

Glacier Fire Station Dorm Renovation

VOLUME II of II

Contract No. BE18-128

File No. 1982



City and Borough of Juneau

GLACIER FIRE STATION

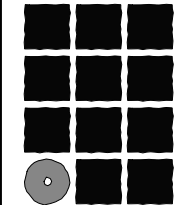
DORM RENOVATION

Juneau, Alaska

CBJ Contract No. BE18-128

March 1, 2018

ARCHITECT JENSEN YORBA LOTT, INC 522 WEST 10TH STREET JUNEAU, ALASKA 99801 (907) 586-1070 FAX (907) 586-3959	MECHANICAL ENGINEER PDC INC,ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, ALASKA 99801 (907) 780-6060 FAX (907) 780-4611	ELECTRICAL ENGINEER BEGENYI ENGINEERING, LLC 217 2ND STREET, SUITE 208 JUNEAU, AK 99801 (907)586-5900 FAX (907)586-5901	
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Jensen

Yorba

Lott

Inc.

522 West 10th Street

Juneau, Alaska 99801

Phone 907-586-1070

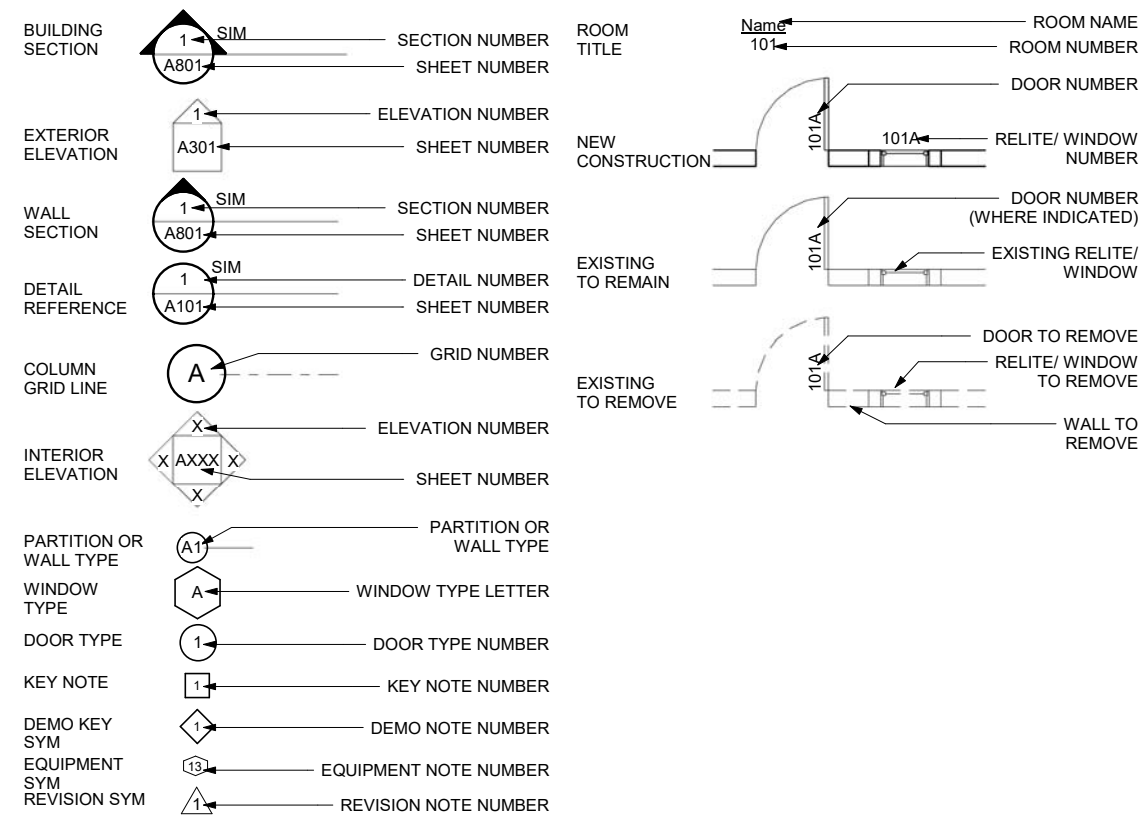
Fax 907-586-3959

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FILE: 17037

A001

SYMBOLS



FINISH SCHEDULE

Finish Schedule												
Room No.	Room Name	Floor Finish	Base		Wainscot		Walls				Ceiling Finish	Comments
			Finish	Ht	Finish	Ht	North	East	South	West		
102	STAIR	RUB	RUB	4"	---	---	PT	PT	PT	PT	EX	SEE 6/A901
124	STAIR	RUB	RUB	4"	---	---	PT	PT	PT	PT	EX	SEE 6/A901
201	TELE	CPT	RUB	4"	---	---	PT	PT 2	PT 2	PT 2	ACP	
202	BEDROOM	CPT	RUB	4"	---	---	PT 2	PT 2	PT 2	PT	*ACP	* NOTE 1
203	BEDROOM	CPT	RUB	4"	---	---	PT 2	PT	PT 2	PT 2	*ACP	* NOTE 1
204	BATH	SV	SVC	6'	---	---	RVW	RVW	RVW	RVW/PT	EX/PT	
205	BEDROOM	CPT	RUB	4"	---	---	PT 2	PT 2	PT 2	PT	*ACP	* NOTE 1
206	BATH	SV	SVC	6'	---	---	RVW	RVW	RVW	RVW	EX/PT	
207	BATH	SV	SVC	6'	---	---	RVW	RVW	RVW	RVW	EX/PT	
208	LAUNDRY	SV	SVC	6"	---	---	RVW	RVW	RVW	RVW	EX/PT	
209	BEDROOM	CPT	RUB	4"	---	---	PT 2	PT	PT 2	PT 2	*ACP	* NOTE 1
210	DORMITORY	CPT	RUB	4"	---	---	PT 2	PT 2	PT	PT 2	*ACP	* NOTE 1
211	POLE	CPT	RUB	4"	---	---	PT	PT	PT	PT	EX	
212	STORAGE	RUB	RUB	4"	---	---	PT	PT	PT	PT	EX	
214	CORRIDOR	CPT	RUB	4"	---	---	EX	PT 2	PT	PT 2	ACP	
215	JANITOR	SV	SVC	6'	---	---	RVW	RVW	RVW	PT	EX/PT	

SEE SPECIFICATIONS FOR BASE BID AND BID ALTERNATE DESCRIPTIONS

NOTE 1: PATCH EX ACP WITH MATERIAL SLAVAGED FROM CORRIDOR 214 FOR MECH/ELEC WORK

PT2 PAINT OVER EXISTING VINYL WALL COVERING

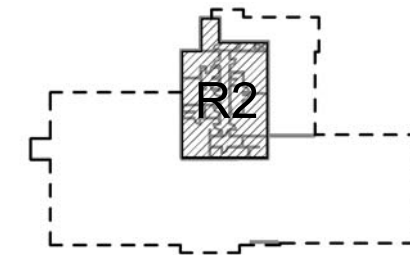
ABBREVIATIONS

AC	ANGLE	EMER	EMERGENCY	LAB	LABORATORY	R	RISER	UL	UNDERWRITERS LABORATORIES
ACM	ASPHALT CONCRETE	ENCL	ENCLOSURE	LAM	LAMINATE	RAD	RADIUS	UNF	UNFINISHED
	ASBESTOS CONTAINING MATERIAL	EPDM	ETHYLENE PROPYLENE DIANE MONOMER	LAV	LAVATORY	RD	ROOF DRAIN	UON	UNLESS OTHERWISE NOTED
ACP	ACOUSTICAL CEILING PANEL	EPS	EXPANDED POLYSTYRENE	LB	POUND	REF	REFERENCE	UR	URINAL
ADJ	ADJUSTABLE	EQ	EQUAL	LT	LIGHT	REFR	REFRIGERATOR		
AFF	ABOVE FINISH FLOOR	EOP	EQUIPMENT			REINF	REINFORCED	VB	VAPOR BARRIER
AIB	AIR INFILTRATION BARRIER	EQP	EQUIPMENT	MIR	MIRROR	REQ	REQUIRED	VERT	VERTICAL
AL	ALUMINUM	EX	EXISTING	MAX	MAXIMUM	RH	ROBE HOOK	VEST	VESTIBULE
APPROX	APPROXIMATE	EXT	EXTERIOR	MDO	MEDIUM DENSITY OVERLAID	RL	RAIN LEADER	VR	VAPOR RETARDER
ARCH	ARCHITECTURAL			MECH	MECHANICAL	RM	ROOM	VTR	VENT THROUGH ROO
ASB	ASBESTOS	FA	FIRE ALARM	MEMB	MEMBRANE	RO	ROUGH OPENING	WB	WEATHER BARRIER
		FD	FLOOR DRAIN	MFR	MANUFACTURER	RUB	RUBBER	WC	WATER CLOSET
BD	BOARD	FDN	FOUNDATION	MH	MANHOLE	RWV	RIGID VINYL WALL COVERING	WD	WOOD
BLDG	BUILDING	FEC	FIRE EXTINGUISHER CABINET	MIN	MINIMUM	RWD	REDWOOD	WO	WALK OFF MAT
BLK	BLOCK	FF	FINISH FLOOR	MISC	MISCELLANEOUS			WP	WATERPROOF/WALL PANEL
BLKG	BLOCKING	FHC	FIRE HOSE CABINET	MTD	MOUNTED	SASU	SELF ADHERING SHEET	WR	WASTE RECEPTACLE
BM	BEAM	FIN	FINISH	MTL	METAL		UNDERLAYMENT	WST	WAINSCOT
BOT	BOTTOM	FLASH	FLASHING	MUL	MULLION	SCD	SEAT COVER DISPENSER	WT	WEIGHT
		FLR	FLOOR			SCHED	SCHEDULE	WWF	WELDED WIRE FABRIC
		FOC	FACE OF CONCRETE	NIC	NOT IN CONTRACT	SF	SQUARE FOOT		
CAB	CABINET	FOF	FACE OF FINISH	NO OR #	NUMBER	SHR	SHOWER		
CB	CATCH BASIN	FOS	FACE OF STUD	NOM	NOMINAL	SHTH	SHEATHING		
CBU	CEMENTITIOUS BACKER UNIT	FRP	(GLASS) FIBER REINFORCED	NTS	NOT TO SCALE	SIM	SIMILAR		
CEM	CEMENT		PLASTIC			SLR	SEALER		
CG	CORNER GUARD	FRPF	FIREPROOF	OA	OVERALL	SND	SANITARY NAPKIN DISPENSER		
CI	CAST IRON	FR	FIRE RETARDANT	OC	ON CENTER	SNR	SANITARY NAPKIN RECEPTACLE		
CLG	CEILING	FSR	FLEXIBLE SHEET ROOFING	OD	OUTSIDE DIAMETER	SPEC	SPECIFICATIONS		
COL	COLUMN	FT	FOOT OR FEET	OFCI	OWNER FURNISHED	SQ	SQUARE		
CONC	CONCRETE	FTG	FOOTING		CONTRACTOR INSTALLED	STA	STATION		
CONT	CONTINUOUS	FURR	FURRING	OFOI	OWNER FURNISHED	STC	SOUND TRANSMISSION CLASS		
CTR	CENTER				OWNER INSTALLED	STD	STANDARD		
CTSK	COUNTERSUNK	GA	GAUGE	OFD	OVERFLOW DRAIN	STL	STEEL		
CPT	CARPET	GALV	GALVANIZED	OFF	OFFICE	STOR	STORAGE		
		GB	GRAB BAR	OPNG	OPENING	STRUCT	STRUCTURAL		
DBL	DOUBLE	GL	GLASS	OPP	OPPOSITE	SS	STAINLESS STEEL		
DEPT	DEPARTMENT	GWB	GYPNUM WALL BOARD	OSB	ORIENTED STRAND BOARD	SUSP	SUSPENDED		
DF	DRINKING FOUNTAIN	GYP	GYPNUM			SV	SHEET VINYL		
DET	DETAIL			PL	PLATE	SVC	SHEET VINYL COVE		
DIA	DIAMETER	HB	HOSE BIBB	PLAM	PLASTIC LAMINATE	SY	SQUARE YARD		
DIM	DIMENSION	HDWD	HARDWOOD	PLAS	PLASTER				
DISP	DISPENSER	HM	HOLLOW METAL	PC	PRE-CAST	TB	TOWEL BAR		
DN	DOWN	HORIZ	HORIZONTAL	PF	PRE-FINISHED	TC	TOP OF CURB		
DR	DOOR	HR	HOUR	PR	PAIR	TEL	TELEPHONE		
DS	DOWNSPOUT	HT	HEIGHT	PT	PAINT	TEMP	TEMPORARY		
DWG	DRAWING	HW	HOT WATER	PT2	PAINT OVER EX VINYL WALL	T&G	TONGUE & GROOVE		
DWR	DRAWER				COVERING	TOC	TOP OF CONCRETE		
		ID	INSIDE DIAMETER	PWD	PLYWOOD	TOD	TOP OF DECK		
EA	EACH	INSUL	INSULATION			TPD	TOILET PAPER DISPENSER		
EF	EXHAUST FAN	INT	INTERIOR			TRD	TREAD		
EFIS	EXTERIOR INSULATION & FINISH SYSTEM					TRTD	PRESSURE TREATED		
EJ	EXPANSION JOINT	JAN	JANITOR			TOW	TOP OF WALL		
EL	ELEVATION	JT	JOINT			TYP	TYPICAL		
ELEC	ELECTRICAL								
ELEV	ELEVATOR								

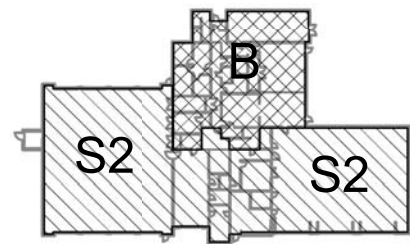
CODE SUMMARY

INTERNATIONAL BUILDING CODE	2012
CONSTRCUCTION TYPE	VB (SPRINKLERED)
OCCUPANCY TYPE	R2, B, & S2
<u>AREA CALCULATIONS</u>	
ACTUAL	
-B	4,340 SF
-S2 (PLUS MEZZANINE - 1,000 SF)	12,210 SF
	TOTAL 1st floor: 19,235 SF
-R2	2,685 SF
	TOTAL 2nd floor: 2,685 SF
ALLOWABLE	
7,000 SF (X2 FOR SPLINKLERS) + (10,500 SF FOR IBC 506.2)	24,500 SF 1st Floor
7,000 SF (X2 FOR SPLINKLERS) + (10,500 SF FOR IBC 506.2)	24,500 SF 2nd Floor
<u>HEIGHT CALCULATIONS</u>	
ACTUAL	35' / 2 STORIES
ALLOWABLE (ADDITION w/SPLINKLERS)	60' / 2 STORIES

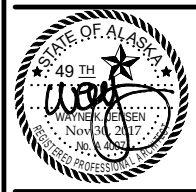
SECOND FLOOR PLAN



FIRST FLOOR PLAN



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



City and Borough of Juneau
**GLACIER FIRE STATION
DORM RENOVATION**
CBJ Contract No. BE18-128
Juneau, Alaska

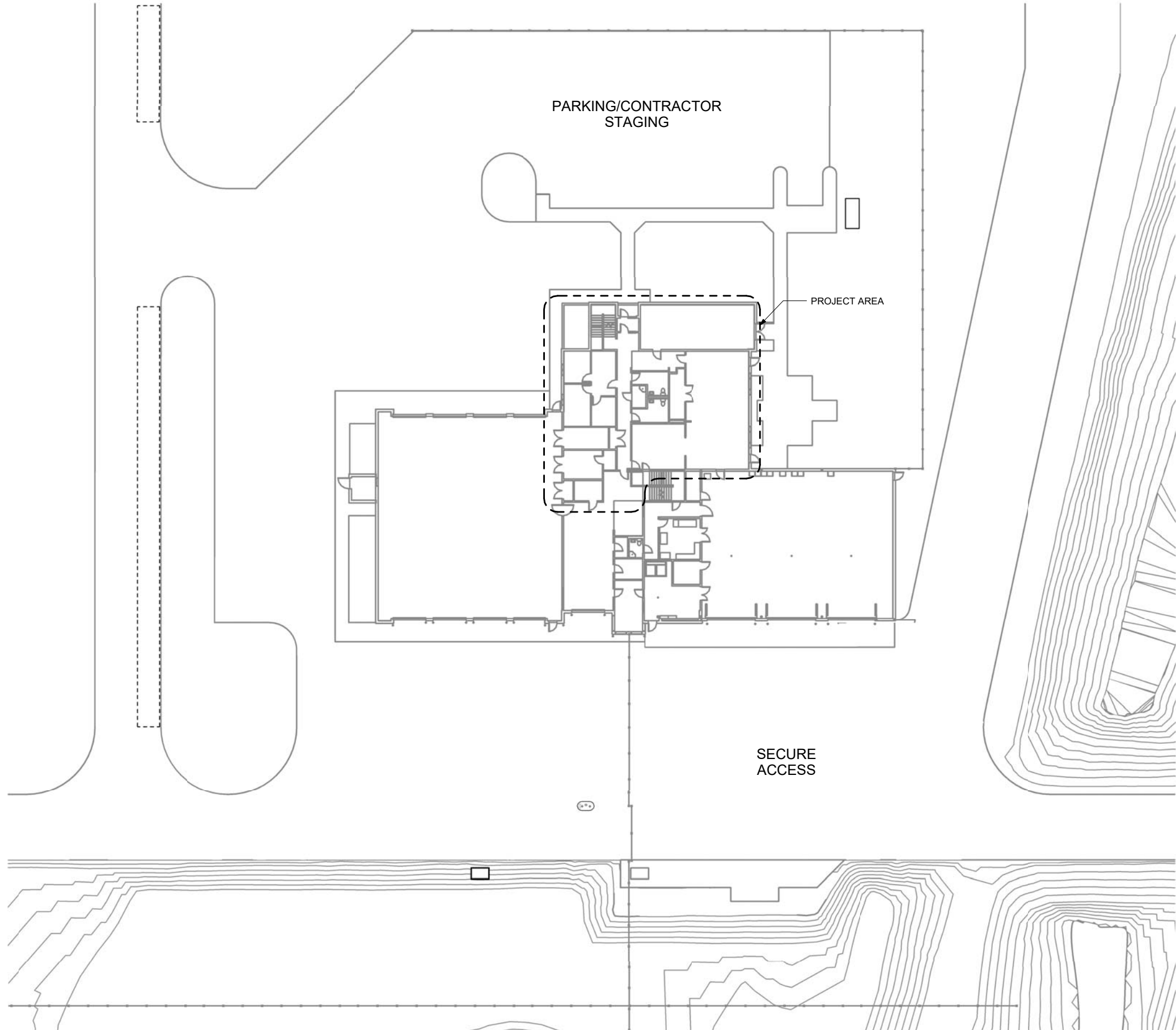
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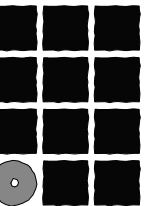
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**SYMBOLS,
ABBREVIATIONS &
SCHEDULES**

DATE: March 1, 2018
FILE: 17037

A002

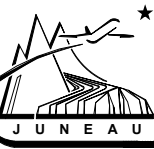


1 SITE PLAN



**Jensen
Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
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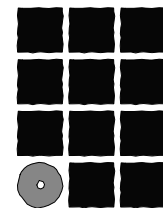
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SHEET TITLE
SITE PLAN

DATE: March 1, 2018
FILE: 17037

A101



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Yorba
Lott
Inc.**

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
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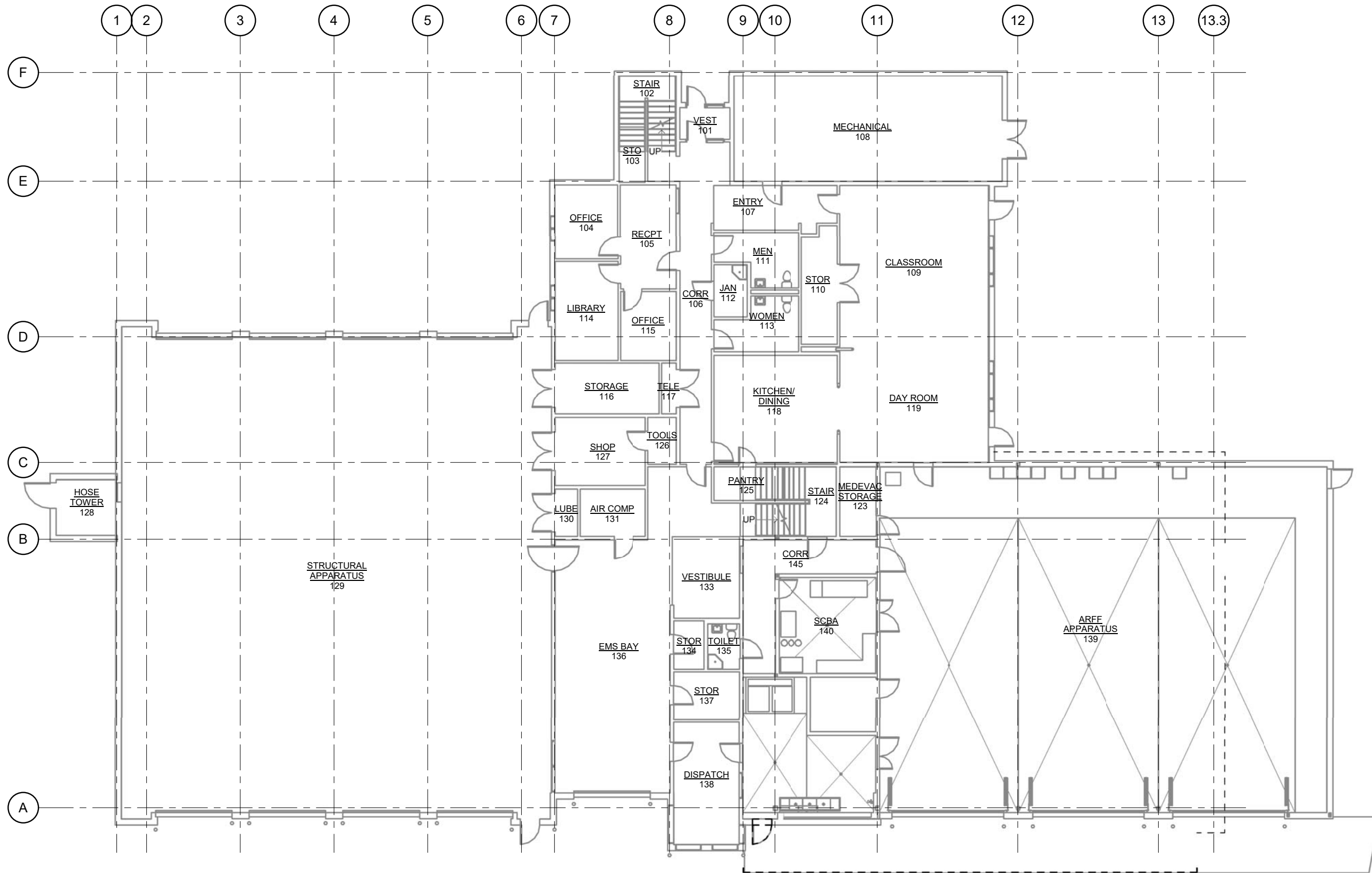
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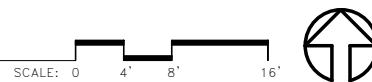
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EXISTING FIRST
FLOOR PLAN

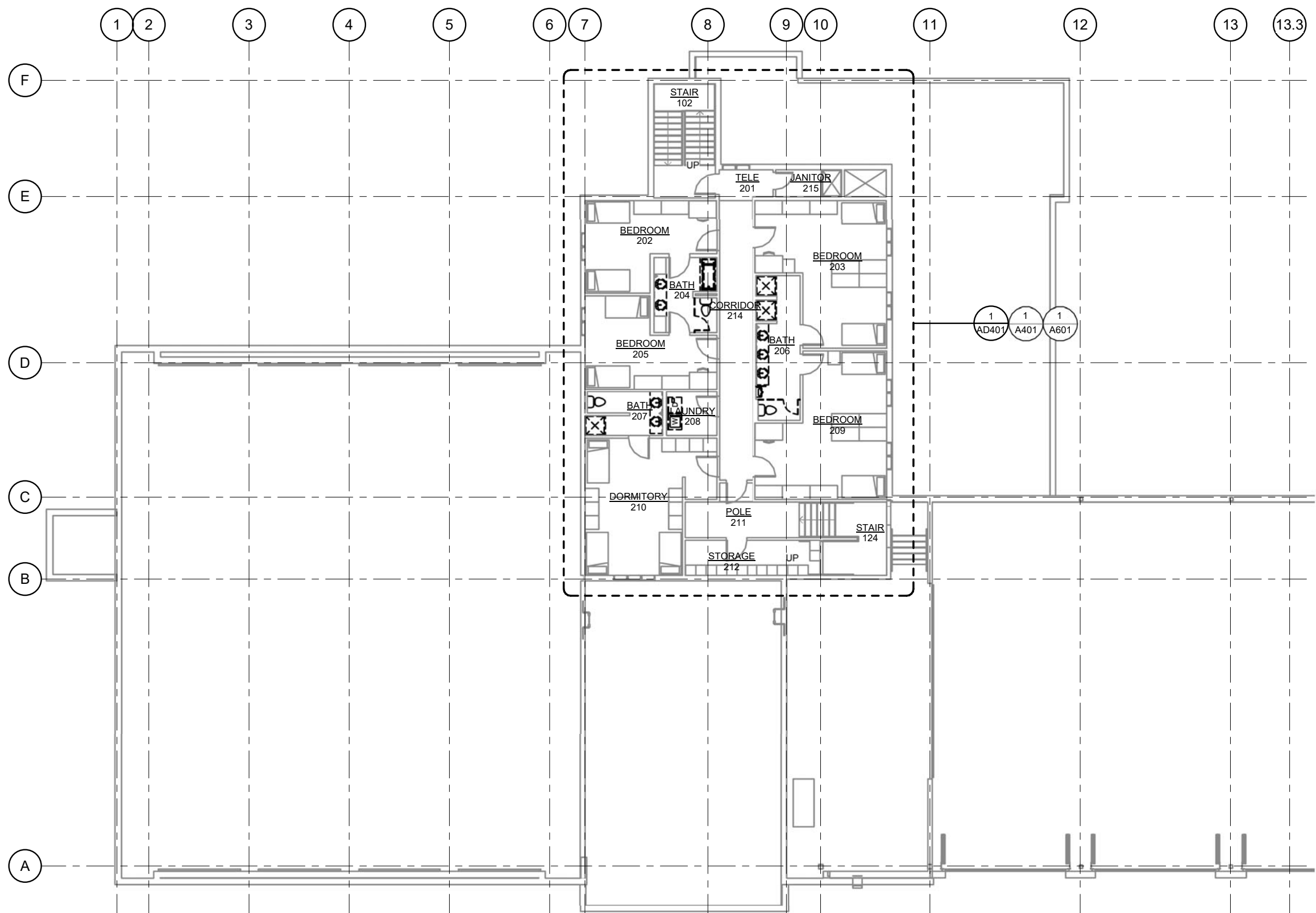
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AD201

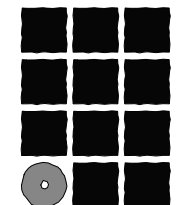
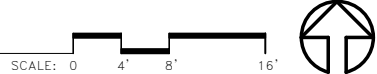


1 EXISTING FIRST FLOOR PLAN



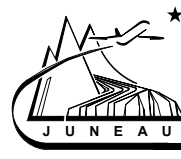


1 SECOND FLOOR DEMOLITION PLAN



**Jensen
Yorba
Lott
Inc.**

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



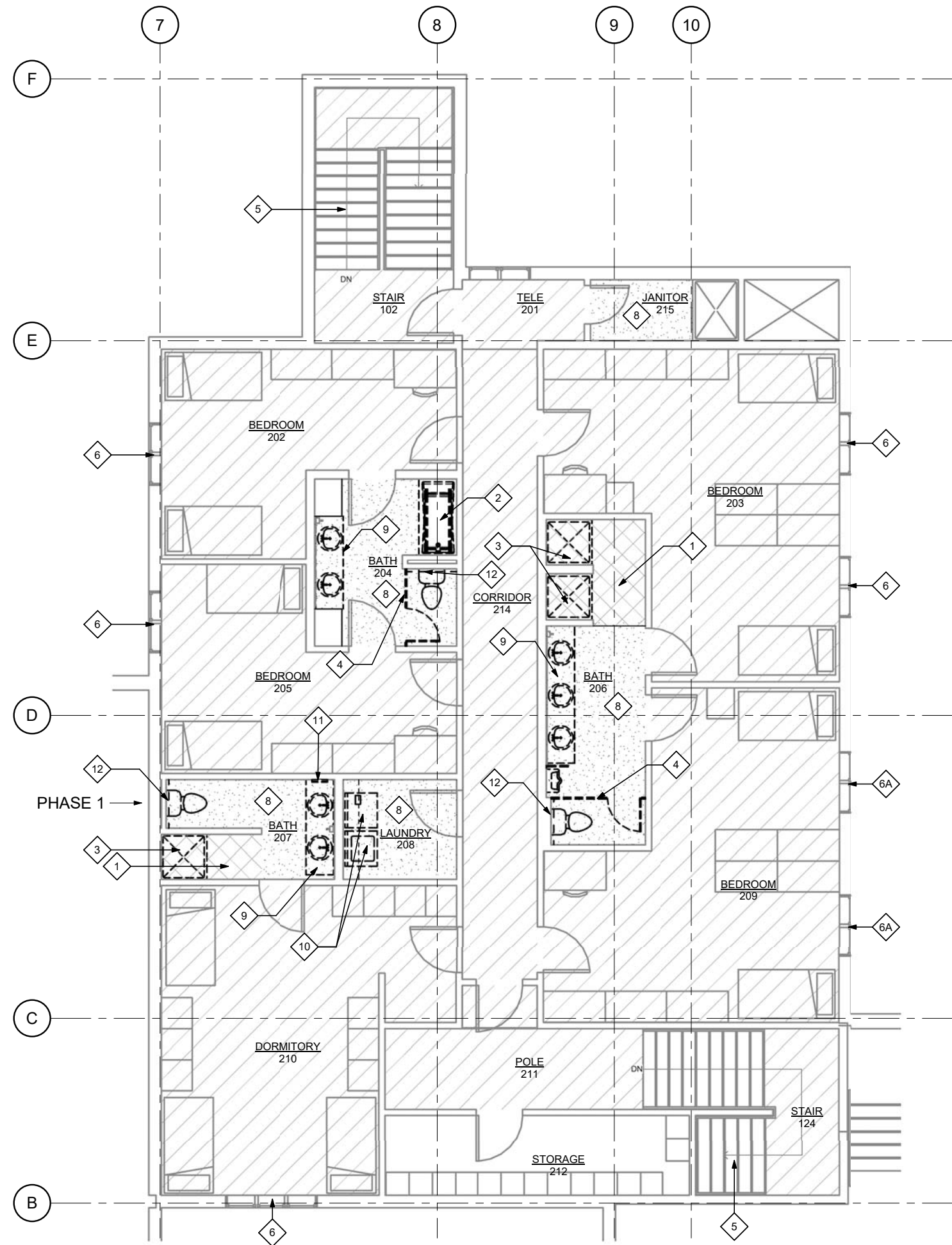
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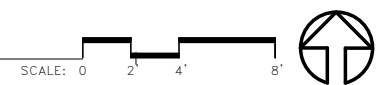
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**DEMOLITION
SECOND FLOOR
PLAN**

DATE: March 1, 2018
FILE: 17037

AD202



1 ENLARGED SECOND FLOOR DEMOLITION PLAN



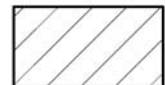
DEMOLITION NOTES:

1. REMOVE CASEWORK, FIXTURES AND FINISHES AS INDICATED. COORDINATE W/ MECHANICAL
2. PREPARE WALL AND FLOOR SURFACES FOR FINISHES AS SCHEDULED
3. SALVAGE TOILET ACCESSORIES FOR RE-INSTALLATION UON.

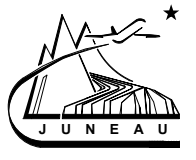
DEMOLITION KEYNOTES:

- 1 REMOVE TILED RAISED FLOOR AREA
- 2 REMOVE TUB UNIT AND SURROUND, REMOVE GWB TO STUDS
- 3 REMOVE SHOWER UNIT. REMOVE TILE AND GWB TO STUDS TYP 3 SIDES
- 4 REMOVE TOILET PARTITIONS AND TPD
- 5 REMOVE RUBBER STAIR TREAD & NOSING
- 6 REMOVE WOOD TRIM @ EX WINDOWS. SALVAGE SHELVING UNITS ABOVE BEDS FOR RE-INSTALLATION, COORD W/ ELECT. REMOVE GWB AND WALL COVERING FULL LENGTH OF WALL, SALVAGE WINDOW COVERINGS AS REQUIRED FOR REPLACEMENT OF RADIATOR VALVES AND THERMOSTATS PER MECHANICAL
- 6A CUT & PATCH WALL AS REQUIRED FOR MECHANICAL WORK
- 7 NOT USED
- 8 REMOVE MARLITE WALL PANELS, TYP ALL WALLS. REMOVE ROBE HOOKS, TOWEL BARS AND TPD'S.
- 9 REMOVE CASEWORK AND FIXTURES - SEE MECH
- 10 REMOVE WASHER AND DRYER - DELIVER TO OWNER. REMOVE CASEWORK
- 11 SALVAGE RECESSED MEDICINE CABINET AS REQUIRED FOR WALL FINISH REPLACEMENT
- 12 REMOVE GWB AS REQUIRED FOR TOILET INSTALLATION

DEMOLITION LEGEND:

-  REMOVE CARPET & BASE
-  REMOVE TILE
-  REMOVE SHEET VINYL AND RUBBER BASE

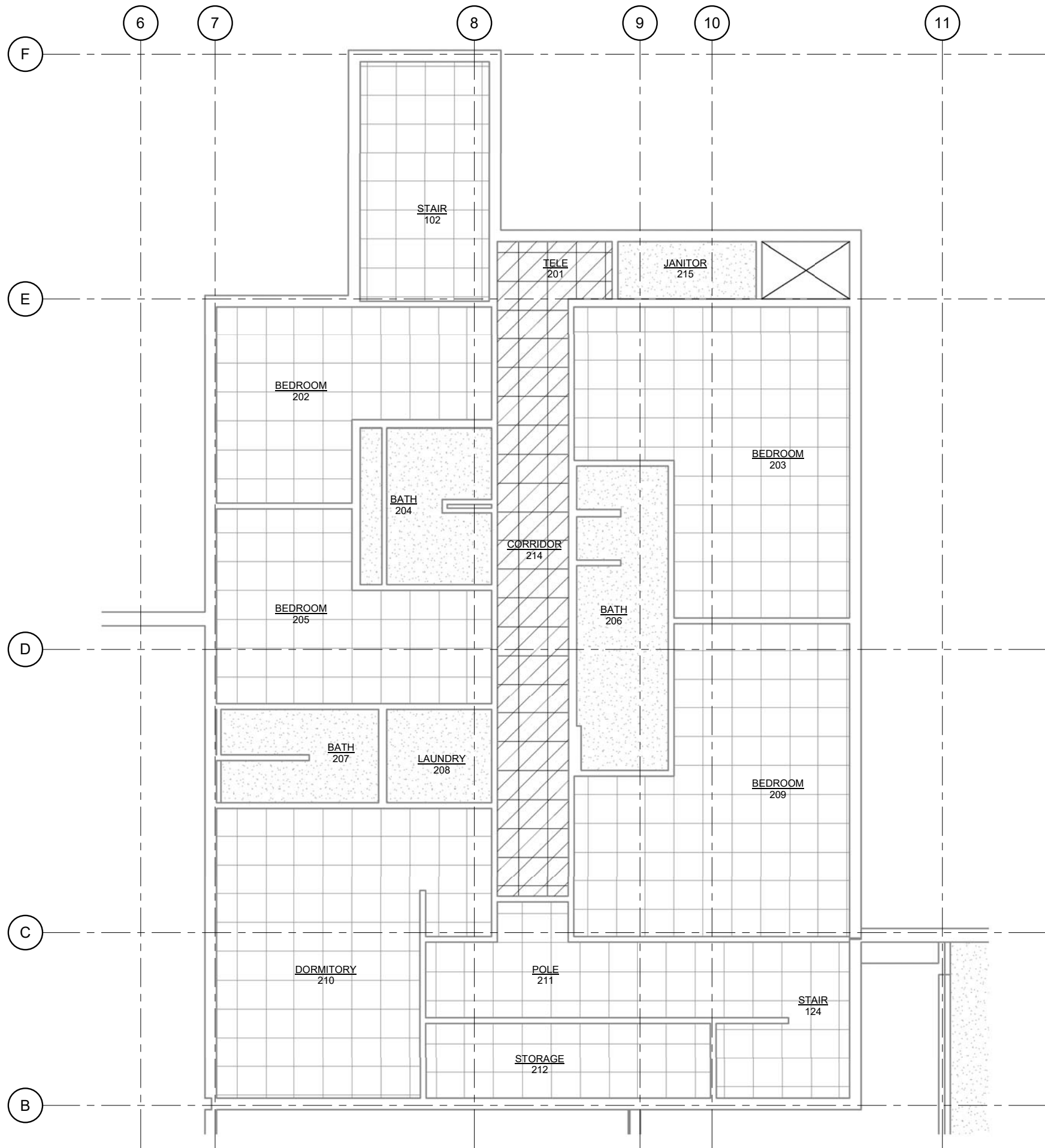
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REVISIONS
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SHEET TITLE
ENLARGED
SECOND FLOOR
DEMOLITION PLAN

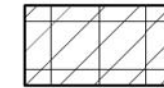
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DEMOLITION RCP NOTES:

SEE MECHANICAL AND ELECTRICAL FOR
FIXTURE DEMOLITION

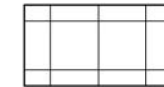
DEMOLITION RCP LEGEND:



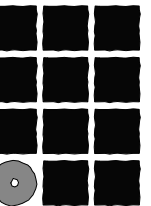
SALVAGE ACP SYSTEM FOR
PATCHING.



EX GWB CEILING



EX 2x2 ACP CEILING



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Yorba
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Inc.**

522 West 10th Street
Juneau, Alaska 99801
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Fax 907-586-3959
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SHEET TITLE
**SECOND FLOOR
DEMOLITION
REFLECTED
CEILING PLAN**

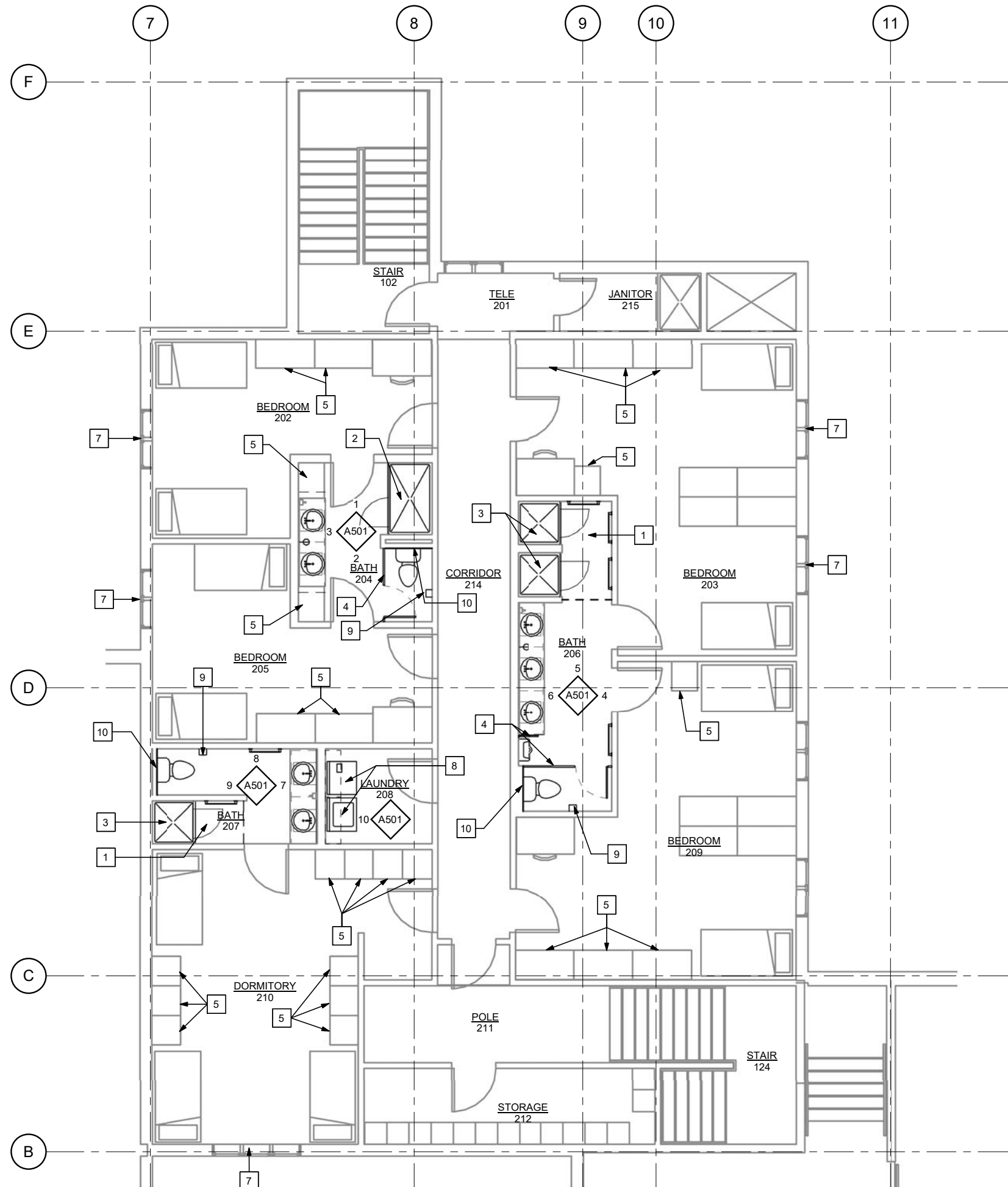
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AD601

1 SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN

SCALE: 0 2' 4' 8'

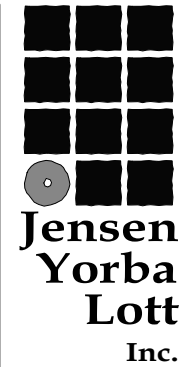
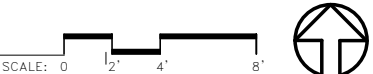




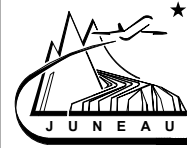
- NOTES:
- 1. PROVIDE FIXTURES, FINISHES AND EQUIPMENT AS INDICATED. COORDINATE WITH MECH & ELEC
 - 2. PATCH WALL AND CEILING SURFACES WHERE DEMO WORK OCCURS TO MATCH ADJACENT SURFACES
 - 3. SEE A002 FOR FINISH SCHEDULE
 - 4. SEE 2/A901 FOR TYPICAL VANITY CASEWORK DETAIL
 - 5. REINSTALL TOILET ACCESSORIES UON.
 - 6. REINSTALL WINDOW COVERINGS & SHELVING UNITS OVER BEDS. COORDINATE WITH W/ ELEC.

- KEYNOTES:
- 1 PROVIDE PWD UNDERLAYMENT WHERE RAISED TILE AREA IS REMOVED, FLUSH TO EXISTING
 - 2 PROVIDE CBU @ WALL WHERE TUB SURROUND IS REMOVED. PROVIDE SHOWER UNIT. SEE 4/A901
 - 3 PROVIDE CBU @ WALLS AND FLOOR WHERE TILED SURFACES ARE REMOVED. PROVIDE SHOWER UNIT SEE 4/A901
 - 4 TOILET PARTITIONS/ URINAL SCREEN
 - 5 RESURFACE PLAM DOOR @ CLOSET STORAGE UNITS WITH PLAM & EDGE TRIM, PAINT EXPOSED SIDES OF CABINETS, SEE 1/A901
 - 6 NOT USED
 - 7 5/8" GWB WHERE EX IS REMOVED , PROVIDE WOOD TRIM @ WINDOWS, SEE 5/A901. COORDINATE WITH MECH WORK. PATCH WALL AT THERMOSTAT LOCATION. FINISH AS SCHEDULED
 - 8 WASHER & DRYER - OFCI
 - 9 TPD
 - 10 PATCH GWB WHERE TOILET IS REPLACED

1 ENLARGED SECOND FLOOR RENOVATION PLAN



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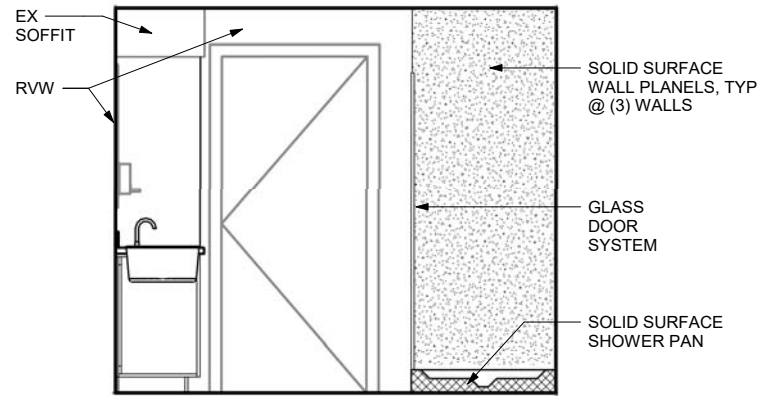
REVISIONS



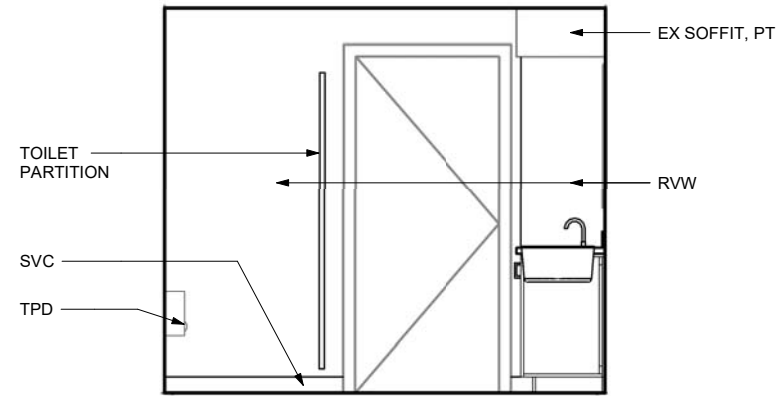
SHEET TITLE
ENLARGED
SECOND FLOOR
RENOVATION
PLAN

DATE: March 1, 2018
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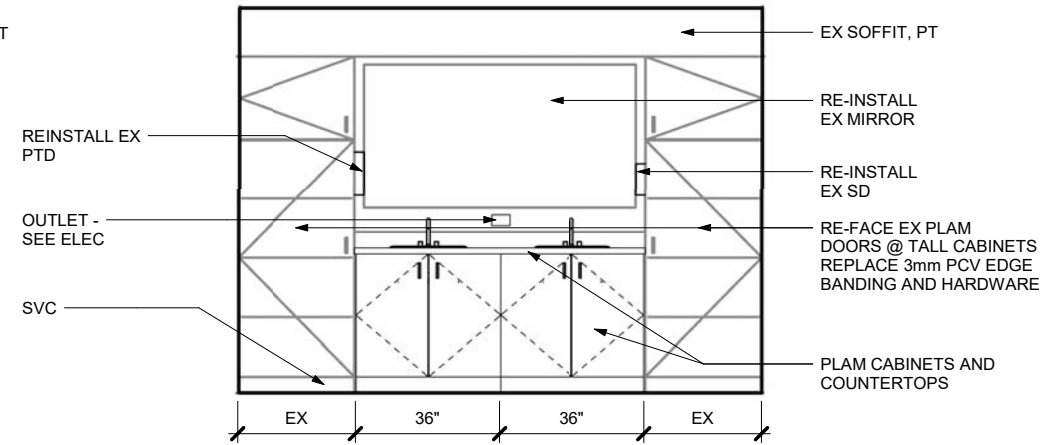
A401



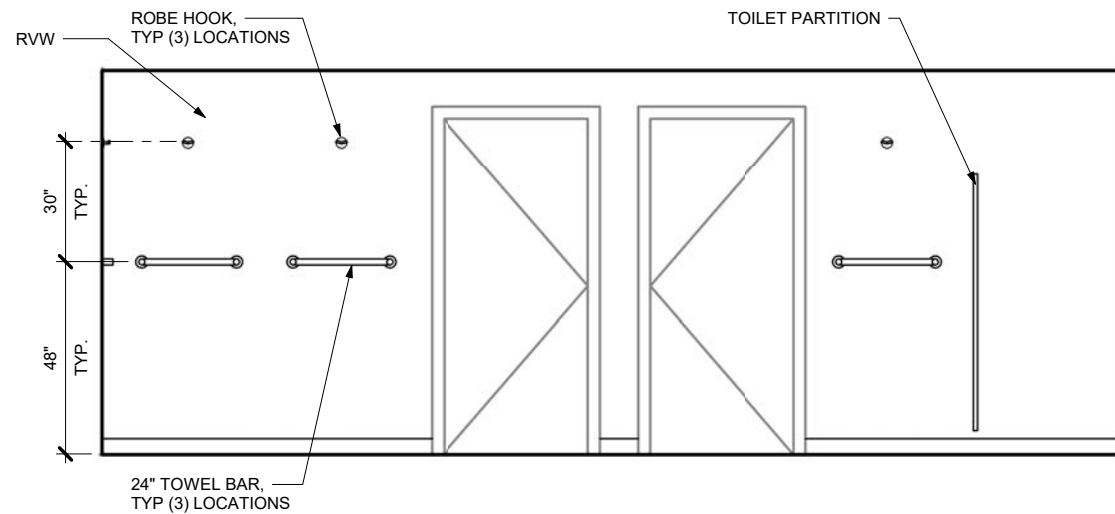
1 BATH 204



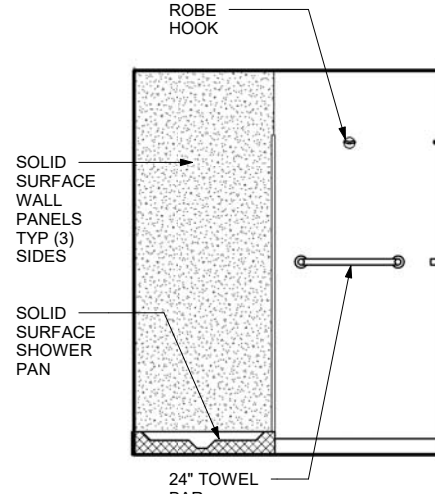
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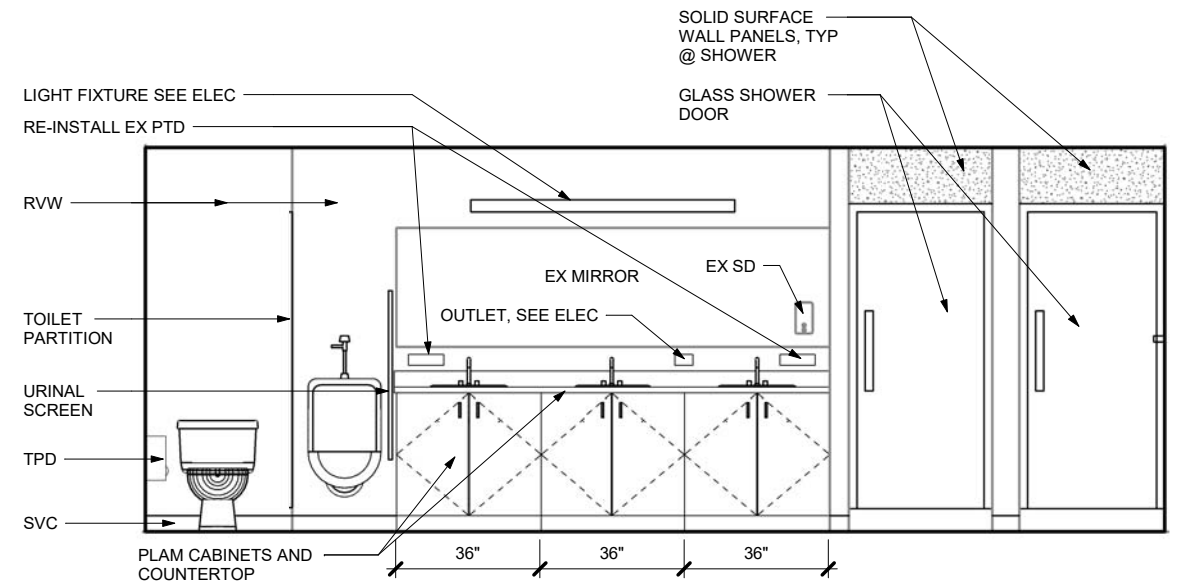
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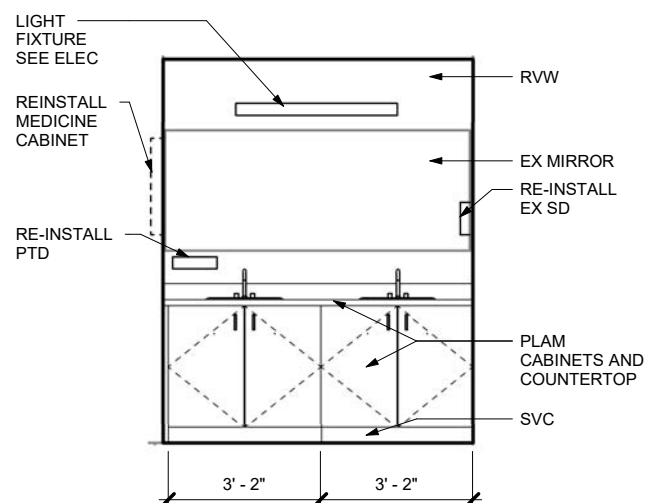
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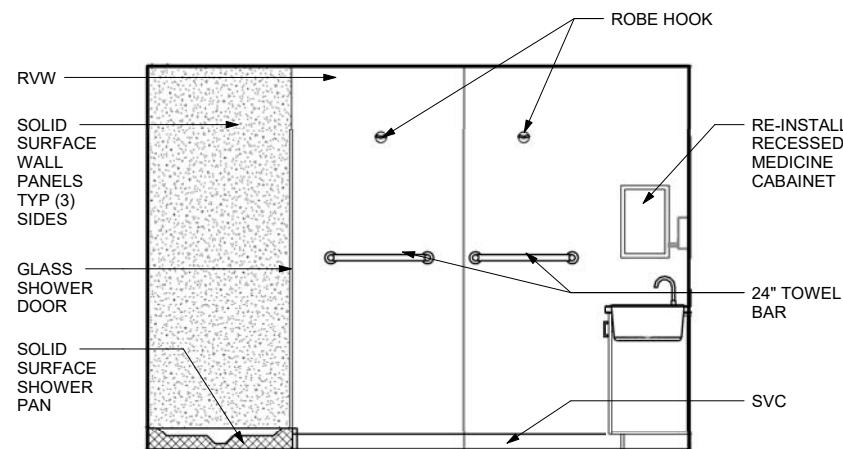
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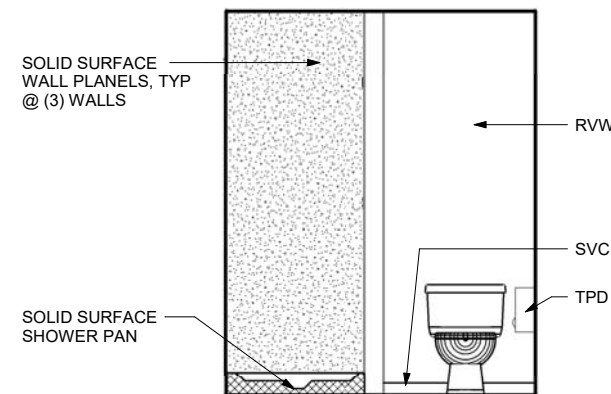
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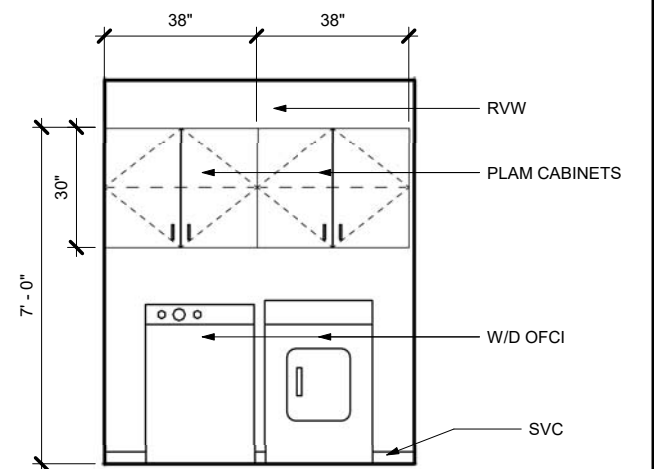
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8 BATH 207

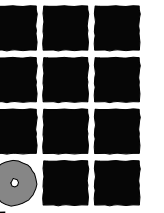


9 BATH 207



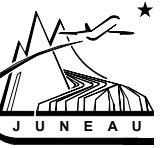
10 LAUNDRY 208

SCALE: 0 1' 2' 4'



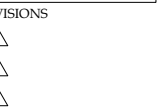
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522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
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City and Borough of Juneau
**GLACIER FIRE STATION
DORM RENOVATION**
CBJ Contract No. BE18-128
Juneau, Alaska

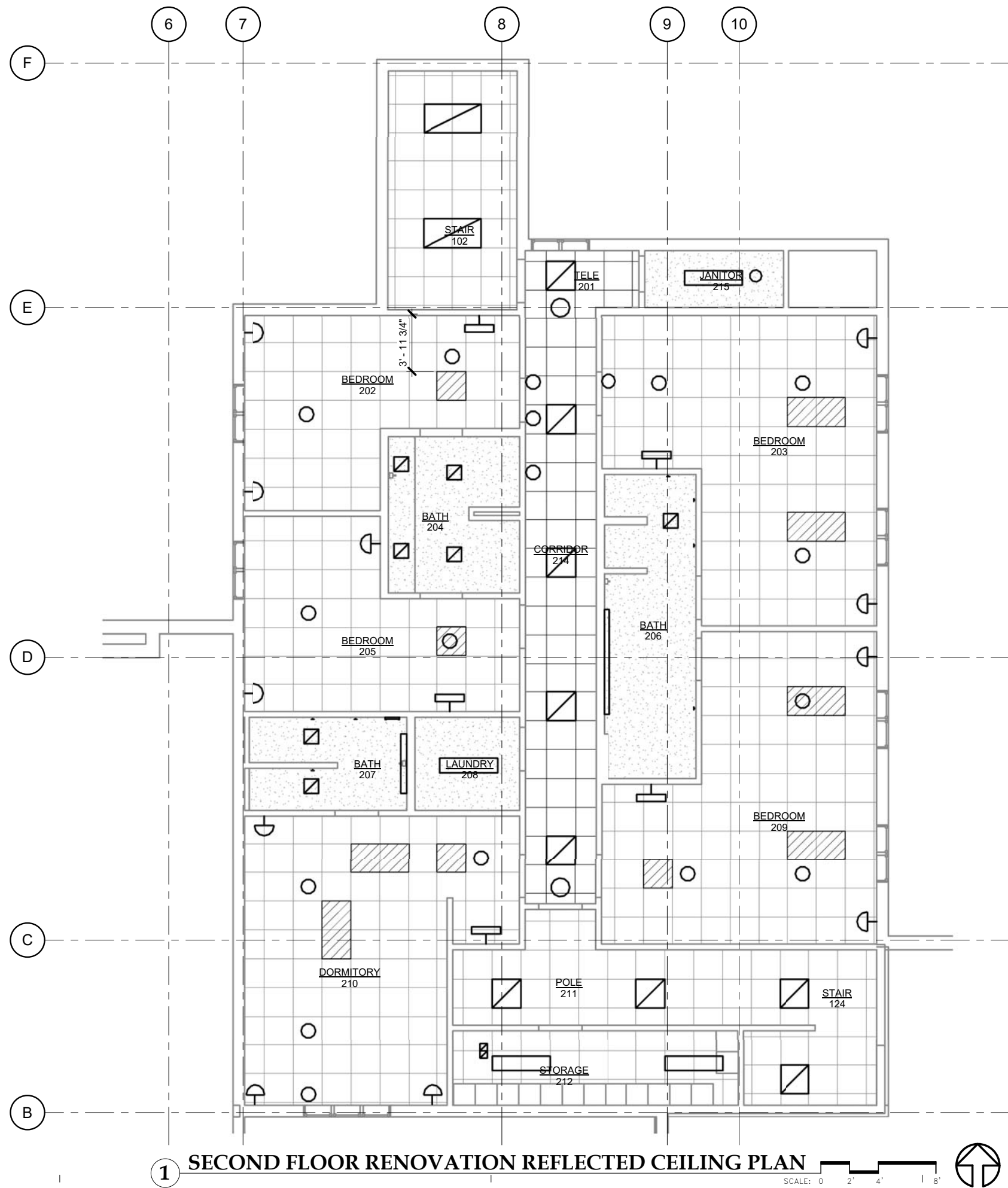
REVISIONS



SHEET TITLE
INTERIOR
ELEVATIONS

DATE: March 1, 2018
FILE: 17037

A501



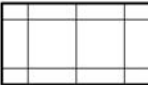
RCP KEYNOTES:

1. PATCH GWB CEILING FOR MECH/ELEC WORK.
2. CEILING HEIGHT - 8'-0" UON

RENOVATION RCP LEGEND:



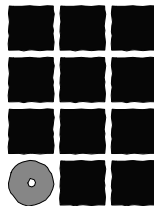
INSTALL SALVAGED ACP IN EX ACP WHERE LIGHT FIXTURE IS REMOVED. PROVIDE GRID TO MATCH EX



2x2 ACP

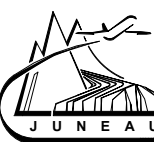
1 SECOND FLOOR RENOVATION REFLECTED CEILING PLAN

SCALE: 0 2' 4' 8'



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Juneau, Alaska 99801
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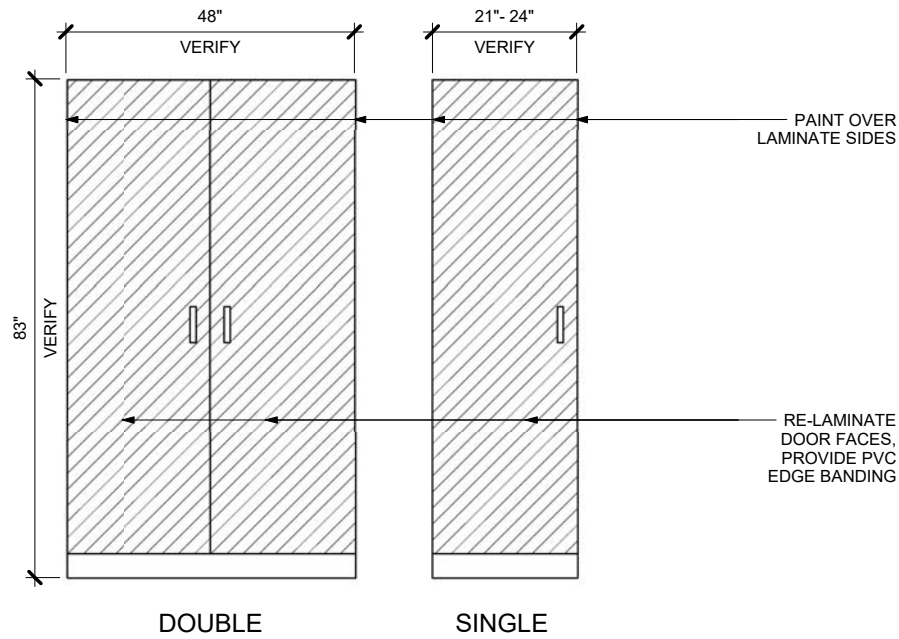
REVISIONS



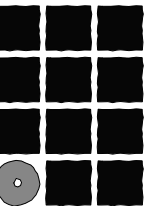
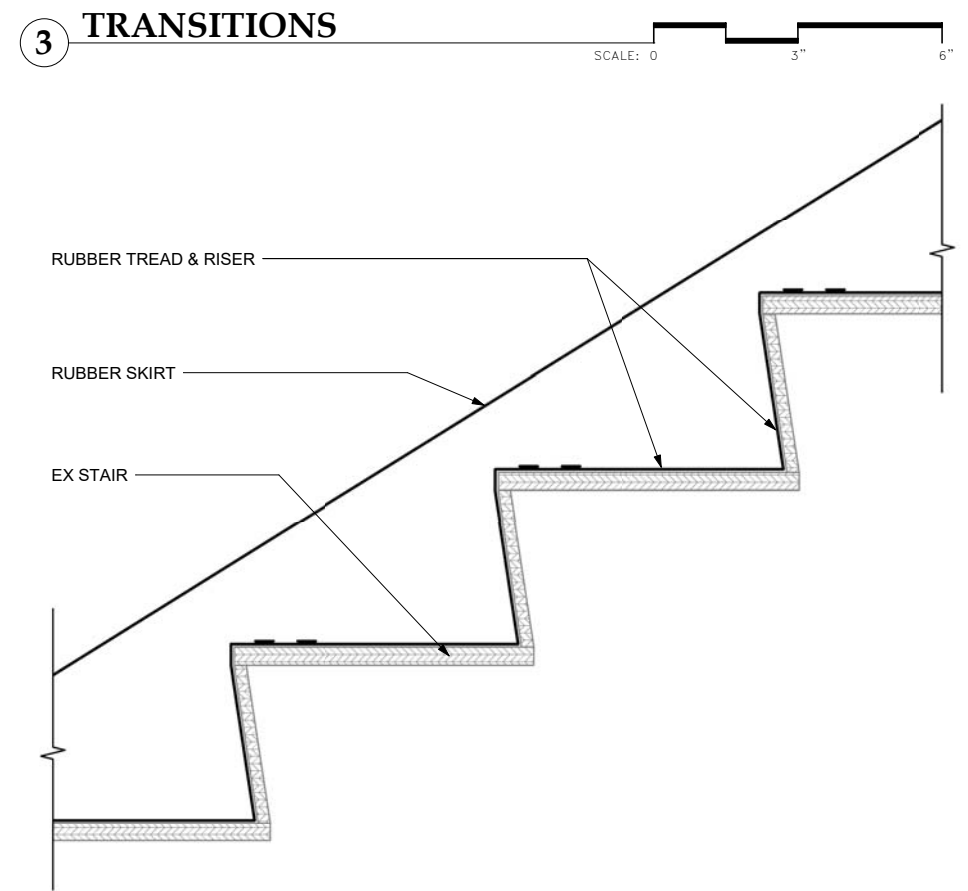
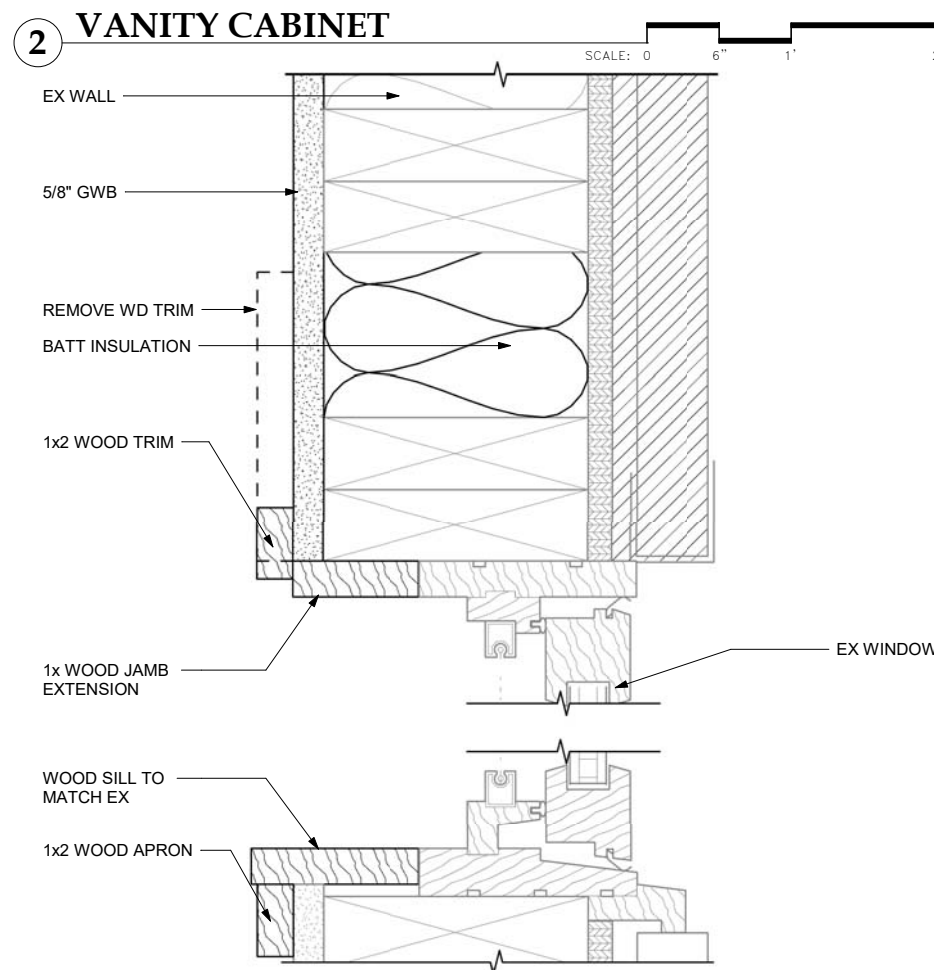
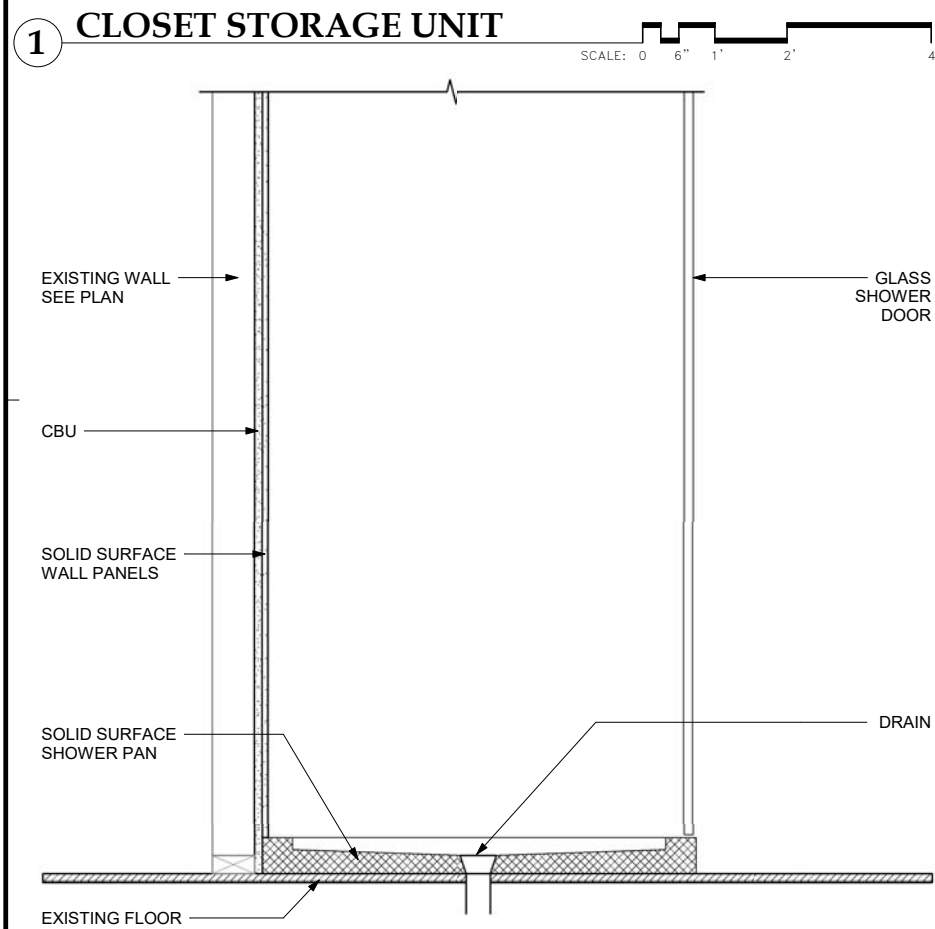
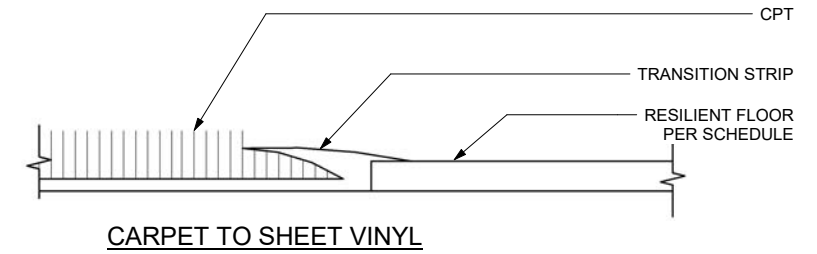
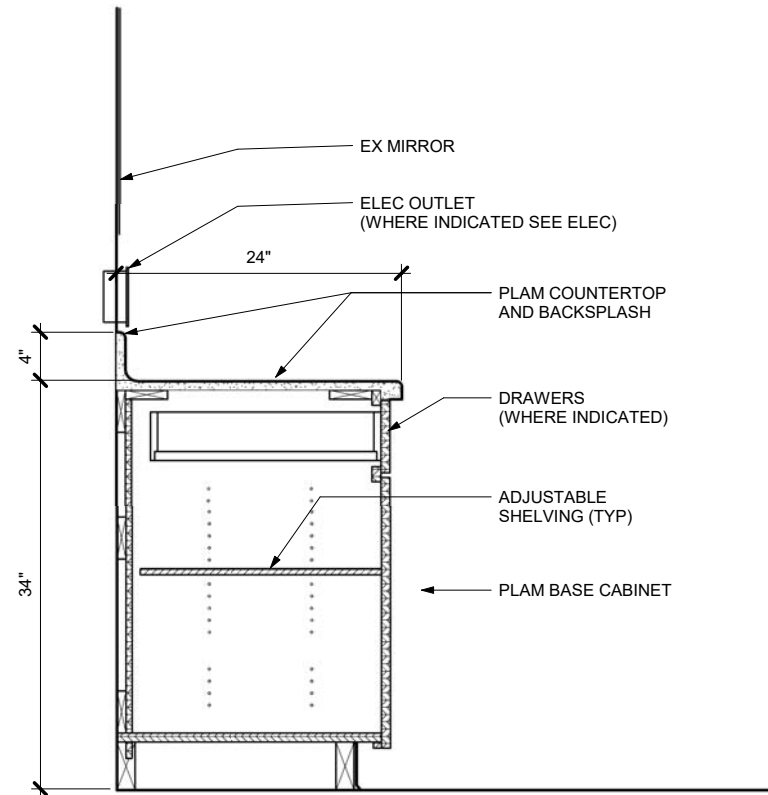
SHEET TITLE
SECOND FLOOR
RENOVATION
REFLECTED
CEILING PLAN

DATE: March 1, 2018
FILE: 17037

A601

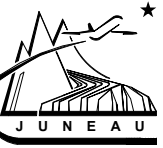


NOTE: REPACE ALL DOOR HARDWARE



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522 West 10th Street
Juneau, Alaska 99801
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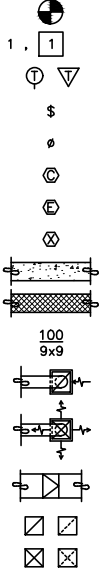
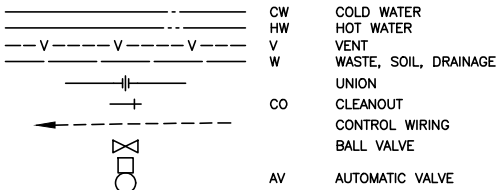
REVISIONS



SHEET TITLE
DETAILS

DATE: March 1, 2018
FILE: 17037

A901



SYMBOLS

- POINT OF CONNECTION OR REMOVAL
- CONSTRUCTION NOTE; GENERAL, SPECIFIC
- THERMOSTAT – IMMERSION, ROOM
- CONTROL SWITCH
- DIAMETER
- CONNECT TO EXISTING
- EXISTING
- TO BE REMOVED
- CONCRETE WALL
- INSULATED DUCT
- AIR VOLUME
DIFFUSER/GRILLE SIZE
- CEILING RETURN/EXHAUST GRILLE
- CEILING SUPPLY DIFFUSER
- RECTANGULAR TO ROUND
DUCT TRANSITION
- RETURN/EXHAUST DUCT UP, DOWN
- SUPPLY DUCT UP, DOWN

- AFF ABOVE FINISHED FLOOR
- AV AUTOMATIC VALVE
- BT BATHTUB
- CFM CUBIC FEET PER MINUTE
- CO CLEANOUT
- CV CONNECTOR
- DU DIELECTRIC UNION
- EA EXHAUST AIR
- EC EXHAUST CAP
- EF EXHAUST FAN
- EG EXHAUST GRILLE
- F FIXTURE
- FCO FLOOR CLEANOUT
- FD FLOOR DRAIN
- FRP FIBERGLASS REINFORCED PLASTIC
- IEW IN ELECTRICAL WORK
- L LAVATORY
- NIC NOT IN CONTRACT
- OC ON CENTER
- OSA OUTSIDE AIR
- RI ROUGH IN
- S SINK
- SD SHOWER DRAIN
- SG SUPPLY GRILLE
- SH SHOWER
- SHV SHOWER VALVE
- TEF TOILET EXHAUST FAN
- TYP TYPICAL
- VB VACUUM BREAKER
- W WASHER
- W/D WASHER/DRYER
- WB WASHER BOX
- WC WATER CLOSET
- WCO WALL CLEAN OUT

MECHANICAL SHEET LIST	
NUMBER	TITLE
M001	SYMBOLS AND SCHEDULES
M101	SECOND FLOOR MECHANICAL DEMO PLAN
M201	SECOND FLOOR MECHANICAL PLAN

GENERAL NOTES:

- SEAL ALL WALL, CEILING AND FLOOR PENETRATIONS AIR TIGHT.
- COORDINATE SELECTION AND PROVISION OF EQUIPMENT WITH ACTUAL CONSTRUCTION CONDITIONS.
- OWNER HAS FIRST RIGHT OF REFUSAL ON ALL DEMOLISHED PLUMBING FIXTURES. OTHERWISE DISPOSE OF FIXTURES PROPERLY.
- PROJECT RENOVATION TO BE COMPLETED IN SEPARATE PHASES. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.

CODE NOTES:

- CODES & REGULATIONS:** ALL WORK HEREUNDER SHALL BE STRICTLY IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL CODES, 2012 UNIFORM PLUMBING CODE, NFPA, CBJ, AND STATE OF ALASKA MODIFICATIONS. ALL ELECTRICAL EQUIPMENT SHALL BEAR THE UL LABEL. ALL SHEET METAL WORK TO BE DONE IN ACCORDANCE WITH SMACNA REQUIREMENTS. PROVIDE ALL TESTING REQUIREMENTS FOR MECHANICAL SYSTEMS AS REQUIRED AND WITNESSED BY ADMINISTRATIVE AUTHORITY.

PLUMBING EQUIPMENT SCHEDULE

EQUIPMENT	DESIGN MANUFACTURER	OPTIONS/TRIM
WATER CLOSET, WC-1	MANSFIELD QUANTUM	WALL MOUNTED, SIPHON JET VITREOUS CHINA CLOSET BOWL, WITH ELONGATED RIM, 16-1/2-INCH BOWL HEIGHT, CHINA BOLT CAPS. TANK TYPE, MANUALLY OPERATED WITH INSULATED LINER. PRESSURE ASSIST 1.28 GALLON MAX FLUSH VOLUME. SEAT: SOLID PLASTIC, ELONGATED, EXTENDED BACK, SELF-SUSTAINING HINGE, BRASS BOLTS, WITH COVER, WAX RING AND FIXTURE STOP VALVE. PROVIDE NARROW CARRIER
URINAL, U-1	AMERICAN STANDARD WASHBROOK	WALL MOUNTED WASH-OUT TYPE, VITREOUS CHINA WITH CARRIER. MANUAL 0.5 GPF FLUSH VALVE. 3/4-INCH TOP SPUD. ELONGATED RIM. REMOVEABLE STAINLESS STEEL STRAINER. CAST-IRON AND STEEL FRAME CARRIER WITH TUBULAR LEGS, LUGS FOR FLOOR AND WALL ATTACHMENT, THREADED FIXTURE STUDS.
LAVATORY, L-1	AMERICAN STANDARD AQUALYN	VITREOUS CHINA, OVAL COUNTERTOP, 20"x18". 4" FAUCET CENTERS, SELF-RIMMING. SINGLE LEVER COMBINATION SUPPLY WITH INTEGRAL LIMIT STOPS. ACCESSORIES: INTEGRAL THERMOSTATIC VALVE. CHROME PLATED 17-GAUGE BRASS P-TRAP WITH CLEAN-OUT PLUG AND ARM WITH ESCUTCHEON. OFFSET WASTE WITH PERFORATED OPEN GRID STRAINER. WHEEL HANDLE STOPS. RIGID SUPPLIES.
SHOWER, SH-1	AMERICAN STANDARD BERWICK SHOWER TRIM	SHOWER TRIM: AMERICAN STANDARD BERWICK COLLECTION, PRESSURE BALANCE SHOWER FITTING, TRIM: BERWICK T430.500; VALVE: R110 OR SIMILAR AS NEEDED; SHOWER HEAD, ARM & FLANGE: AMERICAN STANDARD 1660.651, 3-FUNCTION RAIN SHOWERHEAD 4.75-INCH DIA; FINISH: POLISHED CHROME, TYP. INTEGRAL THERMOSTATIC VALVE.
SHOWER BASE	SEE ARCHITECTURAL.	SEE ARCHITECTURAL.
SHOWER DRAIN	ZURN, 415 WITH TYPE SH STRAINER	ANSI A1121.1; GALVANIZED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, WEEP HOLES, REVERSIBLE CLAMPING COLLAR, AND STRAINER. ENTIRE STRAINER TOP SECURED TO DRAIN WITH REMOVABLE CORROSION-RESISTANT FASTENERS. 2-INCH OUTLET. ONE ADDITIONAL SD STRAINER TOP FURNISHED TO OWNER.

FAN SCHEDULE

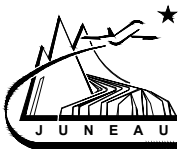
EQUIPMENT	AREA SERVED	CFM DEMAND/CONSTANT	TSP, INCHES OF WATER	DESIGN MANUFACTURE & MODEL	MIN. HP	VOLTS / PHASE	DESCRIPTION
TEF-1	BATH 206	150/40	0.25	PANASONIC FV-11-15VK1	22W	120V/1ø	TWO-SPEED LO-HI CEILING MOUNTED FAN. INTERNAL ADJUSTABLE AIR VOLUME AND TIMER. INLET GRILLE. CORROSION RESISTANT CONSTRUCTION. DESIGNED FOR CONTINUOUS OPERATION. LOW NOISE OPERATION. MULTI-SPEED / TIME DELAY ACCESSORY.
TEF-2, TEF-3	BATH 204, BATH 207	80/30	0.25	PANASONIC FV-05-11VKS 1	11W	120V/1ø	TWO-SPEED LO-HI CEILING MOUNTED FAN. INTERNAL ADJUSTABLE AIR VOLUME AND TIMER. INLET GRILLE. CORROSION RESISTANT CONSTRUCTION. DESIGNED FOR CONTINUOUS OPERATION. LOW NOISE OPERATION. MULTI-SPEED / TIME DELAY ACCESSORY.
TEF-4	LAUNDRY 208	80/30	0.25	PANASONIC FV-05-11VKS 1	11W	120V/1ø	TWO-SPEED LO-HI CEILING MOUNTED FAN. INTERNAL ADJUSTABLE AIR VOLUME AND TIMER. INLET GRILLE. CORROSION RESISTANT CONSTRUCTION. DESIGNED FOR CONTINUOUS OPERATION. LOW NOISE OPERATION. MULTI-SPEED / TIME DELAY ACCESSORY.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE	HOT WATER	COLD WATER	WASTE	VENT
WATER CLOSET, WC-1	-	3/4	4	2
LAVATORY, L-1	1/2	1/2	2	1-1/2
FLOOR DRAIN, FD	-	-	2	-
SHOWER, SH-1	1/2	1/2	2	1-1/2

NOTE: VERIFY EXISTING CONNECTION SIZES ON SITE, PROVIDE TRANSITIONS AS REQUIRED.

522 West 10th Street
Juneau, Alaska 99801
Phone 907-586-1070
Fax 907-586-3959
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DORM RENOVATION
CBJ Contract No. BE18-128
Juneau, Alaska

REVISIONS



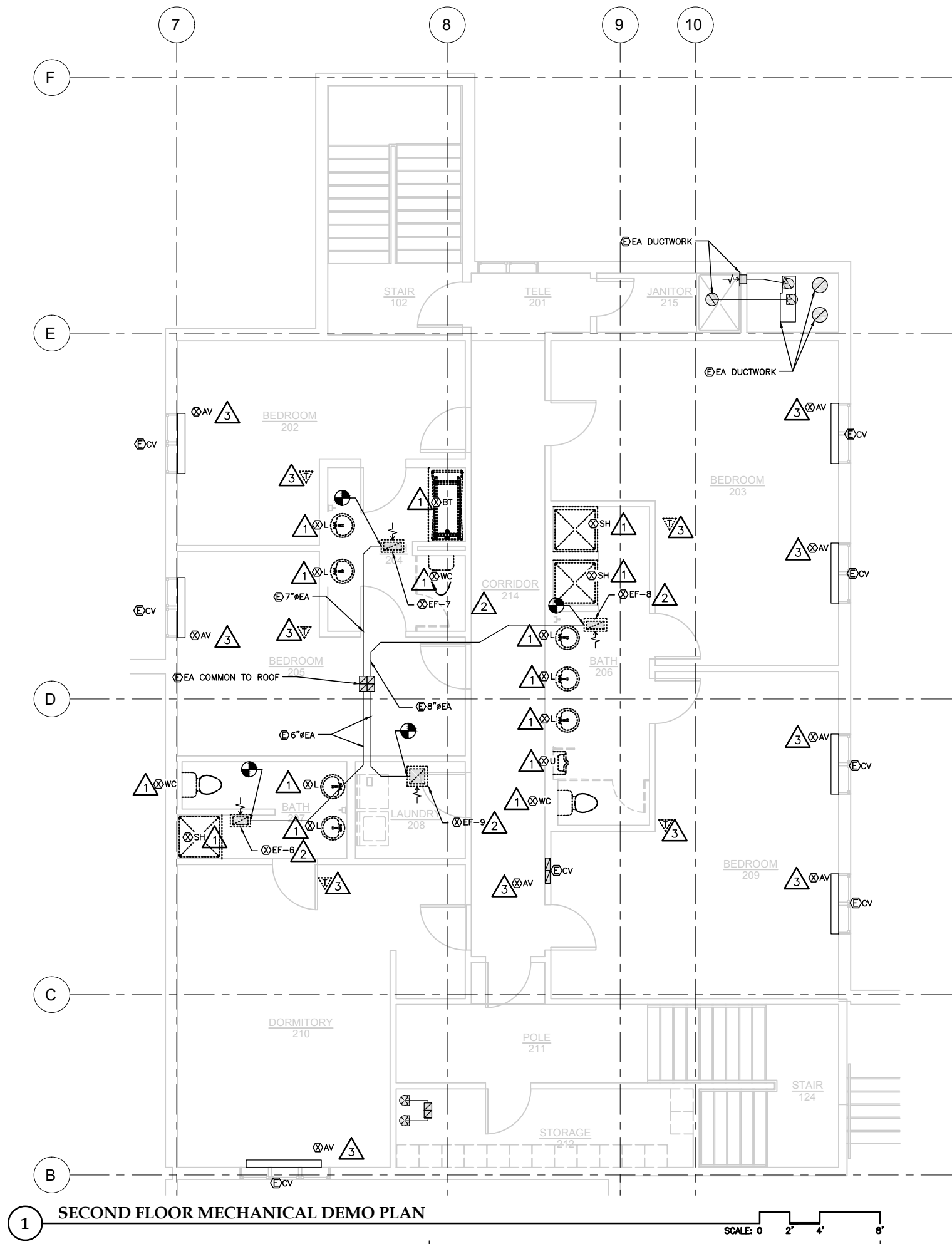
SHEET TITLE
SYMBOLS AND
SCHEDULES

DATE: FEBRUARY 23, 2018
FILE: 17037

M001

PLAN • DESIGN • CONSTRUCT

907 Capitol Ave., Juneau, Alaska 99801
907.780.6151 | AECC605



1 SECOND FLOOR MECHANICAL DEMO PLAN

SCALE: 0 2' 4' 8'

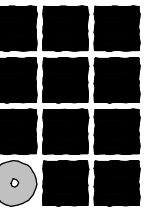
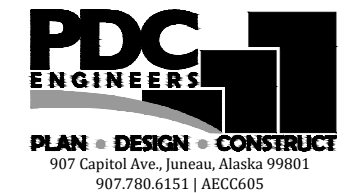


DEMOLITION NOTES:

- 1. REMOVE WATER CLOSET, SHOWER FIXTURE AND BASE, LAVATORY, LAVATORY WALL CARRIER. PREPARE ROUGH-IN FOR NEW FIXTURE. DEMOLISH HORIZONTAL WASTE DRAINAGE PIPING AND ALL FITTINGS BACK TO VERTICAL RISERS INCLUDING VERTICAL TEE.
- 2. REMOVE TEF. REMOVE FAN CONTROLS IEW.
- 3. REMOVE THERMOSTATIC RADIATOR VALVES. REMOVE PNEUMATIC THERMOSTAT. SEAL SUPPLY TUBE.

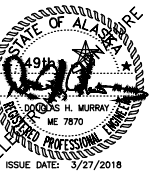
SHEET NOTES:

- 1. DEMOLITION WORK IS TO BE COMPLETED IN PHASES. SEE ARCHITECTURAL.



**Jensen
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522 West 10th Street
Juneau, Alaska 99801
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City and Borough of Juneau GLACIER FIRE STATION DORM RENOVATION CBJ Contract No. BE18-128 Juneau, Alaska

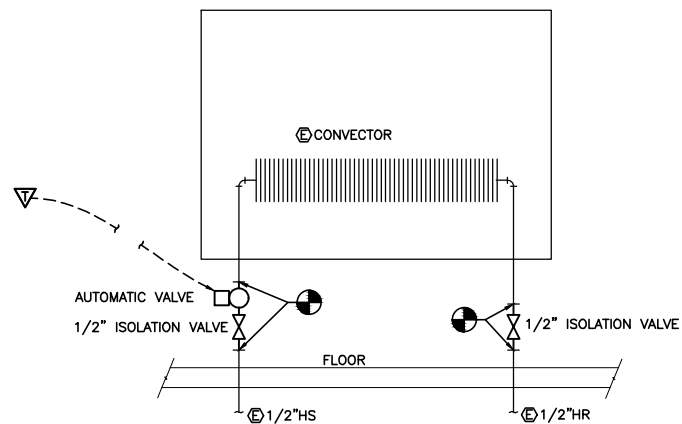
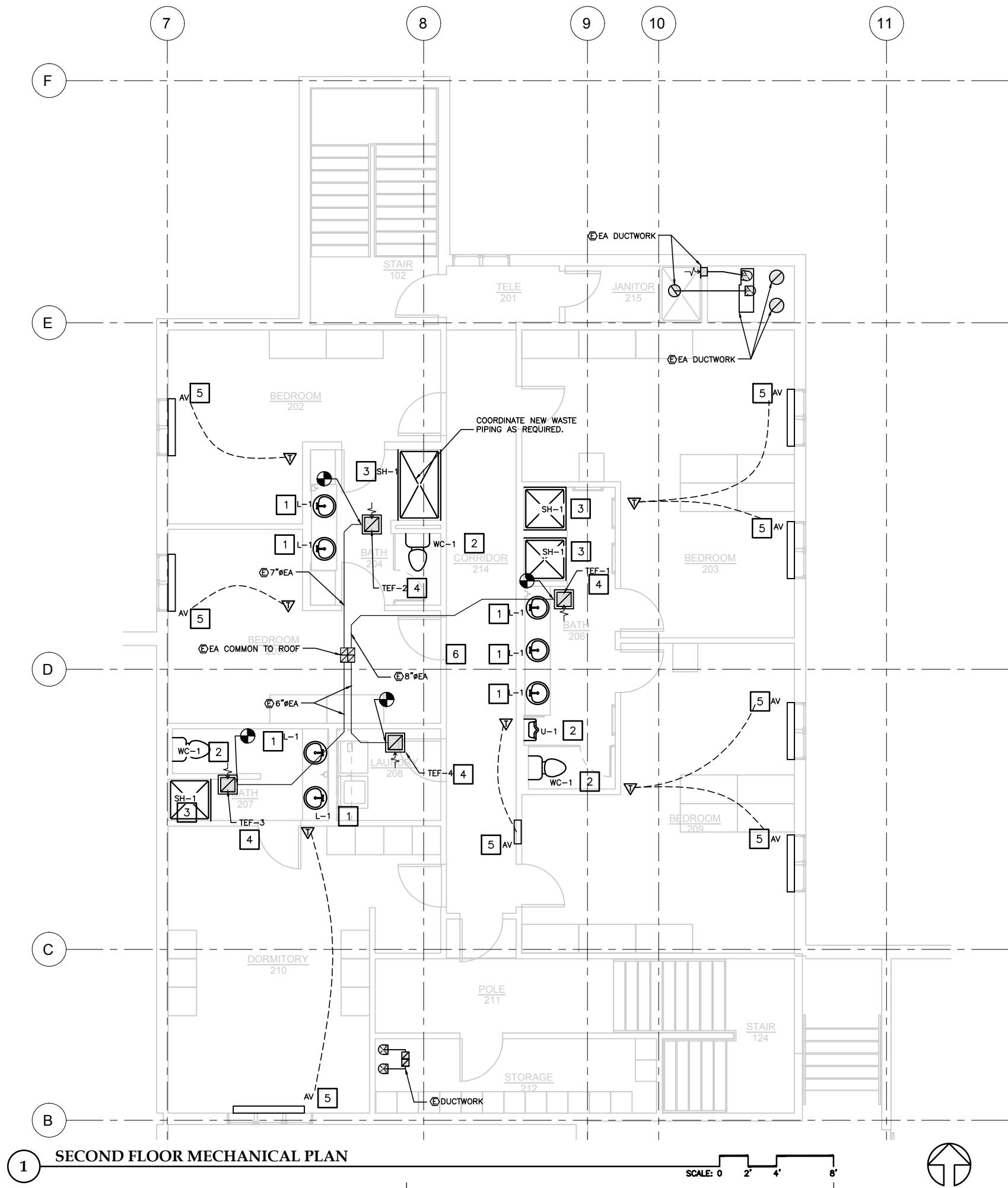
REVISIONS



SHEET TITLE
SECOND FLOOR
MECHANICAL DEMO
PLAN

DATE: FEBRUARY 23, 2018
FILE: 17037

M101



2 CONVECTOR PLUMBING DETAIL
 NO SCALE
 NOTE: DETAIL IS TYPICAL, INDIVIDUAL CONVECTORS MAY VARY.

- CONSTRUCTION NOTES:**
- 1** INSTALL NEW LAVATORY. REPLACE HORIZONTAL WASTE BRANCH AND FITTINGS TO VERTICAL MAIN. CONNECT TO EXISTING HW/CW ROUGH-IN. CONNECT TO VERTICAL WASTE AND VENT MAINS WITH A NEW FITTING.
 - 2** INSTALL NEW WATER CLOSET/URINAL, SEAL, TRIM AND CARRIER. CONNECT TO EXISTING ROUGH-IN. PROVIDE NEW FIXTURE STOP VALVE. INSTALL NEW HORIZONTAL BRANCH PIPING.
 - 3** INSTALL NEW PIPING, SHOWER HEAD, SHOWER DRAIN, CONTROLS AND MIXING VALVE. CONNECT TO EXISTING ROUGH-IN. MODIFY/EXTEND WASTE PIPING IN CEILING BELOW AS REQUIRED FOR NEW DRAIN LOCATION. INSTALL VENTED TRAP. CONNECT TO EXISTING VENT PIPING. INSTALL SHOWER HEAD WITH SUPPLY LINE WALL PENETRATION 6'-6" AFF.
 - 4** INSTALL NEW EXHAUST FAN, AND CONTROLS. MODIFY ABOVE CEILING DUCTWORK AND REUSE EXISTING PENETRATION WHERE POSSIBLE. CONNECT TO TWO-SPEED SWITCH. CLEAN EXISTING EXHAUST DUCTWORK AND WALL/ROOF CAP TO EXTERIOR PENETRATION. SEAL DUCTWORK CONNECTION AIRTIGHT. TWO SPEED SWITCH IEW.
 - 5** INSTALL ELECTRIC AUTOMATIC VALVE. CONNECT WITH WALL THERMOSTAT IN ROOM. SEE DETAIL 2, M201.
 - 6** LOCATION OF THERMOSTAT POWER SUPPLIES IN CEILING ABOVE.

- SHEET NOTES:**
- 1. CONSTRUCTION WORK IS TO BE COMPLETED IN PHASES. SEE ARCHITECTURAL.

Jensen Yorba Lott Inc.

522 West 10th Street
 Juneau, Alaska 99801
 Phone 907-586-1070
 Fax 907-586-3959
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ISSUE DATE: 3/27/2018

City and Borough of Juneau
**GLACIER FIRE STATION
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 Juneau, Alaska

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SHEET TITLE
 SECOND FLOOR
 MECHANICAL PLAN

DATE: FEBRUARY 23, 2018
 FILE: 17037

M201

PDC ENGINEERS

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GENERAL NOTES:

1. REFER TO THE ARCHITECTURAL SPECIFICATIONS FOR BASE BID AND ALTERNATE DESCRIPTIONS.
2. REFER TO DRAWING A401 FOR PHASES.

LEGEND AND ABBREVIATIONS

	BRANCH CIRCUIT PANELBOARD		DOUBLE DUPLEX RECEPTACLE, 18" AFF	A	AMPERES
	TRANSFORMER		HALF SHADING OF ANY DEVICE DENOTES ABOVE COUNTER MOUNT	AC	ALTERNATING CURRENT
	SERVICE OR DISTRIBUTION EQUIPMENT		FLUSH FLOOR DEVICE, DEVICE TYPE PER SYMBOLS' LEGEND	AF	AMPERE (RATED) FUSE
	MOTOR CONNECTION		SURFACE RACEWAY WITH DEVICES AS INDICATED. LENGTH AS INDICATED ON DRAWINGS.	AFF	ABOVE FINISHED FLOOR
	DISCONNECT SWITCH		DATA OUTLET, NUMBER INDICATES QUANTITY OF JACKS, 18" AFF	AFG	ABOVE FINISHED GRADE
	FUSED DISCONNECT SWITCH		TELEPHONE OUTLET	AL	ALUMINUM
	COMBINATION DISCONNECT WITH MAGNETIC MOTOR STARTER OR CONTACTOR		SPEAKER	AS	AMPERE (RATED) SWITCH
	MAGNETIC MOTOR STARTER OR CONTACTOR		NORMALLY OPEN CONTACTS	ATS	AUTOMATIC TRANSFER SWITCH
	FIRE ALARM BELL		NORMALLY CLOSED CONTACTS	AUX	AUXILIARY
	MANUAL PULL STATION		CIRCUIT BREAKER	AWG	AMERICAN WIRE GAUGE
	SMOKE DETECTOR		TRANSFORMER	C	CONDUIT
	DUCT SMOKE SENSOR		CURRENT TRANSFORMER	CB	CIRCUIT BREAKER
	HEAT DETECTOR		CONNECTION TO GROUND	CLG	CEILING
	FIRE ALARM CONTROL PANEL		SINGLE POLE SWITCH, SUBSCRIPT DENOTES SIMILARLY MARKED LUMINAIRES CONTROLLED TOGETHER, 42" AFF	CO	CONDUIT ONLY
	COMBINATION HORN/STROBE UNIT		LINE VOLTAGE, VARIABLE SPEED FAN CONTROL SWITCH	CT	CURRENT TRANSFORMER
	STROBE ONLY UNIT		DIMMER SWITCH, 42" AFF	CU	COPPER
	ADDRESSABLE MODULE		OCCUPANCY SENSOR, (W) INDICATES WALL MOUNT	DC	DIRECT CURRENT
	JUNCTION BOX		VACANCY SENSOR, (W) INDICATES WALL MOUNT	DIA	DIAMETER
	HANDHOLE		POWER PACK	DPDT	DOUBLE POLE DOUBLE THROW
	CONDUIT CONCEALED IN CEILING OR WALL		SHEET NOTE REFERENCE	DPST	DOUBLE POLE SINGLE THROW
	CONDUIT CONCEALED IN FLOOR OR UNDER SLAB		DETAIL REFERENCE	DWG	DRAWING
	HOT CONDUCTOR		EXISTING	EMT	ELECTRICAL METALLIC TUBING
	NEUTRAL CONDUCTOR		REMOVE	EPO	EMERGENCY-POWER-OFF
	GROUND CONDUCTOR		RELOCATE	FACP	FIRE ALARM CONTROL PANEL
	HOMERUN TO INDICATED DESTINATION		REPLACE	FLA	FULL LOAD AMPERES
	FLEXIBLE CONDUIT CONNECTION		EXISTING, REINSTALLED	FLEX	FLEXIBLE
	SURFACE LUMINAIRE			FSD	COMBINATION FIRE SMOKE DAMPER
	RECESSED LUMINAIRE			GFI	GROUND FAULT CIRCUIT INTERRUPTER
	SUSPENDED LUMINAIRE, SIZE AND SHAPE VARIES.			GND	GROUND
	EXIT SIGN, SHADED QUADRANT INDICATES FACES, ARROWS AS SHOWN.			GRC	GALVANIZED RIGID CONDUIT
	SPECIAL PURPOSE RECEPTACLE, 18" AFF			HP	HORSEPOWER
	SIMPLEX RECEPTACLE, 18" AFF			HZ	HERTZ
	DUPLEX RECEPTACLE, 18" AFF			IG	ISOLATED GROUND
	THERMOSTAT, 42" AFF			IMC	INTERMEDIATE METAL CONDUIT
	PUSHBUTTON STATION			KCM	THOUSAND CIRCULAR MILS
				KW	KILOWATTS
				KVA	KILOVOLT-AMPERES
				LTG	LIGHTING
				LCP	LIGHTING CONTROL PANEL
				MAX	MAXIMUM
				MCA	MINIMUM CIRCUIT AMPERES
				MIN	MINIMUM
				MLO	MAIN LUGS ONLY
				MTD	MOUNTED
				N	NEUTRAL (GROUNDED CONDUCTOR)
				NC	NORMALLY CLOSED
				NEC	NATIONAL ELECTRICAL CODE
				NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
				NL	NIGHT LIGHT
				NO	NORMALLY OPEN
				NTS	NOT TO SCALE
				OC	ON CENTER
				OD	OUTSIDE DIAMETER
				OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
				OFOI	OWNER FURNISHED, OWNER INSTALLED
				PH	PHASE
				PNL	PANELBOARD
				RNC	RIGID NON-METALLIC CONDUIT
				SPDT	SINGLE POLE DOUBLE THROW
				SPST	SINGLE POLE SINGLE THROW
				SWBD	SWITCHBOARD
				TYP	TYPICAL
				UL	UNDERWRITERS LAB
				UON	UNLESS OTHERWISE NOTED
				UPS	UNINTERRUPTIBLE POWER SUPPLY
				V	VOLTS
				VA	VOLT-AMPERES
				VFD	VARIABLE FREQUENCY DRIVE
				W	WATT
				WAP	WIRELESS ACCESS POINT
				WP	WEATHERPROOF
				XFMR	TRANSFORMER

NOTE: DEVICE HEIGHTS TO CENTER OF BOX

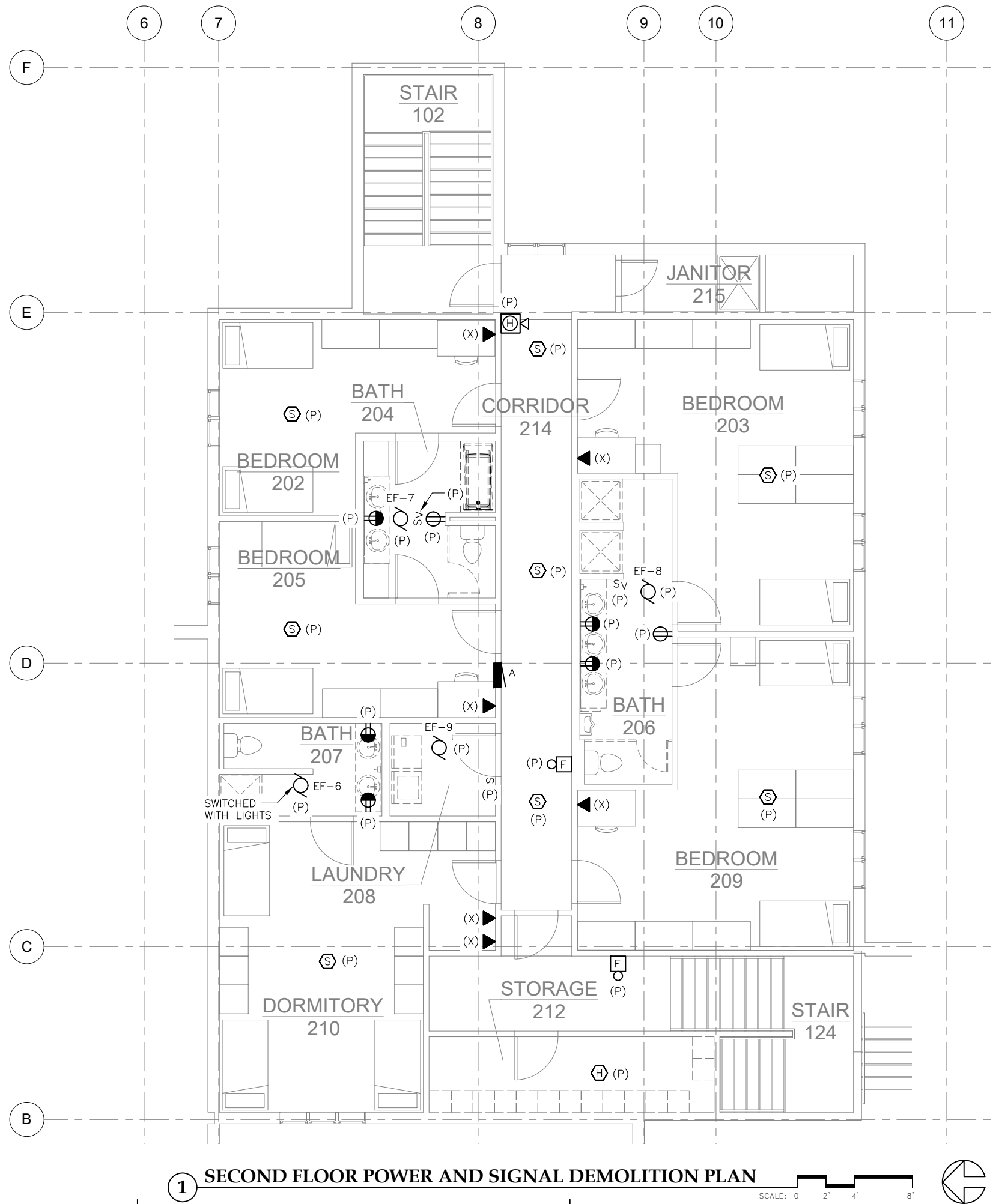
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SHEET TITLE
LEGEND AND ABBREVIATIONS

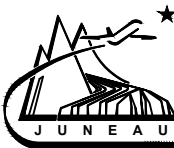
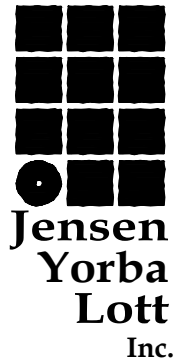
DATE: November 30, 2017
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E001



NOTES:

1. RELOCATE VANITY RECEPTACLES TO COORDINATE WITH THE HEIGHT OF THE NEW CASEWORK. REFER TO DRAWING E201 FOR ADDITIONAL INFORMATION.
2. SALVAGE FIRE ALARM CONDUIT AND WIRING.



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CBJ Project No. BE 18-128
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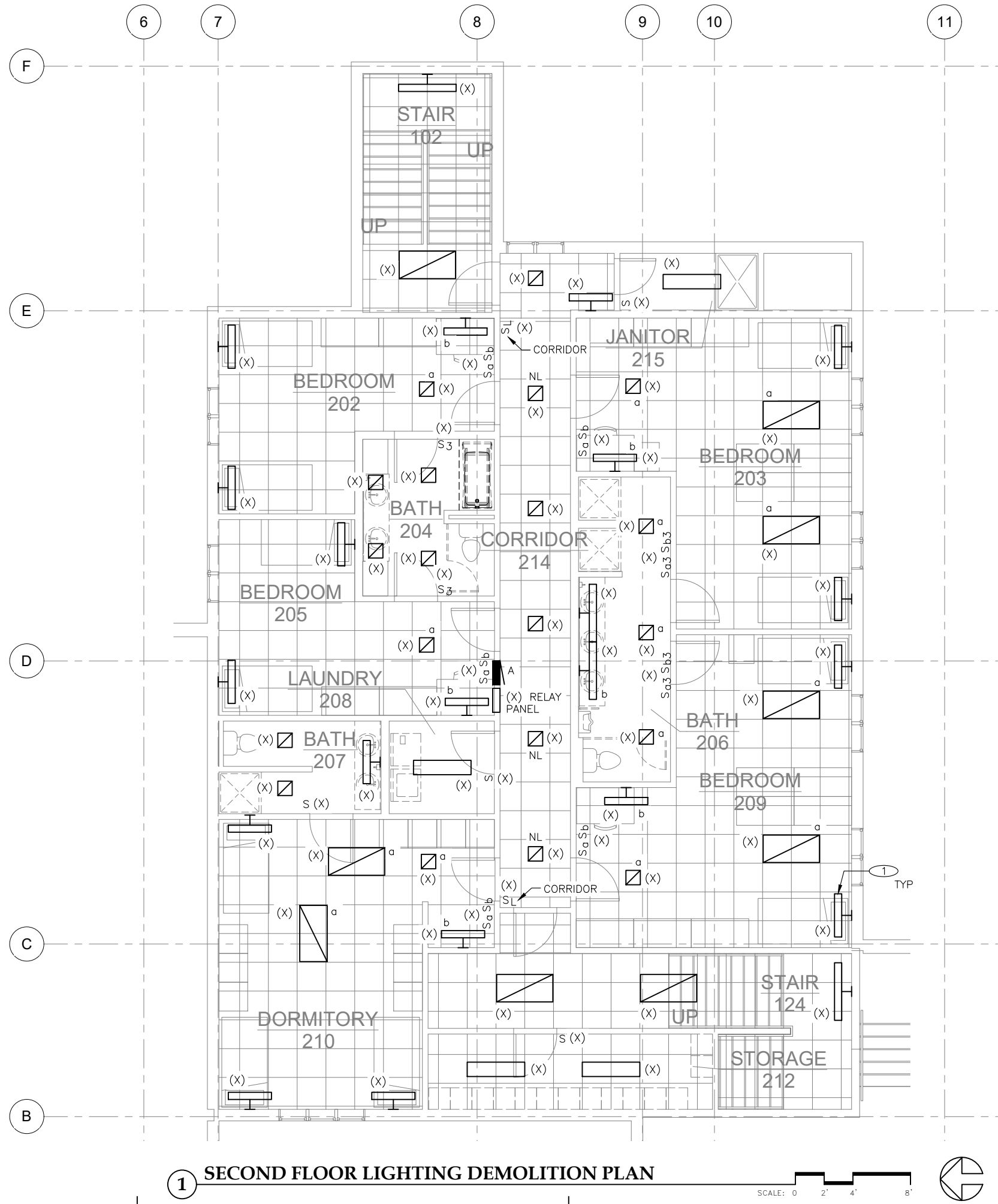
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**SECOND FLOOR
POWER AND SIGNAL
DEMOLITION PLAN**

DATE: November 30, 2017
FILE: 17034

E101



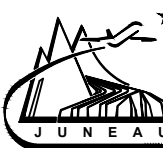
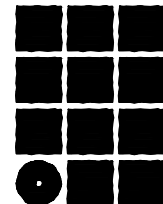
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1 SECOND FLOOR LIGHTING DEMOLITION PLAN

NOTES:

- 1 REMOVE LIGHT FIXTURE MOUNTED TO SHELF OVER BED. INSTALL JUNCTION BOX AND TAMPER RESISTANT DUPLEX RECEPTACLE IN SHELF FOR NEW TYPE H READING LIGHT. TYPICAL ALL BED LOCATIONS. COORDINATE REMOVAL OF SHELF AND CUTTING WITH THE GENERAL CONTRACTOR. REFER TO DRAWING E301.
2. DEMOLISH LOW VOLTAGE LIGHT SWITCHES AT FIRST FLOOR LANDING OF STAIR 102 AND STAIR 124.



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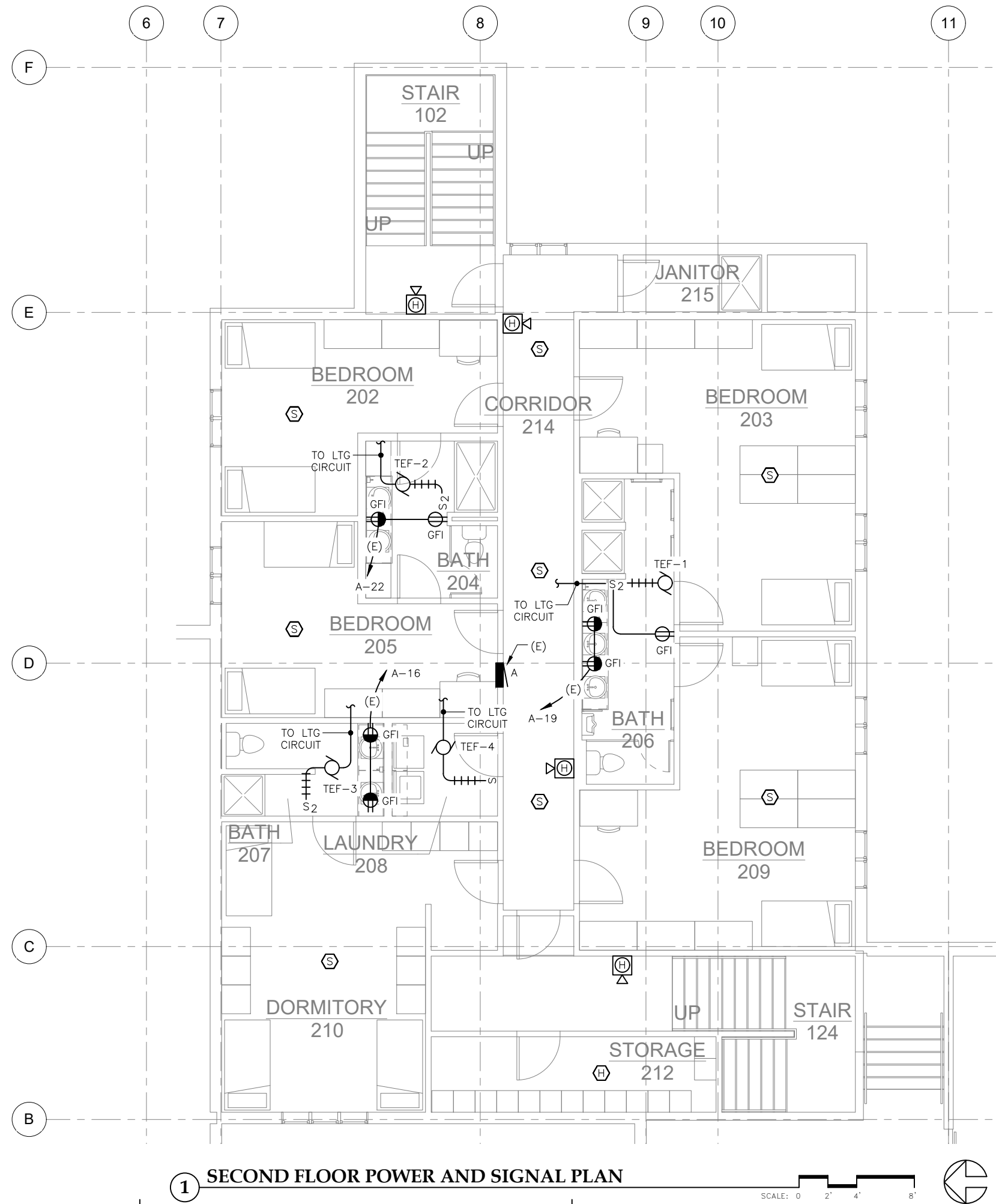
SHEET TITLE
**SECOND FLOOR
LIGHTING
DEMOLITION PLAN**

DATE: November 30, 2017
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E102

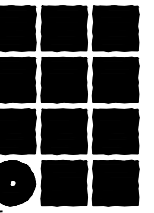


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NOTES:

1. CENTER VANITY RECEPTACLES BETWEEN THE TOP OF THE BACKSPLASH AND THE BOTTOM OF THE MIRROR, APPROXIMATELY 3'-4" AFF. ORIENT RECEPTACLES HORIZONTALLY. COORDINATE EXACT LOCATION WITH THE CASEWORK SHOP DRAWINGS.
2. THE EXISTING HOMERUNS INDICATED ARE DOCUMENTED FROM THE AS-BUILT DRAWINGS OF THE ORIGINAL CONSTRUCTION. VERIFY EXISTING CONDITIONS. EXISTING RACEWAYS MAY BE REUSED IN WALLS.
3. FIRE ALARM CIRCUITS SHALL CONNECT TO THE EXISTING FIRE ALARM CONTROL PANEL LOCATED IN THE FIRST FLOOR MECHANICAL ROOM. EXISTING CONDUIT AND WIRING MAY BE REUSED. COORDINATE WORK WITH THE MANUFACTURERS REPRESENTATIVE FOR A COMPLETE AND OPERABLE SYSTEM.
4. THE TOILET EXHAUST FANS (TEF-1, 2, AND 3) HAVE ON-OFF CONTROL WITH A HI-LOW MODULE. TWO SINGLE-POLE SWITCHES ARE REQUIRED. PROVIDE BROAN 2-FUNCTION CONTROL SWITCH, MODEL 68V, OR SIMILAR. COORDINATE WITH MECHANICAL CONTRACTOR.
5. PROVIDE 120 VOLT CIRCUIT FOR MECHANICAL CONTROL TRANSFORMERS LOCATED ABOVE CEILING AT APPROXIMATELY GRIDS D-8. SOURCE POWER FROM EXISTING PANELBOARD A.
6. PROVIDE NEW CIRCUIT BREAKERS FOR RECEPTACLE CIRCUITS.



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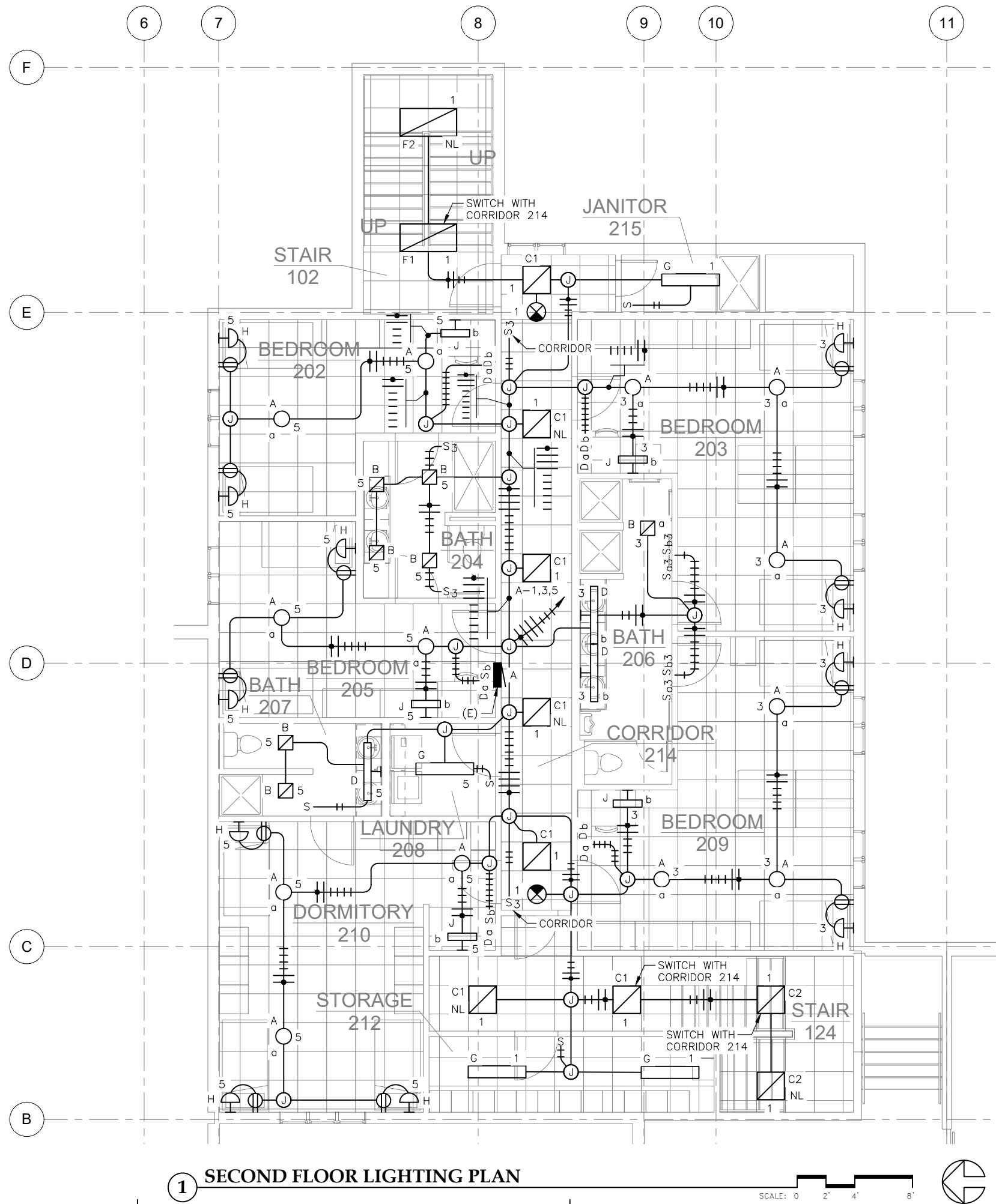
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POWER AND
SIGNAL PLAN**

DATE: November 30, 2017
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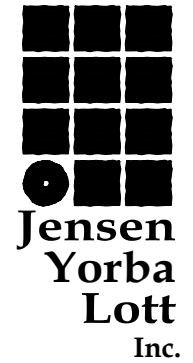
E201



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- NOTES:
1. PROVIDE NEW 20/1 CIRCUIT BREAKERS FOR LIGHTING CIRCUITS A-1,3,5. EXISTING PANELBOARD WAS MANUFACTURED BY SQUARE D.
 2. MOUNT TYPE H LIGHT FIXTURE TO SHELF ABOVE BED.
 3. MOUNT TYPE J LIGHT FIXTURE TO SHELF ABOVE DESK.



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SHEET TITLE
**SECOND FLOOR
LIGHTING PLAN**

DATE: November 30, 2017
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E301



1 SECOND FLOOR LIGHTING PLAN

SCALE: 0 2' 4' 8'





DISCUSSION

SCHEDULES

TE: November 30, 2017
E: 17034

E401



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