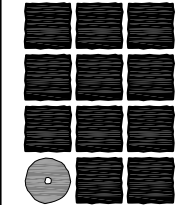


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City and Borough of Juneau
Bartlett Regional Hospital
Server Room Cooling System Replacement
CBJ Contract No. E12-149
Juneau, Alaska
December 1, 2011

ARCHITECT JENSEN YORBA LOTT, INC 522 WEST 10TH STREET JUNEAU, ALASKA 99801 (907) 586-1070 FAX (907) 586-3959		MECHANICAL ENGINEER MURRAY & ASSOCIATES, P.C. P.O. BOX 21081 JUNEAU, AK 99802 (907) 780-6151 FAX (907) 780-6182		ELECTRICAL ENGINEER HAIGHT & ASSOCIATES, INC. 526 MAIN STREET JUNEAU, ALASKA 99801 (907) 586-9788 FAX (907) 586-5774																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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FABRIC</td></tr><tr><td></td><td></td><td>FDN</td><td>FOUNDATION</td><td>MIN</td><td>MINIMUM</td><td>SHR</td><td>SHOWER</td><td></td><td></td></tr><tr><td>BD</td><td>BOARD</td><td>FEC</td><td>FIRE EXTINGUISHER CABINET</td><td>MISC</td><td>MISCELLANEOUS</td><td>SHTH</td><td>SHEATHING</td><td></td><td></td></tr><tr><td>BLDG</td><td>BUILDING</td><td>FF</td><td>FINISH FLOOR</td><td>MTD</td><td>MOUNTED</td><td>SIM</td><td>SIMILAR</td><td></td><td></td></tr><tr><td>BLKG</td><td>BLOCKING</td><td>FHC</td><td>FIRE HOSE CABINET</td><td>MTL</td><td>METAL</td><td>SND</td><td>SANITARY NAPKIN DISPENSER</td><td></td><td></td></tr><tr><td>BM</td><td>BEAM</td><td>FIN</td><td>FINISH</td><td>MUL</td><td>MULLION</td><td>SNR</td><td>SANITARY NAPKIN RECEPTACLE</td><td></td><td></td></tr><tr><td>BOT</td><td>BOTTOM</td><td>FLASH</td><td>FLASHING</td><td>NIC</td><td>NOT IN CONTRACT</td><td>SPEC</td><td>SPECIFICATIONS</td><td></td><td></td></tr><tr><td></td><td></td><td>FLR</td><td>FLOOR</td><td>NO OR #</td><td>NUMBER</td><td>SQ</td><td>SQUARE</td><td></td><td></td></tr><tr><td>CAB</td><td>CABINET</td><td>FOC</td><td>FACE OF CONCRETE/CURB</td><td>NOM</td><td>NOMINAL</td><td>SQFT</td><td>SQUARE FOOT</td><td></td><td></td></tr><tr><td>CB</td><td>CATCH BASIN</td><td>FOF</td><td>FACE OF FINISH</td><td>NTS</td><td>NOT TO SCALE</td><td>SOYD</td><td>SQUARE YARD</td><td></td><td></td></tr><tr><td>CEM</td><td>CEMENT</td><td>FOS</td><td>FACE OF STUD (GLASS) FIBER REINFORCED PLASTIC</td><td>OA</td><td>OVERALL</td><td>STA</td><td>STATION</td><td></td><td></td></tr><tr><td>CG</td><td>CORNER GUARD</td><td>FRP</td><td>FIRE RETARDANT</td><td>OC</td><td>ON CENTER</td><td>STC</td><td>SOUND TRANSMISSION CLASS</td><td></td><td></td></tr><tr><td>CI</td><td>CAST IRON</td><td>FR</td><td>FOOT OR FEET</td><td>OD</td><td>OUTSIDE DIAMETER</td><td>STD</td><td>STANDARD</td><td></td><td></td></tr><tr><td>CLG</td><td>CEILING</td><td>FT</td><td>FOOTING</td><td>OFCI</td><td>OWNER FURNISHED CONTRACTOR INSTALLED</td><td>STL</td><td>STEEL</td><td></td><td></td></tr><tr><td>COL</td><td>COLUMN</td><td>FTG</td><td>FOOTING</td><td>OFI</td><td>OWNER FURNISHED CONTRACTOR INSTALLED</td><td>STOR</td><td>STORAGE</td><td></td><td></td></tr><tr><td>CONC</td><td>CONCRETE</td><td>FURR</td><td>FURRING</td><td>OFD</td><td>OWNER INSTALLED OVERFLOW DRAIN</td><td>STRUCT</td><td>STRUCTURAL</td><td></td><td></td></tr><tr><td>CONT</td><td>CONTINUOUS</td><td></td><td></td><td>OFF</td><td>OFFICE</td><td>SS</td><td>STAINLESS STEEL</td><td></td><td></td></tr><tr><td>CTR</td><td>CENTER</td><td>GA</td><td>GAUGE</td><td>OPP</td><td>OPPOSITE</td><td>SUSP</td><td>SUSPENDED</td><td></td><td></td></tr><tr><td>CTSK</td><td>COUNTERSUNK</td><td>GALV</td><td>GALVANIZED</td><td>OSB</td><td>ORIENTED STRAND BOARD</td><td>SY</td><td>SQUARE YARD</td><td></td><td></td></tr><tr><td></td><td></td><td>GB</td><td>GRAB BAR</td><td></td><td></td><td>TB</td><td>TOWEL BAR</td><td></td><td></td></tr><tr><td>DBL</td><td>DOUBLE</td><td>GL</td><td>GLASS</td><td></td><td></td><td>TC</td><td>TOP OF CURB</td><td></td><td></td></tr><tr><td>DEPT</td><td>DEPARTMENT</td><td>GWB</td><td>GYP SUM WALL BOARD</td><td></td><td></td><td>TEL</td><td>TELEPHONE</td><td></td><td></td></tr><tr><td>DF</td><td>DRINKING FOUNTAIN</td><td>GYP</td><td>GYP SUM</td><td></td><td></td><td>TEMP</td><td>TEMPORARY</td><td></td><td></td></tr><tr><td>DET</td><td>DETAIL</td><td>HB</td><td>HOSE BIBB</td><td>PL</td><td>PLATE</td><td>T&G</td><td>TONGUE & GROOVE</td><td></td><td></td></tr><tr><td>DIA</td><td>DIAMETER</td><td>HWD</td><td>HARDWOOD</td><td>PLAM</td><td>PLASTIC LAMINATE</td><td>TOC</td><td>TOP OF CONCRETE</td><td></td><td></td></tr><tr><td>DIM</td><td>DIMENSION</td><td>HM</td><td>HOLLOW METAL</td><td>PLAS</td><td>PLASTER</td><td>TOD</td><td>TOP OF DECK</td><td></td><td></td></tr><tr><td>DISP</td><td>DISPENSER</td><td>HORIZ</td><td>HORIZONTAL</td><td>PC</td><td>PRE-CAST</td><td>TPD</td><td>TOILET PAPER DISPENSER</td><td></td><td></td></tr><tr><td>DN</td><td>DOWN</td><td>HR</td><td>HOUR</td><td>PF</td><td>PRE-FINISHED</td><td>TRD</td><td>TREAD</td><td></td><td></td></tr><tr><td>DR</td><td>DOOR</td><td>HT</td><td>HEIGHT</td><td>PR</td><td>PAIR</td><td>TRTD</td><td>PRESSURE TREATED</td><td></td><td></td></tr><tr><td>DS</td><td>DOWNSPOUT</td><td>HW</td><td>HOT WATER</td><td>PWD</td><td>PLYWOOD</td><td>TOW</td><td>TOP OF WALL</td><td></td><td></td></tr><tr><td>DWG</td><td>DRAWING</td><td></td><td></td><td></td><td></td><td>TYP</td><td>TYPICAL</td><td></td><td></td></tr><tr><td>DWR</td><td>DRAWER</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>EA</td><td>EACH</td><td>ID</td><td>INSIDE DIAMETER</td><td>R</td><td>RISER</td><td></td><td></td><td></td><td></td></tr><tr><td>EF</td><td>EXHAUST FAN</td><td>INSUL</td><td>INSULATION</td><td>RAD</td><td>RADIUS</td><td>UL</td><td>UNDERWRITERS LABORATORIES</td><td></td><td></td></tr><tr><td>EFIS</td><td>EXTERIOR INSULATION & FINISH SYSTEM</td><td>INT</td><td>INTERIOR</td><td>RD</td><td>ROOF DRAIN</td><td>UNF</td><td>UNFINISHED</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td>REF</td><td>REFERENCE</td><td>UON</td><td>UNLESS OTHERWISE NOTED</td><td></td><td></td></tr><tr><td>EJ</td><td>EXPANSION JOINT</td><td>JAN</td><td>JANITOR</td><td>REFR</td><td>REFRIGERATOR</td><td>UR</td><td>URINAL</td><td></td><td></td></tr><tr><td>EL</td><td>ELEVATION</td><td>JT</td><td>JOINT</td><td>REINF</td><td>REINFORCED</td><td></td><td></td><td></td><td></td></tr><tr><td>ELEC</td><td>ELECTRICAL</td><td>LAB</td><td>LABORATORY</td><td>REQ</td><td>REQUIRED</td><td></td><td></td><td></td><td></td></tr><tr><td>ELEV</td><td>ELEVATOR</td><td></td><td></td><td>RESIL</td><td>RESILIENT</td><td></td><td></td><td></td><td></td></tr></table>				Z	ANGLE	EMER	EMERGENCY	LAM	LAMINATE	RH	ROBE HOOK	VEST	VESTIBULE	AC	ASPHALT CONCRETE	ENCL	ENCLOSURE	LAV	LAVATORY	RL	RAIN LEADER	VR	VAPOR RETARDER	ACM	ASBESTOS CONTAINING MATERIAL	EPDM	ETHYLENE PROPYLENE DIANE MONOMER	LB	POUND	RM	ROOM	VTR	VENT THROUGH ROOF	ACP	ACOUSTICAL CEILING PANEL	EPS	EXPANDED POLYSTYRENE	LT	LIGHT	RO	ROUGH OPENING	WB	WEATHER BARRIER	ADJ	ADJUSTABLE	EQ	EQUAL	MIR	MIRROR	RUB	RUBBER	WC	WATER CLOSET	AFF	ABOVE FINISH FLOOR	EQP	EQUIPMENT	MAX	MAXIMUM	SASU	SELF ADHERING SHEET	WD	WOOD	AIB	AIR INFILTRATION BARRIER	EX	EXISTING	MDO	MEDIUM DENSITY OVERLAID	SCD	SEAT COVER DISPENSER	WP	WATERPROOF	AL	ALUMINUM	EXT	EXTERIOR	MECH	MECHANICAL	SCH	SCHEDULE	WR	WASTE RECEPTACLE	APPROX	APPROXIMATE			MEMB	MEMBRANE	SF	SQUARE FOOT	WSC	WAINSCOT	ARCH	ARCHITECTURAL	FA	FIRE ALARM	MFR	MANUFACTURER	SFRM	SPRAYED FIRE-RESISTIVE MATERIAL	WT	WEIGHT	ASB	ASBESTOS	FD	FLOOR DRAIN	MH	MANHOLE			WWF	WELDED WIRE FABRIC			FDN	FOUNDATION	MIN	MINIMUM	SHR	SHOWER			BD	BOARD	FEC	FIRE EXTINGUISHER CABINET	MISC	MISCELLANEOUS	SHTH	SHEATHING			BLDG	BUILDING	FF	FINISH FLOOR	MTD	MOUNTED	SIM	SIMILAR			BLKG	BLOCKING	FHC	FIRE HOSE CABINET	MTL	METAL	SND	SANITARY NAPKIN DISPENSER			BM	BEAM	FIN	FINISH	MUL	MULLION	SNR	SANITARY NAPKIN RECEPTACLE			BOT	BOTTOM	FLASH	FLASHING	NIC	NOT IN CONTRACT	SPEC	SPECIFICATIONS					FLR	FLOOR	NO OR #	NUMBER	SQ	SQUARE			CAB	CABINET	FOC	FACE OF CONCRETE/CURB	NOM	NOMINAL	SQFT	SQUARE FOOT			CB	CATCH BASIN	FOF	FACE OF 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CONCRETE			DIM	DIMENSION	HM	HOLLOW METAL	PLAS	PLASTER	TOD	TOP OF DECK			DISP	DISPENSER	HORIZ	HORIZONTAL	PC	PRE-CAST	TPD	TOILET PAPER DISPENSER			DN	DOWN	HR	HOUR	PF	PRE-FINISHED	TRD	TREAD			DR	DOOR	HT	HEIGHT	PR	PAIR	TRTD	PRESSURE TREATED			DS	DOWNSPOUT	HW	HOT WATER	PWD	PLYWOOD	TOW	TOP OF WALL			DWG	DRAWING					TYP	TYPICAL			DWR	DRAWER																			EA	EACH	ID	INSIDE DIAMETER	R	RISER					EF	EXHAUST FAN	INSUL	INSULATION	RAD	RADIUS	UL	UNDERWRITERS LABORATORIES			EFIS	EXTERIOR INSULATION & FINISH SYSTEM	INT	INTERIOR	RD	ROOF DRAIN	UNF	UNFINISHED							REF	REFERENCE	UON	UNLESS OTHERWISE NOTED			EJ	EXPANSION JOINT	JAN	JANITOR	REFR	REFRIGERATOR	UR	URINAL			EL	ELEVATION	JT	JOINT	REINF	REINFORCED					ELEC	ELECTRICAL	LAB	LABORATORY	REQ	REQUIRED					ELEV	ELEVATOR			RESIL	RESILIENT					<table><tr><td>BUILDING SECTION</td><td>XX</td><td>SECTION NUMBER</td></tr><tr><td>EXTERIOR ELEVATION</td><td>XX</td><td>ELEVATION NUMBER</td></tr><tr><td>WALL SECTION</td><td>XX</td><td>SECTION 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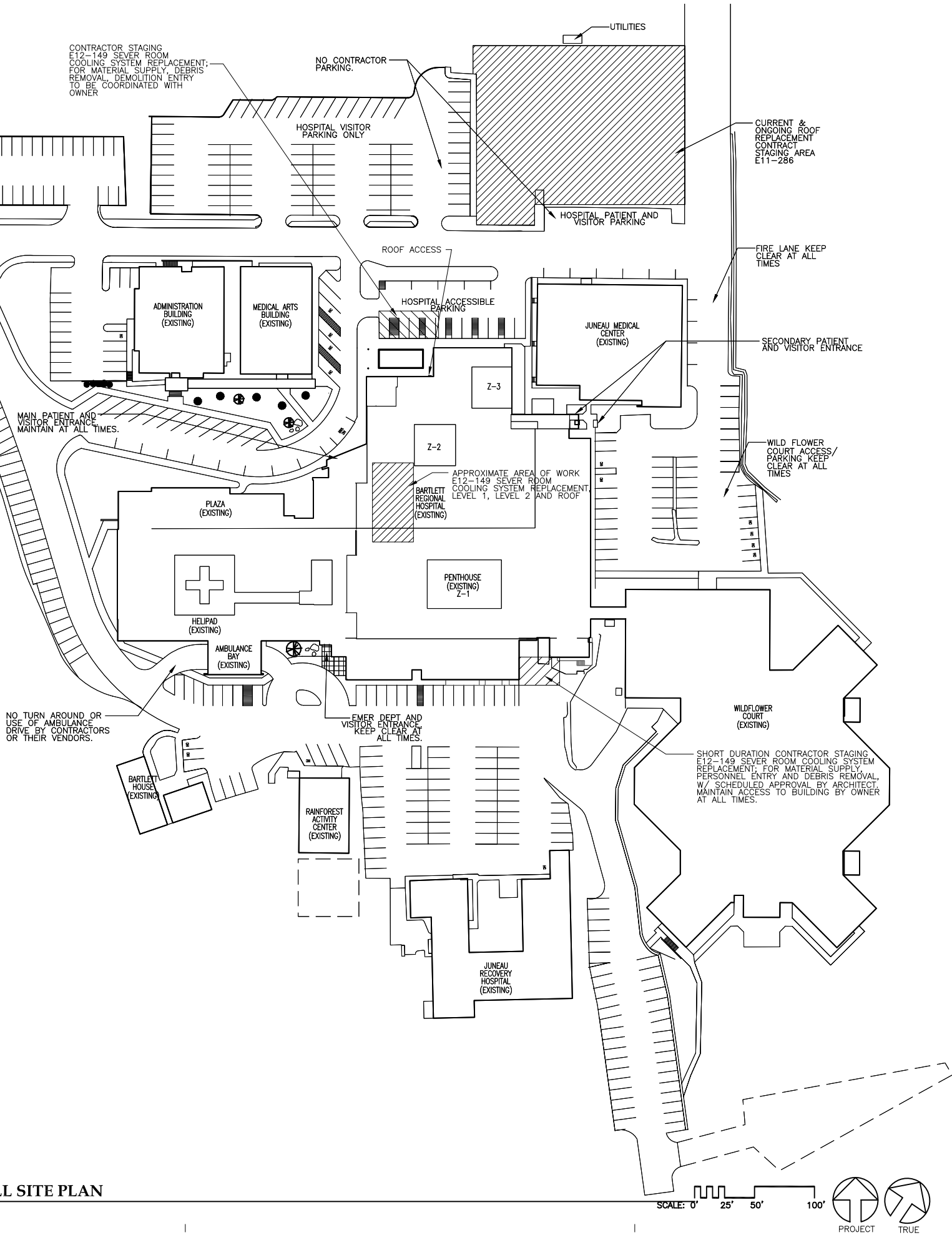
Jensen
Yorba
Lott
Inc.

522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com

FILE: 0859_Phase 55

A001

1 OVERALL SITE PLAN



CODE DATA

- ARCHITECTURAL:
- *INTERNATIONAL BUILDING CODE (2006)
 - LIFE SAFETY CODE – NFPA-101 (2008)
 - AIA GUIDELINES FOR DESIGN AND CONSTRUCTION OF HEALTHCARE FACILITIES (2006)
- ACCESSIBILITY:
- ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG) – 1994
- STRUCTURAL:
- *INTERNATIONAL BUILDING CODE (2006)
 - SEISMIC: SITE CLASS D, $S_s = 0.55$, $S_1 = 0.28$, $I = 1.5$, $R = 6$
 - WIND: $V_{3s} = 110$ MPH, EXPOSURE CATEGORY C, $I = 1.5$
- MECHANICAL:
- *INTERNATIONAL BUILDING AND MECHANICAL CODE (2006)
 - *UNIFORM PLUMBING CODE (2006)
 - *INTERNATIONAL FIRE CODE (2006)
 - LOCAL SEWER AND WATER DISTRICT REQUIREMENTS
 - CITY AND BOROUGH OF JUNEAU DEPARTMENT OF HEALTH
 - STATE DEPARTMENT OF HEALTH
 - LOCAL FIRE MARSHAL
 - LOCAL AIR POLLUTION CONTROL AGENCY
 - STATE OF ALASKA BOILER AND UNFIRED PRESSURE VESSEL INSPECTION LAW
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
 - NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 2007
 - UNIFORM FIRE CODE (UFC) 2006
 - NATIONAL ELECTRIC CODE (NEC) 2008
 - ALASKA STATE FIRE LAWS
 - ENVIRONMENTAL PROTECTION AGENCY (EPA)
 - CENTER FOR DISEASE CONTROL/NATIONAL INSTITUTE OF HEALTH (CDC/NIH)
 - SHEET METAL AND AIR CONDITIONING CONTRACTOR'S ASSOCIATION (SMACNA)
 - ELECTRICAL:
- *NFPA 70 – NATIONAL ELECTRIC CODE
 - *NFPA 99 – STANDARD FOR HEALTH CARE FACILITIES
 - *NFPA 110 – STANDARD FOR EMERGENCY AND STANDBY POWER
 - *INTERNATIONAL BUILDING CODE (2006)
- *AS ADOPTED AND AMENDED BY THE LOCAL JURISDICTION W/ MODIFICATIONS TITLE 19

BUILDING DATA

REFERENCE IBC TABLE 503)		CONSTRUCTION TYPE 1-B (SPRINKLED)				
I-2	1B (SPRINKLED)	4 Stories and Unlimited Area				
B	1B (SPRINKLED)	11 Stories and Unlimited Area				
**A-2	1B (SPRINKLED)	11 Stories and Unlimited Area				
BUILDING LEVEL	*OCCUPANCY	CONSTRUCTION TYPE	AREA (REMODEL)	AREA (ALTERNATES)	AREA (EXISTING)	AREA TOTALS
LEVEL ONE:						
EXISTING:	I-2	1B (SPRINKLED)			21581 SF	
RENOVATION:	I-2	1B (SPRINKLED)	0 SF			
M E C M EXISTING:	B	1B (SPRINKLED)			21890 SF	
EXISTING (CAFETERIA):	**A-2	1B (SPRINKLED)			2063 SF	
			0 SF	0 SF	45534 SF	45534 SF
LEVEL TWO:						
EXISTING:	I-2	1B (SPRINKLED)			55901 SF	
RENOVATION:	I-2	1B (SPRINKLED)	0 SF			
ALTERNATE: 1	I-2	1B (SPRINKLED)		961 SF		
ALTERNATE: 2	I-2	1B (SPRINKLED)		800 SF		
			0 SF	1761 SF	55901 SF	57662 SF
LEVEL THREE:						
EXISTING:	I-2	1B (SPRINKLED)			28657 SF	
REMODEL:	I-2	1B (SPRINKLED)	5891 SF			
ALTERNATE: 3	I-2	1B (SPRINKLED)		536 SF		
			5891 SF	536 SF	28657 SF	35084 SF
LEVEL FOUR:						
EXISTING:	I-2	1B (SPRINKLED)			629 SF	
			0 SF	0 SF	629 SF	629 SF
BUILDING TOTALS:						
EXISTING:	I-2, B, A-2	1B (SPRINKLED)			130092 SF	
REMODEL:	I-2	1B (SPRINKLED)	5891 SF			
ALTERNATE:	I-2	1B (SPRINKLED)		2297 SF		
			5891 SF	2297 SF	130721 SF	138909 SF

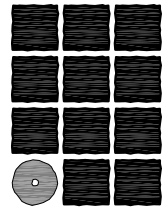
* SEE SHEETS A102 & A103 FOR INCIDENTAL USE AREAS.

FIRE PROTECTION RATING OF BUILDING ELEMENTS

(REFERENCE IBC TABLE 601)	CONSTRUCTION TYPE 1-B (SPRINKLED)
STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS, TRUSSES	2 HR.
BUILDING ELEMENT BEARING WALLS	
EXTERIOR	2 HR.
INTERIOR	2 HR.
FLOOR CONSTRUCTION INCLUDING DECK SUPPORTING BEAMS AND JOISTS	2 HR.
ROOF CONSTRUCTION INCLUDING DECK SUPPORTING BEAMS AND JOISTS	
TYPICAL	1 HR.
PENTHOUSE ROOF	1 HR.

CODE NOTES

- REFERENCE SPECIFICATIONS VOLUMES 1 THRU 2 FOR ADDITIONAL CODE & STANDARDS REFERENCES AS PERTAINS TO SPECIFIC AREAS OF WORK.
- SEE LIFE SAFETY DRAWING SHEETS A102 & A103 FOR DETAILED LIFE SAFETY PROVISIONS BY LEVEL.



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CBJ Contract No. E12-149
Juneau, Alaska

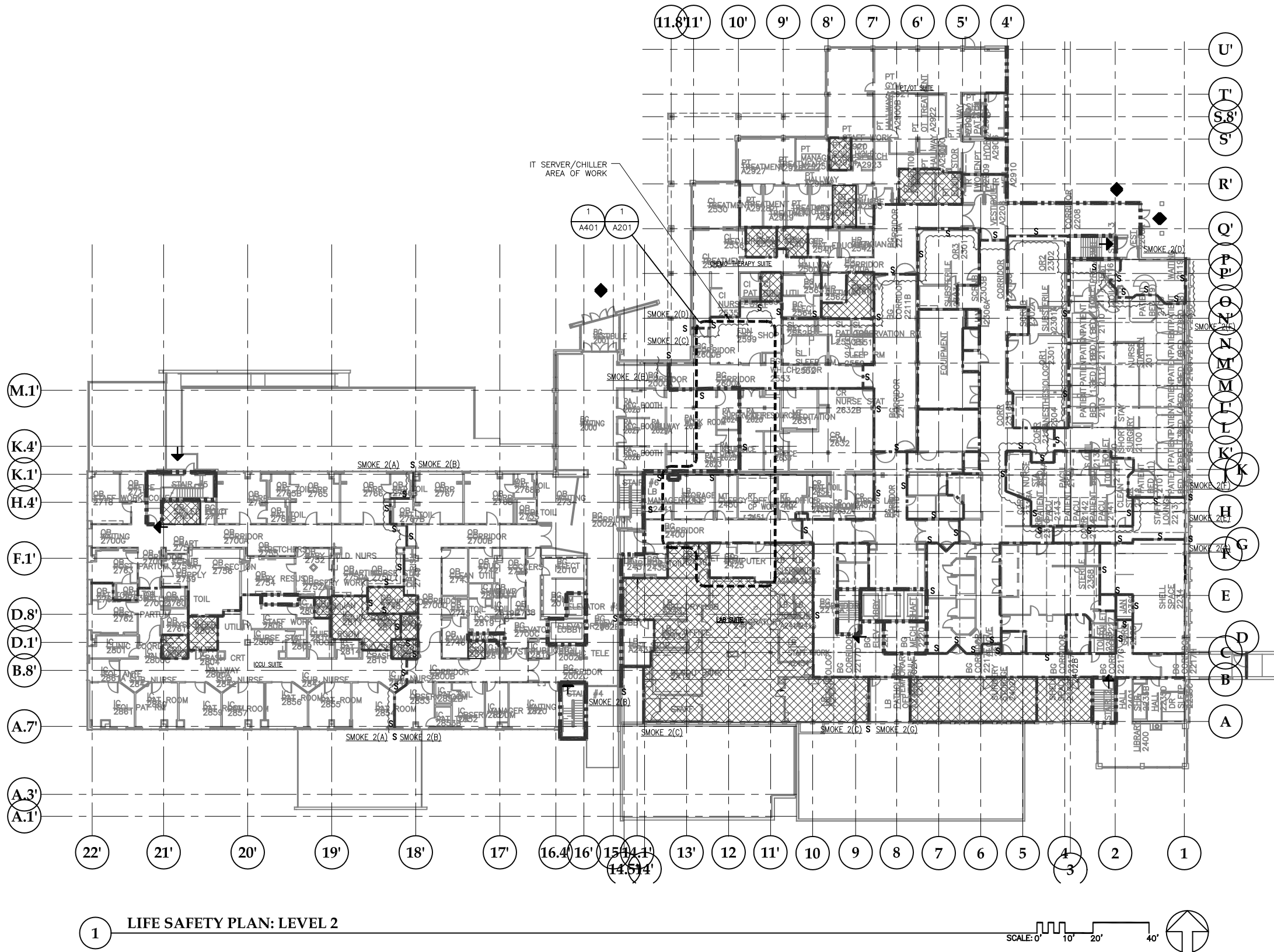
CONSTRUCTION DOCUMENTS



SHEET TITLE
OVERALL
SITE PLAN
& OVERALL
CODE DATA

DATE: December 1, 2011
FILE: 0859_Phase 55

A101



1 LIFE SAFETY PLAN: LEVEL 2

SYMBOLS KEY

	EXISTING	NEW
2 HR. WALL:	- - - - -	- - - - -
1 HR. WALL:	- - - - -	- - - - -
CORRIDOR WALL (FULL HEIGHT, NON-RATED & SEALED FOR SMOKE)	- - - - -	- - - - -
CORRIDOR WALL	- - - - -	- - - - -
SMOKE PARTITION	- S -	- S -
EXIT ONLY:	- - - - -	- - - - -
EXIT AND ENTRY BOTH:	- - - - -	- - - - -
INCIDENTAL USE AREAS PER IBC TABLE 508.2	- - - - -	- - - - -

LEVEL TWO CODE DATA

BUILDING ZONE	OCCUPANCY	CONSTRUCTION TYPE	AREA SUBTOTALS	AREA TOTALS	OCC. LOAD SUBTOTALS	OCC. LOAD TOTALS
SMOKE COMPARTMENT 2(A)	I-2	1B (SPRINKLED)		9922 SF		
TOTAL - 2(A)				9922 SF	30	56
SMOKE COMPARTMENT 2(B)	I-2	1B (SPRINKLED)		8866 SF		75
SMOKE COMPARTMENT 2(C)	I-2	1B (SPRINKLED)				
LAB SUITE ALT 4 - REMODEL			2090 SF		21	
OTHER AREAS - EXISTING			6112 SF		62	
OTHER AREAS - EXISTING			302 SF		3	
TOTAL - 2(C)				10422 SF		106
SMOKE COMPARTMENT 2(D)	I-2	1B (SPRINKLED)				
CHEMO-INFUSION ALT 1			1652 SF		15	
P.T./O.T. SUITE ALT 2			4482 SF		45	
OTHER AREAS - EXISTING			1961 SF		20	
TOTAL - 2(D)				8095 SF		80
SMOKE COMPARTMENT 2(E)	I-2	1B (SPRINKLED)		9413 SF		95
SMOKE COMPARTMENT 2(F)	I-2	1B (SPRINKLED)		3919 SF		40
SMOKE COMPARTMENT 2(G)	I-2	1B (SPRINKLED)				
REMODEL EXISTING			2638 SF		27	
			4387 SF		38	
TOTAL				7025 SF		65
LEVEL TWO TOTALS:		ALTERNATES RENOVATION EXISTING	1761 SF 0 SF 55901 SF			
TOTAL				57662 SF		517

SMOKE COMPARTMENT REFUGE AREA DATA

SMOKE COMP.	REFUGE AREA AVAILABLE	REQUIRED COMBINED REFUGE AREAS OF ADJACENT SMOKE COMPARTMENTS
		2A/2B 2B/2C 2C/2D 2D/2E 2E/2F 2F/2G 2C/2G 2C/2F
2(A)	6161 SF	1170 SF
2(B)	5327 SF	1170 SF 1230 SF
2(C)	4429 SF	1230 SF 1476 SF 1074 SF 1212 SF
2(D)	4531 SF	1476 SF 1434 SF
2(E)	3167 SF	1434 SF 1170 SF
2(F)	3028 SF	1170 SF 918 SF 1212 SF
2(G)	3782 SF	918 SF 1074 SF

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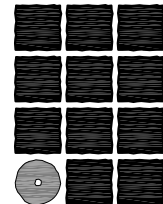
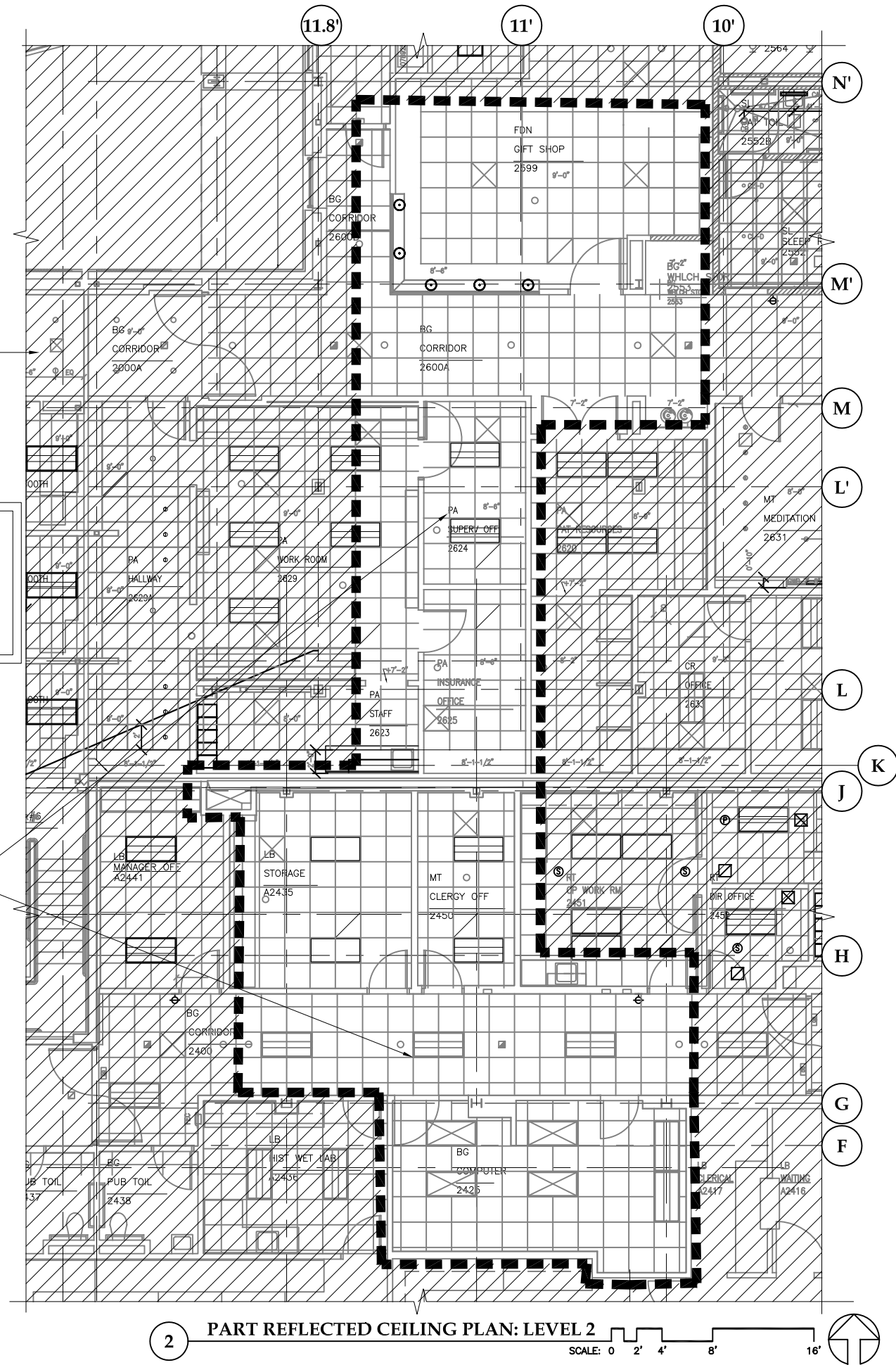
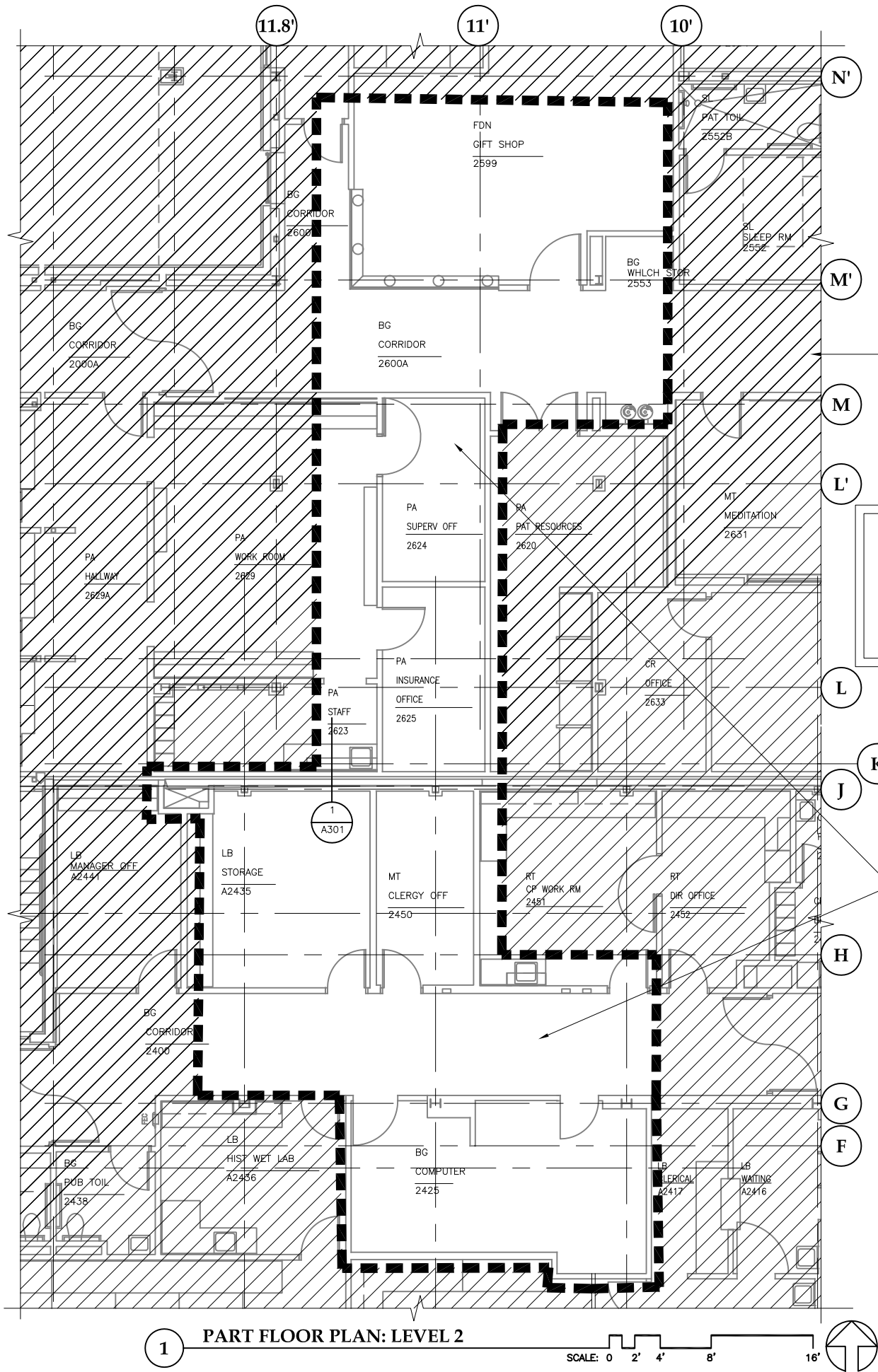
CONSTRUCTION DOCUMENTS

REVISIONS
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SHEET TITLE
LIFE SAFETY DATA
LEVEL 2

DATE: December 1, 2011
FILE: 0859_Phase 55

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CONSTRUCTION
DOCUMENTS

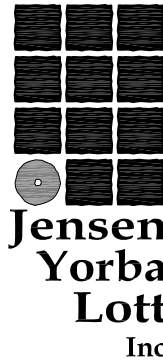
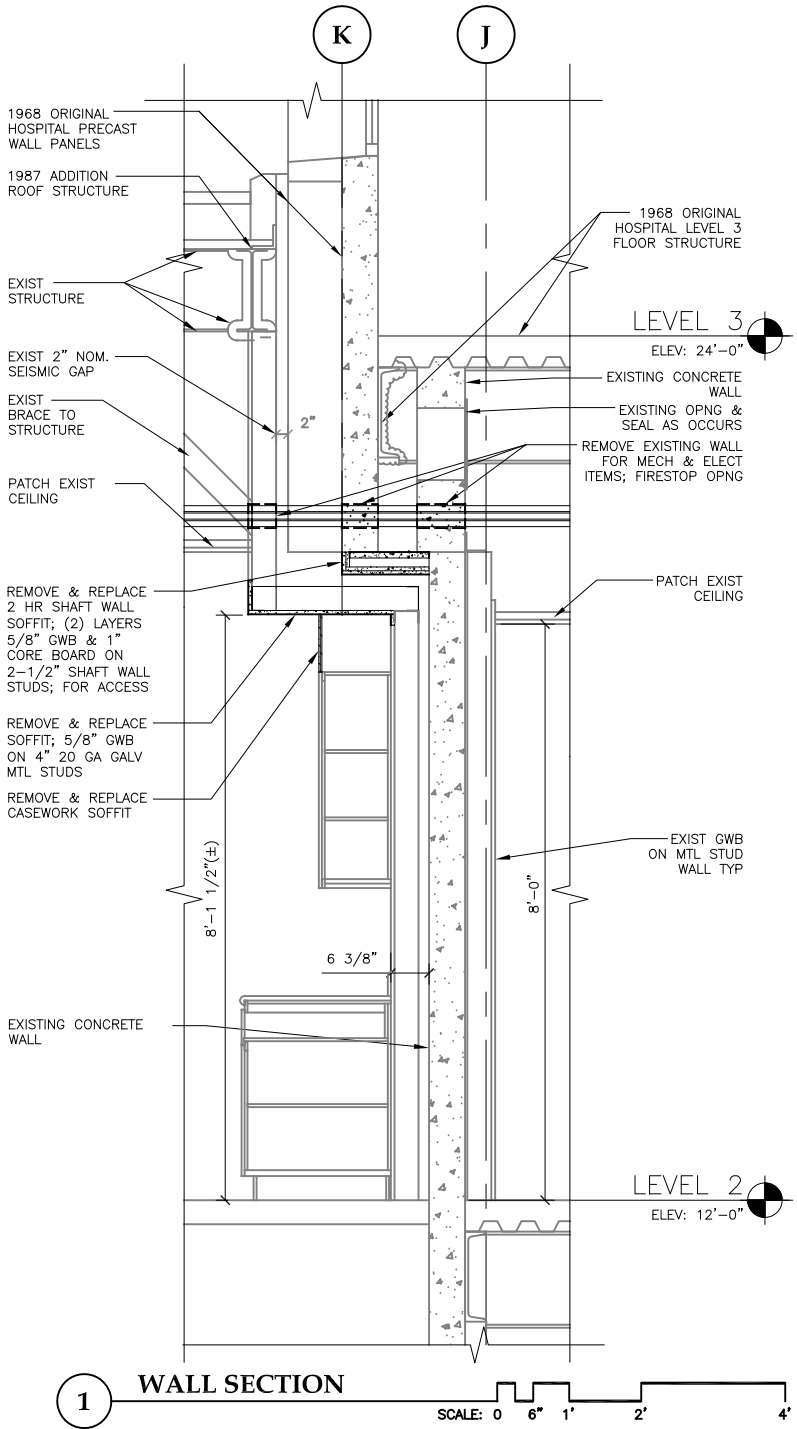
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SHEET TITLE
PARTIAL FLOOR
& REFLECTED
CEILING PLANS
LEVEL 2

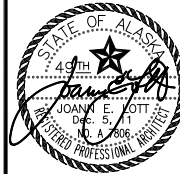
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A201

NOTE:
SEE SHEET A102 FOR RATED ASSEMBLIES
TO BE PENETRATED.
SEE MECHANICAL AND ELECTRICAL FOR
WORK THIS AREA.



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CONSTRUCTION
DOCUMENTS

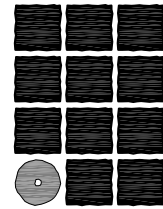
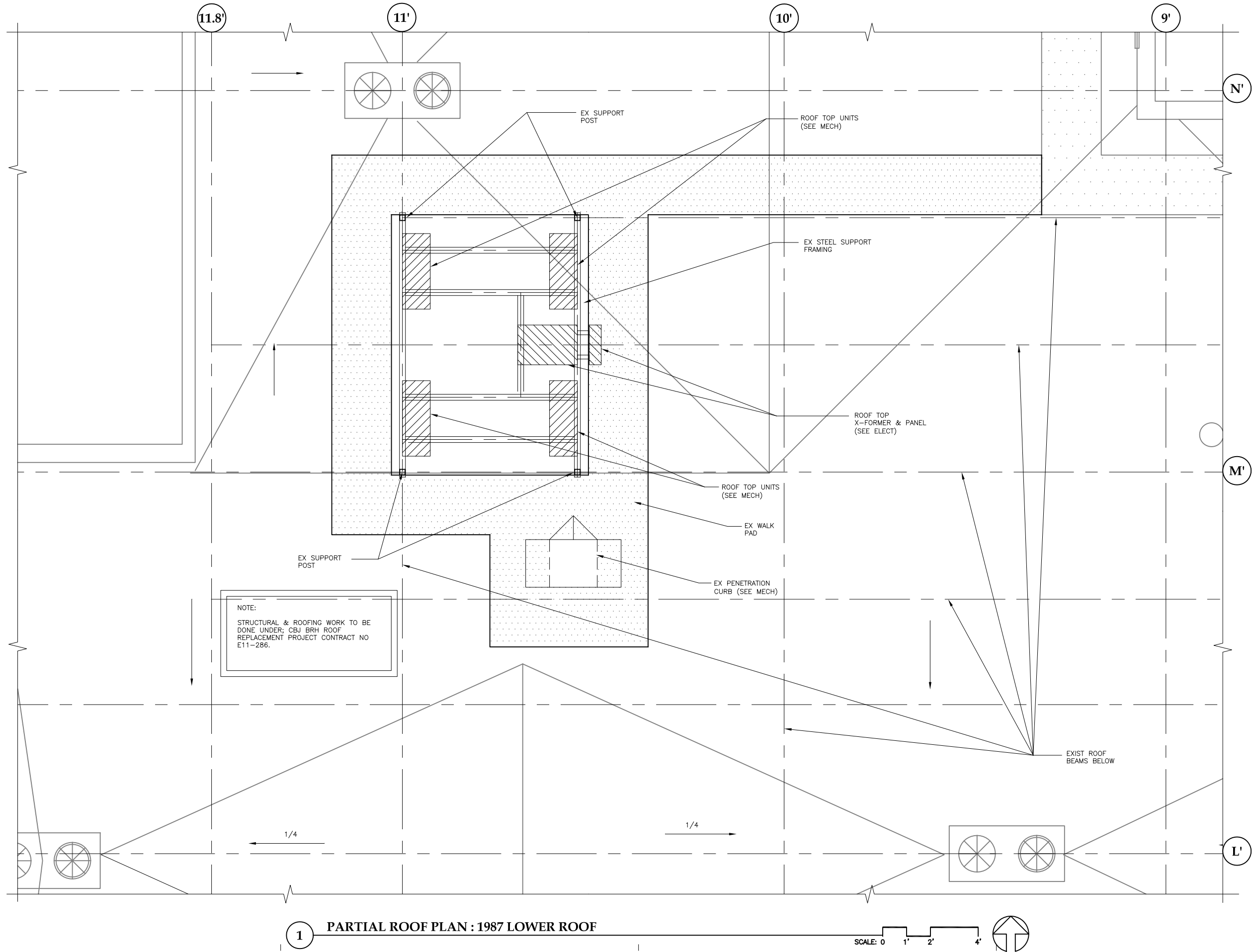
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SHEET TITLE
WALL SECTION

DATE: December 1, 2011
FILE: 0859_Phase 55

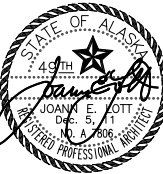
A301

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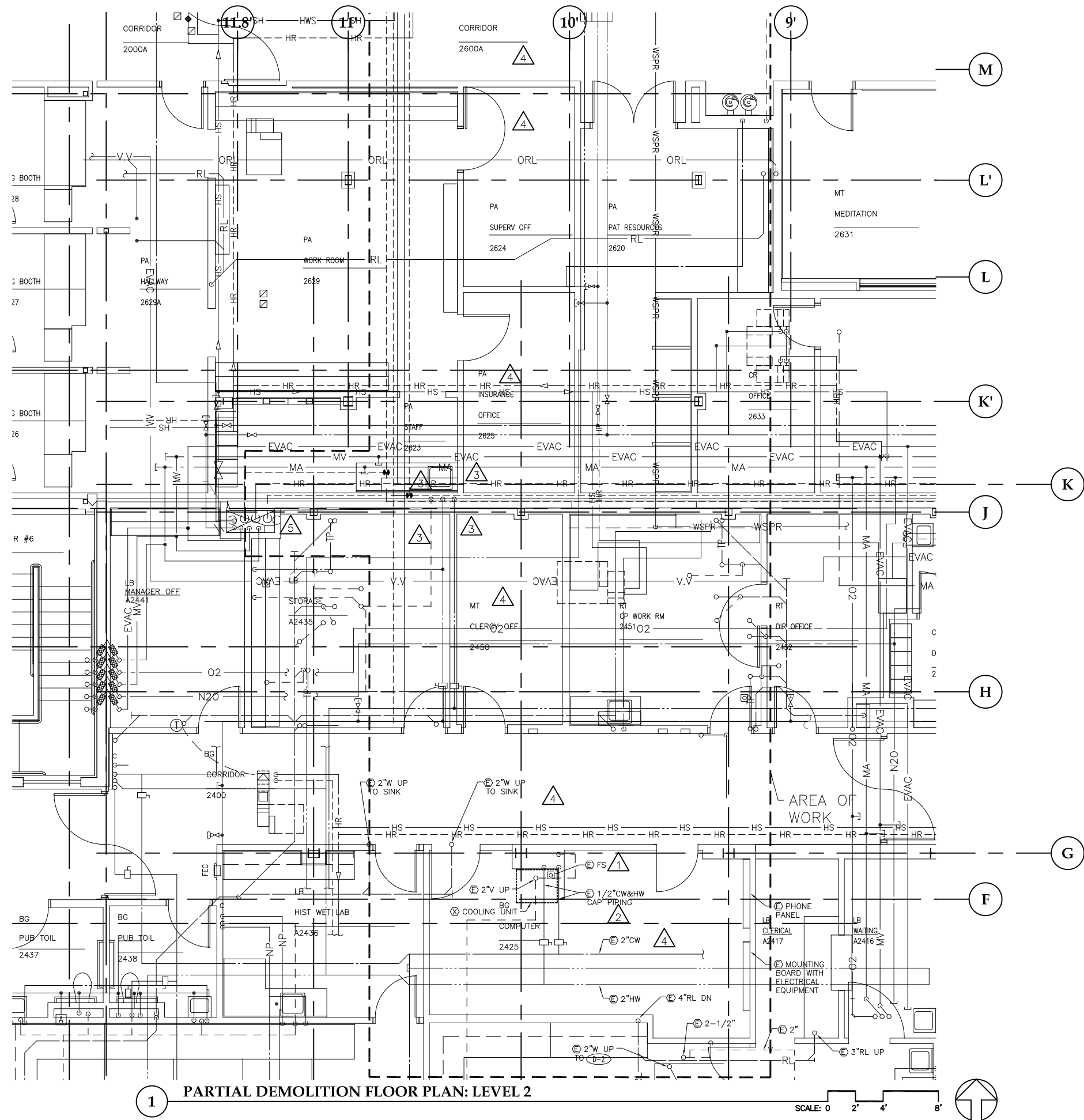
CONSTRUCTION
DOCUMENTS

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SHEET TITLE
**PARTIAL
ROOF PLAN
1987 LOWER ROOF**

DATE: December 1, 2011
FILE: 0859_Phase 55

A401

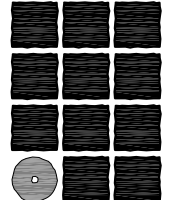


1 PARTIAL DEMOLITION FLOOR PLAN: LEVEL 2

SCALE: 0 2' 4' 8'

DEMOLITION NOTES:

- △ PREPARE FLOOR SINK FOR INSTALLATION OF FUNNEL ATTACHMENT. NO WORK ANTICIPATED IN THE CEILING SPACE OF THE FLOOR BELOW. NOTIFY PROJECT MANAGER PRIOR TO ANY WORK IN CEILING SPACE OF FLOOR BELOW AS REQUIRED BY SITE OBSERVATIONS. CEILING SPACE OF THE FLOOR BELOW HAS ACM MATERIALS.
- △ REMOVE AND CAP COLD WATER PIPING TO COOLING UNIT.
- △ PROVIDE PIPING PENETRATION FOR EIGHT RL & RS PIPES THROUGH DOUBLE CONCRETE WALL ASSEMBLY AS REQUIRED FOR ROUTING OF PIPES. COORDINATE CUTTING AND PATCHING. COORDINATE WORK WITH WORK SHOWN ON SHEET M201. COORDINATE WITH SECTION DRAWING ON A301 FOR ROUTING OF RL AND RS PIPING WALL PENETRATION BETWEEN GRIDLINES J & K.
- △ COORDINATE CEILING REMOVAL FOR ROUTING OF PIPING AND DUCTWORK. SEE WORK ON SHEETS M201 AND M302 FOR COORDINATION.
- △ COORDINATE ROUTING OF LPS AND CR PIPING FROM FIRST FLOOR AREA BEHIND MAINTENANCE SHOP UP TO SECOND FLOOR CEILING SPACE. SEAL ALL PENETRATIONS.



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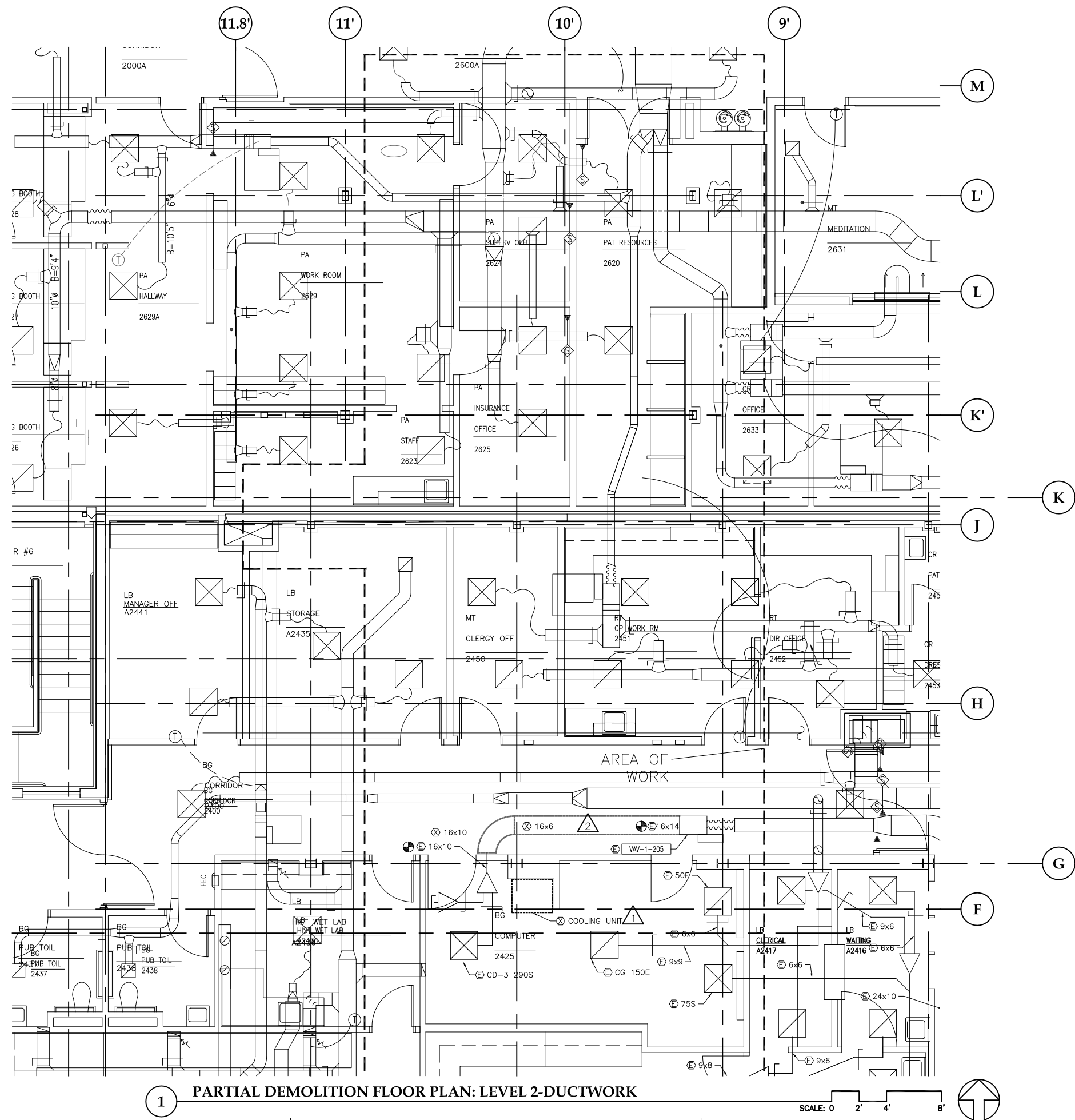
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CONSTRUCTION
DOCUMENTS

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SHEET TITLE
**PARTIAL
DEMOLITION
FLOOR PLAN
LEVEL 2 PIPING**
DATE: December 1, 2011
FILE:

MD101



SHEET NOTES:

1. MAJORITY OF SHEET IS TO SHOW DUCTWORK THAT WILL BE ENCOUNTERED DURING ROUTING OF RL AND RS PIPING TO ROOF MOUNTED CONDENSER UNITS. ONLY MINOR MODIFICATION OF DUCTWORK FOR STEAM HUMIDIFIER INSTALLATION IS ANTICIPATED.

DEMOLITION NOTES:

1. DEMOLITION OF THE EXISTING LIEBERT 3 TON WATER COOLED AIR CONDITIONING UNIT TO OCCUR AFTER INSTALLATION AND START-UP OF AC-3/CCU-3 AND AC-4/CCU-4. INTENTION IS TO HAVE THE SERVER ROOM SPACE CONTINUOUSLY COOLED DURING THE PROJECT. CONTRACTOR TO REMOVE LIEBERT 3 TON WATER COOLED AIR CONDITIONING UNIT ONLY AFTER TWO OF THE NEW AC/CCU ARE INSTALLED AND STARTED IN FULLY CONTROLLED OPERATION. DECOMMISSIONING OF COOLING UNIT INCLUDES PROPER DISPOSAL OF REFRIGERANT, AND COOLING UNIT.
2. REMOVE DUCTWORK FOR INSTALLATION OF HUM-5. COORDINATE WITH WORK ON SHEET M302, M401, AND M501.

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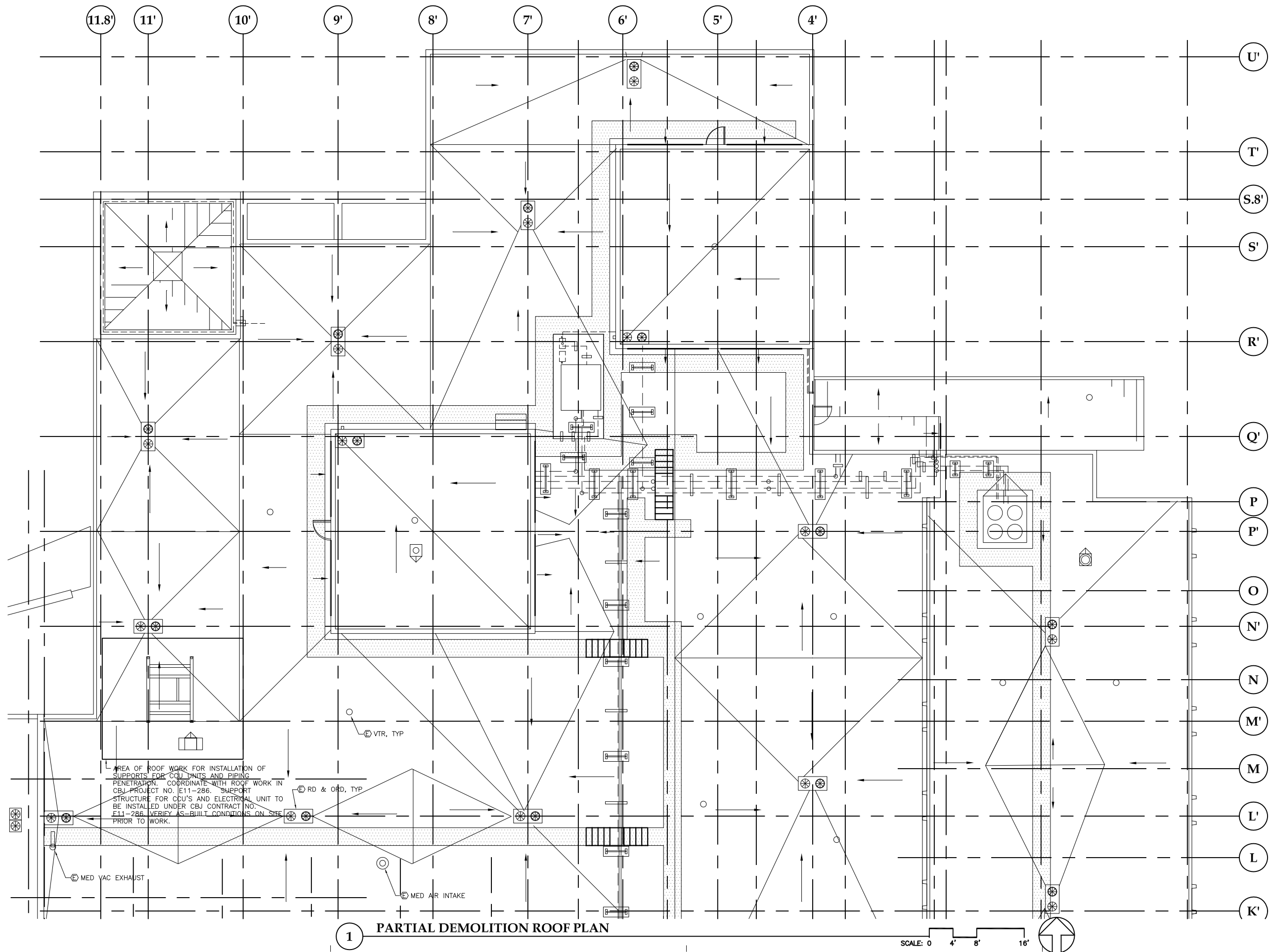
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CBJ Contract No. E12-149
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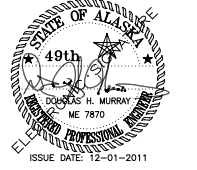
MD102



1 PARTIAL DEMOLITION ROOF PLAN

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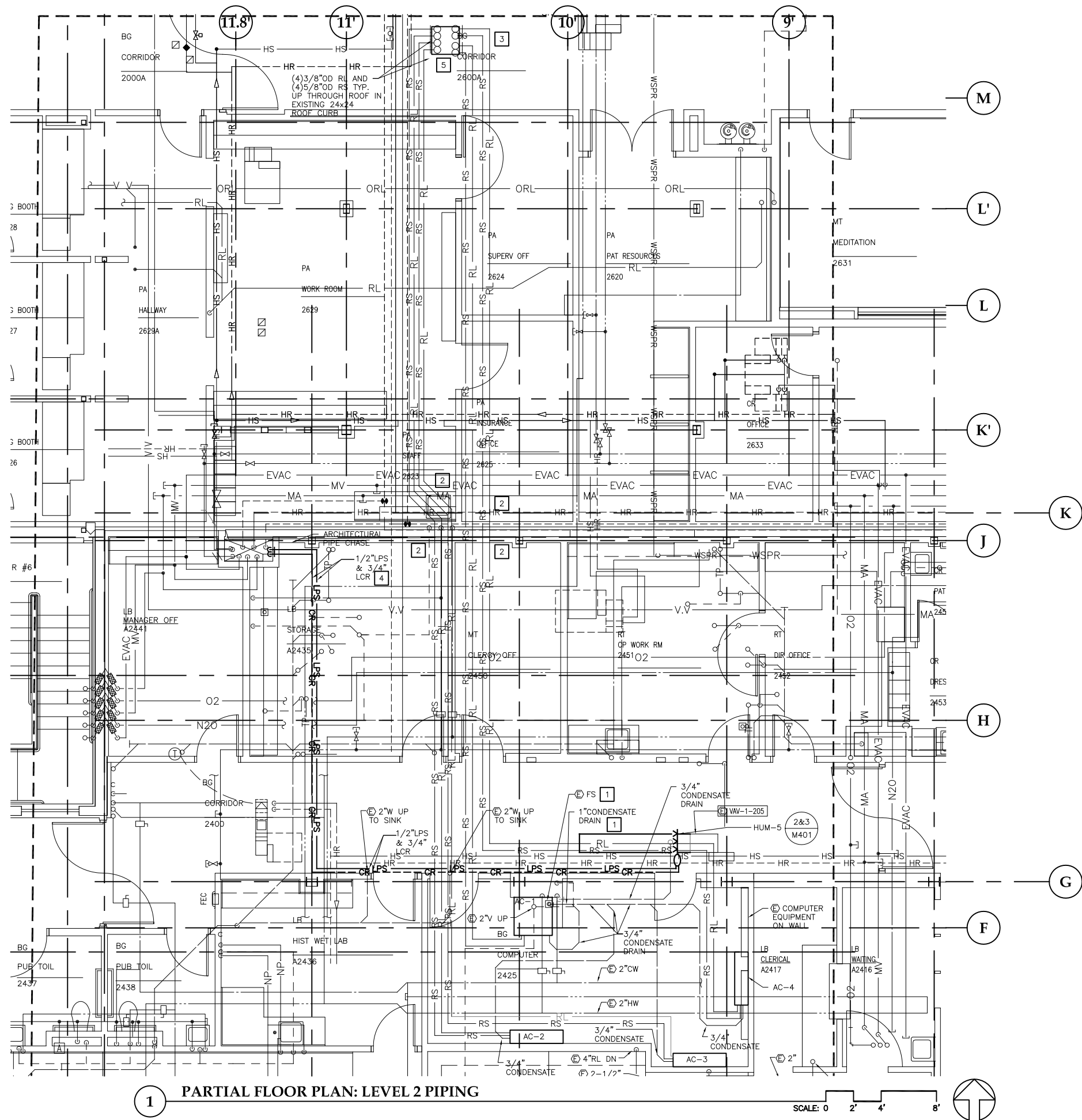


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 CBJ Contract No. E12-149
 Juneau, Alaska**

CONSTRUCTION DOCUMENTS
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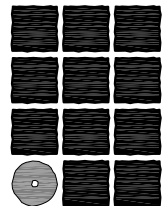
SHEET TITLE
**PARTIAL
 DEMOLITION
 ROOF PLAN**

DATE: December 1, 2011
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MD103



CONSTRUCTION NOTES:

1. INSTALL 3" FUNNEL DRAIN ATTACHMENT TO EXISTING 3" SS DRAIN. CONDENSATE PIPING TO TERMINATE AT FUNNEL DRAIN. VERIFY EXISTING CONDITIONS ON SITE PRIOR TO START OF WORK.
2. PROVIDE PENETRATION FOR RL AND RS PIPING THROUGH DOUBLE CONCRETE WALL AT THIS LOCATION. COORDINATE CUTTING AND PATCHING FOR CONCRETE WALL WITH GENERAL CONTRACTOR. SEAL ALL PENETRATIONS THROUGH DOUBLE CONCRETE WALL AIR TIGHT. SEE SECTION DETAIL ON SHEET A301 FOR ROUTING OF RL AND RS PIPING AND PENETRATION TO DOUBLE CONCRETE WALL BETWEEN GRID LINES J & K. COORDINATE WORK.
3. PROVIDE PENETRATION UP THROUGH ROOF. SEE ARCHITECTURAL DETAIL 1 ON M401 AND ARCHITECTURAL PLANS FOR ROOF CURB AND PENETRATION DETAIL. SEAL PIPING PENETRATIONS WITH FIRESTOPPING AND STUFFING.
4. CONNECT TO 1/2" LPS AND 3/4" LCR AT LPS AT HX AND CONDENSATE RETURN PUMP IN WELL ROOM BEHIND MAINTENANCE SHOP ON THE FIRST FLOOR. COORDINATE ARCHITECTURAL PIPE CHASE WITH GENERAL CONTRACTOR. ROUTE PIPING TO CEILING SPACE OF 2ND LEVEL. PROVIDE PRESSURE REDUCING VALVE, PRESSURE GAGES, AND ISOLATION VALVES AS REQUIRED FOR OPERATIONAL SYSTEM. SEE INSTALLATION DETAILS #2, 3, AND 4 ON SHEET M401.
5. EXISTING PENETRATION AND ROOF CAP INSTALLED UNDER ROOF PROJECT CBJ CONTRACT NO. E11-286. VERIFY AS BUILT CONDITIONS ON SITE PRIOR TO START OF WORK.



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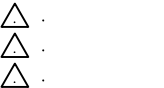


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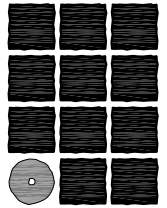
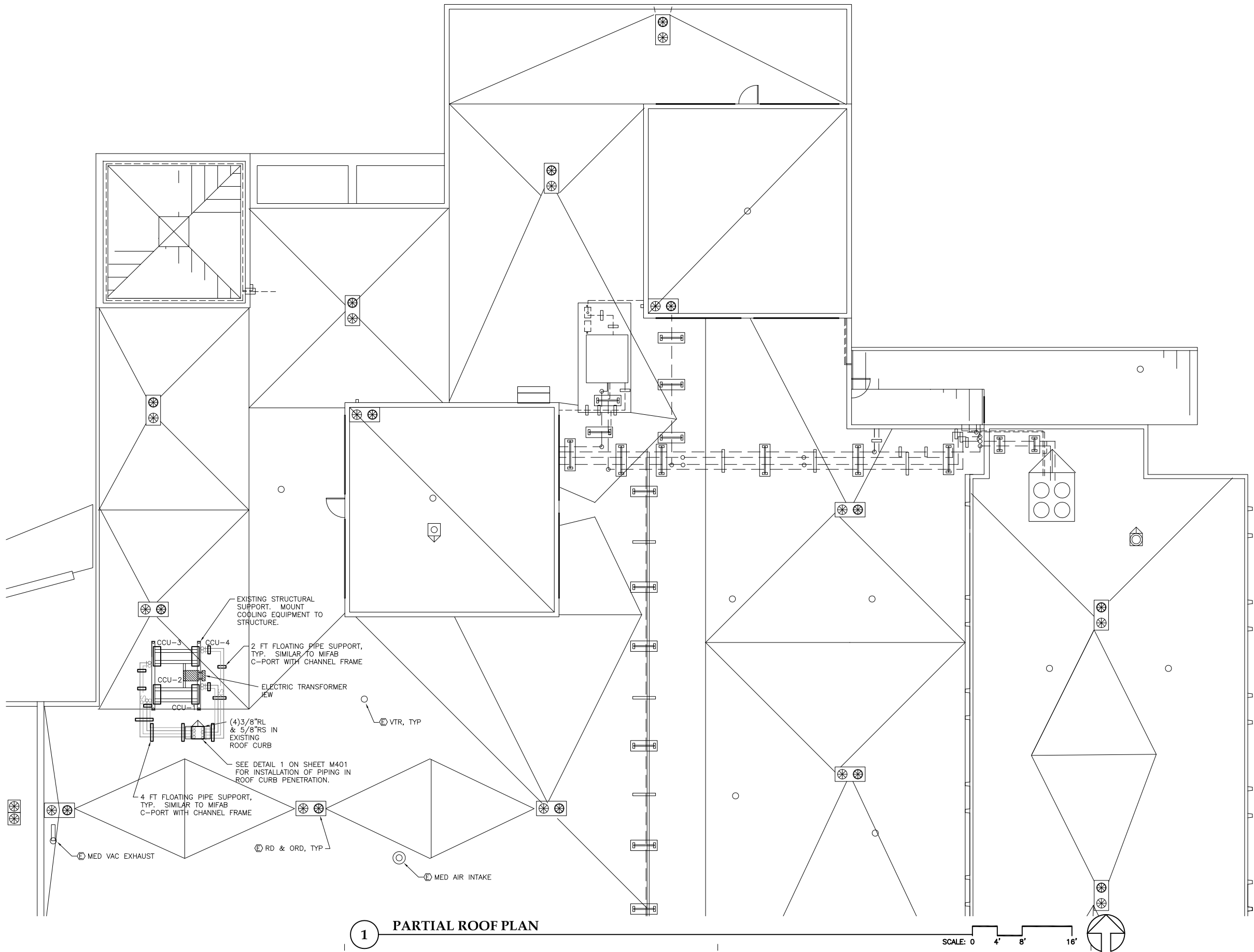
**CONSTRUCTION
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SHEET TITLE
**PARTIAL
FLOOR PLAN
LEVEL 2
PIPING**

DATE: December 1, 2011
FILE:

M201



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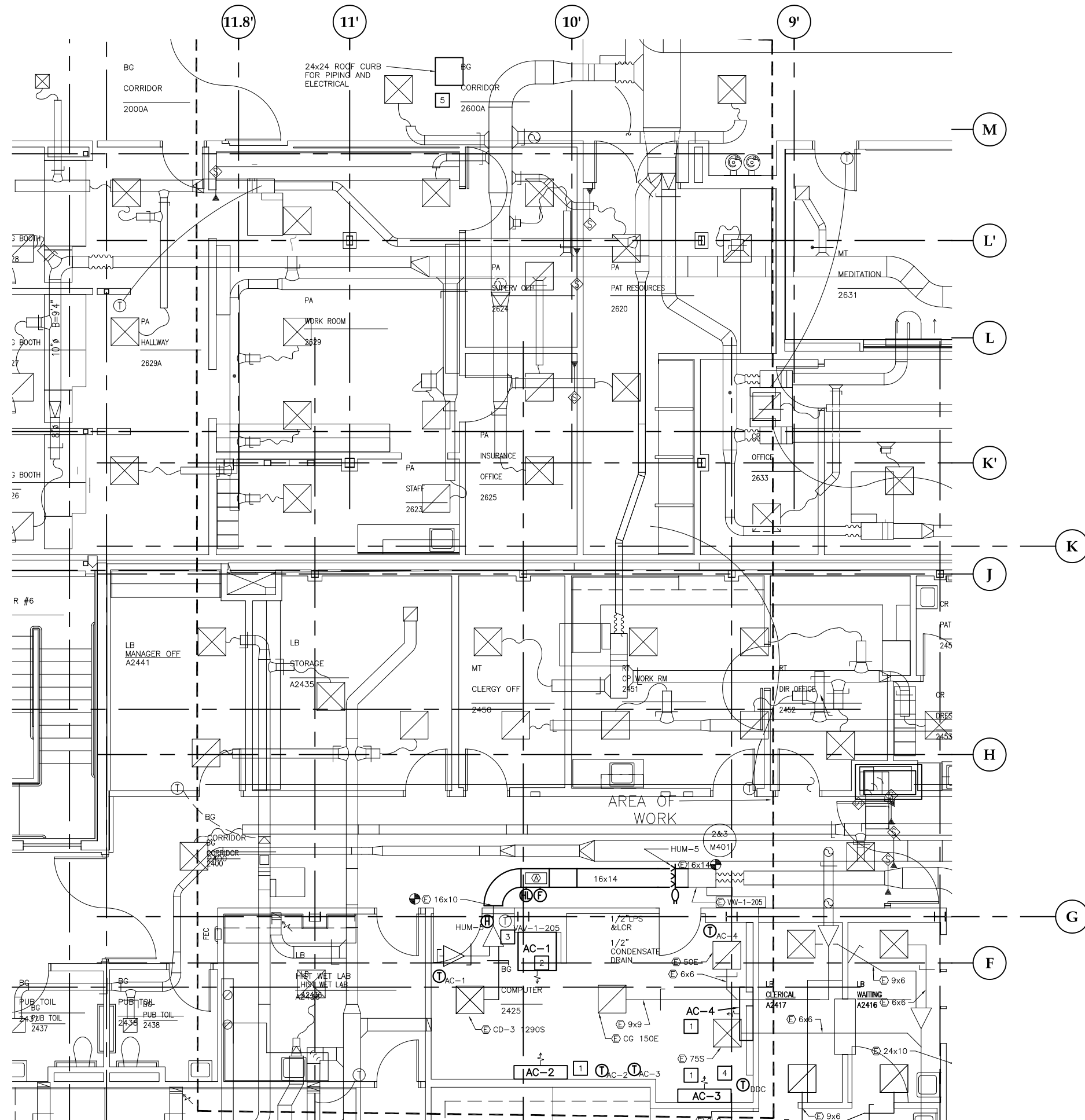
**CONSTRUCTION
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SHEET TITLE
**PARTIAL
ROOF PLAN**

DATE: December 1, 2011
FILE:

M202



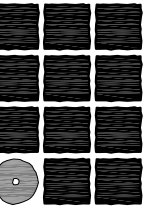
1 PARTIAL FLOOR PLAN: LEVEL 2-DUCTWORK

SHEET NOTES:

1. THIS SHEET IS TO SHOW DUCTWORK THAT WILL BE ENCOUNTERED DURING ROUTING OF RL & RS PIPING TO ROOF MOUNTED CONDENSER UNITS. ONLY MODIFICATION TO VAV-1-205 FOR INSTALLATION OF HUMIDIFIER IS ANTICIPATED.
2. CONTRACTOR IS TO INSTALL AND START UP AC-3/CCU-3 AND AC-4/CCU-4 PRIOR TO REMOVAL OF EXISTING WATER COOLING UNIT. INTENTIONS IS TO HAVE CONTINUOUS COOLING OF THE SERVER ROOM SPACE.

CONSTRUCTION NOTES:

- 1 MOUNT AC UNIT AT APPROXIMATELY 7'-0" ABOVE FINISHED FLOOR. COORDINATE WITH EXISTING CONDITIONS FOR INSTALLATION HEIGHTS.
- 2 MOUNT AC UNIT IN CEILING. COORDINATE WITH EXISTING GRID CEILING. SECURE SUPPORTS TO CEILING STRUCTURE. COORDINATE WITH EXISTING CONDITIONS.
- 3 EXISTING DDC THERMOSTAT FOR VAV-1-205. VERIFY OPERATION.
- 4 NEW DDC THERMOSTAT.
- 5 EXISTING PENETRATION AND ROOF CAP INSTALLED UNDER ROOF PROJECT CBJ CONTRACT NO. E11-286. VERIFY AS BUILT CONDITIONS ON SITE PRIOR TO START OF WORK.



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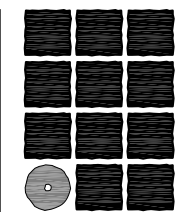
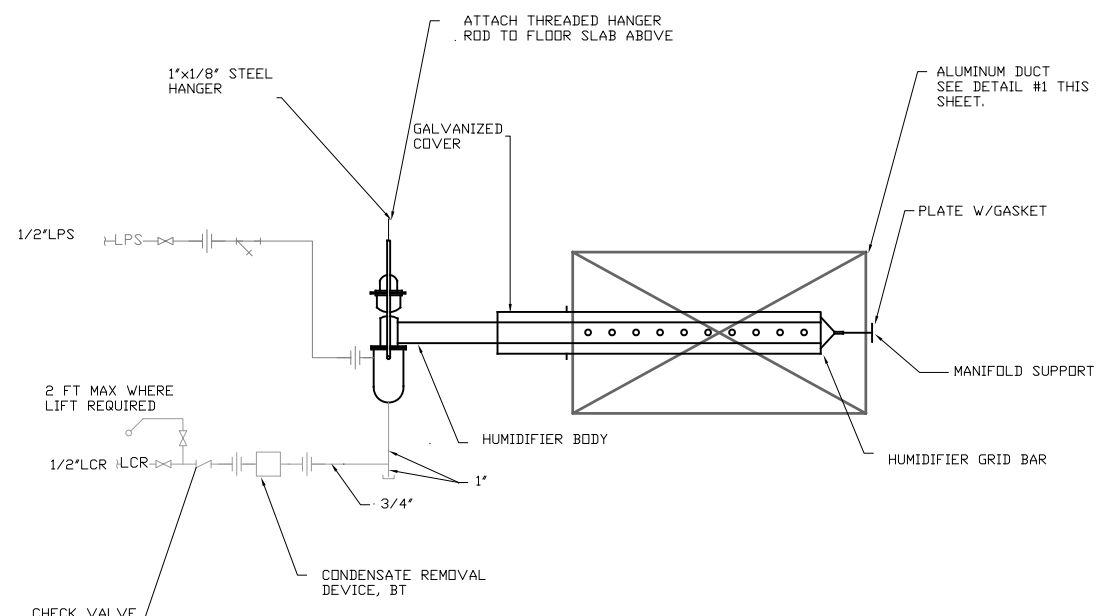
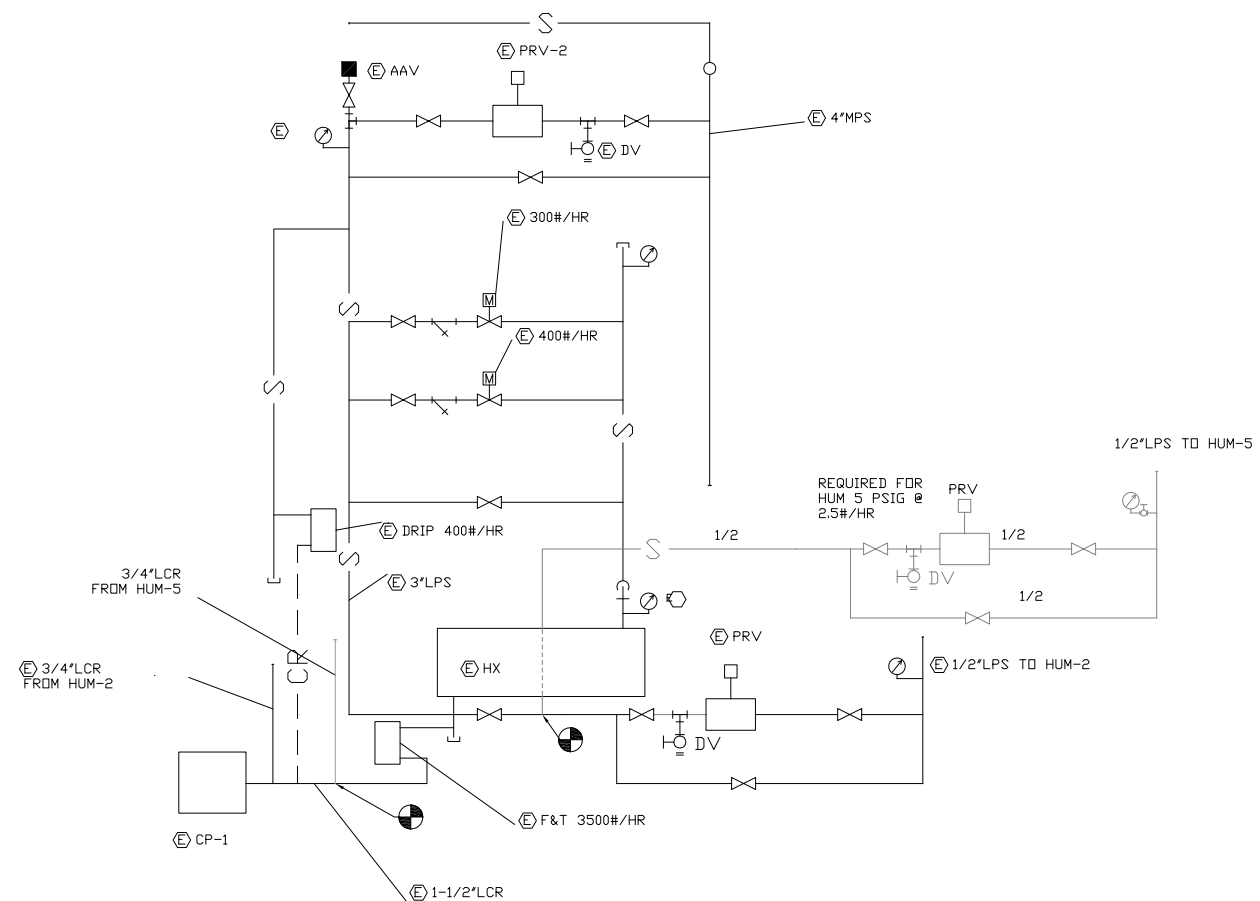
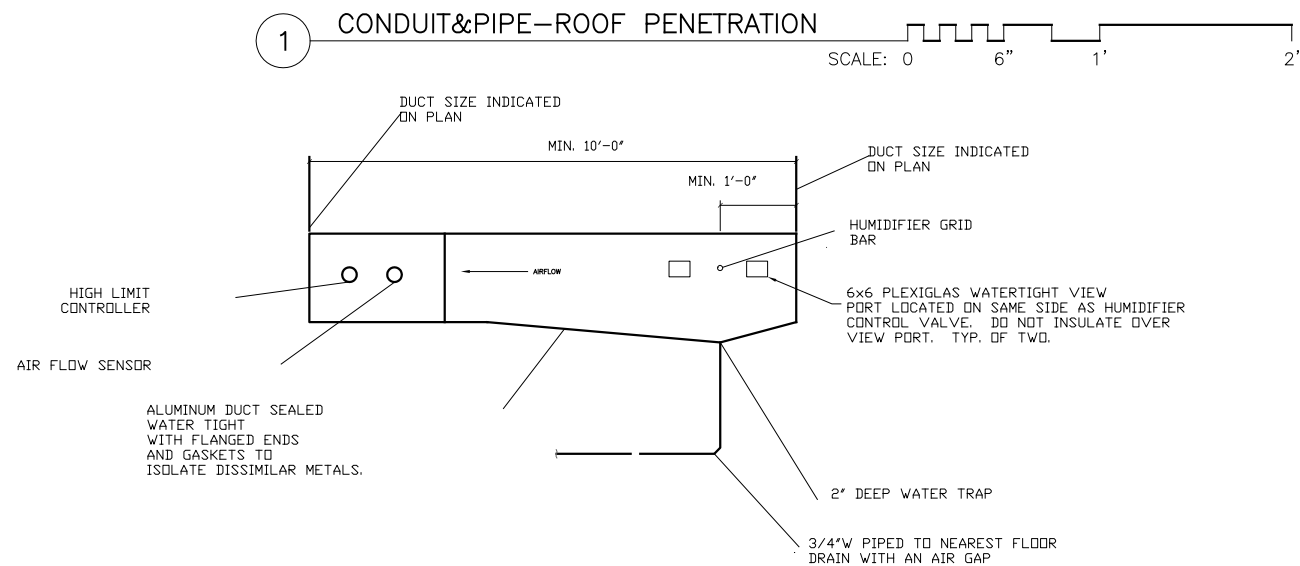
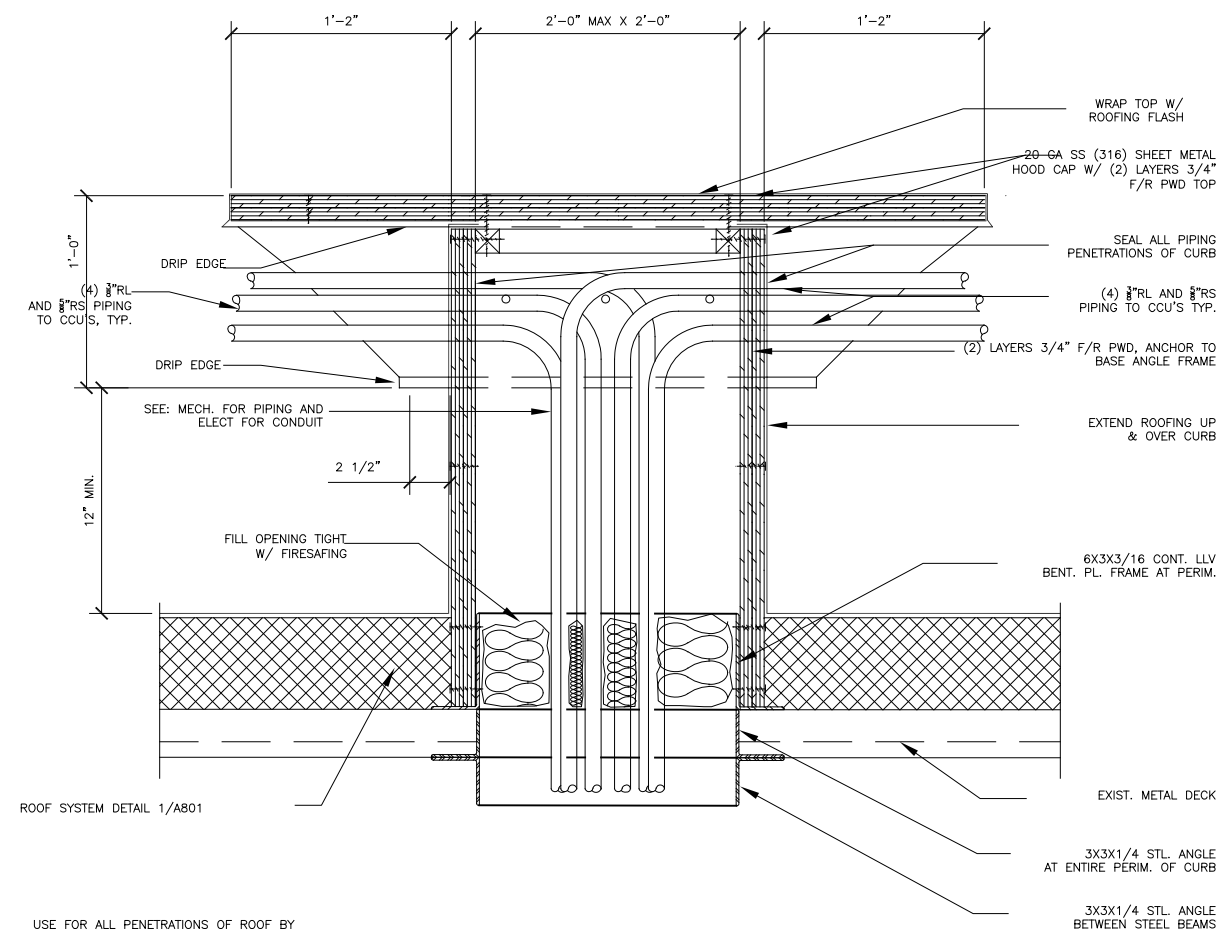
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**CONSTRUCTION
DOCUMENTS**
REVISIONS

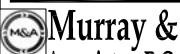


SHEET TITLE
**PARTIAL
FLOOR PLAN
LEVEL 2
DUCTWORK**
DATE: December 1, 2011
FILE:

M302



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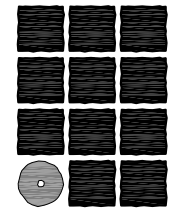
**City & Borough of Juneau
Bartlett Regional Hospital
Server Room Cooling System Replacement
CBJ Contract No. E12-149
Juneau, Alaska**

CONSTRUCTION DOCUMENTS

SHEET TITLE
DETAILS
DIAGRAMS &
SPECIFICATIONS

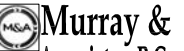
DATE: December 1, 2011
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M401



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REVISIONS

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SHEET TITLE

CONTROL
DIAGRAMS

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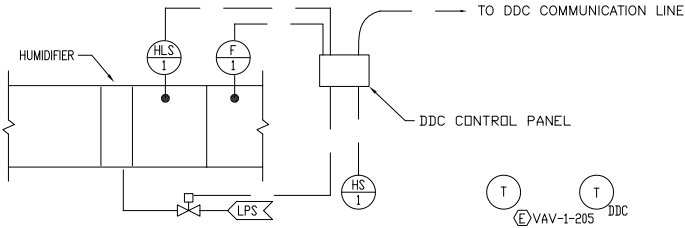
DATE: December 1, 2011

FILE:

M501

CONTROLS LEGEND

	CONTROLLER	AHU	AIR HANDLING UNIT
	SMOKE DETECTOR	AI	ANALOG INPUT
	IMMERSION THERMOSTAT OR THERMOSTATIC SENSOR	AO	ANALOG OUTPUT
	VALVE ACTUATOR	CHR	CHILLED WATER RETURN
	DAMPER ACTUATOR	CHS	CHILLED WATER SUPPLY
	FLOW SWITCH	COM	COMMON
	CARBON DIOXIDE SENSOR	DI	DIGITAL INPUT
	DIFFERENTIAL PRESSURE GAGE	DO	DIGITAL OUTPUT
	CURRENT SENSOR	EAD	EXHAUST AIR DAMPER
	PUMP	EF	EXHAUST FAN
	ROOM THERMOSTAT	FP	FINNED PIPE
	AIR DIRECTION	HWR	HEATING WATER RETURN
	THERMOMETER	HWS	HEATING WATER SUPPLY
	MOTOR	LL	LOW LIMIT CONTROL
	CONTROL SWITCH	MA	MIXED AIR
		NO	NORMALLY OPEN
		NC	NORMALLY CLOSED
		OAD	OUTSIDE AIR DAMPER
		OSA	OUTSIDE AIR
		RF	RETURN FAN
		SA	SUPPLY AIR
		SF	SUPPLY FAN
		VFD	VARIABLE FREQUENCY DRIVE

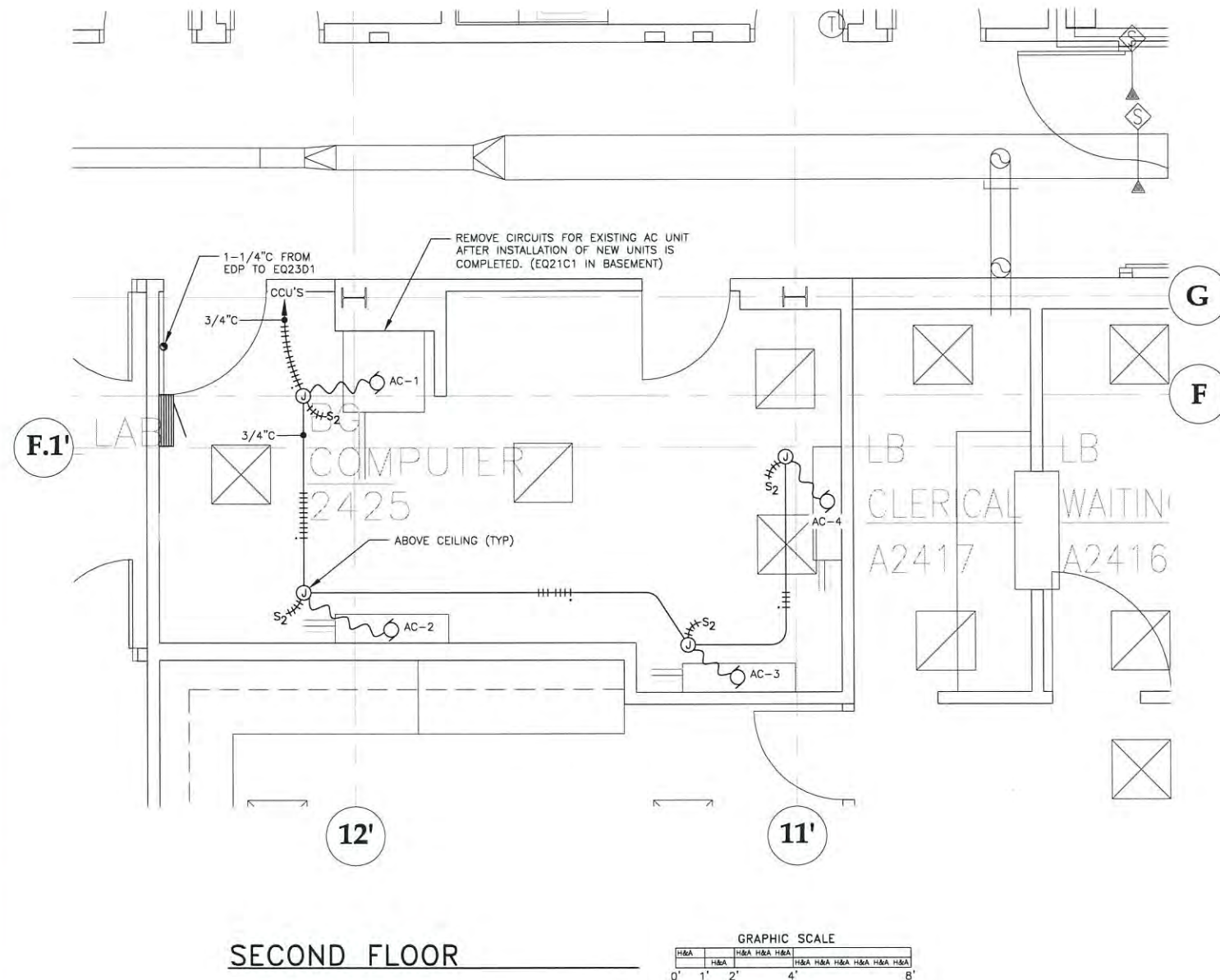


1 TYPICAL HUMIDIFIER AND ROOM CONTROL DIAGRAM
SCALE: NONE

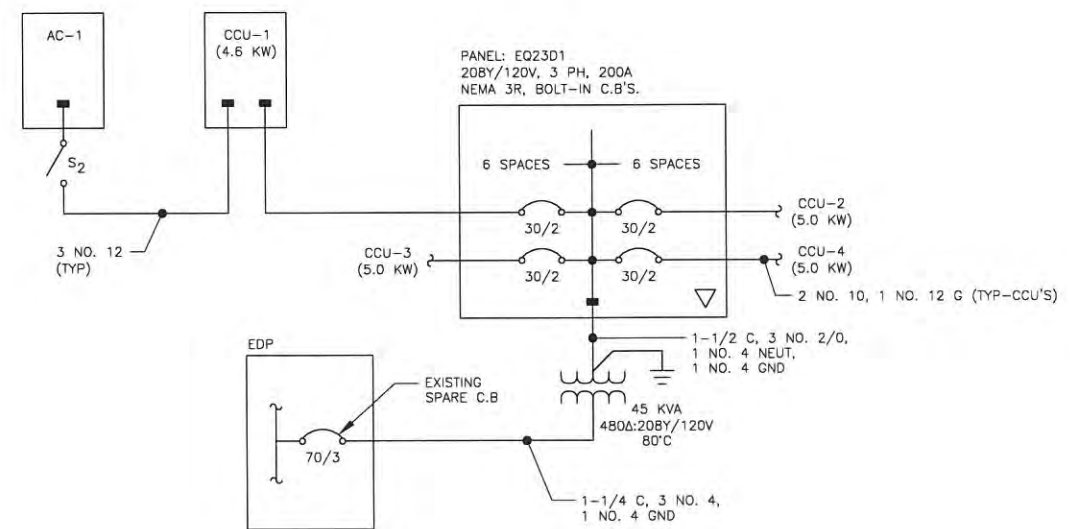
- TYPICAL HUMIDIFIER (HUM-5)
 - GENERAL HUMIDISTAT (HS/1) WILL MODULATE THE NORMALLY CLOSED STEAM HUMIDIFIER CONTROL VALVE TO MAINTAIN RELATIVE HUMIDITY SETPOINT OF 50% (ADJUSTABLE).
 - A SEPARATE HIGH LIMIT DUCT HUMIDITY SENSOR (HLS) WILL LIMIT THE DUCT RELATIVE HUMIDITY TO 90%. DDC SYSTEM WILL ALARM IF DUCT RELATIVE HUMIDITY EXCEEDS 90%.
 - PROVIDE AIR FLOW SENSOR TO SHUT DOWN HUMIDIFIER VALVE IF NO AIR FLOW IS DETECTED IN DUCT.
- VERIFY THAT THERMOSTAT VAV-1-205 IS OPERATIONAL.
- INSTALL NEW DDC THERMOSTAT TO MONITOR ROOM TEMPERATURE AND ALARM IS ABOVE AN ADJUSTABLE 70°F.

Dec 01, 2011 - 3:55pm
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- NOTES - INTERIOR:
1. ALL RACEWAYS SHALL BE EMT AND STEEL FLEXIBLE CONDUIT.
 2. ALL CONDUCTORS SHALL BE COPPER WITH XHHW OR THHN INSULATION.



NOTE: REFER TO ARCHITECTURAL DRAWINGS, PARTICULARLY A301 FOR DEFINITION OF CONDUIT ROUTE TO THE ROOF. COORDINATE INSTALLATION WITH CHILLER PIPES



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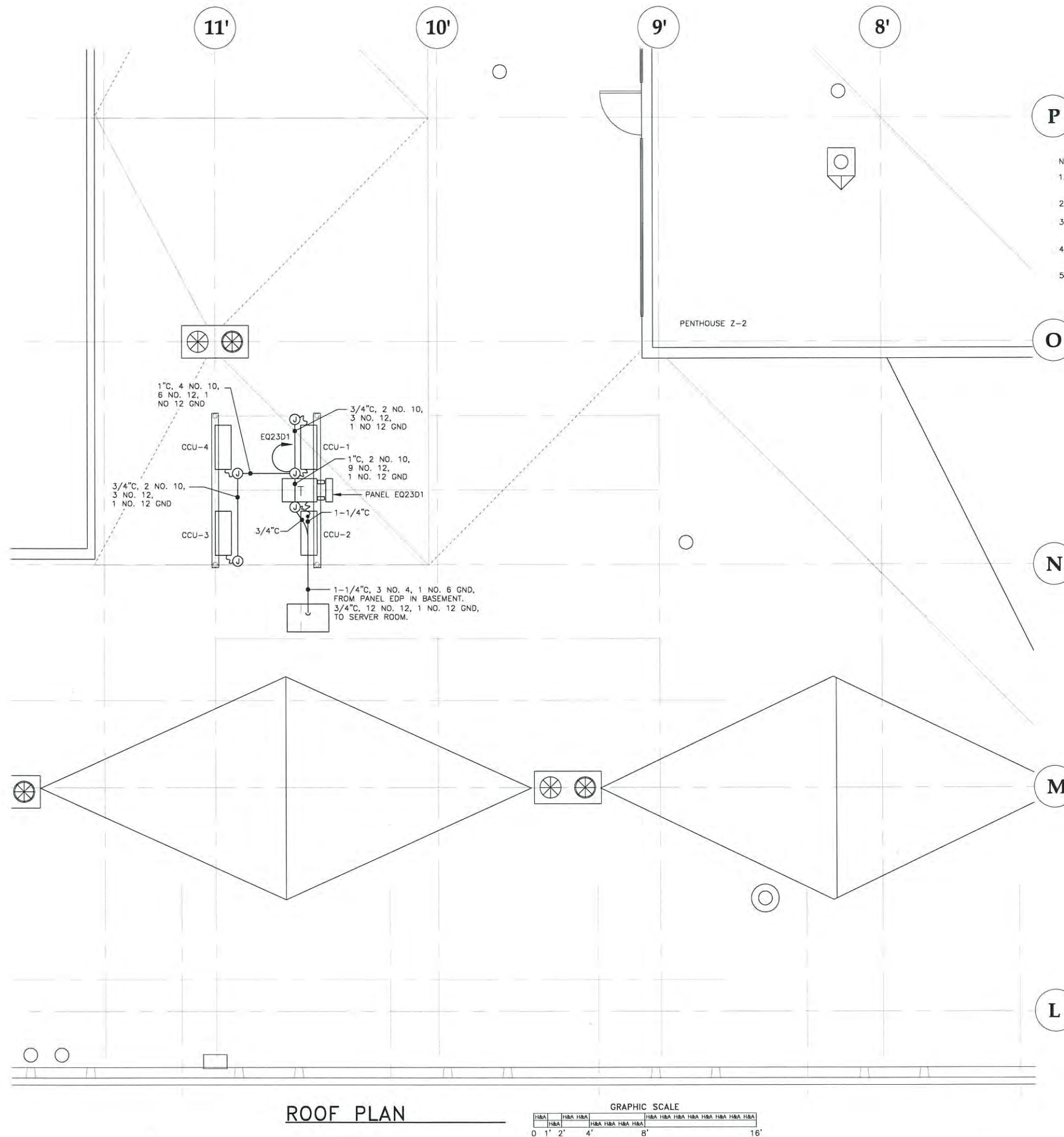
SINGLE LINE
DIAGRAM &
PANEL ELEVATION

DATE: December 01, 2011

FILE:

E100

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- NOTES - ROOF:
1. ALL CONDUIT AND FITTINGS SHALL BE HOT-DIPPED GALVANIZED RIGID STEEL.
 2. ALL CONDUCTORS SHALL BE COPPER WITH XHHW INSULATION.
 3. WHERE CONDUIT IS INSTALLED ON ROOF, SUPPORT WITH "ERICO, CADDY PYRAMID ST SERIES" STRUT SUPPORTS.
 4. PROVIDE ADDITIONAL COAT OF PAINT ON PANEL ENCLOSURE BEFORE INSTALLATION.
 5. ALL SUPPORT MATERIALS SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL.

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HAIGHT & ASSOCIATES
CONSULTING ELECTRICAL ENGINEERS
Dec 01, 2011

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SHEET TITLE
ROOF PLAN

DATE: December 01, 2011
FILE:

E101