PROVIDE NEW #2 GROUND, 1" C, BOND TO NEW FIRE SPRINKLER RISER AND EXISTING WATER MAIN, AND EXTEND TO GROUND BUS IN NEW METER/MAIN BREAKER.
- 7 PROVIDE 2 NEW 3/4" x 10'-0" COPPER GROUND RODS SPACED MINIMUM 6'-0" APART. CONNECT TO GROUND BUS IN NEW METER/MAIN WITH #2 BARE COPPER GROUND CONDUCTOR. PROVIDE 3/4" PVC CONDUIT FROM METER/MAIN ENCLOSURE TO BELOW GRADE TO PROTECT THE GROUND CONDUCTOR. SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVING AS REQUIRED TO INSTALL GROUND RODS AND GROUND CONDUCTOR.
- 8 CONNECT TO GAS FIRED WATER HEATER CONTROLS. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 9 CONNECT TO HOT WATER CIRCULATING PUMP. PROVIDE MANUAL MOTOR STARTING SWITCH WITH THERMAL OVERLOAD PROTECTION. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 10 CONNECT TO EXISTING FREEZER WITH NEW #2/3 W/GND, HARD USAGE TYPE '50' CORD AND PLUG TO MATE WITH RECEPTACLE.

**GENERAL NOTES:**

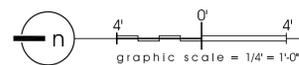
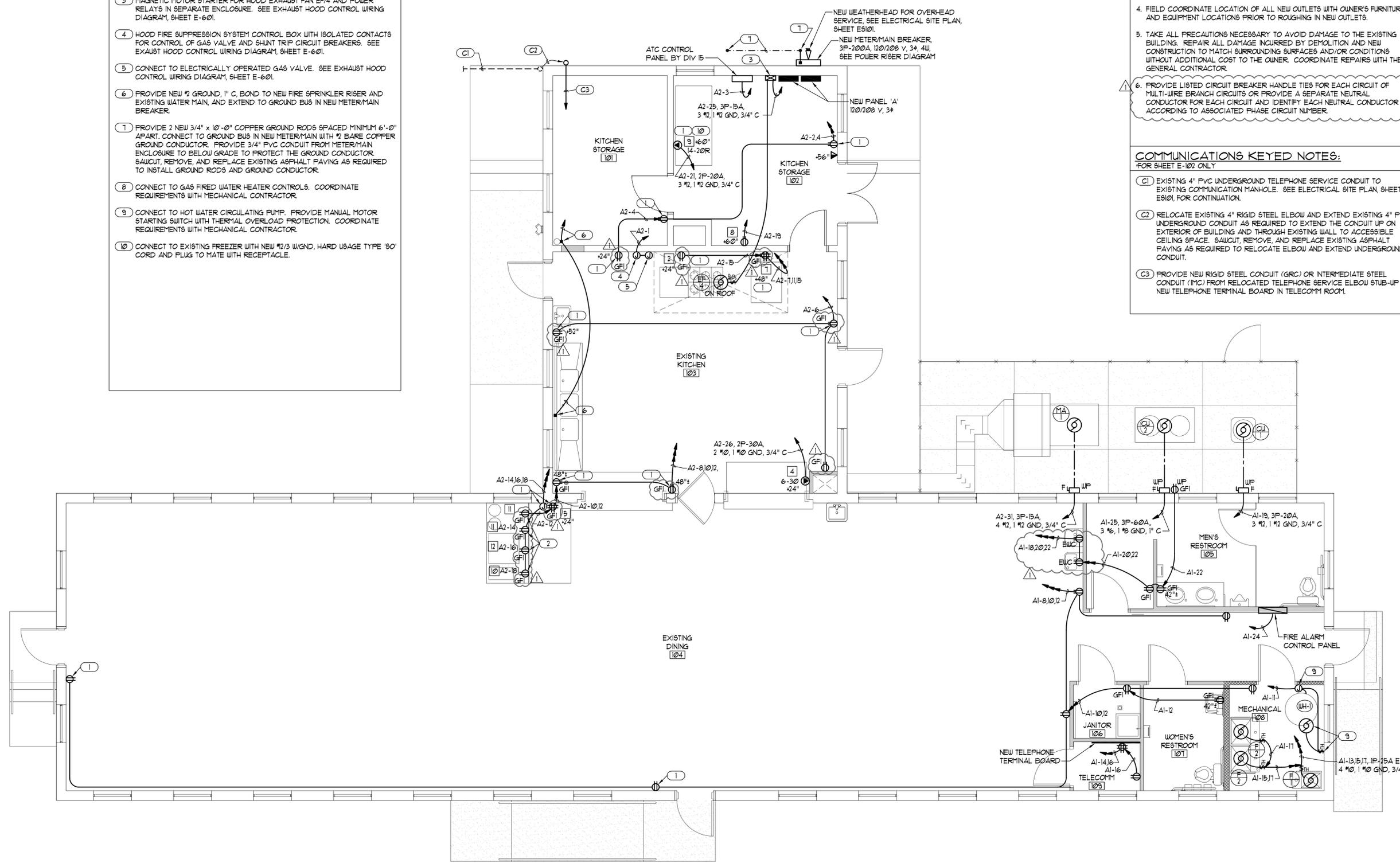
FOR SHEET E-102 ONLY

1. COORDINATE MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR.
2. VERIFY ELECTRICAL LOAD, VOLTAGE, CONNECTION REQUIREMENTS, AND LOCATION OF NEW FOOD SERVICE EQUIPMENT WITH EQUIPMENT SUPPLIER AND/OR UTAH NATIONAL GUARD PRIOR TO ROUGHING IN RACEWAY SYSTEM FOR THE EQUIPMENT.
3. WHERE BRANCH CIRCUIT HOMERUNS INDICATE WIRE SIZES, THE BRANCH CIRCUIT SHALL BE THAT SIZE WIRE THROUGHOUT, INCLUDING SWITCH LEGS, ETC.
4. FIELD COORDINATE LOCATION OF ALL NEW OUTLETS WITH OWNER'S FURNITURE AND EQUIPMENT LOCATIONS PRIOR TO ROUGHING IN NEW OUTLETS.
5. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO MATCH SURROUNDING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.
6. PROVIDE LISTED CIRCUIT BREAKER HANDLE TIES FOR EACH CIRCUIT OF MULTI-WIRE BRANCH CIRCUITS OR PROVIDE A SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT AND IDENTIFY EACH NEUTRAL CONDUCTOR ACCORDING TO ASSOCIATED PHASE CIRCUIT NUMBER.

**COMMUNICATIONS KEYED NOTES:**

FOR SHEET E-102 ONLY

- (C1) EXISTING 4" PVC UNDERGROUND TELEPHONE SERVICE CONDUIT TO EXISTING COMMUNICATION MANHOLE. SEE ELECTRICAL SITE PLAN, SHEET E5101, FOR CONTINUATION.
- (C2) RELOCATE EXISTING 4" RIGID STEEL ELBOW AND EXTEND EXISTING 4" PVC UNDERGROUND CONDUIT AS REQUIRED TO EXTEND THE CONDUIT UP ON EXTERIOR OF BUILDING AND THROUGH EXISTING WALL TO ACCESSIBLE CEILING SPACE. SAWCUT, REMOVE, AND REPLACE EXISTING ASPHALT PAVING AS REQUIRED TO RELOCATE ELBOW AND EXTEND UNDERGROUND CONDUIT.
- (C3) PROVIDE NEW RIGID STEEL CONDUIT (GRC) OR INTERMEDIATE STEEL CONDUIT (MOC) FROM RELOCATED TELEPHONE SERVICE ELBOW STUB-UP TO NEW TELEPHONE TERMINAL BOARD IN TELECOMM ROOM.



**NEW ELECTRICAL EQUIPMENT PLAN**  
SCALE: 1/4" = 1'-0"



CONSULTANT  
ELECTRICAL  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

SHEET NAME:  
**NEW ELECTRICAL EQUIPMENT PLAN**

REVISIONS

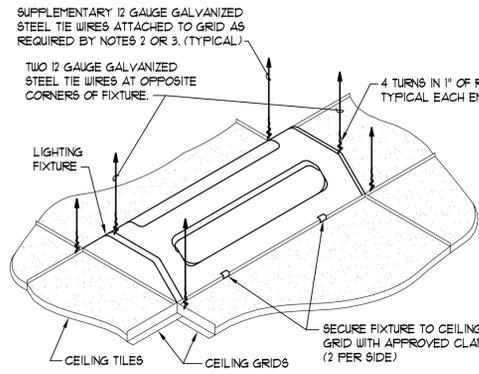
MARK	DATE	DESCRIPTION
△	4/29/09	CODE REVIEW

ISSUE DATA

ISSUE DATE: APRIL, 2009  
ISSUE TYPE: CD'S  
DRAWN BY: W.B.G.  
CHECKED BY: R.G.K.  
CAD FILE NAME: 0310E-101.dwg  
DFCM PROJECT #: 07332480  
CONTRACT #: 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

**E-102**  
SHEET 4 OF 7 ELECT



**FIXTURE SUPPORT NOTES:**

1. ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM. THE ATTACHMENT DEVICE SHALL HAVE A CAPACITY OF 100% OF THE LIGHTING FIXTURE WEIGHT ACTING ANY DIRECTION.
2. FOR INTERMEDIATE DUTY CEILING SYSTEM, PROVIDE A SUPPLEMENTARY 12 GAUGE HANGER ATTACHED TO THE GRID MEMBERS WITHIN 3" OF EACH CORNER OF EACH FIXTURE AS SHOWN ON DETAIL. TANDEM FIXTURES MAY UTILIZE COMMON WIRES.
3. FOR HEAVY DUTY CEILING SYSTEM, SUPPLEMENTARY HANGERS ARE NOT REQUIRED IF A 48" MODULAR HANGER WIRE PATTERN IS USED AND THE LIGHTING FIXTURE IS SUPPORTED FROM MAIN TEES. SUPPLEMENTARY 12 GAUGE HANGERS ARE REQUIRED WHERE THE FIXTURE IS SUPPORTED FROM CROSS TEES WITH LESS CARRYING CAPACITY THAN THE MAIN TEES.
4. LIGHTING FIXTURES WEIGHING LESS THAN 56 LBS. SHALL HAVE, IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, TWO 12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.
5. LIGHTING FIXTURES WEIGHING 56 LBS. OR MORE SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.
6. PENDANT HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE USING 9 GAUGE WIRES OR APPROVED ALTERNATE SUPPORT WITHOUT USING CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.

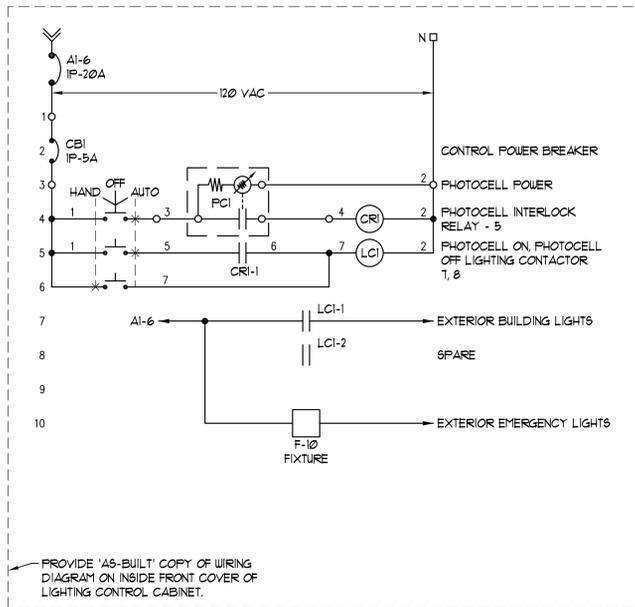
**TYPICAL LIGHTING FIXTURE SUPPORT DETAIL** (D2) (E-601)  
NOT TO SCALE

**EXTERIOR LIGHTING CONTROL EQUIPMENT:**

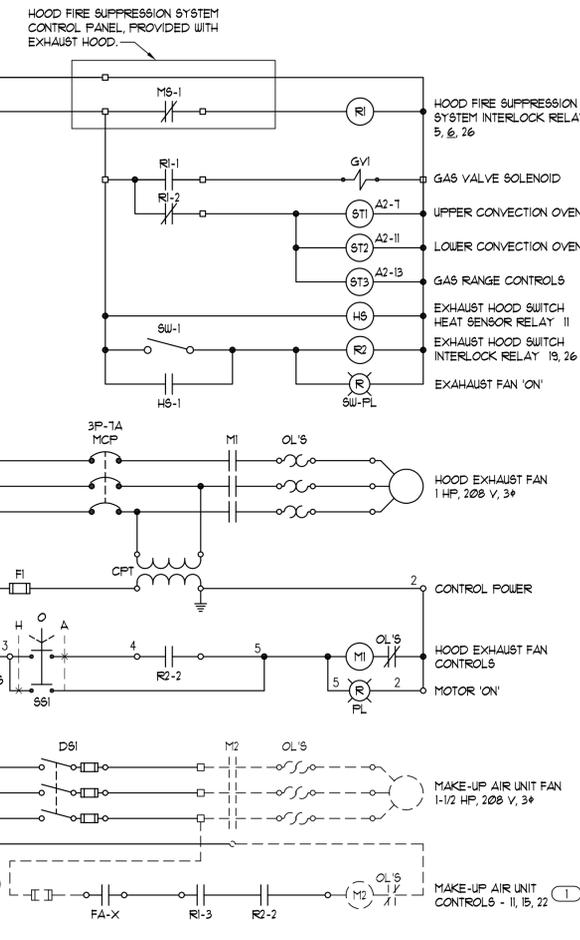
- CB1 CONTROL CIRCUIT BREAKER 120 VOLT, 5 AMP THERMAL MAGNETIC TRIP, RAIL MOUNTED; SQUARE D CLASS 9000, TYPE GCB90. INSTALL IN CABINET.
  - PCI PHOTOCELL, 2000 WATT, 120 VOLT, WITH SPST CONTACTS; TORK #101 OR EQUAL. INSTALL OUTSIDE FACING NORTH AND AWAY FROM LIGHT SOURCES.
  - CRI INDUSTRIAL CONTROL RELAY WITH 2 N.O. CONTACTS AND 120 VAC COIL; SQUARE D CLASS 8501, TYPE X020V02 OR EQUAL. INSTALL IN CABINET.
  - SS1 SELECTOR SWITCH, 3 POSITION, MAINTAINED CONTACT, 2 N.O. 4 2 N.C. CONTACTS; SQUARE D CLASS 9001, TYPE K543BH3 WITH 9001-KN360 "HAND-OFF-AUTO" ALUMINUM LEGEND PLATE. INSTALL IN COVER OF CABINET.
  - LCI LIGHTING CONTACTOR, ELECTRICALLY HELD, 2 POLE, 20 AMP, 120 VAC COIL; SQUARE D CLASS 8903, TYPE L020-V02 OR EQUAL. INSTALL IN CABINET.
- LIGHTING CONTROL CABINET, 12" W x 16" H x 6" D, NEMA 1 ENCLOSURE WITH HINGED FRONT COVER, FLUSH LATCH AND EQUIPMENT MOUNTING PANEL; WEGMAN NIC-12166 OR EQUAL.
- TERMINAL BLOCKS: 600 VOLT, FOR #12-18 CONDUCTORS, PROVIDE WITH MOUNTING RAIL, END BARRIERS, ETC., AS REQUIRED; SQUARE D CLASS 9000, TYPE GR6 OR EQUAL. INSTALL IN CABINET AS REQUIRED FOR TERMINATION OF ALL CONDUCTORS TO OUTSIDE OF CABINET.

**CONTROL NOTES:**

1. USE MINIMUM #4 STRANDED WIRE FOR ALL CONTROL CONDUCTORS. LABEL WIRE ACCORDING TO NUMBER ON CONTROL DIAGRAM. SEE SPECIFICATION SECTION 16195.
2. REFER TO ELECTRICAL PLANS FOR POWER WIRE SIZES.
3. PROVIDE ENGRAVED NAMEPLATE FOR "EXTERIOR LIGHTING CONTROL CABINET" IN ACCORDANCE WITH SPECIFICATION SECTION 16195. PROVIDE SELF-ADHESIVE LABEL TO INCLUDE CIRCUIT NUMBERS OF ALL CONTROL AND POWER CIRCUITS.
4. PROVIDE SELF-ADHESIVE LABELS TO IDENTIFY ALL CONTROL DEVICES ACCORDING TO WIRING DIAGRAM.
5. PROVIDE DEVICES AS SPECIFIED OR EQUAL OF ACCEPTABLE MANUFACTURERS LISTED IN SPECIFICATION SECTION 16480.



**EXTERIOR LIGHTING CONTROL WIRING DIAGRAM** (B2) (E-601)  
SCHEMATIC



**EXHAUST HOOD CONTROL WIRING DIAGRAM** (C5) (E-601)  
SCHEMATIC

**EXHAUST HOOD CONTROL EQUIPMENT:**

- MS-1 NORMALLY CLOSED DRY CONTACT IN HOOD FIRE SUPPRESSION SYSTEM CONTROL PANEL FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY ELECTRICAL CONTRACTOR.
- R1 POWER RELAY, ELECTRICALLY HELD WITH DPDT, 30 AMP, 300 VOLT CONTACTS AND 120 VAC COIL; SQUARE D CLASS 8501, TYPE C016V20 OR EQUAL. INSTALL IN 12" W x 12" H x 6" D, NEMA 1 ENCLOSURE WITH HINGED FRONT COVER, FLUSH LATCH AND EQUIPMENT MOUNTING PANEL; WEGMAN NIC-121206 OR EQUAL.
- GV1 ELECTRICALLY OPERATED GAS SOLENOID VALVE, FURNISHED BY PLUMBING CONTRACTOR, TO BE WIRED COMPLETE BY ELECTRICAL CONTRACTOR.
- STX SHUNT TRIP CIRCUIT BREAKER COIL FOR ELECTRICALLY OPERATED EQUIPMENT UNDER EXHAUST HOOD. SEE PANEL SCHEDULES.
- SU-1 MANUAL SWITCH FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR.
- H5 AUTOMATIC HEAT SENSOR FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR. HEAT SENSOR TO BE ACTIVATED BY HEAT FROM COOKING APPLIANCES FOR AUTOMATIC OPERATION OF THE HOOD EXHAUST FAN.
- SU-PL PILOT LIGHT FURNISHED WITH EXHAUST HOOD, TO BE WIRED COMPLETE BY CONTRACTOR.
- M1 COMBINATION MAGNETIC MOTOR STARTER, NEMA SIZE 0 FANR, WITH MCP DISCONNECT IN NEMA 1 CPT ENCLOSURE. SEE SPECIFICATION SECTION 16480. FURNISH COMPLETE WITH CONTROL.
- S61 TRANSFORMER "CPT"; HAND-OFF-AUTO SELECTOR SWITCH "S61"; RED "RUN" PILOT LIGHT "PL1"; 2 N.O. 4 PL1 2 N.C. AUXILIARY CONTACTS, AND THERMAL OVERLOAD RELAY.
- D51 FUSED SAFETY SWITCH, 3 POLE, 30 AMPERE, NEMA 3R ENCLOSURE, IN ACCORDANCE WITH SPECIFICATION SECTION 16440.
- M2 MAKE-UP AIR UNIT STARTER FURNISHED WITH MAKE-UP AIR UNIT. SEE MECHANICAL PLANS AND SPECIFICATIONS.
- FA-X FIRE ALARM SYSTEM FIRE SAFETY FUNCTION CONTROL RELAY FOR MAKE-UP AIR UNIT FAN SHUT DOWN. SEE FIRE ALARM PLAN, SHEET FA01.

**KEYED NOTES:**

1. MAKE-UP AIR UNIT WILL BE FURNISHED WITH FACTORY WIRED STARTER AND CONTROLS. SEE MECHANICAL PLANS AND SPECIFICATIONS. BASIC CONTROL (DASHED LINES) IS SHOWN FOR REFERENCE ONLY. SUBMIT COPY OF MAKE-UP AIR UNIT INSTALLATION WIRING DIAGRAM TO ENGINEER FOR RECOMMENDED MODIFICATIONS TO WIRING DIAGRAM IF NECESSARY.

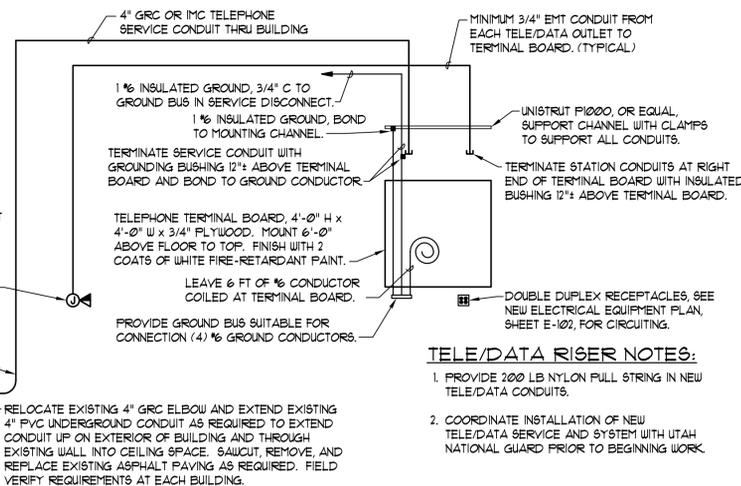
**GENERAL CONTROL NOTES:**

1. USE MINIMUM #4 STRANDED WIRE FOR ALL CONTROL CONDUCTORS. LABEL WIRE ACCORDING TO NUMBER ON CONTROL DIAGRAM. SEE SPEC. SECTION 16195.
2. REFER TO ELECTRICAL PLANS FOR POWER WIRE SIZES.
3. PROVIDE ENGRAVED NAMEPLATE FOR STARTER ENCLOSURES, "EXHAUST HOOD CONTROL CABINET", ETC. IN ACCORDANCE WITH SPECIFICATION SECTION 16195. PROVIDE SELF-ADHESIVE LABEL TO INCLUDE CIRCUIT NUMBERS OF ALL CONTROL AND POWER CIRCUITS.
4. PROVIDE SELF-ADHESIVE LABELS TO IDENTIFY ALL CONTROL DEVICES ACCORDING TO WIRING DIAGRAM.
5. PROVIDE DEVICES AS SPECIFIED OR EQUAL OF ACCEPTABLE MANUFACTURERS LISTED IN SPECIFICATION SECTION 16480.
6. PROVIDE "AS-BUILT" COPY OF WIRING DIAGRAM IN THE ENCLOSURE OF EACH APPROPRIATE STARTER AND/OR CONTROL CABINET.

**NOTE:**  
PROVIDE ALL TELE/DATA CABLES AND TERMINATIONS IN ACCORDANCE WITH SPECIFICATION SECTION 16140.

PROVIDE 4-1/16" SQ. x 2-1/8" DEEP OUTLET BOX WITH SINGLE GANG PLASTER RING AT EACH TELEPHONE/DATA OUTLET. SEE NEW ELECTRICAL EQUIPMENT PLAN, SHEET E-102, FOR QUANTITY AND LOCATION OF TELEPHONE/DATA OUTLETS.

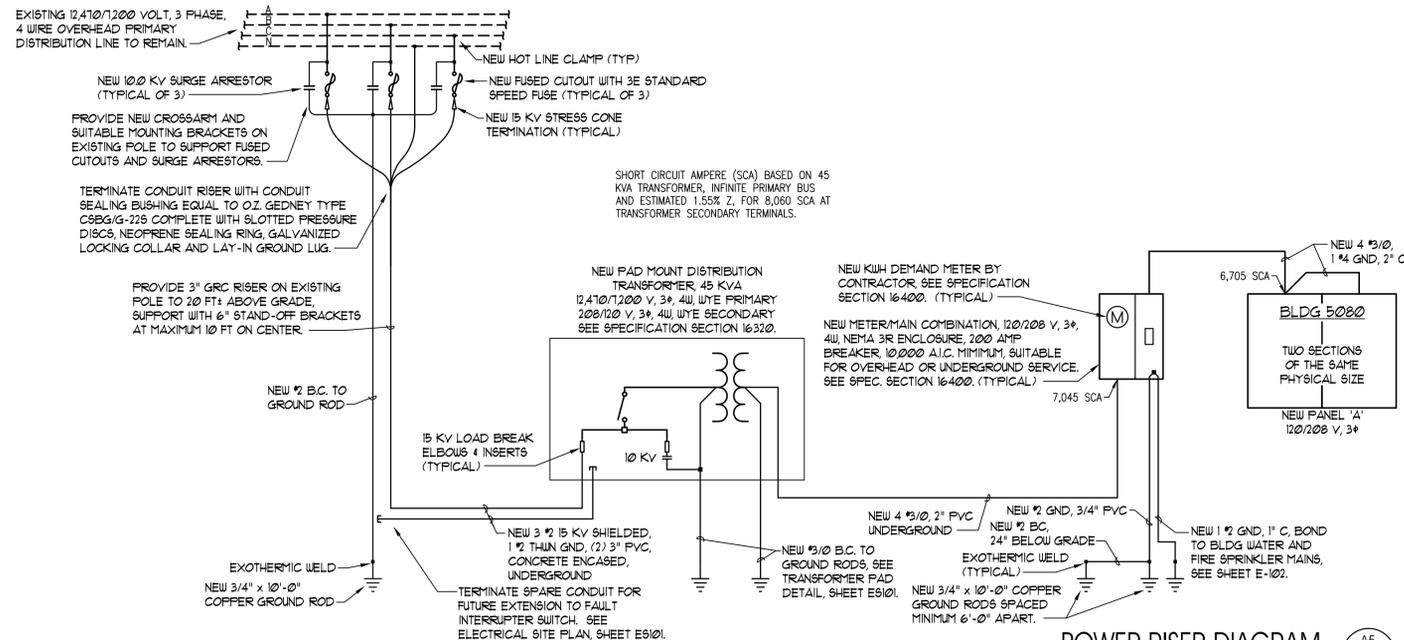
EXISTING 4" PVC UNDERGROUND TELEPHONE SERVICE CONDUIT TO EXISTING COMMUNICATIONS MANHOLE TO REMAIN.



**TELEPHONE/DATA CONDUIT RISER DIAGRAM** (A2) (E-601)  
SCHEMATIC

**TELE/DATA RISER NOTES:**

1. PROVIDE 200 LB NYLON PULL STRING IN NEW TELE/DATA CONDUITS.
2. COORDINATE INSTALLATION OF NEW TELE/DATA SERVICE AND SYSTEM WITH UTAH NATIONAL GUARD PRIOR TO BEGINNING WORK.



**POWER RISER DIAGRAM** (A5) (E-601)  
SCHEMATIC



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

CONSULTANT  
ELECTRICAL  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION

State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcm.utah.gov>

**CAMP WILLIAMS  
BUILDING 5080**

SHEET NAME:

**ELECTRICAL RISERS AND  
WIRING DIAGRAMS**

REVISIONS

MARK	DATE	DESCRIPTION

ISSUE DATA

ISSUE DATE: APRIL, 2009  
ISSUE TYPE: CD'S  
DRAWN BY: W.B.G.  
CHECKED BY: R.G.K.  
CAD FILE NAME: 0310E-601.dwg  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

SHEET NUMBER:

**E-601**

# SYMBOL LIST

SYMBOL	DESCRIPTION
	NEW CEILING MOUNTED FIXTURE
	NEW WALL MOUNTED FIXTURE
	NEW FLUORESCENT FIXTURE
	NEW FLUORESCENT FIXTURE WITH EMERGENCY LIGHTING BATTERY PACK
	NEW EXIT LIGHT WITH ARROW INDICATING DIRECTION OF EXIT
	NEW EMERGENCY LIGHTING UNIT INDICATING NUMBER OF LAMP HEADS
	NEW REMOTE EMERGENCY LIGHT FIXTURE INDICATING NUMBER OF LAMP HEADS
	EXISTING CEILING MOUNTED FIXTURE
	EXISTING WALL MOUNTED FIXTURE
	EXISTING FLUORESCENT FIXTURE
	EXISTING RECESSED FIXTURE
	EXISTING EXIT LIGHT
	FIXTURE WITH LETTER INDICATING CONTROLLING SWITCH
	SWITCH WITH LETTER INDICATING CONTROLLED FIXTURES
	NEW SINGLE POLE SWITCH
	NEW THREE WAY SWITCH
	NEW OCCUPANCY SENSOR WALL SWITCH
	NEW AREA OCCUPANCY SENSOR
	NEW OCCUPANCY SENSOR SWITCHPACK
	NEW PHOTOCELL
	EXISTING SINGLE POLE SWITCH
	NEW JUNCTION BOX
	EXISTING JUNCTION BOX
	NEW DUPLEX RECEPTACLE
	NEW DOUBLE DUPLEX RECEPTACLE
	NEW RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
	NEW RECEPTACLE FOR ELECTRIC WATER COOLER
	NEW SPECIAL PURPOSE RECEPTACLE INDICATING NEMA DESIGNATION
	EXISTING DUPLEX RECEPTACLE
	EXISTING DOUBLE DUPLEX RECEPTACLE
	NEW TELEPHONE/DATA OUTLET
	EXISTING TELEPHONE OUTLET
	NEW POWER PANELBOARD, 120/208 VOLT, 3 PHASE
	EXISTING POWER PANELBOARD, 120/240 VOLT, 1 PHASE
	NEW 3 PHASE, 4 WIRE HOMERUN INDICATING PANEL AND CIRCUIT NUMBERS
	NEW BRANCH CIRCUIT CONCEALED IN FLOOR WALL, OR CEILING
	NEW BRANCH CIRCUIT EXPOSED ON WALL OR CEILING
	EXISTING BRANCH CIRCUIT
	NEW MOTOR
	NEW DISCONNECT SWITCH, 'F' INDICATES FUSED, 'NF' INDICATES NON-FUSED
	NEW MAGNETIC MOTOR STARTER OR CONTROL PANEL
	NEW STARTER OR CONTROL PANEL WITH INTEGRAL DISCONNECT
	NEW MANUAL MOTOR STARTING SWITCH W/ THERMAL OVERLOAD PROTECTION
	EXISTING MOTOR
	EXISTING DISCONNECT SWITCH
	EXISTING EVAPORATIVE COOLER CONTROL SWITCH
	EXISTING THERMOSTAT
	MECHANICAL EQUIPMENT SCHEDULE SYMBOLS
	FIXTURE SCHEDULE SYMBOL
	KEYED NOTE SYMBOL
	DETAIL OR SECTION DESIGNATION BY SHEET COORDINATES
	SHEET ON WHICH DETAIL OR SECTION IS SHOWN
	INDICATES ITEM IN WEATHERPROOF (NEMA 3R MINIMUM) ENCLOSURE

# MECHANICAL EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	WATTS HP.	BREAKER	STARTERS FURNISH/INSTALL	SIZE	AUX. CONT.	LOCATION
EF 1	CEILING EXHAUST FAN	A1-5	120	1	35 WATTS	1P-20A	E E	\$TH	-	JANITOR 106
EF 2	CEILING EXHAUST FAN	A1-5	120	1	30 WATTS	1P-20A	E E	\$TH	-	WOMEN'S RESTROOM 107
EF 3	CEILING EXHAUST FAN	A1-5	120	1	184 WATTS	1P-20A	E E	\$TH	-	MEN'S RESTROOM 105
EF 4	GREASE HOOD EXHAUST FAN	A2-25	208	3	1 HP	3P-15A	E E	Ø	2 N.C.	ON ROOF KITCHEN 103
F 1	FURNACE	A1-13	120	1	1/2 HP	1P-20A	E E	\$TH	-	MECHANICAL 108
F 2	FURNACE	A1-15	120	1	1 HP	1P-30A	E E	\$TH	-	MECHANICAL 108
F 3	FURNACE	A1-17	120	1	1 HP	1P-30A	E E	\$TH	-	MECHANICAL 108
CU 1	AIR COOLED CONDENSING UNIT	A1-19	208	3	11.4 FLA	3P-20A	M M	M	-	OUTSIDE
CU 2	AIR COOLED CONDENSING UNIT	A1-25	208	3	40.8 AMPS	3P-60A	M M	M	-	OUTSIDE
MA 1	MAKE-UP AIR UNIT	A2-31	208	3	1-1/2 HP	3P-15A	M M	M	-	OUTSIDE
WH-1	GAS FIRED WATER HEATER (IGNITION CONTROLS)	A1-11	120	1	Ø1 AMP	1P-15A	M M	\$	-	MECHANICAL 108
WH-1	HOT WATER CIRCULATING PUMP	A1-11	120	1	1/6 HP	1P-15A	E E	\$TH	-	MECHANICAL 108

E = ELECTRICAL CONTRACTOR  
M = MECHANICAL CONTRACTOR

# FOOD SERVICE EQUIPMENT SCHEDULE

EQUIP. NO.	DESCRIPTION	CIRCUIT NUMBER	VOLTS	PHASE	LOAD	BREAKER	DEVICE	MNTG HEIGHT	REMARKS	NOTES	ROOM NO.
2	RANGE GRILLE	A2-15	120	1	3 AMP	1P-20A	Ø 5-20R	Ø24"	FUTURE ELECTRONIC IGNITION	1	103
4	HOT FOOD COUNTER	A2-26	208	1	5,000 W	2P-30A	Ø 6-30R	Ø24"	PROVIDE 1Ø CORD 4 PLUG	1, 2	103
5	COLD FOOD COUNTER	A2-10	120	1	VERIFY	1P-20A	Ø 5-20R	Ø8"	FURNISHED W/CORD 4 PLUG	1	104
7	DOUBLE CONVECTION OVEN	A2-711	120	1	9 FLA EA	1P-20A	Ø 5-20R	Ø48"	FURNISHED W/CORD 4 PLUG	1	103
8	3 DOOR REFRIGERATOR	A2-19	120	1	12 FLA	1P-20A	Ø 5-20R	Ø60"	FURNISHED W/CORD 4 PLUG	1	102
9	3 DOOR FREEZER	A2-21	120/208	1	10.5 FLA	2P-20A	Ø 14-20R	Ø60"	FIELD VERIFY CONNECTION	1	102
10	BREAD DISPENSER	A2-18	120	1	VERIFY	1P-20A	Ø 5-20R	Ø8"	FURNISHED W/CORD 4 PLUG	1	104
11	COFFEE POT (2)	A5-12,14	120	1	VERIFY	1P-20A	Ø 5-20R	Ø8"	FURNISHED W/CORD 4 PLUG	1	104
12	BEVERAGE DISPENSER	A5-16	120	1	2.5 FLA	1P-20A	Ø 5-20R	Ø8"	FURNISHED W/CORD 4 PLUG	1	104

## FOOD SERVICE EQUIPMENT SCHEDULE NOTES:

- VERIFY ELECTRICAL LOAD, VOLTAGE, CONNECTION REQUIREMENTS AND LOCATION OF ALL FOOD SERVICE EQUIPMENT WITH EQUIPMENT SUPPLIER AND/OR UTAH NATIONAL GUARD PRIOR TO ROUGHING IN RACEWAY SYSTEM FOR THE EQUIPMENT.
- MAKE CONNECTION TO PORTABLE EQUIPMENT WITH HARD USAGE TYPE 'SO' CORD AND PLUG TO MATE WITH RECEPTACLE.
- MAKE CONNECTIONS TO HARD-WIRED EQUIPMENT WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT ARRANGED TO BE MINIMUM 12" ABOVE FLOOR.
- SEQUENTIAL FOOD SERVICE EQUIPMENT NUMBERS NOT INCLUDED IN ABOVE SCHEDULE DO NOT REQUIRE ELECTRIC POWER. SEE ARCHITECT'S FOOD SERVICE PLAN AND SCHEDULE, SHEET 601/0, FOR ADDITIONAL INFORMATION.

PANEL 'A1'											
DOUBLE PANEL - SECTION I											
10,000 A. I. C. FULLY RATED											
TYPE 'AQ', BOLT-ON BREAKERS											
120/208 VOLT, 3 PHASE, 4 WIRE											
SURFACE MOUNTED											
CIR. NO.	BRKR. P. AMPS	DESCRIPTION	NO. LTS	NO. REC	CIRCUIT LOAD	PHASE A	PHASE B	PHASE C	CIRCUIT LOAD	NO. LTS	NO. REC
1	20	LTS. DINING	24		1,440	1,940			500	14	16
3		LTS. DINING	26		860		2,000		1,140	16	7
5		LTS. HALL, RESTRMS, JAN	11		870		1,490		620	7	7
7		SPARE				900			900	5	5
9	1	20 SPARE					360		360	2	2
11	1	15 WATER HTR & CIRC PUMP			610			790	180	1	1
13	1	20 FURNACE F/1, MECH RM			1,125	1,485			360	2	2
15	1	30 FURNACE F/2, MECH RM			1,840		2,020		180	1	1
17	1	30 FURNACE F/3, MECH RM			1,840			2,200	360	2	2
19	3	20 COND. UNIT CU/1, OUTSIDE			1,370	1,730			360	2	2
21	-	-			1,370		1,550		180	1	1
23	-	-			1,370			1,870	500		
25	3	60 COND. UNIT CU/2, OUTSIDE			4,895	4,895					
27	-	-			4,895		4,895				
29	-	-			4,895			4,895			
31	1	SPACE									
33											
35											
37											
39											
41	1	SPACE									
						10,950	10,825	11,245			
TOTAL CONNECTED LOAD:						33,020 VA	92 AMPS	FEEDER: 4 #3/0, 1 #4 GND, 2' C			
CALCULATED FEEDER DEMAND, NEC 220:						37,994 VA	105 AMPS				

PANEL 'A2'											
DOUBLE PANEL - SECTION II											
10,000 A. I. C. FULLY RATED											
TYPE 'AQ', BOLT-ON BREAKERS											
120/208 VOLT, 3 PHASE, 4 WIRE											
SURFACE MOUNTED											
CIR. NO.	BRKR. P. AMPS	DESCRIPTION	NO. LTS	NO. REC	CIRCUIT LOAD	PHASE A	PHASE B	PHASE C	CIRCUIT LOAD	NO. LTS	NO. REC
1	1	15 HOOD SUPPRESSION SYSTEM			360				360	2	2
3	1	20 ATC CONTROL PANEL			500	860			180	1	1
5	1	20 SPARE					680		540	3	3
7	1	20K UPPER CONVECTION OVEN			1,080	1,440			360	2	2
9	-	- (SHUNT TRIP MODULE)					1,500		1,500	2	2
11	1	20K LOWER CONVECTION OVEN			1,080			2,580	1,500	1	1
13	-	- (SHUNT TRIP MODULE)				1,500			1,500	1	1
15	1	20K RANGE CONTROLS			360		1,860		1,500	1	1
17	-	- (SHUNT TRIP MODULE)						1,500	1,500	1	1
19	1	20 REC. REFRIG., STOR.			1,440	1,440			1,500	1	1
21	2	20 REC., FREEZER, STORAGE			1,405		1,405		2,500	1	1
23	-	-			1,405			1,405			
25	3	15 HOOD EXHAUST FAN EF/4			575	3,075			2,500	1	1
27	-	-			575		3,075		2,500		
29	-	-			575			575			
31	3	15 MAKE-UP AIR UNIT MA/1			830	830					
33	-	-			830		830				
35	-	-			830			830			
37	1	SPACE									
39	1	SPACE									
41	1	SPACE									
						9,145	9,350	7,430			
TOTAL CONNECTED LOADS:						25,925 VA	72 AMPS	FEEDER: 4 #3/0, 1 #4 GND, 2' C			
CALCULATED FEEDER DEMAND, NEC 220:						58,945 VA	164 AMPS				
						57,424 VA	159 AMPS				

NOTES  
\* SHUNT TRIP CIRCUIT BREAKER WITH 120 VAC COIL. INTERLOCK WITH HOOD FIRE SUPPRESSION SYSTEM. SEE EXHAUST HOOD CONTROL WIRING DIAGRAM, SHEET E-601.

# FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	CATALOG NO.	DESCRIPTION	LAMP
F-1	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	S1824-332G-FSA12.125-EPU 2SPG322-FS261-UNV-1/21-EB10R XP2GV1332-UNV-H1-RS 2SP8G332-A12125-MVOLT1-GE810RS G125-332-SD-SSDR-UE 2GCC8-332-A125-UNV-ER82	2' x 4', 3 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLAT STEEL DOOR, 0.125" THICK ACRYLIC PRISMATIC LENS AND ONE 1 LAMP AND ONE 2 LAMP, 120-277 VOLT, <10% THD, RAPID START ELECTRONIC BALLASTS WIRED FOR INBOARD/OUTBOARD LAMP OPERATION.	3F32T8/TL835
F-2	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	S1824-332G-FSA12C(INV)-EPU 2SPG322-FS261-UNV-1/21-EB10R XP2GV1332-UNV-H1-RS 2SP8G332-A12125-MVOLT1-GE810RS G125-332-SD-SSDR-UE 2GCC8-332-ACT140INV-UNV-ER82	SAME AS F-1 EXCEPT WITH KSH 'ACRI-TUF', OR EQUAL, 0.140" THICK, PATTERN 12. HIGH IMPACT ACRYLIC LENS WITH PRISMS INVERTED TO INSIDE OF FIXTURE.	3F32T8/TL835
F-3	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	4PS24-232G-FSA12.125-EPU 2SPG322-FS261-UNV-1/2-EB10R XP2GV1232-UNV-H1-RS 2SP8G332-A12125-MVOLT1-GE810RS G125-332-SD-SSDR-UE 2GCC8-232-A125-UNV-ER81	2' x 4', 2 LAMP, LAY-IN FLUORESCENT FIXTURE WITH FLAT STEEL DOOR, 0.125" THICK ACRYLIC PRISMATIC LENS AND ONE 2 LAMP, 120-277 VOLT, <10% THD, RAPID START ELECTRONIC BALLAST.	2F32T8/TL835
F-4	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	WAL4-2UD32-EPU CB232-W-UNV-1/2-EB10R CWB4-232-UNV-H1-RS WP-232-MVOLT1-GE810RS W1410-232-SSDR-UE WS-232A-UNV-ER81	4 FT, 2 LAMP WALL MOUNTED FLUORESCENT FIXTURE WITH INJECTION MOLDED ACRYLIC PRISMATIC LENS, UP & DOWNLIGHT, WHITE FINISH AND ONE 2 LAMP, 120-277 VOLT, <10% THD, RAPID START ELECTRONIC BALLAST.	2F32T8/TL835
F-5	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	WC4-232-EPU CAN232-UNV-1/2-EB10R W44A-232-UNV-H1-RS LB232-MVOLT1-GE810RS W1410-232-SSDR-UE WS-232A-UNV-ER81	4 FT, 2 LAMP SURFACE MOUNTED 'WRAPAROUND' FLUORESCENT FIXTURE WITH ACRYLIC PRISMATIC LENS AND ONE 2 LAMP, 120-277 VOLT, <10% THD, RAPID START ELECTRONIC BALLAST.	2F32T8/TL835
F-6	COLUMBIA DAY-BRITE LIGHTLIER LITHONTA LSI METALUX	CSR4-232-U-EP/CSTH 1FD232-PP-UNV-1/2-EB10R/FL-116 KW4A-232-UNV-H1-RS E.JSA-232-MVOLT1-GE810RS/THUN F20-232-SSDR-U-LE/CH-12 IA-232-UNV-ER8/ATG-4-U	4 FT, 2 LAMP CHAIN MOUNTED INDUSTRIAL FLUORESCENT STRIPLIGHT WITH APERTURED REFLECTOR FOR UPLIGHT AND ONE 2 LAMP, 120-277 VOLT, <10% THD, RAPID START ELECTRONIC BALLAST.	2F32T8/TL835
F-7	ALUMILITE KIRLIN PRESOLITE	YRW-1-70MH-120-1F-BZ 300-D-W-L-70MH-120-BRP SR40919-37-43/70MH-89-WB/3' HC8W07-CR-120V-BZ	WALL MOUNTED METAL HALIDE DOWNLIGHT WITH ALUMINUM HOUSING, TEMPERED PRISMATIC GLASS LENS, DARK BRONZE FINISH, AND 120 VOLT HIGH POWER FACTOR BALLAST. MAXIMUM 9" DIAMETER x 14" HIGH CYLINDER, AND MAXIMUM 13" OVERALL EXTENSION FROM WALL. UL LISTED FOR OUTDOOR WET LOCATION.	70 W MH ED-17
F-8	DUAL-LITE LIGHTGUARD LIGHTLIER LITHONTA MCPHILBEN SURE-LITES	SE-S-G-W-E DX-L-N-1-G-W LD-N-1-G-W LE-S-W-1-G-120/277-ELN ER30VL-1-W-G CAX-717000-G-W	UNIVERSAL MOUNTED, SINGLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, NICKEL CADMIUM BATTERY PACK WITH CHARGER & TEST SWITCH.	FURNISHED W/ FIXTURE
F-9	DUAL-LITE LIGHTGUARD LIGHTLIER LITHONTA MCPHILBEN SURE-LITES	SE-D-G-W-E DX-L-N-2-G-W LD-N-2-G-W LE-S-W-2-G-120/277-ELN ER30VL-2-W-G CAX-727000-G-W	UNIVERSAL MOUNTED, DOUBLE FACE, LIGHT EMITTING DIODE (LED) EXIT LIGHT WITH CAST ALUMINUM HOUSING, WHITE FINISH, GREEN LETTERS ON STENCIL FACE, NICKEL CADMIUM BATTERY PACK WITH CHARGER & TEST SWITCH.	FURNISHED W/ FIXTURE
F-10	EVENLITE ISOLITE LIGHTGUARD LIGHTLIER MCPHILBEN	S4E100-0-SD-TD120 ELS-12-100-0-XX-SD-TD120 V12-100-W-D1TD E4-2-10L-W-W-SD-T1 ES12L-100-W-SD-TD1	WALL MOUNTED EMERGENCY LIGHTING UNIT WITHOUT LAMP HEADS FOR REMOTE FEED, STEEL HOUSING, MINIMUM 75 WATT 12 VOLT LEAD CALCIUM BATTERY, CHARGER, 120/277 VOLT INPUT, SELF DIAGNOSTIC CIRCUITRY WITH INDICATORS AND TEST SWITCH, AND 15 MINUTE HID TIME DELAY.	NOT REQ'D
F-11	ISOLITE LIGHTGUARD LIGHTLIER MCPHILBEN	LRH-1-H12W U-H1212-G ER-2-H12-W-G CCHR1W12G (12V 12W)	WALL MOUNTED REMOTE EMERGENCY LIGHT FIXTURE WITH 12 WATT 12 VOLT HALOGEN LAMP, GASKETED POLYCARBONATE DIFFUSER, AND WHITE FINISH. UL LISTED OUTDOOR WET LOCATION.	FURNISHED W/ FIXTURE



CONSULTANT  
ELECTRICAL  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

PROJECT DESCRIPTION  
State of Utah  
Department of Administrative Services

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

Internet: <http://www.dfcem.utah.gov>

# CAMP WILLIAMS BUILDING 5080

SHEET NAME:  
ELECTRICAL SCHEDULES AND SYMBOL LIST

REVISIONS  
MARK DATE DESCRIPTION  
△ 4/19/09 CODE REVIEW

ISSUE DATE: APRIL, 2009  
ISSUE TYPE: CD'S  
DRAWN BY: W.B.G.  
CHECKED BY: R.G.K.  
CAD FILE NAME: 0310E-602.dwg  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

**FIRE ALARM KEYED NOTES:**  
FOR SHEET FA101 ONLY

- 1 PROVIDE SURFACE MOUNT OUTLET BOX FOR NEW DEVICE INDICATED. INSTALL NEW CONDUIT EXPOSED FROM OUTLET BOX VERTICALLY TO ABOVE NEW CEILING, OR OTHERWISE ROUTED TO MINIMIZE AMOUNT OF EXPOSED CONDUIT. PAINT OUTLET BOX, AND CONDUIT TO MATCH WALL.
- 2 CONNECT TO EXTERIOR WALL MOUNTED HORN/STROBES WITH CONDUIT THROUGH WALL, ABOVE NEW INTERIOR CEILING, INTO BACK OF SURFACE MOUNTED WEATHERPROOF BACKBOX.
- 3 PROVIDE ADDRESSABLE MONITOR MODULES FOR NEW FIRE SFRINKLER FLOW SWITCHES AND SUPERVISORY SWITCHES. FIELD VERIFY LOCATIONS AND QUANTITY WITH FIRE SFRINKLER SYSTEM CONTRACTOR.
- 4 PROVIDE ADDRESSABLE CONTROL MODULE AND FIRE SAFETY FUNCTION CONTROL RELAYS FOR FAN SHUT DOWN OF FURNACES F/1 AND F/2, AND MAKE-UP AIR UNIT MA/1.
- 5 PROVIDE COMPLETE AREA SMOKE DETECTION SYSTEM FOR ALL AREAS SERVED BY FURNACE F/2, AND MAKE-UP AIR UNIT MA/1 IN LIEU OF INSTALLING DUCT DETECTORS ON THE RETURN AIR AND/OR SUPPLY AIR DUCTS AS ALLOWED BY INTERNATIONAL MECHANICAL CODE SECTION 606.2.1, EXCEPTION.
- 6 PROVIDE ADDRESSABLE MONITOR MODULES TO SUPERVISE EXHAUST HOOD FIRE EXTINGUISHING SYSTEM FOR ALARMS AND TROUBLES. LOCATE MODULES WITHIN 3 FEET OF THE FIRE EXTINGUISHING SYSTEM CONTROL PANEL, AND CONNECT CLASS 'B', STYLE 'B' INITIATING DEVICE CIRCUITS TO NORMALLY OPEN CONTACTS IN THE CONTROL PANEL. VERIFY REQUIREMENTS WITH THE FIRE EXTINGUISHING SYSTEM INSTALLER.
- 7 DACT (TELEPHONE DIALER) MAY BE LOCATED ON TELEPHONE TERMINAL BOARD OR FURNISHED INTEGRAL WITH THE FIRE ALARM CONTROL PANEL. UTAH NATIONAL GUARD TO PROVIDE 2 DEDICATED TELEPHONE LINES FROM THE DACT TO THE GUARD STATION LOCATED AT THE MAIN ENTRANCE TO CAMP WILLIAMS. COORDINATE OFF-SITE COMMUNICATION WITH THE UTAH NATIONAL GUARD AND THE FIRE ALARM SYSTEM INSTALLER.

FIRE ALARM WIRE LEGEND			
SYMBOL	DESCRIPTION	WIRE AND CONDUIT SIZE	NOTES
A	SIGNALING LINE CIRCUIT (SLC)	2C #6 THHN, 1/2" C	1, 2
B	INITIATING DEVICE CIRCUIT (IDC)	2 #4 THHN, 1/2" C	1, 2
C	NOTIFICATION APPLIANCE CIRCUIT (NAC)	2 #4 THHN, 1/2" C	1, 2
D	24 VDC FIRE SAFETY FUNCTION RELAY CIRCUIT	2 #4 THHN, 1/2" C	1, 2

**NOTES:**

1. MINIMUM CONDUIT SIZE INDICATED. PROVIDE LARGER CONDUIT WHERE INDICATED OR WHERE REQUIRED FOR MAXIMUM 40% CONDUIT FILL.
2. MINIMUM WIRE SIZE INDICATED. PROVIDE LARGER SIZES WHERE REQUIRED FOR VOLTAGE DROP CONDITIONS, ETC, BASED ON CIRCUIT LOADING OF INSTALLED EQUIPMENT AND/OR AS REQUIRED BY THE FIRE ALARM SYSTEM MANUFACTURER'S REPRESENTATIVE.

**FIRE ALARM DEVICE LEGEND**

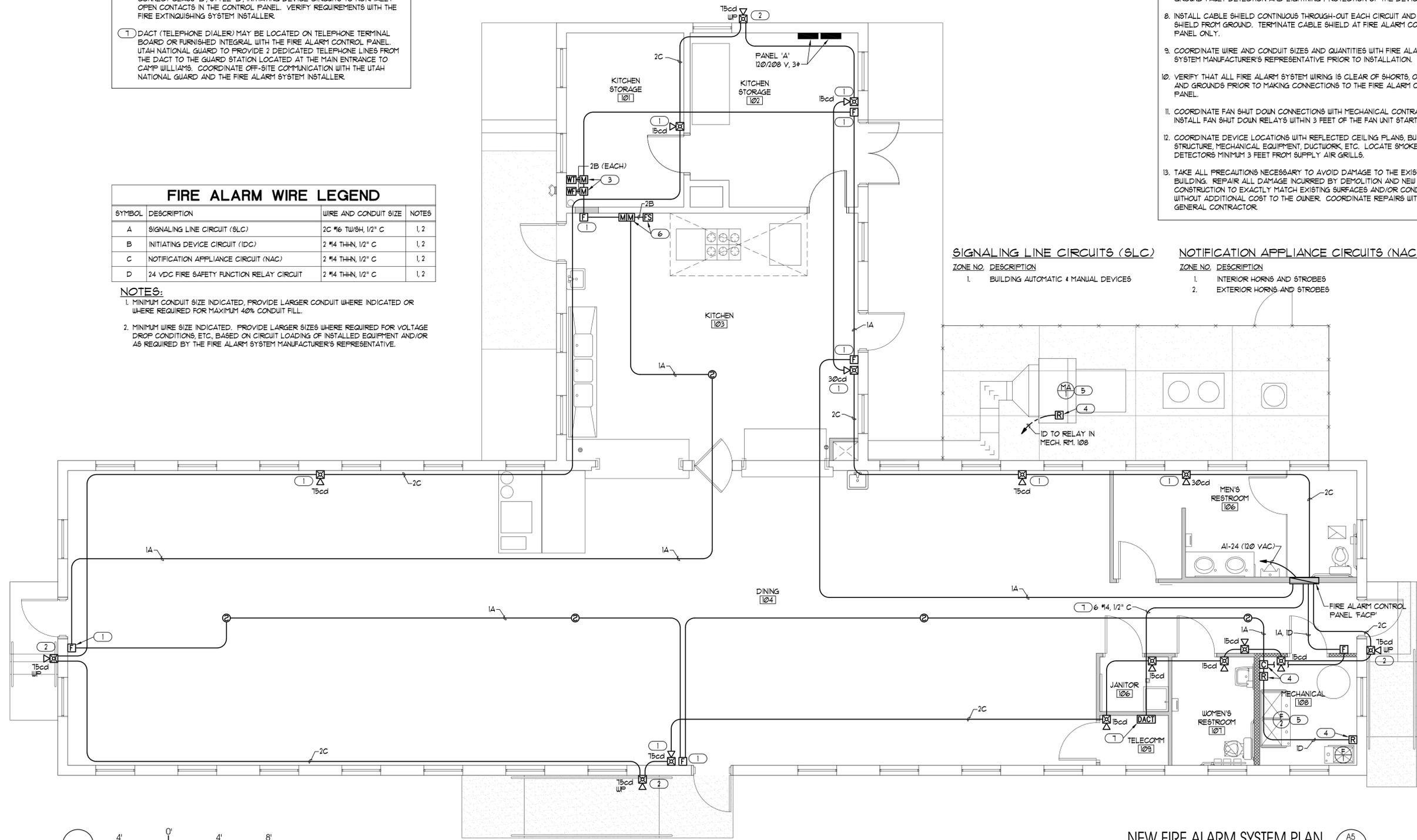
SYMBOL	DESCRIPTION	HEIGHT	NOTES
	FIRE ALARM CONTROL PANEL	T2" TOP	
	DIGITAL ALARM COMMUNICATION TRANSMITTER	60"±	1
	ADDRESSABLE MANUAL PULL STATION	46" ±	2
	ADDRESSABLE HEAT DETECTOR, 135° FIXED, WITH RATE OF RISE	CEILING	
	ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC	CEILING	
	ADDRESSABLE MONITOR MODULE	AS REQ'D	3
	ADDRESSABLE CONTROL MODULE	AS REQ'D	3
	FIRE SAFETY FUNCTION POWER CONTROL RELAY	AS REQ'D	3
	FIRE SFRINKLER SYSTEM FLOW SWITCH		4
	FIRE SFRINKLER SYSTEM SUPERVISORY SWITCH		4
	FIRE SUPPRESSION SYSTEM CONTROL PANEL (SEE PLANS FOR TYPE)		4
	STROBE, INDICATING MINIMUM EFFECTIVE CANDLE POWER (ECP)	84" ±	5, 6
	COMBINATION HORN/STROBE INDICATING MINIMUM STROBE ECP	84" ±	5, 6

**LEGEND NOTES:**

1. DIGITAL ALARM COMMUNICATION TRANSMITTER SHALL BE PROGRAMMED TO TRANSMIT ALARM, TROUBLE, AND SUPERVISORY SIGNAL BY TELEPHONE TO THE CAMP WILLIAMS MAIN ENTRANCE GUARD STATION. VERIFY REQUIREMENTS WITH UTAH NATIONAL GUARD.
2. MOUNTING HEIGHT TO OPERATING HANDLE OF PULL STATIONS MAY BE DECREASED TO NOT LESS THAN 42", OR INCREASED TO NOT MORE THAN 56" ABOVE FINISHED FLOOR LEVEL WITH WRITTEN APPROVAL OF THE ARCHITECT AND AHJ.
3. INSTALL ADDRESSABLE MODULES, AND CONTROL RELAYS IN LOCATIONS ACCESSIBLE FROM FLOOR LEVEL WHERE POSSIBLE.
4. CONNECT TO DRY CONTACTS OF SWITCH OR CONTROL PANEL FOR FIRE SUPPRESSION SYSTEMS PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATION. COORDINATE REQUIREMENTS WITH FIRE SUPPRESSION SYSTEM INSTALLER.
5. PROVIDE NOTIFICATION APPLIANCES IN ACCORDANCE WITH NFPA 72, UL 1971, ANSI 63.41 4 ANSI I111.
6. MOUNTING HEIGHT OF STROBES MAY BE DECREASED TO NOT LESS THAN 80" TO BOTTOM OF STROBE, OR INCREASED TO NOT MORE THAN 96" TO TOP OF STROBE, ABOVE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR SHALL BE INSTALLED 6" BELOW CEILING TO TOP OF STROBE, WHICHEVER IS LOWER, WITH WRITTEN APPROVAL OF THE ARCHITECT AND AHJ.

**GENERAL NOTES:**  
FOR SHEET FA101 ONLY

1. THE FIRE ALARM SYSTEM DRAWINGS INCLUDED WITH THE CONTRACT DOCUMENTS ARE INTENDED ONLY TO INDICATE MINIMUM SYSTEM REQUIREMENTS. INSTALL THE FIRE ALARM SYSTEM ACCORDING TO SUBMITTAL DRAWINGS WHICH HAVE BEEN REVIEWED AND APPROVED BY THE AUTHORITY HAVING JURISDICTION.
2. INSTALL FIRE ALARM SYSTEM IN STRICT COMPLIANCE WITH APPLICABLE SECTIONS OF THE NATIONAL ELECTRICAL CODE (NEC ARTICLE 160), NATIONAL FIRE ALARM CODE, NFPA 72-2002, INTERNATIONAL FIRE CODE, INTERNATIONAL BUILDING CODE, OTHER APPLICABLE NFPA STANDARDS, REGULATIONS OF LOCAL AUTHORITY HAVING JURISDICTION (AHJ) AND THE CONTRACT DOCUMENTS.
3. FIRE ALARM SYSTEM INSTALLATION SHALL BE APPROVED BY THE LOCAL AHJ WHO IS THE UTAH STATE FIRE MARSHAL.
4. FIRE ALARM INITIATING DEVICE CIRCUITS (IDC) SHALL BE CLASS 'A', STYLE 'D' IN ACCORDANCE WITH NFPA 72.
5. FIRE ALARM SIGNALING LINE CIRCUITS (SLC) SHALL BE CLASS 'A', STYLE '6' IN ACCORDANCE WITH NFPA 72.
6. FIRE ALARM NOTIFICATION APPLIANCE CIRCUITS (NAC) SHALL BE CLASS 'A', STYLE 'Z' IN ACCORDANCE WITH NFPA 72.
7. PROVIDE AN EARTH GROUND TO THE FIRE ALARM CONTROL PANEL FOR GROUND FAULT DETECTION AND LIGHTNING PROTECTION OF THE DEVICES.
8. INSTALL CABLE SHIELD CONTINUOUS THROUGH-OUT EACH CIRCUIT AND ISOLATE SHIELD FROM GROUND. TERMINATE CABLE SHIELD AT FIRE ALARM CONTROL PANEL ONLY.
9. COORDINATE WIRE AND CONDUIT SIZES AND QUANTITIES WITH FIRE ALARM SYSTEM MANUFACTURER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. VERIFY THAT ALL FIRE ALARM SYSTEM WIRING IS CLEAR OF SHORTS, OPENS AND GROUNDS PRIOR TO MAKING CONNECTIONS TO THE FIRE ALARM CONTROL PANEL.
11. COORDINATE FAN SHUT DOWN CONNECTIONS WITH MECHANICAL CONTRACTOR. INSTALL FAN SHUT DOWN RELAYS WITHIN 3 FEET OF THE FAN UNIT STARTER.
12. COORDINATE DEVICE LOCATIONS WITH REFLECTED CEILING PLANS, BUILDING STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ETC. LOCATE SMOKE DETECTORS MINIMUM 3 FEET FROM SUPPLY AIR GRILLS.
13. TAKE ALL PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING BUILDING. REPAIR ALL DAMAGE INCURRED BY DEMOLITION AND NEW CONSTRUCTION TO EXACTLY MATCH EXISTING SURFACES AND/OR CONDITIONS WITHOUT ADDITIONAL COST TO THE OWNER. COORDINATE REPAIRS WITH THE GENERAL CONTRACTOR.



**SIGNALING LINE CIRCUITS (SLC)**

- | ZONE NO. | DESCRIPTION                         |
|----------|-------------------------------------|
| 1        | BUILDING AUTOMATIC & MANUAL DEVICES |

**NOTIFICATION APPLIANCE CIRCUITS (NAC)**

- | ZONE NO. | DESCRIPTION                |
|----------|----------------------------|
| 1        | INTERIOR HORNS AND STROBES |
| 2        | EXTERIOR HORNS AND STROBES |



**NEW FIRE ALARM SYSTEM PLAN**

SCALE: 1/4" = 1'-0"



703 east 1700 south  
salt lake city, utah 84105  
ph: 801.466.8818  
fx: 801.466.4411  
ajc@ajcarchitects.com

**CONSULTANT**

**ELECTRICAL**  
Thomas and Kolkman Engineering Co. Inc.  
64 West 1700 South  
Salt Lake City, Utah 84115  
PH#: (801) 484-8161 FAX: (801) 484-3538

**PROJECT DESCRIPTION**

**State of Utah**  
Department of Administrative Services

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

Internet: <http://www.dfcu.utah.gov>

**CAMP WILLIAMS BUILDING 5080**

**SHEET NAME:**

**NEW FIRE ALARM SYSTEM PLAN**

**REVISIONS**

MARK	DATE	DESCRIPTION
------	------	-------------

**ISSUE DATA**

ISSUE DATE: APRIL, 2009  
ISSUE TYPE: CD'S  
DRAWN BY: W.B.G.  
CHECKED BY: R.G.K.  
CAD FILE NAME: 0310E-101.dwg  
DFCM PROJECT # 07332480  
CONTRACT # 087184  
COPYRIGHT: DFCM

**SHEET NUMBER:**

**FA101**

SHEET 7 OF 7 ELECT