CODE ANALYSIS

APPLICABLE CODES

	Year		Year
International Building Code	2006	National Electrical Code	2008
International Mechanical Code	2006	Uniform Code for	
International Fuel Gas Code	2006	Building Conservation	
International Plumbing Code	2006	ADA Accessibility	
International Fire Code	2006	Guide lines	ICC/ANSI 117.1 2003
International Energy Conservation Code	2006		

A. Occupancy and Group: EXISTING BUILDING: B III B

Change in Use: Yes ____ No ✓ Mixed Occupancy: Yes ____ No ✓

Special Use and Occupancy (e.g. High Rise, Covered Mall): ____

B. Seismic Design Category: N/A Design Wind Speed: N/A mph

C. Type of Construction (circle one):

I A | I B | II A | II B | III A | (III B) | IV HT | V A | V B

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

North: 0 South: 0 East: 0 West: 0

E. Mixed Occupancies: 0 Non separated Uses: ____

F: Sprinklers:

Required: NO Provided: NO

Type of Sprinkler System (IBC 903.3.1) N/A

G: Number of Stories: 3 Building Height: 41'

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

I: Tabular Area: (table 503): N/A

J: Area Modifications:

a) $A_a = \{A_t + [A_t \times I_f] + [A_t \times I_s]\}$ $I_f = [F/P - 0.25]W/30$

b) Sum of the Ratio Calculations for Mixed Occupancies:

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

c) Total Allowable Area for:

1) One Story: ____
2) Two Story: $A_a(2)$____
3) Three Story: $A_a(3)$____

d) Unlimited Area Building: Yes ____ No ✓ Code Section: ____

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

Element	Hours	Assembly Listing	Element	Hours	Assembly Listing
Exterior Bearing Walls	2	EXISTING	Floors - Ceiling Floors	0	EXISTING
Interior Bearing Walls	0	EXISTING	Roofs - Ceiling Roofs	0	EXISTING
Exterior Non-Bearing Walls	0	EXISTING	Exterior Doors and Windows	0	EXISTING
Structural Frame	0	EXISTING	Shaft Enclosures	1 Hr.	EXISTING
Partitions - Permanent	N/A		Fire Walls	N/A	
Fire Barriers	N/A		Fire Partitions	N/A	
			Smoke Partitions	N/A	

L. Design Occupant Load: N/A - NO OCCUPANTS ADDED.

Exit Width Required: ____ Exit Width Provided: ____

M. Minimum Number of Required Plumbing Facilities:

a) Water Closets - Required (m) 1 (f) 1 Provided (m) 1 (f) 1
b) Urinals - Required (m) 0 (f) ____ Provided (m) 1 (f) ____
c) Lavatories - Required (m) 1 (f) 1 Provided (m) 1 (f) 1
d) Bath Tubs or Showers: 0
e) Drinking Fountains: 1 Service Sinks: N/A - NO CHANGE

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:
   a) High Rise Requirements.
   b) Atriums.
   c) Performance Based Criteria.
   d) Means or Egress Analysis.
   e) Fire Assembly Locator Sheet.
   f) Exterior and Interior Accessibility Route.
   g) Fire Stopping, Including Tested Design Number.

PROJECT TEAM

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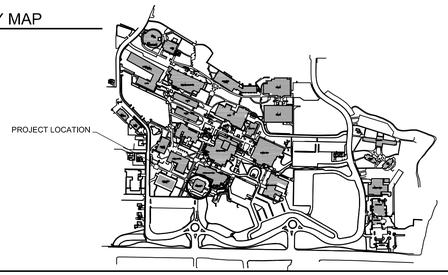
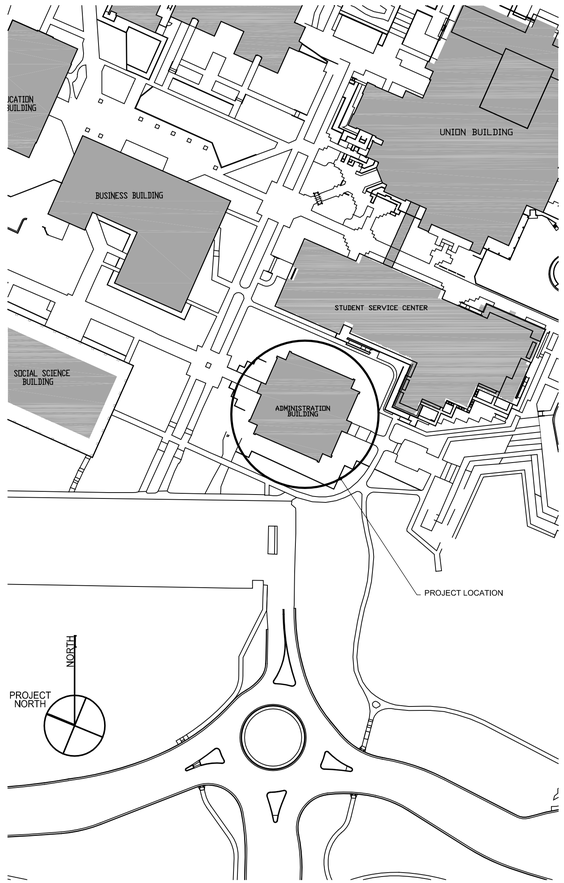
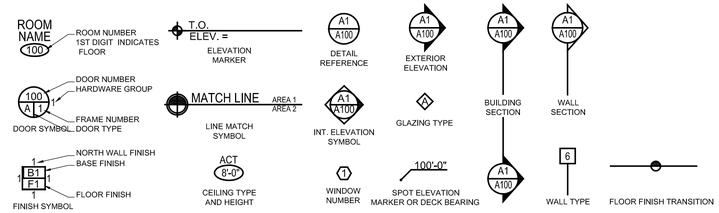
VICINITY MAP



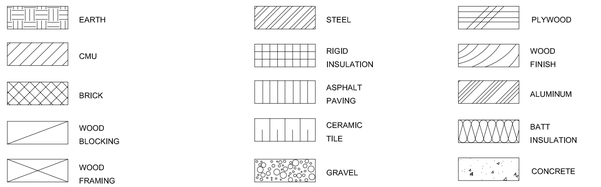
OVERALL SITE PLAN



SYMBOL LEGEND



GRAPHIC SYMBOLS



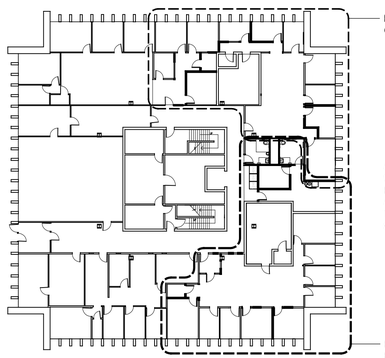
DRAWING INDEX

NOTE: THE SHEETS LISTED ABOVE REPRESENT A FULL SET OF CONSTRUCTION DOCUMENTS AND INCLUDE A DETAIL BOOK AND A PROJECT MANUAL AND SHALL NOT BE SEPARATED. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR REVIEWING ALL THE CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO DRAWINGS, DETAILS, PROJECT MANUAL, SPECIFICATIONS AND ANY AND ALL ADDENDA ISSUED.

WEBER STATE UNIVERSITY
MILLER ADMINISTRATION REMODEL
FIRST FLOOR

DFCM # 09125810
CONSTRUCTION DOCUMENTS
May 18, 2009

PHASING



PHASE II - WORK IN THIS AREA SHALL OCCUR AFTER PHASE I IS COMPLETE.

A SHORT PERIOD BETWEEN PHASES WILL BE REQUIRED TO ALLOW PERSONNEL TO VACATE THE PHASE II AREA AND OCCUPY THE PHASE I AREA. THIS TIME PERIOD SHALL BE COORDINATED DURING CONSTRUCTION.

PHASE I - WORK IN THIS AREA SHALL BEGIN FIRST AND BE COMPLETE BEFORE BEGINNING WORK IN PHASE II

DEFERRED SUBMITTALS

FIRE ALARM:
THE DEFERRED SUBMITTAL FOR FIRE ALARMS IS ANTICIPATED TO BE SUBMITTED FOR REVIEW TO THE BUILDING OFFICIAL AND FIRE MARSHALL ON OR AROUND JUNE 10, 2009.

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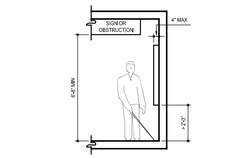
Schematic Design

REVISION NUMBER AND DATE:

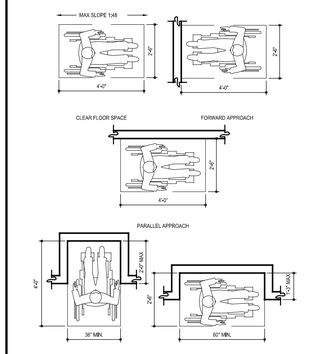
AXIS JOB #: 0903
OWNER JOB #: 09125810
DATE: MAY 14, 2009
DRAWN BY: BV
CHECKED BY: PL

GENERAL INFORMATION

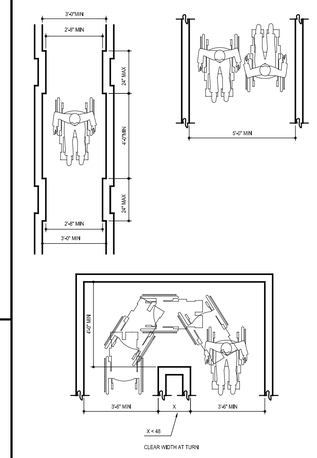
GI101



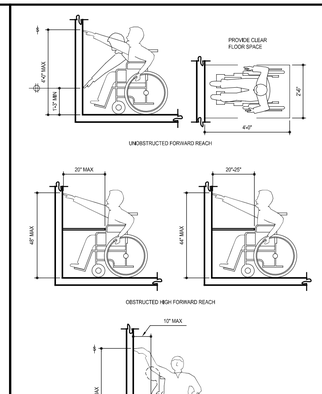
307. PROTRUDING OBJECTS



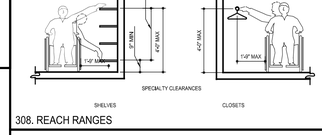
305. CLEAR FLOOR OR GROUND SPACE



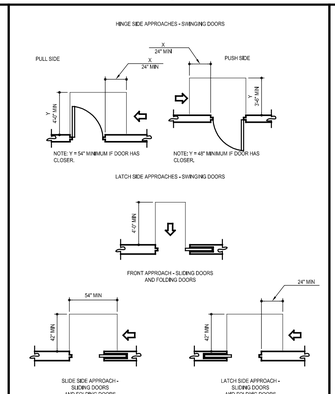
403. ACCESSIBLE ROUTES



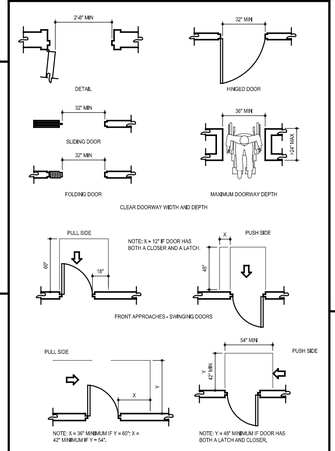
308. REACH RANGES



304. WHEELCHAIR TURNING SPACE



404. DOORS AND DOORWAYS



404. DOORS AND DOORWAYS

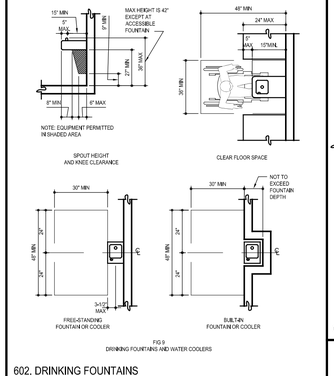
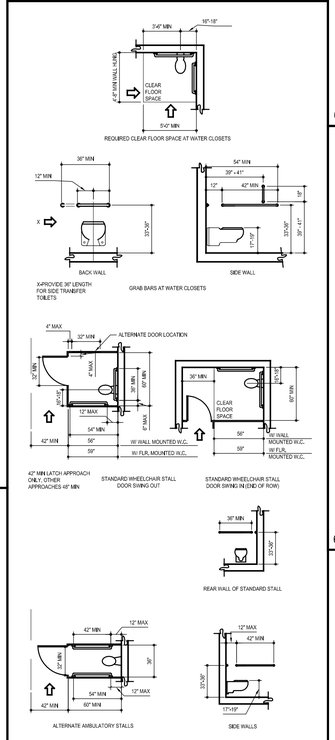
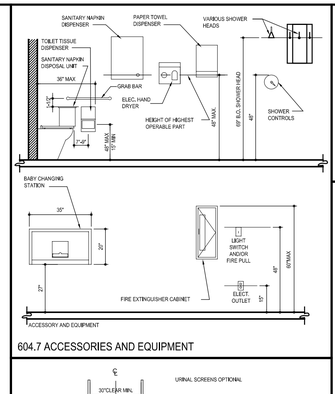


FIG 9
DRINKING FOUNTAINS AND WATER COOLERS

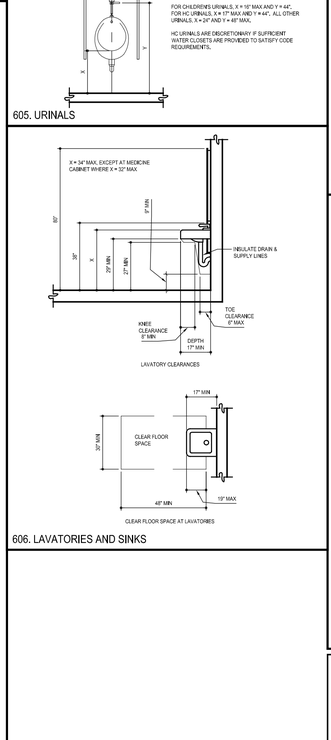
602. DRINKING FOUNTAINS



604. TOILETS AND TOILET COMPARTMENTS

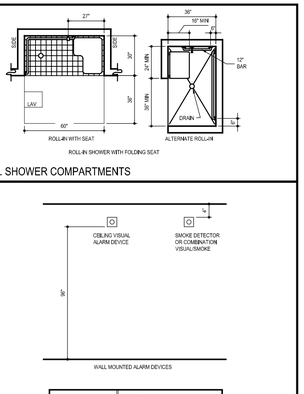


604.7 ACCESSORIES AND EQUIPMENT



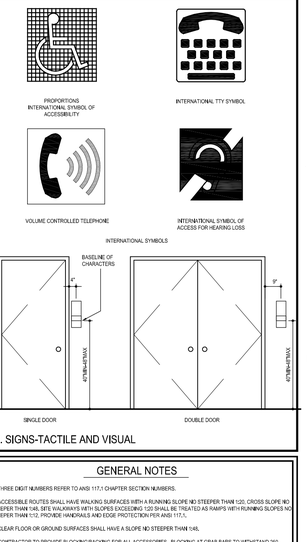
605. URINALS

606. LAVATORIES AND SINKS



608. SHOWER COMPARTMENTS

702. ALARMS



703. SIGNS-TACTILE AND VISUAL

GENERAL NOTES

1 - THREE DIGIT NUMBERS REFER TO ANSI 117.1 CHAPTER SECTION NUMBERS.

2 - ACCESSIBLE ROUTES SHALL HAVE WALKING SURFACES WITH A RUNNING SLOPE NO STEEPER THAN 1:20, CROSS SLOPE NO STEEPER THAN 1:48. SITE WALKWAYS WITH SLOPES EXCEEDING 1:20 SHALL BE TREATED AS RAMPS WITH RUNNING SLOPES NO STEEPER THAN 1:12, PROVIDE HANDRAILS AND EDGE PROTECTION PER ANSI 117.1.

3 - CLEAR FLOOR OR GROUND SURFACES SHALL HAVE A SLOPE NO STEEPER THAN 1:48.

4 - CONTRACTOR TO PROVIDE BLOCKING/BACKING FOR ALL ACCESSORIES. BLOCKING AT GRAB BARS TO WITHSTAND 250 LB/FT. LOAD.

5 - DRINKING FOUNTAINS, TOILETS, AND URINALS ARE TO MOUNTED AS PER MANUFACTURER'S RECOMMENDATIONS FOR STANDARD UNITS UNLESS THEY ARE DESIGNATED TO BE FOR HANDICAPPED USE. HCC ACCESSIBLE UNITS TO BE MOUNTED AS SHOWN ABOVE.

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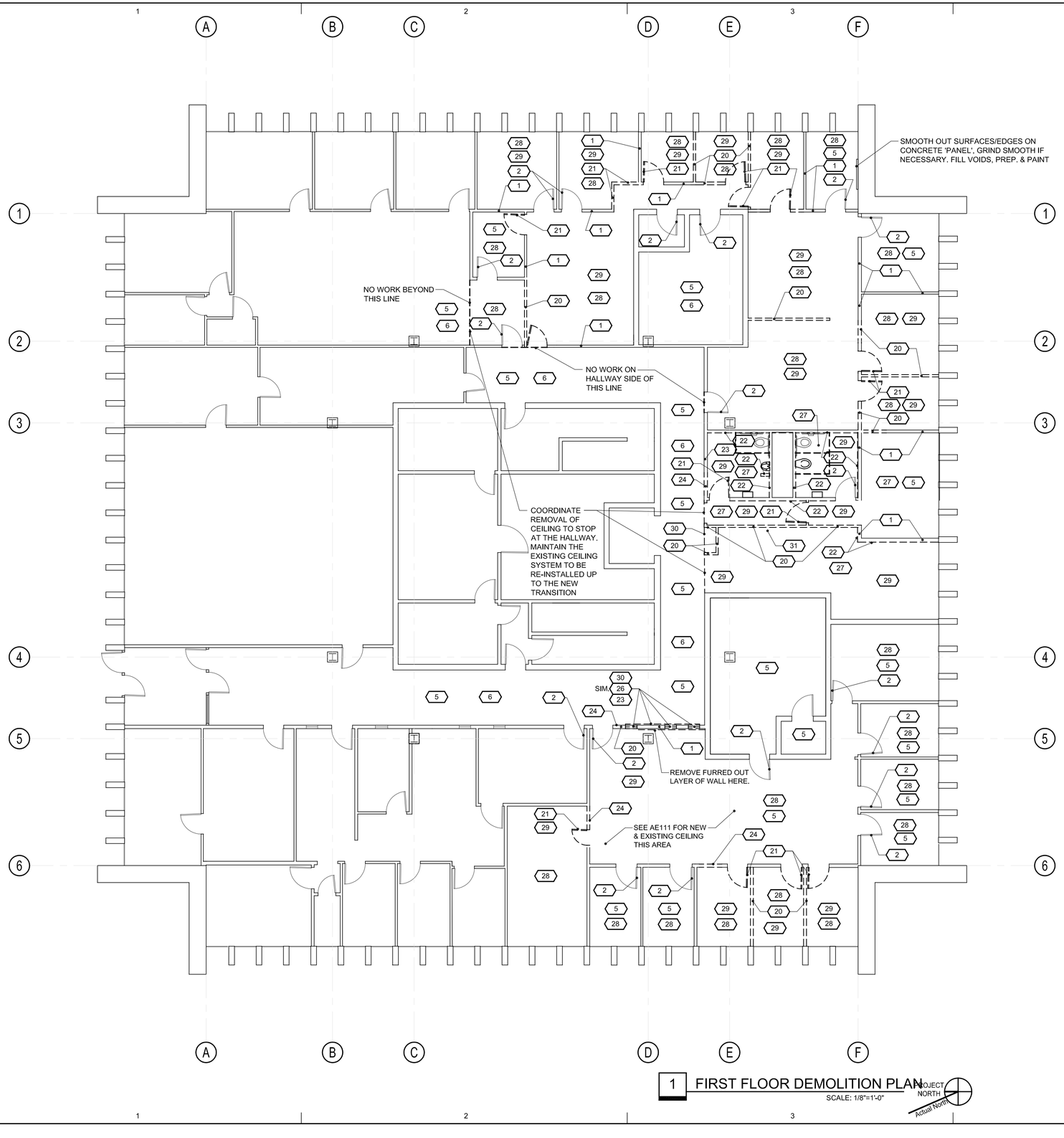
Schematic Design

REVISION NUMBER AND DATE:

AXIS JOB #:	0903
OWNER JOB #:	09125810
DATE:	MAY 14, 2009
DRAWN BY:	BV
	-
CHECKED BY:	PL
	-

CLEARANCES ACCESSIBILITY INFORMATION

GI102



1 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8"=1'-0"

PROJECT NORTH
Actual North

DEMOLITION KEYNOTE LEGEND

1 EXISTING WALL TO REMAIN
2 EXISTING DOOR AND FRAME TO REMAIN
3 NOT USED
4 NOT USED
5 EXISTING CEILING SYSTEM TO REMAIN - COORDINATE W/ AE111
6 EXISTING FLOORING TO REMAIN

20 REMOVE WALL - COORDINATE EXTENT W/ AE101
21 REMOVE DOOR, FRAME, AND SIGNAGE FOR REINSTALLATION - COORDINATE HARDWARE W/ HARDWARE SCHEDULE - SOME TO BE REUSED & SOME TO BE REMOVED
22 REMOVE GYP. BD. SURFACE ON INDICATED SIDE FOR INSTALLATION OF ACOUSTICAL INSULATION
23 REMOVE WALL FINISH AND/ OR WALLPAPER & PREP FOR PAINTING
24 REMOVE WALL FOR OPENING - SEE FINISH DRAWINGS & COORDINATE
25 NOT USED
26 REMOVE WINDOW & FRAME & ROLL-DOWN DOOR HARDWARE FOR NEW WALL INFILL. MAINTAIN CEILING SYSTEM FOR REPAIR.
27 EXISTING FLOORING TO BE REMOVED BY ASBESTOS ABATEMENT CONTRACTOR UNDER A SEPARATE CONTRACT
28 REMOVE CARPET - MAINTAIN A SMOOTH FLOOR FINISH FOR NEW CARPET AND FILL & REPAIR ANY DAMAGES
29 REMOVE CEILING SYSTEM
30 REMOVE CABINET
31 PIPING IN THIS AREA TO BE REMOVED - COORDINATE WITH MECH.

*WORK INDICATED TO BE PERFORMED BY ASBESTOS ABATEMENT CONTRACTOR TO BE PERFORMED UNDER A SEPARATE CONTRACT, BUT COORDINATED WITH THE GENERAL CONTRACTOR.

COORDINATE EXTENT OF DEMOLITION WITH FINISH DRAWINGS

COORDINATE ELECTRICAL, LIGHTING ,& MECHANICAL TO BE REMOVED WITH MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS.

ALL EXISTING EXTERIOR WINDOWS SHALL REMAIN - PROTECT DURING CONSTRUCTION.

NOTES:

1. DOORS SCHEDULED TO BE SALVAGED AND RE-INSTALLED ARE IN GOOD AND WORKING CONDITION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DOORS IN THE SAME CONDITION FOR RE-INSTALLATION. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO REPLACE DOORS OR FRAMES THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES. IDENTIFY ANY DAMAGED DOORS BEFORE DEMOLITION.
2. RESTROOM WALLS WITH FIXTURES AT ROOMS 107 AND 109 WILL RECEIVE NEW FINISHES. REMOVE EXISTING PLUMBING FIXTURES AND SALVAGE FOR RE-INSTALLATION (OR SALVAGE TO OWNER). REMOVE GYPSUM WALL BOARD AT BATHROOM SIDE FOR NEW TILE BACKER BOARD. REMOVE EXISTING TOILET PARTITIONS. SALVAGE EXISTING HORN STROBES FOR REINSTALLATION.
3. PROVIDE FOR REMOVAL OF EXISTING BULLETIN BOARDS & OTHER MISC. WALL MOUNTED FIXTURES IN OFFICES.
4. COORDINATE W/ MECHANICAL & ELECTRICAL DRAWINGS FOR ACCESS NEEDED ABOVE EXISTING CEILINGS. EXISTING CEILINGS ARE 1'x1' ACOUSTICAL TILE IN AN OLD SUSPENSION SYSTEM (TILES ARE FRAGILE). SALVAGE CEILING TILES FROM REMOVED CEILINGS FOR RE-USE AS NECESSARY. PROVIDE FOR REMOVAL & REPLACEMENT OF EXISTING CEILINGS TO ALLOW FOR WORK REQUIRED.

NOTES - DEMOLITION

1. PRIOR TO DEMOLITION AND CONSTRUCTION, ASBESTOS ABATEMENT WILL PROCEED IN THIS BUILDING UNDER A SEPARATE CONTRACT. GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ASBESTOS ABATEMENT CONTRACTOR TO ENSURE THAT ALL DEMOLITION NECESSARY IS ACCOMPLISHED TO ALLOW FOR NEW WORK.
2. PROTECT EXISTING BUILDING DURING CONSTRUCTION, INCLUDING FINISHES, DOORS, FRAMES AND ETC. REPAIR DAMAGE CAUSED BY DEMO AND OR NEW WORK.
3. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS REQUIRED TO BE DEMOLISHED.
4. EXISTING SIGNAGE TO REMAIN OR TO BE SALVAGED FOR REMOUNTING
5. STRUCTURAL ELEMENTS, SUCH AS COLUMNS, BEARING WALLS, BEAMS ARE NOT TO BE REMOVED OR COMPROMISED. WALLS SCHEDULED TO BE REMOVED ARE PARTITION WALLS ONLY. NOTIFY THE ARCHITECT IMMEDIATELY, IF ANY ITEM SCHEDULED TO BE REMOVED IS SUSPECTED TO BE PART OF THE STRUCTURAL SYSTEM.

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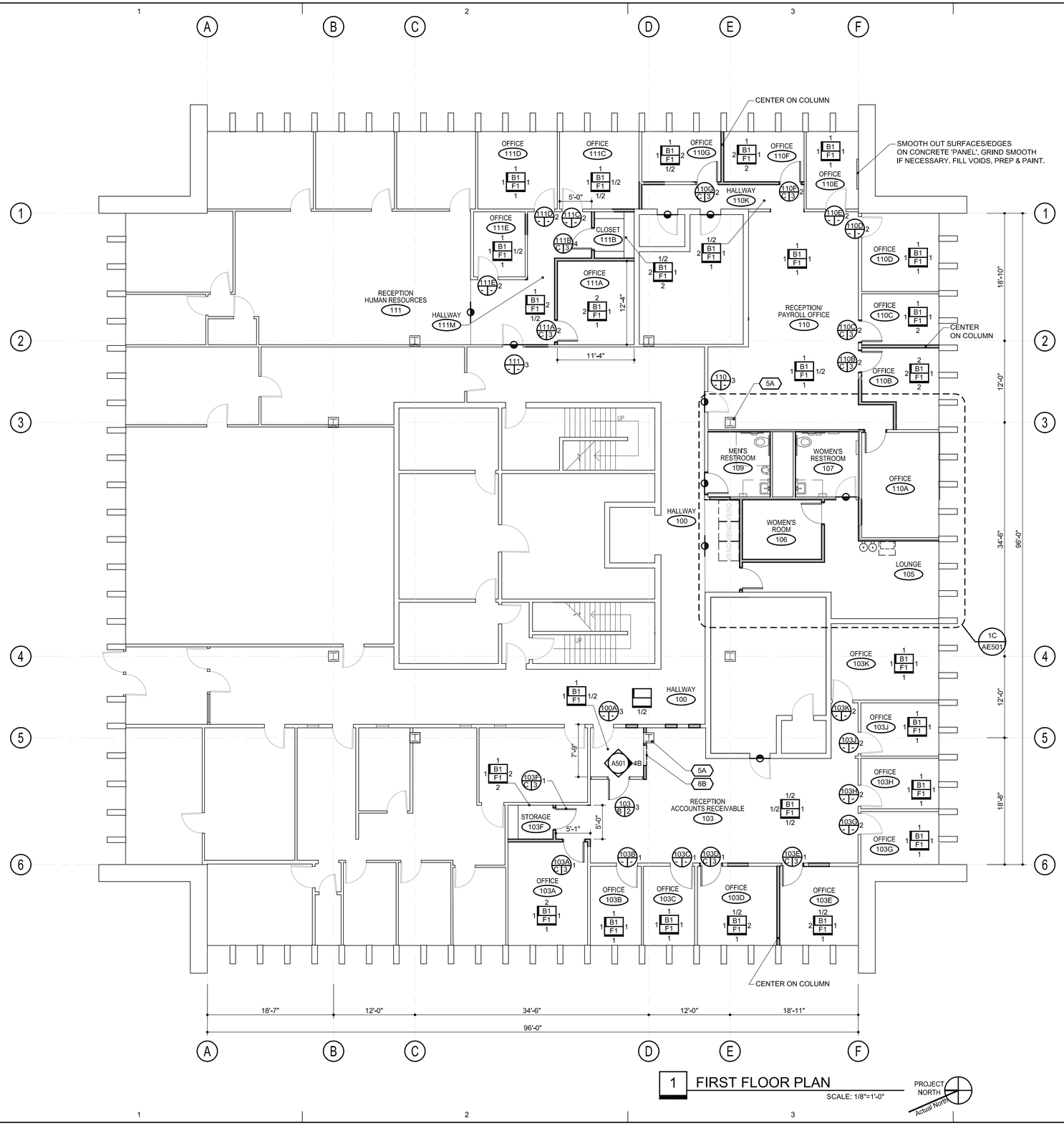
Schematic Design

REVISION NUMBER AND DATE:

AXIS JOB #:	0903
OWNER JOB #:	09125810
DATE:	MAY 14, 2009
DRAWN BY: BV	-
CHECKED BY: PL	-

FIRST FLOOR DEMOLITION PLAN

AD101



1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

PROJECT NORTH
Actual North

NOTE: CONTRACTOR SHALL PROVIDE (20) STAINLESS STEEL CORNER GUARDS PER DETAIL IN-01. TO BE LOCATED BY THE ARCHITECT.

KEYNOTE LEGEND -GENERAL

5 - METALS
- 5A EXISTING COLUMN

8 - DOORS AND WINDOWS
- 8A SCHEDULED DOOR AND FRAME
- 8B ROLL-DOWN DOOR

9 - FINISHES
- 9A GYP. BD. - PAINTED
- 9D 4 X 4" GLAZED CERAMIC TILE WAINSCOT TO 5'-0" A.F.F. U.N.O.
- 9F 5/8" GYP. BD. - EPOXY PAINTED
- 9H SCHEDULED BASE

10 - SPECIALTIES :
- 10X HEAVY DUTY ADJUSTABLE SHELVING SYSTEM WITH (5) 3/4" WHITE MDF SHELVES W/ EDGING TO MATCH - AT EACH CLOSET WALL INDICATED

12 - FURNISHINGS
- 12A CASEWORK - SEE DETAIL CW-01

16 - ELECTRICAL
- 16A ELECTRICAL FIXTURE - SEE ELECTRICAL

WALL TYPES

EXISTING WALL TO REMAIN

3 5/8" METAL STUDS @16" O.C. - BRACE TO CEILING. 5/8" GYP. BOARD ON EA. SIDE , ACOUSTICAL BATT INSULATION AND SCHEDULED FINISH EXTEND GWB TO 4" ABOVE CEILING. EXTEND STUDS TO STRUCTURE AT NEW CEILINGS - BRACE WALL ABOVE CEILINGS AT EXISTING CEILINGS - REPAIR CEILINGS.

EXISTING FRAMED WALL. REMOVE GYPSUM BOARD FROM THE INDICATED SIDE AND FILL CAVITIES WITH ACOUSTICAL BATT INSULATION. PROVIDE NEW GYPSUM BOARD ON THE ONE SIDE, AND FINISH, PAINT & ETC., AS SCHEDULED. PROVIDE TILE BACKER BOARD WHERE TILE IS SCHEDULED.

NOTE: PROTECT EXISTING FINISHES TO REMAIN DURING DEMOLITION AND PATCH & REPAIR WHERE DEMOLITON OCCURS AND WHERE JOINED WITH NEW WORK.

FINISH LEGEND

WALL:
1. PATCH EXIST. GYP. BOARD - PAINT
2. NEW GYP. BOARD - PAINT
3. EPOXY PAINT SYSTEM OVER EXIST. OR NEW GYP. BOARD
4. 4 X 4 CERAMIC TILE, 5'-0" HIGH, WITH EPOXY PAINT OVER GYP. BOARD ABOVE

FLOOR:
F1 CARPET TILE BY OTHERS - N.I.C.
F2 2 X 2 PORCELAIN TILE
F3 12 X 12 VCT TILE

BASE:
B1 RUBBER BASE BY OTHERS - N.I.C.
B2 CERAMIC TILE COVE BASE

1. MATERIALS IN SIMILAR LOCATIONS ARE NOT KEYNOTED AT EVERY OCCURRENCE.
2. PROVIDE CONCRETE MOISTURE SEALER AT ALL AREAS TO RECEIVE A FLOORING FINISH MATERIAL
3. EXISTING WALLS TO BE PAINTED SHALL BE THOROUGHLY PATCHED & PREPARED BEFORE PAINTING.

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION.
2. DETAILS ARE LOCATED IN A DETAIL BOOK, IN THE PROJECT MANUAL.
3. REFER TO DRAWING SHEET GI101 FOR PHASING DIAGRAM AND DESCRIPTION.

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DRAWN BY: BV	-
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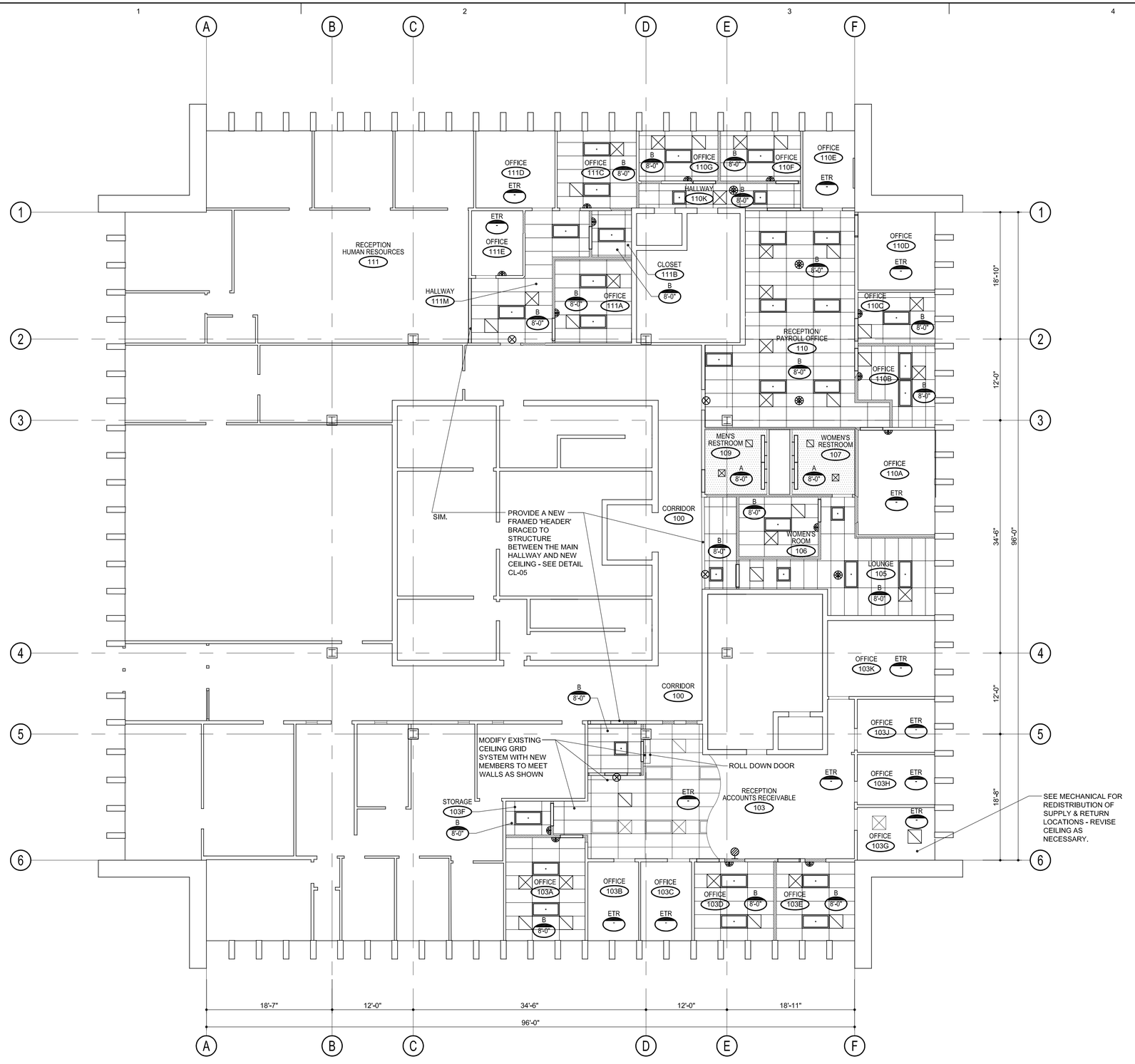
FIRST FLOOR PLAN

AE101



1 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

PROJECT NORTH
Actual North

CEILING SYMBOL LEGEND

- 2 X 2 FLUORESCENT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- 2 X 4 FLUORESCENT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- 1 X 4 FLUORESCENT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS
- RECESSED DOWNLIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS.
- WALL-WASHED LUMINAIRE REFER TO ELECTRICAL DRAWINGS.
- PENDANT FIXTURE
- WALL SCONCE
- WALL MOUNTED FIXTURE
- EMERGENCY EXIT LIGHTING
- RETURN AIR REGISTER, REFER TO ELECTRICAL DRAWINGS.
- SUPPLY AIR DIFFUSER, REFER TO ELECTRICAL DRAWINGS.
- ACCESS PANEL-SEE MECH. FOR FINAL SIZE AND LOCATION NOTE: ADDITIONAL ACCESS PANELS MAY BE REQUIRED-COOR'D. WITH MECH. AND ELECT.

ALSO REFER TO ELECTRICAL AND MECHANICAL DRAWINGS

CEILING SCHEDULE

A 8'-0" — A ← MATERIAL, 8'-0" ← ELEVATION ABOVE F.F.

- A 8'-0" — NEW PAINTED GYP. BOARD CEILING LINE UP WITH EXISTING HEIGHT - PROVIDE ACOUSTICAL BATT INSULATION ABOVE - SEE DETAIL CL-03 & CL-04
- B 8'-0" — 2' X 4' ACOUSTIC PANEL CEILING - USE SEISMIC BERC CLIPS & 1" MAX. EDGE ANGLE
- ETR — EXISTING TO REMAIN (NOT DRAWN)

CEILING PLAN - GENERAL NOTES

1. REPAIR CEILINGS AS NEEDED FOR NEW WORK.
2. SEE DETAILS CL-SERIES IN DETAIL BOOK.
   - SEE CL-01 & CL-02 FOR TYPICAL BRACING DETAILS @ ALL SUSPENDED CEILINGS.
3. PROTECT EXISTING CEILINGS DURING DEMOLITION AND PATCH & REPAIR WHERE ADJACENT WORK IS REMOVED AND WHERE JOINED WITH NEW FINISHES.
4. CONTRACTOR TO ALLOW FOR REPLACEMENT 3% OF CEILING TILES IN AND AROUND ALL AREAS WHERE WORK WILL OCCUR. ARCHITECT TO INDICATE TILES DURING CONSTRUCTION. EXISTING TILE CEILINGS ARE 1X1 IN A GRID SYSTEM. SALVAGE EXISTING TILE WHERE REMOVED AND USE ATTIC STOCK IF NECESSARY.

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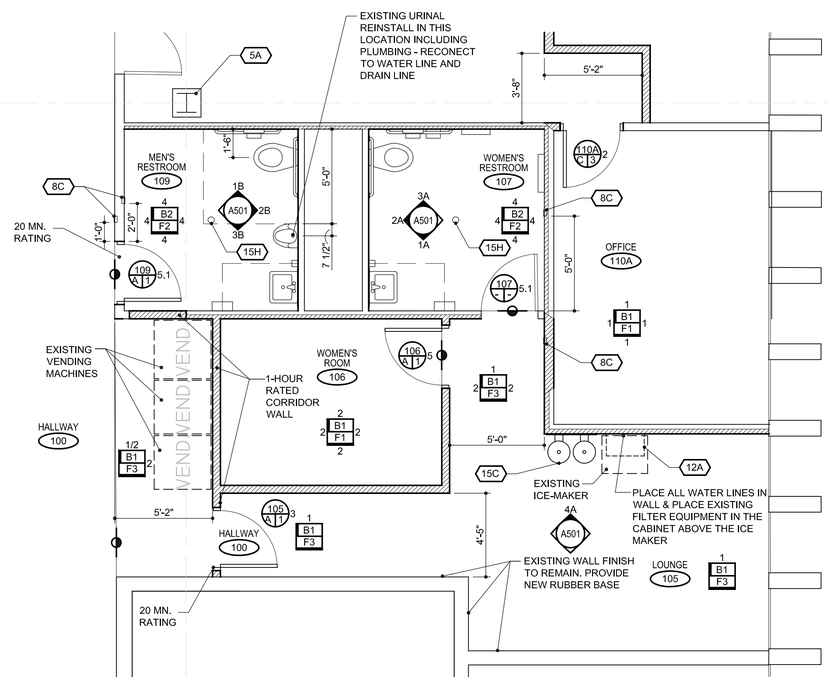
DRAWN BY: BV	-
CHECKED BY: PL	-

FIRST FLOOR REFLECTED CEILING PLAN

AE111

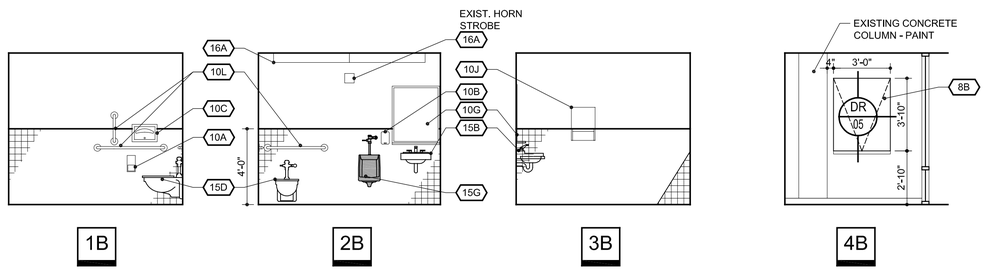


1C ENLARGED FLOOR PLAN

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

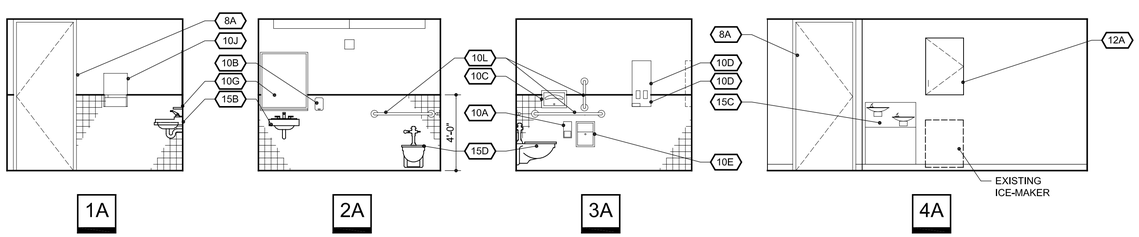
PROJECT NORTH

Actual North



B INTERIOR ELEVATIONS

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



A INTERIOR ELEVATIONS

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

WALL TYPES

EXISTING WALL TO REMAIN

3 5/8" METAL STUDS @16" O.C. - BRACE TO CEILING. 5/8" GYP. BOARD ON EA. SIDE , ACOUSTICAL BATT INSULATION AND SCHEDULED FINISH EXTEND GWB TO 4" ABOVE CEILING. EXTEND STUDS TO STRUCTURE AT NEW CEILINGS - BRACE WALL ABOVE CEILINGS AT EXISTING CEILINGS - REPAIR CEILINGS.

EXISTING FRAMED WALL. REMOVE GYPSUM BOARD FROM THE INDICATED SIDE AND FILL CAVITIES WITH ACOUSTICAL BATT INSULATION. PROVIDE NEW GYPSUM BOARD ON THE ONE SIDE, AND FINISH, PAINT & ETC., AS SCHEDULED. PROVIDE TILE BACKER BOARD WHERE TILE IS SCHEDULED.

NOTE:

PROTECT EXISTING FINISHES TO REMAIN DURING DEMOLITION AND PATCH & REPAIR WHERE DEMOLITON OCCURS AND WHERE JOINED WITH NEW WORK.

FINISH LEGEND

NORTH WALL FINISH
BASE FINISH
FLOOR FINISH
SOUTH WALL FINISH

WALL:

1. PATCH EXIST. GYP. BOARD - PAINT
2. NEW GYP. BOARD - PAINT
3. EPOXY PAINT SYSTEM OVER EXIST. OR NEW GYP. BOARD
4. 4 X 4 CERAMIC TILE, 4'-0" HIGH, WITH EPOXY PAINT OVER GYP. BOARD ABOVE

FLOOR:

F1 CARPET TILE BY OTHERS - N.I.C.
F2 2 X 2 PORCELAIN TILE
F3 12 X 12 VCT TILE

BASE:

B1 RUBBER BASE BY OTHERS - N.I.C.
B2 CERAMIC TILE COVE BASE

1. MATERIALS IN SIMILAR LOCATIONS ARE NOT KEYNOTED AT EVERY OCCURRENCE.
2. PROVIDE CONCRETE MOISTURE SEALER AT ALL AREAS TO RECEIVE A FLOORING FINISH MATERIAL
3. EXISTING WALLS TO BE PAINTED SHALL BE THOROUGHLY PATCHED & PREPARED BEFORE PAINTING.

NOTE: SEE SHEET GI102 FOR TYPICAL FIXTURE MOUNTING HEIGHTS TO MEET ADA REQUIREMENTS

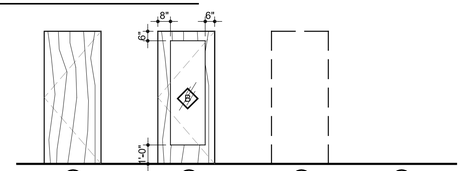
KEYNOTE LEGEND -GENERAL

5 - METALS
5A EXISTING COLUMN
8 - DOORS AND WINDOWS
8A SCHEDULED DOOR AND FRAME
8B ROLL-DOWN DOOR
8C ADA DOOR ACTUATOR - COORD. W/ ELECTRICAL FOR ELEC. STRIKE
9 - FINISHES
9A GYP. BD. - PAINTED
9D 4 X 4" GLAZED CERAMIC TILE WAINSCOT TO 5'-0" A.F.F. U.N.O.
9F 5/8" GYP. BD. - EPOXY PAINTED
9H SCHEDULED BASE
10 - SPECIALTIES :
10X HEAVY DUTY ADJUSTABLE SHELVING SYSTEM WITH (5) 3/4" WHITE MDF SHELVES W/ EDGING TO MATCH - AT EACH CLOSET WALL INDICATED
12 - FURNISHINGS
12A CASEWORK - SEE DETAIL CW-01
16 - ELECTRICAL
16A ELECTRICAL FIXTURE - SEE ELECTRICAL

KEYNOTE LEGEND -RESTROOMS

10 - SPECIALTIES :
10A TOILET PAPER DISPENSER - EXISTING - RE-INSTALL.
10B SOAP DISPENSER - EXISTING - RE-INSTALL
10C TOILET SEAT COVER DISPENSER - EXISTING - RE-INSTALL.
10D SANITARY NAPKIN DISPENSER - EXISTING - RE-INSTALL
10E SANITARY NAPKIN DISPOSAL - EXISTING - RE-INSTALL
10F NOT USED
10G 30" X 36" MIRROR W/ 4" S.S. SHELF - PROVIDE NEW
10H NOT USED
10J PAPER TOWEL DISPENSER - EXISTING - RE-INSTALL
10K NOT USED
10L S.S. GRAB BAR - PROVIDE NEW
10M CABINET - EXISTING - REINSTALL
15 - MECHANICAL
15B SINK, EXISTING - REMOVE AND RE-INSTALL
15C DRINKING FOUNTAIN - PROVIDE NEW
15D TOILET, EXISTING - REMOVE AND RE-INSTALL
15G EXISTING URINAL TO BE RELOCATED TO THIS LOCATION SEE PLAN FOR DIMENSIONS - INCLUDE ALL ASSOCIATED WORK INCLUDING PLUMBING
15H EXISTING FLOOR DRAIN

DOOR TYPES

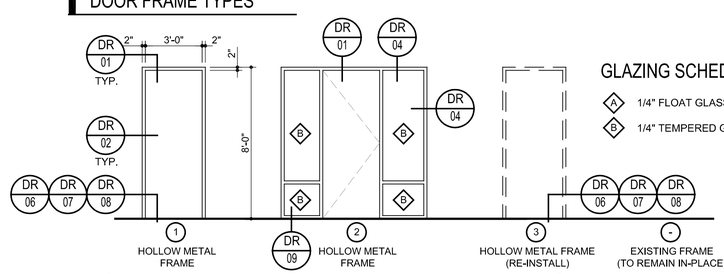


ALL EXISTING DOORS TO BE PREPPED FOR HARDWARE, AND HOLES REPAIRED.

NOTES:

1. DOORS AND FRAMES SCHEDULED TO BE SALVAGED AND RE-INSTALLED ARE IN GOOD AND WORKING CONDITION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THEM IN THE SAME CONDITION FOR RE-INSTALLATION. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO REPLACE DOORS OR FRAMES THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES. IDENTIFY ANY PRE-EXISTING DAMAGES BEFORE BEGINNING DEMOLITION.
2. ALL FRAMES, EXISTING & NEW SHALL BE PUT IN PLACE IN GOOD CONDITION, AND PAINTED (SPRAYED AS SPECIFIED). FILL, GRIND SMOOTH, AND PAINT ANY DINGS, VOIDS, SCRATCHES & ETC.

DOOR FRAME TYPES



GLAZING SCHEDULE

A 1/4" FLOAT GLASS
B 1/4" TEMPERED GLASS

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ENLARGED PLANS
INTERIOR ELEVATIONS
DOORS & FRAMES

AE501

MECHANICAL LEGEND

SYMBOL	ABR.	DESCRIPTION
GENERAL TERMINOLOGY		
A2		DETAIL NUMBER DESIGNATION CORRESPONDING WITH GRID LOCATION
MA 1		MECHANICAL EQUIPMENT DESIGNATION EQUIPMENT ITEM DESIGNATION
D-1 CFM		REGISTER, GRILL OR DIFFUSER DESIGNATION WITH BALANCING CFM LISTED BELOW
R-1		GRILLE, OR LOUVER DESIGNATION WHERE BALANCING NOT REQUIRE
1		REVISION DESIGNATOR AND NUMBER
1		KEY NOTE DESIGNATOR AND NUMBER
	POC	POINT OF CONNECTION
	POR	POINT OF REMOVAL
GC		GENERAL CONTRACTOR
MC		MECHANICAL CONTRACTOR
ATC		CONTROL CONTRACTOR
EC		ELECTRICAL CONTRACTOR
FPC		FIRE PROTECTION CONTROL
NIC		NOT IN CONTRACT
NTS		NOT TO SCALE
C		COMMON
NC		NORMALLY CLOSED
NO		NORMALLY OPEN

SYMBOL	ABR.	DESCRIPTION
AIR SIDE		
		EXISTING AIR DUCT TO BE REMOVED
		EXISTING AIR DUCT TO REMAIN
		NEW AIR DUCT
		NEW SPIRAL DUCT
		NEW MEDIUM PRESSURE DUCT
		BURIED OR UNDER FLOOR DUCT
		FLEXIBLE AIR DUCT
		LINED DUCT
		VANED ELBOW
		RADIUS ELBOW
		FLEXIBLE AIR DUCT CONNECTION
VD		VOLUME DAMPER
		SUPPLY AIR DIFFUSER
		RETURN AIR, FRESH AIR, AND TRANSFER AIR
		CEILING MOUNTED EXHAUST FAN OR EXHAUST GRILLE
		RETURN OR OUTSIDE AIR DUCT UP
		SUPPLY DUCT UP
		EXHAUST AIR INTAKE UP
		RETURN OR OUTSIDE AIR DUCT DOWN
		SUPPLY DUCT DOWN
		EXHAUST DUCT DOWN
		ROUND DUCT UP
		ROUND DUCT DOWN
	AP	ACCESS PANEL
		EXISTING EQUIPMENT TO BE REMOVED
		EXISTING EQUIPMENT TO REMAIN
		NEW EQUIPMENT
T RTU-1	T-STAT	WALL MOUNTED THERMOSTAT MECHANICAL EQUIPMENT CONTROLLED
SA		SUPPLY AIR
RA		RETURN AIR
EA		EXHAUST AIR

SYMBOL	ABR.	DESCRIPTION
WET SIDE		
		PUMP
		REGULATOR
		UNION
		BUTTERFLY VALVE
		GATE VALVE
	CBV	CIRCUIT BALANCING VALVE
	BV	BALL VALVE
		PRESSURE GAUGE AND GAUGE COCK - WATER
		PRESSURE GAUGE AND GAUGE COCK - STEAM
		THERMOMETER AND THERMOWELL
		DIRECTION OF FLOW
		ELBOW UP
		ELBOW DOWN
		TEE UP
		TEE DOWN
		EXISTING PIPING TO BE REMOVED
		EXISTING PIPING TO REMAIN
		NEW PIPING
		PIPE CAP OR PLUG
		FLEXIBLE CONNECTION
	CW	CULINARY COLD WATER
	HW	CULINARY HOT WATER
		RECIRCULATED CULINARY HOT WATER
HWS		HEATING WATER SUPPLY
HWR		HEATING WATER RETURN
CHWS		CHILLED WATER SUPPLY
CHWR		CHILLED WATER RETURN

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.

GENERAL NOTES:

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.

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MECHANICAL LEGEND AND GENERAL NOTES

MG001

MECHANICAL DEMOLITION FLOOR PLAN

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

SHEET NOTES:

1. REMOVE DUCT PARTITION AT THIS APPROXIMATE LOCATION, FIELD VERIFY. PATCH AND REPAIR DUCT AS NECESSARY.
2. REMOVE DIFFUSER AND ASSOCIATED DUCT WORK BACK TO MAIN BRANCH AND CAP.
3. REMOVE DIFFUSER AND ASSOCIATED FLEX DUCT.
4. EXISTING THERMOSTAT TO BE RELOCATED. SEE ME101.
5. EXISTING COMBO LIGHT FIXTURE SUPPLY AIR DIFFUSER SHALL REMAIN.
6. EXISTING CEILING SUPPLY SHALL REMAIN.
7. EXISTING CEILING RETURN SHALL REMAIN.
8. EXISTING WINDOW SUPPLY TO REMAIN.
9. REMOVE RETURN GRILLE.
10. EXISTING RETURN GRILLE TO BE RELOCATED. SEE ME101.
11. EXISTING THERMOSTAT TO REMAIN.
12. EXISTING THERMOSTAT TO REMAIN. RELOCATED THERMOSTAT AS NECESSARY.

GENERAL NOTES:

1. COORDINATE ALL COMBO LIGHT FIXTURE SUPPLY AIR DIFFUSER BEING REMOVED WITH ELECTRICAL PLANS IN ADDITION TO THESE PLANS.

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MECHANICAL DEMOLITION FLOOR PLAN

MD101

MECHANICAL FLOOR PLAN

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

SHEET NOTES:

1. ADD NEW DIVIDER AT THIS LOCATION.
2. CONNECT NEW DIFFUSER TO EXISTING SUPPLY DUCT WORK. CONNECT TO SUPPLY BRANCH THAT SERVES THE SAME ROOM.
3. RELOCATE EXISTING THERMOSTAT TO THIS APPROXIMATE LOCATION.
4. EXISTING THERMOSTAT TO REMAIN.
5. EXISTING COMBO LIGHT FIXTURE SUPPLY AIR DIFFUSER SHALL REMAIN.
6. EXISTING CEILING SUPPLY SHALL REMAIN.
7. EXISTING CEILING RETURN SHALL REMAIN.
8. EXISTING WINDOW SUPPLY TO REMAIN.
9. TIE IN LOCATION IS APPROXIMATE. FIELD VERIFY EXACT LOCATION AND SIZE OF EXISTING DUCT PRIOR TO FABRICATION OR INSTALLATION.
10. MOVE EXISTING THERMOSTAT AS NECESSARY.
11. CONNECT TO EXISTING EXHAUST DUCT. MATCH EXISTING DUCT SIZE.
12. EXISTING GRILLE TO BE RELOCATED TO THIS LOCATION.

GENERAL NOTES:

1. FIELD VERIFY EXACT LOCATION AND CONDITION OF DUCT WORK. DIFFUSERS SHALL CONNECT TO DUCT WORK THAT SERVES THAT SAME ROOM. NO MORE THAN ONE DUCT SYSTEM SHALL SUPPLY THE SAME AREA.
2. BALANCE NEW DIFFUSERS AS CLOSE TO CFM LISTED WITHOUT MODIFYING FLOW TO EXISTING TO REMAIN DIFFUSERS.
3. PROVIDE RETURN AIR BOOT AT EACH NEW RETURN GRILLE PER DETAIL B4/ME601.

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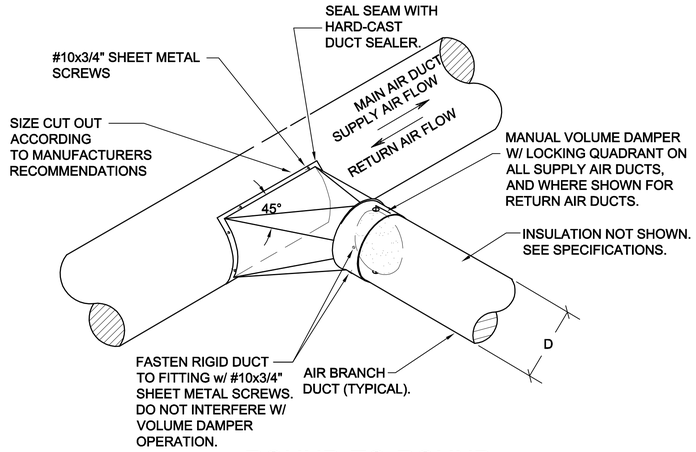
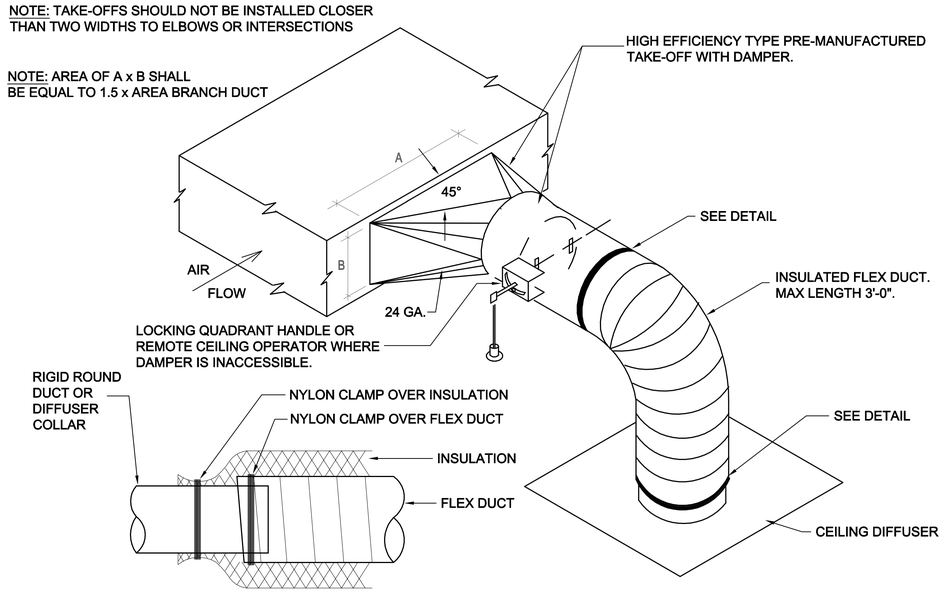
MECHANICAL FLOOR PLAN

ME101



C1 ROUND-TO-ROUND DUCT CONSTRUCTION DETAIL

SCALE: NONE



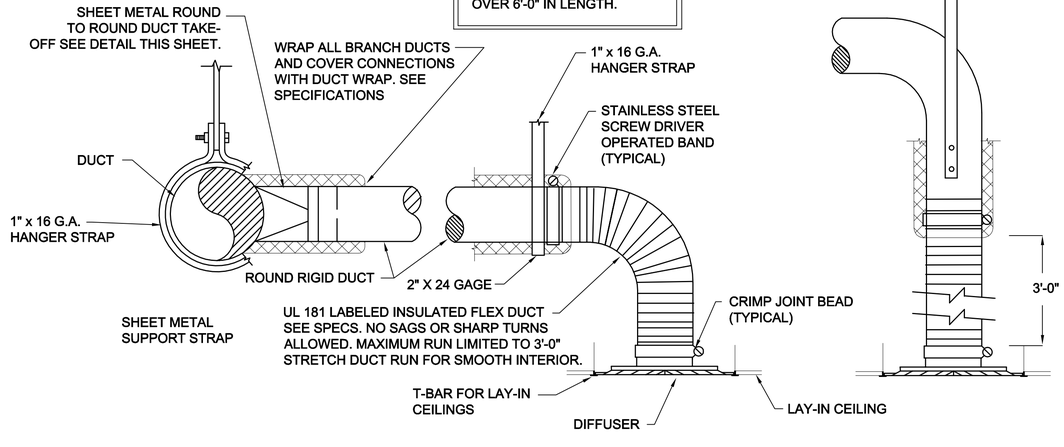
DETAIL
SCALE: NONE

C4 SQUARE-TO-ROUND TAKE-OFF DETAIL

SCALE: NONE

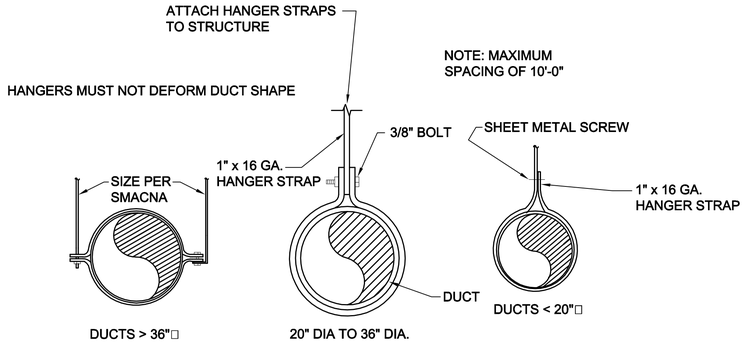
NOTE:
DUCT SHALL BE WRAPPED EXTERNALLY AS PER THE SPECIFICATIONS.

NOTE:
PROVIDE SUPPORT ON ALL BRANCH DUCT RUNOUTS. MINIMUM OF TWO SUPPORTS ON BRANCH DUCT SECTIONS OVER 6'-0" IN LENGTH.



A1 TYPICAL DIFFUSER CONNECTION DETAIL

SCALE: NONE



A4 ROUND DUCT SUPPORT DETAIL

SCALE: NONE

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MECHANICAL DETAILS

ME501

DIFFUSER SCHEDULE

SYMBOL	TYPE	MAX CFM	FACE SIZE	NECK SIZE	CEILING TYPE	BLOW	PATTERN	SCHEDULE NOTES
D-1 / CFM	CEILING	150	6X6	6"Ø	LAY-IN	4--WAY		1,2,3,4,5
D-2 / CFM	CEILING	300	9X9	8"Ø	LAY-IN	4--WAY		1,2,3,4,5
D-3 / CFM	CEILING	150	6X6	6"Ø	HARD	4--WAY		1,2,3,4,5

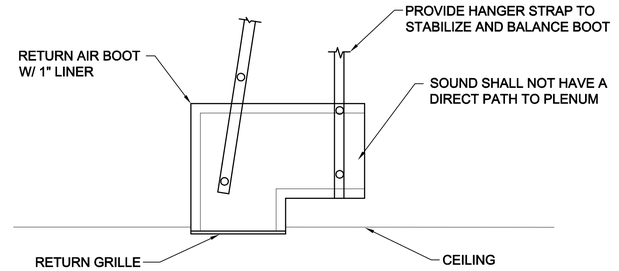
1. PROVIDE LAY-IN CEILING AND BORDER / MODULE AS REQUIRED. SEE ARCHITECTURAL CEILING PLANS.
2. MAXIMUM NC 25 AT CFM LISTED.
3. PROVIDE TRANSITION TO DIFFUSER NECK SIZE AS REQUIRED TO DUCT WORK SHOWN ON PLAN.
4. DIFFUSER SHALL BE PRICE MODEL SMD OR EQUAL BY APPROVED MANUFACTURER IN SPECIFICATIONS.
5. FINISH SHALL BE STANDARD WHITE.

REGISTER, LOUVER & GRILLE SCHEDULE

SYMBOL	TYPE	SERVICE	MAX CFM	NOMINAL SIZE	THROAT SIZE	CEILING TYPE	SCHEDULE NOTES
R-1	CEILING	RETURN	180	8/8	8/8	LAY-IN	1,2,3,4
R-2	CEILING	RETURN	250	10/10	10/10	LAY-IN	1,2,3,4
EG-1 / CFM	CEILING	EXHAUST	180	8/8	8/8	HARD	1,2,3,4

REGISTER. LOUVER AND DIFFUSER SCHEDULE NOTES:

1. MAXIMUM NC = 25 @ MAXIMUM CFM NOTED.
2. SHALL BE PRICE 535 OR EQUAL BY OTHER APPROVED MANUFACTURERS.
3. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
4. FINISH SHALL BE STANDARD WHITE.



B4 TYPICAL RETURN AIR BOOT DETAIL
SCALE: NONE

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REVISION NUMBER AND DATE:

AXIS JOB #:	
OWNER JOB #:	0903
DATE:	MAY 2009
DRAWN BY:	STAFF
CHECKED BY:	WP

MECHANICAL SCHEDULES

ME601

PLUMBING LEGEND			
MEANING	SYMBOL OR ABBREVIATION	MEANING	SYMBOL OR ABBREVIATION
HOT WATER LINE	——— - - ———	WALL CLEANOUT	WCO
COLD WATER LINE	——— – ———	CLEANOUT	CO
HOT WATER RECIRCULATING LINE	——— - - - ———	CLEANOUT TO GRADE	COTG
VENT LINE	– – – – – – – –	FLOOR CLEANOUT	FCO
WASTE LINE	▬▬▬▬▬▬	BALL VALVE	⏀
GAS LINE	———▫———▫———	UNION	———⊣⊢———
VENT THRU ROOF	VTR	CONNECTION TO EXISTING PIPING	◒
UNDER FLOOR	UF	REGULATOR	Ⓡ
SANITARY SEWER	▬▬ SS ▬▬	SOFT WATER	SW
PRIMARY ROOF DRAIN (PRD)	——— PD ———	SECONDARY ROOF DRAIN (SRD)	——— SD ———

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 SPECIFICATIONS, 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 SPECIFICATIONS, 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

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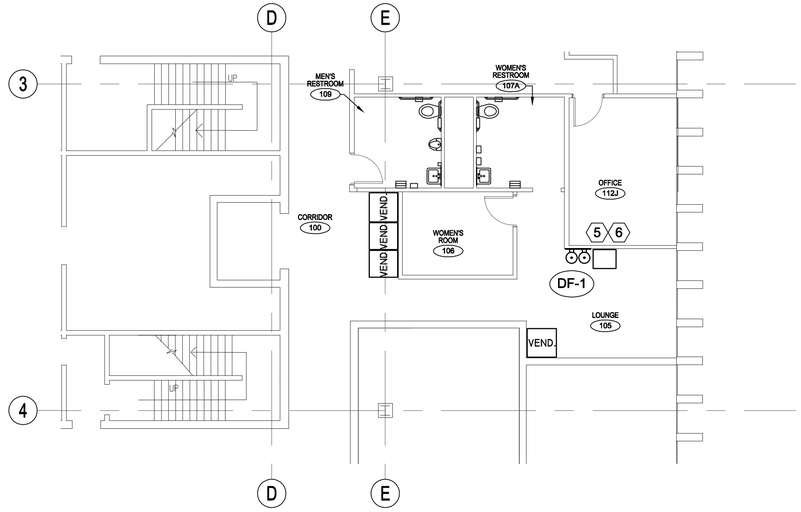
AXIS JOB #:
OWNER JOB #: 0903
DATE: MAY 2009
DRAWN BY: STAFF
CHECKED BY: WP

PLUMBING LEGEND AND GENERAL NOTES

P001

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	INDIVIDUAL LINE SIZES					REMARKS
		TRAP	WASTE	VENT	COLD WATER	HOT WATER	
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1-1/2"	1/2"	-	SEMI-RECESSED, NON-ELECTRIC, BI-LEVEL DRINKING FOUNTAIN. MODEL NO. ELKAY EDFPBM117C

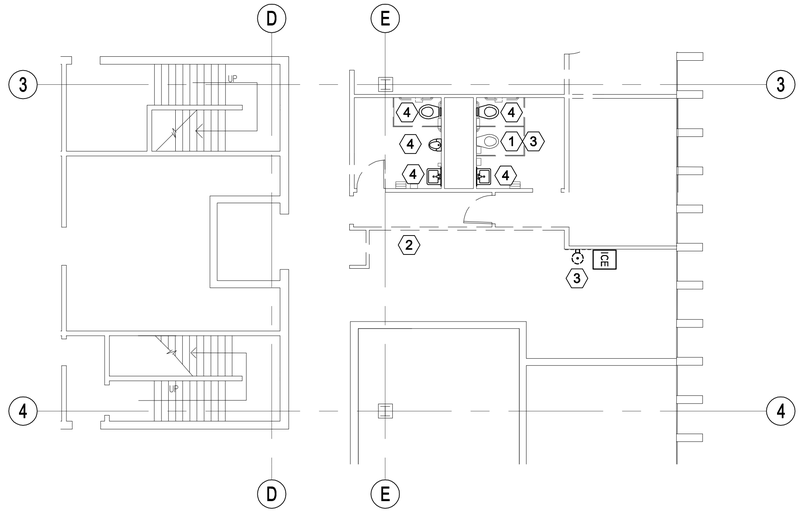


NEW PLUMBING FLOOR PLAN

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

SHEET NOTES:

1. REMOVE EXISTING PIPING BACK TO PLUMBING CHASE AND CAP FOR THIS FIXTURE.
2. REMOVE EXISTING PIPING FROM ABOVE VENDING AREA IN THIS APPROXIMATE LOCATION AND CAP ABOVE CEILING. FIELD VERIFY.
3. REMOVE EXISTING FIXTURE.
4. EXISTING FIXTURE TO REMAIN.
5. RELOCATE EXISTING FILTER AND PIPING SYSTEM TO NEW CABINET OVER ICE MAKER. CONCEAL ALL PIPING IN THE WALL. COORDINATE WITH ARCHITECTURAL PLANS.
6. EXISTING ICE MAKER TO REMAIN.



PLUMBING DEMOLITION FLOOR PLAN

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

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PLUMBING PLANS & SCHEDULES

PE101

LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	LAMP/FIXTURE INFORMATION		APPROVED MANUFACTURERS	CATALOG NUMBER
T-1	2'X4' LAY-IN DECORATIVE FLOURESCENT LIGHT FIXTURES. WITH STEP DIMMING BALLASTS (50% & 100%)	LAMP	2F 28	LITHONIA	2RT8B 232 MVOLT BILP xx (STEP DIM)
		VOLTAGE	MULTITAP	COLUMBIA	EPC24-228G-DL-ESDI04
		MOUNT	GRID	DAY BRITE	2STG232D-I20-2/I-EBI0I (STEP DIM)
		COLOR		METALUX	2AC232-UNV-ER8I-NDIM
		BALLAST	PROG/INST	PINNACLE	CJ24-2T8-GI-UNV-IC-W STEP DIMMING
T-2	4' FLUORESCENT WALL MOUNTED LIGHT FIXTURE.	LAMP	2F28	PRUDENTIAL	SI IT8 04' YGW I20 SUR xx B-.T8
		VOLTAGE	MULTITAP	ALWO	LPLWH-8-WD-2-28W-STD-UNV
		MOUNT	WALL	BIRCHWOOD	WP-2T8-EX-ACSIW-UNV-PRSEB-I32-H RW-AL
		COLOR		CREATIVE	CHI32EL-WHT-BF.T8
		BALLAST	PROG/INST	XAL	640-38I060
T-3	2'X2' LAY-IN DECORATIVE FLOURESCENT LIGHT FIXTURES. TO MATCH T-I WITHOUT STEP DIMMING.	LAMP	2F I4	LITHONIA	2RT8B 2I1 MVOLT BILP xx
		VOLTAGE	MULTITAP	COLUMBIA	EPC22-2I4G-DL-ESDI04
		MOUNT		DAY BRITE	2STG2I7D-I20-I/2-EBI0I
		COLOR		METALUX	2AC2I7-UNV-ER8I
		BALLAST	PROG/INST	PINNACLE	CJ22-2T8-GI-UNV-IC-W
T-4	SAME AS T-I WITHOUT STEP DIMMING	LAMP	2F 28	LITHONIA	2RT8B 232 MVOLT BILP xx
		VOLTAGE	MULTITAP	COLUMBIA	EPC24-228G-DL-EPU
		MOUNT	GRID	DAY BRITE	2STG232D-I20-I/2-EBI0I
		COLOR		METALUX	2AC232-UNV-ER8I
		BALLAST	PROG/INST	PINNACLE	CJ24-2T8-GI-UNV-IC-W
EX-1	DIE CAST LED EXIT SIGN WITH GREEN LETTERS. AND NICAD BATTERY PACK.	LAMP	3W LED	LITHONIA	LE S W I G I20/277
		VOLTAGE		DUAL LITE	CVDIGEW
		MOUNT	UNIV.	MCPHILBEN	ER55L-I-W-G
		COLOR	WHITE	ISOLITE	LPDGEMGSWHUN
		BALLAST	PROG/INST	LIGHTOLIER	LG-N-I-GC-W-SD2
EX-2	SAME AS EX-I EXCPET DOUBLE SIDED	LAMP	3W LED	LITHONIA	LE S W 2 G I20/277
		VOLTAGE	I20	DUAL LITE	CVD2GEW
		MOUNT	UNIV.	MCPHILBEN	ER55L-2-W-G
		COLOR	WHITE	ISOLITE	LPDGEMGDWHUN
		BALLAST	PROG/INST	LIGHTOLIER	LG-N-2-GC-W-SD2

NOTES:

1. ALL FLUORESCENT LIGHTS SHALL HAVE ELECTRONIC PROGRAMMABLE START BALLASTS, I0%, TOTAL HARMONIC DISTORTION. UNIVERSAL, ADVANCE AND SYLVANIA ARE APPROVED MANUFACTURERS. BALLASTS TO HAVE 5 YEAR WARRANTY.
2. ALL FLUORESCENT LAMPS SHALL HAVE 4100° COLOR TEMPERATURE.
3. FIELD VERIFY ALL LIGHTING VOLTAGES PRIOR TO PLACING ANY ORDER.
4. THE WRITTEN CRITERIA OF THE FIXTURE DESCRIPTION TAKES PRECEDENCE OVER THE CATALOG NUMBER.

RECEPTACLES SYMBOL LIST

SYMBOL	DESCRIPTION
	DUPLEX CONVENIENCE OUTLET - 20 AMP
	DUPLEX CONVENIENCE OUTLET - 20 AMP GROUND FAULT INTERRUPTER
	4-PLEX CONVENIENCE OUTLET - 20 AMP
	SPECIAL PURPOSE SINGLE PHASE OUTLET
	FLUSH FLOOR OUTLET BOX
J	JUNCTION BOX - SIZE AND FUNCTION AS REQUIRED

DISCONNECTS/CIRCUIT BREAKER SYMBOL LIST

SYMBOL	DESCRIPTION
	FUSED DISCONNECT SWITCH - SIZE AS REQUIRED
	MOTOR LOCATION

LIGHTING SYSTEMS SYMBOL LIST

SYMBOL	DESCRIPTION
J	LAY-IN MOUNTED FLUORESCENT FIXTURE
J	SURFACE MOUNTED FLUORESCENT FIXTURE
E	EMERGENCY LIGHTING
J	FLUORESCENT STRIP LIGHT FIXTURE
	RECESSED FIXTURE
	WALL MOUNTED FIXTURE
	EXIT LIGHT. ARROWS SHOW EXIT DIRECTION

SWITCHES SYMBOL LIST

SYMBOL	DESCRIPTION
$	SINGLE POLE TOGGLE SWITCH - 20 AMP
$a,b	SINGLE POLE TOGGLE SWITCH - 20 AMP, LETTERS INDICATE SWITCH ASSIGNMENT
$3	THREE WAY TOGGLE SWITCH - 20 AMP
U,I,DT	CEILING MOUNTED OCCUPANCY SENSOR - U = ULTRASONIC, I = INFRARED, DT = DUAL TECH.
U,I,DT	WALL MOUNTED OCCUPANCY SENSOR - U = ULTRASONIC, I = INFRARED, DT = DUAL TECH.
D	SLIDE CONTROL DIMMER

COMMUNICATION SYSTEMS SYMBOL LIST

SYMBOL	DESCRIPTION
	TELEPHONE TERMINAL BOARD
	FLUSH TELE/DATA OUTLET BY TELECOMMINICATIONS CONTRACTOR
	FLUSH FLOOR OUTLET WITH TELE/DATA
C	CLOCK LOCATION
S	SOUND SYSTEM SPEAKER

FIRE ALARM SYSTEMS SYMBOL LIST

SYMBOL	DESCRIPTION
S	FIRE ALARM SYSTEM PHOTOELECTRIC SMOKE DETECTOR
	FIRE ALARM HORN WITH STROBE, HIGH DECIBEL, +96" A.F.F.
	A.D.A. STROBE FOR FIRE ALARM, +96" A.F.F.

CALLOUT SYMBOL LIST

SYMBOL	DESCRIPTION
T-X	LIGHTING FIXTURE CALLOUT NUMBER INDICATES A SUGGESTED QUANTITY- TO BE VERIFIED
XX-X	MECHANICAL EQUIPMENT CALLOUT
X	REFERENCE NOTE CALLOUT

ABBREVIATIONS SYMBOL LIST

SYMBOL	DESCRIPTION
E	INDICATES DEVICE IS ON EMERGENCY CIRCUIT
F.A.C.P.	FIRE ALARM CONTROL PANEL
TYP	TYPICAL

GENERAL NOTES:

1. ALL MATERIALS TO BE REMOVED AND RETURNED TO THE OWNER. MATERIALS WHICH THE OWNER DECIDES NOT TO KEEP SHALL BE SALVAGED AND REMOVED FROM THE SITE BY THE CONTRACTOR.
2. ALL CONCEALED CONDUIT THAT CANNOT BE REMOVED SHALL BE CUT FLUSH WITH THE FINISH SURFACES AND CAPPED OFF AFTER THE WIRING HAS BEEN DISCONNECTED AT THE PANEL AND REMOVED FROM THE CONDUIT.
3. IN AREAS WHERE CIRCUIT CONTINUITY IS INTERRUPTED, BUT MUST BE MAINTAINED TO THE DEVICES WHICH ARE TO REMAIN, MAKE ALL THE NECESSARY MODIFICATIONS TO THE CIRCUITS IN ORDER TO MAINTAIN THE CIRCUIT INTEGRITY.
4. THE CONTRACTOR SHALL PATCH THE WALLS AND CEILINGS WHERE THE DEVICES ARE REMOVED TO MATCH THE EXISTING WALLS AND CEILINGS. COORDINATE WITH GENERAL CONTRACTOR.
5. THE COLOR OF ALL THE NEW DEVICES AND COVERPLATES SHALL MATCH THE COLOR OF THE EXISTING DEVICES AND COVERPLATES.
6. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES.
7. COORDINATE WITH THE OWNER AND ARCHITECT FOR THE EXACT LOCATION OF THE OUTLETS.
8. PRIOR TO SUBMITTING A BID THE ELECTRICAL CONTRACTOR SHALL INSPECT THE SITE AND INCLUDE IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS. SHOP DRAWINGS ARE REQUIRED. ALL LABOR, MATERIAL AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF I YEAR FROM THE DATE OF ACCEPTANCE BY THE TENANT. REPLACE OR REPAIR ALL DEFECTS DURING THE GUARANTEED PERIOD.
9. THE CONTRACTOR SHALL INFORM THE ARCHITECT/ENGINEER IN WRITING OF ANY DISCREPANCIES FOUND BETWEEN THE INTENDED FUNCTION OF EQUIPMENT AND EQUIPMENT SPECIFIED IN THE CONTRACT DOCUMENTS A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL BID. FAILURE TO REPORT ANY DISCREPANCY (CATALOG NUMBERS, DISCONTINUED ITEMS, ETC.) DOES NOT RELIEVE THE CONTRACTOR FROM PROVIDING EQUIPMENT WHICH SHALL CONFORM TO AND FULFILL THE INTENT OF THE CONTRACT DOCUMENTS. NOR SHALL IT BE USED AS A CONDITION TO OBTAIN ADDITIONAL FUNDS FROM THE OWNER AFTER THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL REQUEST ALL CLARIFICATIONS OF CONTRACT DOCUMENT REQUIREMENTS IN WRITING TO THE ARCHITECT/ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ISSUANCE OF THE FINAL ADDENDUM.
10. THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE MECHANICAL CONTRACTOR SO THAT NO PIPING, DUCTS, OR OTHER EQUIPMENT SHALL BE INSTALLED IN ENTRY OR PASS THROUGH ELECTRICAL ROOM OR SPACES ABOVE OR BELOW ELECTRICAL PANELS.
11. ELECTRICAL CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS (VOLTAGE, PHASE, CONNECTION REQUIREMENT, ETC.) OF EQUIPMENT FURNISHED UNDER OTHER DIVISIONS WITH APPROVED SHOP DRAWINGS PRIOR TO BEGINNING ROUGH-IN.
12. MINIMUM SIZE OF CONDUIT TO BE 3/4". ALUMINUM CONDUITS SHALL NOT BE USED.
13. USE RIGID STEEL SET SCREW TYPE FITTINGS ONLY. DIE CAST FITTINGS SHALL NOT BE USED.
14. RUN A NEUTRAL CONDUCTOR FOR EACH PHASE CONDUCTOR (EACH CIRCUIT) IN A CONDUIT. NOT MORE THAN THREE (3) CIRCUITS IN A CONDUIT. THREE (3) PHASE CONDUCTORS, THREE (3) NEUTRAL CONDUCTORS (ONE FOR EACH PHASE) AND ONE (1) GROUND CONDUCTOR FOR A TOTAL OF SEVEN (7) CONDUCTORS.
15. FOR SPECIFICATION OF PULL WIRES IN EMPTY CONDUITS, REFER TO THE ELECTRICAL SPECIFICATION FOR RACEWAYS SECTION I6II0.
16. THE MINIMUM SIZE OF THE CONDUCTORS ARE TO BE #12 AWG THHN COPPER, UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
17. ALL J-BOXES SHALL HAVE MINIMUM DEPTH OF 2-I/8" UNLESS OTHERWISE SPECIFIED. SECURE ALL J-BOXES AS SHOWN IN THE DETAILS. FURNISH AND INSTALL PROPER MUD RINGS.
18. ALL NEW EXPOSED CONDUIT MUST RUN AGAINST THE WALLS OR CEILINGS. DO NOT PENDANT MOUNT ANY CONDUIT FROM THE CEILINGS.
19. AT THE END OF THE JOB, PROVIDE BLANK COVER PLATES TO MATCH THE OTHER COVER PLATES FOR ALL J-BOXES WHERE DEVICES HAVE NOT YET BEEN INSTALLED.
20. SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS WITH FIRE RATED MATERIAL. 3M IS AN APPROVED MANUFACTURER.
21. ALL ELECTRICAL WIRING MUST BE IN CONDUIT (ROMEX AND MC CABLE NOT PERMITTED).
22. FLEXIBLE CONDUITS CAN ONLY BE USED FOR SHORT RUNS (6' MAXIMUM).
23. NO CONDUITS SHALL RUN IN DUCT WORK.
24. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE ELECTRICAL CONNECTIONS TO ALL THE EQUIPMENT BY PROVIDING THE NECESSARY MALE/FEMALE CONNECTOR, RECEPTACLE, PLUG, ETC.
25. CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE OVER SHOP DRAWINGS UNLESS SPECIFICALLY NOTED OTHERWISE.
26. PROVIDE TYPED LABEL FOR ALL DUPLEX OUTLETS AND LIGHT SWITCHES TO INDICATE WHICH CIRCUIT THEY ARE TIED TO.
27. ALL DUPLEX OUTLETS AND SWITCHES SHALL BE 20 AMP., I20 VOLT SPEC GRADE. HUBBELL AND PASS & SEYMOUR AND LEVITON ARE APPROVED MANUFACTURERS.
28. LIGHT SWITCHES INSTALLED ADJACENT TO EACH OTHER, SHALL BE GANGED TOGETHER WITH ONE PIECE COVERPLATE.
29. INSTALL LIGHT SWITCHES AS CLOSE AS POSSIBLE TO THE DOOR. COORDINATE EXACT LOCATION OF LIGHT SWITCHES WITH ARCHITECT.
30. SUPPORT THE LAY-IN TYPE FIXTURES FROM THE CEILING DECK INDEPENDENT OF THE CEILING GRID, AS SHOWN ON THE TYPICAL RECESSED FIXTURE MOUNTING DETAIL.
31. INSTALL EXIT SIGNS ON THE WALL IF POSSIBLE.
32. PROVIDE UPDATED, TYPED WRITTEN, PANEL SCHEDULES FOR NEW AND EXISTING PANELBOARDS SHOWING CIRCUIT CHANGES MADE DURING THIS PROJECT.
33. UPDATE THE BUILDING FIRE ALARM SCHEMATIC DRAWINGS TO SHOW LOCATIONS OF NEW AND EXISTING FIRE ALARM DEVICES CHANGED DURING THIS PROJECT. FIRE ALARM SYSTEM SHALL BE TESTED FOR PROPER OPERATION AT THE END OF THE PROJECT. ALL TESTS AND REPORTS SHALL BE COMPLIANT WITH NFPA 72 CHAPTER 7. COORDINATE TESTING WITH THE OWNER AND FIRE MARSHALL.
34. PAINT ALL THE J-BOXES FOR FIRE ALARM SYSTEM WITH RED PAINT. ALL THE CONDUIT FOR FIRE ALARM SYSTEM SHALL BE RED.
35. ALL NEW WORK MUST MEET THE CURRENT ADOPTED NATIONAL ELECTRICAL CODE.
36. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED AND NEW.

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Construction Documents

REVISION NUMBER AND DATE:

ECE JOB #:	3836
OWNER JOB #:	
DATE:	5/14/09
DRAWN BY:	JSK
CHECKED BY:	AM

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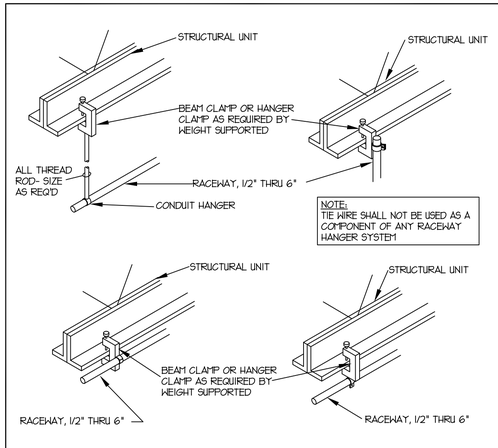
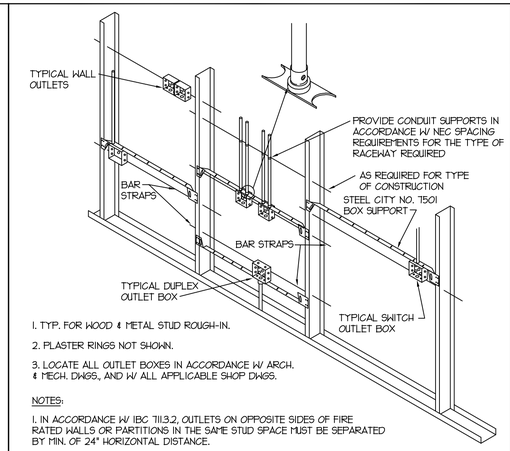


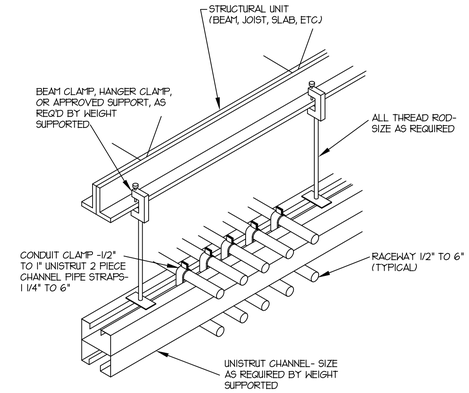
SCALE: N.T.S.

TYPICAL RACEWAY SUPPORT METHODS DETAIL



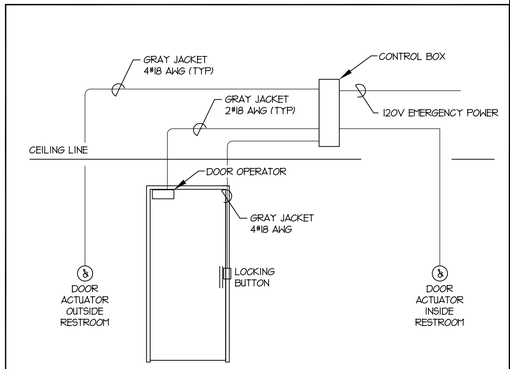
SCALE: N.T.S.

TYPICAL ROUGH-IN REQUIREMENTS DETAIL



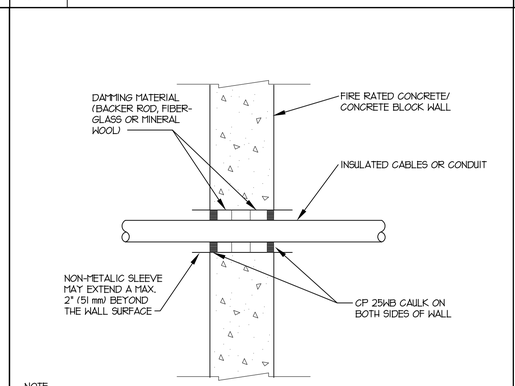
SCALE: N.T.S.

TYPICAL CONDUIT RACK DETAIL



SCALE N.T.S.

HC DOOR INTERLOCK

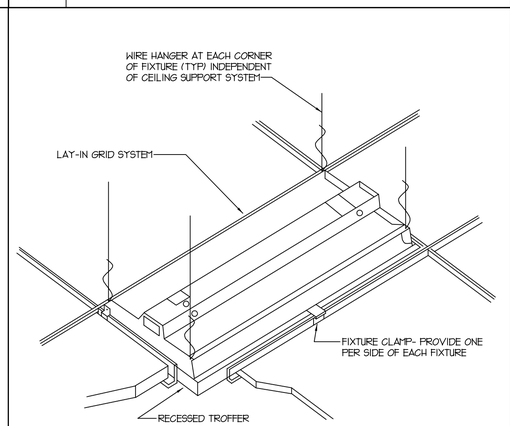


NOTE:
TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.

UL SYSTEM #49

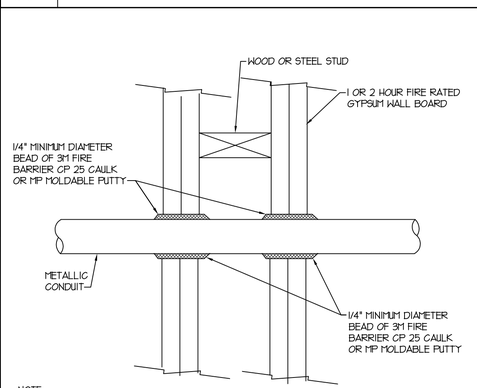
SCALE: N.T.S.

TYPICAL FIRESTOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS



SCALE: N.T.S.

TYPICAL RECESSED FIXTURE MOUNTING DETAIL

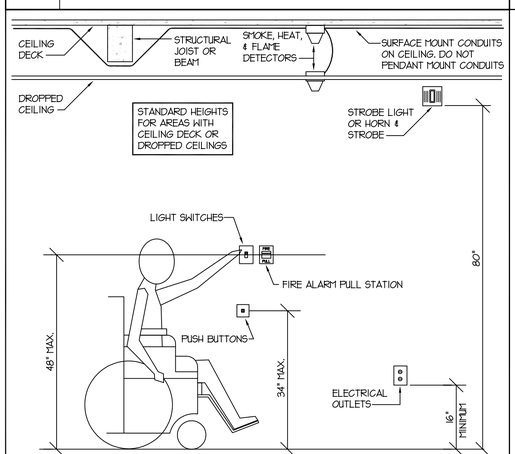


NOTE:
TYPICAL DETAILS SHOWING GENERAL FIRE STOPPING PROCEDURE. ACTUAL PROCEDURE DEPENDS UPON ANNULAR SPACE BETWEEN PIPE AND/OR INSULATION AND OPENING. FOLLOW MANUFACTURER'S INSTRUCTIONS.

UL SYSTEM #147

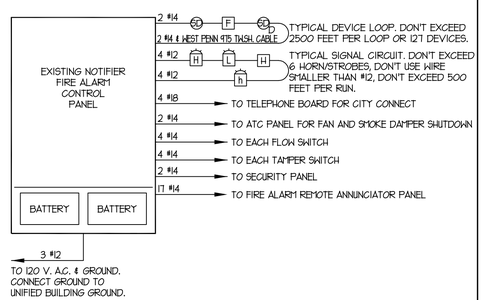
SCALE: N.T.S.

FIRESTOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD



SCALE: N.T.S.

STANDARD HEIGHTS FOR HANDICAPPED ACCESS



NOTE:
1. IN AND OUT CABLES TO THE DEVICES MUST RUN IN A SEPERATE CONDUIT. 3/4" CONDUIT SHALL BE THE MINIMUM SIZE.

SCALE: N.T.S.

TYPICAL FIRE ALARM RISER DIAGRAM

IF PANEL BOARD IS FEED FROM A TRANSFORMER LOCATED IN THE SAME ROOM AS THE PANEL. THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

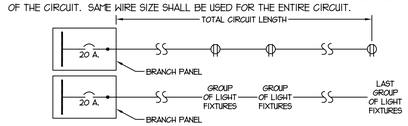
	120 VOLTS	277 VOLTS
a- USING #12 AWG	90 FT.	180 FT.
b- USING #10 AWG	150 FT.	300 FT.
c- USING #8 AWG	250 FT.	450 FT.
d- USING #6 AWG	380 FT.	700 FT.

THE ABOVE CIRCUIT LENGTHS ARE BASED ON 4% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.

IF PANELBOARD IS FEED FROM A TRANSFORMER LOCATED REMOTLY FROM THE PANEL. THE TOTAL LENGTH OF BRANCH CIRCUITS SHALL NOT EXCEED THE FOLLOWING:

	120 VOLTS	277 VOLTS
a- USING #12 AWG	75 FT.	180 FT.
b- USING #10 AWG	125 FT.	260 FT.
c- USING #8 AWG	205 FT.	420 FT.
d- USING #6 AWG	325 FT.	660 FT.

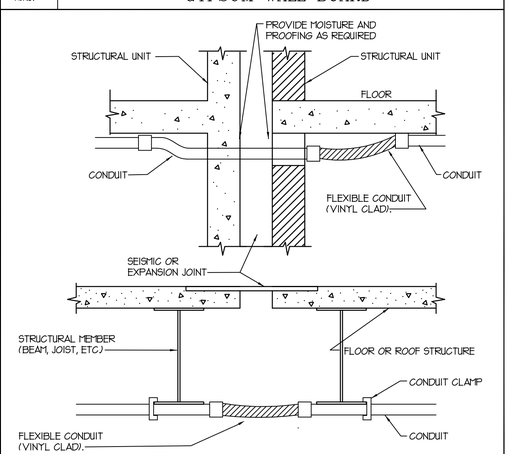
THE ABOVE CIRCUIT LENGTHS ARE BASED ON 3% VOLTAGE DROP AT 16 AMPS LOAD AT THE END OF THE CIRCUIT. SAME WIRE SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT.



BRANCH CIRCUIT DEFINITION:
CIRCUIT ORIGINATING FROM A 20 AMP CIRCUIT BREAKER IN A BRANCH PANEL AND ENDING AT THE LAST DUPLEX OUTLET ON THE CIRCUIT OR ENDS AT THE LAST LIGHT FIXTURE.

SCALE: N.T.S.

TYPICAL BRANCH CIRCUIT LENGTH DETAIL



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CONDUIT CROSSING SEISMIC OR EXPANSION JOINT DETAIL

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REVISION NUMBER AND DATE:

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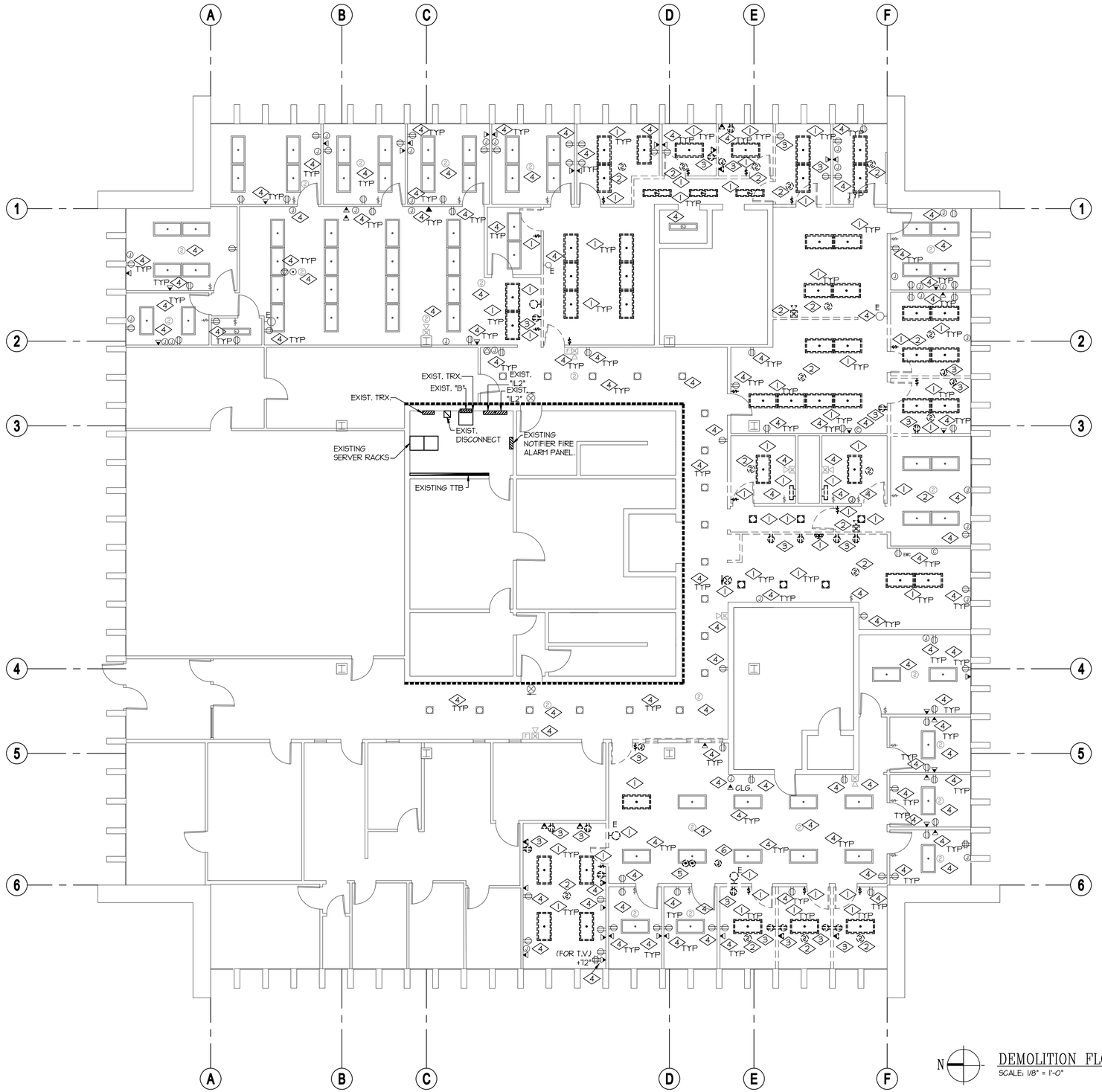

REFERENCE NOTES:

1. REMOVE ALL EXISTING LIGHT FIXTURES, LIGHT SWITCHES, MOTION SENSORS, ETC., WHETHER OR NOT SHOWN ON THE DRAWINGS. UTILIZE EXISTING LIGHTING CIRCUIT FOR NEW LIGHT FIXTURES. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD.
2. REMOVE THE EXISTING FIRE ALARM DEVICES SHOWN. UTILIZE EXISTING CONDUIT AND CONDUCTORS AS POSSIBLE. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS. CLEAN AND CALIBRATE SMOKE DETECTORS. STORE FIRE ALARM DEVICES FOR REINSTALLATION. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID THE COST FOR CLEANING, CALIBRATION, STORAGE, ETC. FIELD VERIFY EXACT NUMBER AND QUANTITY OF DEVICES.
3. REMOVE EXISTING OUTLETS, VOICE/DATA BOXES, J-BOXES, CONDUIT, CONDUCTORS, ETC., SHOWN. REMOVE CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARDS. CUT THE CONDUIT IN MASONRY WALL FLUSH WITH MASONRY WALL SURFACES AND LEAVE THE J-BOXES IN PLACE. COORDINATE WITH WSU IT GROUP FOR REMOVABLE OF VOICE/DATA CABLES.
4. EXISTING OUTLETS, LIGHT FIXTURES, SWITCHES, J-BOXES, CONDUIT, CONDUCTORS, FIRE ALARM DEVICES, ETC. ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
5. REMOVE EXISTING FLOOR BOX, ASSOCIATED CONDUIT AND CONDUCTORS ALL THE WAY BACK TO PANELBOARD. PROVIDE BLANK COVER.
6. EXISTING FLOOR ACCESS BOX IS TO REMAIN.

SPECIAL NOTES:

1. REMOVE ALL SUPPORTING HANGERS FOR LIGHT FIXTURES FROM THE CEILING DECK.
2. CONTRACTOR MUST REFER TO MECHANICAL DEMOLITION WORK FOR ADDITIONAL ELECTRICAL WORK REQUIRED FOR MECHANICAL EQUIPMENTS.

GENERAL DEMOLITION NOTES:

1. UNDER DEMOLITION THE INTENT OF ELECTRICAL WORK IS TO REMOVE ALL ELECTRICAL DEVICES, LIGHT FIXTURES, CONDUIT, CONDUCTORS, J-BOXES, FIRE ALARM DEVICES, VOICE/DATA CABLING, VOICE/DATA OUTLETS, ETC. UNLESS INDICATED OTHERWISE. CONDUITS AND J-BOXES IN CONCRETE, MASONRY, AND BLOCK WALLS CAN BE LEFT IN THE WALLS AND REUSED FOR NEW DEVICES AS POSSIBLE. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, PANELBOARDS, ETC., WILL BE NEW. BUILDING SHALL BE STRIPPED OF ALL MATERIALS.
2. ALL MATERIAL MUST BE REMOVED AND DISPOSED OF BY DEMOLITION CONTRACTOR, UNLESS INDICATED OTHERWISE ON DEMOLITION PLANS.
3. EXISTING DEMOLITION MATERIALS CAN NOT BE REUSED UNLESS INDICATED OTHERWISE.
4. ELECTRICAL CONTRACTOR IS TO PROVIDE TEMPORARY LIGHTING AND POWER FOR OTHER TRADES DURING DEMOLITION WORK. COORDINATE THIS WORK WITH THE GENERAL CONTRACTOR.
5. PRIOR TO SUBMITTING A BID THE DEMOLITION CONTRACTOR SHALL INSPECT THE SITE AND INCLUDED IN HIS BID PACKAGE ALL CHARGES DUE TO EXISTING CONDITIONS.
6. ANY DAMAGE DONE TO EXISTING EQUIPMENT WHICH IS TO REMAIN WILL BE DEMOLITION CONTRACTOR RESPONSIBILITY TO REPLACE THEM WITH NEW ONES.

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DEMOLITION FLOOR PLAN – ELECTRICAL

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

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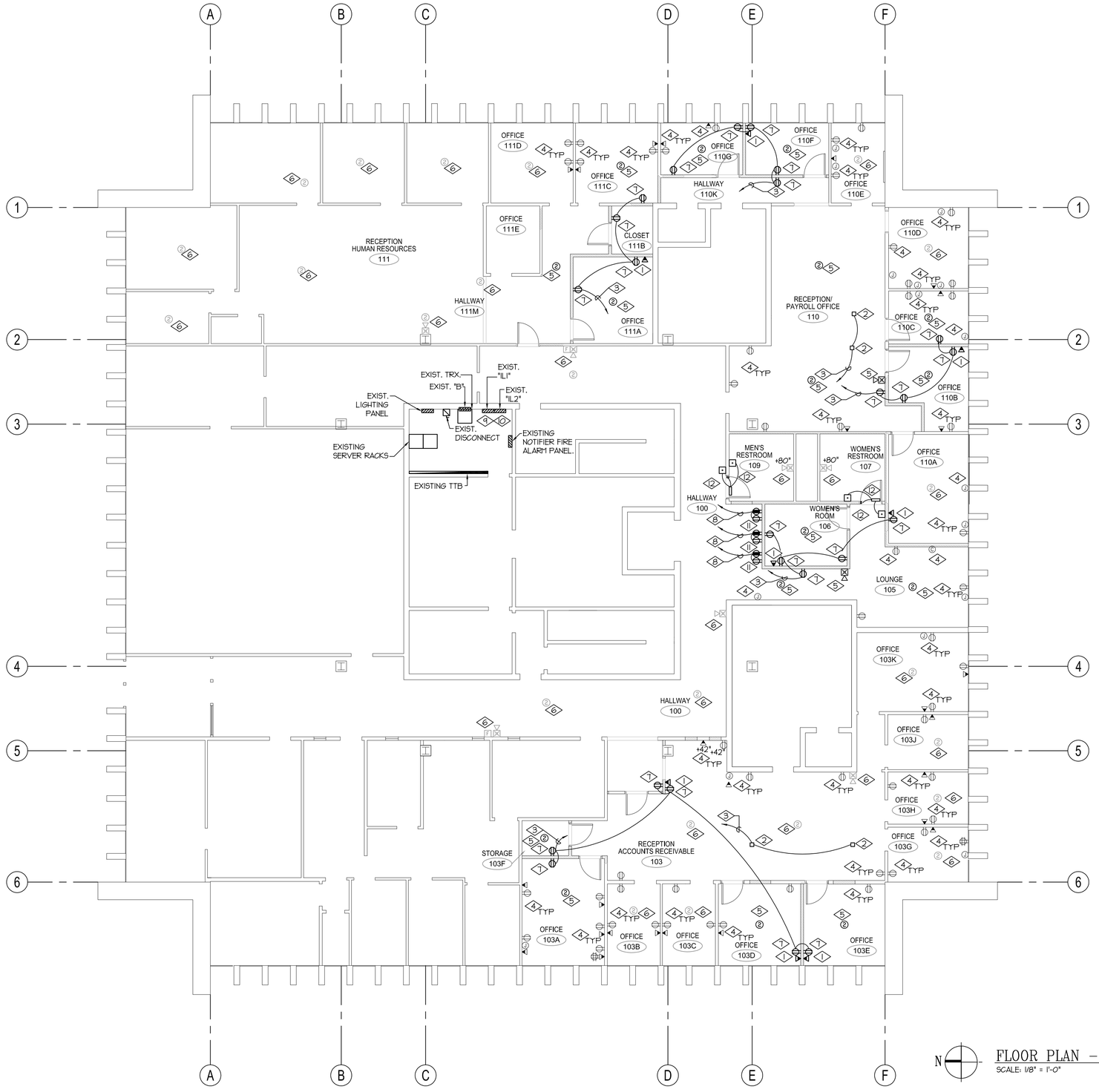

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FLOOR PLAN – ELECTRICAL

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

REFERENCE NOTES:

1. FURNISH AND INSTALL A 4"X4"X2-1/8"D J-BOX WITH SINGLE GANG MUD RING IN THE WALL FOR VOICE/DATA JACKS. RUN (2) 1" CONDUITS FROM J-BOX TO ACCESSIBLE CEILING PLENUM. INSERT PULL STRING AND LABEL. COORDINATE WITH WSU ID GROUP.
2. FURNISH AND INSTALL A NEW WIREMOLD POWER POLE CAT. # V5662345 IN THE APPROXIMATE LOCATION SHOWN. POLE IS TO EXTEND 12" ABOVE THE LAY-IN CEILING. CUT OFF ANY EXTRA LENGTH IN THE FIELD. RUN FLEX CONDUIT FROM FURNITURE FEED IN BOTTOM OF POWER POLE TO FURNITURE. COORDINATE EXACT LOCATION OF POLE WITH ARCHITECT.
3. TIE NEW CIRCUIT TO A 20A. 1-POLE CIRCUIT BREAKER IN EITHER PANEL "1L1" OR "1L2" WITH AVAILABLE SPACE. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
4. EXISTING OUTLETS, J-BOXES, CONDUIT, CONDUCTORS, ETC. ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
5. INSTALL NEW AND EXISTING FIRE ALARM DEVICES IN THE APPROXIMATE LOCATION SHOWN. NEW DEVICES MUST BE COMPATIBLE WITH THE EXISTING NOTIFIER SYSTEM. TIE THE DEVICES TO EXISTING FIRE ALARM CONTROL PANEL IN CLASS "A" LOOP. IN AND OUT CABLES TO DEVICES MUST RUN IN A SEPARATE CONDUIT. DO NOT SPLICE THE CABLES BETWEEN DEVICES. PROVIDE ALL THE PARTS NECESSARY FOR A COMPLETE INSTALLATION.
6. EXISTING FIRE ALARM DEVICES, ARE TO REMAIN. MAINTAIN CIRCUIT INTEGRITY TO THESE DEVICES.
7. FURNISH AND INSTALL NEW DUPLEX OUTLETS IN THE APPROXIMATE LOCATION SHOWN.
8. TIE NEW VENDING MACHINES TO EXISTING VENDING MACHINE CIRCUITS WHICH WERE REMOVE UNDER DEMOLITION. EXTEND CONDUIT AND CONDUCTORS TO NEW VENDING MACHINE LOCATIONS.
9. EXISTING PANEL "1L1" HAS (3) THREE SPACES. FURNISH AND INSTALL (3) THREE 20 AMP, 1-POLE CIRCUIT BREAKERS. WITH THE SAME AIC AS EXISTING. UPDATE PANEL SCHEDULE AT THE END OF THE PROJECT.
10. EXISTING PANEL "1L2" HAS (1) ONE 20 AMP, 1-POLE AND (1) ONE 3-POLE CIRCUIT BREAKER. REPLACE 3-POLE SPARE CIRCUIT BREAKER WITH (3) THREE 20 AMP, 1-POLE CIRCUIT BREAKERS. UPDATE PANEL SCHEDULE AT THE END OF THE PROJECT.
11. INSTALL GFI OUTLET ABOVE VENDING MACHINE FOR EASE OF ACCESS.
12. TIE THE DOOR OPERATOR FOR HANDICAP DOOR TO A 20 AMP, 1-POLE CIRCUIT BREAKER IN EXISTING EMERGENCY PANEL. DOOR BUTTONS AND DOOR LOCK BUTTONS ARE PROVIDED BY OTHERS. CONTRACTOR IS TO INSTALL THE BUTTONS AND TIE TO THE DOOR OPERATOR. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION. REFER TO HD OPERATOR DETAIL AND MANUFACTURER WIRING DIAGRAMS FOR MORE INFORMATION. COORDINATE THIS WORK WITH GENERAL CONTRACTOR. PROVIDE A 20 AMP, 1-POLE CIRCUIT BREAKER IN EMERGENCY PANEL.

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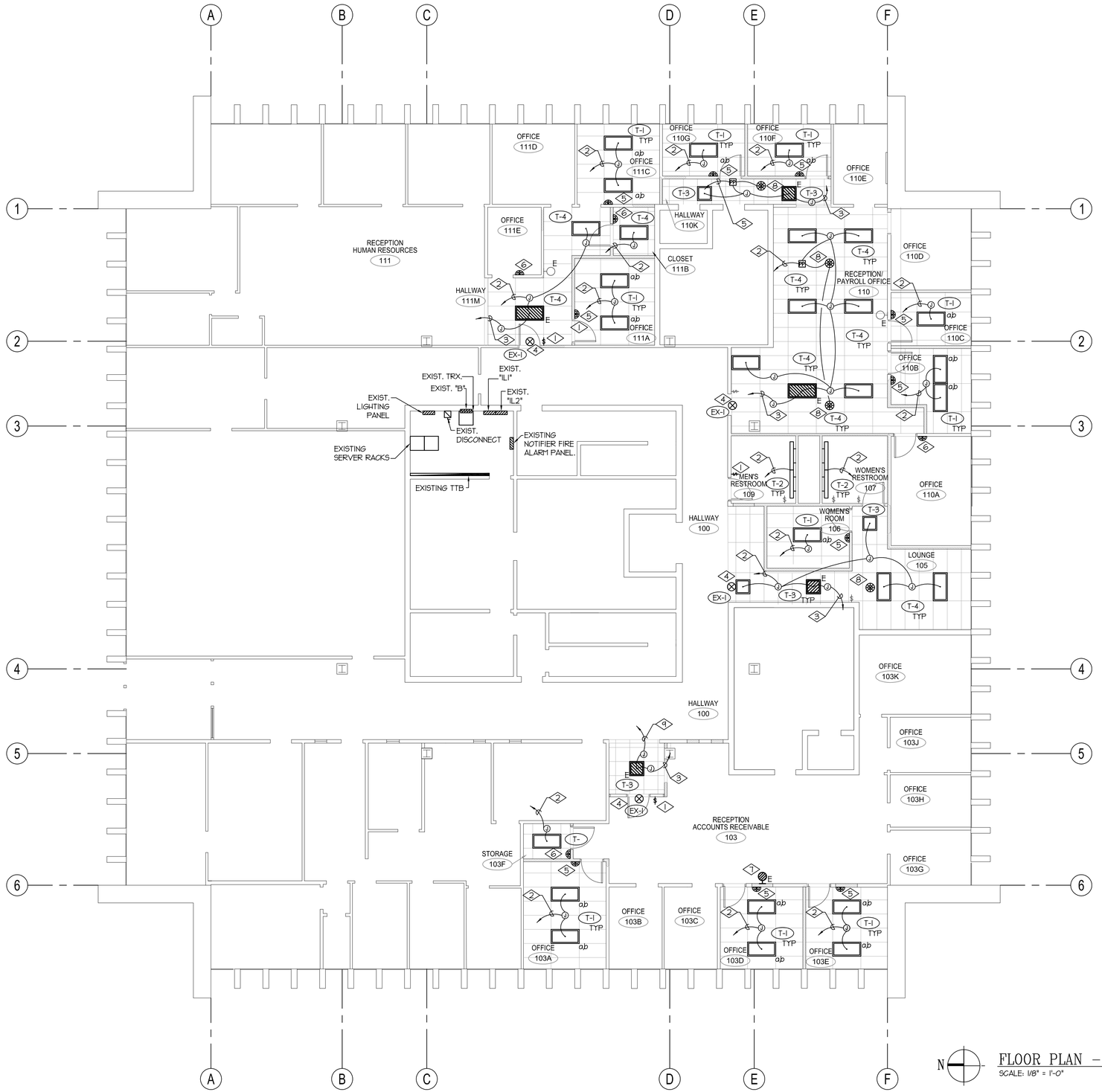

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FLOOR PLAN – LIGHTING

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

REFERENCE NOTES:

1. FURNISH AND INSTALL NEW LIGHT SWITCHES IN THE APPROXIMATE LOCATIONS AS SHOWN. TIE LIGHT FIXTURES TO THEIR LIGHTING CIRCUIT THROUGH THE NEW LIGHT SWITCH. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
2. TIE NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT IN THE ROOM THROUGH NEW MOTION SENSORS. RE-USE EXISTING CONDUIT AS POSSIBLE. REMOVE ALL UNUSED CONDUIT AND CONDUCTORS.
3. FURNISH AND INSTALL A BODINE AUTOMATIC TRANSFER SWITCH (CATMGTD OR APPROVED EQUAL) FOR DESIGNATED EMERGENCY LIGHT FIXTURE. TIE THE TRANSFER SWITCH TO EXISTING EMERGENCY LIGHTING CIRCUIT AND NORMAL POWER SUCH AS WHEN COMMERCIAL POWER FAILS THE EMERGENCY LIGHT COME ON AUTOMATICALL, RUN UNSWITCHED NORMAL POWER TO BODINE TRANSFER SWITCH. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION.
4. TIE EXIT SIGNS TO NEAREST UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
5. FURNISH AND INSTALL A WALL MOUNTED DUAL TECHNOLOGY, BI-LEVEL CONTROL SWITCH WITH LIGHT SENSOR. WATTSTOPPER CAT # DW-200 TO CONTROL NEW LIGHT FIXTURES. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION.
6. FURNISH AND INSTALL A WALL MOUNTED MOTION SENSOR WITH AUTO-OFF SWITCH IN THE APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DW-100 OR APPROVED EQUAL.
7. REINSTALL EXISTING EMERGENCY LIGHT ON NEW WALL AS SHOWN. EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW LOCATION FOR A COMPLETE INSTALLTION.
8. FURNISH AND INSTALL DUAL TECHNOLOGY OCCUPANCY SENSOR COMPLETE WITH LIGHT LEVEL SENSOR, POWER PACK AND ISOLATED RELAY WITH AUXILIARY CONTACTS IN APPROXIMATE LOCATION SHOWN. WATTSTOPPER TYPE DT-300 OR APPROVED EQUAL. TIE THE LIGHT FIXTURES TO THE WALL SWITCH THROUGH THE POWER PACK. TIE THE MOTION SENSOR TO POWER PACK. REFER TO MANUFACTURER WIRING DIAGRAM FOR MORE INFORMATION. PROVIDE CONDUIT AND CONDUCTORS FOR A COMPLETE INSTALLATION.
9. TIE NEW LIGHT FIXTURE TO EXISTING LIGHT FIXTURES IN THE CORRIDOR.

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