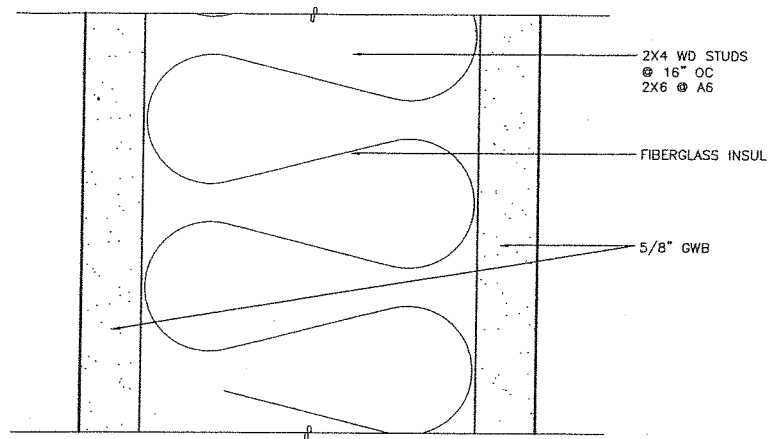
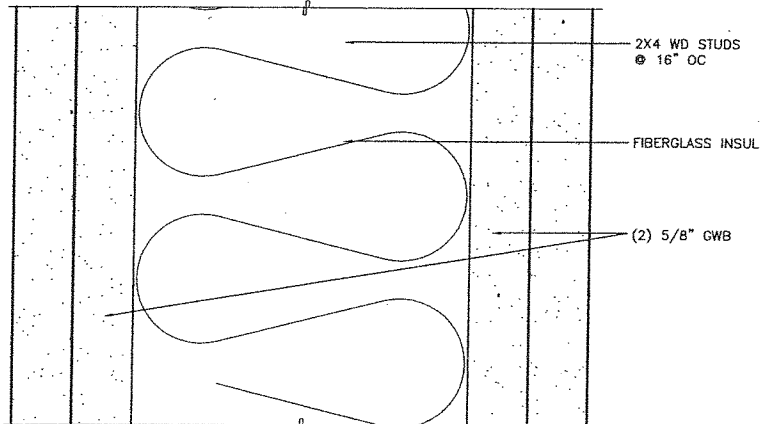


G:\Projects\0211\Cad\CD\Arch\A002.dwg, 04/01/03 10:58:04 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

PARTITION SCHEDULE

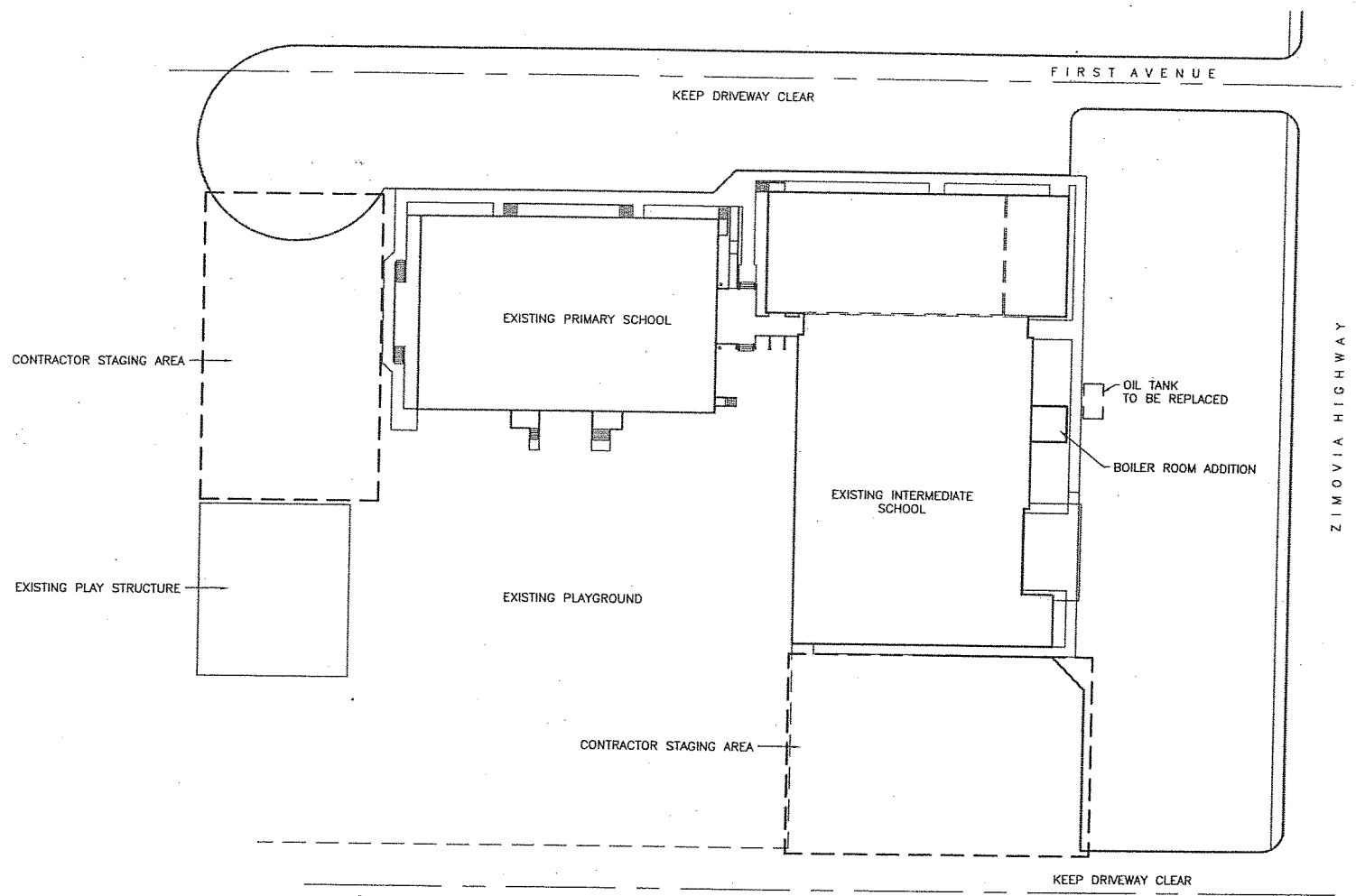


A A6 A8 TYP PARTITION



B SOUND RATED PARTITION

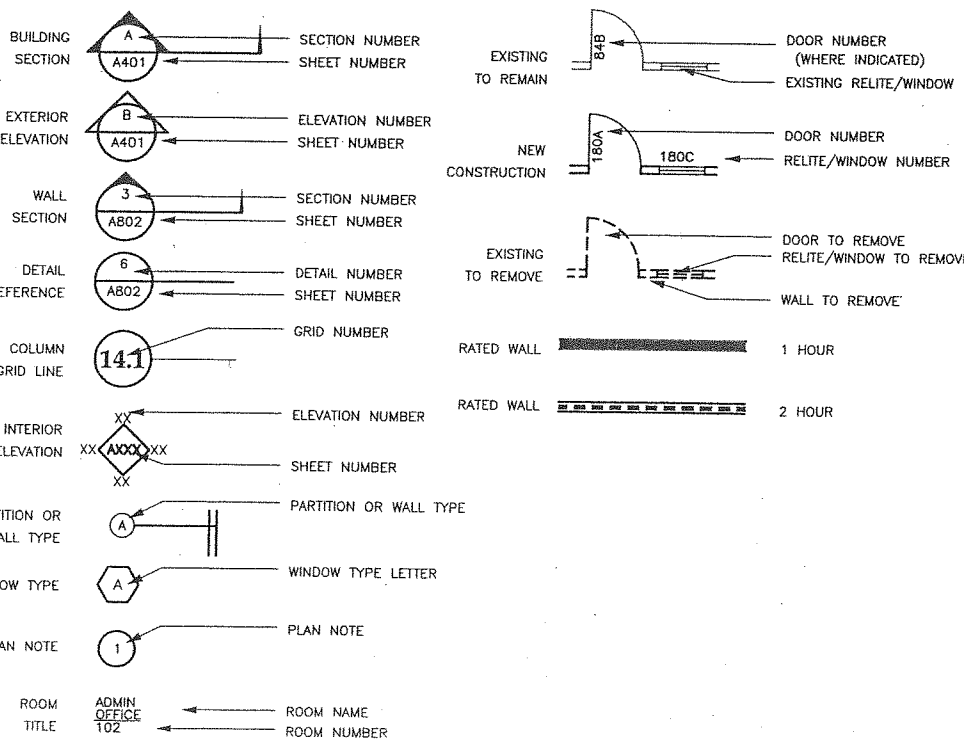
SITE PLAN



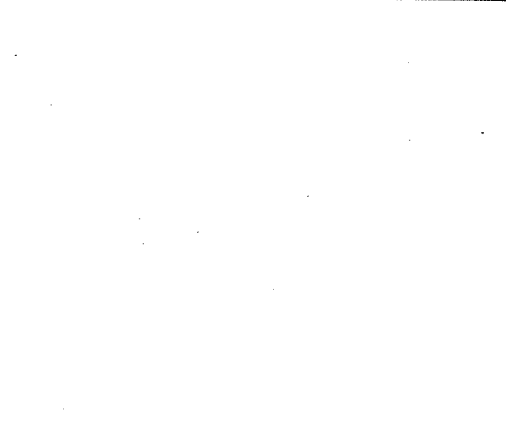
ABBREVIATIONS

AND	ANGLE	AT	CENTERLINE	DIAMETER	NUMBER	ACOUS	ACOUSTICAL	AC	ASPHALT CONCRETE	ACM	ASBESTOS CONTAINING MATERIAL	ADJ	ADJUSTABLE	AFT	ABOVE FINISH FLOOR	AB	AIR INFILTRATION BARRIER	AL	ALUMINUM	AP	ACOUSTICAL PANEL	APPROX	APPROXIMATE	ARCH	ARCHITECTURAL	ASB	ASBESTOS	AST	ABOVE GROUND STORAGE TANK	BD	BOARD	BITUM	BITUMINOUS	BLDG	BUILDING	BLK	BLOCK	BLKG	BLOCKING	BM	BEAM	BOT	BOTTOM	CAB	CABINET	CB	CATCH BASIN	CEM	CEMENT	CER	CERAMIC	CG	CORNER GUARD	CHAN	CHANNEL	CI	CAST IRON	CLG	CEILING	CLKG	CAULKING	CLD	CLOSET	CLR	CLEAR	CNTR	COUNTER	COL	COLUMN	CONC	CONCRETE	CONN	CONNECTION	CONT	CONTINUOUS	CORR	CORRIDOR	CPT	CARPET	CT	CERAMIC TILE	CTR	CENTER	CTSK	COUNTERSUNK	DBL	DOUBLE DEPARTMENT	DF	DRINKING FOUNTAIN	DET	DETAIL	DIA	DIAMETER	DM	DIMENSION	DISP	DISPENSER	DN	DOWN	DR	DOOR	DS	DOWNSPOUT	DWG	DRAWING	DWR	DRAWER	E	EAST	EA	EACH	EFS	EXTERIOR INSULATION & FINISH SYSTEM	EJ	EXPANSION JOINT	EL	ELEVATION	ELEC	ELECTRICAL	ELEV	ELEVATOR	EMER	EMERGENCY	EM	ENTRY MAT	ENCL	ENCLOSURE	EP	ELECTRICAL PANELBOARD	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	EQ	EQUAL	EOP	EQUIPMENT	EX	EXISTING	EXP	EXPOSED	EXP	EXPANSION	EXT	EXTERIOR	FA	FIRE ALARM	FB	FLAT BAR	FD	FLOOR DRAIN	FDN	FOUNDATION	FEC	FIRE EXTINGUISHER CAB	FF	FINISH FLOOR	FHC	FIRE HOSE CABINET	FN	FINISH	FLASH	FLASHING	FLR	FLOOR	FLUOR	FLUORESCENT	FOC	FACE OF CONCRETE	FOF	FACE OF FINISH	FOS	FACE OF STUDS	FRP	FIBERGLASS REINFORCED POLYESTER	FPRF	FIREPROOF	F/R	FIRE RETARDANT	FSR	FLEXIBLE SHEET ROOFING	FT	FOOT OR FEET	FTG	FOOTING	FURR	FURRING	FUT	FUTURE	GA	GAUGE	GALV	GALVANIZED	GB	GRAB BAR	GL	GLASS	GR	GRADE	GW	GYPSSUM WALL BOARD	GYP	GYPSSUM	H	HIGH	HB	HOSE BIBB	HC	HOLLOW CORE	HDWD	HARDWOOD	HDWR	HARDWARE	HM	HOLLOW METAL	HORIZ	HORIZONTAL	HR	HOUR	HT	HEIGHT	HW	HOT WATER	ID	INSIDE DIAMETER	INSUL	INSULATION	INT	INTERIOR	JAN	JANITOR	JT	JOINT	LAB	LABORATORY	LAM	LAMINATE	LAV	LAVATORY	LB	POUND	LKR	LOCKER	LT	LIGHT	M	MIRROR	MAX	MAXIMUM	MC	MEDICINE CABINET	MDD	MEDIUM DENSITY OVERLAD	MECH	MECHANICAL	MEMB	MEMBRANE	MFR	MANUFACTURER	MH	MANHOLE	MIN	MINIMUM	MISC	MISCELLANEOUS	MO	MASONRY OPENING	MTD	MOUNTED	MTL	METAL	MUL	MULLION	N	NORTH	NIC	NOT IN CONTRACT	NO OR #	NUMBER	NOM	NOMINAL	NTS	HOT TO SCALE	O/	OVER	OA	OVERALL	OC	ON CENTER	OD	OUTSIDE DIAMETER	OFD	OVERFLOW DRAIN	OFF	OFFICE	OPNG	OPENING	OPP	OPPOSITE	OSB	ORIENTED STRAND BOARD	PL	PLATE	PLAM	PLASTIC LAMINATE	PLAS	PLASTER	PC	PRE-CAST	PF	PRE-FINISHED	PR	PAIR	PT	PAINT	PTD	PAPER TOWEL DISPENSER	PTM	PARTITION	PVC	POLYVINYL CHLORIDE	PWD	PLYWOOD	SV	SHEET VINYL	R	RISER	RAD	RADIUS	RAU	RUBBERIZED ASPHALT UNDERLAYMENT	RD	ROOF DRAIN	REF	REFERENCE	REFR	REFRIGERATOR	RENF	REINFORCED	REQ	REQUIRED	RESIL	RESILIENT	RH	ROBE HOOK	RM	ROOM	RO	ROUGH OPENING	RWD	REDWOOD	RWL	RAIN WATER LEADER	S	SOUTH	SC	SOLID CORE	SCD	SEAT COVER DISPENSER	SCHED	SCHEDULE	SD	SOAP DISPENSER	SECT	SECTION	SF	SQUARE FOOT	SH	SHelf	SHR	SHOWER	SHTH	SHEATHING	SIM	SIMILAR	SIP	STRUCTURAL INSULATED PANEL	SND	SANITARY NAPKIN DISPENSER	SNR	SANITARY NAPKIN RECEPTACLE	SPEC	SPECIFICATIONS	SQ	SQUARE	STA	STATION	STC	SOUND TRANSMISSION CLASS	STD	STANDARD	STL	STEEL	STOR	STORAGE	STRUC	STRUCTURAL	SS	STAINLESS STEEL	SUSP	SUSPENDED	SY	SQUARE YARD	SV	SHEET VINYL	TB	TOWEL BAR	TC	TOP OF CURB	TEL	TELEPHONE	TEMP	TEMPORARY	T&G	TONGUE & GROOVE	THK	THICK	TOC	TOP OF CONCRETE	TOD	TOP OF DECK	TP	TOP OF PAVEMENT	TPD	TOILET PAPER DISPENSER	TRD	TREAD	TRTD	PRESSURE TREATED	TV	TELEVISION	TOW	TOP OF WALL	TYP	TYPICAL	UL	UNDERWRITER LABORATORY	UNF	UNFINISHED	UON	UNLESS OTHERWISE NOTED	UR	URINAL	UST	UNDERGROUND STORAGE TANK	VB	VAPOR BARRIER	VCT	VINYL COMPOSITION TILE	VERT	VERTICAL	VEST	VESTIBULE	VTR	VENT THROUGH ROOF	W	WIDE	WTH	WITH	WC	WATER CLOSET	WD	WOOD	W/O	WITHOUT	WP	WATERPROOF	WR	WASTE RECEPTACLE	WSCOT	WANSICOT	WT	WEIGHT	WWF	WELDED WIRE FABRIC
-----	-------	----	------------	----------	--------	-------	------------	----	------------------	-----	------------------------------	-----	------------	-----	--------------------	----	--------------------------	----	----------	----	------------------	--------	-------------	------	---------------	-----	----------	-----	---------------------------	----	-------	-------	------------	------	----------	-----	-------	------	----------	----	------	-----	--------	-----	---------	----	-------------	-----	--------	-----	---------	----	--------------	------	---------	----	-----------	-----	---------	------	----------	-----	--------	-----	-------	------	---------	-----	--------	------	----------	------	------------	------	------------	------	----------	-----	--------	----	--------------	-----	--------	------	-------------	-----	-------------------	----	-------------------	-----	--------	-----	----------	----	-----------	------	-----------	----	------	----	------	----	-----------	-----	---------	-----	--------	---	------	----	------	-----	-------------------------------------	----	-----------------	----	-----------	------	------------	------	----------	------	-----------	----	-----------	------	-----------	----	-----------------------	------	----------------------------------	----	-------	-----	-----------	----	----------	-----	---------	-----	-----------	-----	----------	----	------------	----	----------	----	-------------	-----	------------	-----	-----------------------	----	--------------	-----	-------------------	----	--------	-------	----------	-----	-------	-------	-------------	-----	------------------	-----	----------------	-----	---------------	-----	---------------------------------	------	-----------	-----	----------------	-----	------------------------	----	--------------	-----	---------	------	---------	-----	--------	----	-------	------	------------	----	----------	----	-------	----	-------	----	--------------------	-----	---------	---	------	----	-----------	----	-------------	------	----------	------	----------	----	--------------	-------	------------	----	------	----	--------	----	-----------	----	-----------------	-------	------------	-----	----------	-----	---------	----	-------	-----	------------	-----	----------	-----	----------	----	-------	-----	--------	----	-------	---	--------	-----	---------	----	------------------	-----	------------------------	------	------------	------	----------	-----	--------------	----	---------	-----	---------	------	---------------	----	-----------------	-----	---------	-----	-------	-----	---------	---	-------	-----	-----------------	---------	--------	-----	---------	-----	--------------	----	------	----	---------	----	-----------	----	------------------	-----	----------------	-----	--------	------	---------	-----	----------	-----	-----------------------	----	-------	------	------------------	------	---------	----	----------	----	--------------	----	------	----	-------	-----	-----------------------	-----	-----------	-----	--------------------	-----	---------	----	-------------	---	-------	-----	--------	-----	---------------------------------	----	------------	-----	-----------	------	--------------	------	------------	-----	----------	-------	-----------	----	-----------	----	------	----	---------------	-----	---------	-----	-------------------	---	-------	----	------------	-----	----------------------	-------	----------	----	----------------	------	---------	----	-------------	----	-------	-----	--------	------	-----------	-----	---------	-----	----------------------------	-----	---------------------------	-----	----------------------------	------	----------------	----	--------	-----	---------	-----	--------------------------	-----	----------	-----	-------	------	---------	-------	------------	----	-----------------	------	-----------	----	-------------	----	-------------	----	-----------	----	-------------	-----	-----------	------	-----------	-----	-----------------	-----	-------	-----	-----------------	-----	-------------	----	-----------------	-----	------------------------	-----	-------	------	------------------	----	------------	-----	-------------	-----	---------	----	------------------------	-----	------------	-----	------------------------	----	--------	-----	--------------------------	----	---------------	-----	------------------------	------	----------	------	-----------	-----	-------------------	---	------	-----	------	----	--------------	----	------	-----	---------	----	------------	----	------------------	-------	----------	----	--------	-----	--------------------

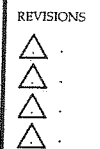
SYMBOLS



CODE SUMMARY



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**



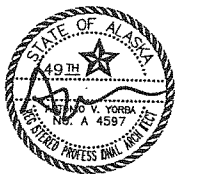
SHEET TITLE
SYM, ABBREV
NOTES, REF,
SITE PLAN

DATE: MARCH 21, 2003
FILE: 0211

A002

**Jensen
Yorba
Lott
Inc.**

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

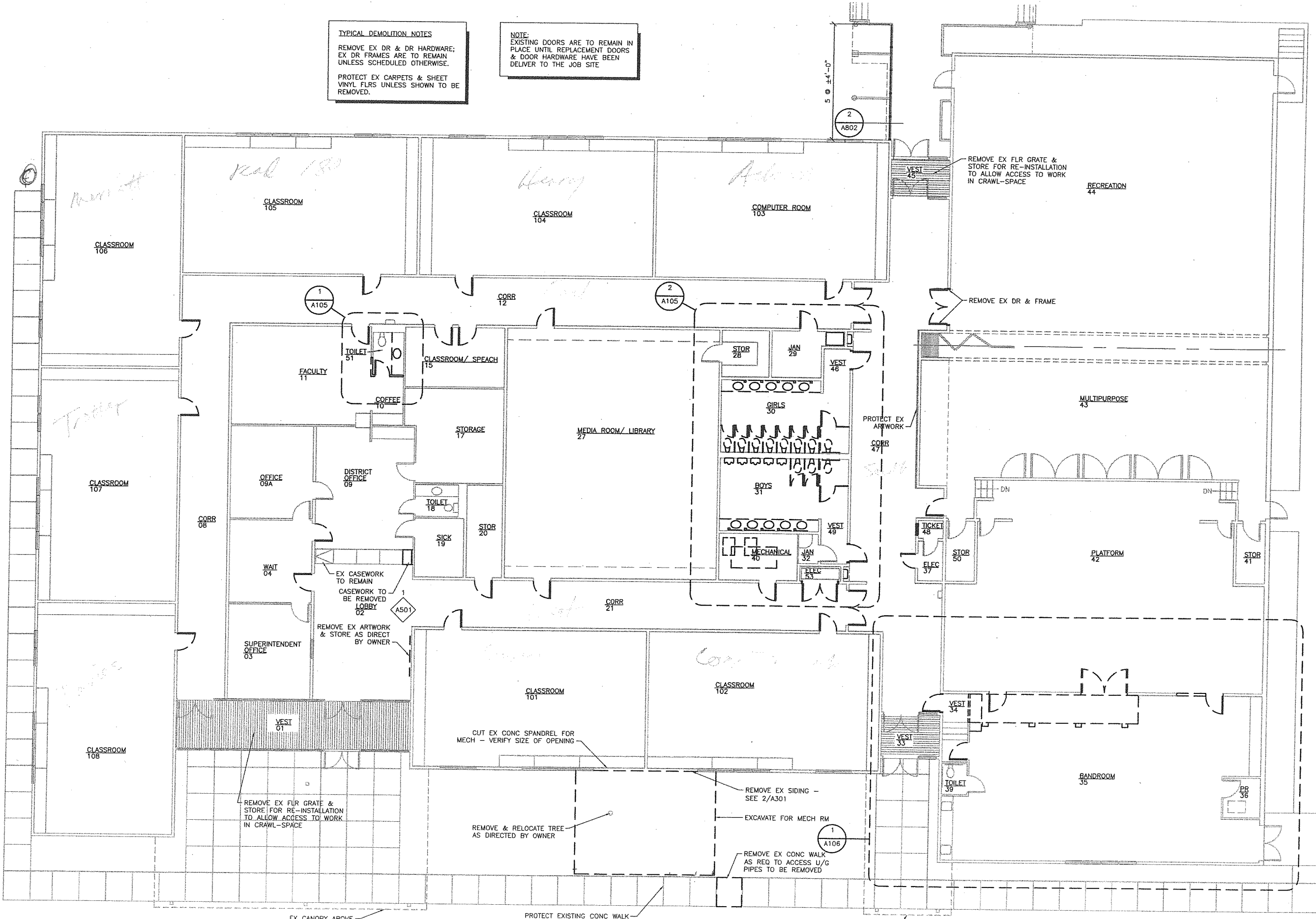


G:\Projects\0211\Cad\Arch\A101.dwg, 04/01/03 10:33:42 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

TYPICAL DEMOLITION NOTES
REMOVE EX DR & DR HARDWARE;
EX DR FRAMES ARE TO REMAIN
UNLESS SCHEDULED OTHERWISE.

PROTECT EX CARPETS & SHEET
VINYL FLRS UNLESS SHOWN TO BE
REMOVED.

NOTE:
EXISTING DOORS ARE TO REMAIN IN
PLACE UNTIL REPLACEMENT DOORS
& DOOR HARDWARE HAVE BEEN
DELIVER TO THE JOB SITE



1 DEMOLITION FLOOR PLAN INTERMEDIATE SCHOOL
SCALE: 0 4' 8' 16'

**Jensen
Yorba
Lott
Inc.**
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com



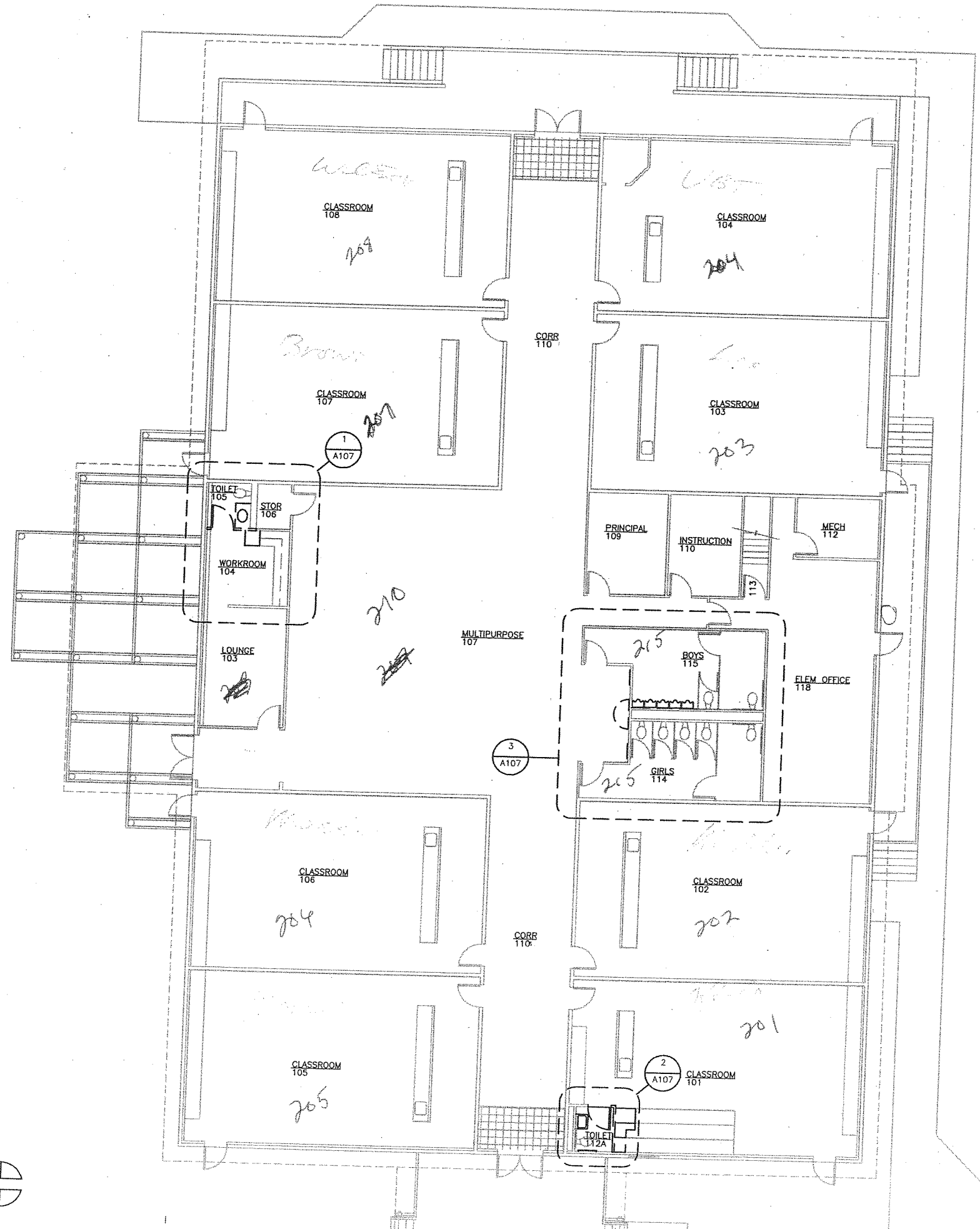
**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
▲
▲
▲
▲
SHEET TITLE
**DEMOLITION
FLOOR PLAN
INTERMEDIATE
SCHOOL**
DATE: MARCH 21, 2003
FILE: 0211

A101

G:_Projects\0211\Cad\Arch\A102.dwg, 04/01/03 10:28:06 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

1 DEMOLITION FLOOR PLAN PRIMARY SCHOOL
SCALE: 0 4' 8' 16'



Jensen Yorba Lot Inc
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1000
fax 907-586-3950
jensenyorbalott.com



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
▲
▲
▲
▲

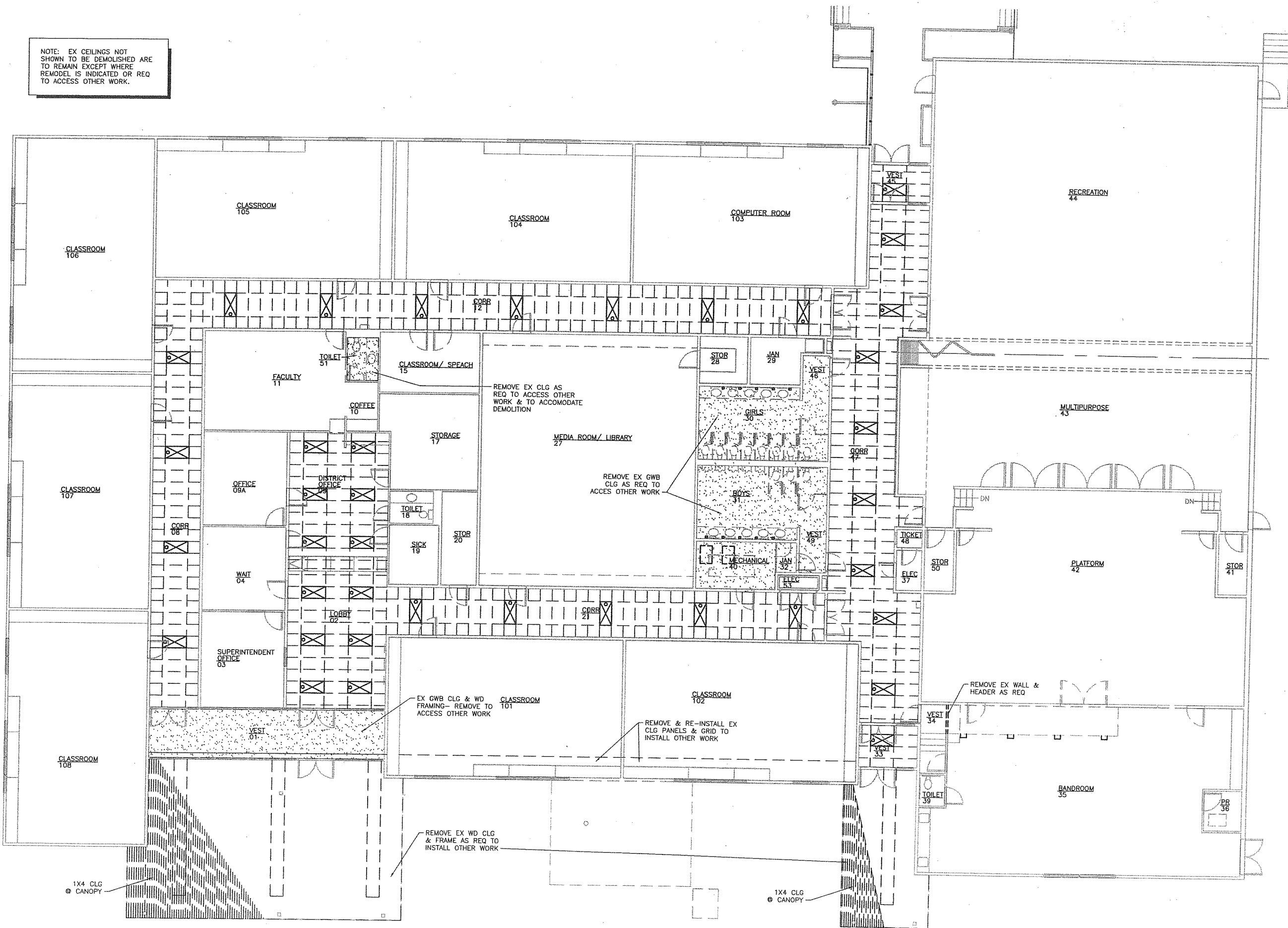
SHEET TITLE
DEMOLITION
FLOOR PLAN
PRIMARY SCHOOL

DATE: MARCH 21, 2003
FILE: 0211

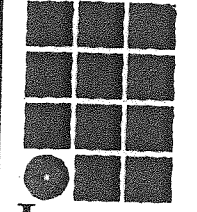
A102

G:_Projects\0211\Cad\CD\Arch\A103.dwg, 04/01/03 10:28:20 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

NOTE: EX CEILINGS NOT SHOWN TO BE DEMOLISHED ARE TO REMAIN EXCEPT WHERE REMODEL IS INDICATED OR REQ TO ACCESS OTHER WORK.

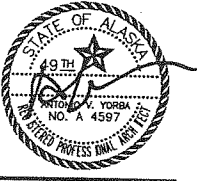


1 DEMOLITION REFLECTED CEILING PLAN INTERMEDIATE SCHOOL
 SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

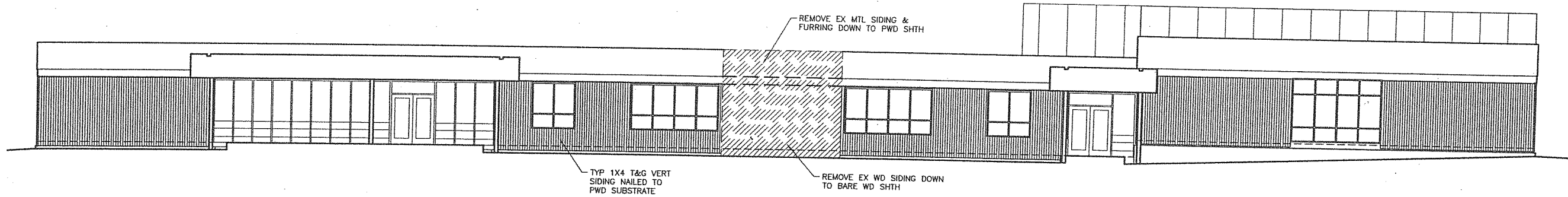
REVISIONS

- △
- △
- △
- △

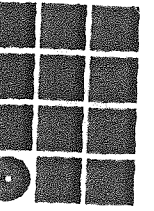
SHEET TITLE
DEMOLITION
 RCP
 INTERMEDIATE
 SCHOOL
 DATE: MARCH 21, 2003
 FILE: 0211

A103

G:_Projects\0211\Cad\CD\Arch\A104.dwg, 04/01/03 10:28:34 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

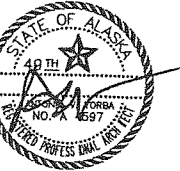


1 DEMOLITION WEST ELEVATION
 SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

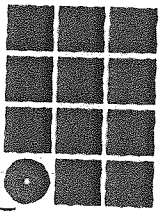
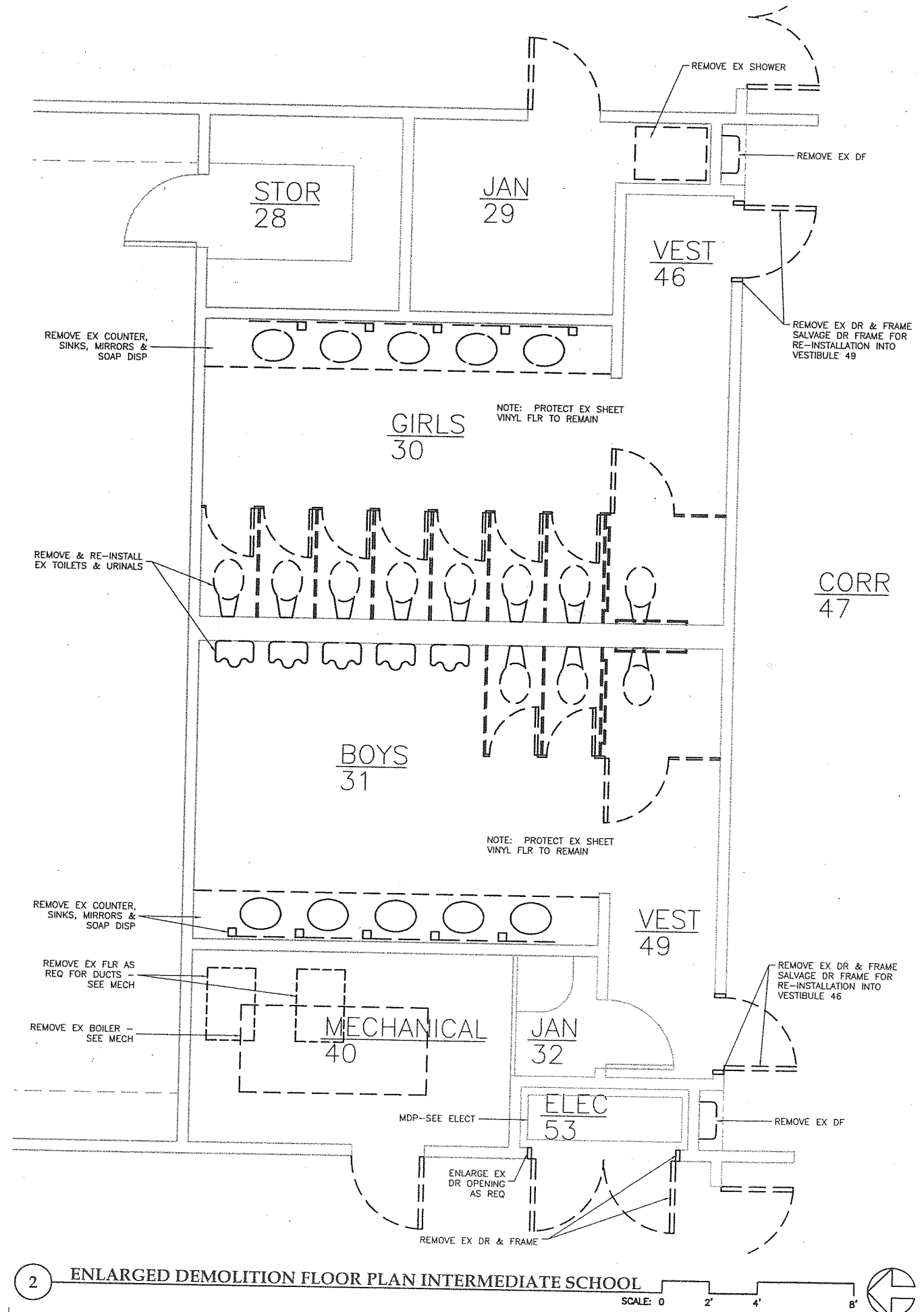
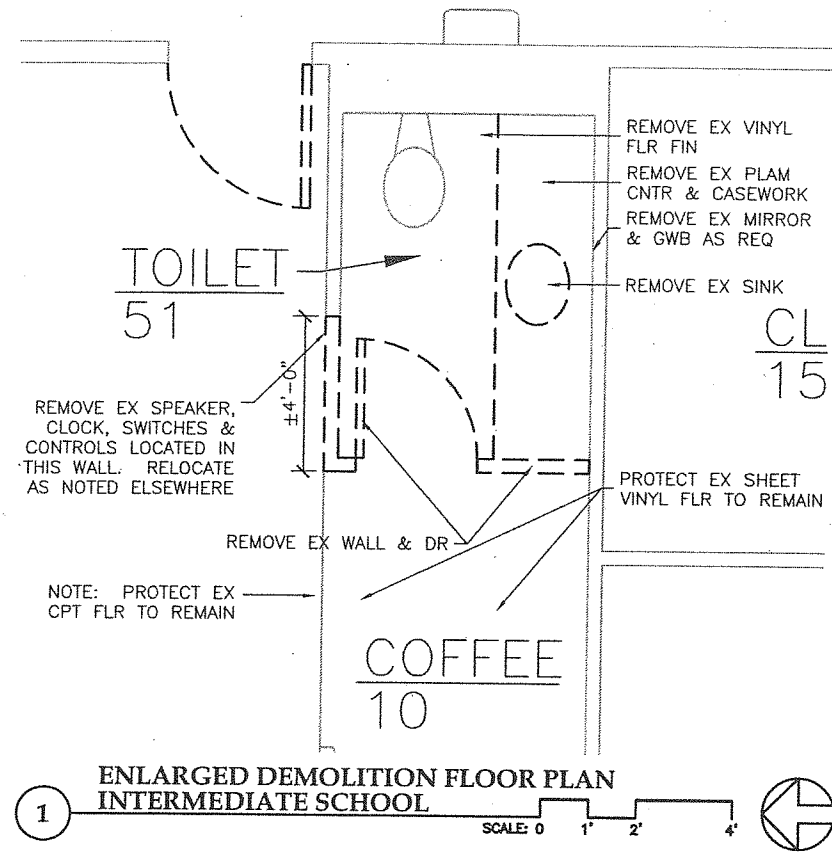
REVISIONS

- △
- △
- △
- △

SHEET TITLE
 DEMOLITION
 BLDG SECT/ ELEV
 INTERMEDIATE
 SCHOOL

DATE: MARCH 21, 2003
 FILE: 0211

A104



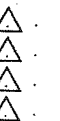
**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

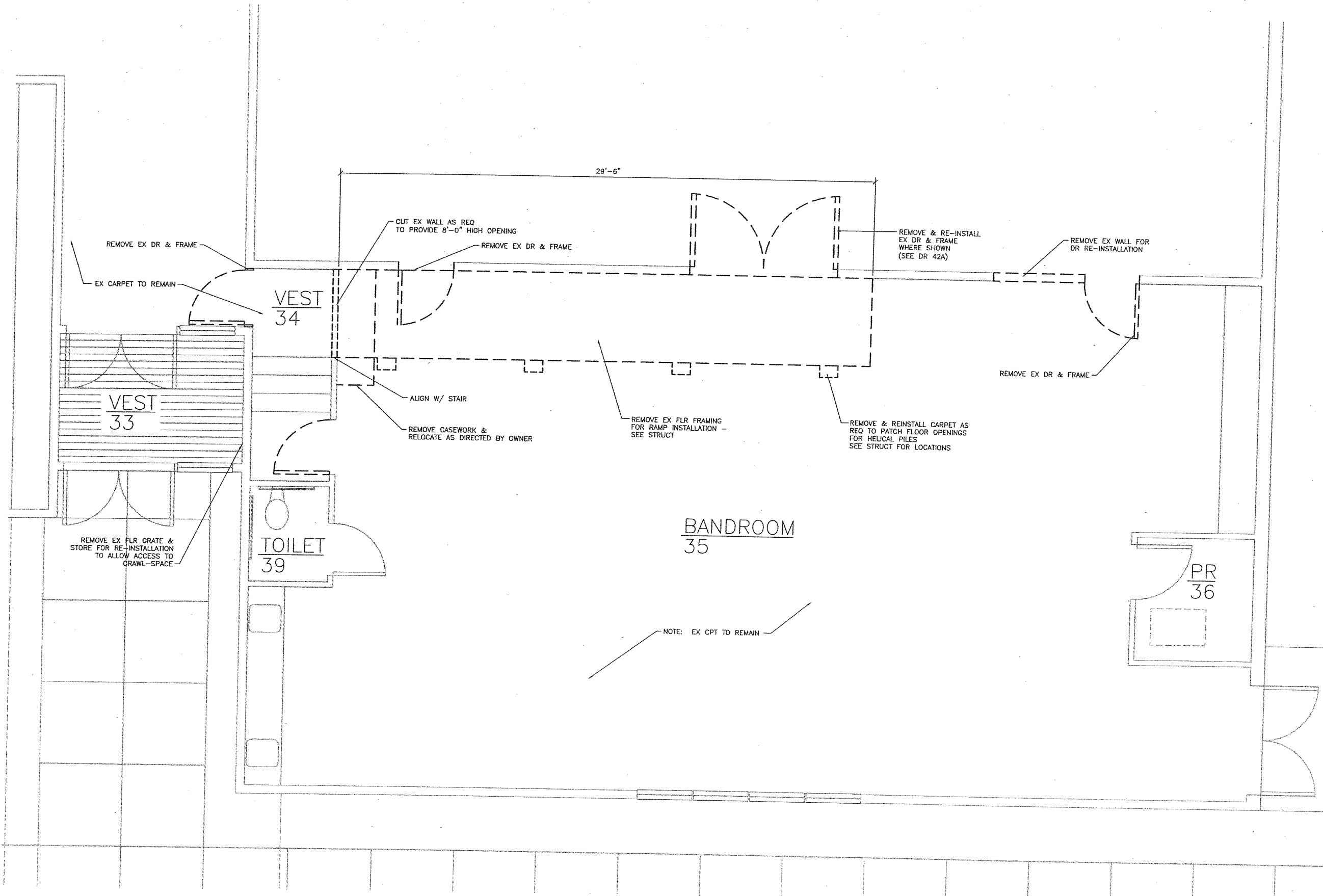


SHEET TITLE
**ENLARGED DEMO
FLOOR PLAN
INTERMEDIATE
SCHOOL**

DATE: MARCH 21, 2003
FILE: 0211

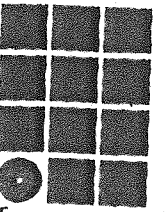
A105

G:_Projects\0211\Cad\CDArch\A106.dwg, 04/01/03 10:29:04 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



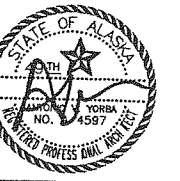
1 ENLARGED DEMOLITION FLOOR PLAN INTERMEDIATE SCHOOL

SCALE: 0 2' 4' 8'



**Jensen
Yorba
Lott
Inc.**

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



WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

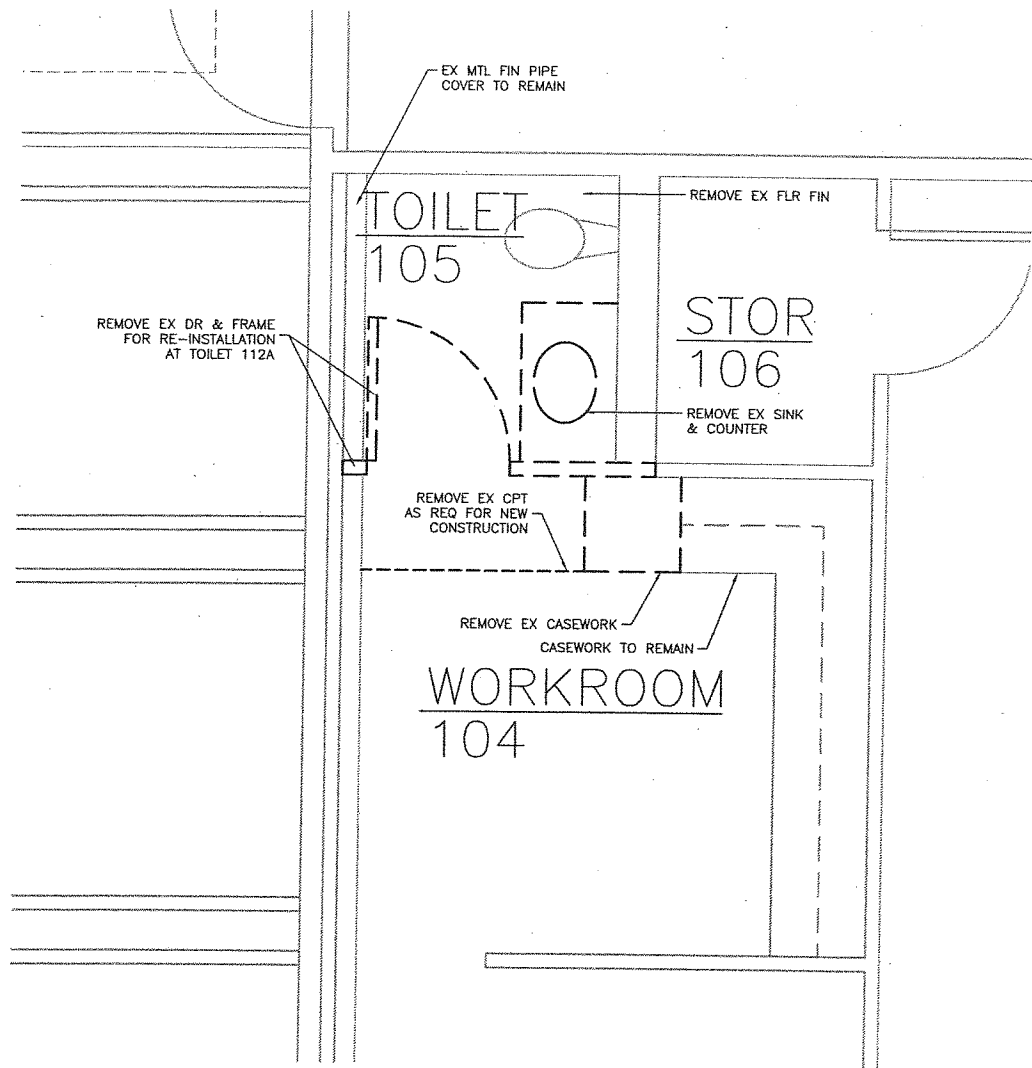
REVISIONS

- △
- △
- △
- △

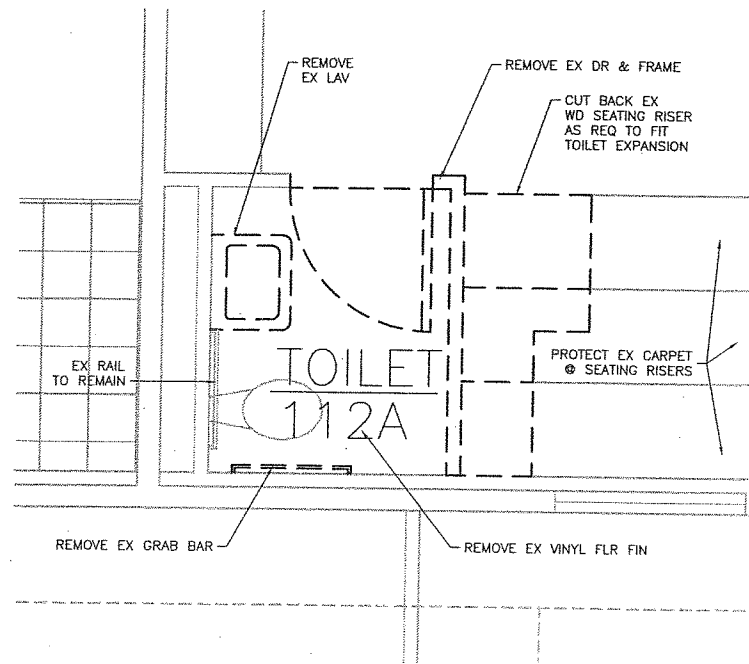
SHEET TITLE
ENLARGED DEMO
FLOOR PLAN
INTERMEDIATE
SCHOOL

DATE: MARCH 21, 2003
FILE: 0211

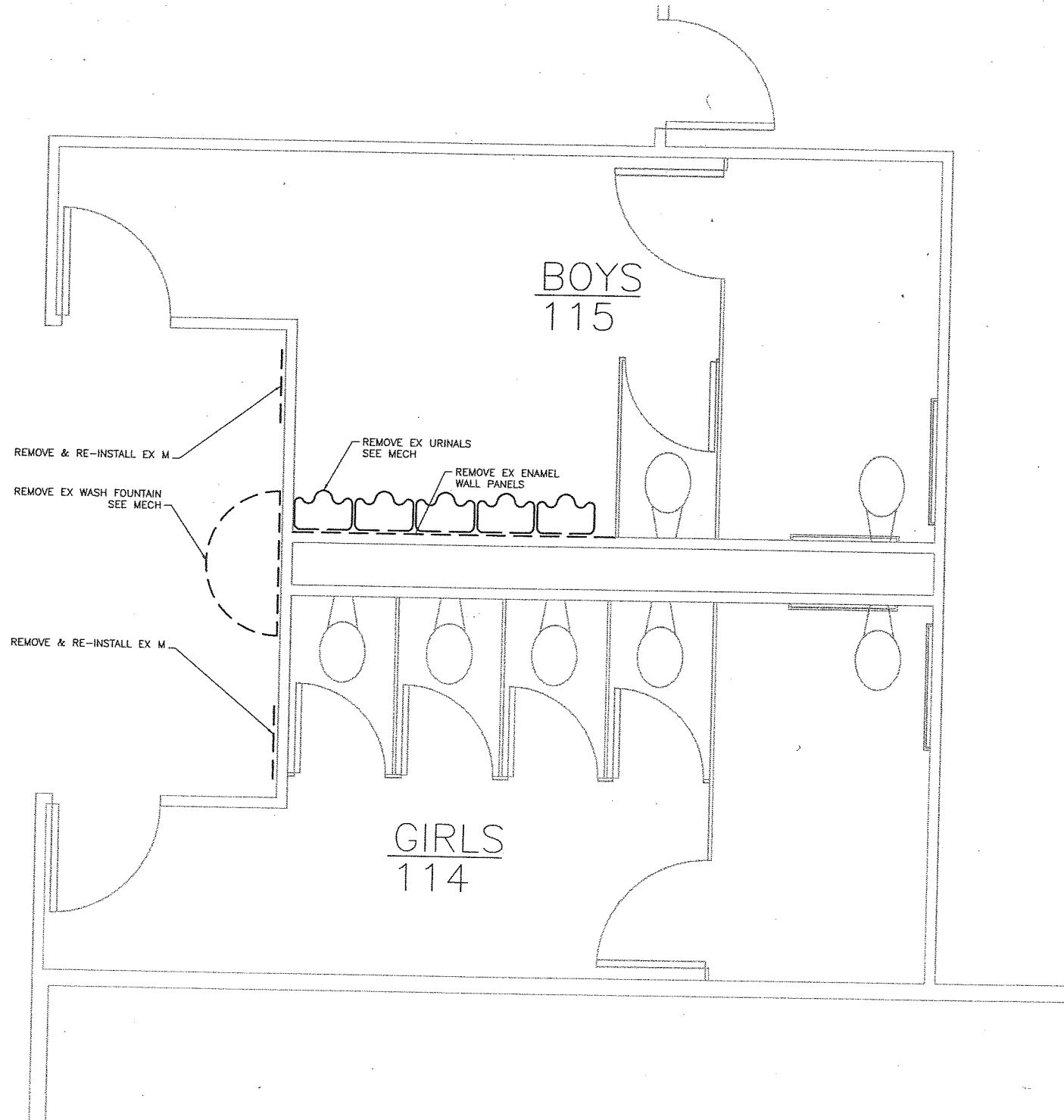
A106



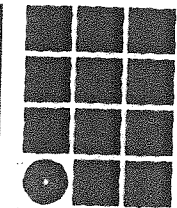
1 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



2 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



3 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



**Jensen
Yorba
Lott
Inc.**

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



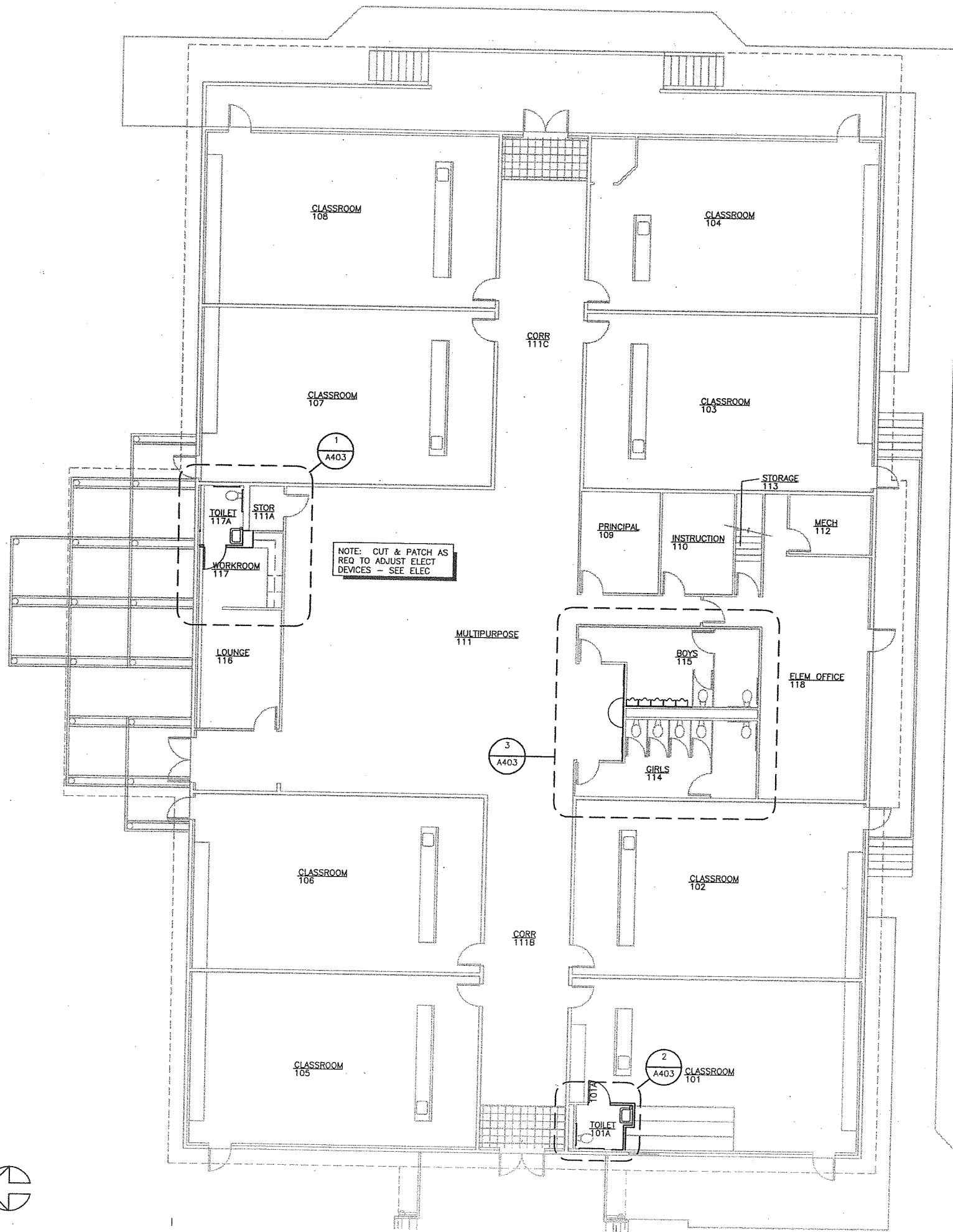
WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

- △
- △
- △
- △

SHEET TITLE
ENLARGED DEMO
FLOOR PLAN
INTERMEDIATE
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

A107



1 RENOVATION FLOOR PLAN PRIMARY SCHOOL
 SCALE: 0 4' 8' 16'

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

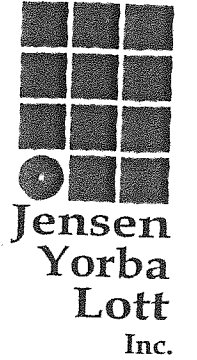
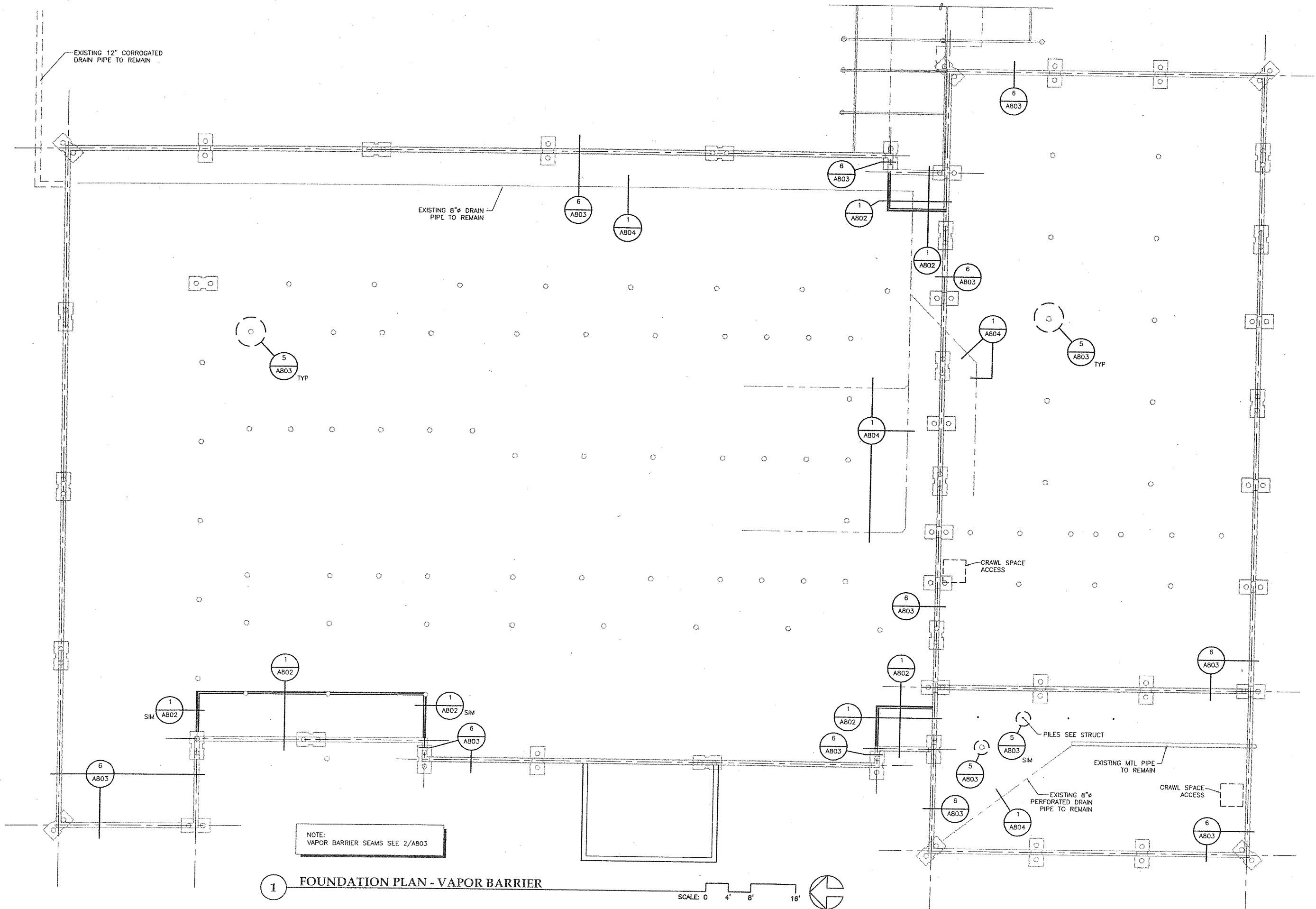


**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 SHEET TITLE
 RENOVATION
 FLOOR PLAN
 PRIMARY SCHOOL
 DATE: MARCH 21, 2003
 FILE: 0211

A202

G:\Projects\0211\Cad\CD\Arch\A203.dwg, 04/01/03 11:02:11 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

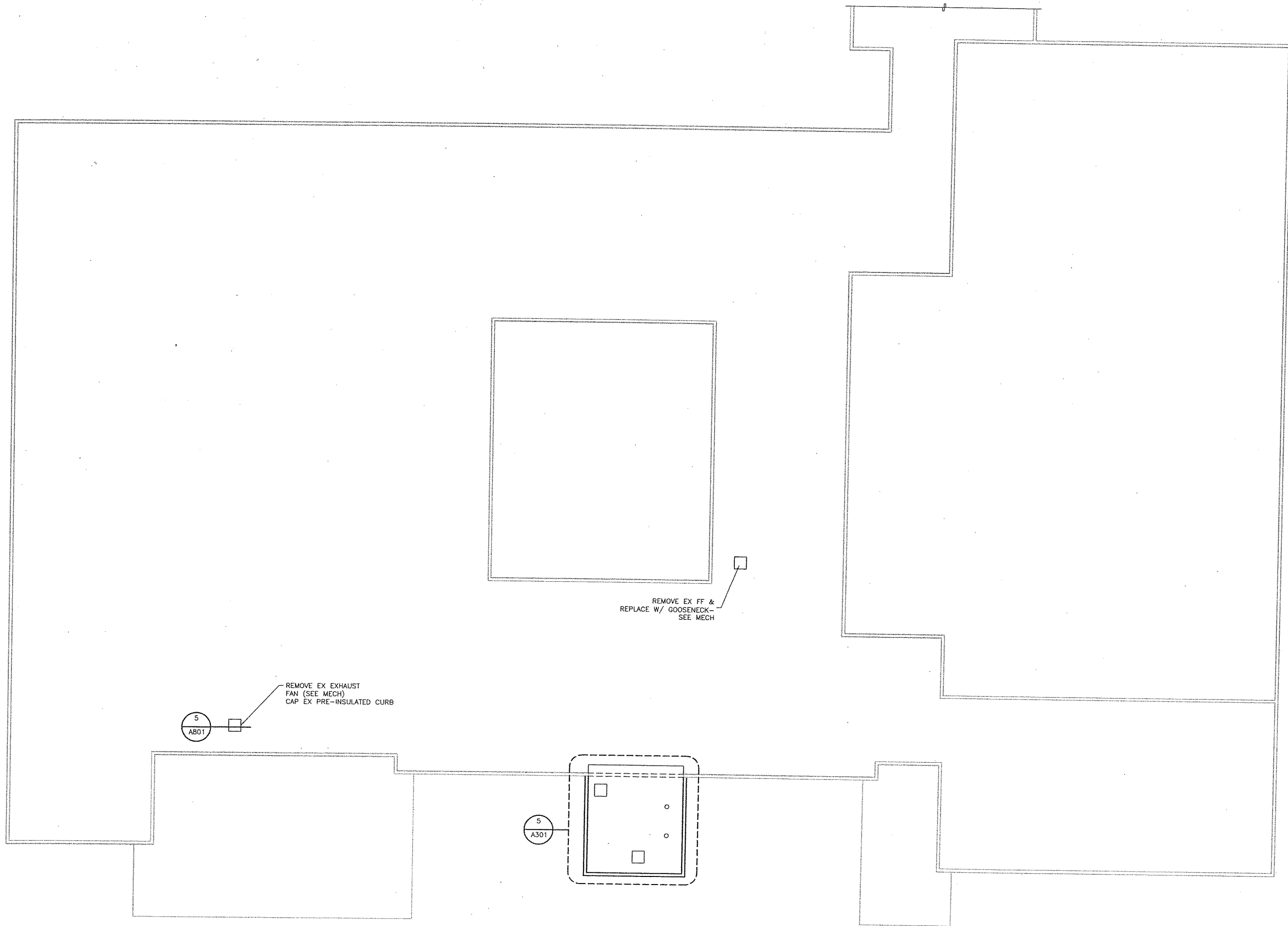
REVISIONS

- △
- △
- △
- △

SHEET TITLE
**RENOVATION
FOUNDATION
PLAN**

DATE: MARCH 21, 2003
FILE: 0211

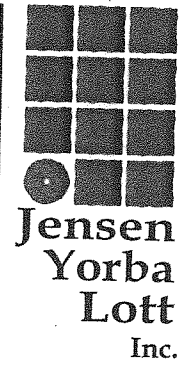
A203



1

RENOVATION ROOF PLAN INTERMEDIATE SCHOOL

SCALE: 0 4' 8' 16'



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



WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

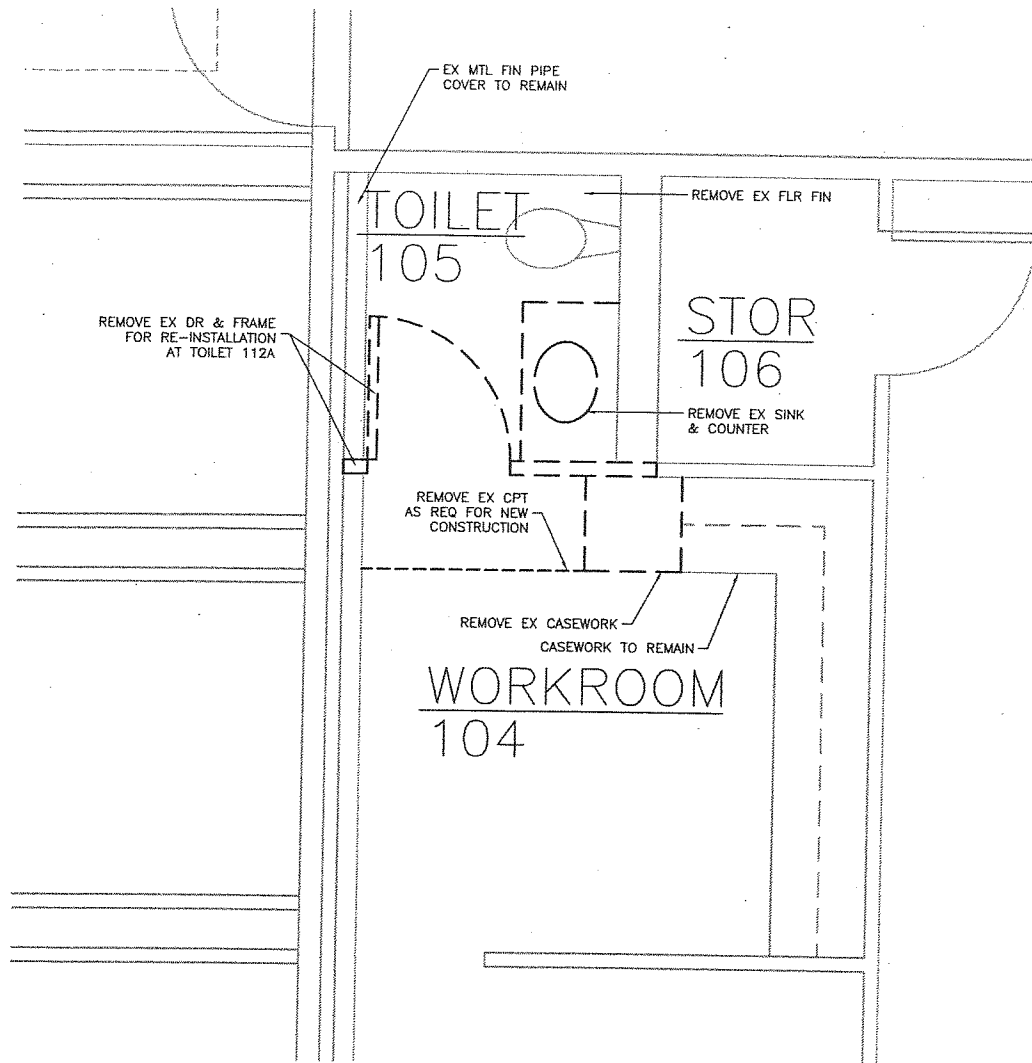
REVISIONS

- △
- △
- △
- △

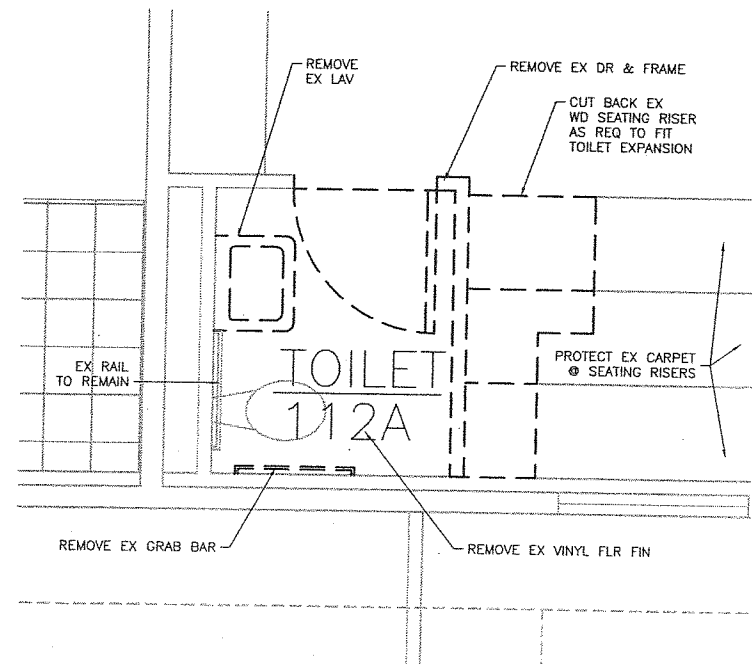
SHEET TITLE
RENOVATION
ROOF PLAN
INTERMEDIATE
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

A204

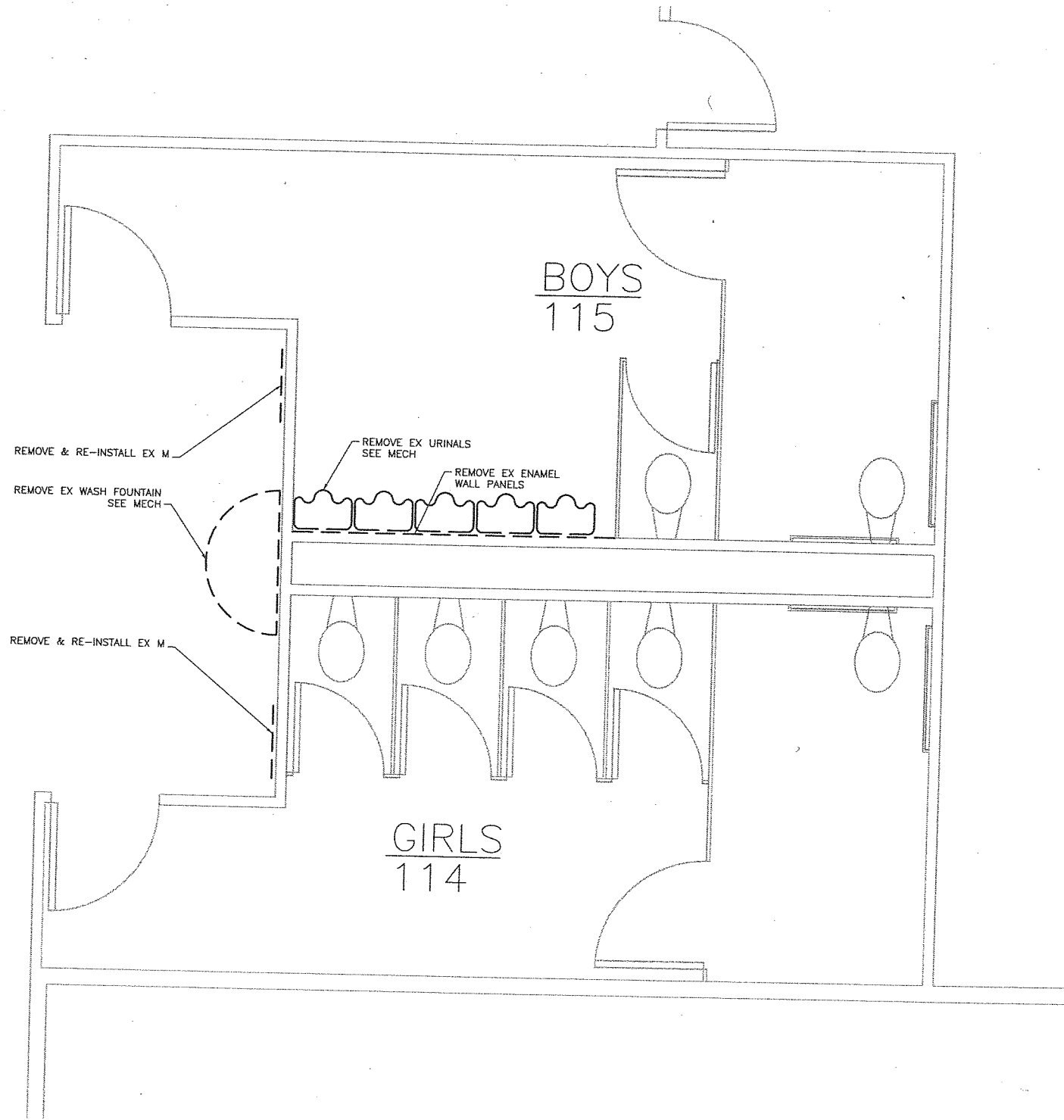
G:\Projects\0211\Cad\CD\Arch\A107.dwg, 04/01/03 10:29:19 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



1 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



2 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



3 ENLARGED DEMOLITION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbaltott.com



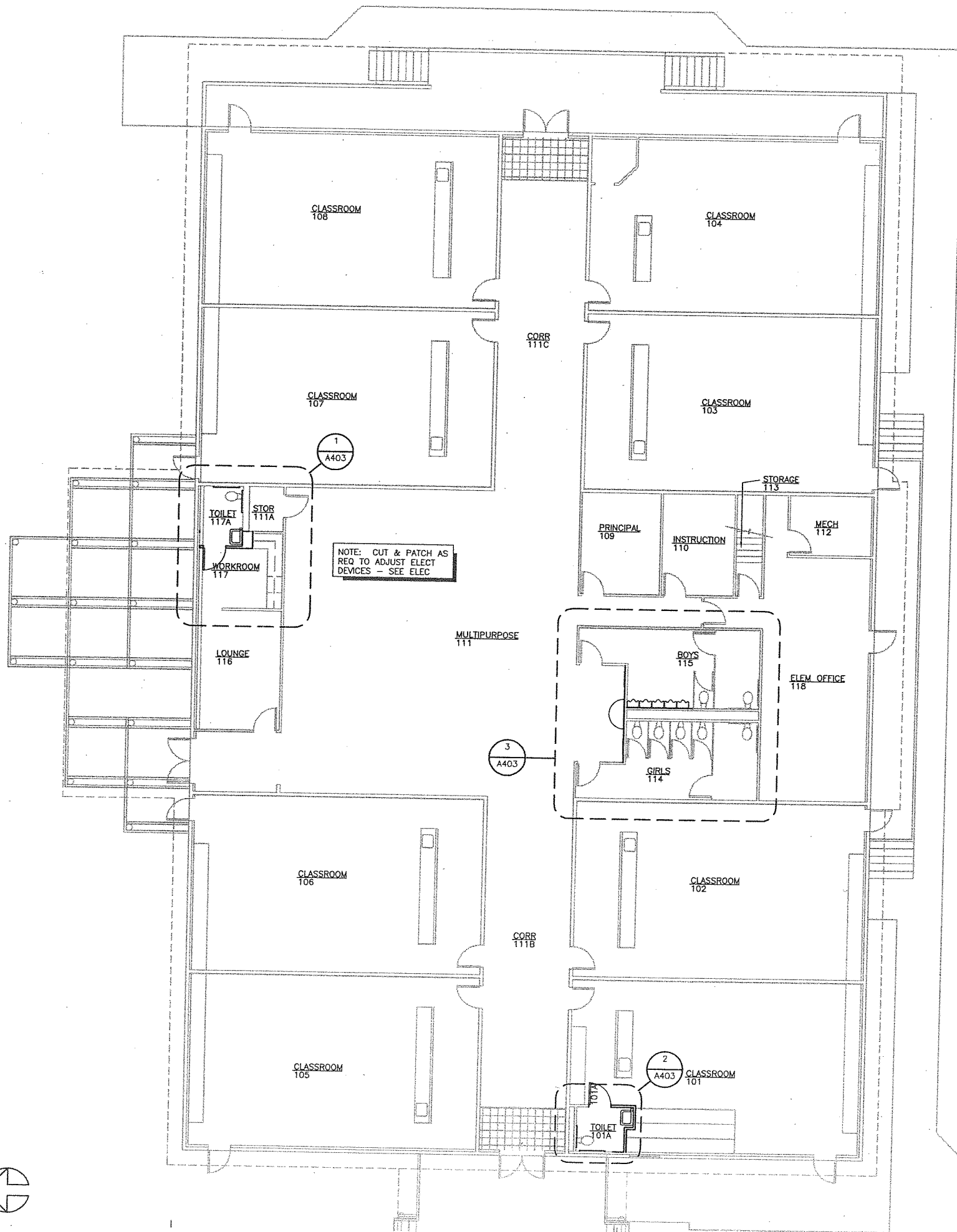
WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

- △
- △
- △
- △

SHEET TITLE
ENLARGED DEMO
FLOOR PLAN
INTERMEDIATE
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

A107



1 RENOVATION FLOOR PLAN PRIMARY SCHOOL
 SCALE: 0 4' 8' 16'

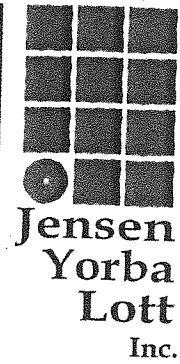
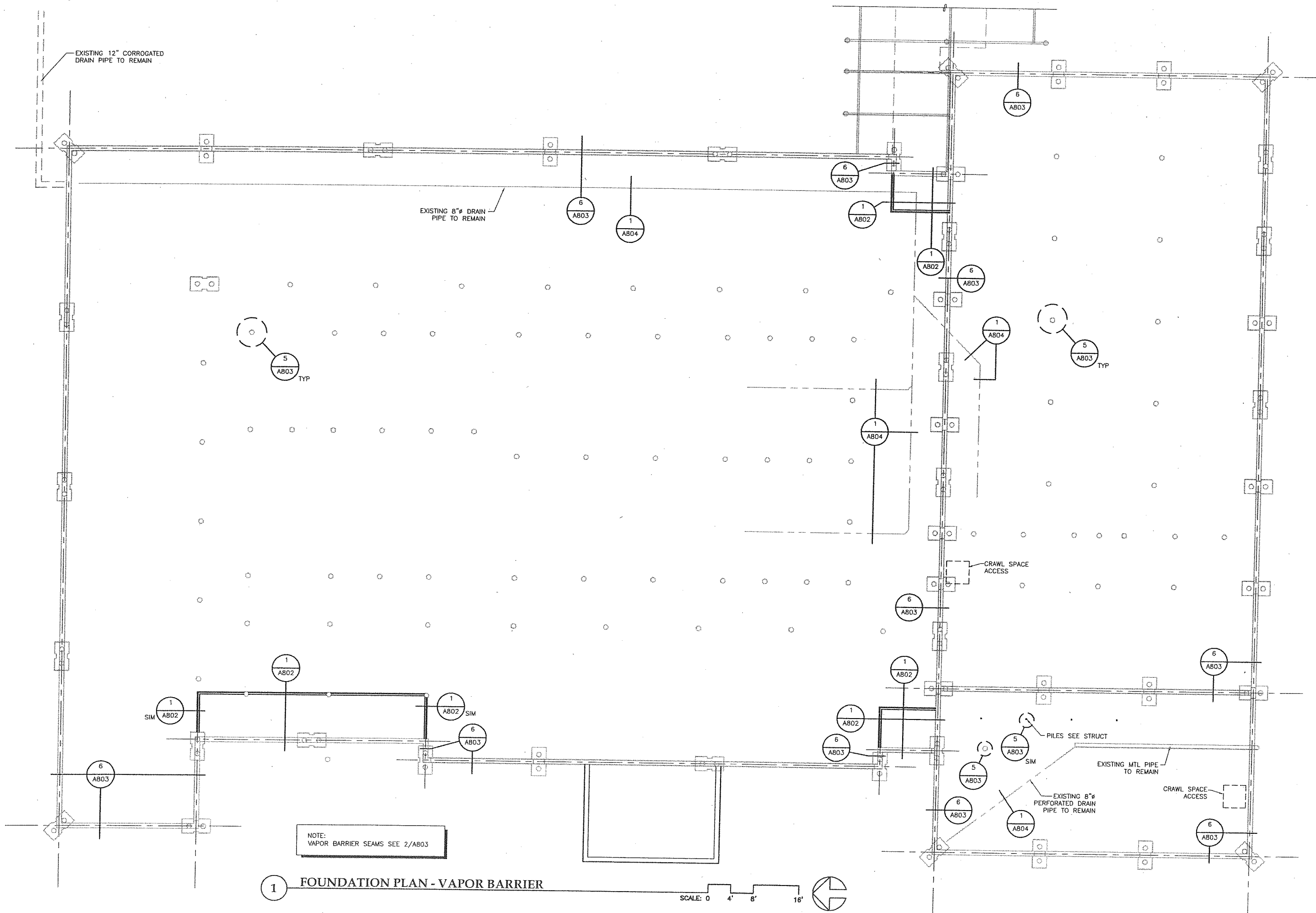
Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbalott.com



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 SHEET TITLE
**RENOVATION
 FLOOR PLAN
 PRIMARY SCHOOL**
 DATE: MARCH 21, 2003
 FILE: 0211

G:_Projects\0211\Cad\CD\Arch\A203.dwg, 04/01/03 11:02:11 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

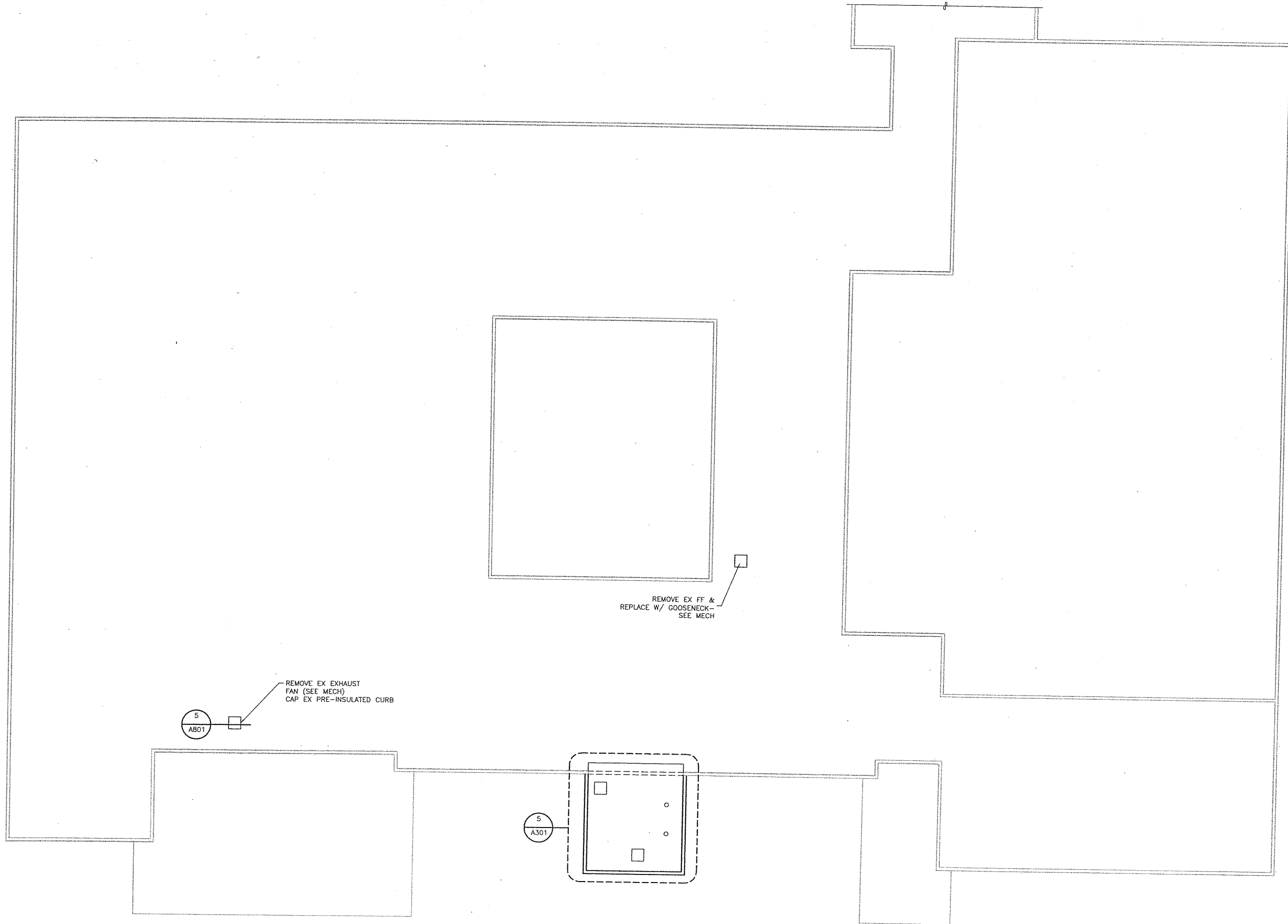
REVISIONS

- △
- △
- △
- △

SHEET TITLE
**RENOVATION
FOUNDATION
PLAN**

DATE: MARCH 21, 2003
FILE: 0211

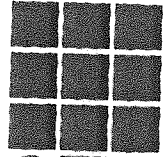
A203



1

RENOVATION ROOF PLAN INTERMEDIATE SCHOOL

SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

- △
- △
- △
- △

SHEET TITLE
RENOVATION
ROOF PLAN
INTERMEDIATE
SCHOOL

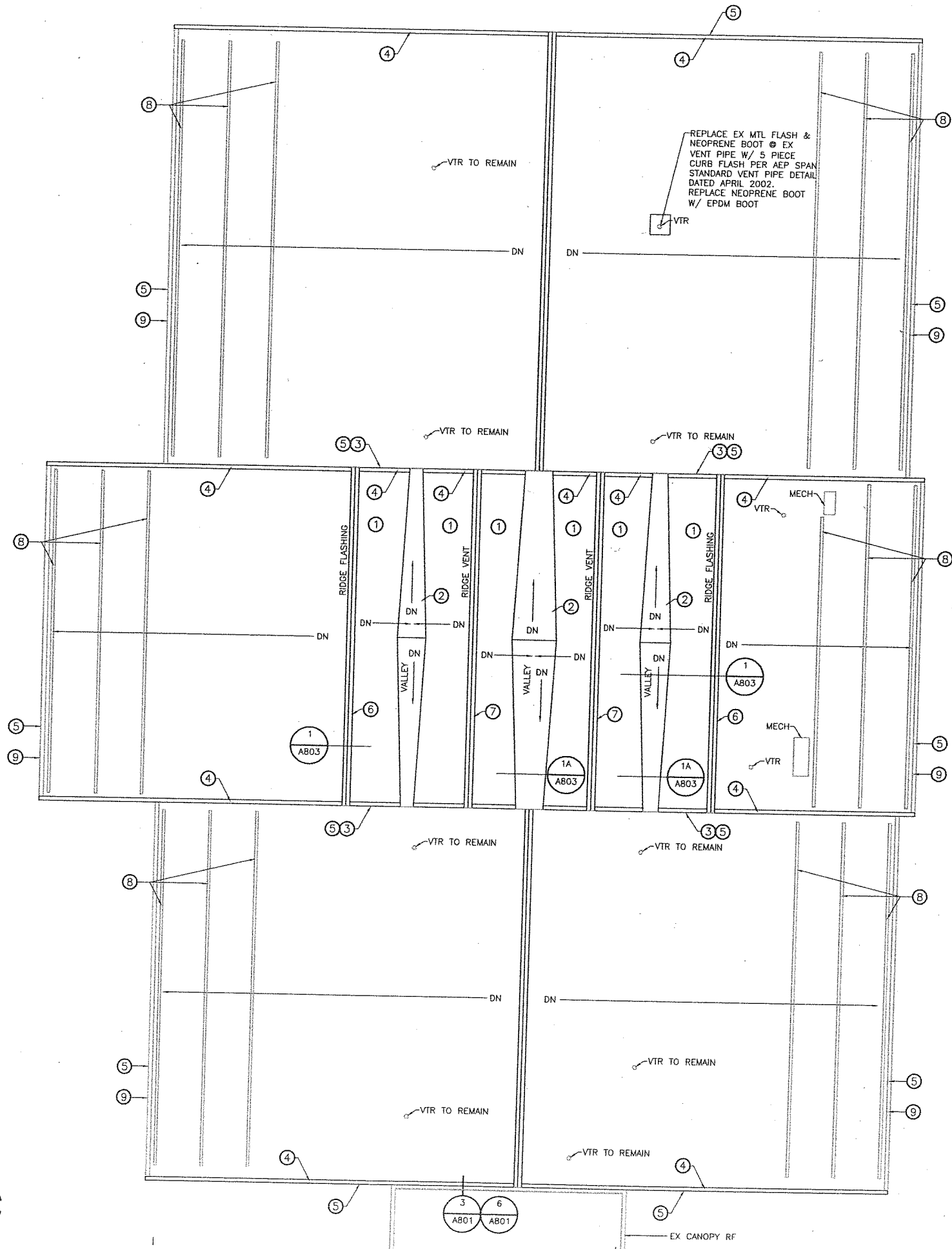
DATE: MARCH 21, 2003
FILE: 0211

A204

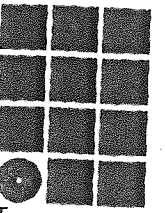
G:_Projects\0211\Cad\CD\Arch\A205.dwg, 04/01/03 10:30:43 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

LEGEND:

- ① REMOVE EXISTING CLIP RIB PANELS AS REQ TO REPLACE GUTTER MEMBRANE & REINSTALL
- ② REPLACE GUTTER MEMBRANE W/ 60 MIL EPDM
- ③ SCRAPE CEMENT PANELS CLEAN REPLACE PANEL UNDER GUTTER
- ④ INSTALL NEW SS HEX HEAD FASTENERS W/ NEOPRENE WASHERS SIZE & SPACE TO MATCH EXISTING AT GABLE END FLASH, SEE 4/A803
- ⑤ POWER WASH & PAINT CEMENT PANELS - SEE 3/A803, SIM
- ⑥ REMOVE & REPLACE MTL RIDGE FLASH
- ⑦ REMOVE & REINSTALL EX MTL RIDGE VENT
- ⑧ EX SNOWGUARDS; REMOVE & REINSTALL W/ SS FASTENERS, SIZE & SPACE TO MATCH EX. SEE 3/A803
- ⑨ EX MTL GUTTER; REMOVE EX STRAPS & EXPOSED FASTENERS & REPLACE - SEE 3/A803



① RENOVATION ROOF PLAN PRIMARY SCHOOL
SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

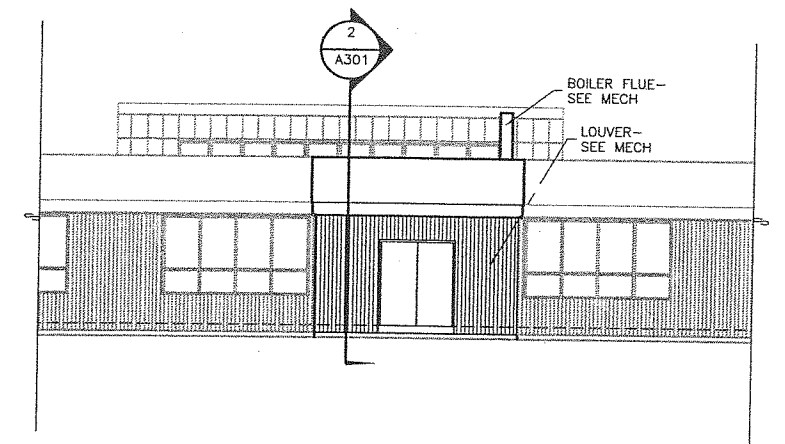
- △
- △
- △
- △

SHEET TITLE
**RENOVATION
ROOF PLAN
PRIMARY SCHOOL**

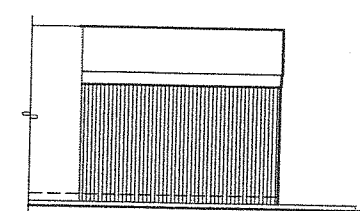
DATE: MARCH 21, 2003
FILE: 0211

A205

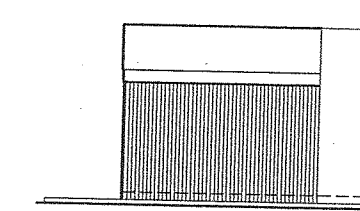
G:\Projects\0211\Cad\CD\Arch\A301.dwg, 04/01/03 10:30:57 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



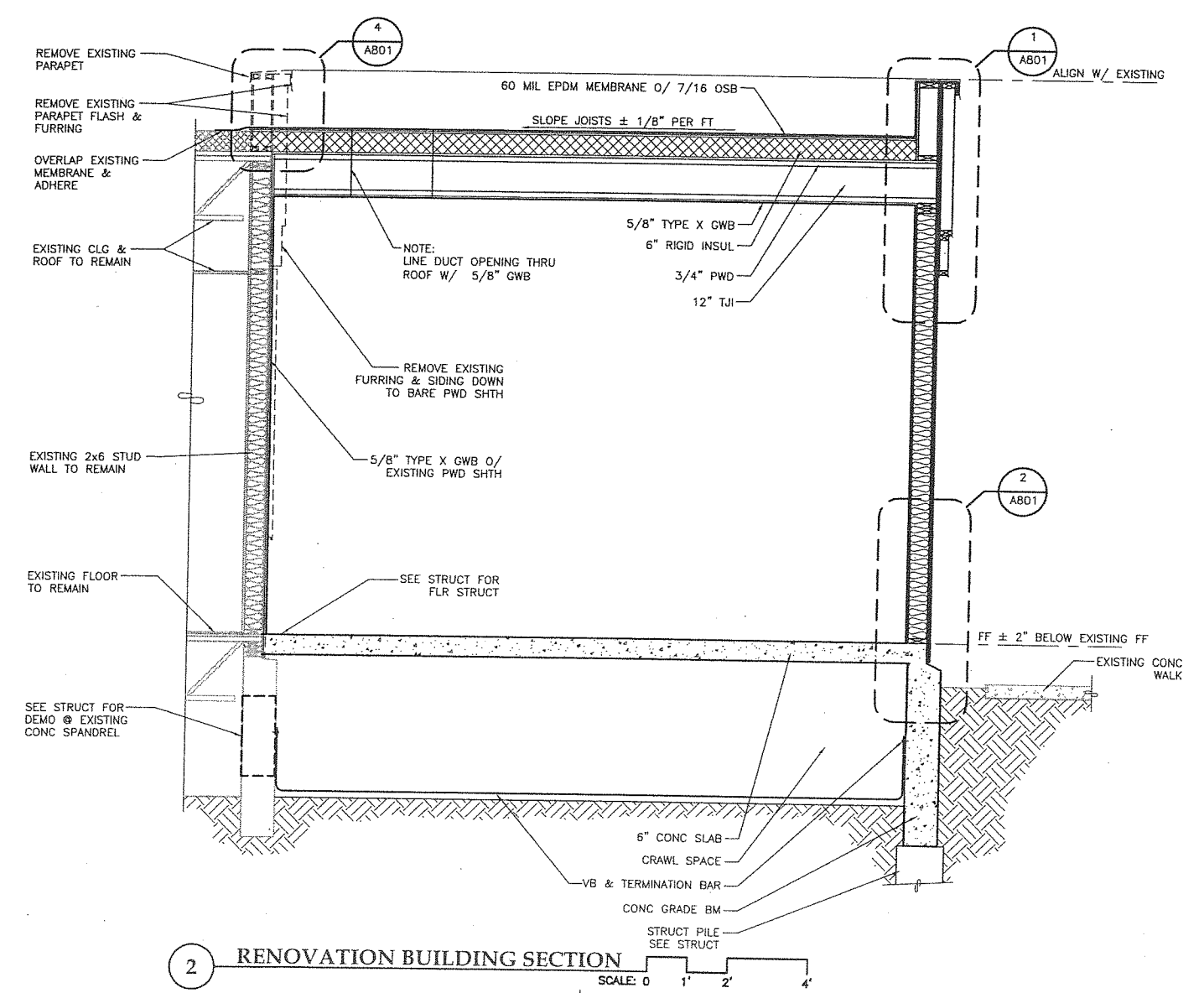
1 RENOVATION WEST ELEVATION
SCALE: 0 4' 8' 16'



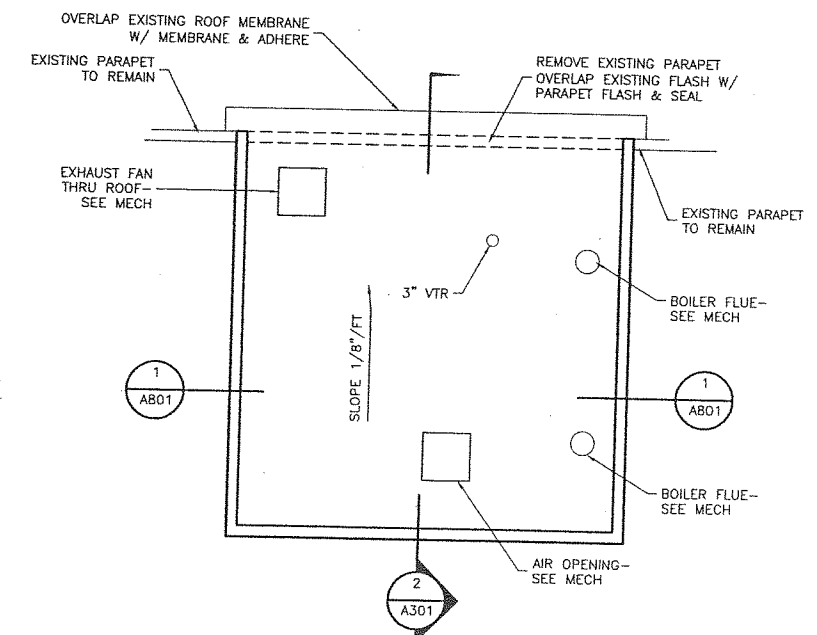
3 RENOVATION NORTH ELEVATION
SCALE: 0 4' 8' 16'



4 RENOVATION SOUTH ELEVATION
SCALE: 0 4' 8' 16'

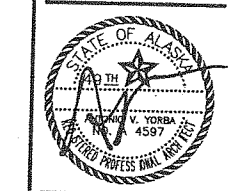


2 RENOVATION BUILDING SECTION
SCALE: 0 1' 2' 4'



5 ROOF PLAN
SCALE: 0 2' 4' 8'

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbaltott.com



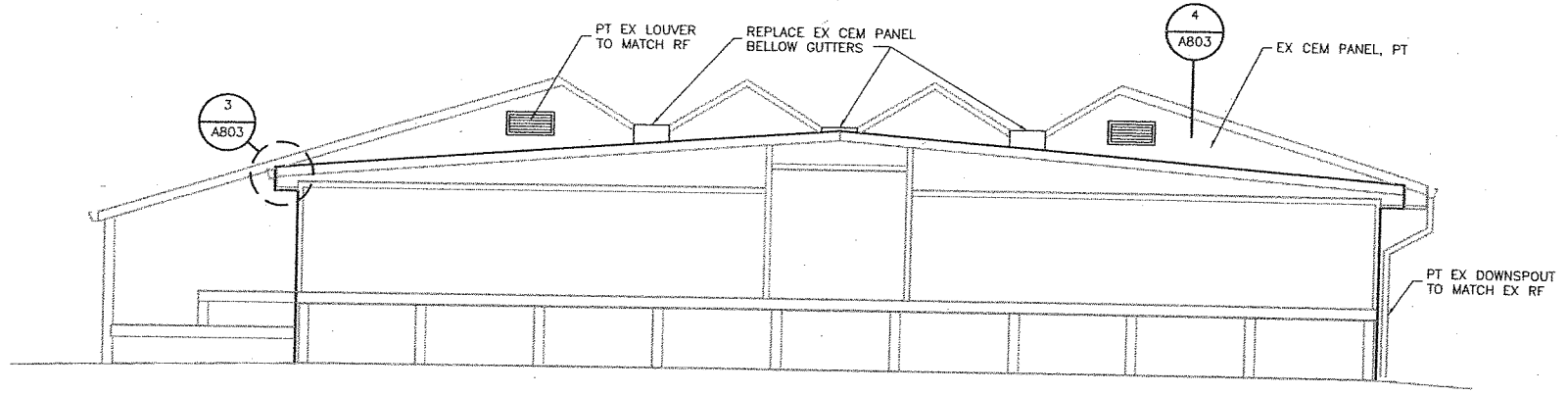
**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
▲
▲
▲
▲

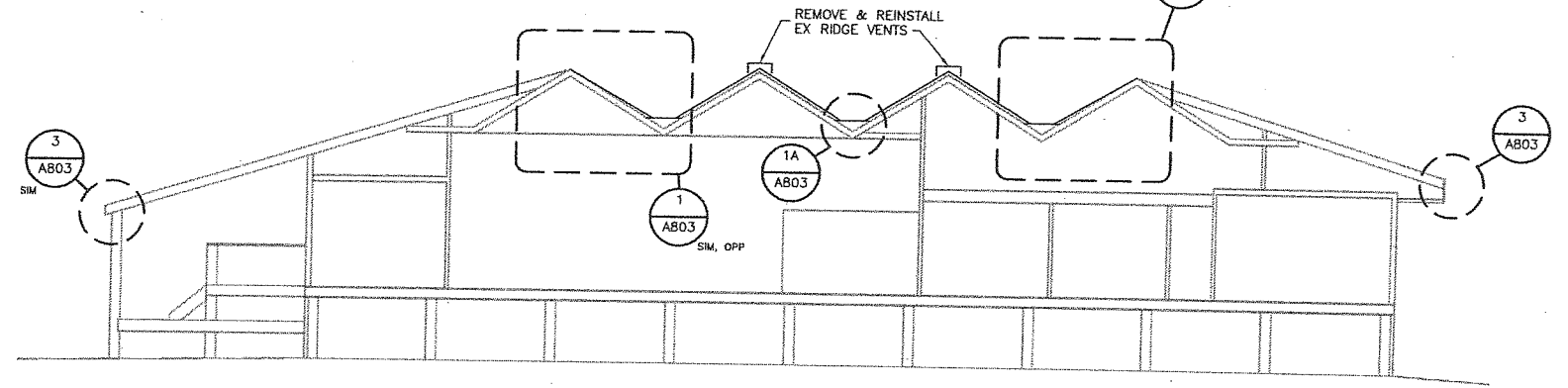
SHEET TITLE
RENOVATION
BLDG SECT/ ELEV
INTERMEDIATE
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

A301

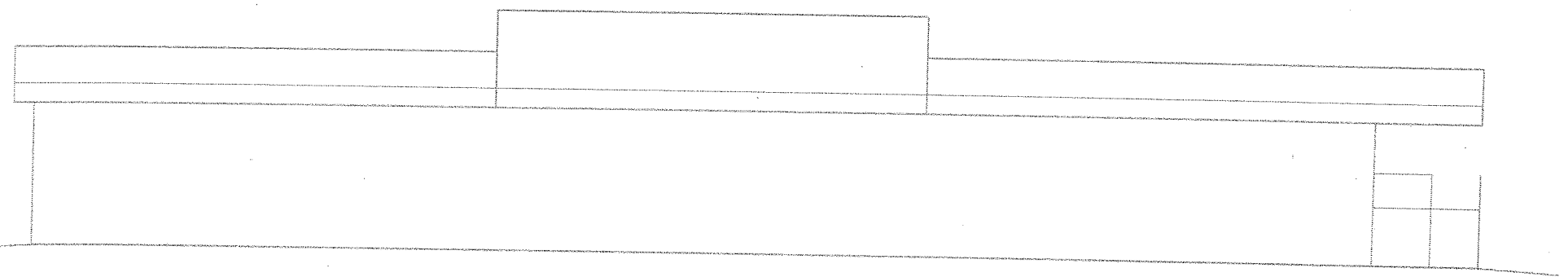
G:_Projects\0211\Cad\CD\Arch\A302.dwg, 04/01/03 10:31:12 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



1 PRIMARY SCHOOL BLDG SECTION/ELEVATION
SCALE: 0 4' 8' 16'

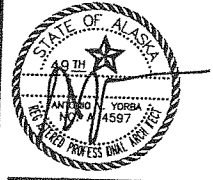


2 PRIMARY SCHOOL BLDG SECTION
SCALE: 0 4' 8' 16'



3 PRIMARY SCHOOL BLDG ELEVATION
SCALE: 0 4' 8' 16'

**Jensen
Yorba
Lott
Inc.**
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com



WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

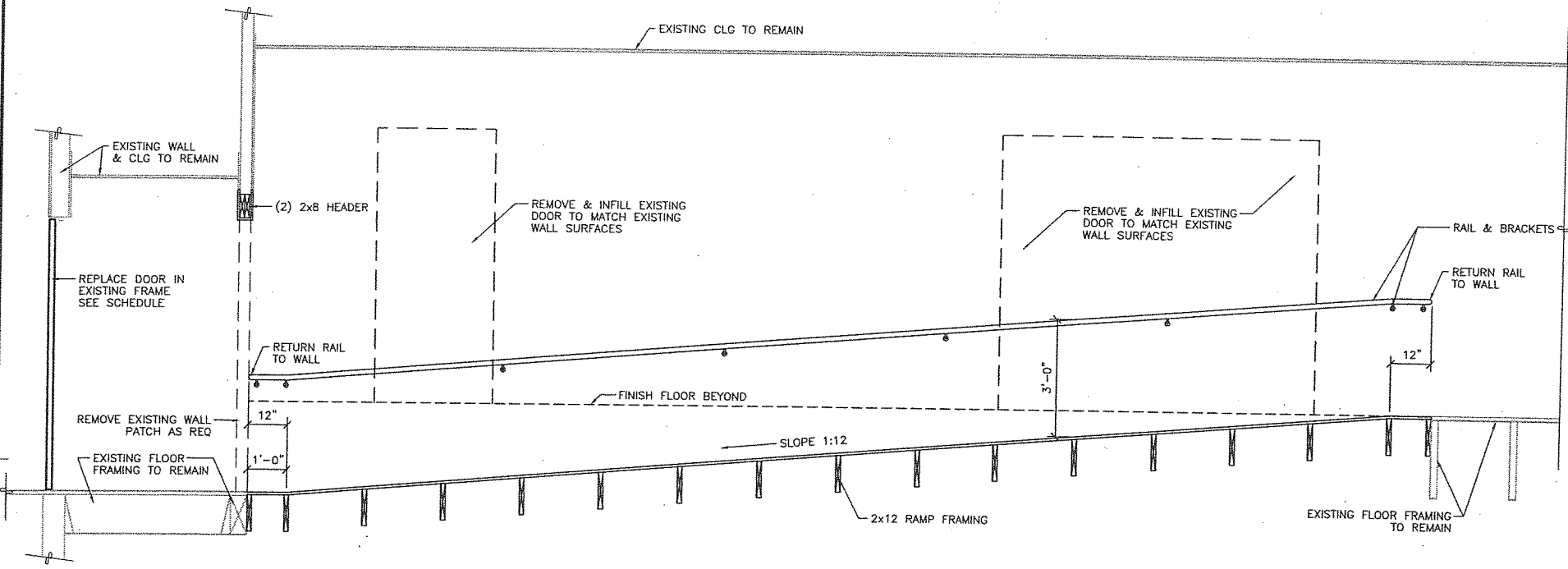
REVISIONS
△
△
△
△

SHEET TITLE
BLDG SECTIONS
ELEVATIONS
PRIMARY SCHOOL

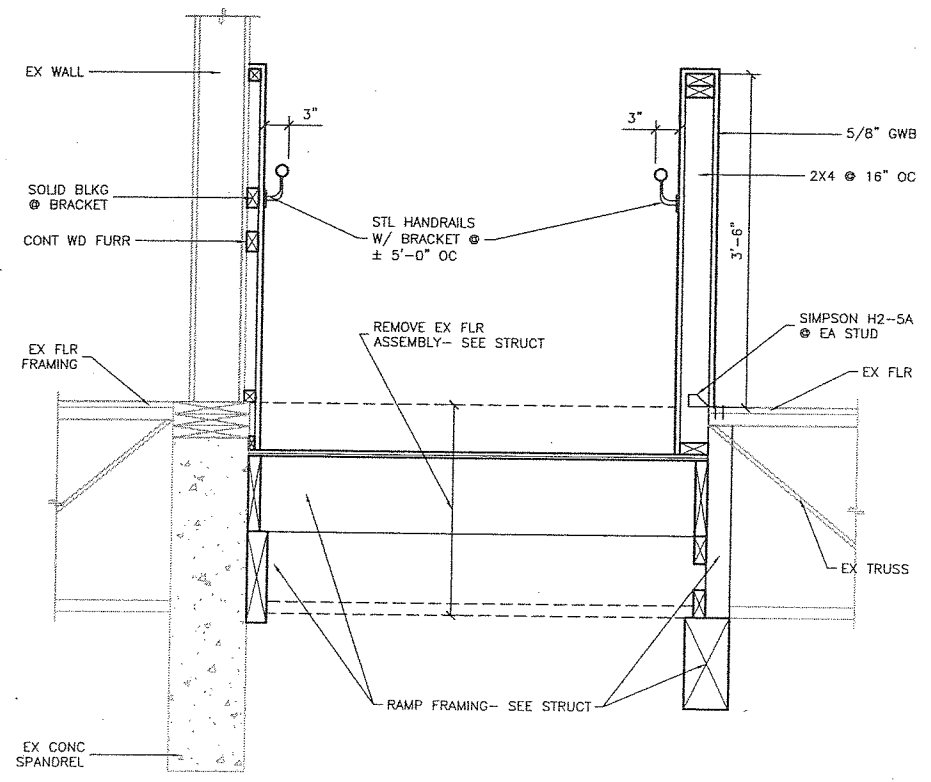
DATE: MARCH 21, 2003
FILE: 0211

A302

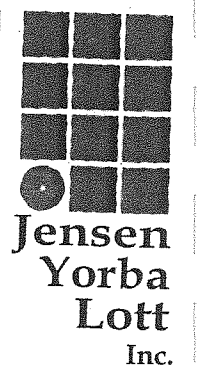
G:_Projects\0211\Cad\CD\Arch\A303.dwg, 04/01/03 10:31:25 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



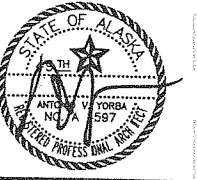
1 RAMP SECTION
0211/X_A303-1
SCALE: 0 1' 2' 4' 6'



2 SECTION @ RAMP
0211/X_A303-2
SCALE: 0 6" 1' 2' 3'



**Jensen
Yorba
Lott
Inc.**
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

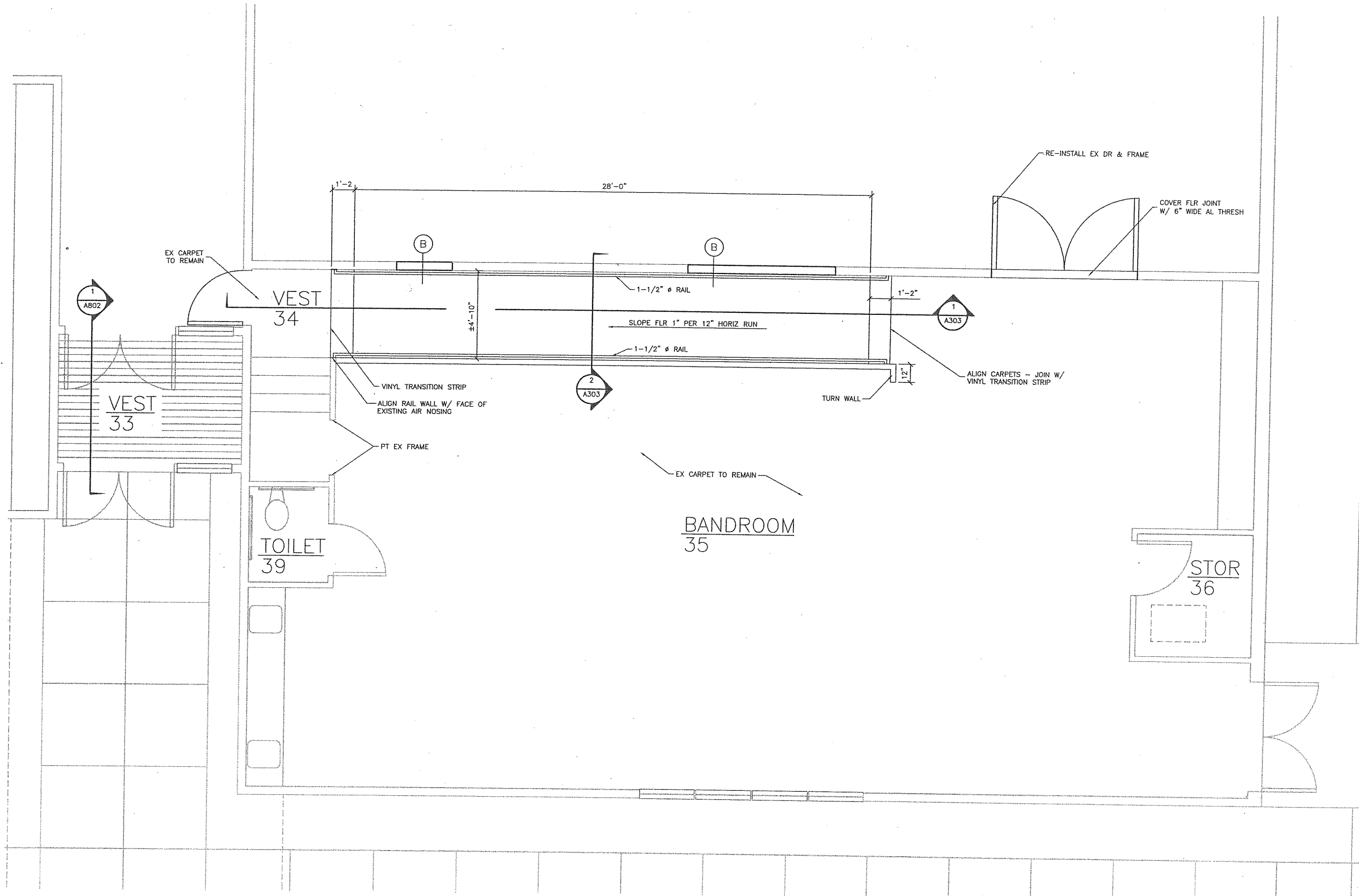
- REVISIONS
- △
 - △
 - △
 - △

SHEET TITLE
**INTERIOR
DETAILS**

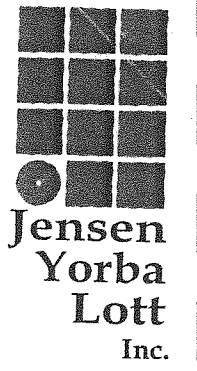
DATE: MARCH 21, 2003
FILE: 0211

A303

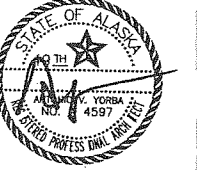
G:\Projects\0211\Cad\CD\Arch\A402.dwg, 04/01/03 10:31:52 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



1 ENLARGED DEMOLITION FLOOR PLAN INTERMEDIATE SCHOOL
 SCALE: 0 2' 4' 8'



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



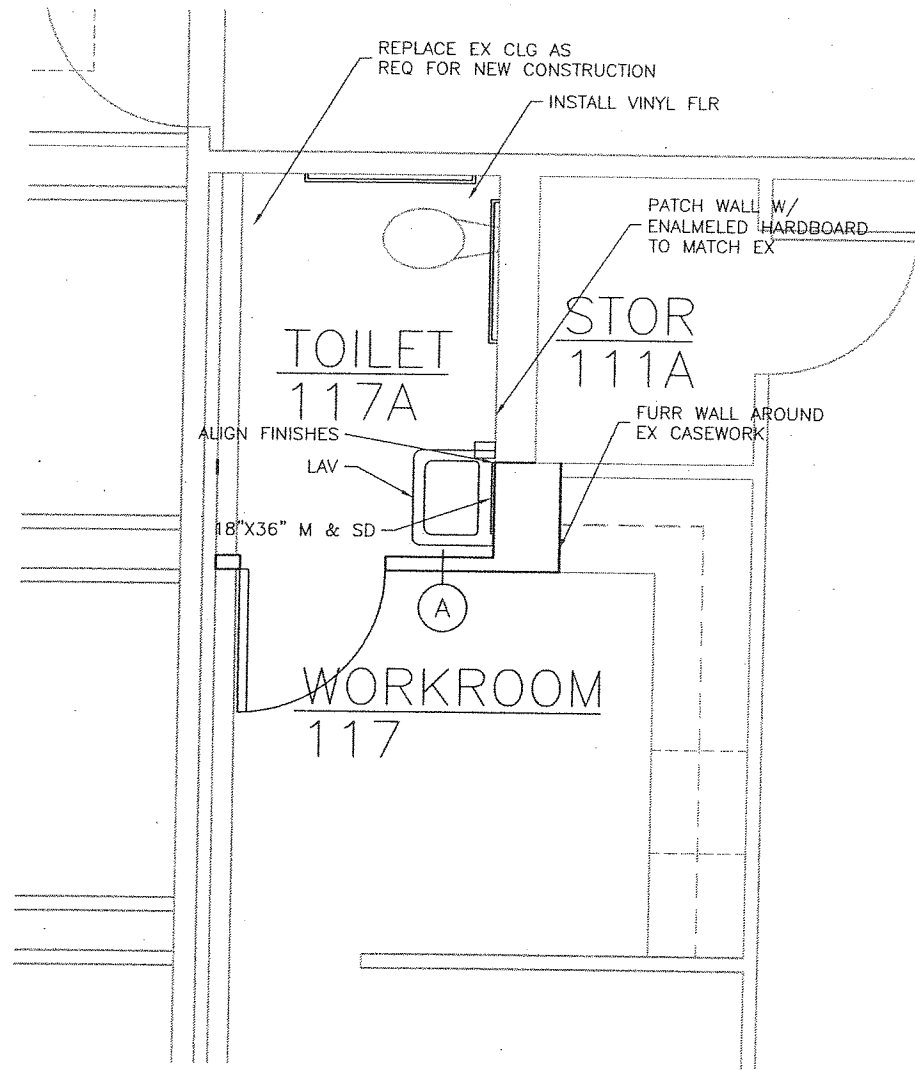
WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA

- REVISIONS
- △
 - △
 - △
 - △

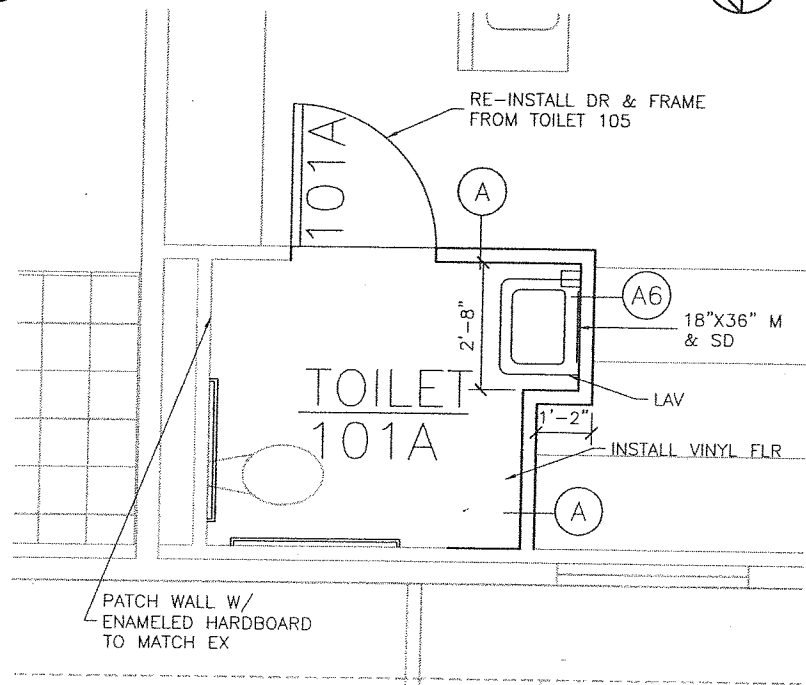
SHEET TITLE
 ENLARGED RENO
 FLOOR PLAN
 INTERMEDIATE
 SCHOOL
 DATE: MARCH 21, 2003
 FILE: 0211

A402

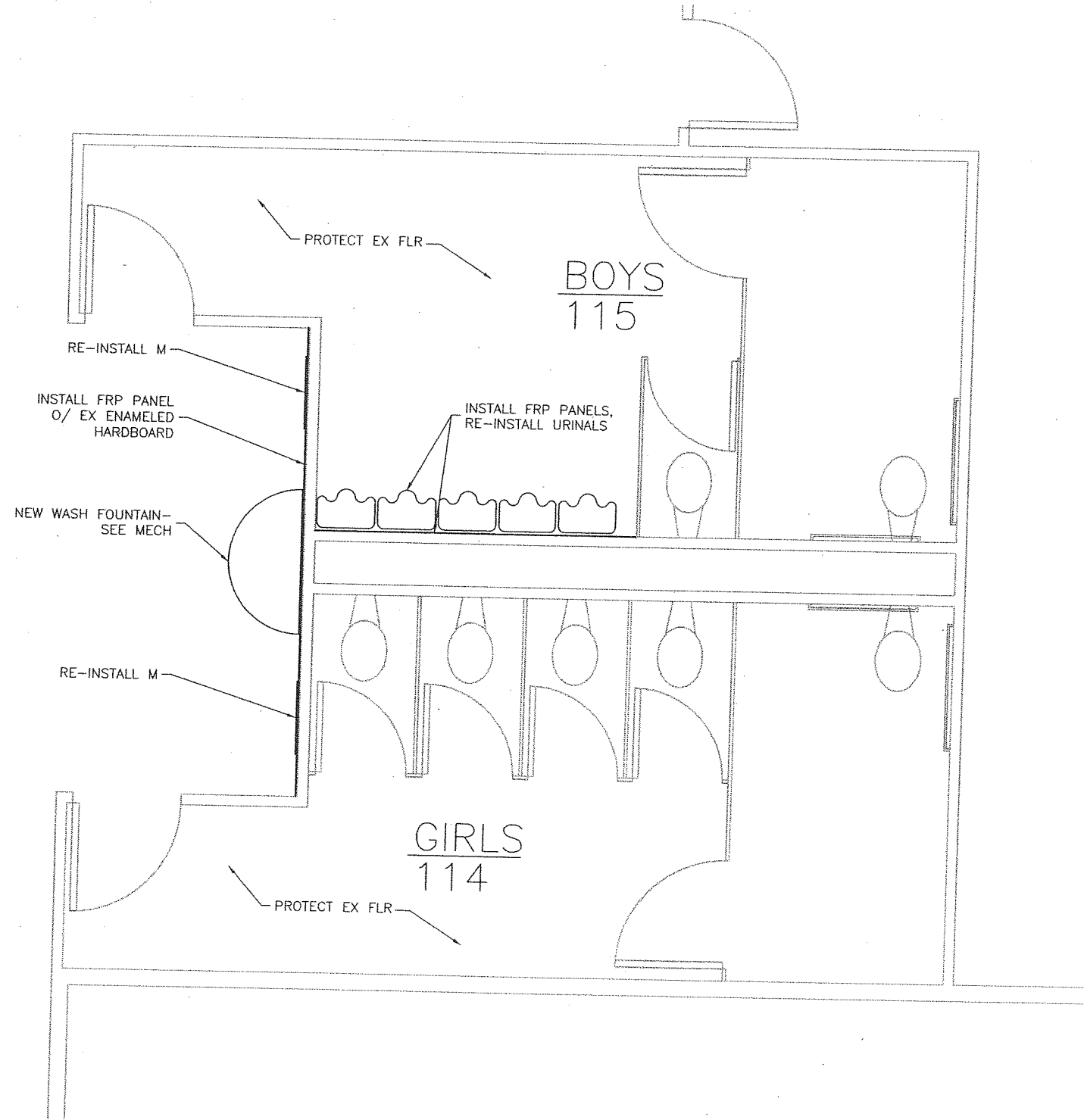
G:_Projects\0211\Cad\CD\Arch\A403.dwg, 04/01/03 10:32:04 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



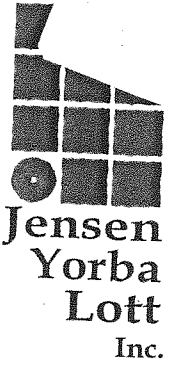
1 ENLARGED RENOVATION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



2 ENLARGED RENOVATION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



3 ENLARGED RENOVATION FLOOR PLAN
PRIMARY SCHOOL
SCALE: 0 1' 2' 4'



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

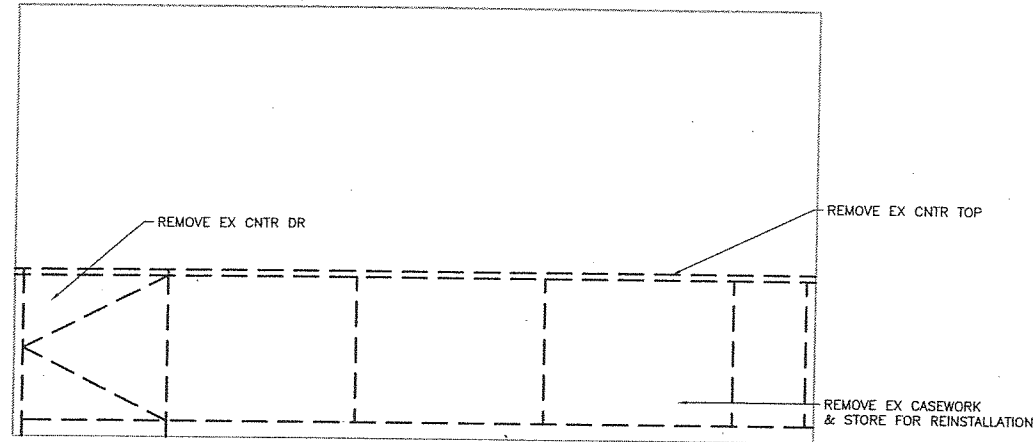


WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

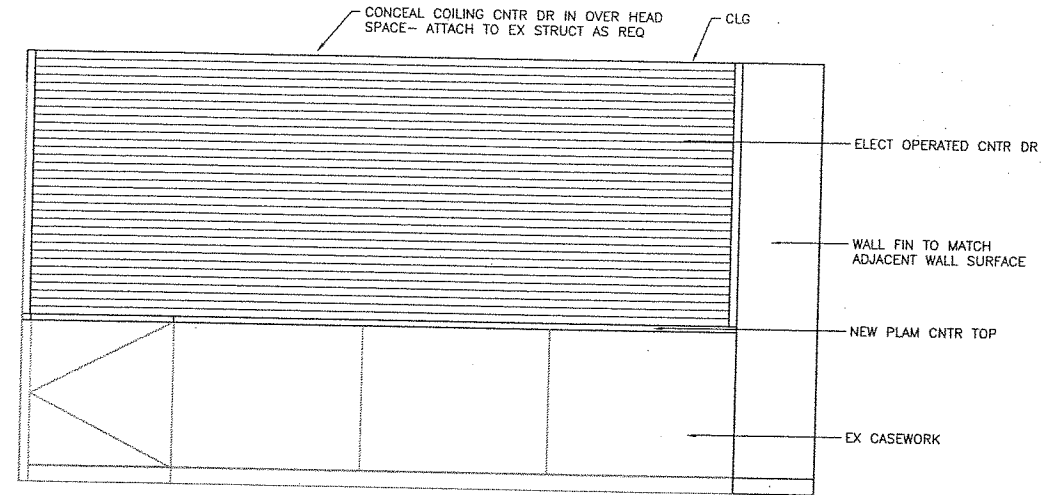
- REVISIONS
- △
 - △
 - △
 - △

SHEET TITLE
ENLARGED RENO
FLOOR PLAN
PRIMARY
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

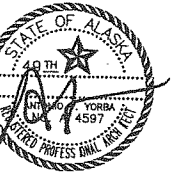
A403



1 DEMOLITION INTERIOR ELEVATION
LOBBY 02/WORK 09
SCALE: 0 1' 2' 4'



2 RENOVATION INTERIOR ELEVATION
LOBBY 02/WORK 09
SCALE: 0 1' 2' 4'



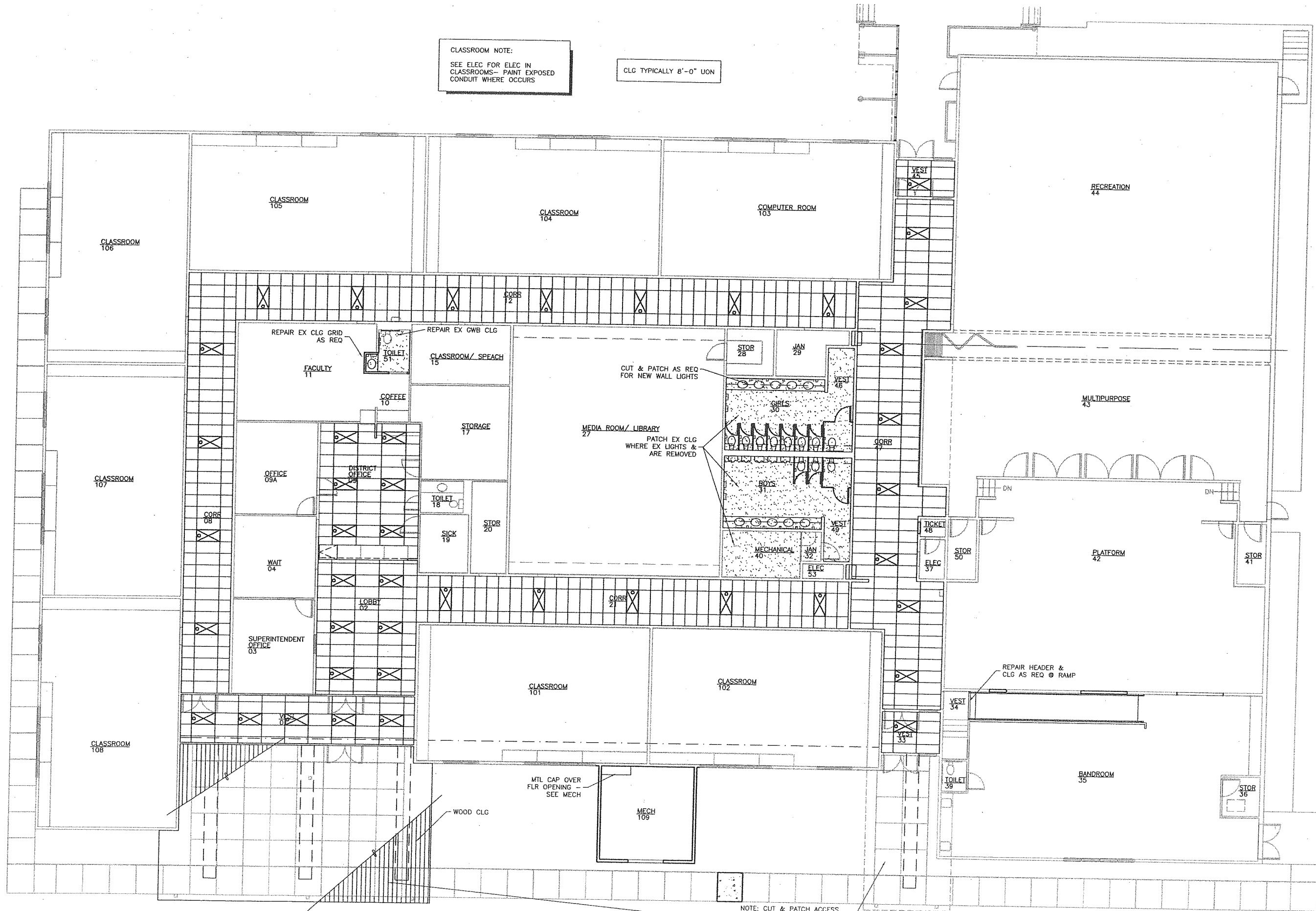
REVISIONS

- △
- △
- △
- △

SHEET TITLE
INTERIOR ELEV
INTERMEDIATE
SCHOOL

DATE: MARCH 21, 2003
FILE: 0211

G:\Projects\0211\Cad\CD\Arch\A601.dwg, 04/01/03 10:32:30 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002

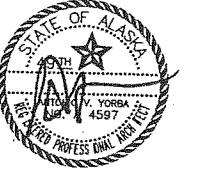


CLASSROOM NOTE:
SEE ELEC FOR ELEC IN CLASSROOMS - PAINT EXPOSED CONDUIT WHERE OCCURS

CLG TYPICALLY 8'-0" UON

1 RENOVATION REFLECTED CEILING PLAN INTERMEDIATE SCHOOL
SCALE: 0 4' 8' 16'

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbaloott.com

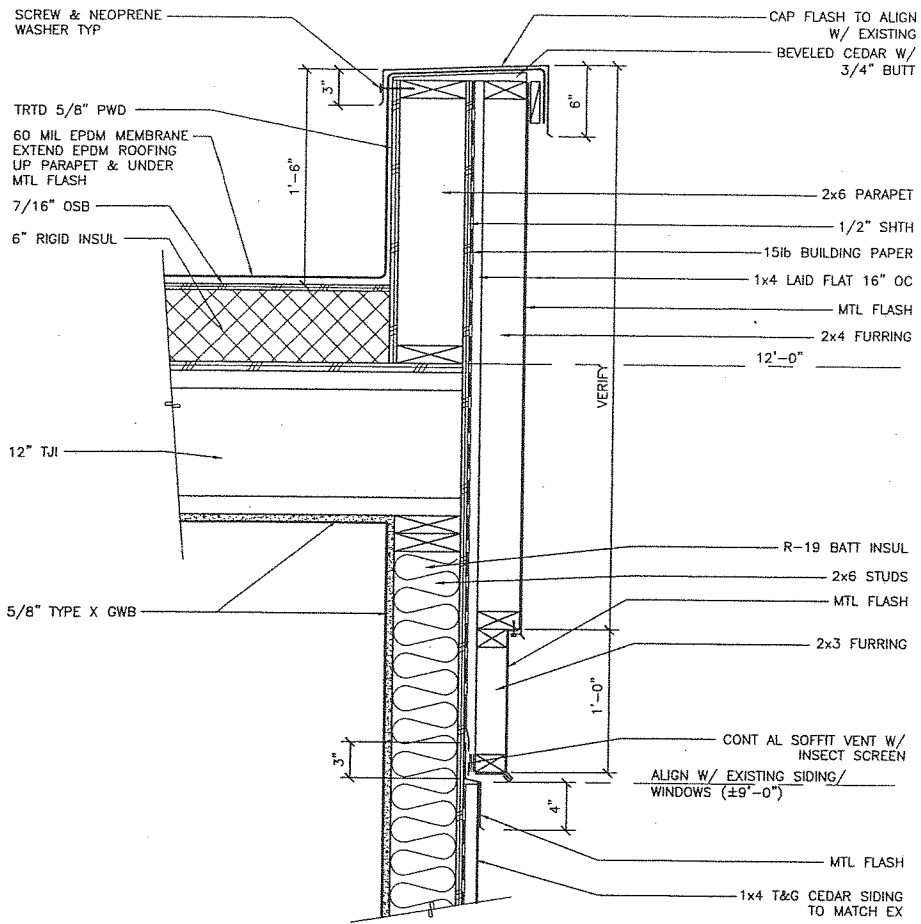


**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL /
PRIMARY SCHOOL
WRANGELL, ALASKA**

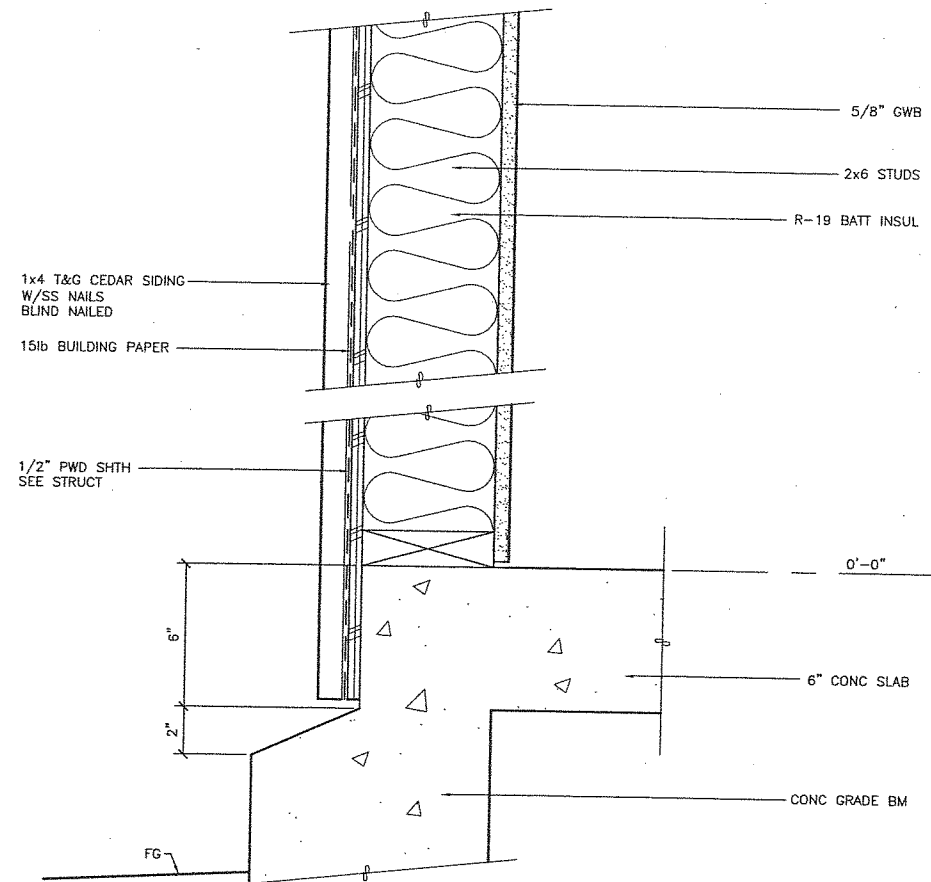
REVISIONS
△
△
△
△
SHEET TITLE
RENOVATION
RCP
INTERMEDIATE
SCHOOL
DATE: MARCH 21, 2003
FILE: 0211

A601

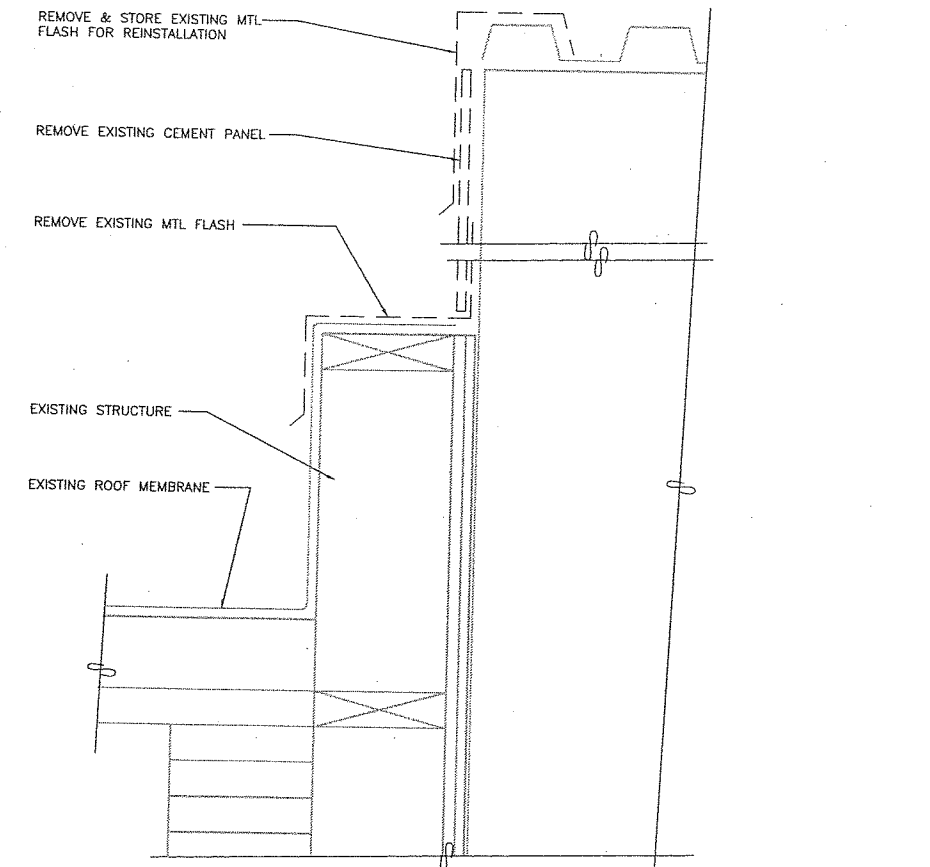
G:\Projects\0211\Cad\Arch\A801.dwg, 04/01/03 10:58:47 AM, dan. HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



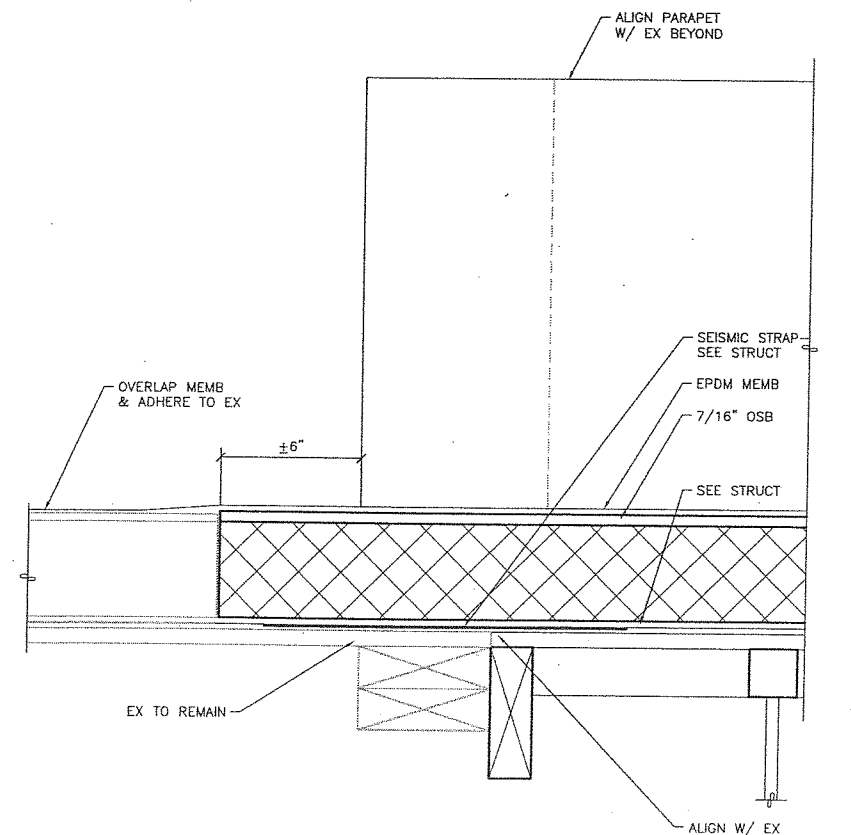
1 TYP PARAPET & FLASH DETAIL
0211/X_A801-1 SCALE: 0 6" 1' 2'



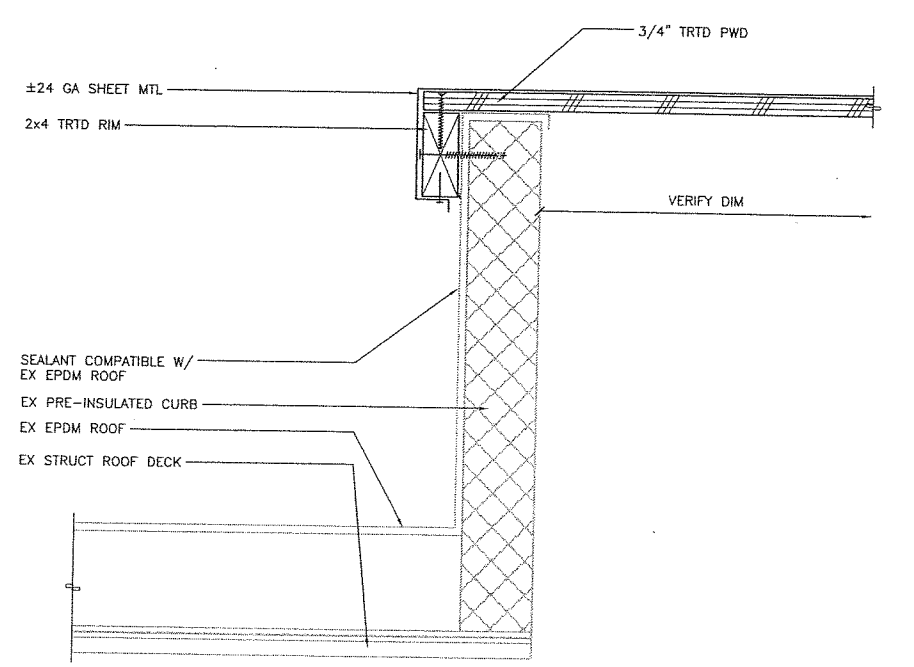
2 TYP WALL DETAIL
0211/X_A801-2 SCALE: 0 3" 6" 1'



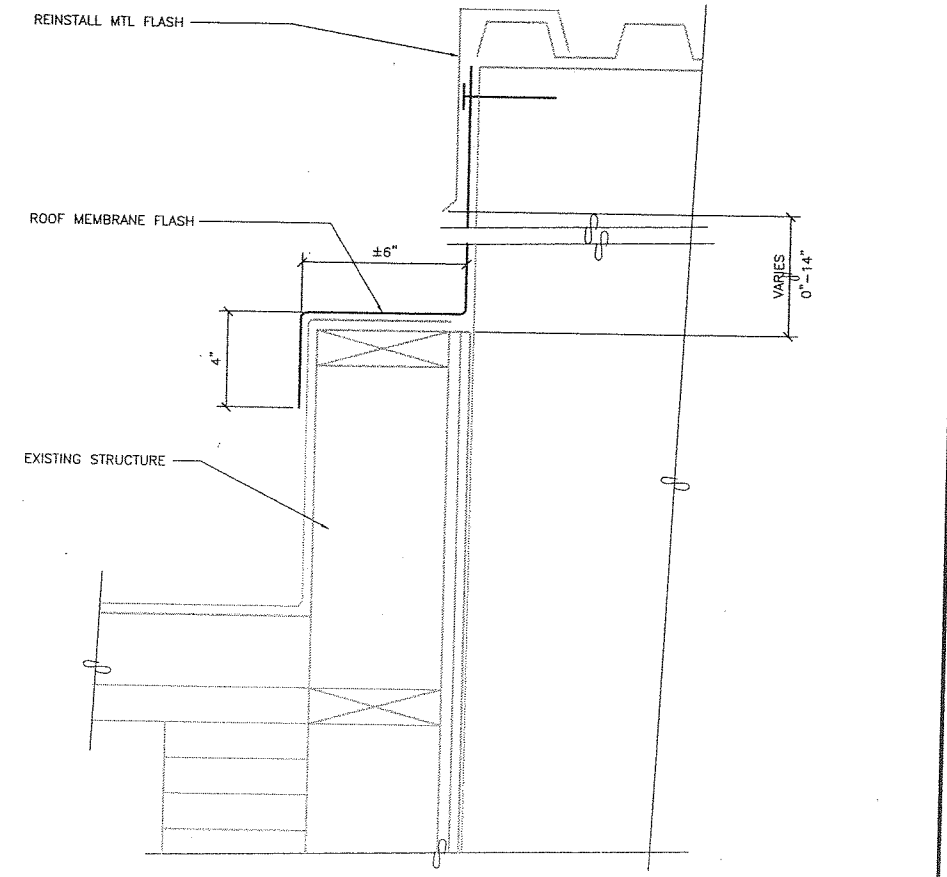
3 DEMO ROOF TO WALL FLASH
0211/X_A801-3 SCALE: 0 3" 6" 1'



4 ROOF CONNECTION
0211/X_A801-4 SCALE: 0 3" 6" 1'



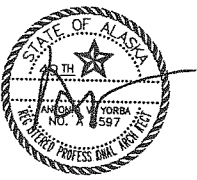
5 ROOF CAP
0211/X_A801-5 SCALE: 0 3" 6" 1'



6 ROOF TO WALL FLASH DETAIL
0211/X_A801-6 SCALE: 0 3" 6" 1'

Jensen Yorba Lott Inc.

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

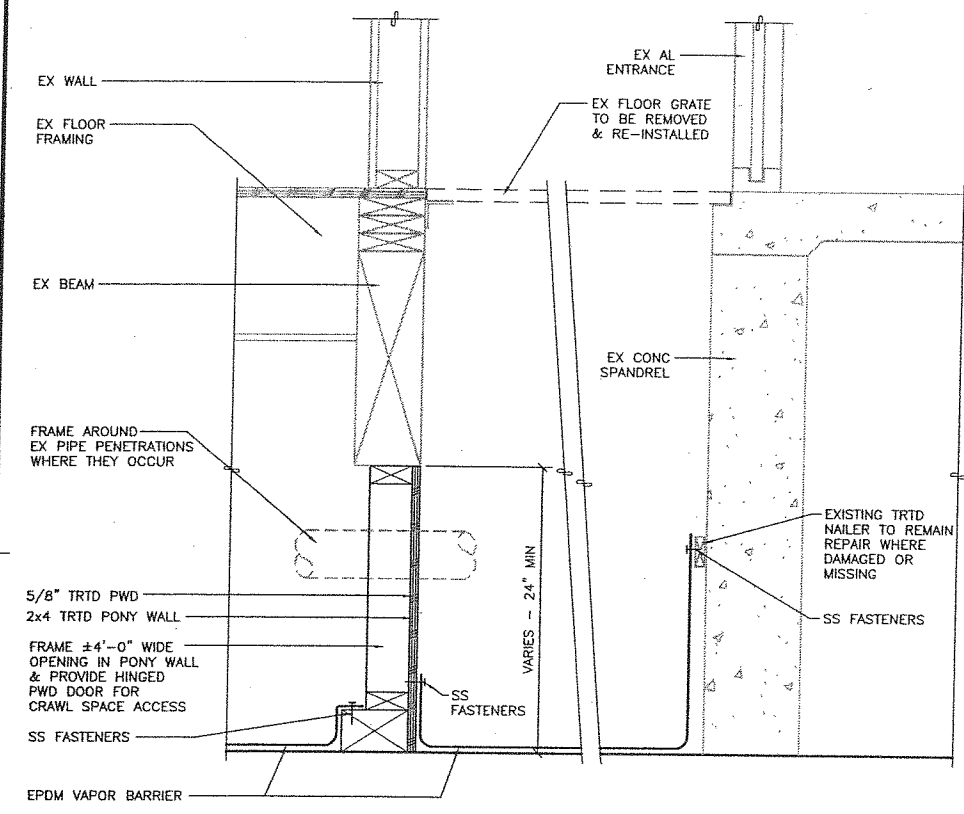
REVISIONS
▲
▲
▲
▲

SHEET TITLE
DETAILS

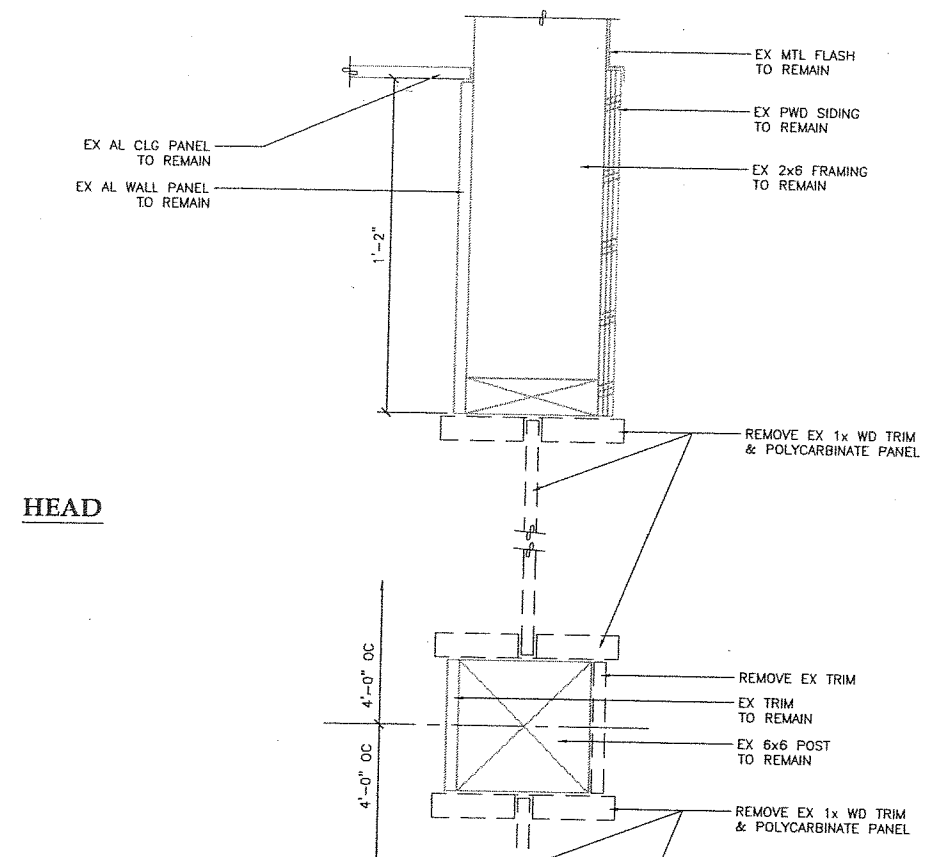
DATE: MARCH 21, 2003
FILE: 0211

A801

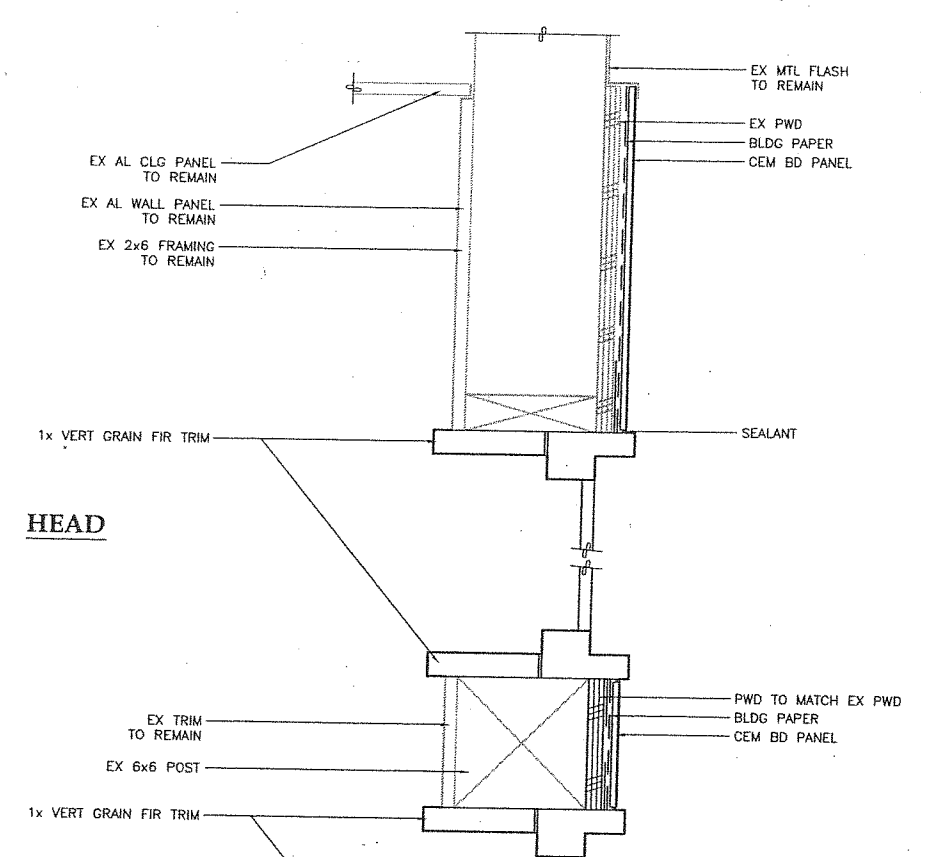
G:_Projects\0211\Cad\CD\Arch\A802.dwg, 04/01/03 10:59:16 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



1 FRAMING @ CRAWL SPACE
0211/X_AB02-1
SCALE: 0 6" 1' 2'

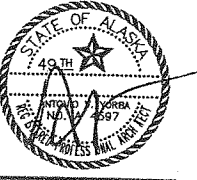


2 DEMO @ BREEZEWAY
0211/X_AB02-2
SCALE: 0 3" 6" 1'



3 WINDOW REPLACEMENT @ BREEZEWAY
0211/X_AB02-3
SCALE: 0 3" 6" 1'

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

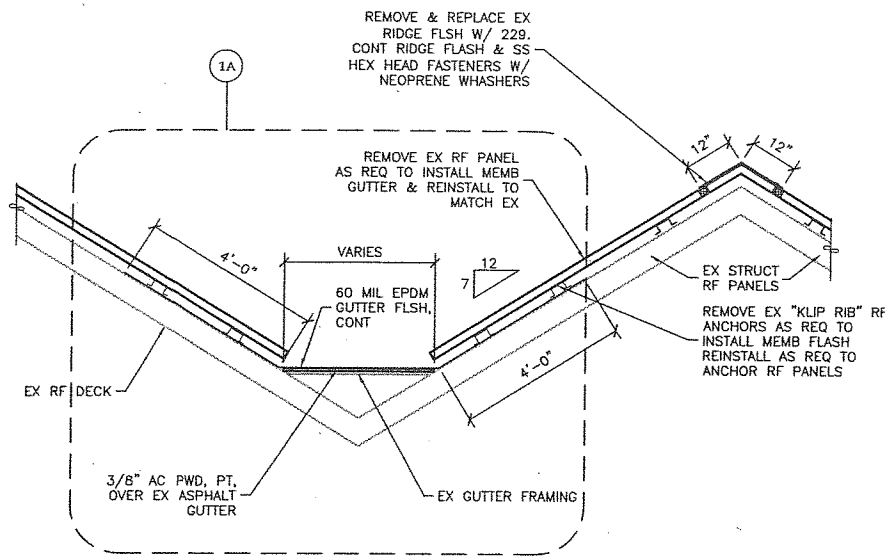
- REVISIONS
- △
 - △
 - △
 - △

SHEET TITLE
DETAILS

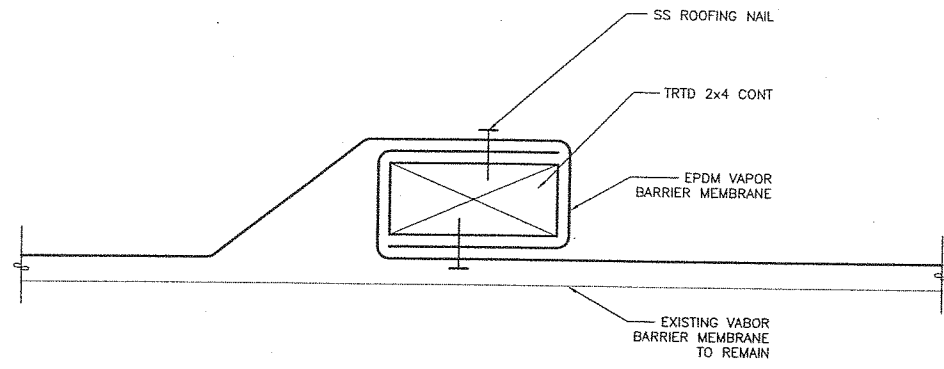
DATE: MARCH 21, 2003
FILE: 0211

A802

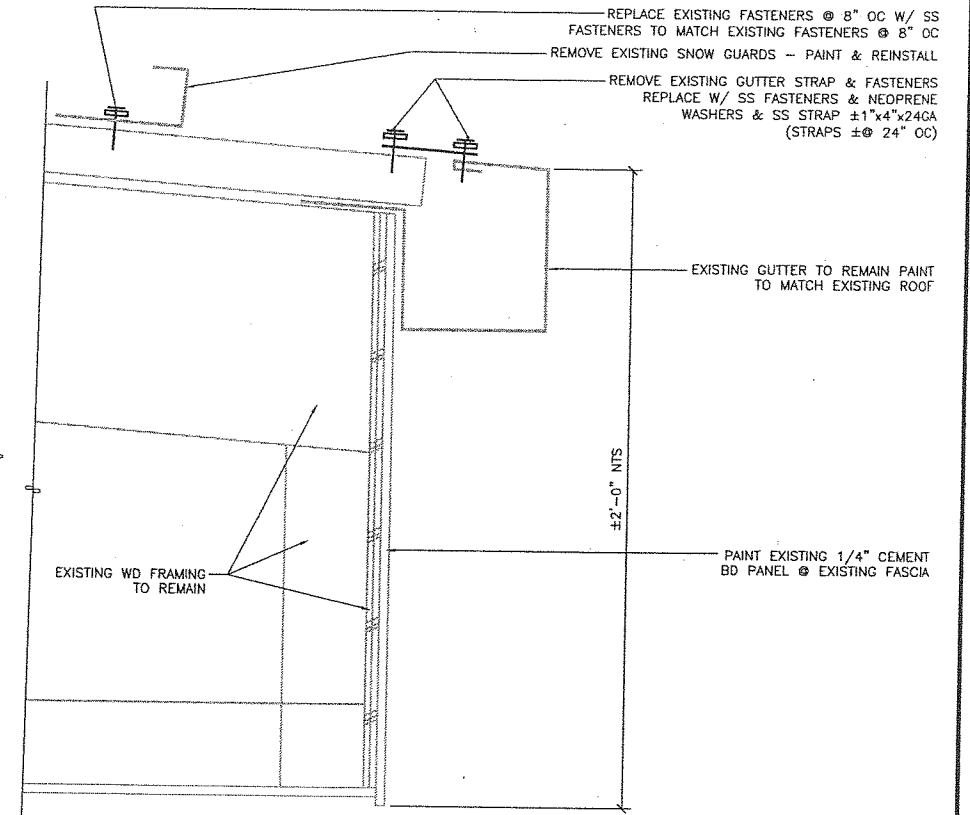
G:\Projects\0211\Cad\Arch\A803.dwg, 04/01/03 10:59:03 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



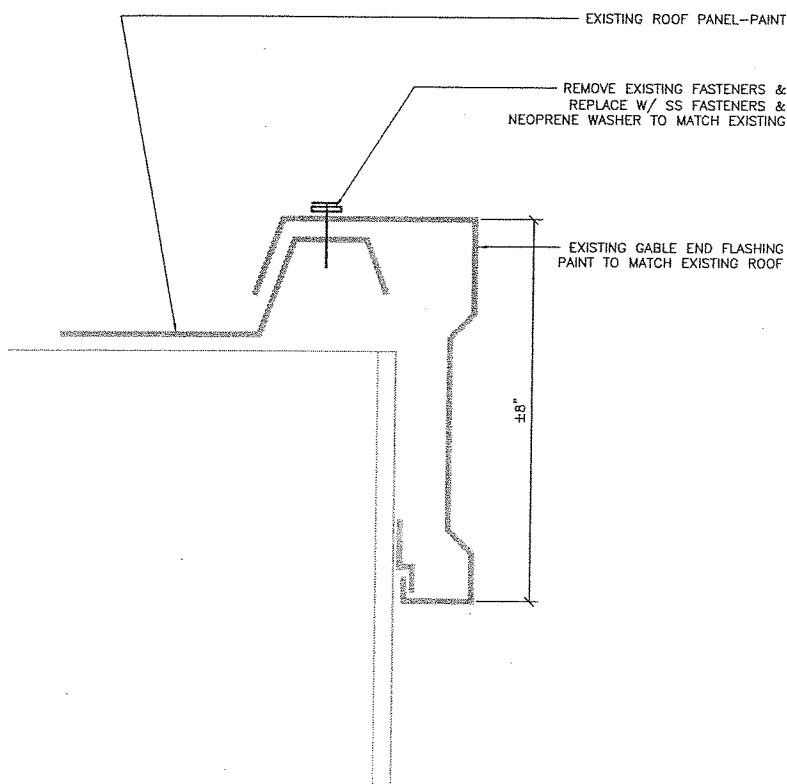
1A
1 SECTION @ GUTTER REPLACEMENT
0211/X_A803-1 SCALE: 0 1' 2' 4' 6'



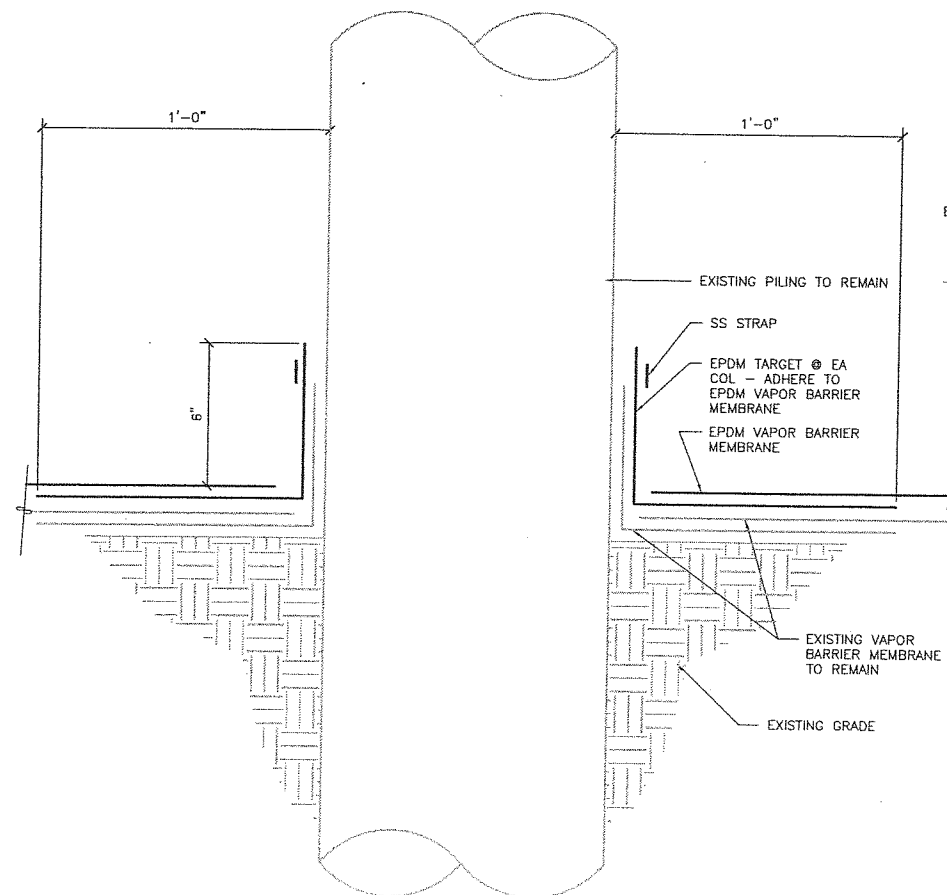
2 VAPOR BARRIER SEAM
0211/X_A803-2 SCALE: 0" 1" 2" 4"



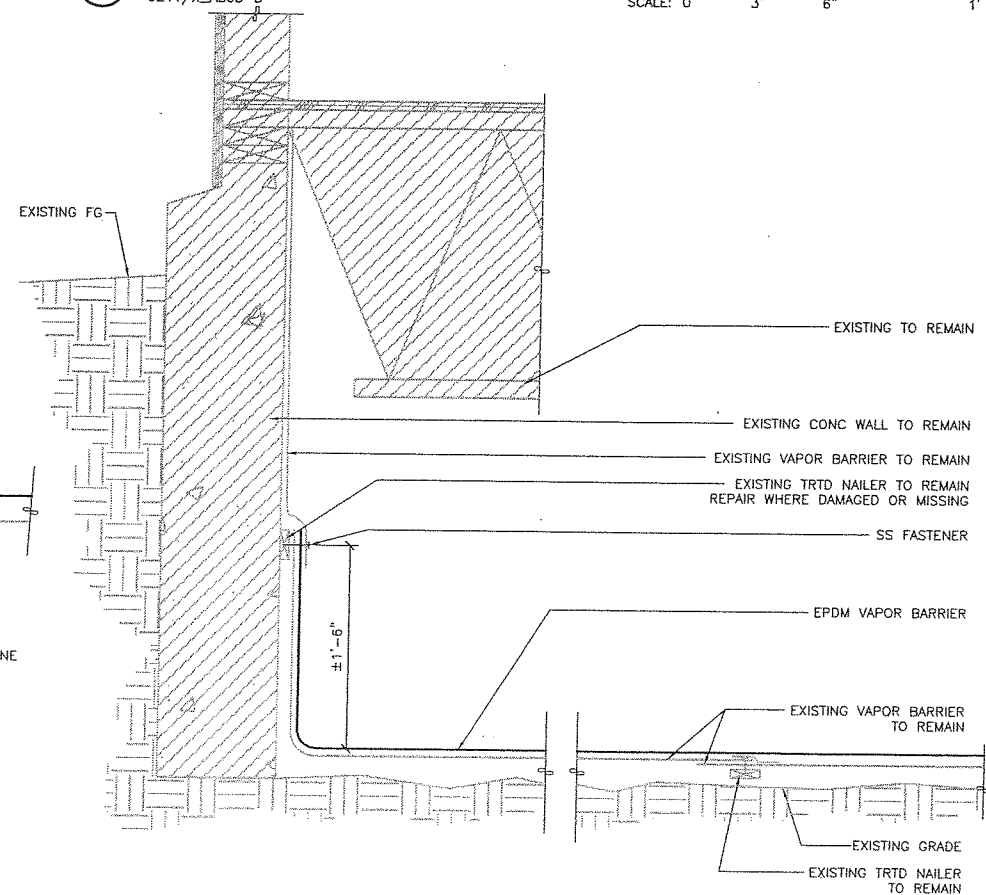
3 EAVE DETAIL
0211/X_A803-3 SCALE: 0 3" 6" 1'



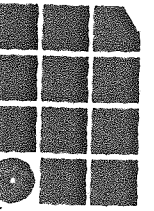
4 GABLE END FLASHING
0211/X_A803-4 SCALE: 0" 1" 2" 4"



5 VAPOR BARRIER PILING
0211/X_A803-5 SCALE: 0 3" 6" 1'



6 VB @ EXISTING PERIMETER WALL
0211/X_A803-6 SCALE: 0 6" 1' 2'



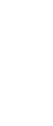
**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

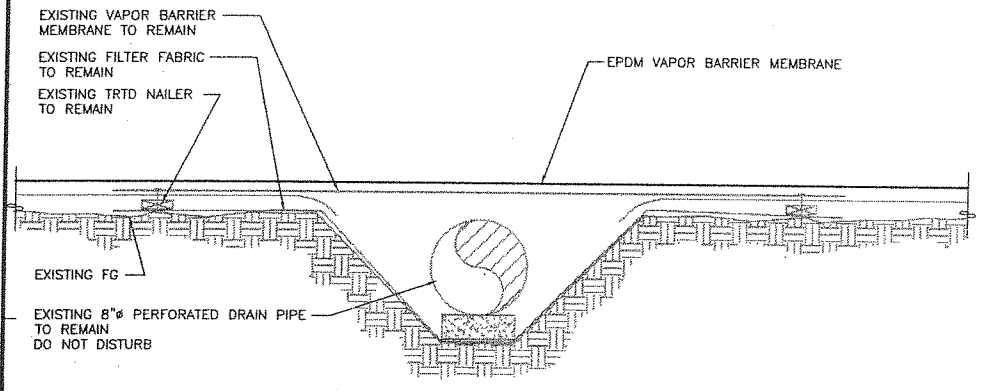


SHEET TITLE
DETAILS

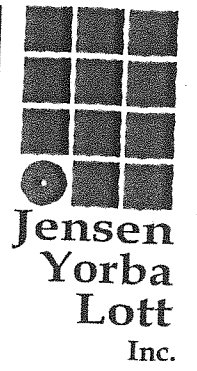
DATE: MARCH 21, 2003
FILE: 0211

A803

G:_Projects\0211\Cad\CD\Arch\A804.dwg, 04/01/03 10:59:29 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



1 VAPOR BARRIER @ EX TRENCH DRAIN
 0211/X_A804-1
 SCALE: 0 6" 1' 2'



**Jensen
Yorba
Lott
Inc.**
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbalott.com



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

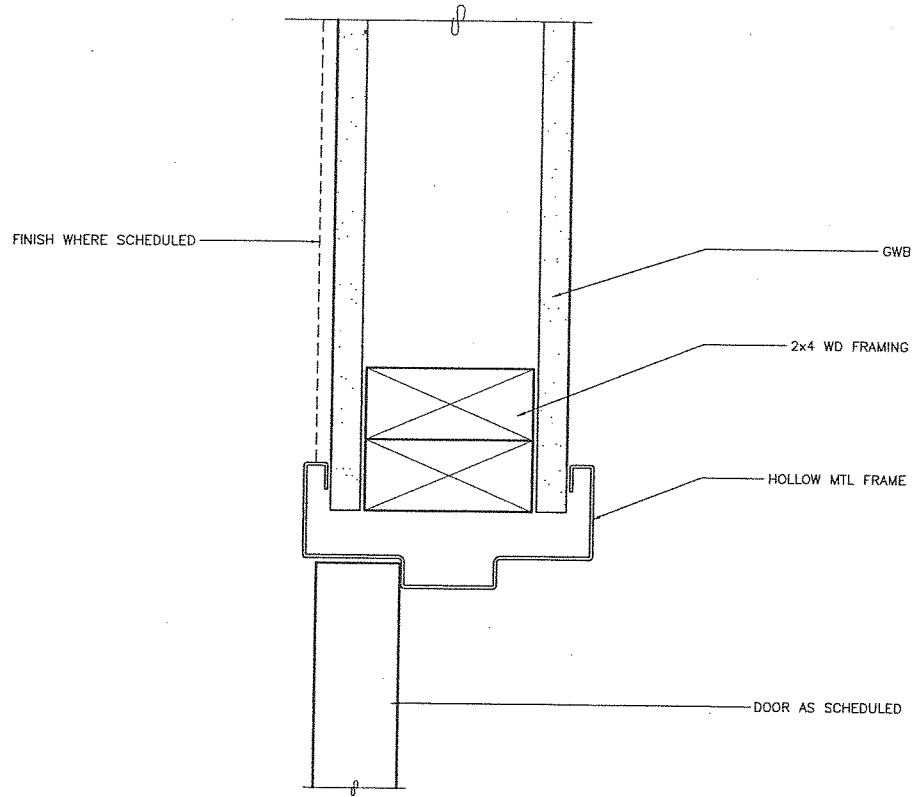
REVISIONS
 △
 △
 △
 △

SHEET TITLE
 DETAILS

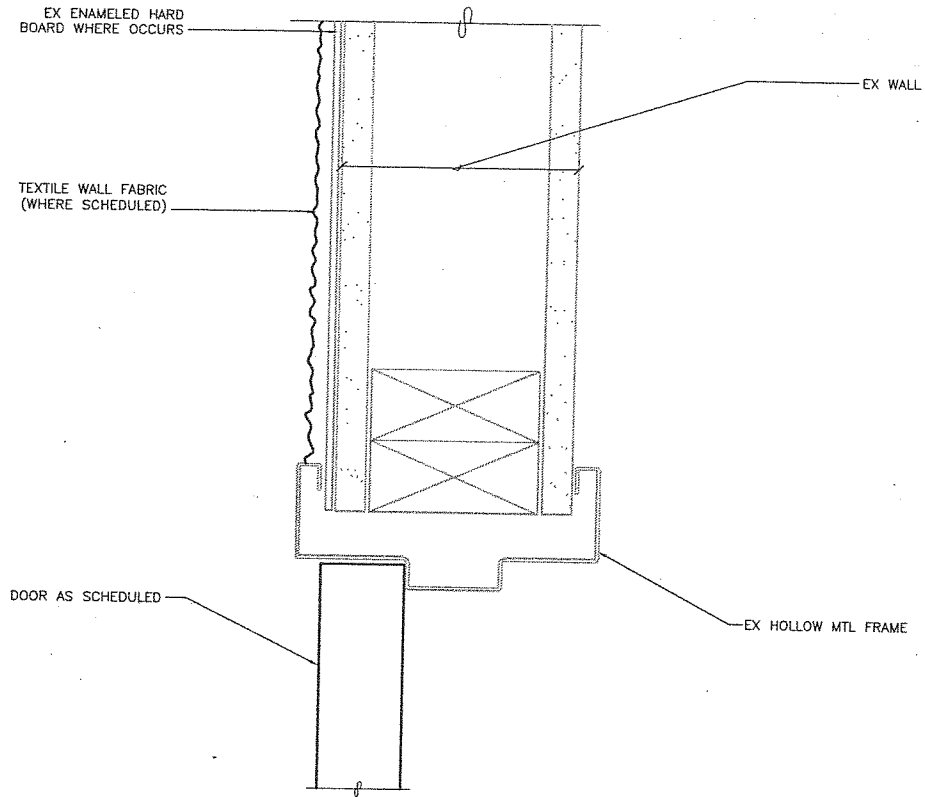
DATE: MARCH 21, 2003
 FILE: 0211

A804

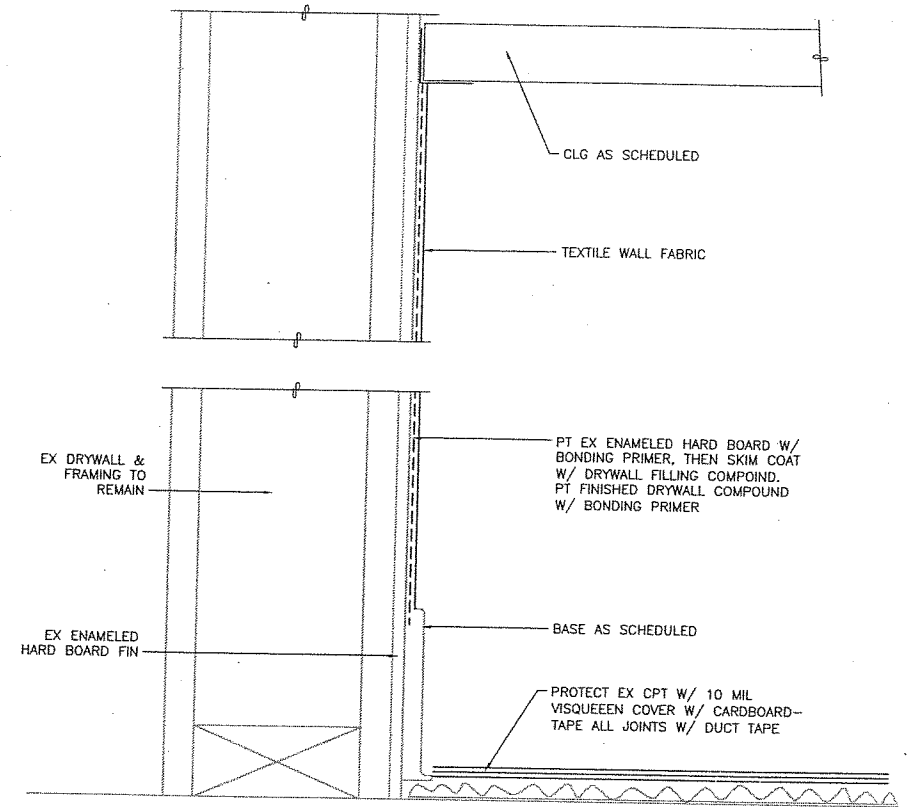
G:_Projects\0211\Cad\CD\Arch\A901.dwg, 04/01/03 10:27:52 AM, dan, HP LaserJet 5000 GN PCL 6.pc3, 11x17, AutoCAD 2002



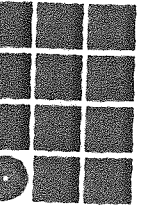
1 INT DOOR HEAD (JAMB SIM)
0211/X_A901-1
SCALE: 0 3" 6"



2 INT DOOR HEAD (JAMB SIM)
0211/X_A901-2
SCALE: 0 3" 6"



3 TYPICAL CORRIDOR
0211/X_A901-3
SCALE: 0 3" 6"



**Jensen
Yorba
Lott
Inc.**

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



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

- REVISIONS
- △
 - △
 - △
 - △

SHEET TITLE
INTERIOR
DETAILS

DATE: MARCH 21, 2003
FILE: 0211

A901

STRUCTURAL GENERAL NOTES

CODE
CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL BUILDING CODE (IBC), 2000 EDITION AS AMENDED BY THE CITY OF WRANGELL.

LOAD CRITERIA:

SNOW LOAD 50 PSF
FLOOR LIVE LOAD 100 PSF OR EQUIPMENT LOADS
WIND LOAD 120 MPH, EXPOSURE C, $I_w = 1.15$
SEISMIC LOAD SITE CLASS D, USE GROUP III, CATEGORY D; $I_e = 1.25$, $S_{DS} = 0.18g$, $S_{D1} = 0.22g$, $R = 6$

FOUNDATION

NO FOUNDATION INVESTIGATION WAS PERFORMED FOR THIS PROJECT. THE ADJACENT BUILDING IS SUPPORTED ON TIMBER PILING. SITE IS BELIEVED TO BE UNDERLAIN WITH PEAT. HELICAL PIERS SHALL BE INSTALLED UNTIL FIRM BEARING IS ACHIEVED MEETING THE CAPACITY AS SPECIFIED ON THE DRAWINGS. HELICAL PIERS SHALL BE AS MANUFACTURED BY THE A.B. CHANCE COMPANY OR APPROVED.

CONCRETE

MIXING AND PLACING OF CONCRETE AND SELECTION OF MATERIALS SHALL BE IN ACCORDANCE WITH THE IBC. PROPORTIONS OF AGGREGATE TO CEMENT SHALL BE SUCH TO PROVIDE A DENSE WORKABLE MIX WHICH CAN BE PLACED WITHOUT EXCESS FREE SURFACE WATER. MIX DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO USE. MAXIMUM SLUMP AND MINIMUM CEMENT CONTENT SHALL BE AS FOLLOWS FOR VARIOUS CONCRETE STRENGTHS (f_c), BASED ON STANDARD 28-DAY CYLINDER TESTS.

LOCATION	f_c (psi)	MIN. SACKS OF CEMENT PER C.Y. OF CONCRETE	MAX. W/C	MAX. SLUMP
ALL	3,500	5.0	0.50	4"

ALL CONCRETE TRUCKS DELIVERING PRE-MIXED CONCRETE TO THE SITE SHALL HAVE BATCH TICKETS IDENTIFYING MIX CEMENT CONTENT, WATER CONTENT, ADMIXTURES, AMOUNT OF WATER ALLOWED TO BE ADDED AT THE SITE, TIME OF MIXING, TIME OF ARRIVAL AT SITE AND TIME OF PLACEMENT.

REINFORCING STEEL

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60. LAP REINFORCING 40 DIAMETERS MINIMUM LENGTH AT SPLICES. REINFORCING STEEL DETAILS SHALL BE PREPARED BY AN EXPERIENCED DETAILER, CONFORMING TO STANDARD PRACTICE AS OUTLINED IN ACI 315 AND 315R. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW PRIOR TO STARTING FABRICATION. REINFORCING SHALL BE SUPPORTED ON WELL-CURED BLOCKS OR APPROVED METAL ACCESSORIES. WELDING OF REINFORCING BARS IS PROHIBITED, EXCEPT WHERE APPROVED BY THE CONTRACTING OFFICER. PROVIDE MINIMUM CONCRETE COVER ON REINFORCING BARS AS FOLLOWS:

CAST AGAINST EARTH 3", WHERE EXPOSED TO WEATHER OR EARTH 2", SLAB 1 1/2".

LUMBER

ALL WORKMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE UBC CHAPTER 23. ALL SAWN LUMBER SHALL BE VISUALLY GRADED IN ACCORDANCE WITH THE W.W.P.A. GRADING RULES, LATEST EDITION. MOISTURE CONTENT SHALL BE 19 PERCENT MAXIMUM. LUMBER SHALL MEET THE FOLLOWING GRADATIONS:

2X STUDS, PLATES, HEADERS AND SILLS HEM FIR NO 2
4X AND 6X BEAMS, RAFTERS AND POSTS DOUGLAS FIR NO 1

PARALLEL STRAND LUMBER SHALL HAVE THE FOLLOWING PROPERTIES:

$E = 1.5 \times 10^6$ PSI, $F_b = 2250$ PSI, $F_v = 400$ PSI, F_c PERP = 475 PSI,
 F_c PARALLEL = 1950 PSI.

JOIST SIZES LISTED ARE BASED UPON THE LOAD CHARTS AND INFORMATION PROVIDED BY THE TRUSS JOIST CORPORATION. SUBMITTALS FOR SUBSTITUTIONS SHALL INCLUDE AN ICBO EVALUATION REPORT INDICATING EQUAL OR BETTER PERFORMANCE CHARACTERISTICS.

LUMBER AND FRAMING DESIGNATED AS P/T ON THE PLANS SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWWA C-2, FOR SOIL AND FRESH WATER CONTACT, AND BEAR THAT QUALITY MARK.

WOOD CONNECTIONS AND FRAMING

ALL FRAMING NAILING SHALL CONFORM TO TABLE 2304.9.1 THE IBC UNLESS OTHERWISE NOTED. STANDARD WASHERS SHALL BE UNDER ALL BOLT HEADS AND NUTS CONTACTING WOOD. BOLTS CONNECTING TIMBER SHALL CONFORM TO ASTM A307. ALL BOLTS, NUTS, AND WASHERS SHALL BE GALVANIZED. NAILS SHALL BE STANDARD GALVANIZED COMMON NAILS. ALL METAL HANGERS AND CONNECTORS SHALL BE FULLY BOLTED OR NAILED. METAL HANGERS AND CONNECTORS SHOWN ON THE PLANS ARE AS MANUFACTURED BY THE SIMPSON COMPANY. METAL HANGERS OR CONNECTORS BY OTHER MANUFACTURERS MAY BE CONSIDERED WHERE LOAD CAPACITY AND DIMENSIONS ARE EQUAL OR BETTER. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. SUBMIT ICBO EVALUATION REPORT WITH REQUEST FOR SUBSTITUTION.

SHEATHING

ALL SHEATHING SHALL BE STANDARD SHEATHING AS GRADED AND RATED BY THE AMERICAN PLYWOOD ASSOCIATION AND BEAR THAT MARK. ALL SHEATHING SHALL BE MADE WITH EXTERIOR TYPE GLUE. PLYWOOD SHALL CONFORM TO APA PS1 AND ORIENTED STRAND BOARD SHALL CONFORM TO APA PS2.

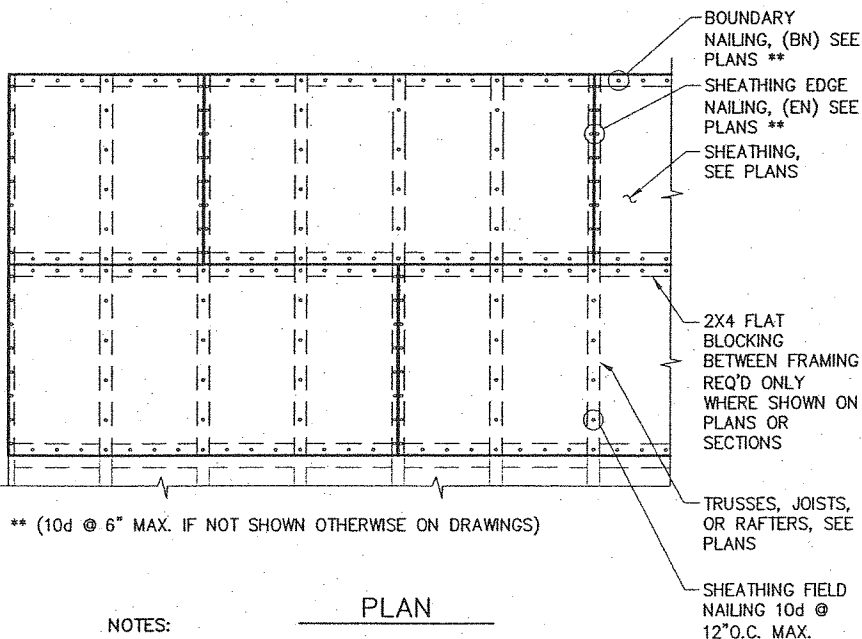
SHOP DRAWINGS

THE CONTRACTOR SHALL REVIEW, STAMP WITH HIS APPROVAL, DATE AND SIGN ALL SHOP DRAWINGS REQUIRED BY THE CONTRACT DOCUMENTS PRIOR TO SUBMITTAL TO THE ENGINEER. AT THE TIME OF SUBMISSION, THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION IN THE SHOP DRAWINGS FROM THE REQUIREMENTS OF THE CONTRACT DRAWINGS.

MISCELLANEOUS

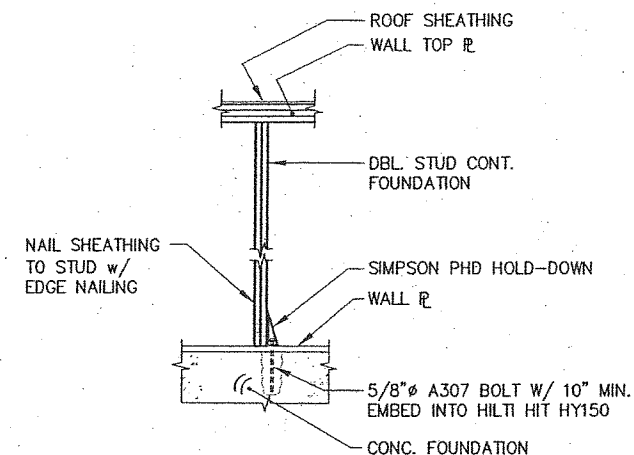
REFER TO ARCHITECTURAL PLANS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN. CONSULT MECHANICAL PLANS FOR SIZE AND LOCATION OF ALL OPENINGS FOR DUCTS, PIPING, ETC. NOT SHOWN.

BEARING WALL SCHEDULE		
MARK	STUDS	SPACING
(A)	(2) 2x6	2'-0"
(B)	2x6	2'-0"

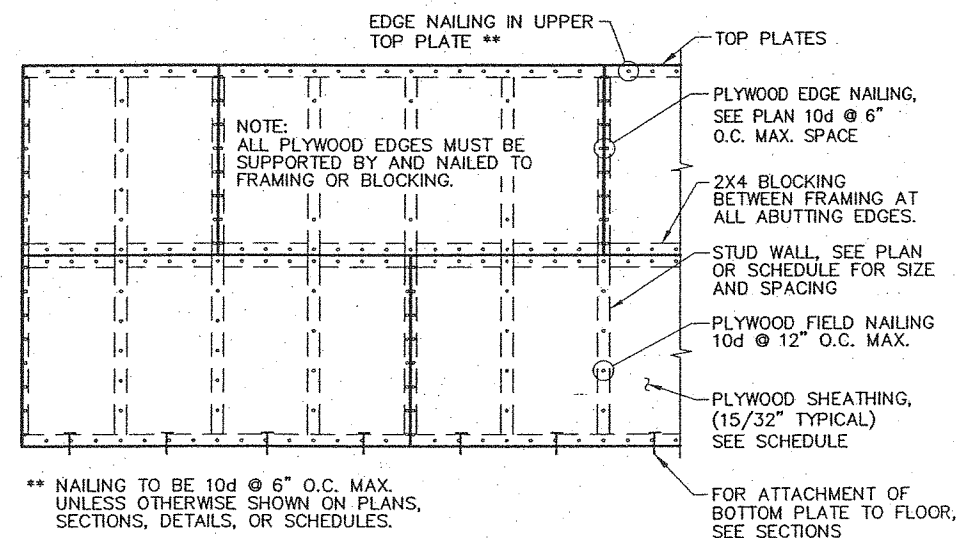


- PLAN
- NOTES:
1. STAGGER SHEATHING JOINTS A MINIMUM OF TWO JOIST SPACES.
 2. NAILS AT ABUTTING SHEATHING EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.

B TYPICAL PLYWOOD DIAPHRAGM FOR ROOF DETAIL



A SHEAR WALL "A" HOLD-DOWN DETAIL
(TYPICAL AT ALL DOOR OPENINGS)

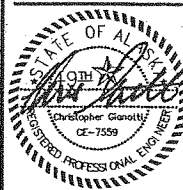


- ELEVATION
- NOTES:
1. PLYWOOD IS SHOWN HORIZONTAL, IT MAY ALSO BE POSITIONED VERTICAL
 2. STAGGER PLYWOOD JOINTS A MINIMUM OF TWO STUD SPACES.
 3. NAILS AT ABUTTING PLYWOOD EDGES MUST PENETRATE THE SAME PIECE OF FRAMING OR BLOCKING.
 4. SEE TYPICAL WALL ELEVATIONS AND PLANS FOR HOLD DOWNS, STRAPS AND ADDITIONAL BLOCKING.

C TYPICAL SHEAR WALL DETAIL

Jensen Yorba Lott Inc.

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



PND
Engineering Consultants
3220 HOSPITAL DRIVE, SUITE 200
JUNEAU, ALASKA 99801
PHONE (907) 586-2093
FAX (907) 586-2099

WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

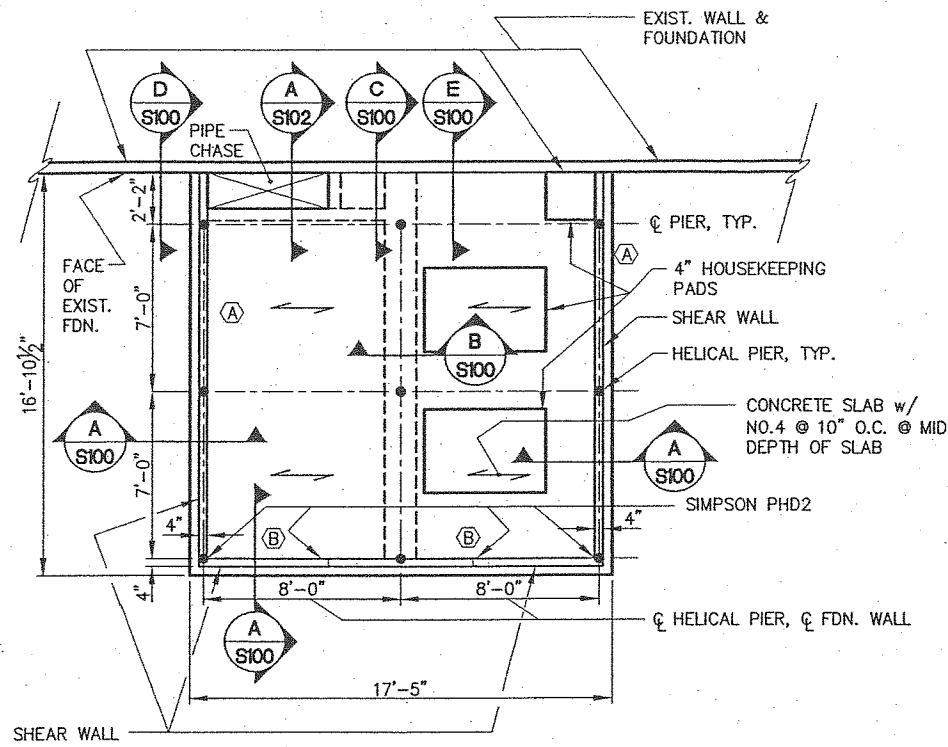
REVISIONS

- △
- △
- △
- △

SHEET TITLE
GENERAL
NOTES

DATE: MARCH 21, 2003
FILE: 02226

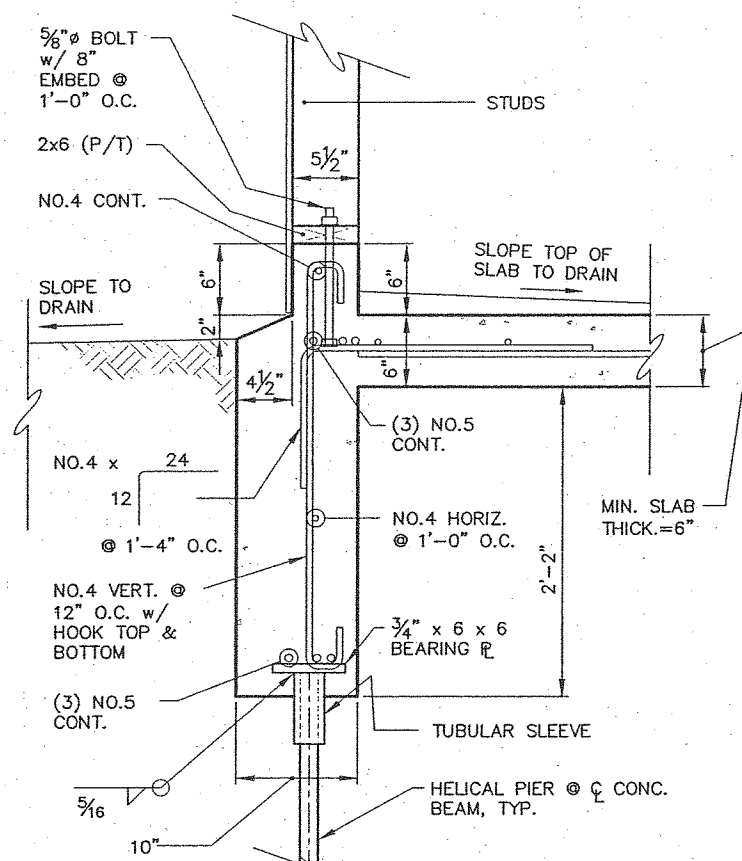
S001



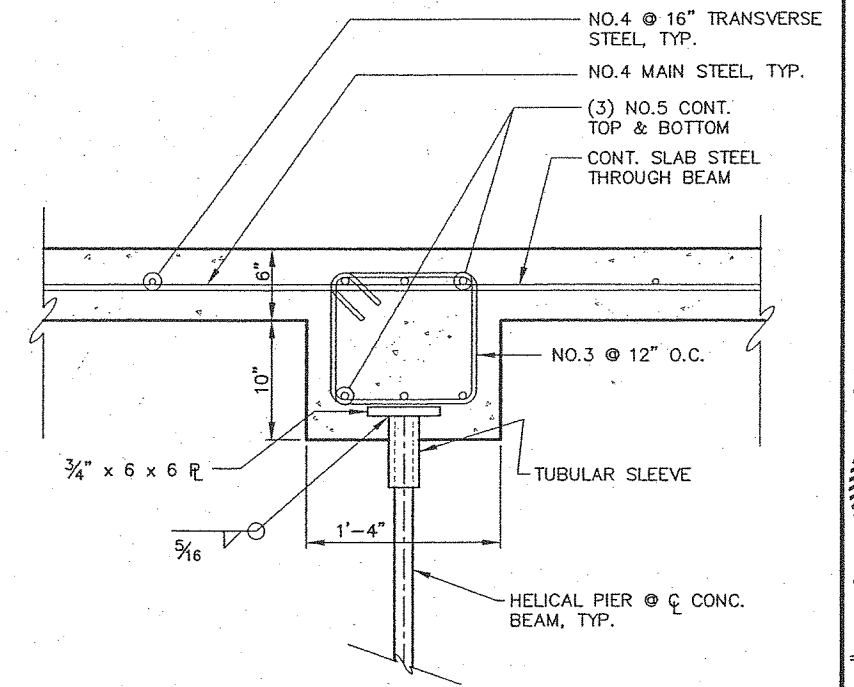
1 PARTIAL FOUNDATION AND FLOOR FRAMING PLAN - BOILER ROOM ADDITION
SCALE: 0 2' 4' 8'

NOTE:

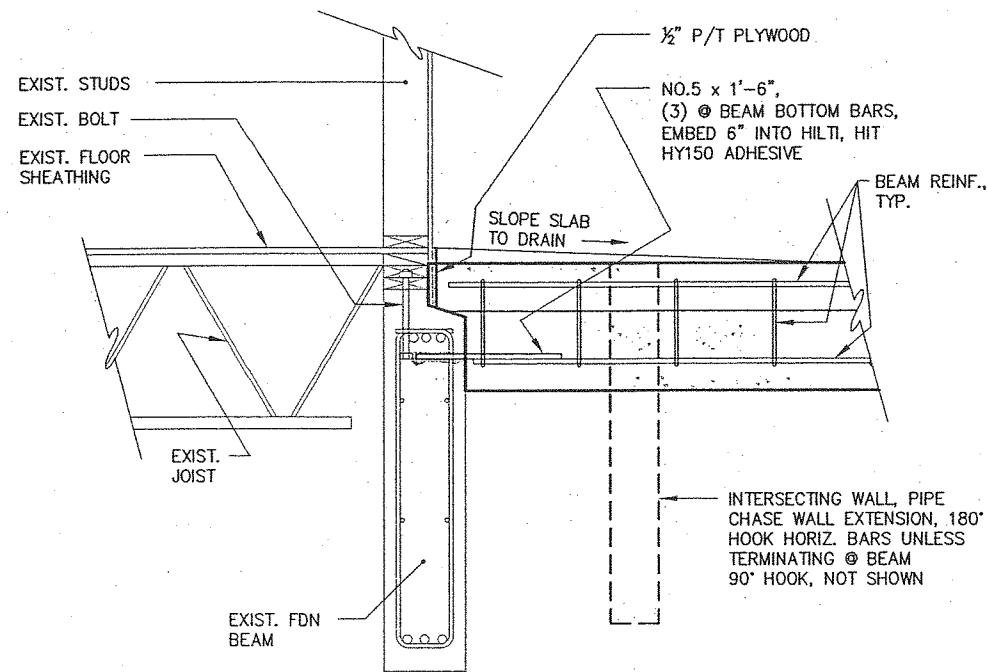
1. (A) INDICATES BEARING WALL TYPE, SEE SCHEDULE.
2. HELICAL PIER SHALL BE CHANCE SS5 ANCHOR OR APPROVED EQUAL w/ 25 KIP ULTIMATE CAPACITY. SUPPLY 20 FT. LENGTH MINIMUM.
3. AT EACH SIDE OF DOOR ONE 2x6 TRIMMER AND (2) 2x6 KING STUDS CONTINUOUS FLOOR TO WALL TOP \bar{r} .
4. COORDINATE WITH MECHANICAL & ELECTRICAL FOR FLOOR DRAIN, SUBFLOOR PIPING, CONDUIT, AND HOUSE KEEPING PADS.



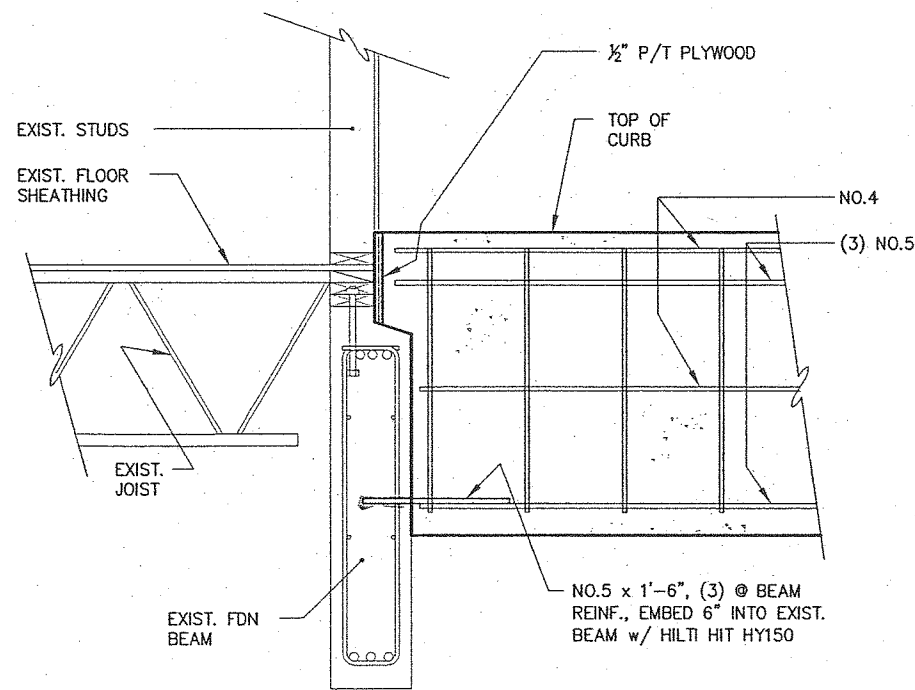
A TYPICAL PERIMETER BEAM AT SLAB
1/S100



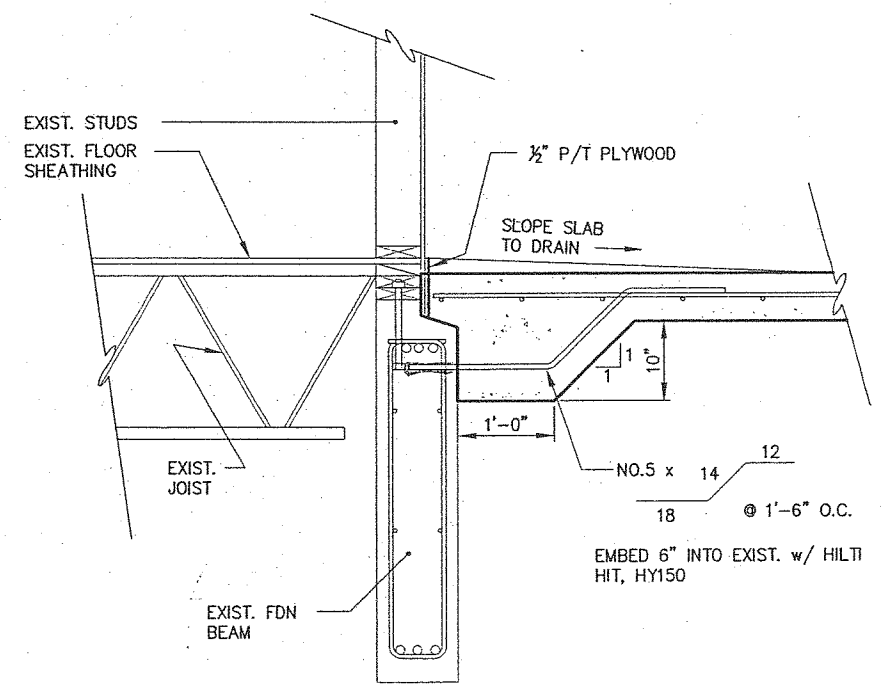
B TYPICAL INTERIOR BEAM AT SLAB
1/S100



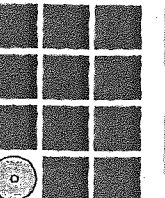
C TYPICAL INTERIOR BEAM AT EXISTING FOUNDATION
1/S100



D TYPICAL PERIMETER BEAM AT EXISTING FOUNDATION
1/S100

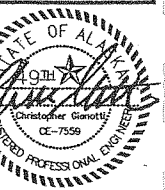


E TYPICAL SLAB TO EXISTING BEAM
1/S100



**Jensen
Yorba
Lott
Inc.**

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



PND
Engineering Consultants

3220 HOSPITAL DRIVE, SUITE 200
JUNEAU, ALASKA 99801

PHONE (907) 586-2093
FAX (907) 586-2099

WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

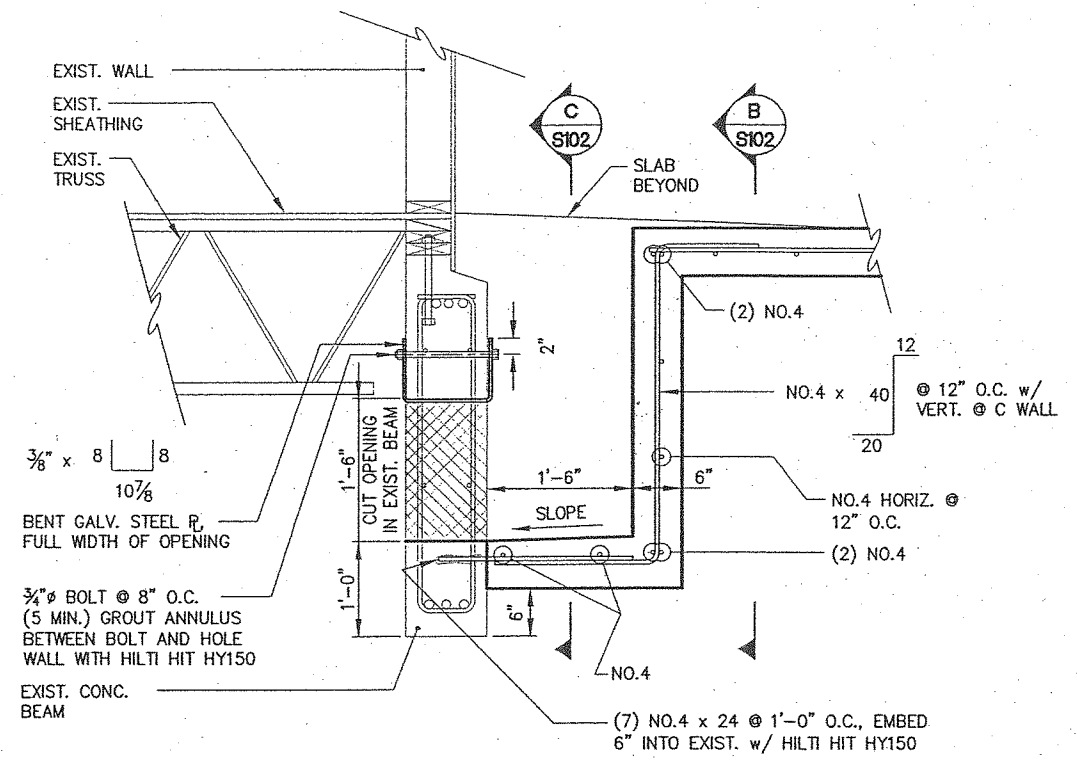
- △
- △
- △
- △

SHEET TITLE

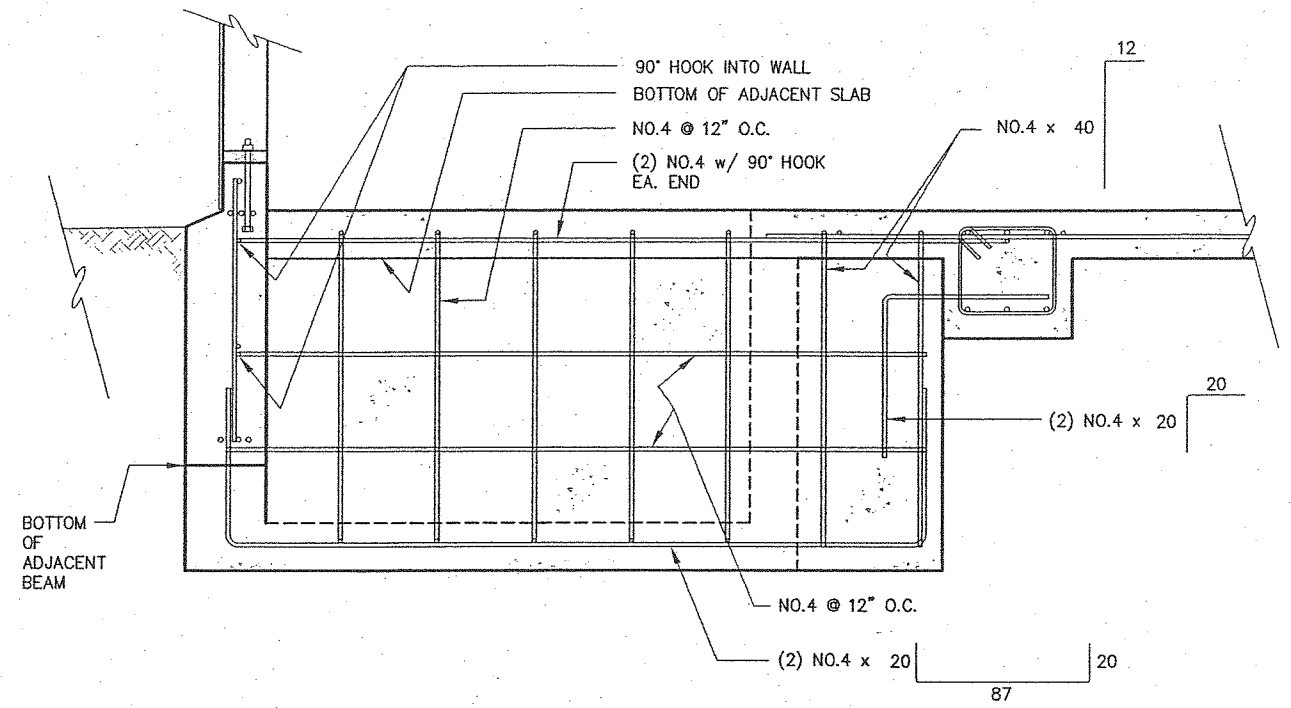
BOILER ROOM
ADDITION
FND. & FLOOR
FRAMING PLAN

DATE: MARCH 21, 2003
FILE: 02226

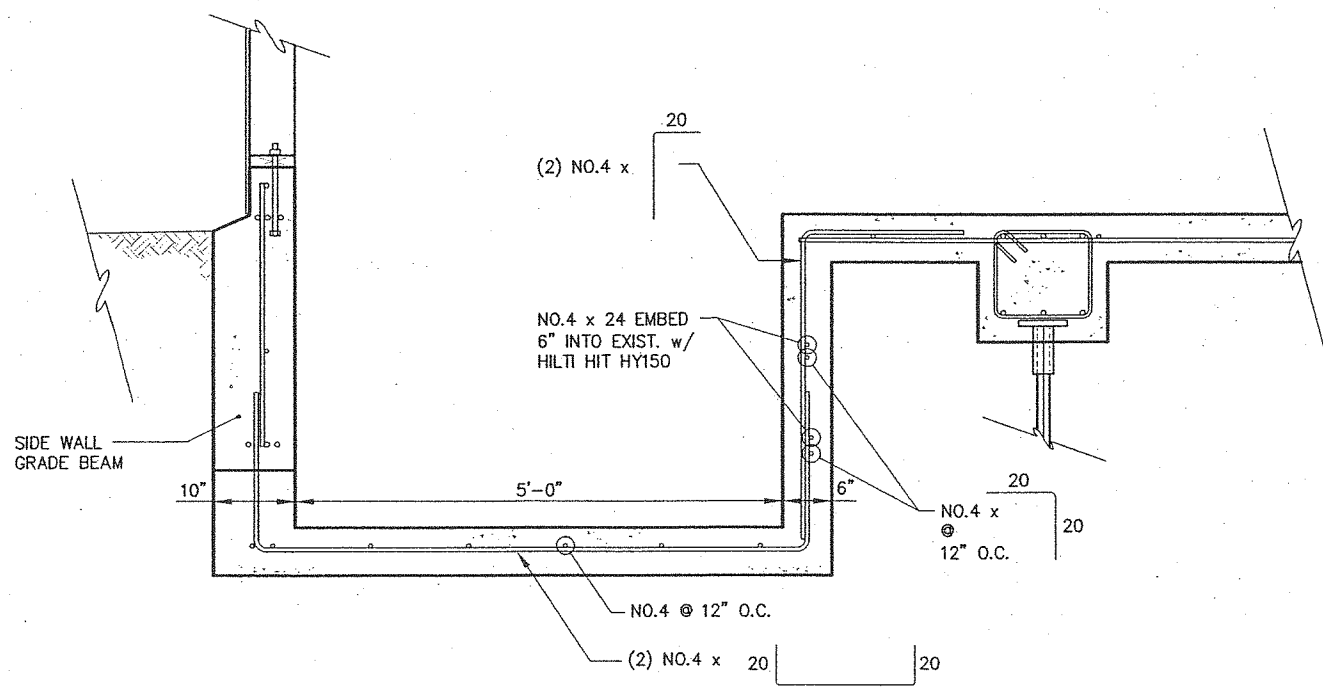
S100



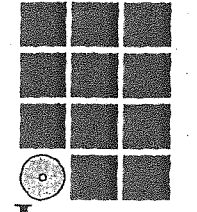
A TYPICAL SECTION THRU PIPE CHASE
1/S100



B PIPE CHASE REINFORCEMENT ELEVATION
A/S102

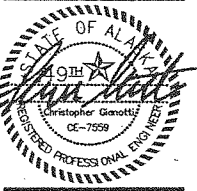


C PIPE CHASE SECTION
A/S102



**Jensen
Yorba
Lott
Inc.**

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



PND
Engineering Consultants

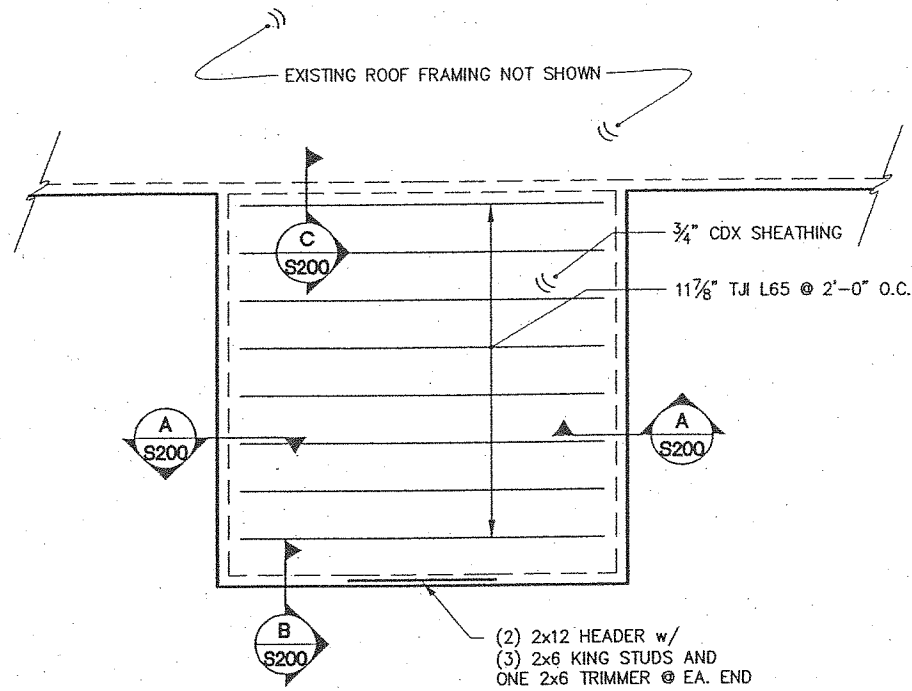
3220 HOSPITAL DRIVE, SUITE 200
JUNEAU, ALASKA 99801
PHONE (907) 586-2093
FAX (907) 586-2099

WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

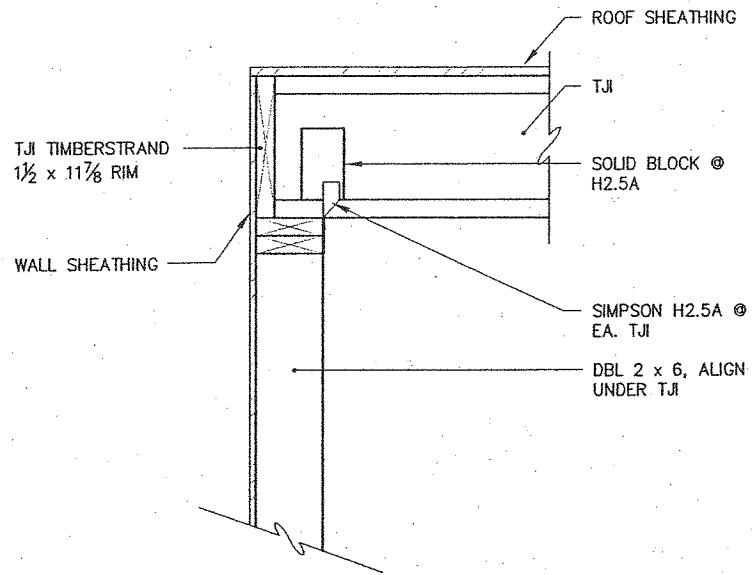
REVISIONS
△
△
△
△
SHEET TITLE
FOUNDATION
SECTIONS

DATE: MARCH 21, 2003
FILE: 02226

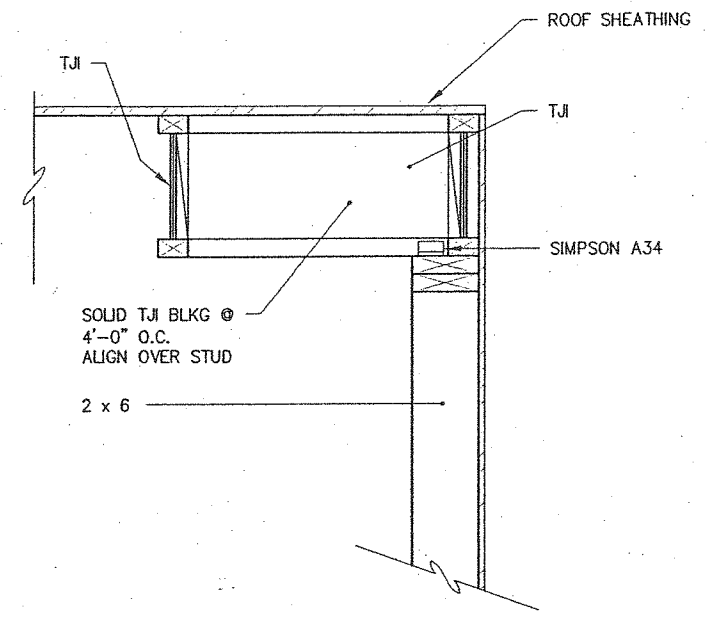
S102



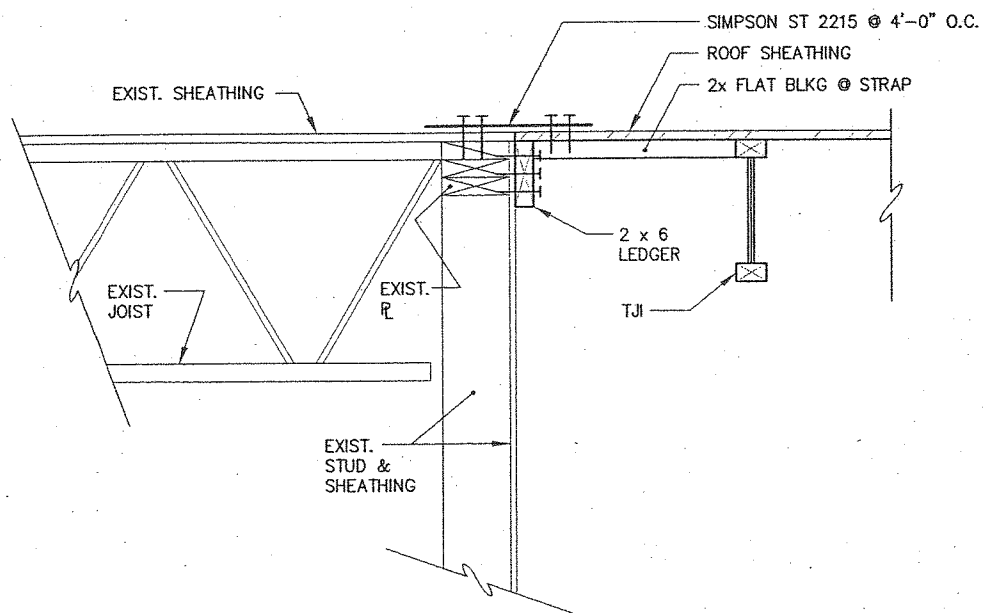
1 PARTIAL ROOF FRAMING PLAN
BOILER ROOM ADDITION
SCALE: 0 2' 4' 8'



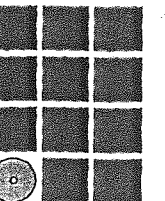
A TYPICAL ROOF TO BEARING WALL
1/S200



B TYPICAL ROOF AT END WALL
1/S200



C TYPICAL SECTION ROOF @ EXISTING ROOF
1/S200



**Jensen
Yorba
Lott
Inc.**

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



PND
Engineering Consultants

3220 HOSPITAL DRIVE, SUITE 200
JUNEAU, ALASKA 99801
PHONE (907) 586-2093
FAX (907) 586-2099

WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

- △
- △
- △
- △

SHEET TITLE
BOILER ROOM
ADDITION
ROOF FRAMING
PLAN

DATE: MARCH 21, 2003
FILE: 02226

S200

SHEET NOTES:

- SEE SPECIFICATIONS FOR ADDITIONAL DATA ON ALL EQUIPMENT. DATA REQUIRED SHOWING CONFORMANCE OF DESIGN INTENT FOR EACH PIECE OF EQUIPMENT AND APPURTENANCES LISTED IN THE SCHEDULES.
- ALL GRILLES, DIFFUSERS, FLOWSETTERS AND EQUIPMENT SHOWN ON SCHEDULES THIS SHEET ARE TO BE ADJUSTED AND MEASURED AS PART OF THE TEST AND BALANCE WORK. SEE PLANS FOR ADDITIONAL SPOT WORK.

EXHAUST GRILLE SCHEDULE - PRIMARY SCHOOL

ROOM	MARK	NUMBER	EXHAUST CFM	FACE SIZE	NECK SIZE
CLASSROOM 101	EG	1	100	8x6	8x6
CLASSROOM 102	EG	1	100	8x6	8x6
LOUNGE 103	EG	1	170	8x8	8x8
WORKROOM 104	EG	1	100	8x6	8x6
TOILET 105	EG	1	75	6x6	6x6
STORAGE 106	EG	1	45	6x6	6x6
CLASSROOM 108	EG	1	100	8x6	8x6
CLASSROOM 109	EG	1	100	8x6	8x6
CLASSROOM 112	EG	1	50	6x6	6x6
TOILET 112A	EG	1	75	6x6	6x6
CLASSROOM 113	EG	1	100	8x6	8x6
GIRLS 114	EG	1	375	12x12	12x12
BOYS 115	EG	1	525	12x12	12x12
INSTRUCTION 116	EG	1	140	10x6	10x6
INSTRUCTION 117	EG	1	140	10x6	10x6
STORAGE 118	EG	1	370	12x12	12x12
MECH. 120	EG	1	50	6x6	6x6

GRILLE AND DIFFUSER SCHEDULE - INTERMEDIATE SCHOOL

SUPPLY CEILING DIFFUSER OR WALL GRILLE						EXHAUST GRILLE				
ROOM	MARK	NUMBER	SUPPLY CFM	FACE SIZE	NECK SIZE	MARK	NUMBER	EXHAUST CFM	FACE SIZE	NECK SIZE
OFFICE 03	-	-	-	-	-	EG	1	400	8x8	8x8
CLASSROOM 108	SG-1	2	225	9x12	9x12	EG-1	1	450	18x10	18x10
CLASSROOM 107	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
CORR 08	SG-3	1	250	9x12	9x12	-	-	-	-	-
FACULTY 11	-	-	-	-	-	EG	1	700	14x14	14x14
CORR 12	SG-3	1	285	9x12	9x12	-	-	-	-	-
CLASSROOM 106	SG-1	2	225	9x12	9x12	EG-1	1	450	18x10	18x10
CLASSROOM 105	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
TOILET 16	-	-	-	-	-	EG	1	75	8x4	8x4
CORR 21	SG-3	1	285	9x12	9x12	-	-	-	-	-
CLASSROOM 103	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
CLASSROOM 102	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
CLASSROOM 104	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
CLASSROOM 103	SG-2	2	225	14x6	14x6	EG-1	1	450	18x10	18x10
DOM 29	-	-	-	-	-	EG	1	100	8x5	8x5
GIRLS 30	SG-1	1	550	18x18	18x18	EG-1	1	600	16x16	16x16
BOYS 31	SG-1	1	550	18x18	18x18	EG-1	1	600	16x16	16x16
JAN 32	-	-	-	-	-	EG-1	1	80	8x6	8x6
PR 36	SG-1	1	80	6x9	6x9	-	-	-	-	-
TOILET 39	-	-	-	-	-	EG	1	75	8x4	8x4
TOILET 51	-	-	-	-	-	EG	1	75	8x4	8x4

PUMP SCHEDULE - INTERMEDIATE SCHOOL

PUMP	FUNCTION	GPM	HEAD DEVELOPED (FEET OF WATER)	DESIGN MANUFACTURER AND MODEL	ELECTRICAL CHARACTERISTICS	FEATURES
P-1A	RADIATION	140	48	TACO 1641	3 HP, 208V, THREE-PHASE, 60Hz	CUSTOM INLINE CIRCULATOR. 7.5" IMPELLER. 67% EFFICIENCY.
P-1B	RADIATION	140	48	TACO 1641	3 HP, 208V, THREE-PHASE, 60Hz	CUSTOM INLINE CIRCULATOR. 7.5" IMPELLER. 67% EFFICIENCY.
P-2	BOILER B-1 BYPASS	63	10	TACO 1611	1/2 HP, 120V, SINGLE-PHASE, 60Hz	CUSTOM INLINE CIRCULATOR. 4.6" IMPELLER. 46% EFFICIENCY. PROVIDE ONE COMPLETE SPARE PUMP.
P-3	BOILER B-2 BYPASS	63	10	TACO 1611	1/2 HP, 120V, SINGLE-PHASE, 60Hz	CUSTOM INLINE CIRCULATOR. 4.6" IMPELLER. 46% EFFICIENCY.

SYMBOLS

	CW	COLD WATER		B	MANUAL BUTTERFLY DAMPER		THERMOSTAT, SENSOR		FD	FLOOR DRAIN
	HW	HOT WATER		FRD	FIRE RATED DAMPER		HUMIDITY SENSOR		FS	FLOOR SINK
	HWR	HOT WATER RECIRCULATING			EXTRACTOR DAMPER		SMOKE SENSOR		HC	HEATING COIL
	W, RD	WASTE, ROOF DRAINAGE			FLEXIBLE DUCT		PRESSURE GAGE		HV	HEATING VENTILATOR
	HS	HEATING SUPPLY			AIR VOLUME DIFFUSER/GRILLE SIZE FLANGE SIZE		THERMOMETER		HWRP	HOT WATER RECIRC. PUMP
	HR	HEATING RETURN			CEILING RETURN/EXHAUST GRILLE		POINT OF CONNECTION OR REMOVAL		IAW	IN ARCHITECTURAL WORK
	OS	OIL SUCTION			CEILING SUPPLY DIFFUSER		ACCESS DOOR		IEW	IN ELECTRICAL WORK
	OR	OIL RETURN			WALL GRILLE - SUPPLY, RETURN/EXHAUST		EXISTING		L	LAVATORY
	V	VENT			FLOOR RETURN GRILLE		RELOCATE		LL	LOW LIMIT
	DSPR	DRY SPRINKLER			RETURN/EXHAUST DUCT UP, DOWN		REMOVE		LWCO	LOW WATER CUTOFF
	WSPR	WET SPRINKLER			SUPPLY DUCT UP, DOWN		OAD		MA	MIXED AIR
		GATE VALVE			RECTANGULAR TO ROUND DUCT TRANSITION		NO.		NF	NON-FREEZE
		CHECK VALVE		P-1	PUMP		OBD		OSA	OUTSIDE AIR DAMPER
		RISING STEM GATE VALVE WITH VALVE SWITCH		AV	AUTOMATIC VALVE		OSV		RA	RETURN AIR
		UNION					RAJ		RAD	RETURN AIR DAMPER
		FLOW SETTER W/NO.					RFP		RPB	REDUCED PRESSURE BUILDING AUTOMATION SYSTEM
		GLOBE VALVE OR ISOLATING BALL VALVE					B-1		BBD	BACK BLADE DAMPER
	DV	DRAIN VALVE					BFP		CP	CIRCULATING PUMP
		REDUCER					CUH		DDC	DIRECT DIGITAL CONTROL
		PITCHED DOWN					DF		DG	DRINKING FOUNTAIN
	CO	CLEANOUT					DI		EA	DIELECTRIC UNION
	FCO	FLOOR CLEANOUT					EAD		EF	EXHAUST AIR DAMPER
	P-1	PUMP					EG		ET	EXHAUST FAN
	AV	AUTOMATIC VALVE								EXPANSION TANK

FLOWSETTER SCHEDULE - INTERMEDIATE SCHOOL

NUMBER	UNIT SERVED	LOCATION	DESIGN GPM	SETTER SIZE (INCHES)
1	HEATING RETURN B-1	MECH. ROOM 109	70	3
2	BOILER B-1 BYPASS	MECH. ROOM 109	63	2-1/2
3	HEATING RETURN B-2	MECH. ROOM 109	70	3
4	BOILER B-2 BYPASS	MECH. ROOM 109	63	2-1/2
5	FAN ROOM HEATING COILS	MECH. ROOM 40	50	2
6	PERIMETER RADIATION UNITS	MECH. ROOM 40	8	1-1/2
7	DOMESTIC HW	MECH. ROOM 40	8	1"
8	PRIMARY SCHOOL	MECH. ROOM 109	60	2-1/2
9	HV-1	MECH. ROOM 109	19	1-1/4
10	HV-2A	MECH. ROOM 109	3.0	3/4
11	HV-2B	MECH. ROOM 109	4.6	3/4
12	HV-3A	MECH. ROOM 109	7.2	1"
13	HV-3B	MECH. ROOM 109	8.5	1"
14	HV-3C	MECH. ROOM 109	5.9	1"

EQUIPMENT SCHEDULE - INTERMEDIATE SCHOOL

EQUIPMENT	DESIGN MANUFACTURER	MODEL	FEATURES/CONTROLS/OPTIONS
BOILER B-1, B-2 BURNER B-1, B-2	WEIL-McLAIN BECKETT	788 CF2300A-W	CAST-IRON, SECTIONAL, OIL-FIRED BOILER, NET IFR 1,419,000 BTU/HR. 14.2 GPH. BURNER: 3/4 HP, 120 VOLT, SINGLE-PHASE, 30 PSI ASME TEMPERATURE RELIEF VALVE. COMBINATION LOW-HIGH-LOW-OFF FIRING CONDITIONS. OPERATING THERMOSTAT WITH ADJUSTABLE DIFFERENTIAL, 5-30°F, SET AT 200°F TO CONTROL BURNER. HIGH LIMIT THERMOSTAT WITH AUTOMATIC RESET SET AT 220°F. EXTRA HIGH LIMIT THERMOSTAT WITH MANUAL RESET AT 230°F. HIGH LIMIT THERMOSTATS TO BE HONEYWELL L400B SERIES, FIRE TESTED PACKAGE WITH 63M LOW WATER CUTOFF. FIROMATIC ISOLATING VALVES. OIL SAFETY VALVE - WEBSTER ELECTRIC OSV. FORCED DRAFT.
EXPANSION TANK	AMTROL L SERIES	500-L	105 GALLON MINIMUM ACCEPTANCE VOLUME. 105 GALLON MINIMUM TOTAL TANK VOLUME. ASME. REPLACEABLE BLADDER, FREE STANDING.
UNDERGROUND OIL TANK	ACE TANK	PERMATANK	3,000 GALLON UNDERGROUND DOUBLE WALL TANK. TANK WITH INNER STEEL WALL AND FIBERGLASS OUTER WALL. 42-INCH SUMP ENCLOSURE AND 36-INCH MANHOLE ABOVE. 3/4-INCH DOUBLE WALL OS & OR OIL PIPING LOCATED IN 4-INCH CONTAINMENT PIPING. 4" FILL WITH SPILL CONTAINMENT MANHOLE AND 24" MANHOLE ABOVE.

FAN SCHEDULE - INTERMEDIATE SCHOOL

FAN	AREA SERVED	AIR VOLUME (CFM)	T.S.P (INCHES WATER)	DESIGN MANUFACTURER	ELECTRICAL CHARACTERISTICS	FEATURES
EXHAUST FAN, EF-6	INTERMEDIATE SCHOOL CLASSROOMS	3,420	0.875	PACE DWDI 135, FC, 13A	1-1/2 HP, 208V, THREE-PHASE, 60Hz	HOUSED CABINET FAN. MAXIMUM FAN RPM 850. MAXIMUM OUTLET VELOCITY OF 1100 FPM. SIDE ACCESS FOR FLAT FILTERS, FILTER SECTION.
EXHAUST FAN, EF-1	INTERMEDIATE SCHOOL TOILET ROOM EXHAUST	1,340	1.25	GREENHECK GB-141-7	3/4 HP, 208V, THREE-PHASE, 60Hz	BELT DRIVE CENTRIFUGAL DOWNBLAST ROOF EXHAUST CAP. BACKDRAFT DAMPER, PROTECTIVE COATING, HOOD HASPS, TIE DOWN POINTS, DISCONNECT AT UNIT. MAXIMUM FAN RPM OF 1430.
EXHAUST FAN, EF-5	INTERMEDIATE SCHOOL CRAWL SPACE EXHAUST	500	0.75	GREENHECK GB-101-5	1/2 HP, 120V, SINGLE-PHASE, 60Hz	BELT DRIVE CENTRIFUGAL DOWNBLAST ROOF EXHAUST CAP. BACKDRAFT DAMPER, PROTECTIVE COATING, HOOD HASPS, TIE DOWN POINTS, DISCONNECT AT UNIT.

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

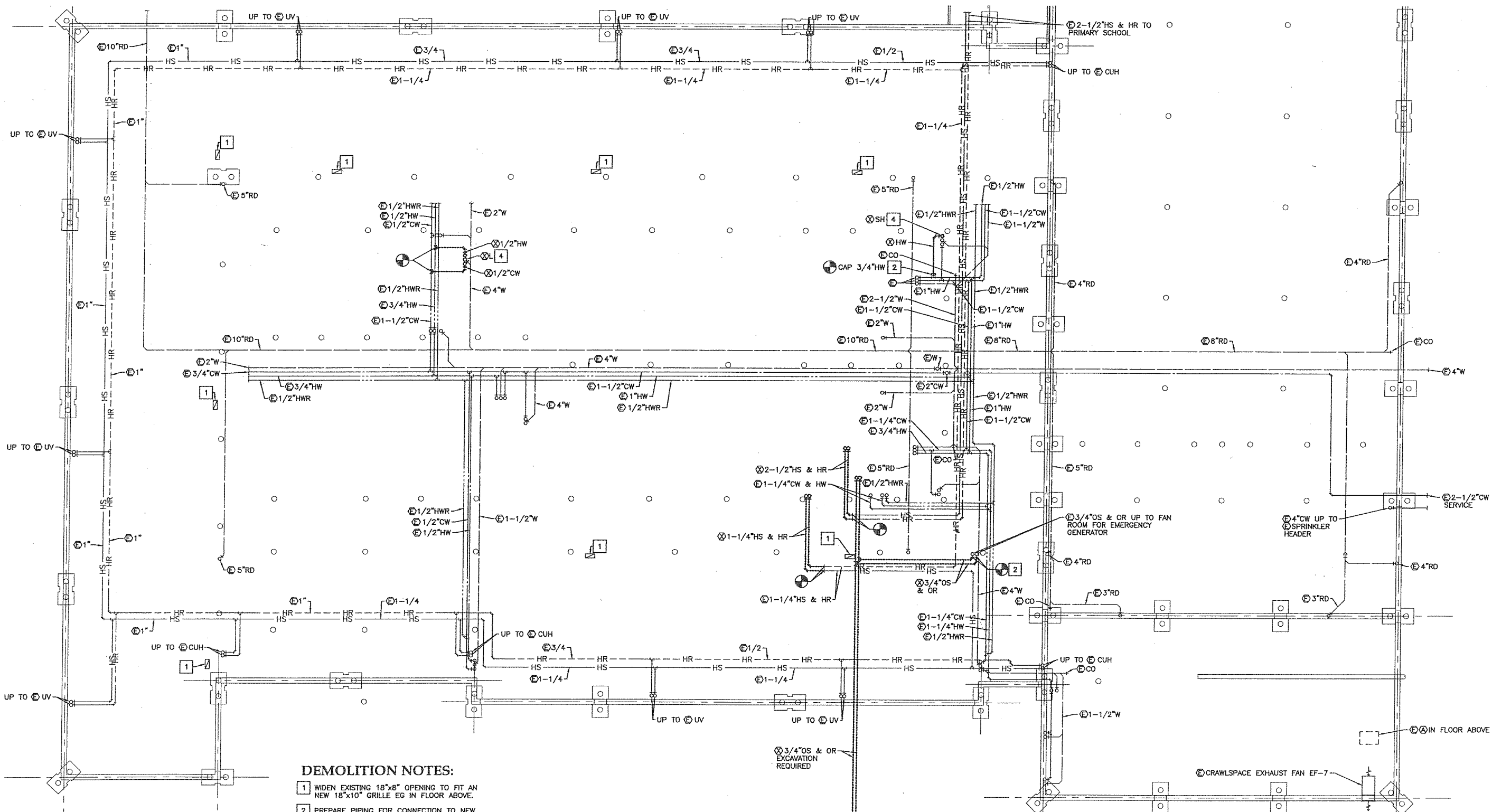
MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL 907 780-6151
 FAX: 907 780-6182



WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

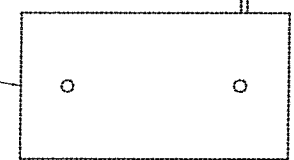
 SHEET TITLE
 SYMBOLS,
 SCHEDULES
 DATE: MAR 21, 2003
 FILE: 10-12.11
M100



DEMOLITION NOTES:

- 1 WIDEN EXISTING 18"x8" OPENING TO FIT AN NEW 18"x10" GRILLE EG IN FLOOR ABOVE.
- 2 PREPARE PIPING FOR CONNECTION TO NEW 3/4" OS AND OR PIPING. COORDINATE WORK WITH SHEET M201.
- 3 PREPARE EXCAVATION AREA FOR INSTALLATION OF NEW 3,000 GALLON DOUBLE WALL OIL TANK AND DOUBLE CONTAINMENT OIL PIPING. REMOVE TANK, PIPING, CONCRETE BALLAST, AND TRIM. SAWCUT CONCRETE SIDEWALK AS REQUIRED. COORDINATE WITH SHEET M201 FOR THIS WORK.
- 4 REMOVE PLUMBING FIXTURE, TRIM, AND CONNECTED PIPING. CAP PIPING AT MAIN IN CEILING OR CRAWLSPACE BELOW OR COORDINATE EXTENT OF REMOVAL WITH NEW WORK AND GENERAL CONTRACTOR AS REQUIRED.

⊗ UNDERGROUND FUEL OIL STORAGE TANK



SHEET NOTES:

- 1. EXISTING WSPR SYSTEM SERVING CRAWLSPACE IS GENERALLY NOT SHOWN. ELECTRICAL SYSTEMS NOT SHOWN. VERIFY ON-SITE LOCATIONS, ELEVATIONS, AND REQUIREMENTS FOR WORK INTENDED.
- 2. COORDINATE WITH SCHOOL DISTRICT PERSONNEL FOR ALL SHUT DOWNS OF SYSTEMS.
- 3. COORDINATE MECHANICAL WORK WITH OTHER RELATED TRADES FOR A COMPLETED, FINISHED PRODUCT OF WORK INTENDED.

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbajlott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 △

SHEET TITLE
**FOUNDATION
 DEMO PLAN-
 INTERMEDIATE
 SCHOOL**

DATE: MAR. 21, 2003
 FILE: 10-121.1

M101

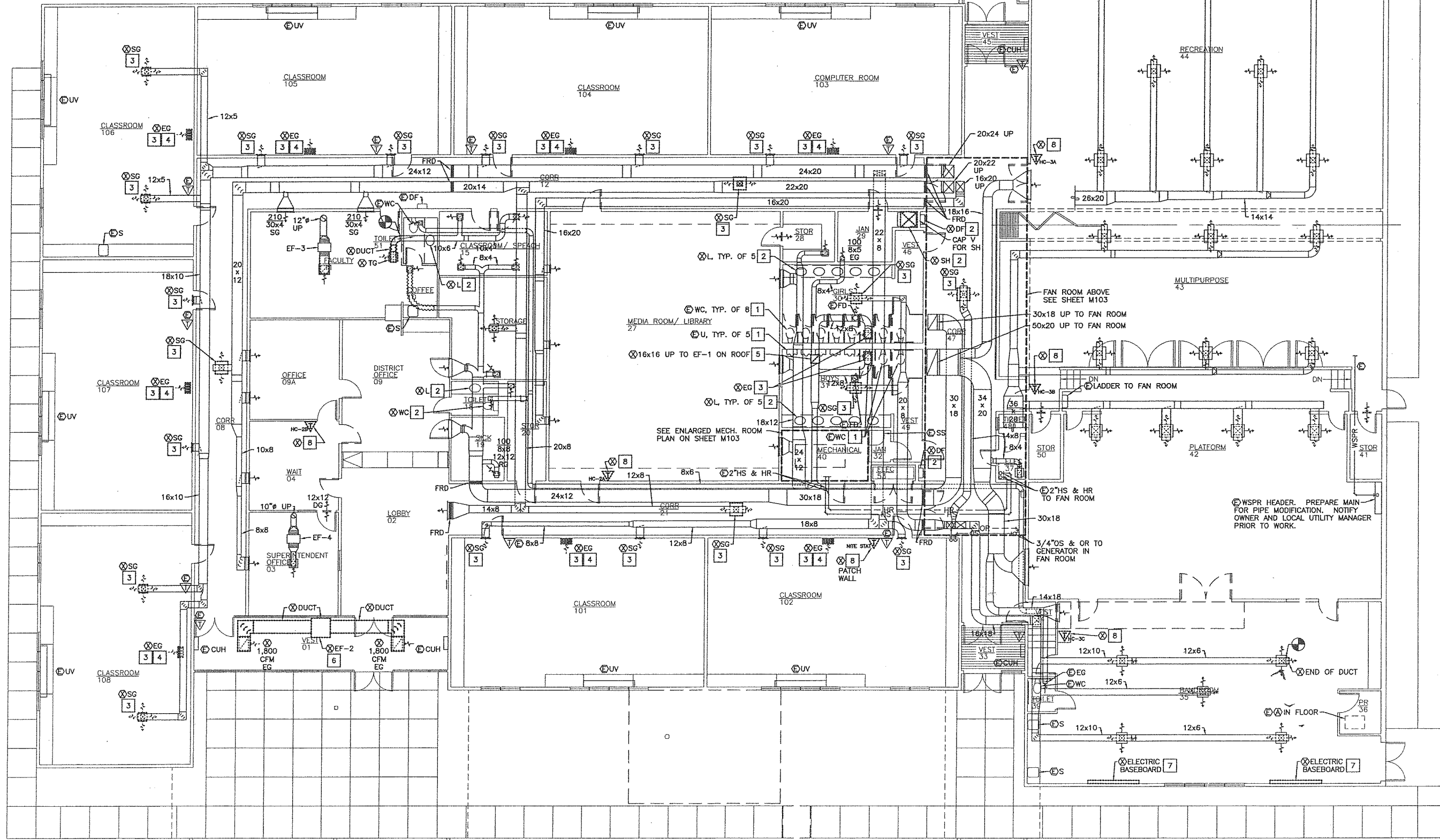
DEMOLITION NOTES:

- 1 REMOVE AND CLEAN ALL WATER CLOSETS, URINALS, AND RELATED TRIM. REINSTALL PLUMBING FIXTURE AFTER WALL FINISH IS REPLACED. REMOVE AND DISPOSE OF ALL LAVATORIES. COORDINATE EXTENT OF DEMOLITION WORK WITH NEW WORK REQUIRED.
- 2 REMOVE PLUMBING FIXTURE, TRIM, AND CONNECTED PIPING. CAP PIPING AT MAIN IN CEILING OR CRAWLSPACE BELOW OR COORDINATE EXTENT OF REMOVAL WITH NEW WORK AND GENERAL CONTRACTOR AS REQUIRED.
- 3 REMOVE EG, RG, AND SG. PREPARE DUCT FOR CONNECTION TO NEW EG, RG, AND SG.
- 4 WIDEN OPENING FOR EXHAUST DUCTWORK INSTALLATION FOR CONNECTION TO NEW EG. COORDINATE WORK WITH SHEETS M101 AND M201.
- 5 REMOVE EXISTING EF-1. INSTALL NEW ROOF MOUNTED EF-1. COORDINATE WORK WITH SHEETS M202 AND M205.

- 6 REMOVE EF AND DUCTWORK. PATCH PENETRATION FOR EG AND PENETRATION THROUGH ROOF FOR EF-2. COORDINATE WITH GENERAL CONTRACTOR FOR ARCHITECTURAL PATCHING AND PAINTING.
- 7 REMOVE ELECTRIC BASEBOARD UNITS AND DISPOSE OF PROPERLY. PATCH AND PAINT WALL FINISH. COORDINATE WITH GENERAL CONTRACTOR FOR THIS WORK.
- 8 REMOVE PNEUMATIC CONTROL DEVICE FOR REPLACEMENT. CAP TUBING IN CEILING.

SHEET NOTES:

- 1. ALL DUCTWORK AND EQUIPMENT SHOWN IS EXISTING UNLESS NOTED OTHERWISE.
- 2. COORDINATE MECHANICAL WORK WITH OTHER RELATED TRADES FOR A COMPLETED, FINISHED PRODUCT OF WORK INTENDED.
- 3. WSPR AND RD PIPING IS GENERALLY NOT SHOWN. VERIFY ALL LOCATIONS AND COORDINATION REQUIREMENTS ON-SITE.



1 DEMOLITION FLOOR PLAN - INTERMEDIATE SCHOOL
 SCALE: 0 4' 8' 16'

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 △

SHEET TITLE
DEMO FLOOR PLAN - INTERMEDIATE SCHOOL
 DATE: MAR. 21, 2003
 FILE: 10-1211

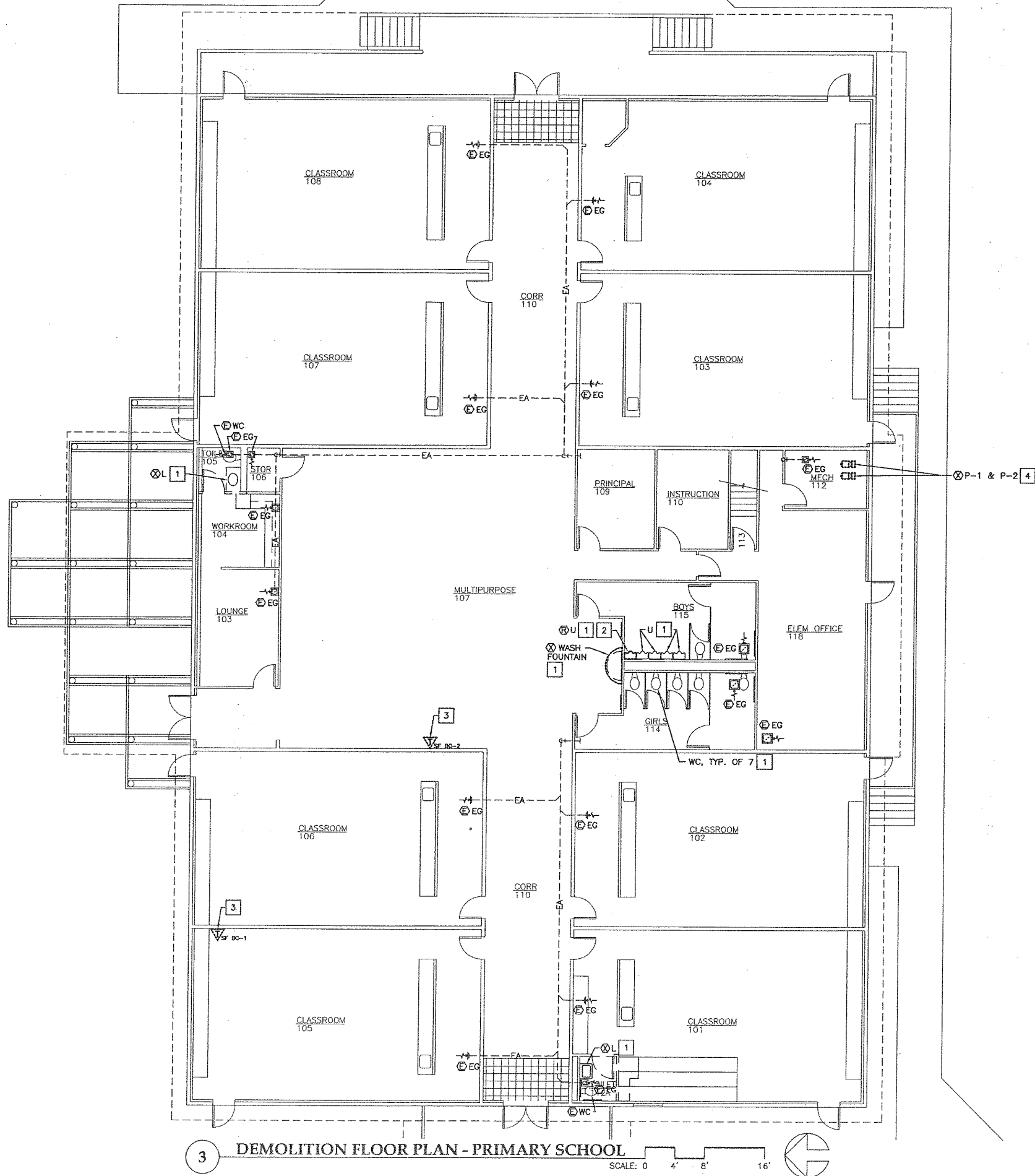
M102

SHEET NOTES:

1. MOST EXISTING MECHANICAL SYSTEMS AND COMPONENTS ARE NOT SHOWN. ONLY EXHAUST AIR DUCTWORK IS SHOWN FOR CLARITY. VERIFY EXISTING CONDITIONS ON-SITE.

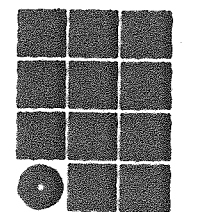
DEMOLITION NOTES:

- 1 REMOVE FIXTURE AND CLEAN IF IT IS TO BE REUSED. OTHERWISE DISPOSE OF PROPERLY. PREPARE PIPING FOR NEW CONNECTION AS REQUIRED. INSTALL NEW GASKET SEAL ON WASTE CONNECTION. REINSTALL FIXTURE IN EXISTING LOCATION UNLESS NOTED OTHERWISE.
- 2 RELOCATE FIXTURE FOR ADA HEIGHT.
- 3 REMOVE PNEUMATIC CONTROL DEVICE FOR REPLACEMENT. CAP TUBING IN CEILING.
- 4 REMOVE P-1 AND P-2 AND TRIM. REMOVE PIPING AT P-2 PUMP AND CAP 2-1/2" IN TWO LOCATIONS. INSTALL 2-1/2" NIPPLE AND CONNECT TO EXISTING WHERE P-1 WAS REMOVED.



3 DEMOLITION FLOOR PLAN - PRIMARY SCHOOL

SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**MURRAY &
ASSOCIATES, P.C.**
CONSULTING ENGINEERS

P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-6151
FAX: 907 780-6182



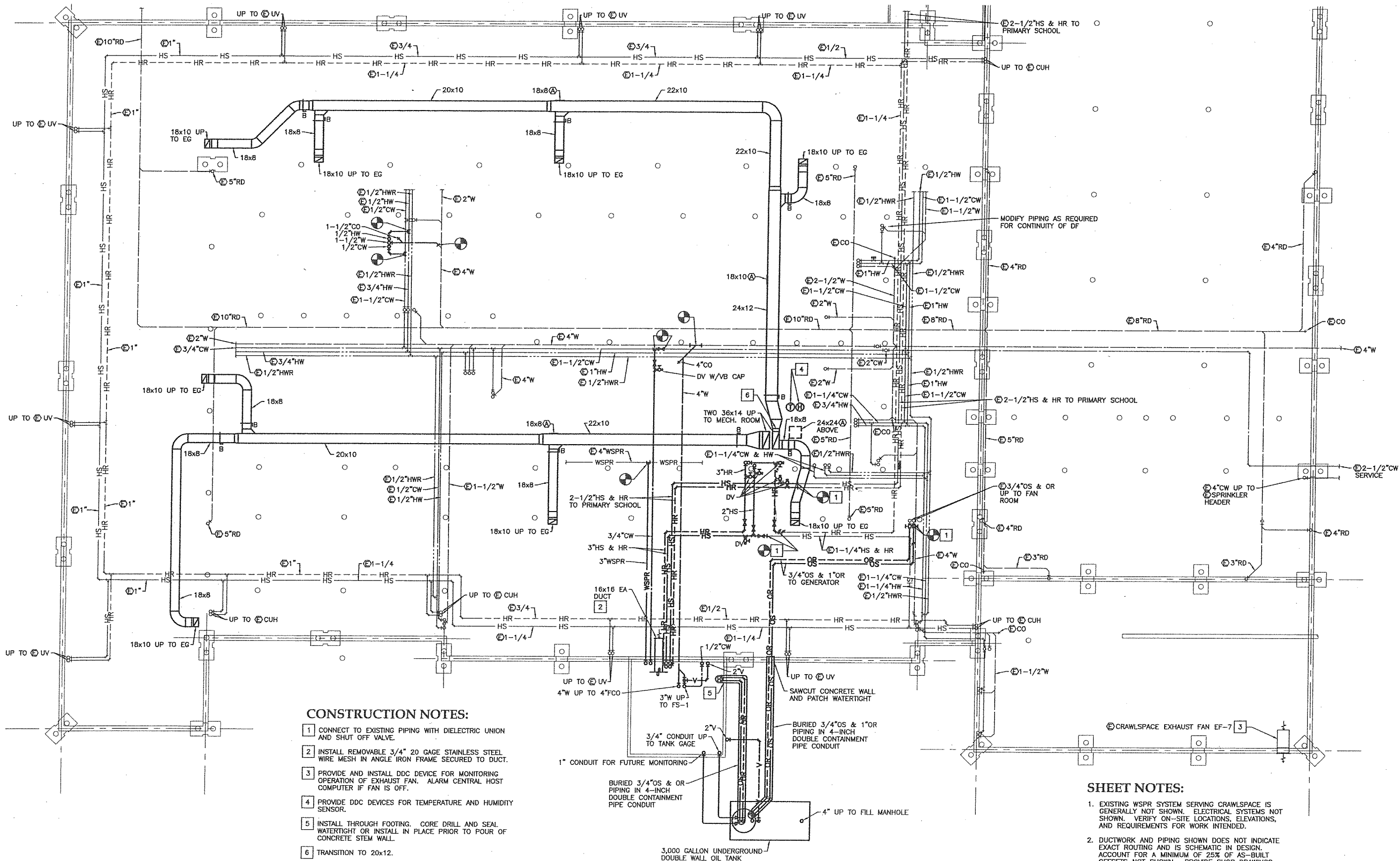
**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
 ▲
 ▲
 ▲
 ▲

SHEET TITLE
**DEMOLITION
 FLOOR PLAN
 PRIMARY SCHOOL**

DATE: MAR. 21, 2003
 FILE: 10-121.1

M104



CONSTRUCTION NOTES:

- 1 CONNECT TO EXISTING PIPING WITH DIELECTRIC UNION AND SHUT OFF VALVE.
- 2 INSTALL REMOVABLE 3/4" 20 GAGE STAINLESS STEEL WIRE MESH IN ANGLE IRON FRAME SECURED TO DUCT.
- 3 PROVIDE AND INSTALL DDC DEVICE FOR MONITORING OPERATION OF EXHAUST FAN. ALARM CENTRAL HOST COMPUTER IF FAN IS OFF.
- 4 PROVIDE DDC DEVICES FOR TEMPERATURE AND HUMIDITY SENSOR.
- 5 INSTALL THROUGH FOOTING. CORE DRILL AND SEAL WATERTIGHT OR INSTALL IN PLACE PRIOR TO POUR OF CONCRETE STEM WALL.
- 6 TRANSITION TO 20x12.

1" CONDUIT FOR FUTURE MONITORING

BURIED 3/4" OS & OR PIPING IN 4-INCH DOUBLE CONTAINMENT PIPE CONDUIT

3,000 GALLON UNDERGROUND DOUBLE WALL OIL TANK

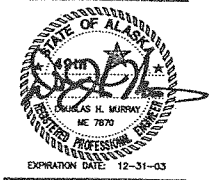
SHEET NOTES:

1. EXISTING WSPR SYSTEM SERVING CRAWLSPACE IS GENERALLY NOT SHOWN. ELECTRICAL SYSTEMS NOT SHOWN. VERIFY ON-SITE LOCATIONS, ELEVATIONS, AND REQUIREMENTS FOR WORK INTENDED.
2. DUCTWORK AND PIPING SHOWN DOES NOT INDICATE EXACT ROUTING AND IS SCHEMATIC IN DESIGN. ACCOUNT FOR A MINIMUM OF 25% OF AS-BUILT OFFSETS NOT SHOWN. PROVIDE SHOP DRAWINGS OF CHANGES AS REQUIRED FOR APPROVAL AND RECORD ALL CHANGES IN AS-BUILT DOCUMENTATION.
3. INSTALL UNION ADJACENT TO EACH ISOLATING VALVE IN CRAWLSPACE.
4. COORDINATE MECHANICAL WORK WITH OTHER RELATED TRADES FOR A COMPLETED, FINISHED PRODUCT OF WORK INTENDED.

1 FOUNDATION PLAN - INTERMEDIATE SCHOOL SCALE: 0 4' 8' 16'

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbalo.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS

SHEET TITLE
**FOUNDATION
 PLAN-
 INTERMEDIATE
 SCHOOL**
 DATE: MAR. 21, 2003
 FILE: 10-121.1

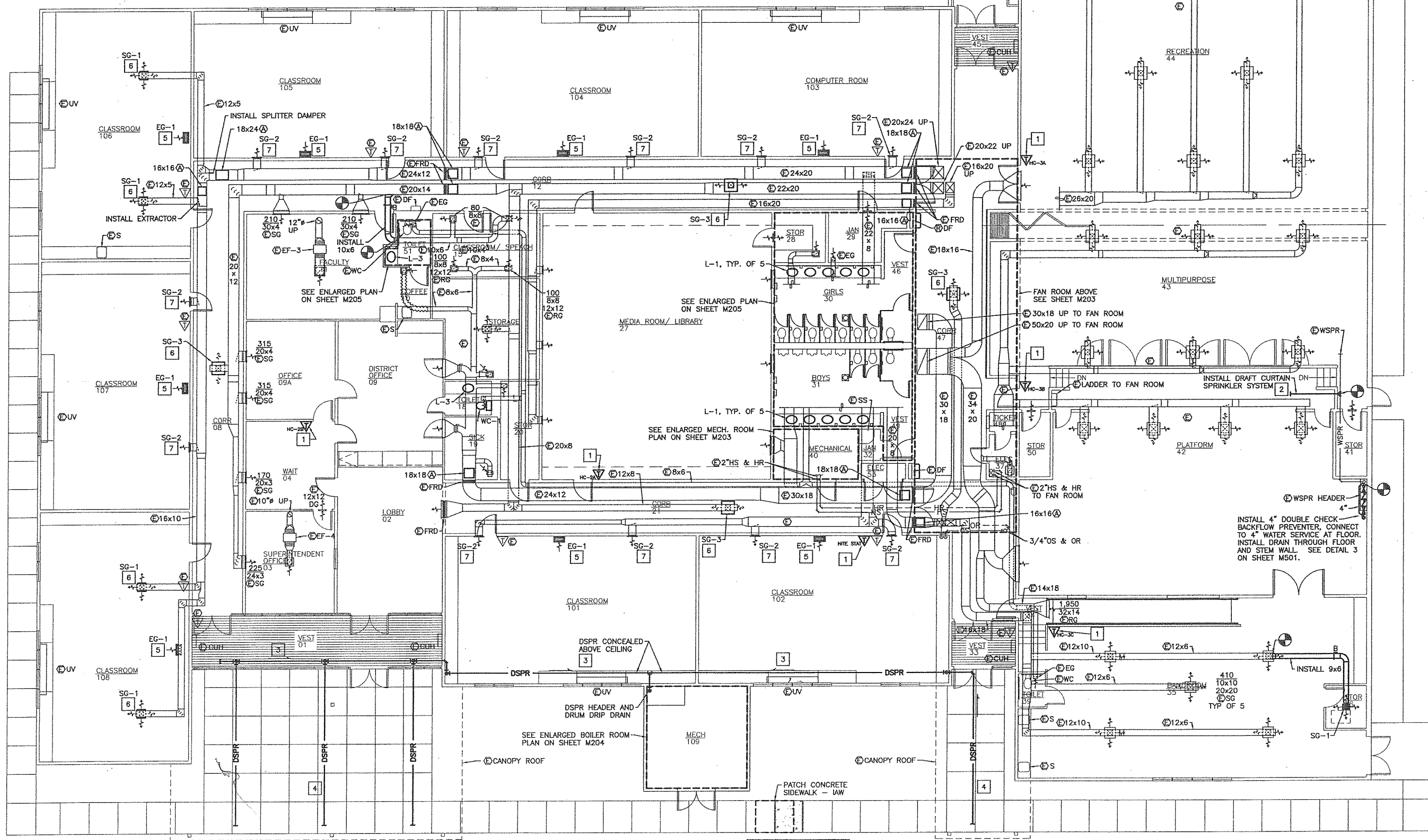
M201

CONSTRUCTION NOTES:

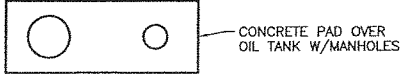
- 1 INSTALL DDC SENSOR. CONNECT TO BAS SYSTEM. ALL WIRING TO BE CONCEALED, NO SURFACE MOUNTED ALLOWED. PROVIDE NECESSARY CUTTING AND PATCHING AS REQUIRED.
- 2 CONNECT TO 4" WSPR MAIN AT CEILING. INSTALL SPRINKLER SYSTEM FOR PLATFORM DRAFT CURTAIN PROTECTION, WITH SOLENOID VALVE AND FLOW SWITCH. CONNECT TO FIRE ALARM PANEL.
- 3 INSTALL DSPR PIPING PITCHED TO DRAIN TO A SINGLE LOCATION, A DRUM DRIP DRAIN AT HEADER IN MECH. 109.
- 4 INSTALL DSPR PIPING ABOVE CANOPY CEILING AND RECESSED DRY HEADS. COORDINATE WITH GENERAL CONTRACTOR ON EXTENT OF REMOVAL AND REINSTALLATION OF CEILING. ROUTE LATERAL BRANCHES OVER LIGHTS IF POSSIBLE.
- 5 INSTALL GRILLE IN FLOOR WITH OBD. MODIFY 18x8 OPENING IN WOOD FLOOR AS REQUIRED FOR NEW SIZE.
- 6 INSTALL NEW SUPPLY GRILLE WITH NEW NECK SIZE DUCT CONNECTION WITH OBD TO DUCT OR MAIN.

SHEET NOTES:

1. ALL DUCTWORK AND EQUIPMENT SHOWN IS NEW UNLESS NOTED OTHERWISE. MODIFY DUCTWORK AS REQUIRED FOR WORK INTENDED. DUCT MODIFICATIONS IN SUPPLY DUCT WILL REQUIRE REINSULATION OF NEW DUCTS WITH AIR TIGHT SEALING TO EXISTING DUCT INSULATION.
2. COORDINATE MECHANICAL WORK WITH OTHER RELATED TRADES FOR A COMPLETED, FINISHED PRODUCT OF WORK INTENDED.
3. TEST AND BALANCE ALL AIR VOLUMES SHOWN AND IN SCHEDULES ON SHEET M100.



1 FLOOR PLAN - PIPING - INTERMEDIATE SCHOOL
 SCALE: 0 4' 8' 16'



Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182

**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 ▲
 ▲
 ▲
 ▲

SHEET TITLE
**FLOOR PLAN-
 PIPING-
 INTERMEDIATE
 SCHOOL**

DATE: MAR. 21, 2003
 FILE: 10-121.1

M202

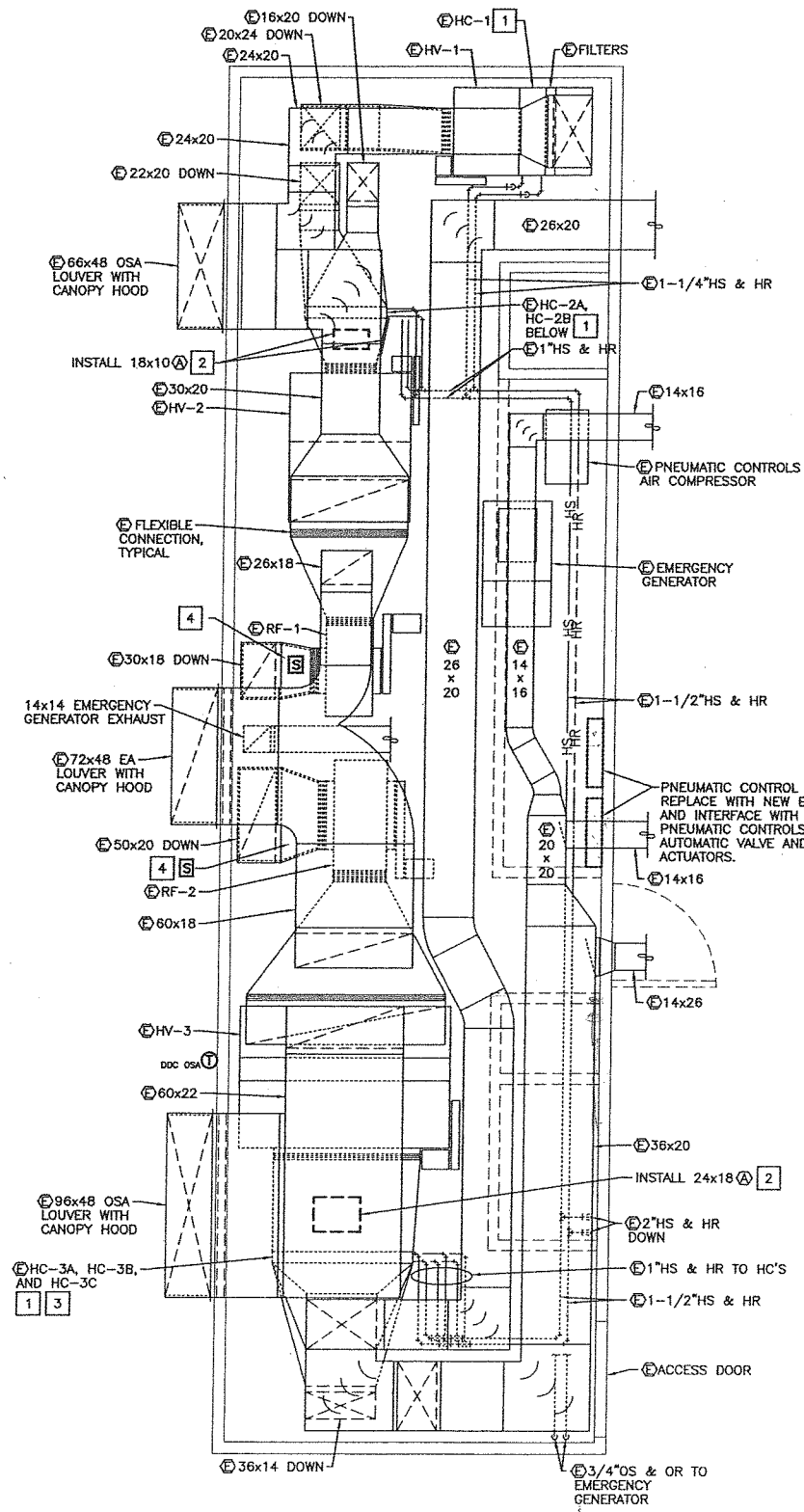
SHEET NOTES:

1. REPLACE CONTROL DEVICES WITH DDC TYPE. COORDINATE REQUIREMENT WITH SHEETS M401 AND M402. DEVICES TYPICALLY NOT SHOWN THIS SHEET.
2. IT IS THE INTENTION OF CONTROLS WORK TO REMOVE ALL PNEUMATIC DEVICES AND REPLACE WITH DDC DEVICES EXCEPT FOR AUTOMATIC VALVES AND DAMPER ACTUATORS. REPLACE AUTOMATIC VALVE AND ACTUATORS AS SCHEDULED. CALIBRATE AND CHECK FOR CORRECT OPERATION ALL PNEUMATIC DAMPER OPERATORS.

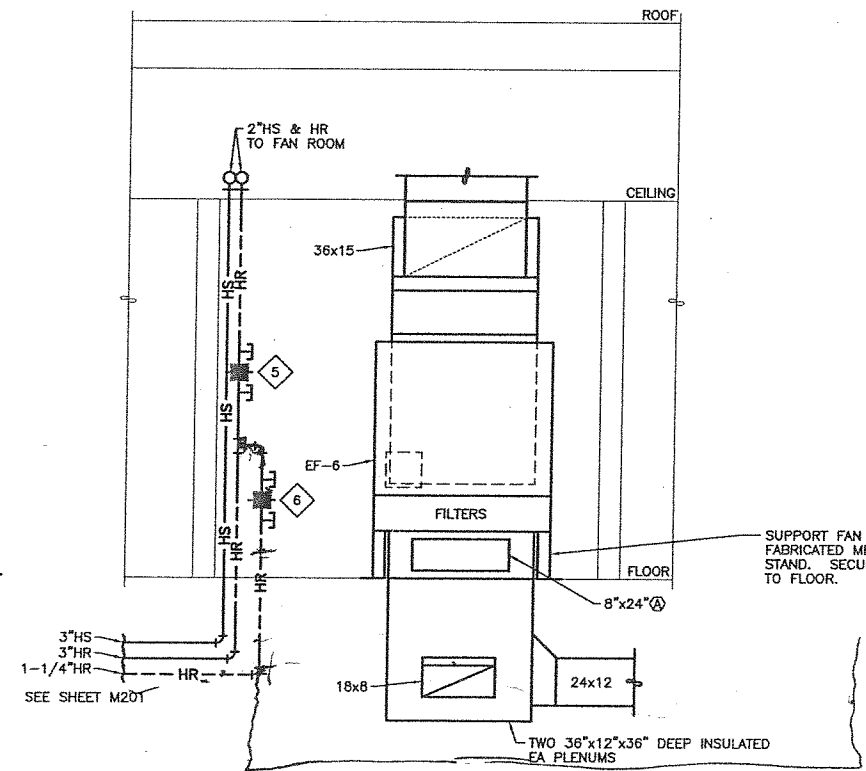
CONSTRUCTION NOTES:

1. REPLACE TWO-WAY PNEUMATIC AUTOMATIC VALVE WITH PNEUMATIC ACTUATOR FOR EACH HEATING COIL. SEE SHEET M401 FOR VALVE SCHEDULE.
2. INSTALL ACCESS DOOR UPSTREAM OF ALL HEATING COILS. CLEAN INSIDE OF PLENUM AND FACE OF COILS. VERIFY SIZE OF DOOR AND SWING FOR SPECIFIC LOCATION.
3. REPLACE PIPE MOUNTED THERMOMETER ON EACH HS TO HC.
4. SMOKE SENSOR IEW.
5. REMOVE TEMPORARY CAP. FLASHING FIELD FIT AND MODIFIED TO OVERLAP CURB A MINIMUM OF 1-1/2". FLASHING SECURED TO SIDE OF NAILER AND CURB WITH STAINLESS STEEL FASTENERS AT 6" ON CENTER.
6. 22 GAGE GALVANIZED STEEL SLEEVE MOUNTED AS SHOWN AND SECURED TO UNDERSIDE OF CEILING WITH STAINLESS STEEL FASTENERS AT 6" ON CENTER.
7. COORDINATE DIMENSIONS OF DISCHARGE DUCT WITH AVAILABLE OPENINGS THROUGH ROOF. MODIFY AND FRAME OPENINGS LARGER OR SMALLER AS REQUIRED. MAINTAIN A MINIMUM OF 3.2 SQUARE FEET FREE AREA. MODIFY DUCT AND TRANSITIONS AS REQUIRED. FIELD VERIFY ALL REQUIREMENTS. THE EXHAUST DUCT OUTLET SHALL BE A MINIMUM OF 3 FEET ABOVE THE FINISHED ROOF, WITH DISCHARGE POINTED TO THE NORTH, AWAY FROM PREVAILING WINDS, AND AWAY FROM BUILDING OPENINGS.

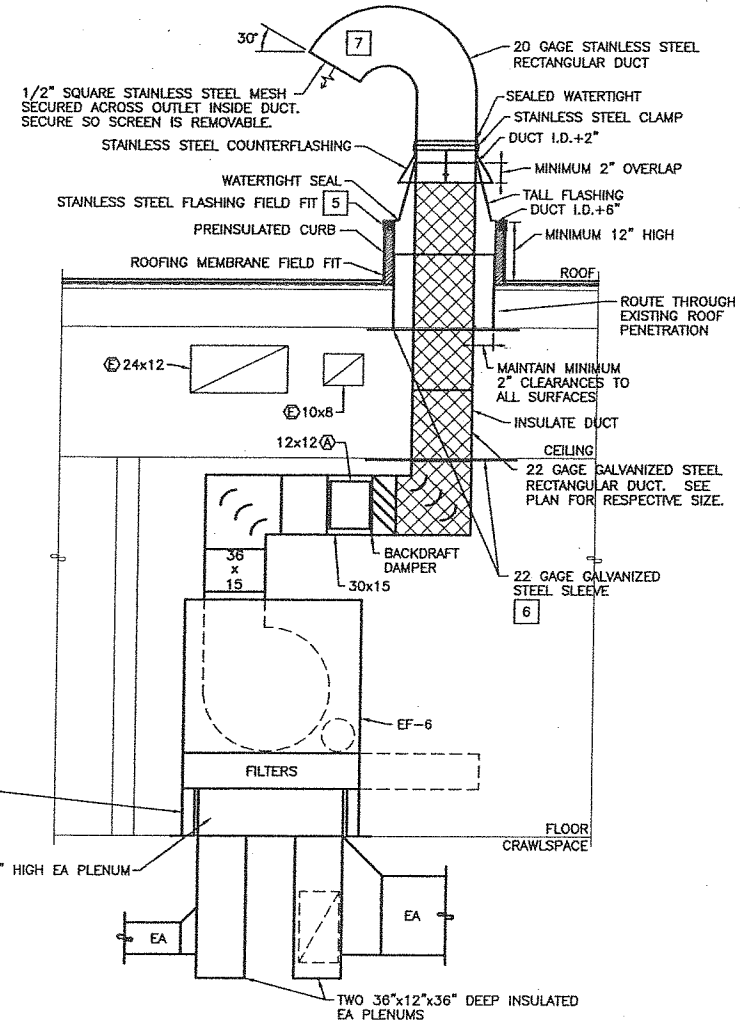
EF6 - classrooms
 EF1 - toilet room exhaust
 EF5 - crawl space



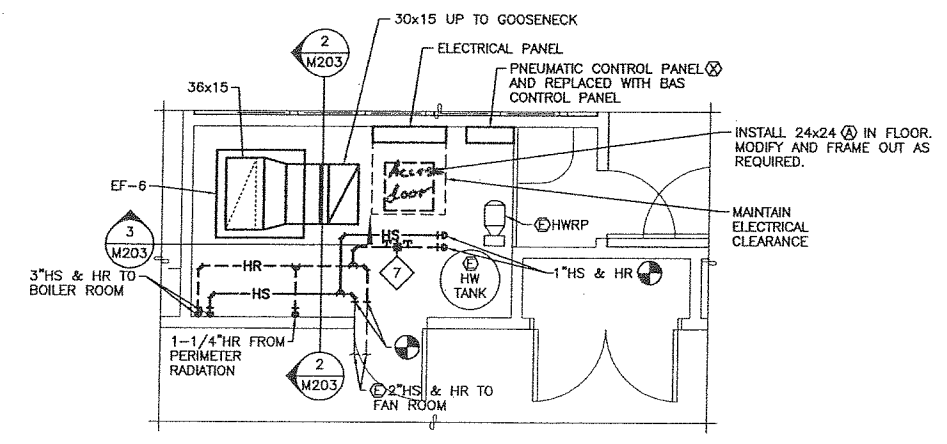
1 FAN ROOM PLAN - INTERMEDIATE SCHOOL SCALE: 0 2' 4' 8'



2 MECHANICAL ROOM SECTION - INTERMEDIATE SCHOOL SCALE: 0 1' 2' 4'



3 MECHANICAL ROOM SECTION - INTERMEDIATE SCHOOL SCALE: 0 1' 2' 4'



4 MECHANICAL ROOM PLAN - INTERMEDIATE SCHOOL SCALE: 0 2' 4' 8'

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS
 P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 △
 SHEET TITLE
FAN AND MECH. ROOM - INTERMEDIATE SCHOOL
 DATE: MAR. 21, 2003
 FILE: 10-121.1

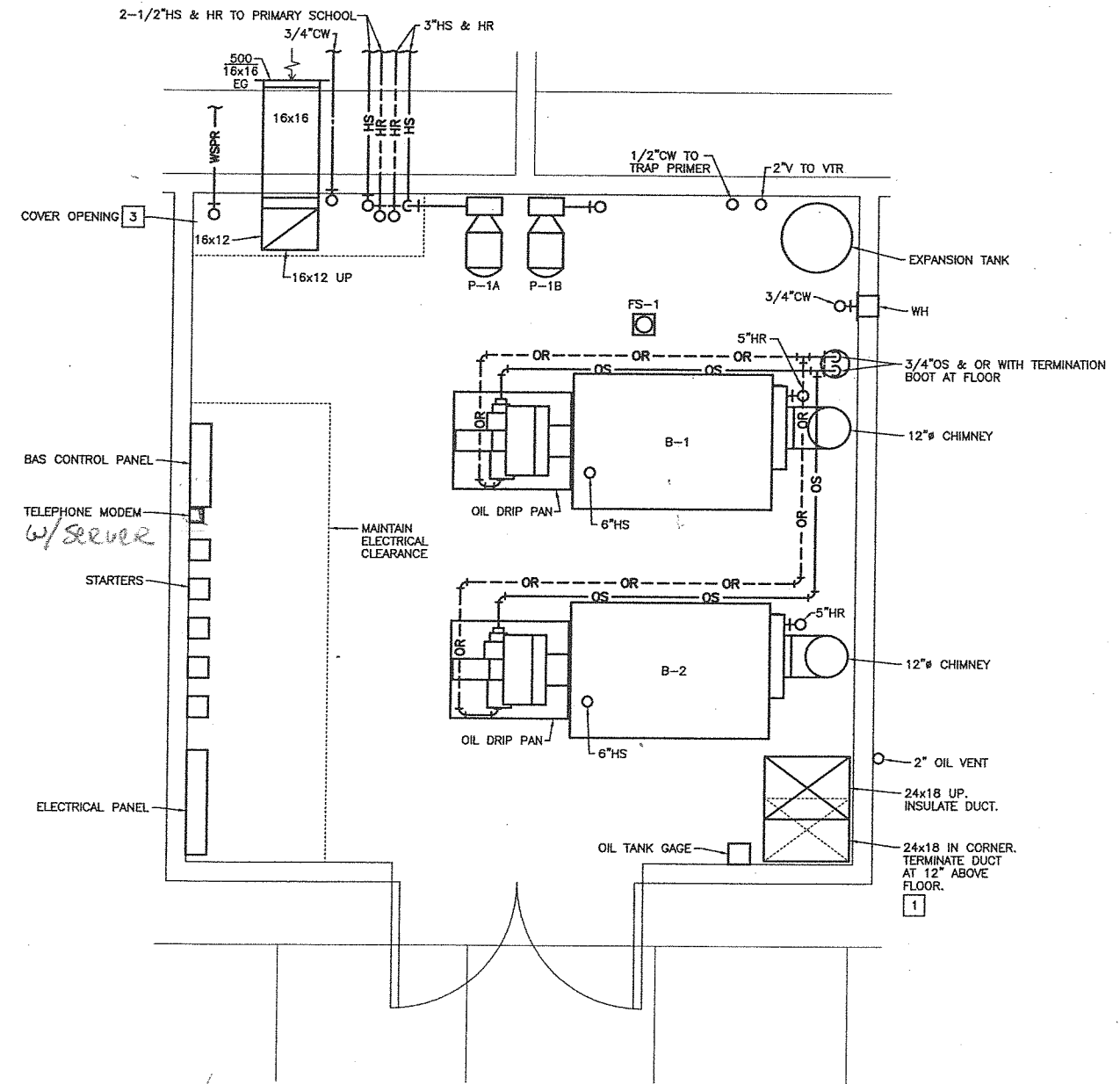
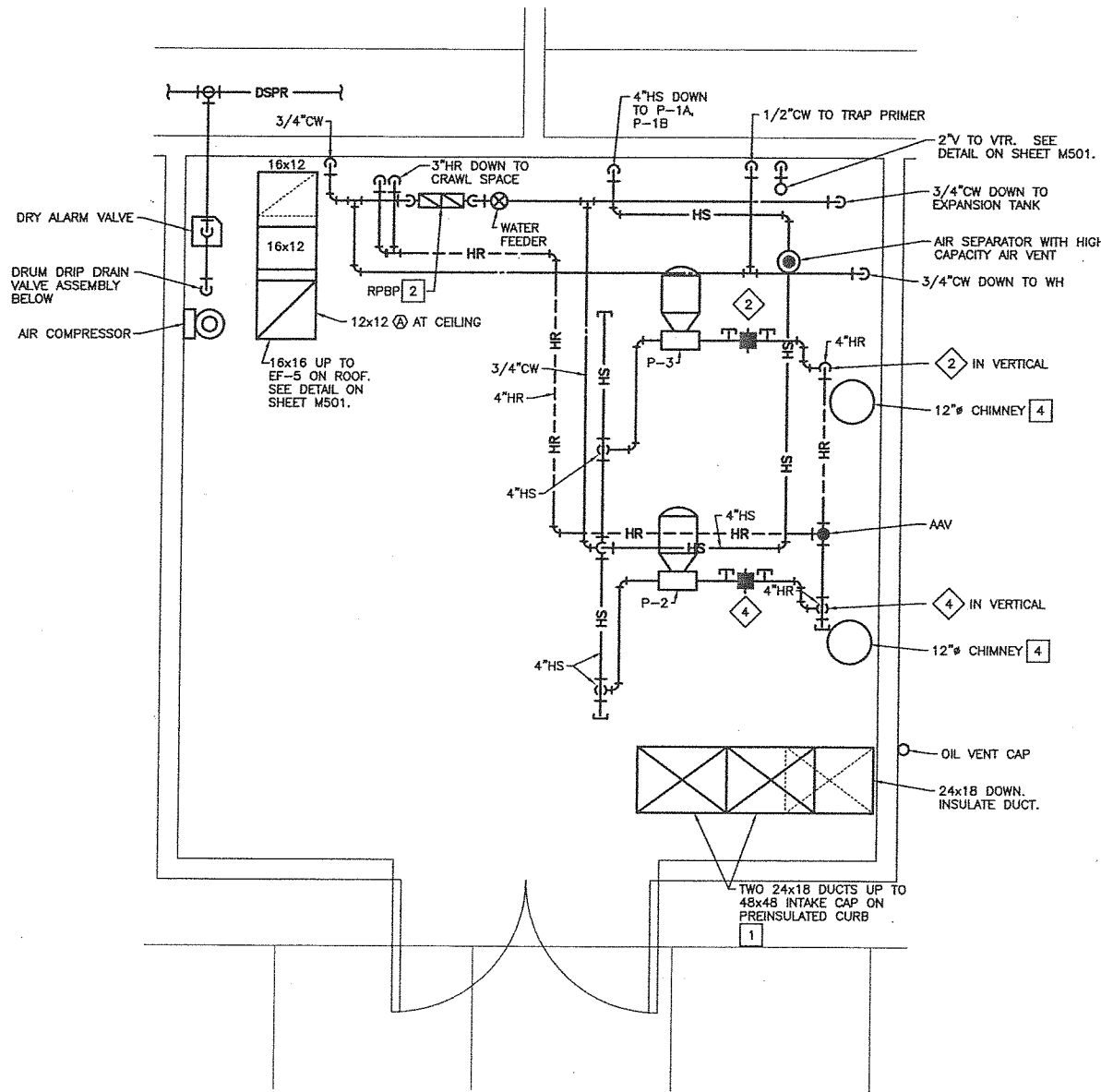
M203

CONSTRUCTION NOTES:

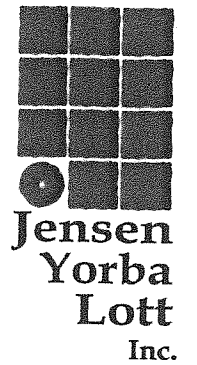
- 1 TWO 24x18 DUCTS AT CEILING UP TO 48x48 INTAKE CAP ON PREINSULATED CURB. INSTALL GALVANIZED SCREEN MESH, 3/4-INCH SQUARE ON UPPER OPENING AT CEILING AND ON LOWER OPENING AT FLOOR. SEE ROOF MOUNTED EXHAUST FAN DETAIL ON SHEET M501 FOR SIMILAR INSTALLATION.
- 2 INSTALL RPBPF AT 5'-0" AFF MAXIMUM.
- 3 COVER OPENING WITH 16 GAGE GALVANIZED SHEET METAL CUT COVER NEATLY AROUND DUCT AND PIPING. SECURE COVER TO FLOOR AND ANGLE BRACKET AT SCHOOL WALL. PROVIDE COVER AND ANGLE BRACKET HEREUNDER.
- 4 INSTALL CHIMNEY THROUGH ROOF WITH VENTILATED THIMBLE ON 12" HIGH PREINSULATED CURB. MINIMUM HEIGHT OF CHIMNEY TOP ABOVE ROOF IS 4'-0".

SHEET NOTE:

1. SEE PIPING DIAGRAM ON SHEET M301 FOR APPURTENANCES.



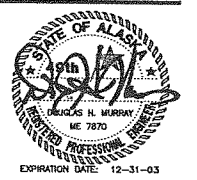
① rods per gravel
 ② 24x18 in corner parts w/ wear sheet call (for etc)



Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbajlott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182



WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA

REVISIONS
 ▲
 ▲
 ▲
 ▲

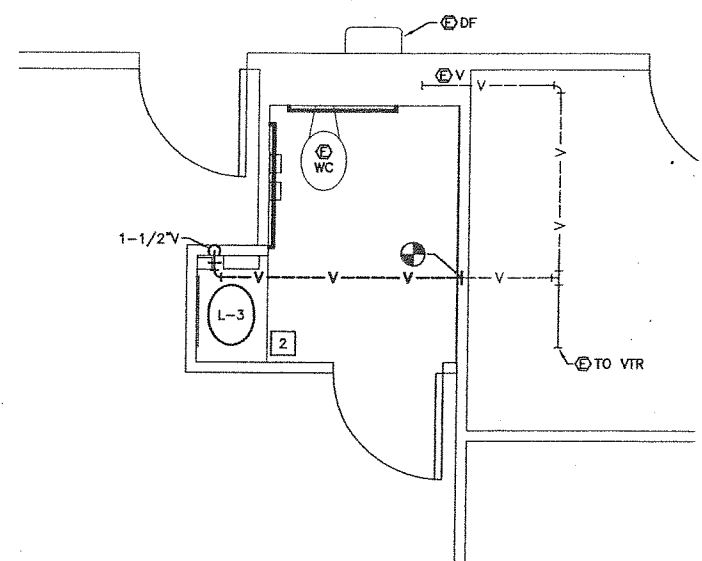
SHEET TITLE
 MECH. 109
 PLANS

DATE: MAR. 21, 2003
 FILE: 10-121.1

M204

1 UPPER MECH. 109 PLAN SCALE: 0 1' 2' 4'

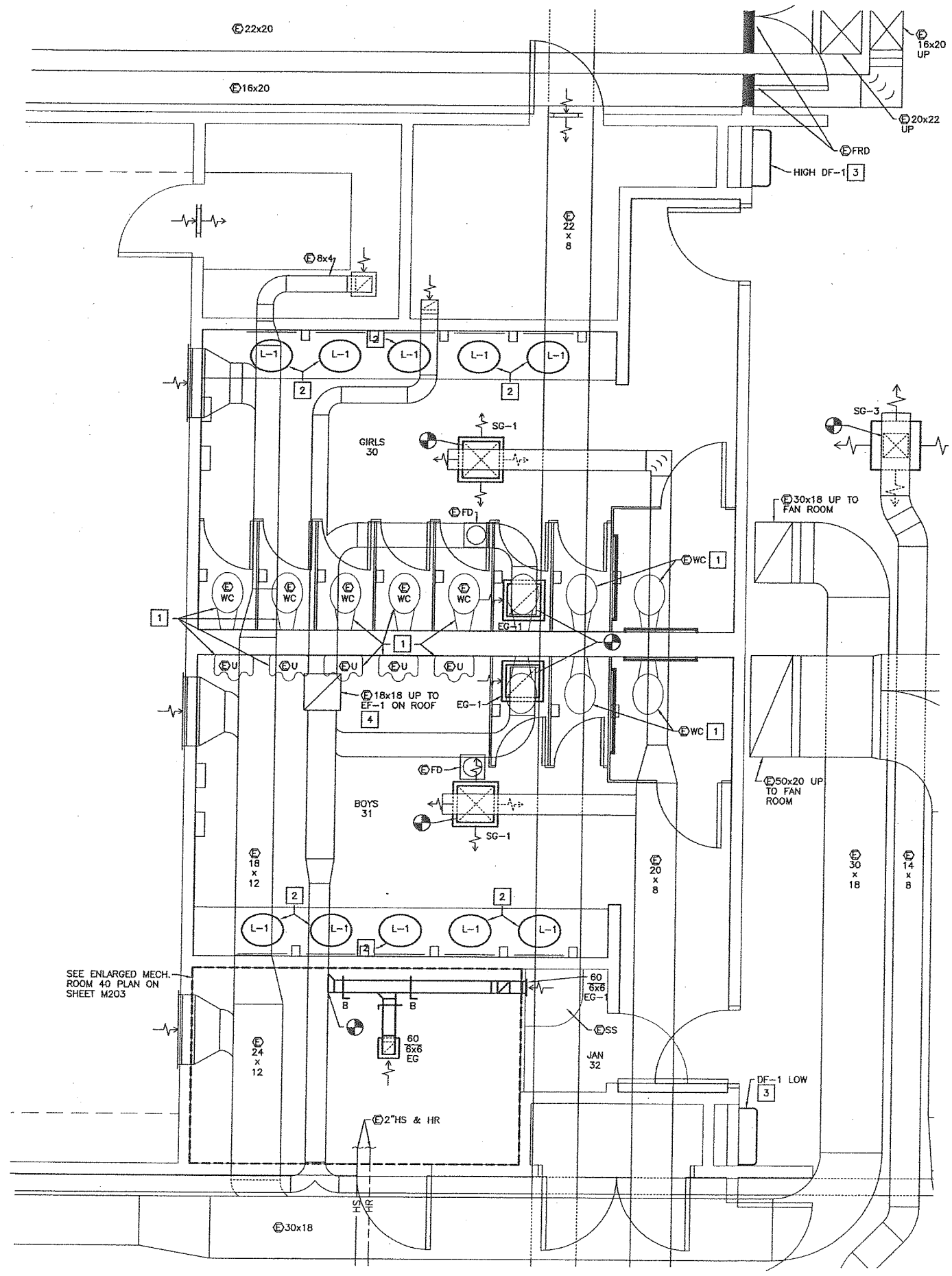
2 LOWER MECH. 109 PLAN SCALE: 0 1' 2' 4'



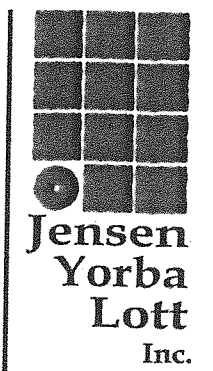
1 ENLARGED FLOOR PLAN INTERMEDIATE SCHOOL
SCALE: 0 2' 4' 8'

CONSTRUCTION NOTES:

- 1 REINSTALL PLUMBING FIXTURE AND CONNECT TO PIPING AFTER WALL FINISH WORK IS COMPLETE. INSTALL NEW GASKET AT WASTE CONNECTION.
- 2 INSTALL PLUMBING FIXTURE AND TRIM. CONNECT CW, HW, W & V PIPING TO EXISTING PIPING.
- 3 INSTALL FIXTURE TO ADA HEIGHT AND LOCATION. INSTALL NEW ADJUSTABLE CHAIR CARRIER FOR HEIGHT REQUIRED. MODIFY, EXTEND, AND CONNECT TO CW, W AND V PIPING AS REQUIRED.
- 4 INSTALL NEW EF-1 ON EXISTING CURB ON ROOF. MODIFY CURB AS REQUIRED.



2 ENLARGED FLOOR PLAN INTERMEDIATE SCHOOL
SCALE: 0 2' 4' 8'



**Jensen
Yorba
Lott
Inc.**
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalott.com

**MURRAY &
ASSOCIATES, P.C.**
CONSULTING ENGINEERS

P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-8151
FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

- △
- △
- △
- △

SHEET TITLE
**TOILET ROOM
FLOOR PLANS-
INTERMEDIATE
SCHOOL**

DATE: MAR 21, 2003
FILE: 10-121.1

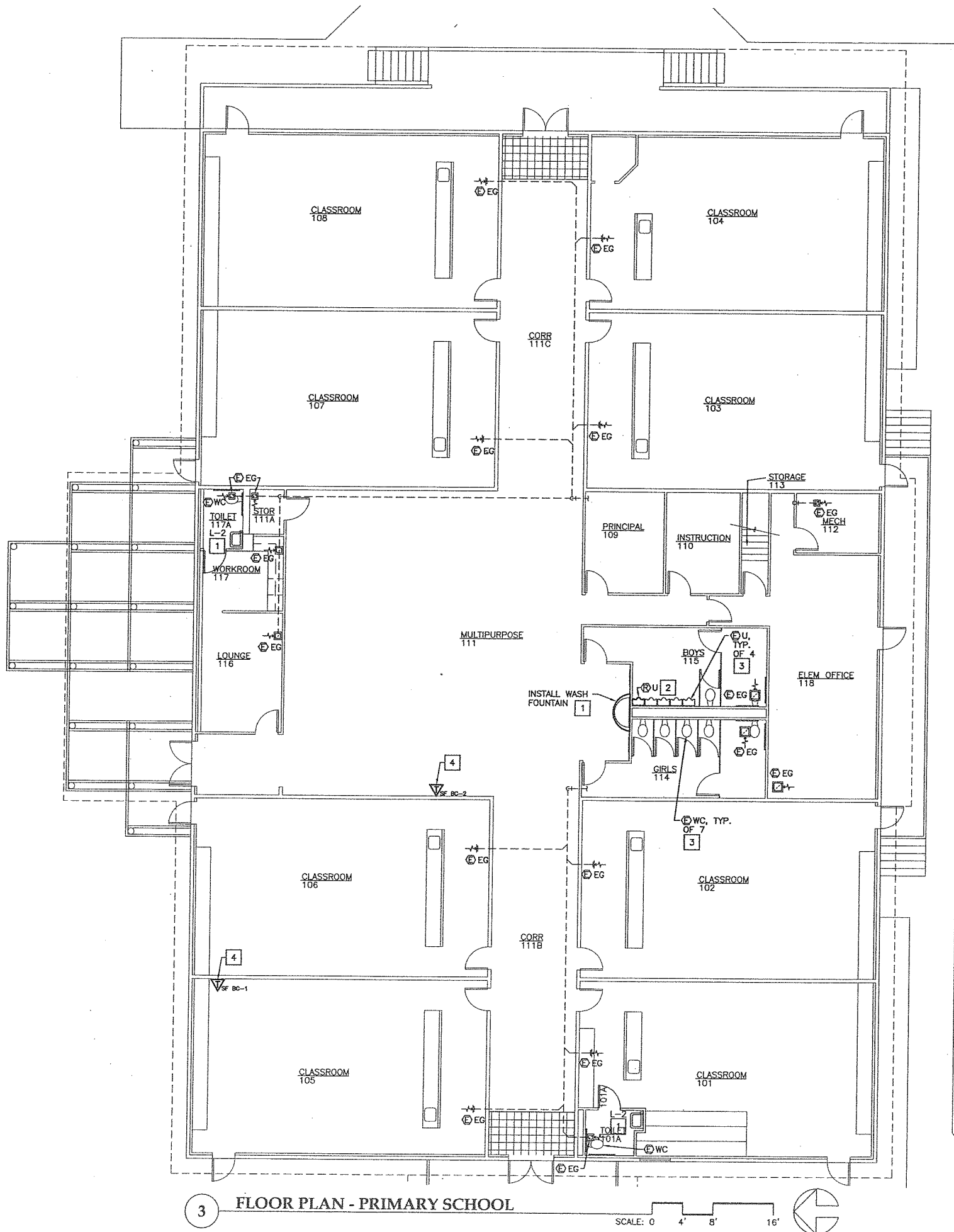
M205

SHEET NOTES:

1. TEST AND BALANCE ALL AIR VOLUMES SHOWN AND IN SCHEDULES ON SHEET M100.
2. ONLY PARTIAL MECHANICAL SYSTEMS ARE SHOWN. VERIFY ON-SITE LOCATIONS AND REQUIREMENTS.

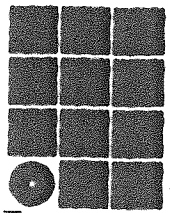
CONSTRUCTION NOTES:

1. INSTALL PLUMBING FIXTURE AND TRIM. MODIFY AND CONNECT CW, HW, W & V PIPING TO EXISTING PIPING AS REQUIRED.
2. RELOCATE FIXTURE TO ADA HEIGHT AND LOCATION. INSTALL NEW ADJUSTABLE CHAIR CARRIER FOR HEIGHT REQUIRED. MODIFY AND CONNECT TO CW, W AND V PIPING AS REQUIRED.
3. REINSTALL PLUMBING FIXTURE AT EXISTING HEIGHT. INSTALL NEW GASKET SEAL ON WASTE PIPING. CONNECT TO CW AND W PIPING AS REQUIRED.
4. INSTALL DDC DEVICE AND CONNECT TO BAS SYSTEM FOR COMPLETE CONTROL OF SEQUENCE OF OPERATION.



3 FLOOR PLAN - PRIMARY SCHOOL

SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**MURRAY &
ASSOCIATES, P.C.**
CONSULTING ENGINEERS

P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-6151
FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

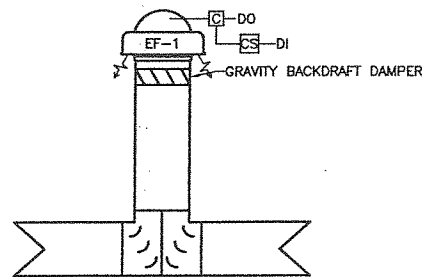
REVISIONS

- △
- △
- △
- △

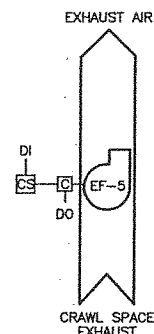
SHEET TITLE
FLOOR PLAN-
PRIMARY SCHOOL

DATE: MAR. 21, 2003
FILE: 10-121.1

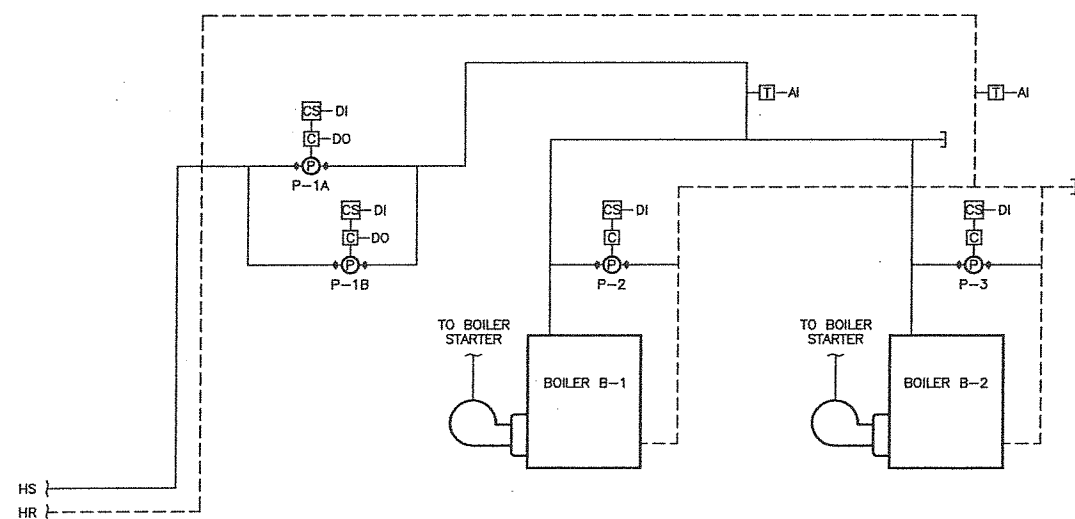
M206



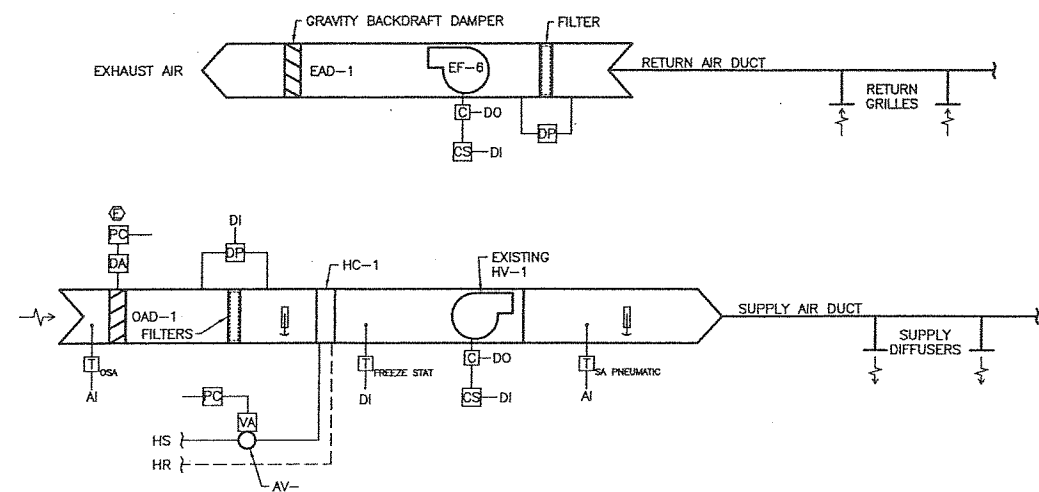
1 EF-1 CONTROL SCHEMATIC
NO SCALE



2 EF-5 CONTROL SCHEMATIC
NO SCALE



3 BOILER CONTROL SCHEMATIC
NO SCALE



4 HV-1 AND RF-1 CONTROL SCHEMATIC
NO SCALE
SIMILAR HV-2, HV-3, AND PRIMARY SF EXCEPT WITH MIXED AIR DAMPERS AND BOOSTER COILS.

SHEET NOTES:

1. THE DIAGRAMS AND POINTS SHOWN HERE ARE SCHEMATIC ONLY. REFER TO SEQUENCE OF OPERATIONS AND DIVISION 17000 OF THE SPECIFICATIONS FOR COMPLETE CONFIGURATION OF THE SYSTEMS. IT IS INTENDED THAT PNEUMATIC VALVE AND DAMPER ACTUATORS BE RETAINED BUT ALL OTHER CONTROLS ARE TO BE REPLACED WITH DDC. COORDINATE REQUIREMENTS WITH POINT SCHEDULE ON M402.
2. ALL SYSTEMS ABBREVIATIONS, FUNCTIONS, AND EQUIPMENT NAMES SHALL BE LISTED IN THE SOFTWARE AND GRAPHICS PACKAGE AS SHOWN HEREUNDER.
3. CONTRACTOR SHALL INVESTIGATE, CHECK, AND CALIBRATE ALL CONTROLS INCLUDING CLASSROOM LV'S AND CUH'S. SUBMIT DEFICIENCY LIST 60 DAYS AFTER NOTICE TO PROCEED.
4. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ALL PNEUMATIC EQUIPMENT THAT IS TO BE REMOVED.
5. SEQUENCE OF OPERATIONS SHOWN IS FOR NEW EQUIPMENT ONLY. SEE REFERENCE DOCUMENTS FOR EXISTING SEQUENCES.

LEGEND

- | | | | |
|---|-----------------------------------|-----|--------------------|
| ⓐ | CONTROLLER | AI | ANALOG INPUT |
| ⓑ | VALVE ACTUATOR | AO | ANALOG OUTPUT |
| Ⓒ | DAMPER ACTUATOR | AV | AUTOMATIC VALVE |
| Ⓓ | THERMOSTAT OR THERMOSTATIC SENSOR | DI | DIGITAL INPUT |
| Ⓔ | DIFFERENTIAL PRESSURE SWITCH | DO | DIGITAL OUTPUT |
| Ⓕ | CURRENT SENSOR | EAD | EXHAUST AIR DAMPER |
| Ⓖ | PNEUMATIC CONTROL | EF | EXHAUST FAN |
| Ⓜ | ROOM THERMOSTATIC SENSOR | HC | HEATING COIL |
| → | AIR DIRECTION | HR | HEATING RETURN |
| Ⓜ | THERMOMETER | HS | HEATING SUPPLY |
| Ⓢ | PUMP | HV | HEATING VENTILATOR |
| | | OAD | OUTSIDE AIR DAMPER |
| | | OSA | OUTSIDE AIR |
| | | P | PUMP |
| | | RF | RETURN FAN |
| | | SA | SUPPLY AIR |

SEQUENCE OF OPERATIONS

EXHAUST FAN EF-6: CLASSROOM EXHAUST: Magnetic start with Hand-Off-Auto switch on the cover, located on the mounting board in Mechanical Room 40 where shown. In the Auto position, RF to operate and respective EAD to open whenever the HV-1 fan system is operating. In the Hand position, RF to operate and respective EAD to open. RF is not to operate until EAD is fully open through use of end switch on damper. Differential Pressure Sensor installed across fan unit to send signal to BAS when in operation. Alarm to be sent to the BAS for confirmation when fan does not operate when commanded on. Current Sensor not acceptable.

EXHAUST FAN EF-1: TOILET ROOM EXHAUST: Magnetic Start with a Hand-Off-Auto switch on the cover, located on the mounting board in Mechanical room where shown. In the Auto position, EF to operate whenever in the Occupied mode. EF to remain off when in Unoccupied mode. In the Hand position, EF to operate. Differential Pressure Sensor installed across fan unit to send signal to BAS when in operation. Alarm is to be sent to the BAS for confirmation when fan does not operate when commanded on. Current Sensor not acceptable.

EXHAUST FAN EF-5: CRAWLSPACE EXHAUST: Magnetic Start with a Hand-Off-Auto switch on the cover, located on the mounting board in Mechanical room where shown. In the Auto position, EF to operate whenever in the Occupied mode. EF to remain off when in Unoccupied mode. In the Hand position, EF to operate. Differential Pressure Sensor installed across fan unit to send signal to BAS when in operation. Alarm is to be sent to the BAS for confirmation when fan does not operate when commanded on. Current Sensor not acceptable.

PUMP P-1A and P-2A: (Radiation Heating Pumps): Magnetic starter with three position switch, located on the mounting board in the Mechanical Room where shown. In Auto position, pump to operate whenever in the Occupied Mode unless shut off by OSA thermostat control or whenever in Unoccupied mode and activated by Night setback mode. OSA thermostat to shutoff pump when outside air temperature reaches above an adjustable 60F during unoccupied mode. When activated in night setback mode, pump to operate until lowest room temperature rises above 65F. In the Hand position, the pump operates. Only one pump to operate at a time. Pumps operate in Primary/Standby operation with pumps switching primary/standby designation once per month. If Primary pump fails to operate after a delay of one minute, Standby pump switches to Primary designation. Alarm activated on BAS if either pumps fails. Current Sensor is acceptable for pump status.

PUMP P-2 and P-3: Magnetic starter with H-O-A mounted on the mounting board where shown in the Boiler Room. In the On position, respective pump is to operate whenever burner operates. Non-DDC control. Coordinate with electrical work.

AUTOMATIC VALVE SCHEDULE

AUTOMATIC VALVE NUMBER	FUNCTION	LOCATION	DESIGN FLOW (GPM)	MAXIMUM PRESSURE DROP (Psi)	PNEUMATIC (P) OR ELECTRIC (E) ACTUATOR	COMMENTS
AV-1	HV-1	FAN ROOM	1.9	3	P	PROVIDE SPARE VALVE AND ACTUATOR
AV-2	HV-2A	-	3.0	3	P	PROVIDE SPARE VALVE AND ACTUATOR
AV-3	HV-2B	-	4.6	3	P	PROVIDE SPARE VALVE AND ACTUATOR
AV-4	HV-3A	-	7.2	3	P	PROVIDE SPARE VALVE AND ACTUATOR
AV-5	HV-3B	-	8.5	3	P	-
AV-6	HV-3C	-	5.9	3	P	-
AV-7	HW TANK	MECH. RM 40	8	3	E	CONNECT TO ⓐ CONTROL

Jensen Yorba Lott Inc.
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbaltott.com

MURRAY & ASSOCIATES, P.C.
CONSULTING ENGINEERS
P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-8151
FAX: 907 780-8182

STATE OF ALASKA
PROFESSIONAL ENGINEER
EXPIRATION DATE: 12-31-03

WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS
△
△
△
△
△
SHEET TITLE
CONTROLS
DATE: MAR. 21, 2003
FILE: 10-121.1

M401

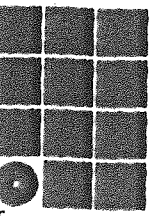
POINT SCHEDULE *

EQUIPMENT	LOCATION	ENABLE/DISABLE	EQUIPMENT FAIL ALARM	PROGRAM CLOCK	NIGHT SETBACK	OSA TEMP.	DIRTY FILTER ALARM	MA THERMOSTAT	OAD	RAD	EAD	SA THERMOSTAT	HEATING COIL AV	LOW LIMIT CONTROL AND ALARM	AUTOMATIC VALVE	ROOM THERMOSTAT	CURRENT SENSORS	FLUID TEMPERATURE
P-1A	INTERMEDIATE SCHOOL BOILER ROOM 109	DO	X	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
P-1B	INTERMEDIATE SCHOOL BOILER ROOM 109	DO	X	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
P-2	INTERMEDIATE SCHOOL BOILER ROOM 109	DO	X	-	-	AI	-	-	-	-	-	-	-	-	-	-	DI	-
P-3	INTERMEDIATE SCHOOL BOILER ROOM 109	DO	X	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
B-1	INTERMEDIATE SCHOOL BOILER ROOM 109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AI
B-2	INTERMEDIATE SCHOOL BOILER ROOM 109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	AI
EF-1	INTERMEDIATE SCHOOL TOILET ROOMS	DO	X	1	AI	-	-	-	-	-	-	-	-	-	-	-	DI	-
EF-5	INTERMEDIATE SCHOOL BOILER ROOM 109	DO	X	1	AI	-	-	-	-	-	-	-	-	-	-	-	DI	-
EF-6	INTERMEDIATE SCHOOL MECHANICAL ROOM	DO	X	1	AI	-	DI	-	-	-	-	-	-	-	-	-	DI	-
ⓄCUH	INTERMEDIATE SCHOOL VESTIBULE 45	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	INTERMEDIATE SCHOOL VESTIBULE 33	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	INTERMEDIATE SCHOOL VESTIBULE 01	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	INTERMEDIATE SCHOOL VESTIBULE 01	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 101	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 102	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
▽	INTERMEDIATE SCHOOL CLASSROOM 102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 103	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 104	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 105	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 106	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 107	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄUV	INTERMEDIATE SCHOOL CLASSROOM 108	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄEF-3	INTERMEDIATE SCHOOL FACULTY 11	Ⓞ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ⓄEF-4	INTERMEDIATE SCHOOL SUPERINTENDENT OFFICE 03	Ⓞ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ⓄHWRP	INTERMEDIATE SCHOOL MECHANICAL ROOM	-	-	-	-	-	-	-	-	-	-	-	-	-	E	-	-	-
ⓄHV-1	INTERMEDIATE SCHOOL FAN ROOM	DO	X	1	AI	AI	DI	-	P	-	-	AI	P	DI	-	AI	DI	-
ⓄHV-2	INTERMEDIATE SCHOOL FAN ROOM	DO	X	1	AI	-	DI	DI	P	P	P	(3) AI	(3) P	DI	-	(2) AI	DI	-
ⓄHV-3	INTERMEDIATE SCHOOL FAN ROOM	DO	X	1	AI	-	DI	DI	P	P	P	(4) AI	(4) P	DI	-	(3) AI	DI	-
ⓄRF-1	INTERMEDIATE SCHOOL FAN ROOM	DO	X	1	AI	-	-	-	-	-	P	-	-	-	-	-	DI	-
ⓄRF-2	INTERMEDIATE SCHOOL FAN ROOM	DO	X	1	AI	-	-	-	-	-	P	-	-	-	-	-	DI	-
ⓄEF-7	CRAWLSPACE, SOUTHWEST	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
-	FIRE ALARM	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	TROUBLE ALARM - FIRE ALARM	-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ⓄSF	PRIMARY SCHOOL FAN ROOM	DO	X	1	AI	AI	DI	AI	(3) P	-	P	AI	P	DI	-	-	DI	-
ⓄRF	PRIMARY SCHOOL FAN ROOM	DO	X	1	AI	-	-	-	-	P	-	-	-	-	-	-	DI	-
ⓄEF	PRIMARY SCHOOL FAN ROOM	DO	X	1	-	-	-	-	-	-	P	-	-	-	-	-	DI	-
ⓄSF BC-1	PRIMARY SCHOOL FAN ROOM	-	-	-	-	-	-	-	-	-	AI	ⓄP	-	-	-	AI	-	-
ⓄSF BC-2	PRIMARY SCHOOL FAN ROOM	-	-	-	-	-	-	-	-	-	AI	ⓄP	-	-	-	AI	-	-
ⓄP-3	PRIMARY SCHOOL MECHANICAL ROOM 112	DO	X	-	-	-	-	-	-	-	-	-	-	-	-	-	DI	-
ⓄHWRP	PRIMARY SCHOOL MECHANICAL ROOM 112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 101	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 102	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 103	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 104	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 105	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 106	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 107	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL CLASSROOM 108	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL LOUNGE 103	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL WORKROOM 104	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL TOILET 105	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL ELEM OFFICE 118	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄFP	PRIMARY SCHOOL ELEM OFFICE 118	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	PRIMARY SCHOOL CORRIDOR 110	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	PRIMARY SCHOOL CORRIDOR 110	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCUH	PRIMARY SCHOOL MULTIPURPOSE 107	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-
ⓄCV	PRIMARY SCHOOL QUIET 123	-	-	-	-	-	-	-	-	-	-	-	-	-	ⓄP	ⓄP	-	-

X = INCLUDED; BLANK (-) = NOT INCLUDED; AI = ANALOG INPUT; AO = ANALOG OUTPUT; DI = DIGITAL INPUT; DO = DIGITAL OUTPUT; P = PNEUMATIC CONTROL; # = SEE SHEET NOTE; (NO.) = NUMBER OF POINTS; E = ELECTRIC; Ⓞ = EXISTING
 * = PROVIDE MICROZONES (OR EQUAL) FOR EACH FAN SYSTEM AND AS NEEDED FOR ROOM TEMPERATURE CONTROL. ALL DEVICES HOMERUN TO AT LEAST ONE FAN ROOM OR MECHANICAL ROOM. SEE SHEET NOTE INDICATED FOR ADDITIONAL INFORMATION.

SHEET NOTES:

- ALL DEVICES AND EQUIPMENT SHOWN ON THIS SHEET ARE TO BE PROVIDED AND INSTALLED HEREUNDER UNLESS INDICATED OTHERWISE. DEVICES MAY REQUIRE RECONNECTION TO EXISTING EQUIPMENT. VERIFY ALL EXISTING CONDITIONS AND REQUIREMENTS ON-SITE, INCLUDING POWER AND PNEUMATIC TO ELECTRIC INTERFACE, AND PROVIDE AS REQUIRED FOR COMPLETION OF SYSTEM AS INTENDED.
- ALL EXISTING DEVICES AND EQUIPMENT ARE TO BE CHECKED AND CALIBRATED. ALL DEFICIENCIES ARE TO BE REPORTED IN WRITTEN FORM WITH COMPLETE COST OF CORRECTION TO PROJECT MANAGER MINIMUM OF 6 WEEKS PRIOR TO SUBSTANTIAL COMPLETION OF PROJECT.
- EXISTING ANALOG EQUIPMENT CONTROLLERS AND SYSTEM PROGRAM CLOCKS TO BE ENTIRELY REMOVED. NEW EQUIPMENT AND SYSTEM PROGRAM CLOCKS TO BE INCORPORATED INTO DDC SYSTEM FOR EACH SCHOOL.
- ENTIRE OPERATION AND ALARM SCHEDULES ARE TO BE COORDINATED WITH SCHOOL AND APPROVED REPRESENTATIVES AND PROJECT MANAGER'S COMPLETE INPUT. ALL CHANGES AND ADDITIONS TO SOFTWARE PROGRAMMING ARE TO BE DONE AT NO ADDITIONAL COST TO OWNER AND COMPLETED BEFORE FINAL INSPECTION OF SYSTEM AND DURING WARRANTY PERIOD.



**Jensen
Yorba
Lott
Inc.**

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

**MURRAY &
ASSOCIATES, P.C.**
CONSULTING ENGINEERS

P O BOX 21081
JUNEAU, ALASKA 99802
TEL: 907 780-6151
FAX: 907 780-6182



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

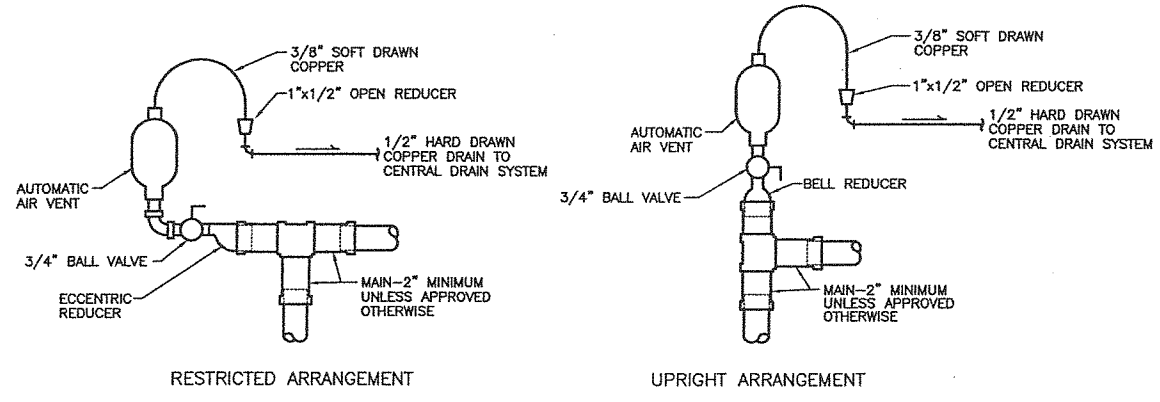
REVISIONS

- △
- △
- △
- △

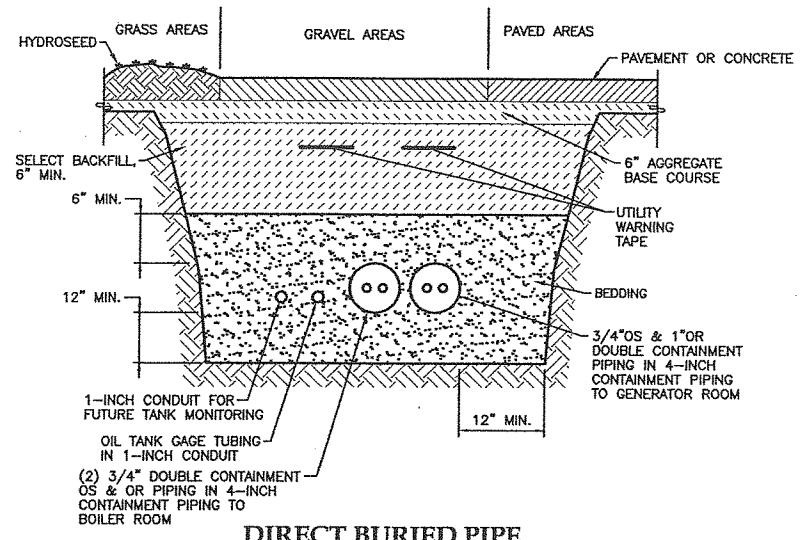
SHEET TITLE
POINT
SCHEDULE

DATE MAR. 21, 2003
FILE: 10-121.1

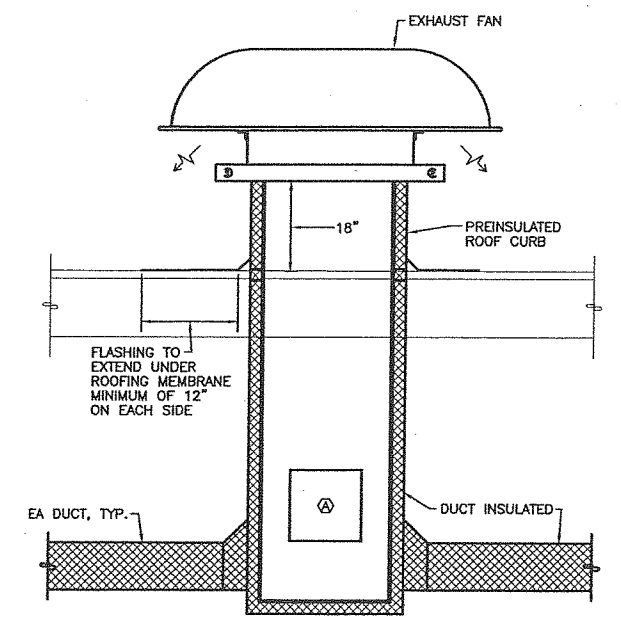
M402



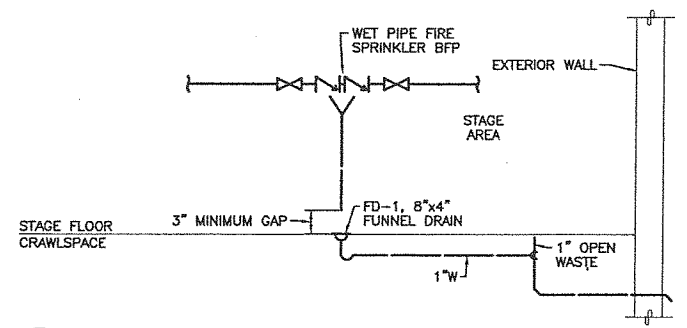
1 AUTOMATIC AIR VENT DETAILS
NO SCALE



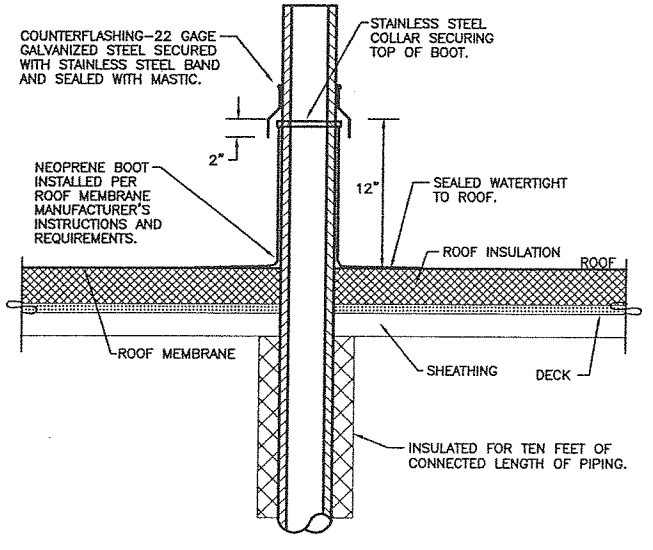
2 DIRECT BURIED PIPE TRENCH DETAIL
NO SCALE



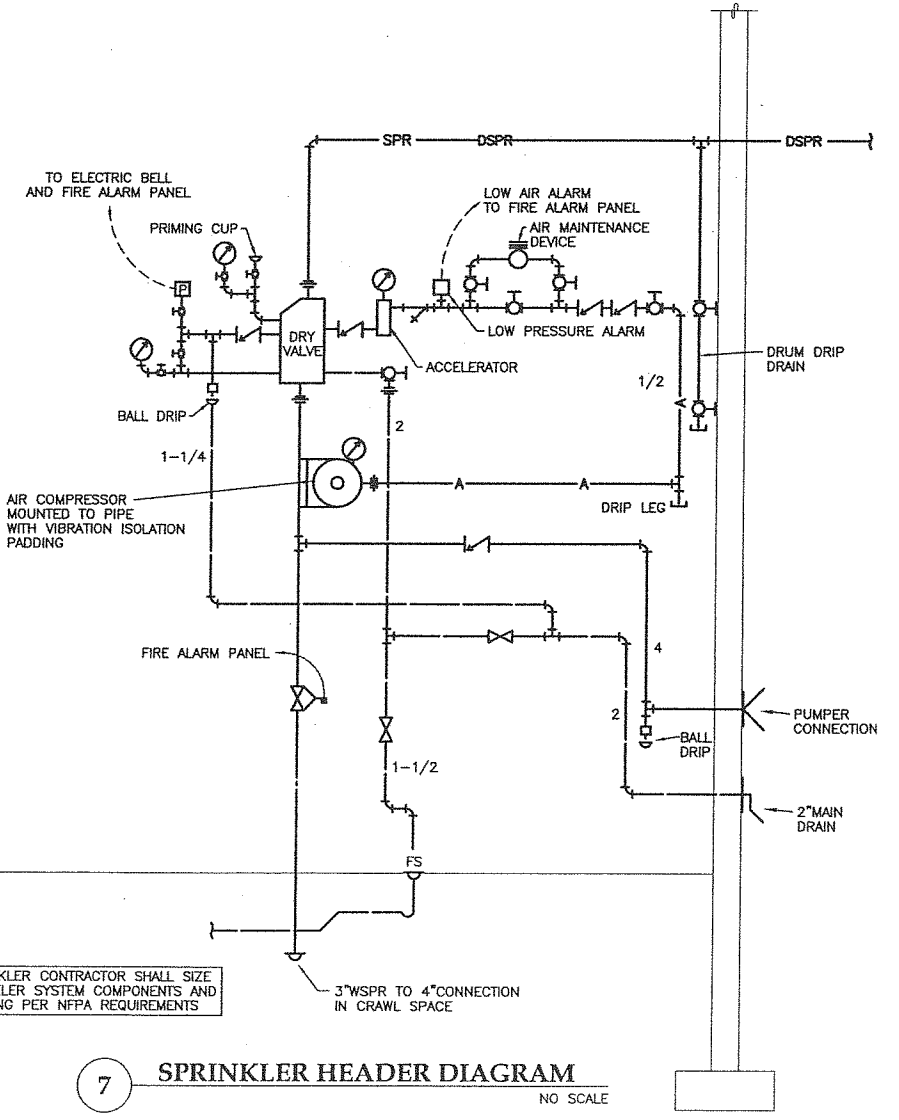
6 EXHAUST FAN DETAIL
NO SCALE



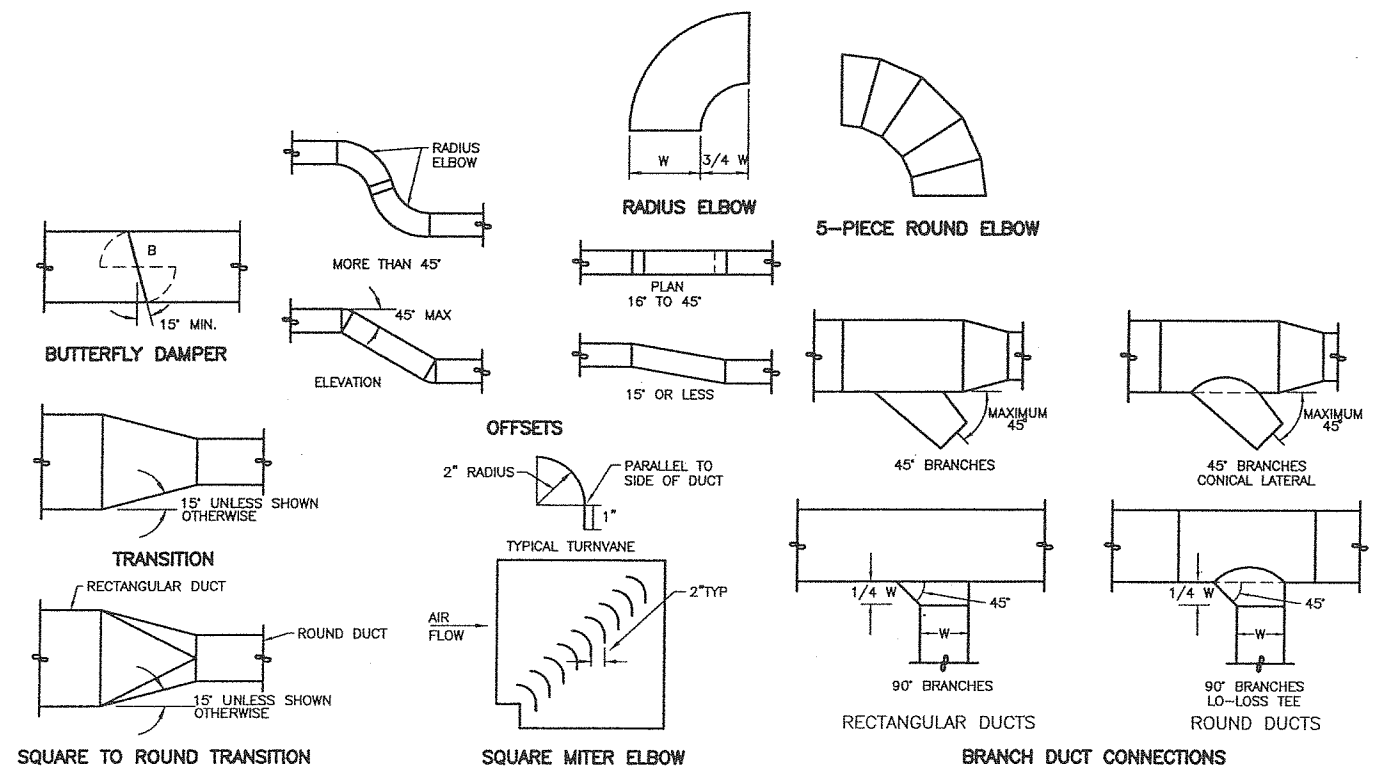
3 BACKFLOW PREVENTER DRAIN DETAIL
NO SCALE



4 VENT THROUGH ROOF DETAIL
NO SCALE



7 SPRINKLER HEADER DIAGRAM
NO SCALE



5 DUCT CONSTRUCTION DETAILS
NO SCALE

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

MURRAY & ASSOCIATES, P.C.
 CONSULTING ENGINEERS

P O BOX 21081
 JUNEAU, ALASKA 99802
 TEL: 907 780-6151
 FAX: 907 780-6182

STATE OF ALASKA
 PROFESSIONAL ENGINEER
 EXPIRATION DATE: 12-31-03

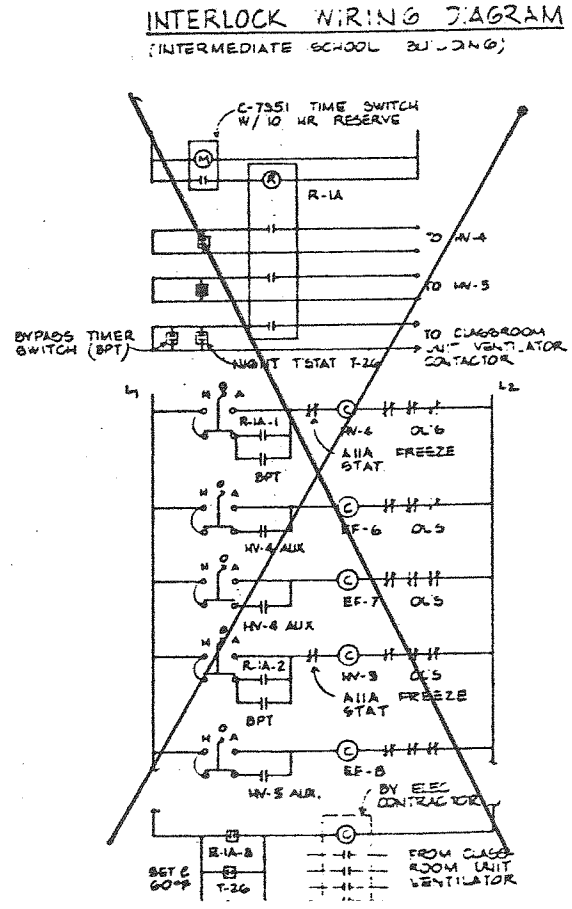
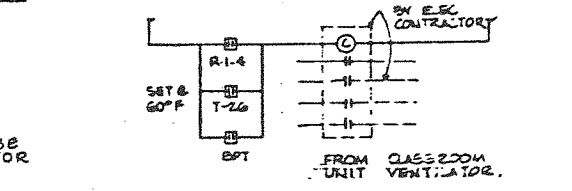
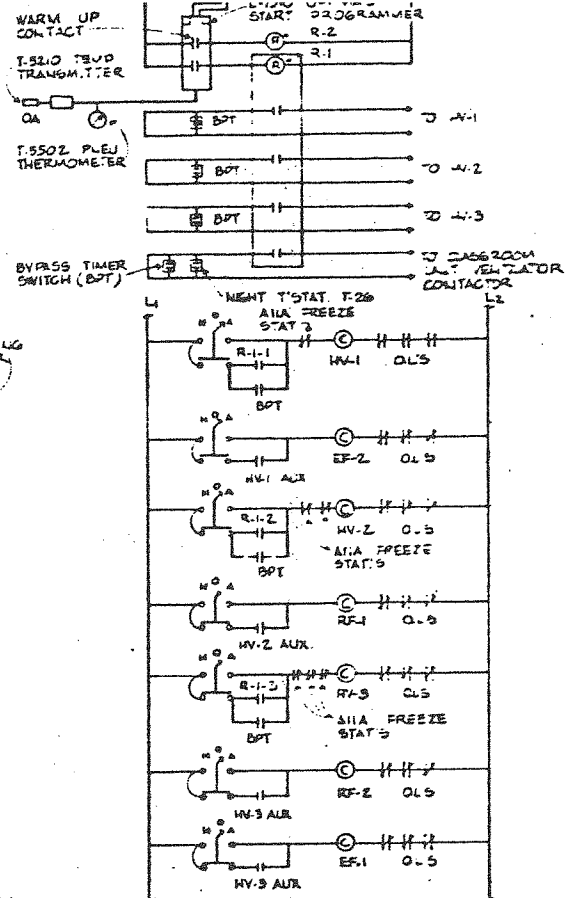
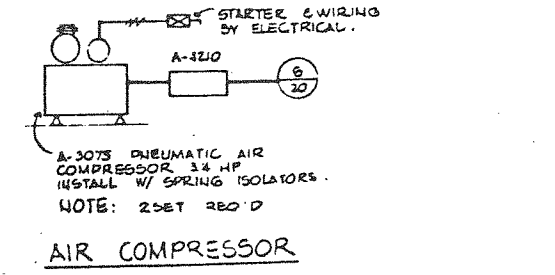
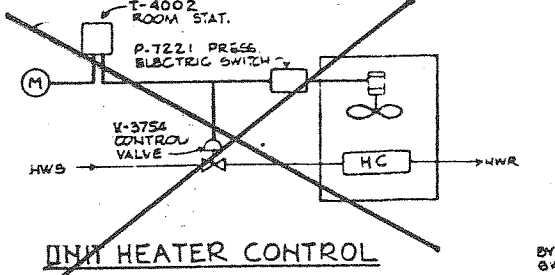
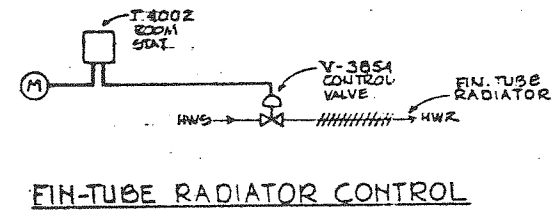
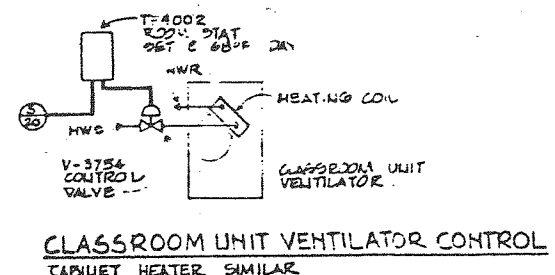
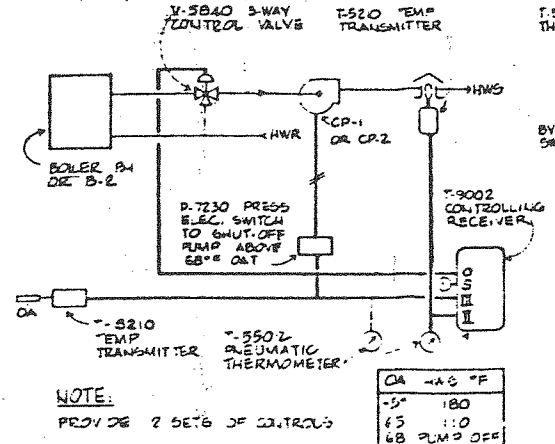
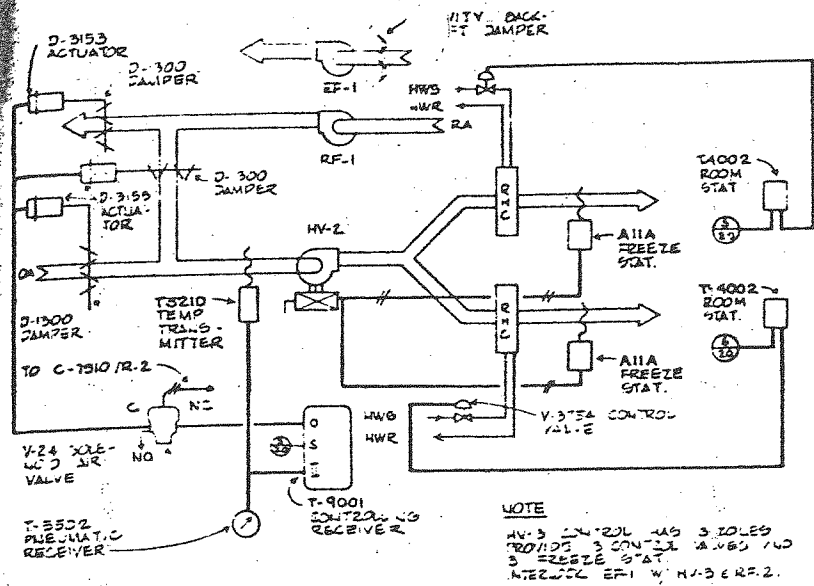
WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA

REVISIONS
 △
 △
 △
 △

SHEET TITLE
 DETAILS

DATE: MAR. 21, 2003
 FILE: 10-121.1

M501



HV-1 CONTROL

1. A T-5210 TEMPERATURE TRANSMITTER IN THE OUTSIDE AIR SHALL THROUGH A T-9001 RECEIVER CONTROLLER MODULATE A V-3754 NO. VALVE ON THE HEATING COIL.
2. AN A1A-1 MANUAL RESET FREEZE THERMOSTAT SHALL SHUT DOWN THE FAN ON SENSING TEMPERATURE BELOW SET POINT.
3. ON FAN START UP A V-24 SOLENOID AIR VALVE SHALL OPEN THE OA DAMPER. FAN SHALL NOT BE ALLOWED TO START UNTIL DAMPER IS 100% OPEN.

HV-2 CONTROL (2 ZONES)

1. A T-5210 TEMPERATURE TRANSMITTER IN THE MIXED AIR SHALL THROUGH A T-9001 RECEIVER CONTROLLER MODULATE THE OA, RA, & EA DAMPERS TO MAINTAIN 55°F MIXED AIR.
2. A T-4002 ROOM TSTAT SHALL MODULATE A V-3754 HOT WATER COIL VALVE TO MAINTAIN SPACE TEMPERATURE.
3. AN A1A-1 MANUAL RESET FREEZE THERMOSTAT SHALL SHUT DOWN FAN ON SENSING TEMPERATURE BELOW SET POINT.
4. A C-7510 OPTIMAL START PROGRAMMER (OSP) SHALL DELAY THE START OF THE HV UNIT DEPENDENT ON OA TEMPERATURE AND BUILDING "J" FACTOR.
5. THE OSP SHALL ALSO PROVIDE A WARM-UP CYCLE BY CLOSING THE OA DAMPER AND EA DAMPER AND OPENING THE RA DAMPER UNTIL 30 MINUTES (ADJUSTABLE) PRIOR TO OCCUPANCY.

HV-3 CONTROL (3 ZONES)
SAME AS HV-2 CONTROL.

HV-4 CONTROL
SAME AS HV-1 CONTROL.

HV-5 CONTROL
SAME AS HV-1 CONTROL.

HEATING HOT WATER CONTROL (2 ZONES)

1. HOT WATER SUPPLY TEMPERATURE AS SENSED BY A T-5210 TEMPERATURE TRANSMITTER SHALL THROUGH A T-9002 RECEIVER CONTROLLER MAINTAIN TEMPERATURE AS SCHEDULED BY A ROOM T-5210 AT THE OUTSIDE AIR. WHEN OA TEMPERATURE RISES ABOVE 68°F THE HW PUMP SHALL BE DEENERGIZED.

CLASSROOM UNIT VENTILATOR (CUV) CONTROL

1. A T-4002 ROOM TSTAT SHALL MAINTAIN SPACE TEMPERATURE BY MODULATING A V-3754 NO HOT WATER VALVE.

CABINET HEATER CONTROL
SAME AS CLASSROOM UNIT VENTILATOR.

FIN-TUBE RADIATOR CONTROL
SAME AS CLASSROOM UNIT VENTILATOR.

UNIT HEATER CONTROL

1. A T-4002 ROOM TSTAT SHALL MAINTAIN SPACE TEMPERATURE BY MODULATING A V-3754 NO HOT WATER VALVE. WHEN HEATING COIL VALVE IS CLOSED A P-7221 PE SWITCH SHALL DEENERGIZE THE FAN.

NIGHT SET BACK

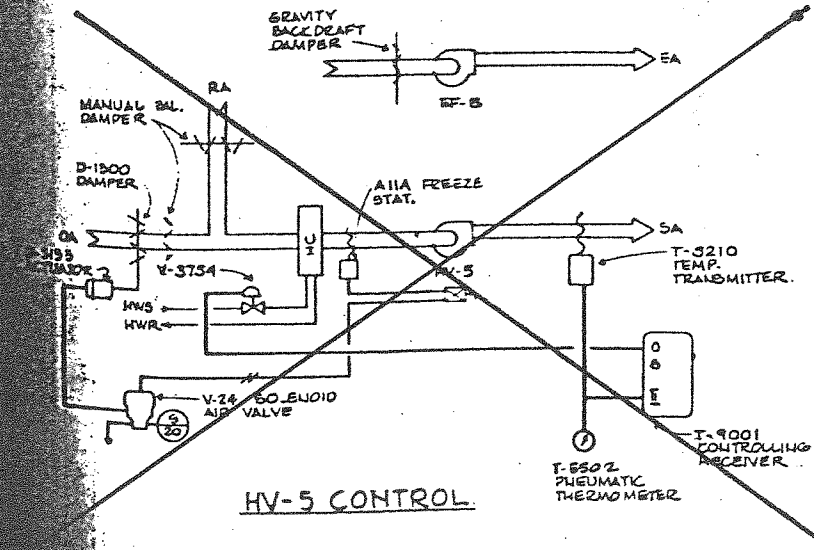
1. A T-26 ROOM THERMOSTAT SHALL CYCLE THE CLASSROOM UNIT VENTILATOR FAN WHEN SPACE TEMPERATURE DROPS BELOW 60°F. A BYPASS TIMER SWITCH (BPT) SHALL ALLOW OVERRIDES OF THE TIME CLOCK.

BOILER RM VENTILATION CONTROL

1. WHEN BOILER RM TEMP RISES STAT SHALL ACTIVATE FAN.

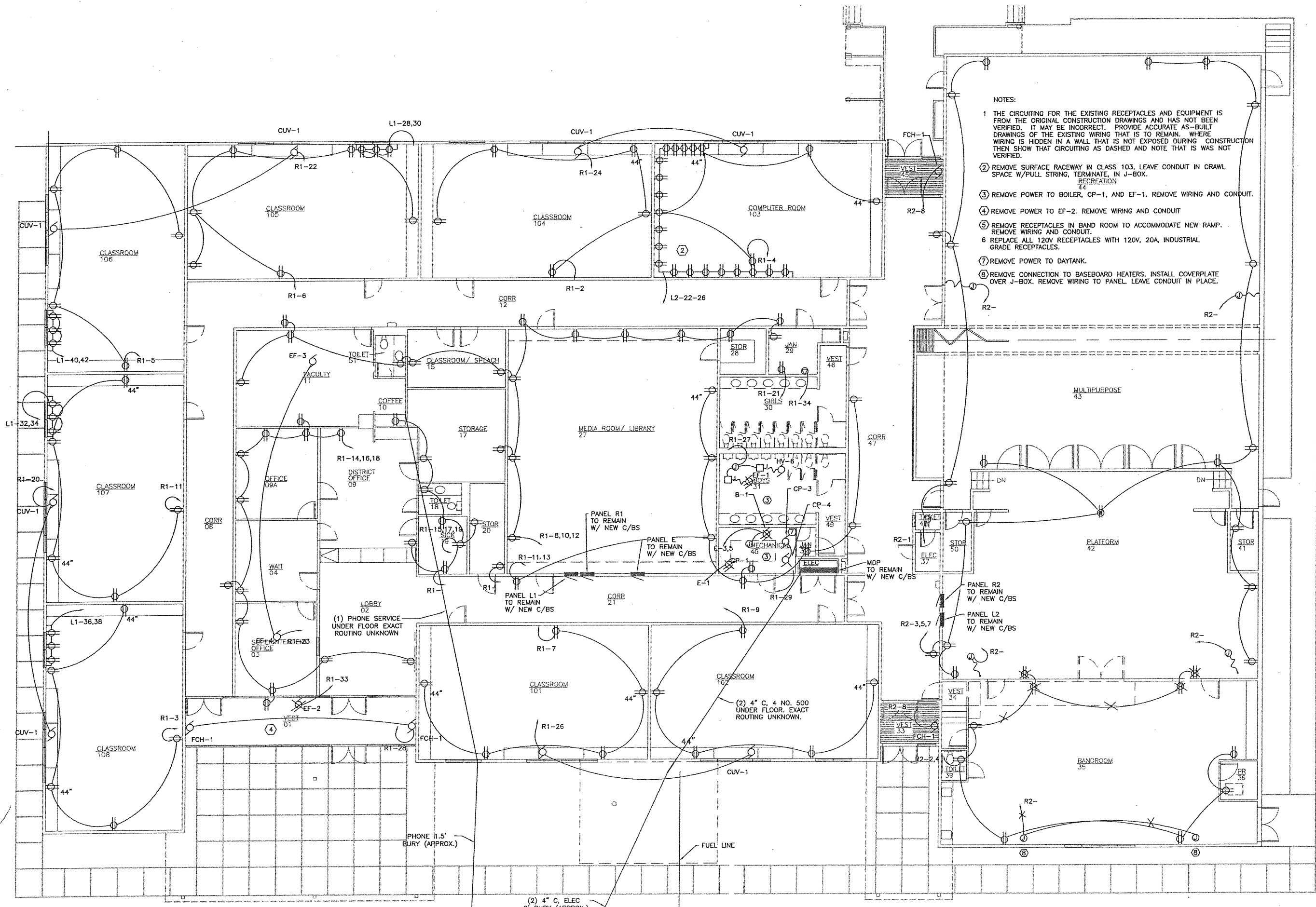
SHEET NOTE:

1. BYPASS TIMER SWITCHES SHALL BE MOUNTED ON TEMPERATURE CONTROL PANEL FACE.



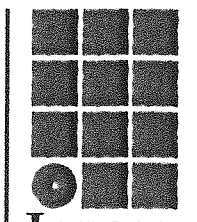
REFERENCE CONTROL PRINT
WRANGELL INTERMEDIATE
SCHOOL

GRAHAM ARCHITECTS
DATE
WRANGELL INTERMEDIATE SCHOOL



- NOTES:
- 1 THE CIRCUITING FOR THE EXISTING RECEPTACLES AND EQUIPMENT IS FROM THE ORIGINAL CONSTRUCTION DRAWINGS AND HAS NOT BEEN VERIFIED. IT MAY BE INCORRECT. PROVIDE ACCURATE AS-BUILT DRAWINGS OF THE EXISTING WIRING THAT IS TO REMAIN. WHERE WIRING IS HIDDEN IN A WALL THAT IS NOT EXPOSED DURING CONSTRUCTION THEN SHOW THAT CIRCUITING AS DASHED AND NOTE THAT IT WAS NOT VERIFIED.
 - 2 REMOVE SURFACE RACEWAY IN CLASS 103. LEAVE CONDUIT IN CRAWL SPACE W/PULL STRING, TERMINATE, IN J-BOX.
 - 3 REMOVE POWER TO BOILER, CP-1, AND EF-1. REMOVE WIRING AND CONDUIT.
 - 4 REMOVE POWER TO EF-2. REMOVE WIRING AND CONDUIT.
 - 5 REMOVE RECEPTACLES IN BAND ROOM TO ACCOMMODATE NEW RAMP. REMOVE WIRING AND CONDUIT.
 - 6 REPLACE ALL 120V RECEPTACLES WITH 120V, 20A, INDUSTRIAL GRADE RECEPTACLES.
 - 7 REMOVE POWER TO DAYTANK.
 - 8 REMOVE CONNECTION TO BASEBOARD HEATERS. INSTALL COVERPLATE OVER J-BOX. REMOVE WIRING TO PANEL LEAVE CONDUIT IN PLACE.

1 DEMO & EXISTING FLOOR PLAN INTERMEDIATE SCHOOL - POWER
 SCALE: 0 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552

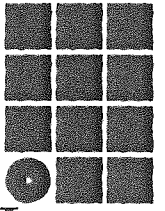


**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △

SHEET TITLE
**DEMO & EXISTING
 FLOOR PLAN
 INTERMEDIATE
 SCHOOL - POWER**
 DATE: MARCH 21, 2003
 FILE: 109-18

E101



**Jensen
Yorba
Lott**
Inc.

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

IHH
ELECTRICAL

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

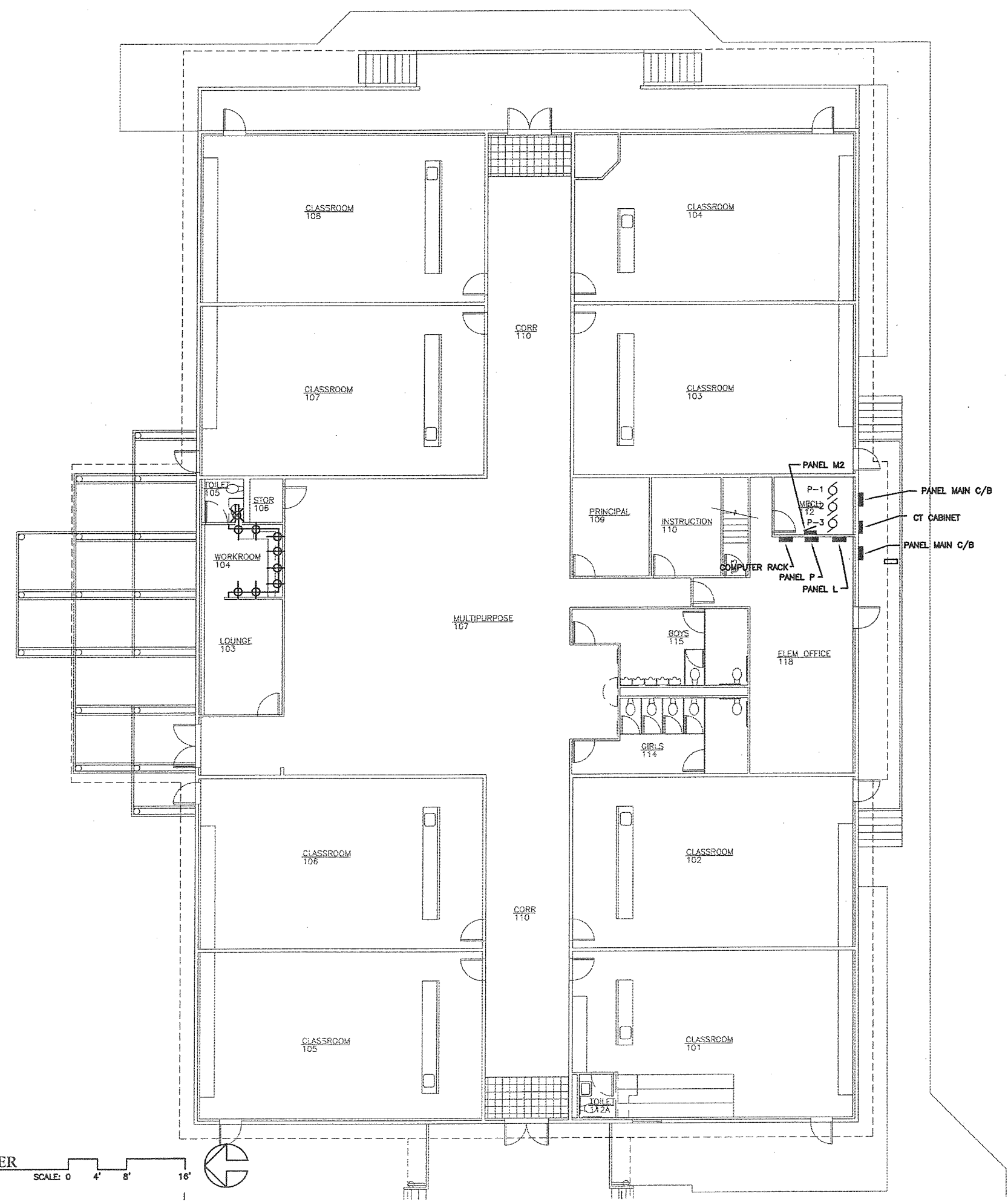
- △
- △
- △
- △

SHEET TITLE

**DEMO & EXISTING
FLOOR PLAN
PRIMARY SCHOOL
.POWER**

DATE: MARCH 21, 2003
FILE: 109-18

E102

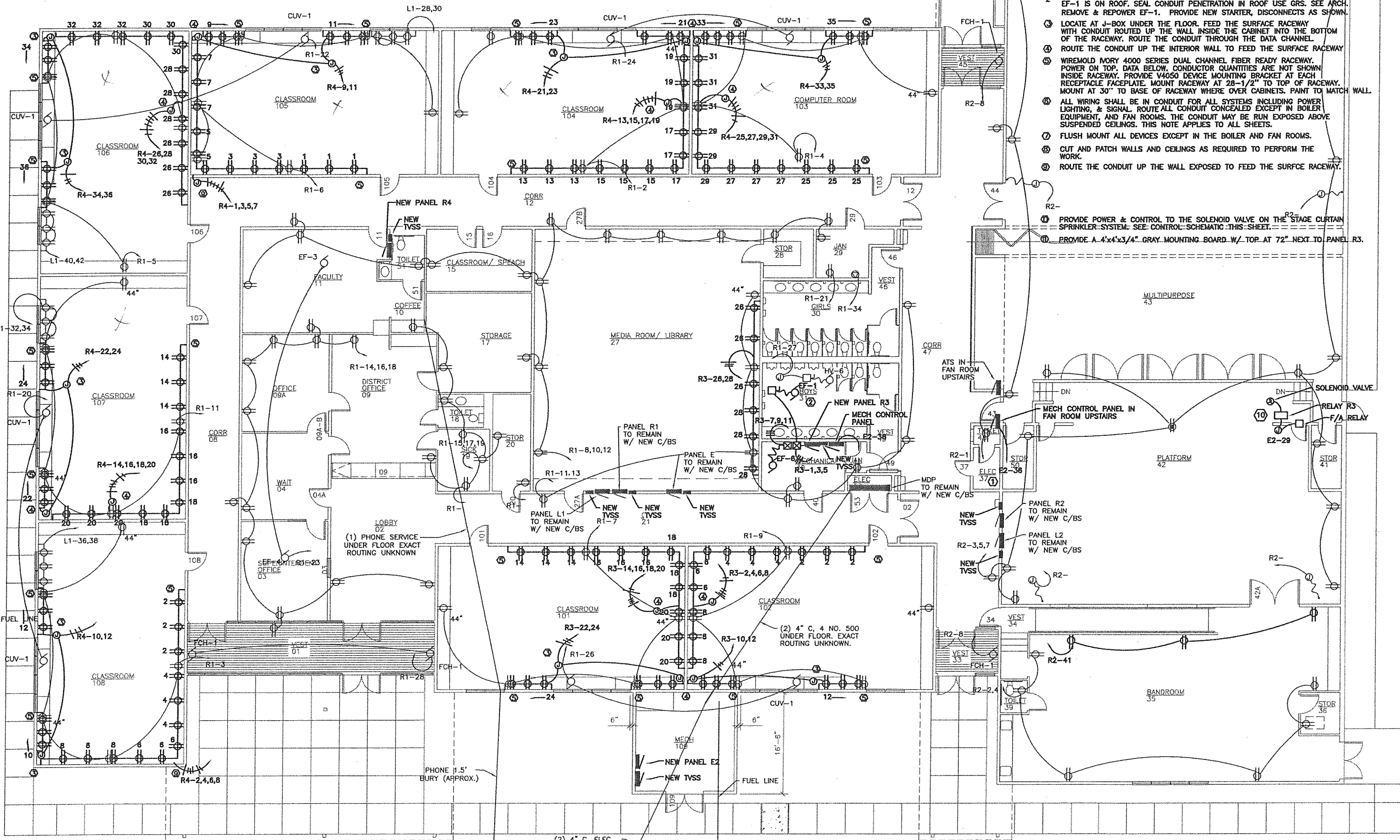
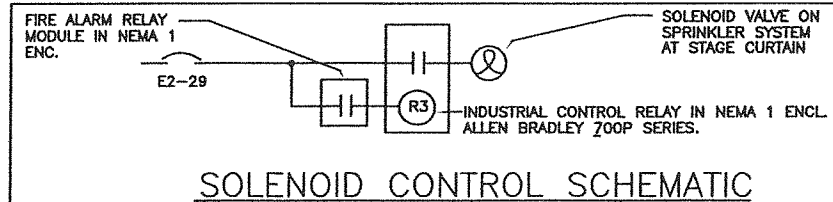


1 DEMOLITION & EXISTING FLOOR PLAN PRIMARY SCHOOL - POWER

SCALE: 0 4' 8' 16'

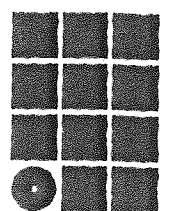


X priority rooms



- NOTES:
- ROUTE CONDUIT UNDER FLOOR THEN UP THROUGH RM 37 TO FAN ROOM.
 - REMOVE & REPOWER EF-1. PROVIDE NEW STARTER, DISCONNECTS AS SHOWN. EF-1 IS ON ROOF. SEAL CONDUIT PENETRATION IN ROOF USE GRS. SEE ARCH. REMOVE & REPOWER EF-1. PROVIDE NEW STARTER, DISCONNECTS AS SHOWN.
 - LOCATE AT J-BOX UNDER THE FLOOR. FEED THE SURFACE RACEWAY WITH CONDUIT ROUTED UP THE WALL INSIDE THE CABINET INTO THE BOTTOM OF THE RACEWAY. ROUTE THE CONDUIT THROUGH THE DATA CHANNEL.
 - ROUTE THE CONDUIT UP THE INTERIOR WALL TO FEED THE SURFACE RACEWAY.
 - WIREMOLD IVORY 4000 SERIES DUAL CHANNEL FIBER READY RACEWAY. POWER ON TOP. DATA BELOW. CONDUCTOR QUANTITIES ARE NOT SHOWN INSIDE RACEWAY. PROVIDE V4050 DEVICE MOUNTING BRACKET AT EACH RECEPTACLE FACEPLATE. MOUNT RACEWAY AT 28-1/2" TO TOP OF RACEWAY. MOUNT AT 30" TO BASE OF RACEWAY WHERE OVER CABINETS. PAINT TO MATCH WALL.
 - ALL WIRING SHALL BE IN CONDUIT FOR ALL SYSTEMS INCLUDING POWER LIGHTING, & SIGNAL. ROUTE ALL CONDUIT CONCEALED EXCEPT IN BOILER EQUIPMENT, AND FAN ROOMS. THE CONDUIT MAY BE RUN EXPOSED ABOVE SUSPENDED CEILINGS. THIS NOTE APPLIES TO ALL SHEETS.
 - FLUSH MOUNT ALL DEVICES EXCEPT IN THE BOILER AND FAN ROOMS.
 - CUT AND PATCH WALLS AND CEILINGS AS REQUIRED TO PERFORM THE WORK.
 - ROUTE THE CONDUIT UP THE WALL EXPOSED TO FEED THE SURFACE RACEWAY.
 - PROVIDE POWER & CONTROL TO THE SOLENOID VALVE ON THE STAGE CURTAIN SPRINKLER SYSTEM. SEE CONTROL SCHEMATIC THIS SHEET.
 - PROVIDE A 4"x4"x3/4" GRAY MOUNTING BOARD W/ TOP AT 72" NEXT TO PANEL R3.

1 RENOVATION FLOOR PLAN INTERMEDIATE SCHOOL - POWER
SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**
5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

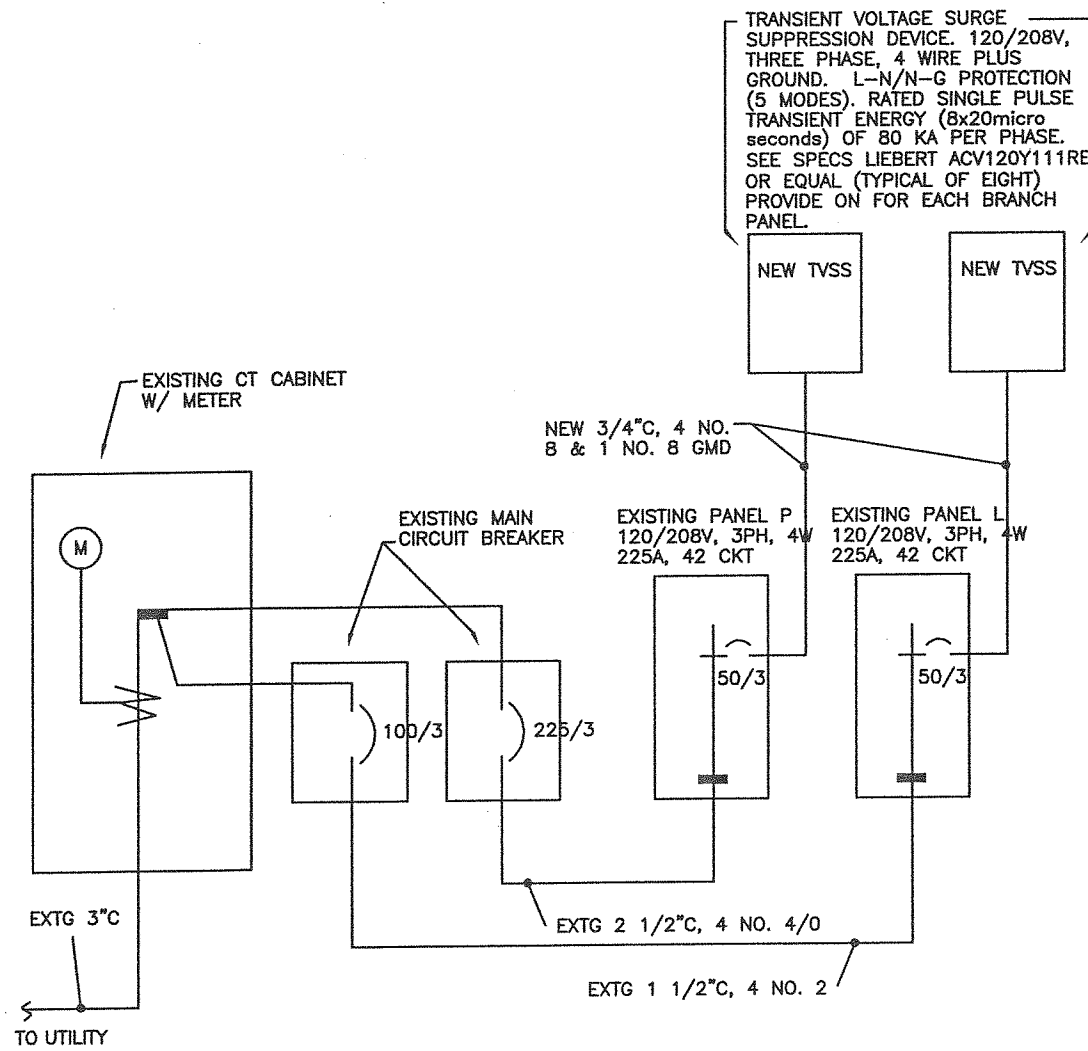
REVISIONS

 SHEET TITLE
 RENOVATION
 FLOOR PLAN
 INTERMEDIATE
 SCHOOL - POWER
 DATE: MARCH 21, 2003
 FILE: 109-18

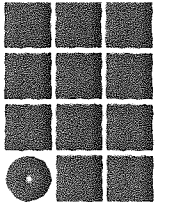
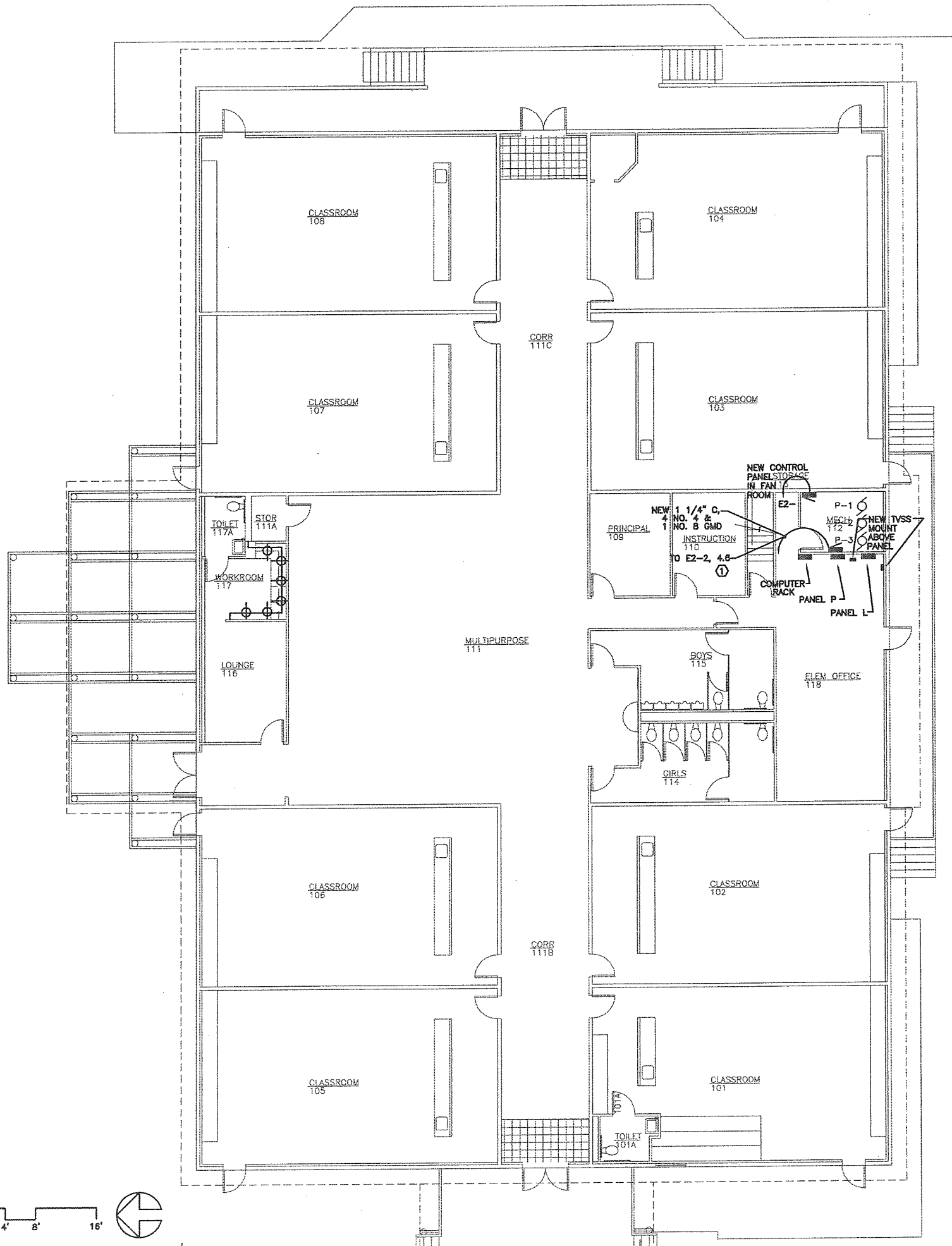
E103

NOTES:

- ① ROUTE CONDUIT ON UNDERSIDE OF FLOOR IN EACH CRAWL SPACE TO PANEL E2. REMOVE FLOORING IN BREEZEWAY BETWEEN PRIMARY SCHOOL AND INTERMEDIATE SCHOOL AS REQUIRED TO INSTALL CONDUIT. SEE SHEET E306 FOR FIRE ALARM CIRCUITS THAT ALSO HAVE TO BE RUN IN NEW CONDUIT THROUGH THE BREEZEWAY.



EXISTING & NEW SINGLE
LINE DIAGRAM - PRIMARY SCHOOL



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA

REVISIONS

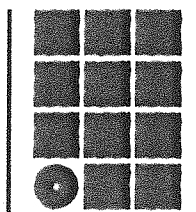
- △
- △
- △
- △

SHEET TITLE

RENOVATION
FLOOR PLAN
PRIMARY SCHOOL
.POWER

DATE: MARCH 21, 2003
FILE: 109-18

E104



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552

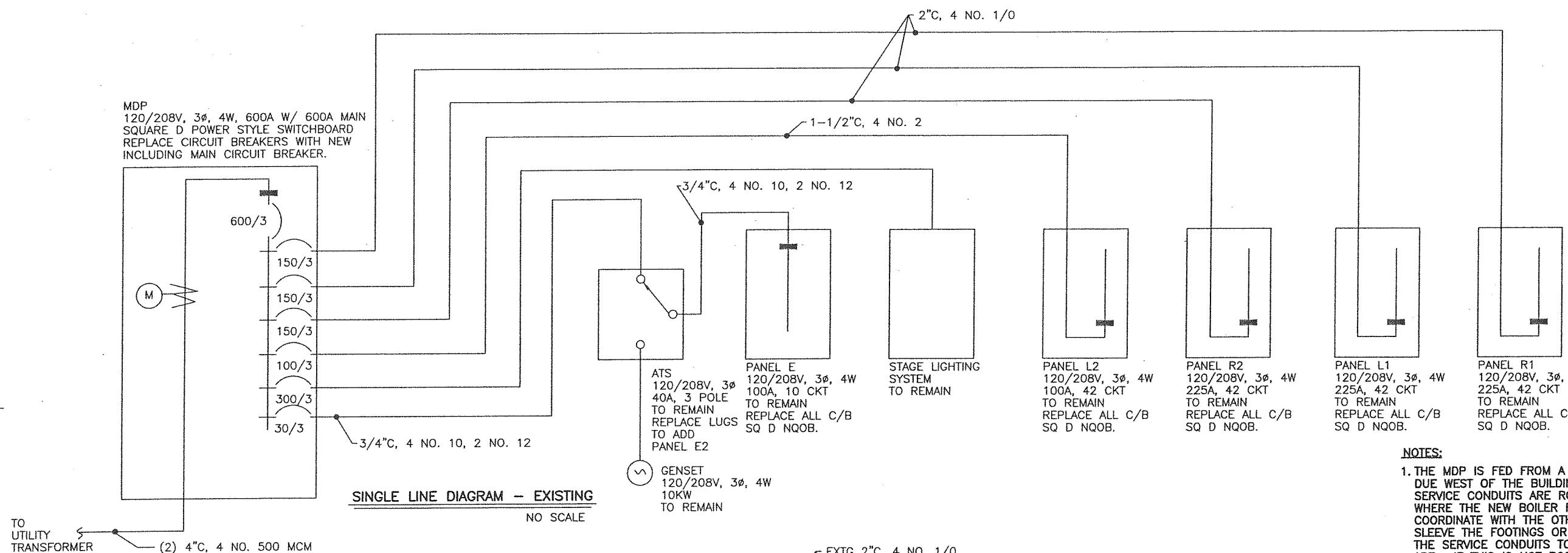


**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
△
△
△
△

SHEET TITLE
EXISTING
& NEW SINGLE
LINE DIAGRAMS
DATE: MARCH 21, 2003
FILE: 109-18

E105



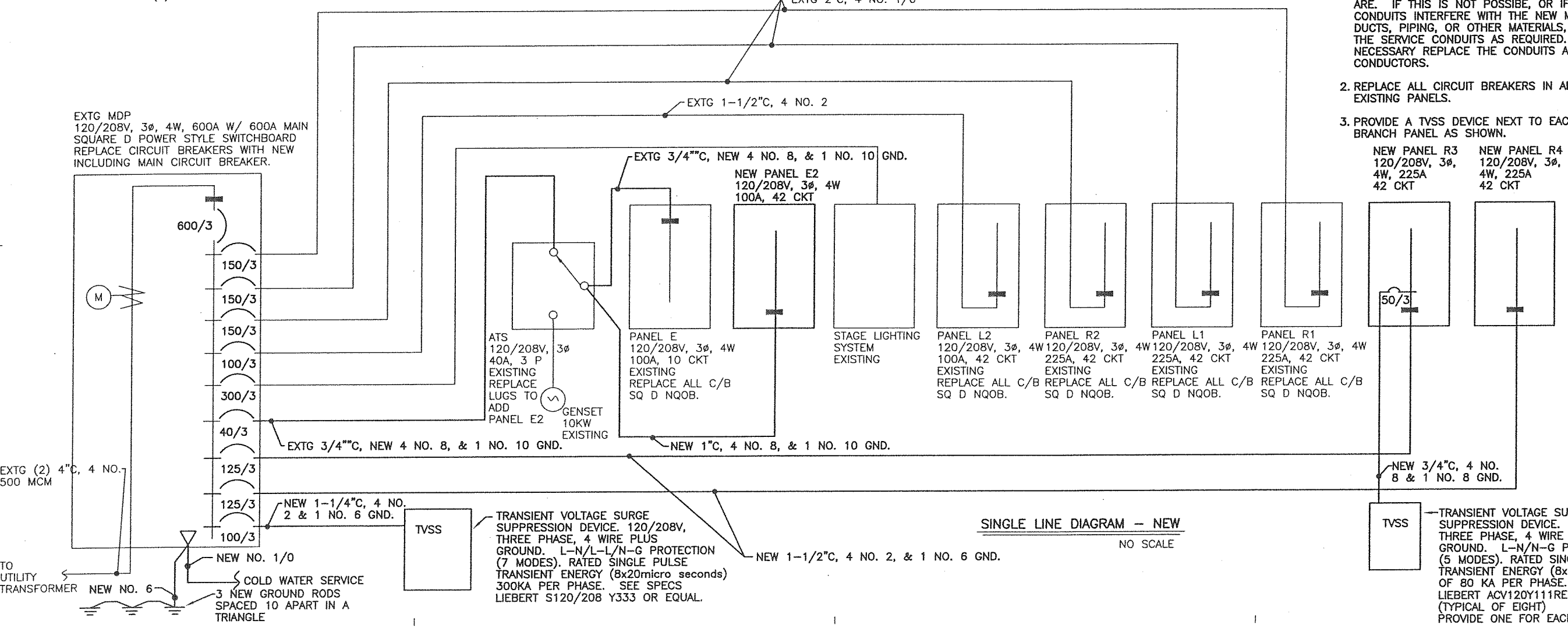
NOTES:

1. THE MDP IS FED FROM A PAD MOUNT TRANSFORMER DUE WEST OF THE BUILDING. THE UNDERGROUND SERVICE CONDUITS ARE ROUTED UNDER THE AREA WHERE THE NEW BOILER ROOM WILL BE BUILT. COORDINATE WITH THE OTHER DISCIPLINES TO SLEEVE THE FOOTINGS OR STEM WALL TO ALLOW THE SERVICE CONDUITS TO REMAIN WHERE THEY ARE. IF THIS IS NOT POSSIBLE, OR IF THE CONDUITS INTERFERE WITH THE NEW MECHANICAL DUCTS, PIPING, OR OTHER MATERIALS, RELOCATE THE SERVICE CONDUITS AS REQUIRED. IF NECESSARY REPLACE THE CONDUITS AND CONDUCTORS.

2. REPLACE ALL CIRCUIT BREAKERS IN ALL OF THE EXISTING PANELS.

3. PROVIDE A TVSS DEVICE NEXT TO EACH BRANCH PANEL AS SHOWN.

NEW PANEL R3 120/208V, 3 ϕ , 4W, 225A, 42 CKT
NEW PANEL R4 120/208V, 3 ϕ , 4W, 225A, 42 CKT



LEGEND:

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	NEW DEVICE	
	EXISTING DEVICE	
	EXISTING TO REMAIN	
	DUPLEX RECEPTACLE	20" AFF TO TOP
	DOUBLE DUPLEX RECEPTACLE	20" AFF TO TOP
	GROUND FAULT INTERRUPTER	
	ABOVE FINISHED FLOOR	
	ABOVE FINISHED GROUND	
	SPECIAL RECEPTACLE	
	CEILING LUMINAIRE	
	WALL MOUNT LUMINAIRE	
	FLUORESCENT LUMINAIRE	
	LETTER INDICATES FIXTURE TYPE	
	"EM" INDICATES EMERGENCY BALLAST WITH 90 MIN. OF LIGHT AT 100% OF ONE LAMP OUTPUT	
	FLEXIBLE CONDUIT	
	CONDUIT WITH CONDUCTORS, SLASHES INDICATE NUMBER IF NOT TWO. EQUIP. GROUNDING CONDUCTOR NOT SHOWN.	
	CLOCK SYSTEM BELL	
	NEW INTERCOM CEILING SPEAKER	
	NEW INTERCOM WALL MOUNT SPEAKER	
	WALL MOUNT CLOCK	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	WEATHERPROOF	
	FIRE ALARM CONTROL PANEL	
	TELEVISION RECEPTACLE	
	MOTOR CONNECTION	
	JUNCTION BOX	
	SINGLE POLE SWITCH	48" TO TOP
	THREE WAY SWITCH	
	MANUAL STARTER	48" TO TOP
	SPEED CONTROL SWITCH	
	MAGNETIC NEMA STARTER	
	COMBINATION NEMA MAGNETIC STARTER	
	TAMPER SWITCH	
	FLOW SWITCH (PRESSURE) (BOTH HI & LOW)	
	DUCT DETECTOR	
	BEAM DETECTOR TRANSMITTER	
	BEAM DETECTOR RECEIVER	
	EXISTING INTERCOM WALL SPEAKER TO BE REMOVED	
	EXISTING INTERCOM WALL STATION TO BE REMOVED	
	F/A RELAY MODULE	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	STROBE ONLY	
	PULL STATION	48" TO TOP
	HORN STROBE	80" TO BOTTOM
	WEATHER PROOF HORN	80" TO BOTTOM
	HEAT DETECTOR RATE OF RISE	
	SMOKE DETECTOR	
	HEAT DETECTOR (TEMP NOTED)	
	MOTION SENSOR	
	DOOR DETECTOR	
	COMPUTER RECEPTACLE WITH (1) RJ-45 RECEPTACLE & (3) SPARE SPACES UON	48" TO TOP OR IN RACEWAY
	COMBINATION COMPUTER/TELE REC WITH (1) RJ-45 RECEPTACLE FOR DATA & (1) RJ-45 RECEPTACLE FOR VOICE	48" TO TOP OR IN RACEWAY

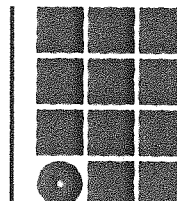
PANEL E EXTG		SIZE	VOLTS, PHASE	MOUNTING	MAIN	LOCATION		
		100A	120/208V, 3φ, 4W	FLUSH	LUGS ONLY	CORRIDOR		
CKT NO.	DESCRIPTION	C/B SIZE	KVA				DESCRIPTION	CKT NO.
1	CIRCULATING PUMP CP-1 NEW TVSS	*50/3	CKT	A#	B#	C#	CKT	2
3	BURNER MOTOR							4
5	BURNER CONTROL							6
7	TEMP. CONTROL PANEL	20/1						8
9	EXIT LIGHTS							10
11	MECH PNL							12
13	AIR COMP. SPRINKLER SYSTEM							14
15								16
TOTAL MEASURED LOAD =			KVA/ AMPS					

PANEL R1 EXTG		SIZE	VOLTS, PHASE	MOUNTING	MAIN	LOCATION		
		225A	120/208V, 3φ, 4W	FLUSH	LUGS ONLY	CORRIDOR		
CKT NO.	DESCRIPTION	C/B SIZE	KVA				DESCRIPTION	CKT NO.
1	OUTLETS CLASSROOM 107	20/1	CKT	A#	B#	C#	CKT	2
3	OUTLETS CLASSROOM 108							4
5	OUTLETS CLASSROOM 106							6
7	OUTLETS CLASSROOM 101							8
9	OUTLETS CLASSROOM 102							10
11	OUTLETS MEDIA ROOM							12
13	OUTLETS CORRIDOR AND BOILER ROOMS							14
15	OUTLETS NURSES							16
17	OUTLETS FACULTY ROOM							18
19	OUTLETS STORAGE & RESTROOMS							20
21	WASHER							22
23	EF-3, EF-4 OFFICE							24
25	SPARE TO BOILER ROOM							26
27	HV-6, EF-1							28
29	CP-3, CP-4							30
31	COFFEE MAKER OUTLET							32
33	EXHAUST FAN EF-2 MAIN ENTRANCE							34
35	KTN UNIT IN TEACHERS ROOM							36
37	NEW TVSS	*50/3						38
39								40
41								42
TOTAL MEASURED LOAD =			KVA/ AMPS					

PANEL L1 EXTG		SIZE	VOLTS, PHASE	MOUNTING	MAIN	LOCATION		
		225A	120/208V, 3φ, 4W	FLUSH	LUGS ONLY	CORRIDOR		
CKT NO.	DESCRIPTION	C/B SIZE	KVA				DESCRIPTION	CKT NO.
1	LIGHTS CLASSROOMS 107-108	20/1	CKT	A#	B#	C#	CKT	2
3	LIGHTS CLASSROOMS 107-108							4
5	LIGHTS CLASSROOMS 107-108							6
7	LIGHTS CLASSROOMS 101-102							8
9	LIGHTS CLASSROOMS 101-102							10
11	LIGHTS CLASSROOMS 101-102							12
13	LIGHTS LOBBY & ENTRY							14
15	LIGHTS WORK ROOM							16
17	LIGHTS WORK ROOM							18
19	LIGHTS STORAGE, TEST, FACULTY							20
21	COPIER							22
23	LIGHTS CANOPY							24
25	LIGHTS SOUTH DOORWAYS							26
27	LIGHTS CORRIDOR							28
29	OFFICE OUTLETS #1							30
31	OFFICE OUTLETS #2							32
33	SICK ROOM- PAMS NEW OFFICE							34
35	SICK ROOM PAMS NEW OFFICE							36
37	NEW TVSS	*50/3						38
39								40
41								42
TOTAL MEASURED LOAD =			KVA/ AMPS					

PANEL L2 EXTG		SIZE	VOLTS, PHASE	MOUNTING	MAIN	LOCATION		
		225A	120/208V, 3φ, 4W	FLUSH	LUGS ONLY	CORRIDOR		
CKT NO.	DESCRIPTION	C/B SIZE	KVA				DESCRIPTION	CKT NO.
1	LIGHTS RECREATION	20/1	CKT	A#	B#	C#	CKT	2
3	LIGHTS RECREATION							4
5	LIGHTS RECREATION							6
7	LIGHTS RECREATION							8
9	LIGHTS STAGE							10
11	LIGHTS CORRIDOR							12
13	BATTERY OPERATED							14
15	SPARE							16
17	LIGHTS FAN ROOM & STORAGE							18
19	COMPUTERS ROOM 103							20
21	COMPUTERS ROOM 103							22
23	COMPUTERS ROOM 103							24
25	COMPUTERS ROOM 103							26
27	NEW TVSS	50/3*						28
29								30
31								32
33	SPARE	20/1						34
35								36
37								38
39								40
41								42
TOTAL MEASURED LOAD =			KVA/ AMPS					

* NEW C/B

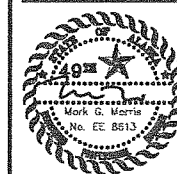


Jensen Yorba Lott Inc.

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

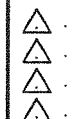
IHH ELECTRICAL

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS



SHEET TITLE
**LEGEND
PANEL SCHEDULES**

DATE: MARCH 21, 2003
FILE: 109-18

E106

PANEL R2 _{EXTG}		SIZE	VOLTS, PHASE				MOUNTING	MAIN	LOCATION
		225A	120/208V, 3 ϕ , 4W				FLUSH	LUGS ONLY	CORRIDOR
CKT NO.	DESCRIPTION	C/B SIZE	KVA				C/B SIZE	DESCRIPTION	CKT NO.
			CKT	A#	B#	C#			
1	OUTLETS RECREATION ROOM NORTH	20/1					20/1	OUTLETS BAND ROOM	2
3	OUTLETS RECREATION ROOM SOUTH							OUTLETS BAND ROOM	4
5	OUTLETS STAGE AND STORAGE ROOMS							SPARE	6
7	OUTLETS STAGE							FCH-1	8
9	BAND ROOM HEAT							BAND ROOM HEAT	10
11	BAND ROOM HEAT							BAND ROOM HEAT	12
13	FAN ROOM OUTLETS							SPARE	14
15	RIGHT HOT WATER DISPENSER							ELECTRIC WATER HEATER	16
17	LEFT HOT WATER DISPENSER							SPARE	18
19	HV-2							HV-1	20
21	RF-1							CUV CLASSROOMS 105-106	22
23	EF-3, EF-4 OFFICE							CUV CLASSROOMS 103-104	24
25	SPARE TO BOILER ROOM							CUV CLASSROOMS 101-102	26
27	HV-6, EF-1							FCH ENTRY	28
29	CP-3, CP-4							KTN UNIT IN TEACHERS ROOM	30
31	COFFEE MAKER OUTLET							ICE MACHINE IN TEACHERS ROOM	32
33	EXHAUST FAN EF-2 MAIN ENTRANCE							DRYER	34
35	KTN IN TEACHER ROOM							COFFEE MAKER OUTLET	36
37	NEW TVSS	50/3*						COMPUTER FLOOR OUTLET	38
39	---	---						COMPUTER FLOOR OUTLET	40
41	---	---						SPARE	42

TOTAL MEASURED LOAD = KVA/ AMPS

* NEW CIRCUIT BREAKER

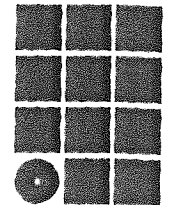
PANEL R3 _{NEW}		SIZE	VOLTS, PHASE				MOUNTING	MAIN	LOCATION
		225A	120/208V, 3 ϕ , 4W				SURFACE	LUGS ONLY	OLD BOILER RM
CKT NO.	DESCRIPTION	C/B SIZE	KVA				C/B SIZE	DESCRIPTION	CKT NO.
			CKT	A#	B#	C#			
1	RF-1	15/3	0.9			0.6	20/1	CLASS 102 CORR WALL	2
3	---	---	0.9			0.6		CORR WALL	4
5	---	---	0.9			0.6		CORR & INT. WALL	6
7	EF-1	15/3	0.4			0.6		INT. WALL	8
9	---	---	0.4			0.6		EXT. WALL	10
11	---	---	0.4			0.6		EXT. WALL	12
13	NEW TVSS	50/3				0.6		CLASS 101 CORR WALL	14
15	---	---				0.6		CORR WALL	16
17	---	---				0.6		CORR & INT WALL	18
19	SPARE	20/1				0.6		INTERIOR WALL	20
21						0.6		EXT. WALL	22
23						0.6		EXT. WALL	24
25								MEDIA	26
27									28
29								SPARE	30
31									32
33									34
35									36
37									38
39									40
41									42

PANEL R4 _{NEW}		SIZE	VOLTS, PHASE				MOUNTING	MAIN	LOCATION
		225A	120/208V, 3 ϕ , 4W				FLUSH	LUGS ONLY	FACULTY
CKT NO.	DESCRIPTION	C/B SIZE	KVA				C/B SIZE	DESCRIPTION	CKT NO.
			CKT	A#	B#	C#			
1	CLASS 105 CORR WALL	20/1	0.6			0.6	20/1	CLASS 108 CORR WALL	2
3	CORR WALL		0.6			0.6		CORR WALL	4
5	CORR & ENT. WALL		0.6			0.6		CORR & ENT. WALL	6
7	INTERIOR WALL		0.6			0.6		EXTERIOR WALL	8
9	EXT. WALL		0.6			0.6		EXT. WALL	10
11	EXT. WALL		0.6			0.6		EXT. WALL	12
13	CLASS 104 CORR WALL					0.6		CLASS 107 CORR WALL	14
15	CORR WALL					0.6		CORR WALL	16
17	CORR & INT WALL					0.6		CORR & INT WALL	18
19	INTERIOR WALL					0.6		INTERIOR WALL	20
21	EXT. WALL					0.6		EXT. WALL	22
23	EXT. WALL					0.6		EXT. WALL	24
25	CLASS 103 INTERIOR WALL					0.6		CLASS 106 INTERIOR WALL	26
27	INTERIOR WALL					0.6		INTERIOR WALL	28
29	INT & EXT WALL					0.6		INT & EXT WALL	30
31	EXT. WALL					0.6		EXT. WALL	32
33	EXT. WALL					0.6		EXT. WALL	34
35	EXT. WALL					0.6		EXT. WALL	36
37	NEW TVSS	50/3						SPARE	38
39	---	---							40
41	---	---							42

PANEL MDP _{EXTG}		SIZE	VOLTS, PHASE				MOUNTING	MAIN	LOCATION
		600A*	120/208V, 3 ϕ , 4W				SURFACE	LUGS ONLY	ELEC CLOSET
CKT NO.	DESCRIPTION	C/B SIZE	KVA				C/B SIZE	DESCRIPTION	CKT NO.
			CKT	A#	B#	C#			
1	PANEL R3 (NEW)	125/3					150/3	PANEL R1 (EXTG)	2
3	---	---					---	---	4
5	---	---					---	---	6
7	PANEL R4 (NEW)	125/3					150/3	PANEL L1 (EXTG)	8
9	---	---					---	---	10
11	---	---					---	---	12
13	PANEL R5 (NEW)	125/3					150/3	PANEL R2 (EXTG)	14
15	---	---					---	---	16
17	---	---					---	---	18
19							100/3	PANEL L2 (EXTG)	20
21							---	---	22
23							---	---	24
25							500/3	STAGE LIGHTING (EXTG)	26
27							---	SYSTEM	28
29							---	---	30
31							40/3	PANEL E (EXTG)	32
33							---	VIA AUTOMATIC TRANSFER SWITCH	34
35							---	---	36
37							100/3	NEW TVSS	38
39							---	---	40
41							---	---	42

* NEW CIRCUIT BREAKER

PANEL E2 _{NEW}		SIZE	VOLTS, PHASE				MOUNTING	MAIN	LOCATION
		100A	120/208V, 3 ϕ , 4W				SURFACE	LUGS ONLY	BOILER
CKT NO.	DESCRIPTION	SIZE	KVA				C/B SIZE	DESCRIPTION	CKT NO.
			CKT	A#	B#	C#			
1	BOILER B-1	20/1	0.9	2.1		1.2	10/3	PANEL M2	2
3	BOILER B-2		0.9		1.3	0.4	---	---	4
5	PUMP P-2		0.9				---	---	6
7	PUMP P-3		0.4			1.3	0.4	---	8
9	PUMP P-1A	20/3	0.4				50/3	NEW TVSS	10
11	---	---	0.4				---	---	12
13	---	---					20/1	SPARE	14
15	PUMP P-1B	20/3							16
17	---	---							18
19	---	---							20
21	EF-5	20/1							22
23	AIR COMPRESSOR	20/1							24
25	BAS CONTROL PANEL	20/1							26
27	BOILER ROOM	20/1							28
29	STAGE SOLENOID								30
31	SPARE								32
33									34
35									36
37									38
39									40
41									42



**Jensen
Yorba
Lott
Inc.**

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

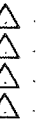
**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS



SHEET TITLE

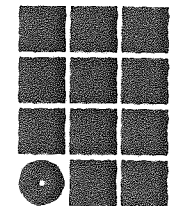
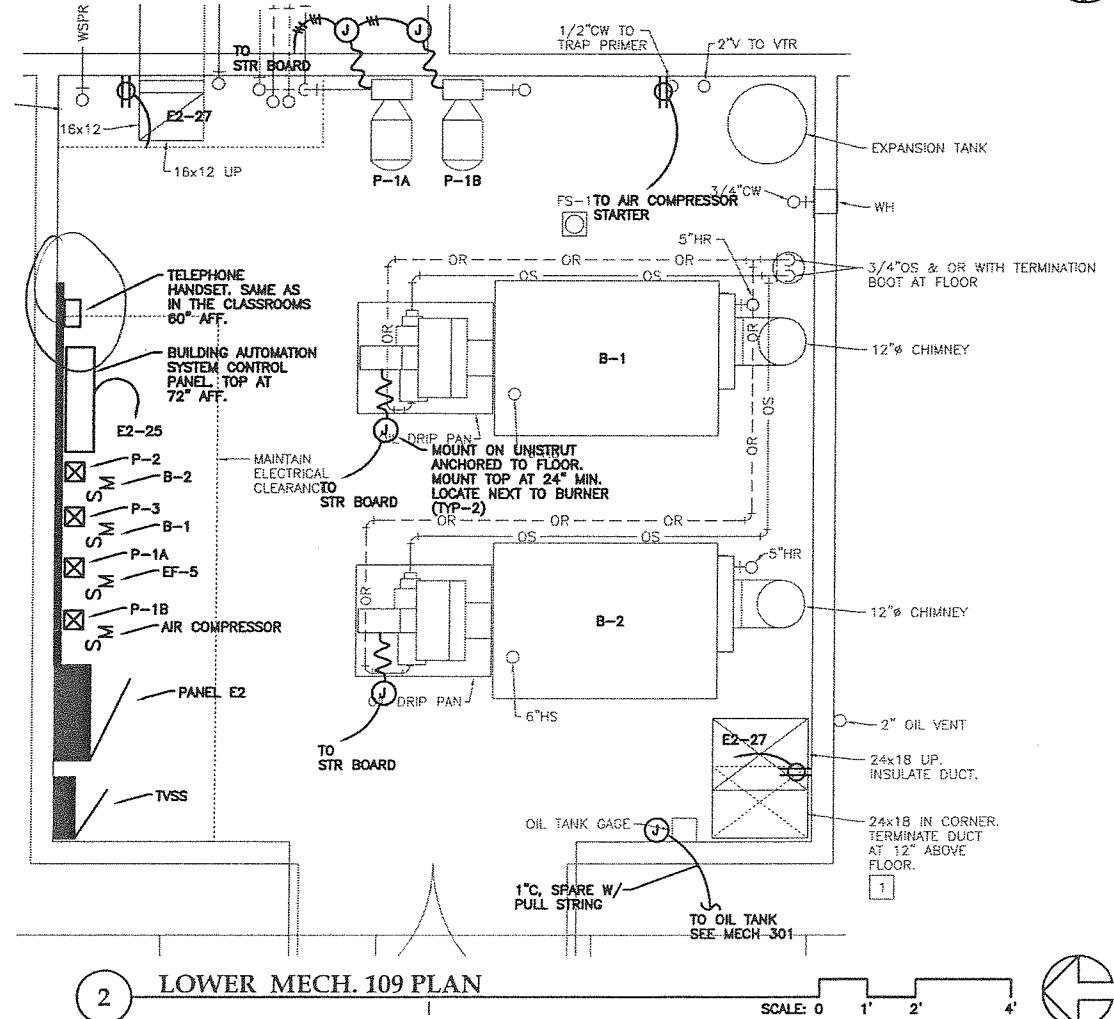
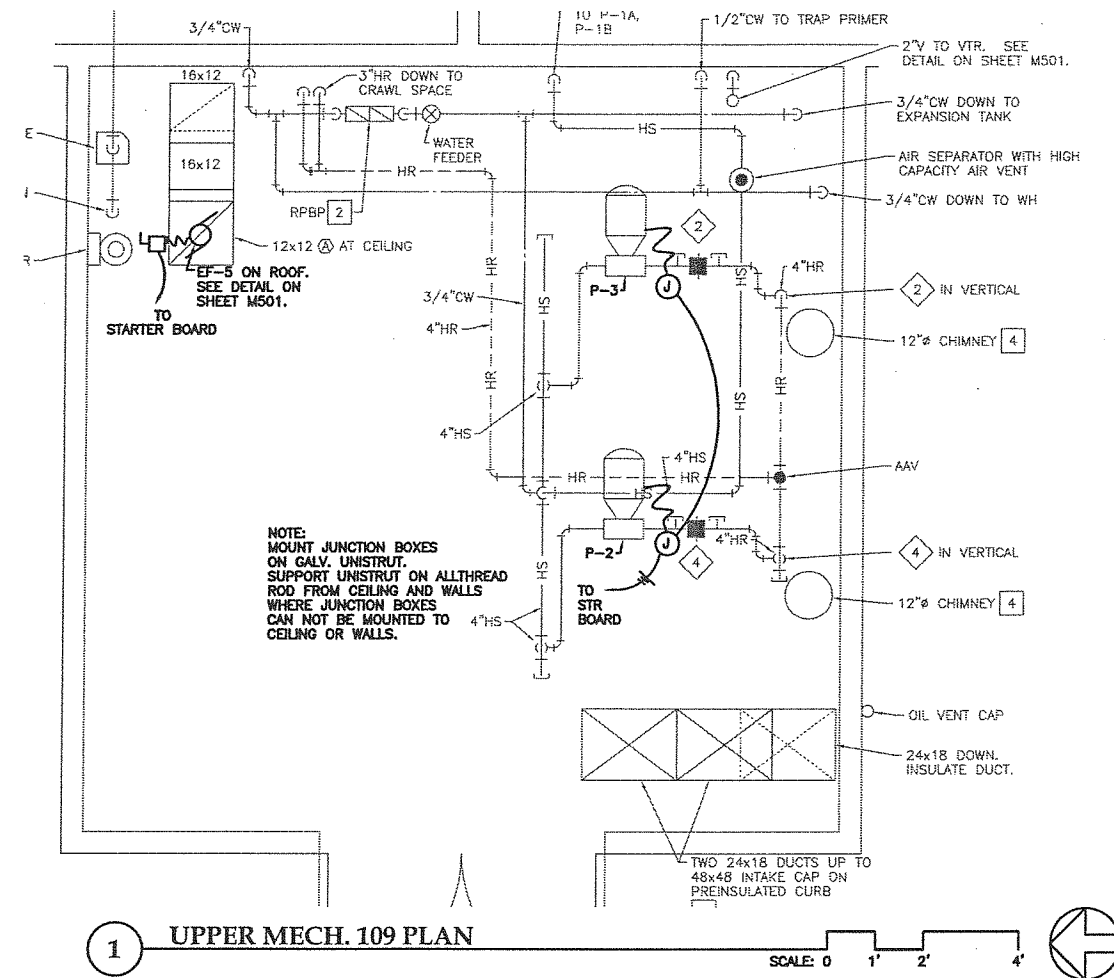
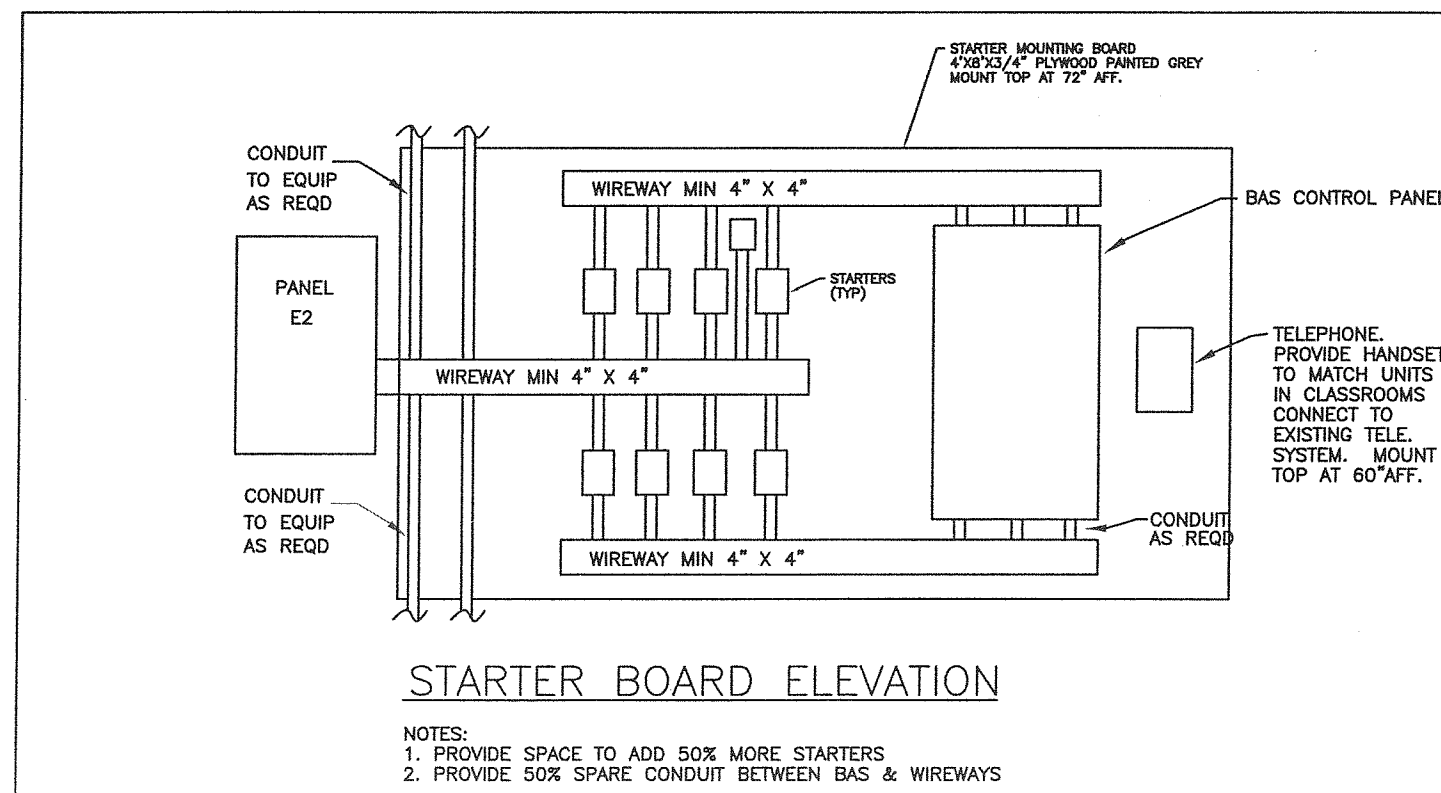
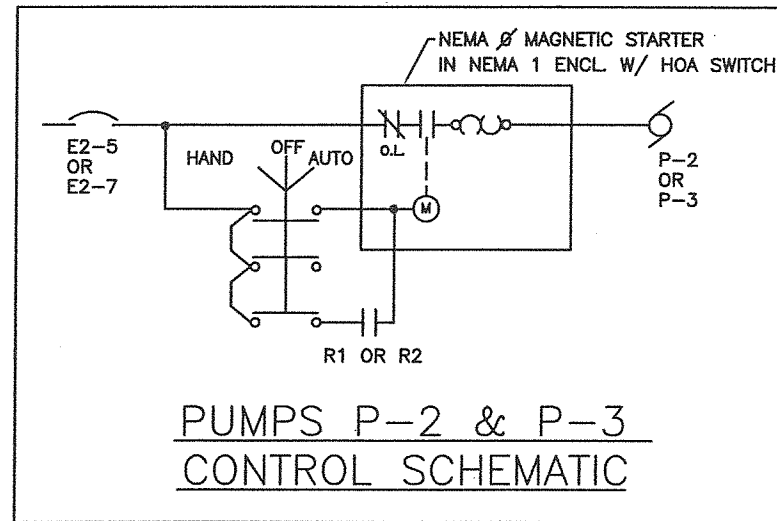
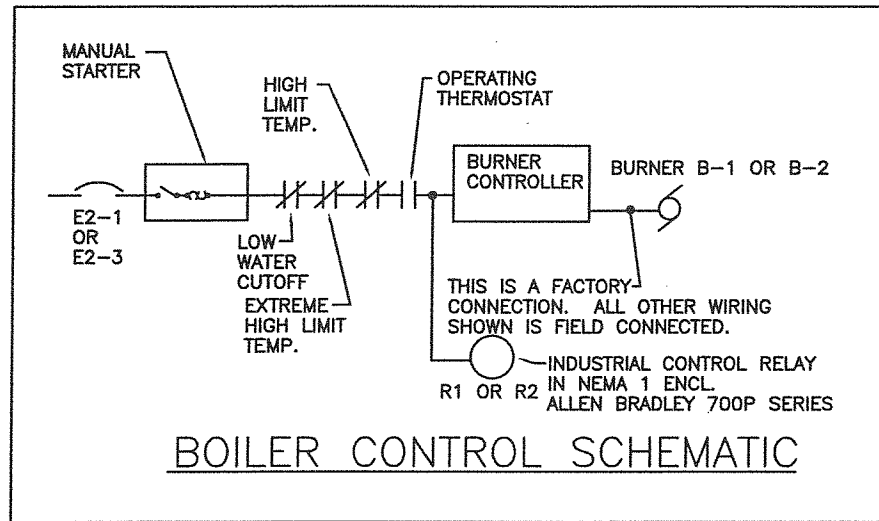
PANEL SCHEDULES

DATE: MARCH 21, 2003
FILE: 109-18

E107

MECHANICAL EQUIPMENT SCHEDULE

EQUIPMENT	LOCATION	HP	VOLTS/PH	STARTER TYPE/ NEMA SIZE	STARTER SWITCH	STARTER LOCATION	DISCONNECT	REMARKS
BOILER B-1	BOILER RM	3/4	120/1	MANUAL	ON-OFF	MOUNTING BOARD	WITH STARTER	PROVIDE CONTROLS PER SCHEMATIC THIS SHEET
BOILER B-2	BOILER RM	3/4	120/1	MANUAL	ON-OFF	MOUNTING BOARD	WITH STARTER	PROVIDE CONTROLS PER SCHEMATIC THIS SHEET
PUMP P-1A	BOILER RM	3	208/3	MAGNETIC/1	HOA	MOUNTING BOARD	NONE	PROVIDE W/ 2 N.O. AUX CONTACTS. WIRE AS SHOWN.
EF-5	ROOF ABOVE BOILER ROOM	1/2	120/1	MANUAL	ON-OFF	MOUNTING BOARD	WITH STARTER	PROVIDE A 30A/3P NEMA 4X STAINLESS STEEL DISCONNECT NEXT TO FAN.
PUMP P-1B	BOILER RM	3	208/3	MAGNETIC/1	HOA	MOUNTING BOARD	NONE	PROVIDE W/ 2 N.O. AUX CONTACTS. WIRE AS SHOWN.
PUMP P-2	BOILER RM	1/2	120/1	MAGNETIC/0	HOA	MOUNTING BOARD	NONE	PROVIDE W/ 2 N.O. AUX CONTACTS. WIRE AS SHOWN.
PUMP P-3	BOILER RM	1/2	120/1	MAGNETIC/0	HOA	MOUNTING BOARD	NONE	PROVIDE W/ 2 N.O. AUX CONTACTS. WIRE AS SHOWN.
BAS PANEL	BOILER RM	---	120/1	---	---	MOUNTING BOARD	NONE	PROVIDE 20 AMP CIRCUIT TO CONTROL PANEL
AIR COMP.	BOILER RM	1/3	120/1	MANUAL	ON-OFF	MOUNTING BOARD	WITH STARTER	PROVIDE A REC. WHERE SHOWN. CONNECT TO STR.
CNTRL PANEL	FAN ROOM	---	120/1	---	---	FAN ROOM	NONE	PROVIDE A 20 AMP CIRCUIT TO CONTROL PANEL
EF-6	OLD BOILER	1-1/2	208/3	MAGNETIC/0	HOA	OLD BOILER ROOM	WITH STARTER	PROVIDE WITH 2 N.O. AUX CONTACTS.
EF-1	ROOF ABOVE TOLIET RM	3/4	208/3	MAGNETIC/0	HOA	OLD BOILER ROOM	WITH STARTER	PROVIDE A 30A/3P NEMA 4X STAINLESS STEEL DISCONNECT NEXT TO FAN.
CNTRL PNL	OLD BOILER		120/1					PROVIDE 20 AMP CIRCUIT TO CONTROL PANEL
CNTRL PNL	PRI. FAN RM		120/1					PROVIDE 20 AMP CIRCUIT TO CONTROL PANEL
P-1,P-2,P-3	PRI. MECH. RM							RE-POWER EXISTING STARTERS IN PRI. SCH. MECH. RM.



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

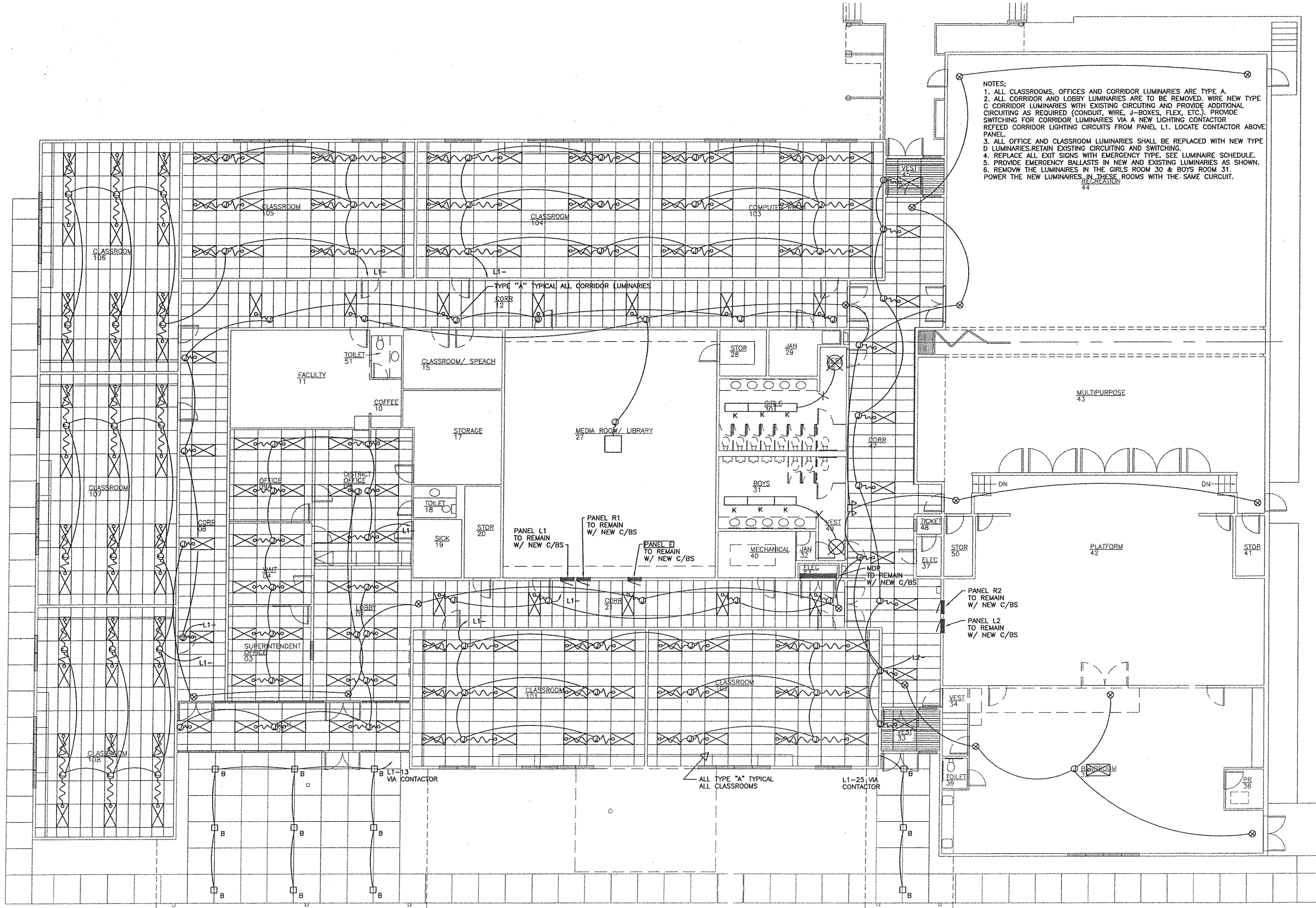
REVISIONS



SHEET TITLE
**BOILER ROOM
 PLAN-POWER
 MECH.EQUIP.LIST
 CONTROL_SCH**

DATE: MARCH 21, 2003
 FILE: 109-18

E108

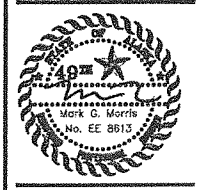


NOTES:
 1. ALL CLASSROOMS, OFFICES AND CORRIDOR LUMINAIRES ARE TYPE A.
 2. ALL CORRIDOR AND LOBBY LUMINAIRES ARE TO BE REMOVED. WIRE NEW TYPE C CORRIDOR LUMINAIRES WITH EXISTING CIRCUITING AND PROVIDE ADDITIONAL CIRCUITING AS REQUIRED (CONDUIT, WIRE, J-BOXES, FLEX, ETC.). PROVIDE SWITCHING FOR CORRIDOR LUMINAIRES VIA A NEW LIGHTING CONTACTOR REFEED CORRIDOR LIGHTING CIRCUITS FROM PANEL L1. LOCATE CONTACTOR ABOVE PANEL.
 3. ALL OFFICE AND CLASSROOM LUMINAIRES SHALL BE REPLACED WITH NEW TYPE D LUMINAIRES. RETAIN EXISTING CIRCUITING AND SWITCHING.
 4. REPLACE ALL EXIT SIGNS WITH EMERGENCY TYPE. SEE LUMINAIRE SCHEDULE.
 5. PROVIDE EMERGENCY BALLASTS IN NEW AND EXISTING LUMINAIRES AS SHOWN.
 6. REMOVE THE LUMINAIRES IN THE GIRLS ROOM 30 & BOYS ROOM 31. POWER THE NEW LUMINAIRES IN THESE ROOMS WITH THE SAME CIRCUIT.

Jensen Yorba Lott Inc.

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

IHH ELECTRICAL
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6522



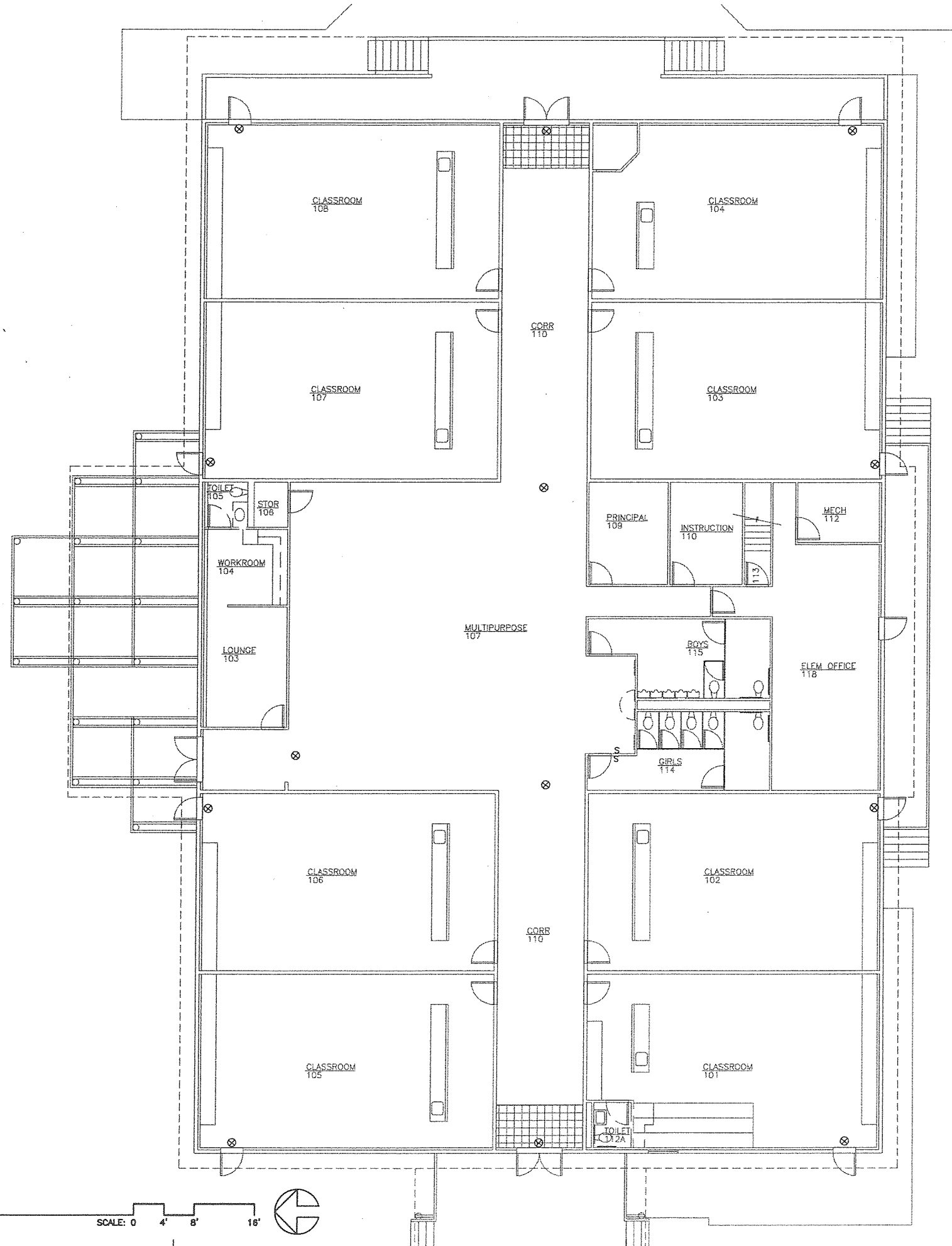
**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 ▲
 ▲
 ▲
 ▲

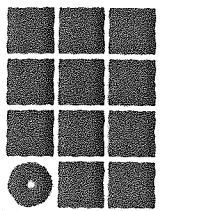
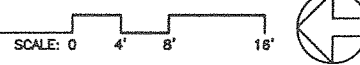
SHEET TITLE
**DEMO & EXISTING
 FLOOR PLAN
 INTERMEDIATE
 SCHOOL - LIGHTING**
 DATE: MARCH 21, 2003
 FILE: 109-18

E201

NOTES:
 1. RELOCATE EMERGENCY EXIT SIGNS, AS SHOWN ON SHEET E204.



1 DEMOLITION & EXISTING RCP PRIMARY SCHOOL - LIGHTING



**Jensen
 Yorba
 Lott**
 Inc.

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

**IHH
 ELECTRICAL**
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552

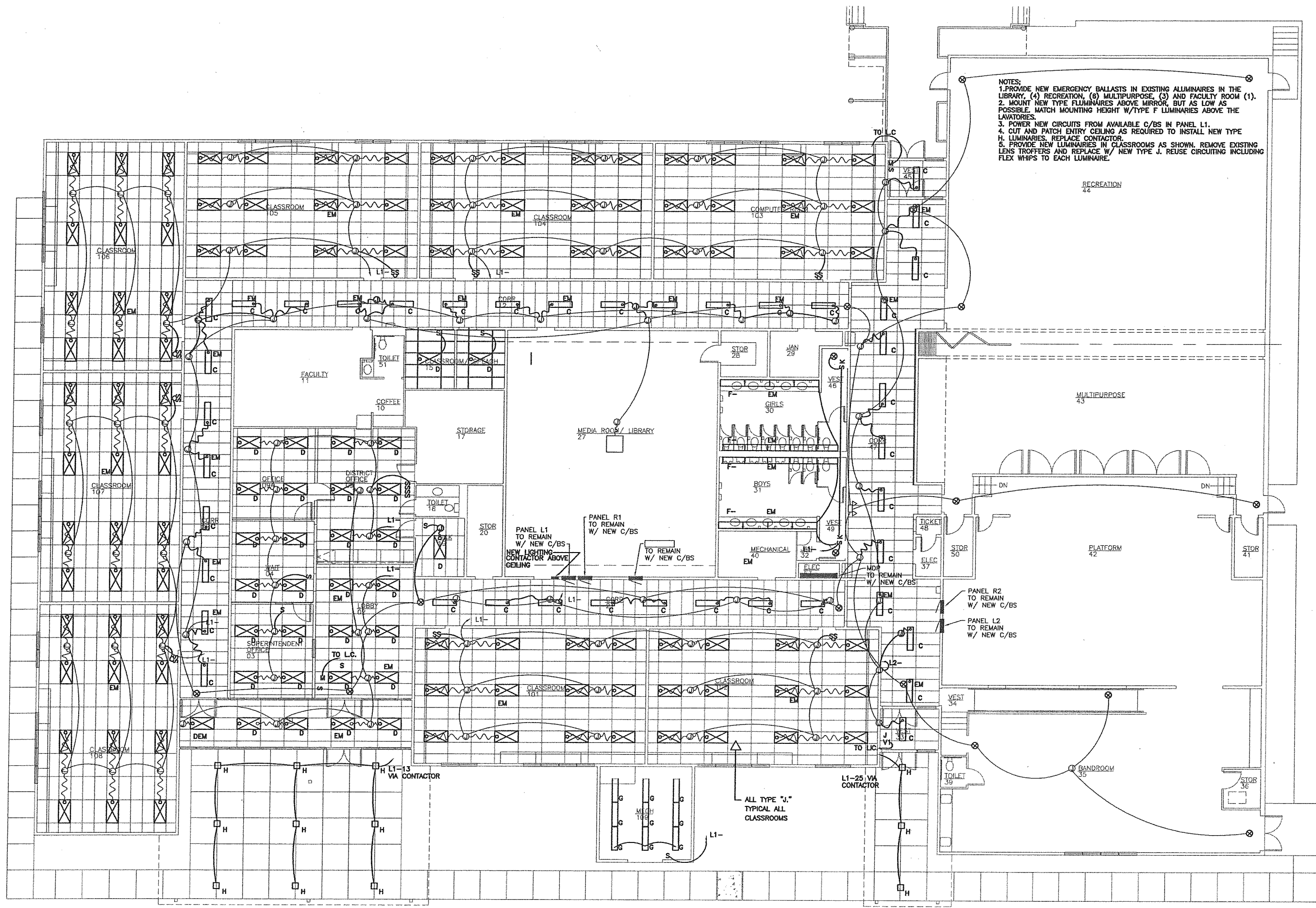


**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △

SHEET TITLE
**DEMO & EXISTING
 FLOOR PLAN
 PRIMARY
 SCHOOL - LIGHTING**
 DATE MARCH 21, 2003
 FILE 109-18

E202



NOTES:
 1. PROVIDE NEW EMERGENCY BALLASTS IN EXISTING ALUMINAIRES IN THE LIBRARY, (4) RECREATION, (6) MULTIPURPOSE, (3) AND FACULTY ROOM (1).
 2. MOUNT NEW TYPE FLUOROLUAMINES ABOVE MIRROR, BUT AS LOW AS POSSIBLE. MATCH MOUNTING HEIGHT W/TYPE F LUMINAIRES ABOVE THE LAVATORIES.
 3. POWER NEW CIRCUITS FROM AVAILABLE C/BS IN PANEL L1.
 4. CUT AND PATCH ENTRY CEILING AS REQUIRED TO INSTALL NEW TYPE H LUMINAIRES. REPLACE CONTACTOR.
 5. PROVIDE NEW LUMINAIRES IN CLASSROOMS AS SHOWN. REMOVE EXISTING LENS TROFFERS AND REPLACE W/ NEW TYPE J. REUSE CIRCUITING INCLUDING FLEX WHIPS TO EACH LUMINAIRE.

Jensen Yorba Lott Inc.
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaloott.com

IHH ELECTRICAL
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

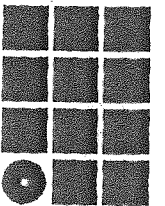
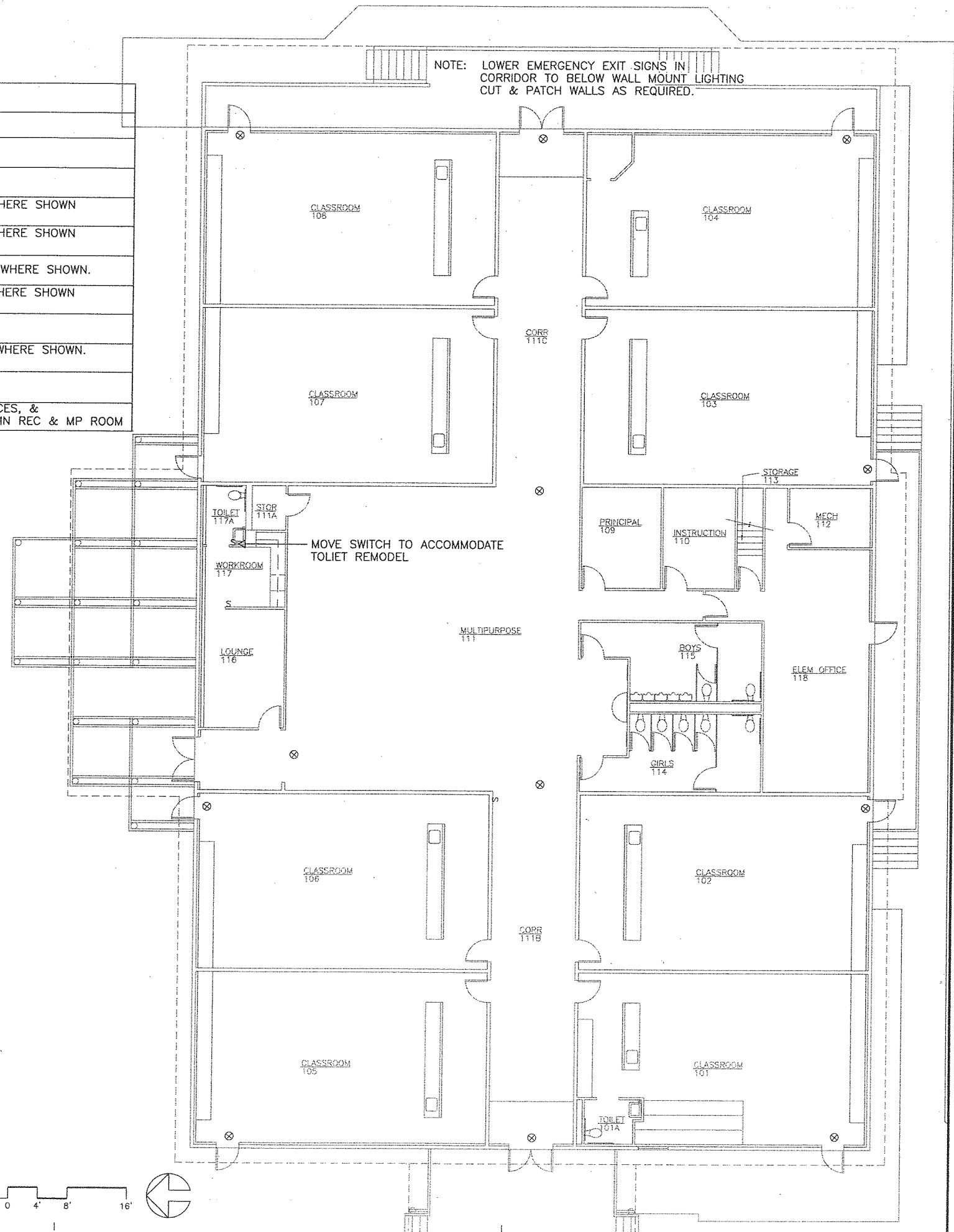
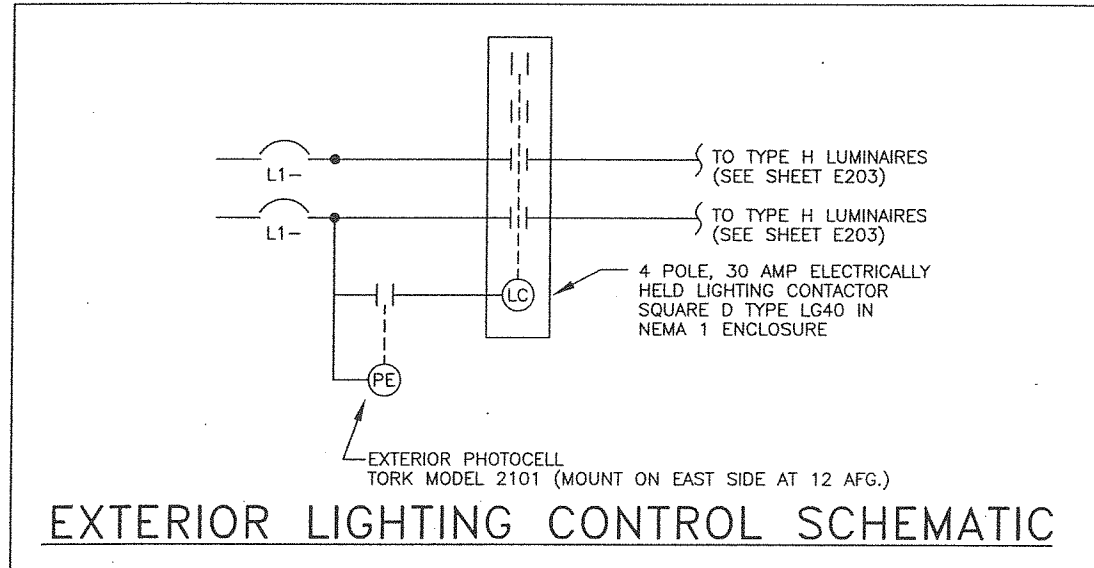
REVISIONS
 △
 △
 △
 △
 SHEET TITLE
**RENOVATION
 RCP
 INTERMEDIATE
 SCHOOL - LIGHTING**
 DATE: MARCH 21, 2003
 FILE: 109-16

E203

1 RENOVATION REFLECTED CEILING PLAN INTERMEDIATE SCHOOL - LIGHTING
 SCALE: 0 4' 8' 16'

LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER	LAMPS	REMARKS
A	2x4 LENS TROFFER	EXISTING	(4) F40	TO BE REMOVED
B	FLUSH MOUNT DOWNLIGHT	EXISTING	(1) A LAMP	TO BE REMOVED
C	SURFACE MOUNT DIRECT/INDIRECT PERFORATED DIFFUSER W/ OVERLAY	LITHONIA AVSM254T5HOMDRDLS120GEB	(2) 54W T5 HO	PROVIDE WITH EMERGENCY BALLAST WHERE SHOWN PROVIDE HOLES IN DIFFUSER
D	DIRECT/INDIRECT 2'X4' TROFFER HOLES IN DIFFUSER, NO OVERLAY	LITHONIA 2AVG354HOT5MDR120GEB	(2) 54W T5HO	PROVIDE WITH EMERGENCY BALLAST WHERE SHOWN
F	COMMERCIAL WALL BRACKET ACRYLIC LENS UP/DN VANDAL RESISTANT	LITHONIA WP232120GEB	(2) 32W T8	PROVIDE WITH EMERGENCY BALLAST WHERE SHOWN.
G	SURFACE MOUNT FLUORESCENT WRAPAROUND	LITHONIA LB232120GEB	(2) 32W T8	PROVIDE WITH EMERGENCY BALLAST WHERE SHOWN
H	CEILING MOUNT POLYCARBONATE	MOLDCAST MDL5FJM35HPS	(1) 35W HPS	RECESS INTO ENTRY CEILING
J	DIRECT/INDIRECT 2' X 4' TROFFOR HOLES IN DIFFUSER, NO OVERLAY	LITHONIA AVANTESERIES	(3) 54W T5 HO	PROVIDE WITH EMERGENCY BALLASTS WHERE SHOWN. PROVIDE WITH GEB.
K	SURFACE FLOURESCENT	EXISTING	(2) F40	REMOVE
⊗	WALLMOUNT EMERGENCY EXIT SIGN WITH GREEN DIFFUSE LED LETTERING	LITHONIA LES1G120ELN	LED GREEN	CEILING OR WALL MOUNT, 1 OR 2 FACES, & ARROWS AS REQUIRED. WIRE GUARD IN REC & MP ROOM

NOTE: ALL REQUIRED REMOVAL AND DISPOSAL OF FLUORESCENT TUBES AND BALLASTS SHALL BE DONE BY AN ABATEMENT CONTRACTOR. THIS INCLUDES THE LUMINAIRES SHOWN TO BE REMOVED.



Jensen Yorba Lott Inc.

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

IHH ELECTRICAL

5626 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

△

△

△

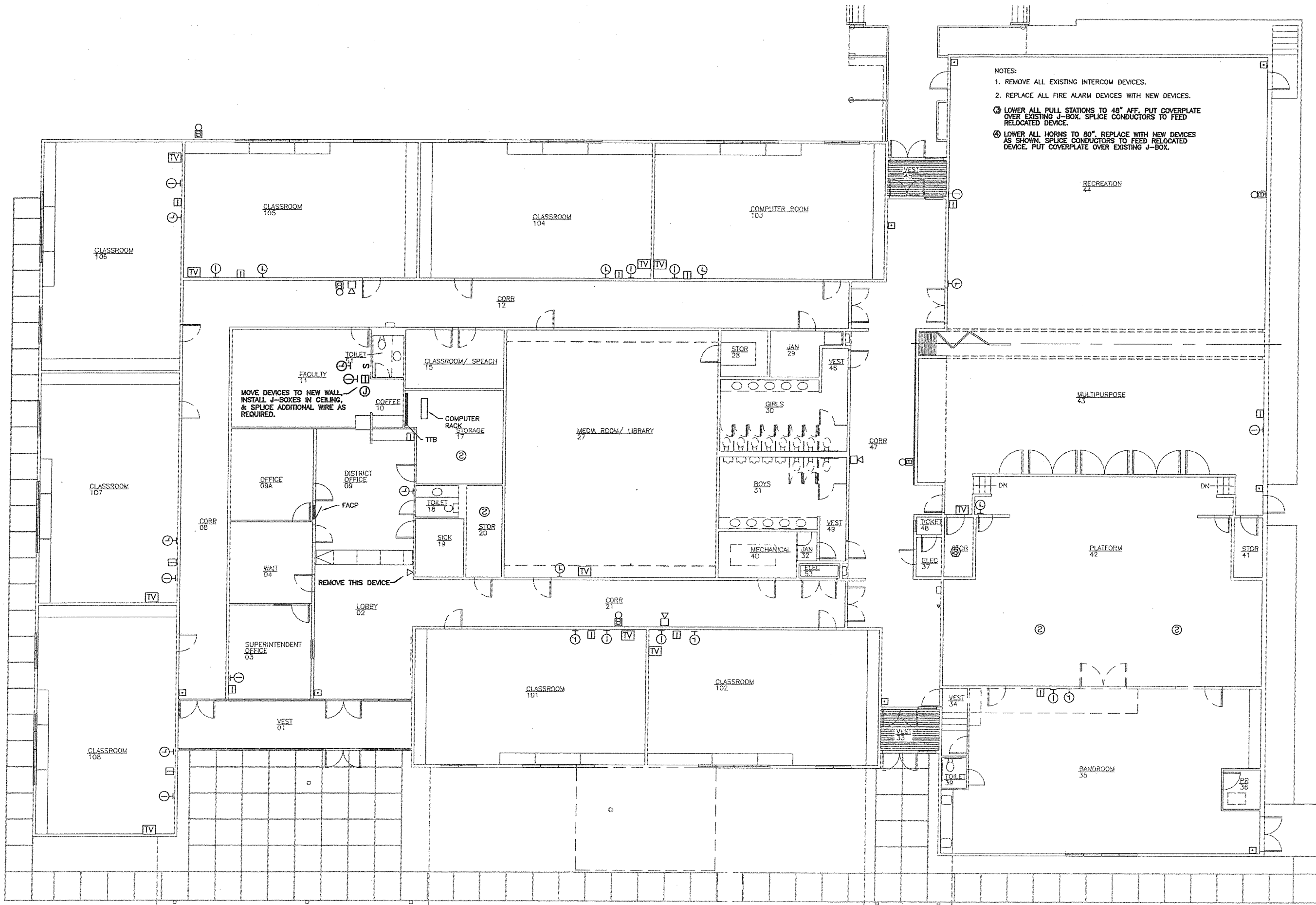
△

SHEET TITLE

**RENO FLR PLN
PRIMARY SCHOOL
LUMINAIRE SCHED
LIGHT CONT SCHEM**

DATE: MARCH 21, 2003
FILE: 109-16

E204

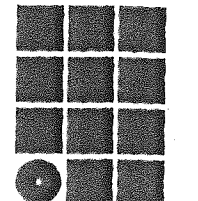


NOTES:
 1. REMOVE ALL EXISTING INTERCOM DEVICES.
 2. REPLACE ALL FIRE ALARM DEVICES WITH NEW DEVICES.
 3. LOWER ALL PULL STATIONS TO 48" AFF. PUT COVERPLATE OVER EXISTING J-BOX. SPLICE CONDUCTORS TO FEED RELOCATED DEVICE.
 4. LOWER ALL HORNS TO 80". REPLACE WITH NEW DEVICES AS SHOWN. SPLICE CONDUCTORS TO FEED RELOCATED DEVICE. PUT COVERPLATE OVER EXISTING J-BOX.

MOVE DEVICES TO NEW WALL. INSTALL J-BOXES IN CEILING, & SPLICE ADDITIONAL WIRE AS REQUIRED.

REMOVE THIS DEVICE

1 DEMO & EXISTING FLOOR PLAN INTERMEDIATE SCHOOL - SIGNAL SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552



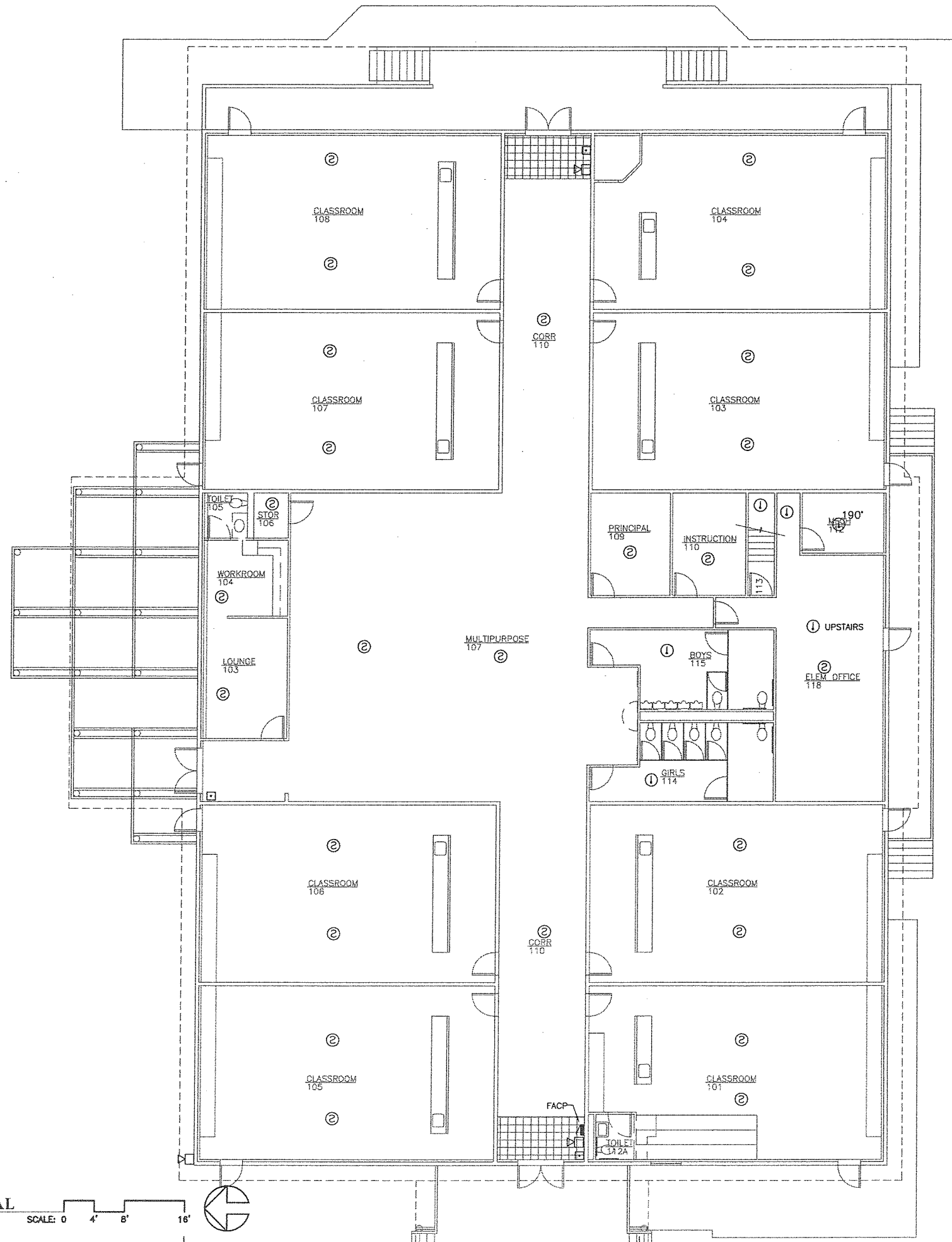
**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS
 ▲
 ▲
 ▲
 ▲

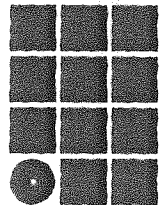
SHEET TITLE
**DEMO & EXISTING
 FLOOR PLAN
 INTERMEDIATE
 SCHOOL - SIGNAL**
 DATE: MARCH 21, 2003
 FILE: 109-18

E301

NOTES:
 1. LOWER ALL PULL STATIONS TO 48" AFF. PUT COVER PLATE OVER EXISTING J-BOX, SPLICE CONDUCTORS TO FEED RELOCATED DEVICE.
 2. LOWER ALL HORNS TO 80", REPLACE WITH NEW DEVICES AS SHOWN. SPLICE CONDUCTORS TO FEED RELOCATED DEVICE. PUT COVER PLATE OVER EXISTING J-BOX.



1 DEMOLITION & EXISTING FLOOR PLAN PRIMARY SCHOOL - SIGNAL
 SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552



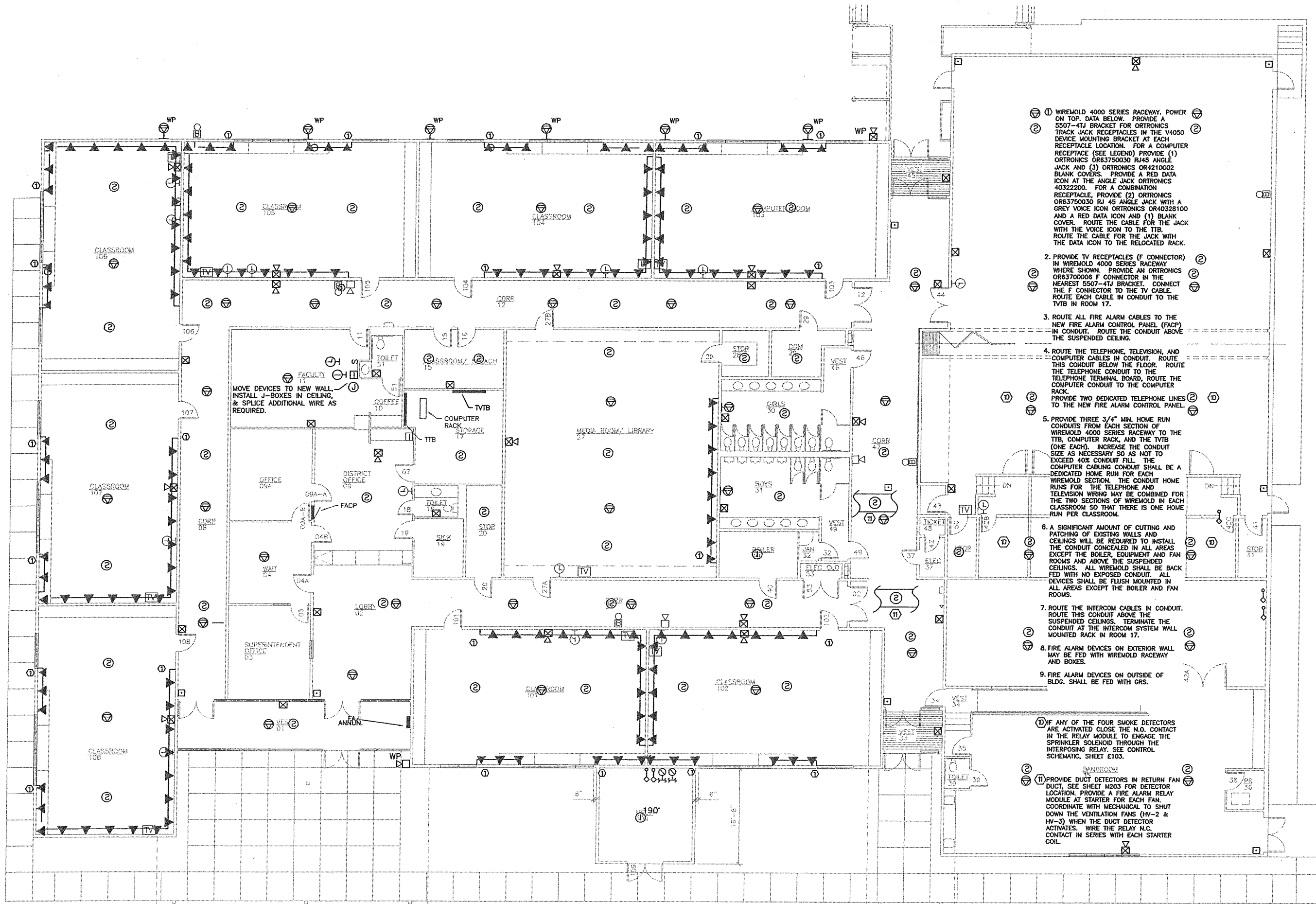
**WRANGELL PUBLIC SCHOOLS
 INTERMEDIATE SCHOOL/
 PRIMARY SCHOOL
 WRANGELL, ALASKA**

REVISIONS

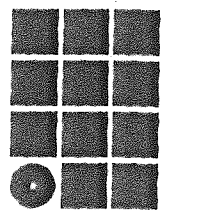
- △
- △
- △
- △

SHEET TITLE
**DEMO & EXISTING
 FLOOR PLAN
 PRIMARY SCHOOL
 .SIGNAL**
 DATE: MARCH 21, 2003
 FILE: 109-18

E302



- ① WIREMOLD 4000 SERIES RACEWAY. POWER ON TOP. DATA BELOW. PROVIDE A 5507-4TJ BRACKET FOR ORTRONICS TRACK JACK RECEPTACLES IN THE V4050 DEVICE MOUNTING BRACKET AT EACH RECEPTACLE LOCATION. FOR A COMPUTER RECEPTACLE (SEE LEGEND) PROVIDE (1) ORTRONICS OR63750030 RJ45 ANGLE JACK AND (3) ORTRONICS OR4210002 BLANK COVERS. PROVIDE A RED DATA ICON AT THE ANGLE JACK ORTRONICS 40322200. FOR A COMBINATION RECEPTACLE, PROVIDE (2) ORTRONICS OR63750030 RJ 45 ANGLE JACK WITH A GREY VOICE ICON ORTRONICS OR40328100 AND A RED DATA ICON AND (1) BLANK COVER. ROUTE THE CABLE FOR THE JACK WITH THE VOICE ICON TO THE TTIB. ROUTE THE CABLE FOR THE JACK WITH THE DATA ICON TO THE RELOCATED RACK.
- ② PROVIDE TV RECEPTACLES (F CONNECTOR) IN WIREMOLD 4000 SERIES RACEWAY WHERE SHOWN. PROVIDE AN ORTRONICS OR63700006 F CONNECTOR IN THE NEAREST 5507-4TJ BRACKET. CONNECT THE F CONNECTOR TO THE TV CABLE. ROUTE EACH CABLE IN CONDUIT TO THE TVTB IN ROOM 17.
- ③ ROUTE ALL FIRE ALARM CABLES TO THE NEW FIRE ALARM CONTROL PANEL (FACP) IN CONDUIT. ROUTE THE CONDUIT ABOVE THE SUSPENDED CEILING.
- ④ ROUTE THE TELEPHONE, TELEVISION, AND COMPUTER CABLES IN CONDUIT. ROUTE THIS CONDUIT BELOW THE FLOOR. ROUTE THE TELEPHONE CONDUIT TO THE TELEPHONE TERMINAL BOARD, ROUTE THE COMPUTER CONDUIT TO THE COMPUTER RACK. PROVIDE TWO DEDICATED TELEPHONE LINES TO THE NEW FIRE ALARM CONTROL PANEL.
- ⑤ PROVIDE THREE 3/4" MIN. HOME RUN CONDUITS FROM EACH SECTION OF WIREMOLD 4000 SERIES RACEWAY TO THE TTIB, COMPUTER RACK, AND THE TVTB (ONE EACH). INCREASE THE CONDUIT SIZE AS NECESSARY SO AS NOT TO EXCEED 40% CONDUIT FILL. THE COMPUTER CABLE CONDUIT SHALL BE A DEDICATED HOME RUN FOR EACH WIREMOLD SECTION. THE CONDUIT HOME RUNS FOR THE TELEPHONE AND TELEVISION WIRING MAY BE COMBINED FOR THE TWO SECTIONS OF WIREMOLD IN EACH CLASSROOM SO THAT THERE IS ONE HOME RUN PER CLASSROOM.
- ⑥ A SIGNIFICANT AMOUNT OF CUTTING AND PATCHING OF EXISTING WALLS AND CEILINGS WILL BE REQUIRED TO INSTALL THE CONDUIT CONCEALED IN ALL AREAS EXCEPT THE BOILER, EQUIPMENT AND FAN ROOMS AND ABOVE THE SUSPENDED CEILINGS. ALL WIREMOLD SHALL BE BACK FED WITH NO EXPOSED CONDUIT. ALL DEVICES SHALL BE FLUSH MOUNTED IN ALL AREAS EXCEPT THE BOILER AND FAN ROOMS.
- ⑦ ROUTE THE INTERCOM CABLES IN CONDUIT. ROUTE THIS CONDUIT ABOVE THE SUSPENDED CEILING. TERMINATE THE CONDUIT AT THE INTERCOM SYSTEM WALL MOUNTED RACK IN ROOM 17.
- ⑧ FIRE ALARM DEVICES ON EXTERIOR WALL MAY BE FED WITH WIREMOLD RACEWAY AND BOXES.
- ⑨ FIRE ALARM DEVICES ON OUTSIDE OF BLDG. SHALL BE FED WITH GR. S.
- ⑩ IF ANY OF THE FOUR SMOKE DETECTORS ARE ACTIVATED CLOSE THE N.O. CONTACT IN THE RELAY MODULE TO ENGAGE THE SPRINKLER SOLENOID THROUGH THE INTERPOSING RELAY. SEE CONTROL SCHEMATIC, SHEET E103.
- ⑪ PROVIDE DUCT DETECTORS IN RETURN FAN DUCT, SEE SHEET M203 FOR DETECTOR LOCATION. PROVIDE A FIRE ALARM RELAY MODULE AT STARTER FOR EACH FAN. COORDINATE WITH MECHANICAL TO SHUT DOWN THE VENTILATION FANS (HV-2 & HV-3) WHEN THE DUCT DETECTOR ACTIVATES. WIRE THE RELAY N.C. CONTACT IN SERIES WITH EACH STARTER COIL.



**Jensen
Yorba
Lott
Inc.**
 522 West 10th Street
 Juneau, Alaska 99801
 phone 907-586-1070
 fax 907-586-3959
 jensenyorbaltott.com

**IHH
ELECTRICAL**
 5636 Glacier Highway
 Juneau, Alaska 99801
 phone 907-780-6520
 fax 907-780-6552



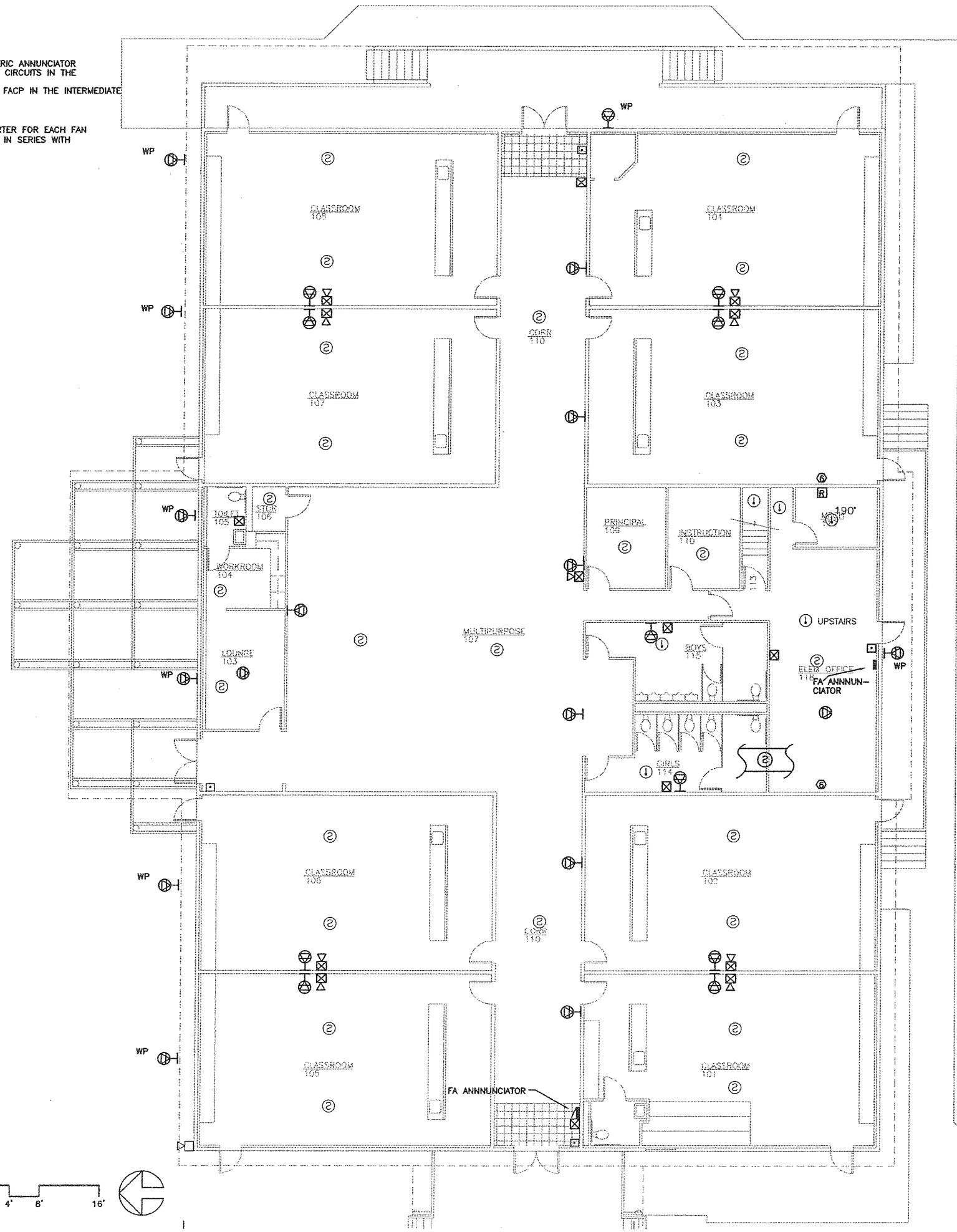
**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
 △
 △
 △
 △
 SHEET TITLE
**RENOVATION
FLOOR PLAN
INTERMEDIATE
SCHOOL - SIGNAL**
 DATE: FEBRUARY 7, 2003
 FILE: 109-18

E303

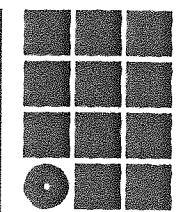
1 RENOVATION FLOOR PLAN INTERMEDIATE SCHOOL - SIGNAL
 SCALE: 0 4' 8' 16'

- NOTES:
1. PROVIDE NEW DEVICES AS SHOWN TO FIRE ALARM SYSTEM.
 2. REMOVE EXISTING FACP AND REPLACE IT WITH A NEW ENCLOSURE. USE THE ENCLOSURE AS A JUNCTION BOX. ALSO MOUNT AN ALPHA NUMERIC ANNUNCIATOR IN THE DOOR OF THE ENCLOSURE. THE ENCLOSURE SHALL LOOK LIKR THE NEW FACP IN THE INTERMEDIATE SCHOOL. HOWEVER ALL OF THE CIRCUITS IN THE PRIMARY SCHOOL SHALL BE PASSED THROUGH TO THE FACP. THE ANNUNCIATOR SHALL BE CONNECTED TO THE NEW FACP.
 3. PROVIDE A CONDUIT AND CABLES AS REQUIRED TO CONNECT ALL OF THE EXISTING DEVICES TO REMAIN AND THE NEW DEVICES TO THE NEW FACP IN THE INTERMEDIATE SCHOOL. ROUTE THE CONDUIT UNDER THE FLOOR OF BOTH SCHOOLS AND THE BREEZEWAY.
 4. LOWER THE EXISTING PULL STATIONS TO 48" AFF TO TOP.
 5. CONNECT THE NEW INTERCOM SPEAKERS TO THE NEW INTERCOM SYSTEM IN THE INTERMEDIATE SCHOOL.
 6. PROVIDE DUCT DETECTOR IN RETURN FAN DUCT, SEE SHEET M207 FOR DETECTOR LOCATION. PROVIDE A FIRE ALARM RELAY MODULE AT STARTER FOR EACH FAN. COORDINATE WITH MECHANICAL TO SHUT DOWN THE VENTILATION FANS WHEN THE DUCT DETECTOR ACTIVATES. WIRE THE RELAY N.C. CONTACT IN SERIES WITH EACH STARTER COIL.



1 RENOVATION FLOOR PLAN PRIMARY SCHOOL - SIGNAL

SCALE: 0 4' 8' 16'



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



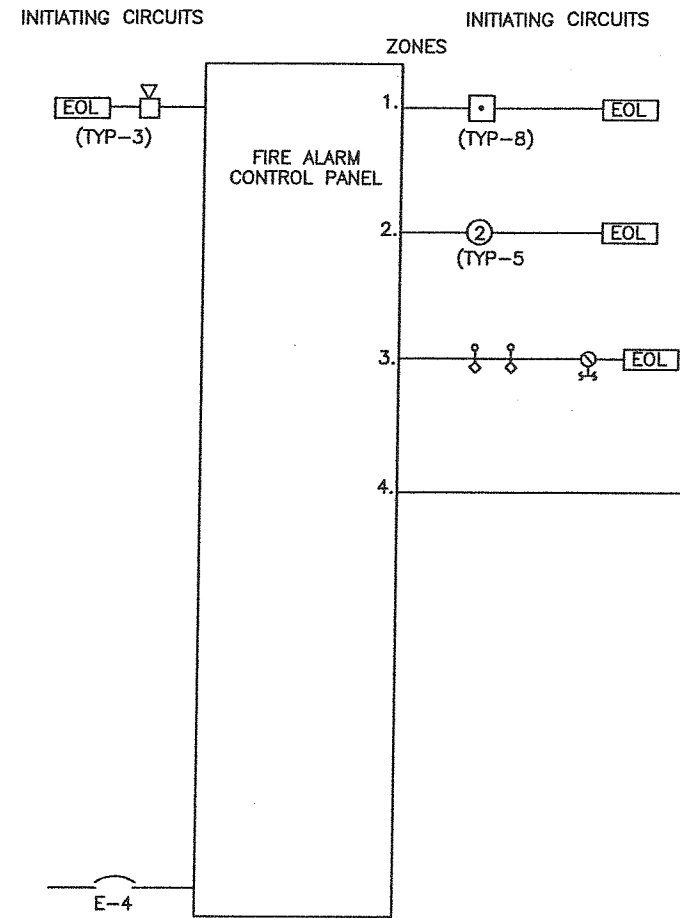
**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

- REVISIONS
- △
 - △
 - △
 - △

SHEET TITLE
**RENOVATION
FLOOR PLAN
PRIMARY SCHOOL
SIGNAL**

DATE: FEBRUARY 7, 2003
FILE: 109-18

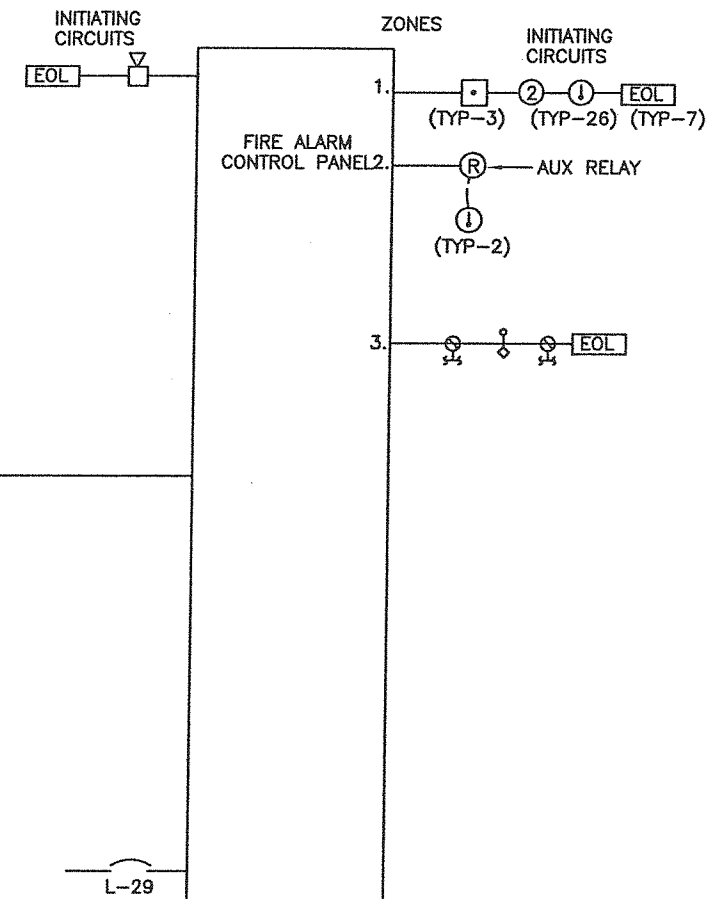
E304



NOTES:

1. REMOVE PANEL AND ALL DEVICES AND WIRING. REFUSE CONDUIT AS PRACTICAL.
2. PROVIDE NEW PANEL AND DEVICES AS SHOWN ON E 303 AND E306.

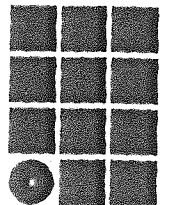
EXISTING FIRE ALARM RISER— INTERMEDIATE SCHOOL
NO SCALE



NOTES:

1. REPLACE ENCLOSURE WITH NEW. RECONNECT EXISTING INITIATING CIRCUITS TO NEW FACP IN INTERMEDIATE SCHOOL.
2. REPLACE INDICATOR DEVICES AS SHOWN. REPLACE WIRING ON INDICATOR CIRCUIT AS NECESSARY.
3. ADD NEW INITIATING CIRCUITS WITH NEW CONDUIT AND WIRING AS SHOWN.

EXISTING FIRE ALARM RISER— PRIMARY SCHOOL
NO SCALE



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**
5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

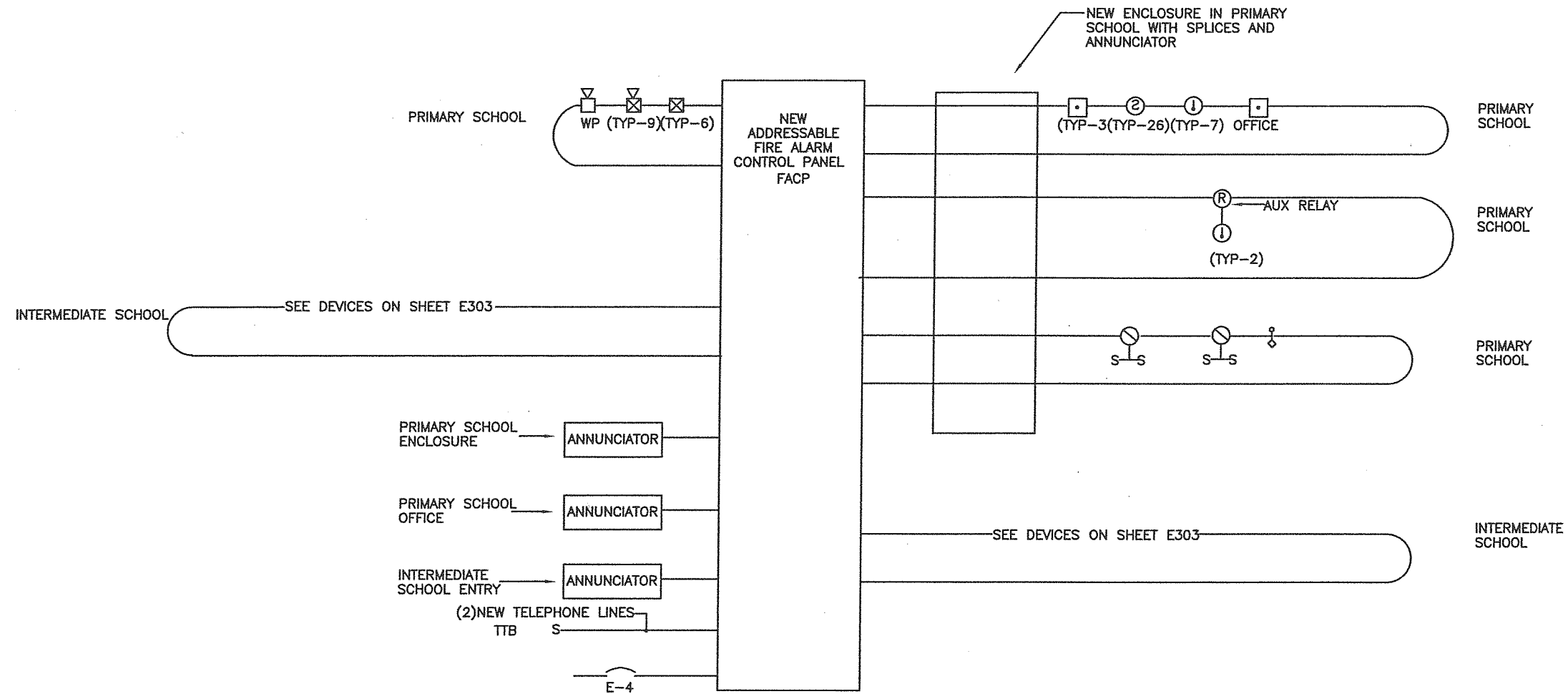
REVISIONS

- △
- △
- △
- △

SHEET TITLE

EXISTING FIRE ALA
RISER DIAGRAMS
PRIMARY &
INTERMEDIATE SCF
DATE: MARCH 21, 2003
FILE: 109-18

E305

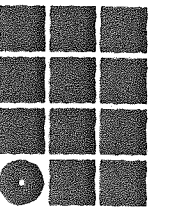


FIRE ALARM RISER DIAGRAM - NEW
NO SCALE

NOTES:

1. CONNECT EXISTING INITIATING DEVICE CIRCUIT IN PRIMARY SCHOOL TO THE NEW FACP. REMOVE EXISTING EOL RESISTORS CONNECT CIRCUIT BACK TO PANEL.
2. PROVIDE NEW ADDRESSABLE DEVICES ON NEW INITIATING CIRCUITS IN INTERMEDIATE SCHOOL. SEE SHEET E303 FOR NEW DEVICE LOCATIONS AND TYPES.
3. PROVIDE NEW INDICATING DEVICES IN PRIMARY SCHOOL. PROVIDE NEW CONDUIT AND WIRING.
4. PROVIDE NEW INDICATING DEVICES W/NEW CONDUIT AND WIRING IN INTERMEDIATE SCHOOL. SEE SHEET E303 FOR NEW DEVICE LOCATIONS AND TYPES.
5. PROVIDE NEW ALPHA NUMERIC ANNUNCIATORS WHERE SHOWN.
6. LOCATE NEW ADDRESSABLE FIRE ALARM PANEL WHERE SHOWN IN INTERMEDIATE SCHOOL.
7. ANY INITIATING DEVICE IN EITHER SCHOOL SHALL ACTIVATE ALL INDICATING DEVICES IN BOTH SCHOOLS. THE SYSTEM SHALL BE FULLY CONTROLLED AT ANY ANNUNCIATOR.
8. A SILENCE BUTTON SHALL SILENCE ALL INDICATOR DEVICES. A RESET BUTTON SHALL RESET THE ENTIRE SYSTEM.
9. USE ONLY RED FIRE ALARM CABLE.
10. PROVIDE A RELAY MODULE ON ONE CIRCUIT TO ENERGIZE THE STAGE CURTAIN SOLENOID.

CHECK ON MONITORING TO 911 CALL CENTER.



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

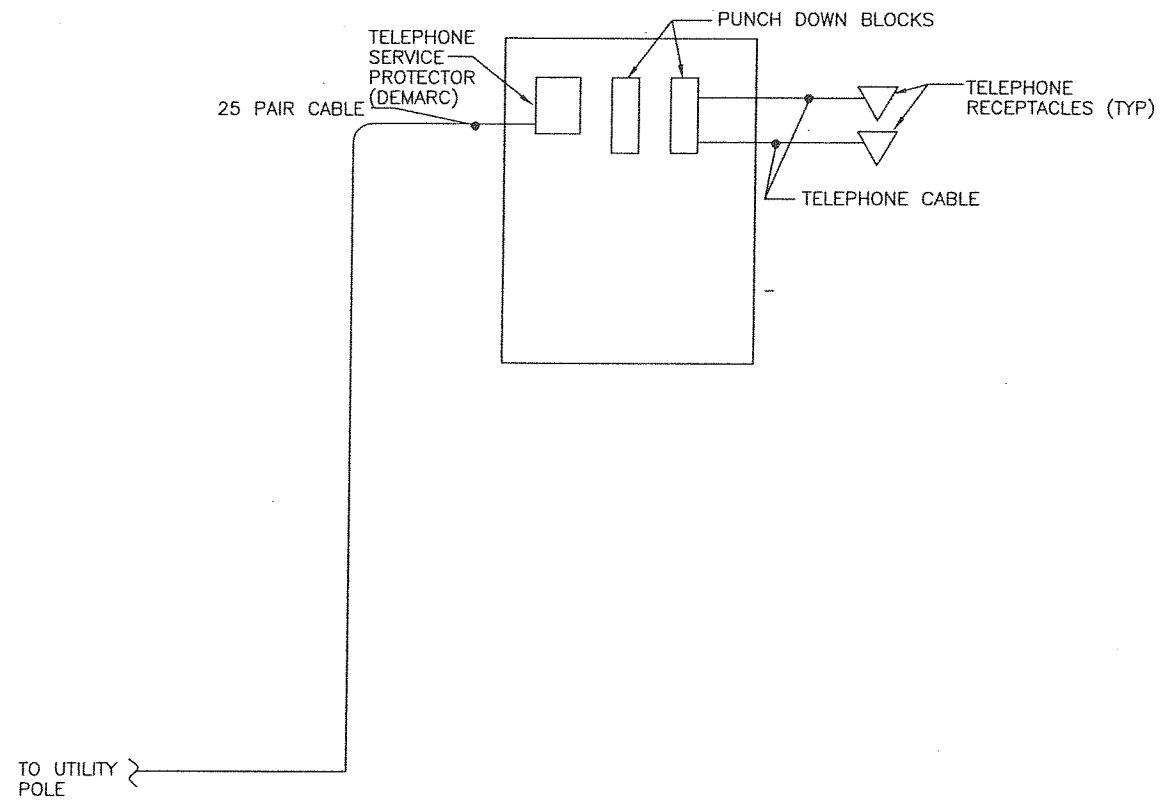
REVISIONS

- △
- △
- △
- △

SHEET TITLE
NEW
FIRE ALARM
RISER DIAGRAM

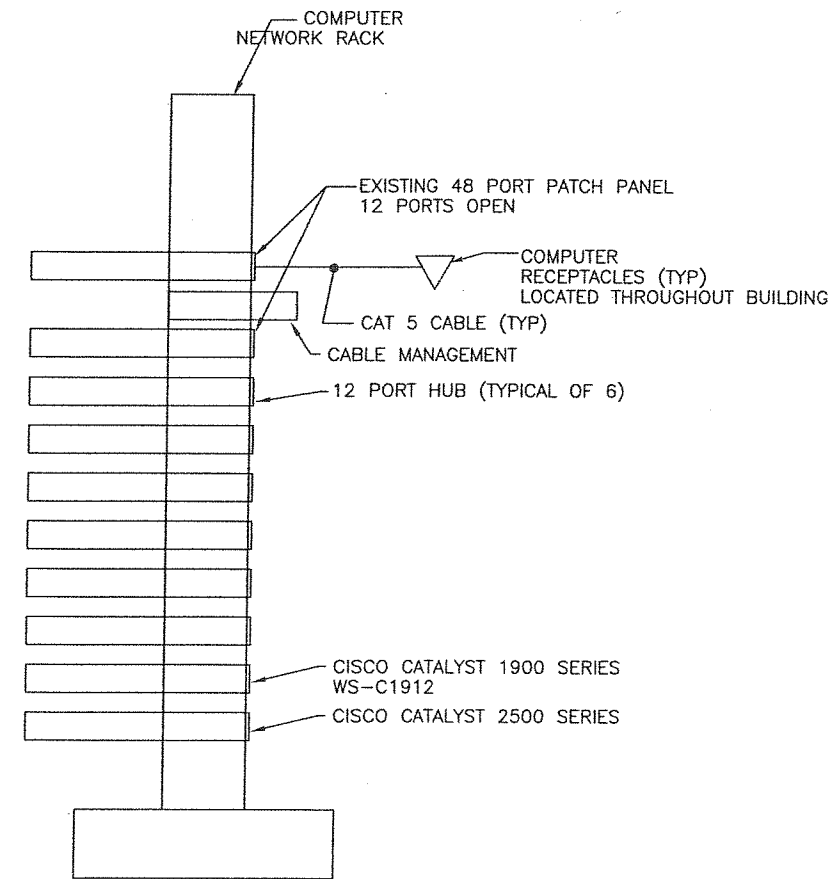
DATE: MARCH 21, 2003
FILE: 109-18

E306



TELEPHONE SYSTEM NOTES:

1. ADD A WALL MOUNT RACK AND PATCH PANELS TO TERMINATE THE NEW CABLES. ADD NEW PUNCH DOWN BLOCKS AND CROSS CONNECT EACH OF THE CABLES FROM THE PATCH PANEL TO THE PUNCH DOWN BLOCK. COORDINATE WITH THE OWNER AS TO WHICH CABLES SHOULD BE CONNECTED TO THE EXISTING SWITCH VIA THE NEW PATCH PANELS AND PUNCH DOWN BLOCKS. CONNECT THOSE CABLES.

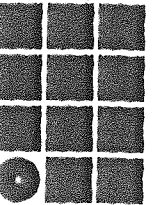


COMPUTER SYSTEM NOTES:

1. LEAVE ALL OF THE EXISTING COMPUTER RECEPTACLES IN PLACE. ADD NEW PATCH PANELS TO TERMINATE THE NEW CABLES.
2. DO NOT SHUT DOWN THE EXISTING COMPUTER NETWORK SYSTEM. CONTACT THE OWNER TO HAVE THE SYSTEM SHUT DOWN BEFORE ANY WORK IS DONE. CONTACT THE OWNER TO HAVE THE SYSTEM STARTED BACK UP. PAY THE OWNER TO REPAIR ANY DAMAGE TO THE SYSTEM DURING THE PROJECT. IF THERE ARE ANY PROBLEMS WITH THE SYSTEM WHEN IT IS RE-STARTED, PAY THE OWNER TO CORRECT THEM.

EXISTING TELEPHONE /COMPUTER /TV RISER DIAGRAMS

NO SCALE



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**

5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

- △ .
- △ .
- △ .
- △ .

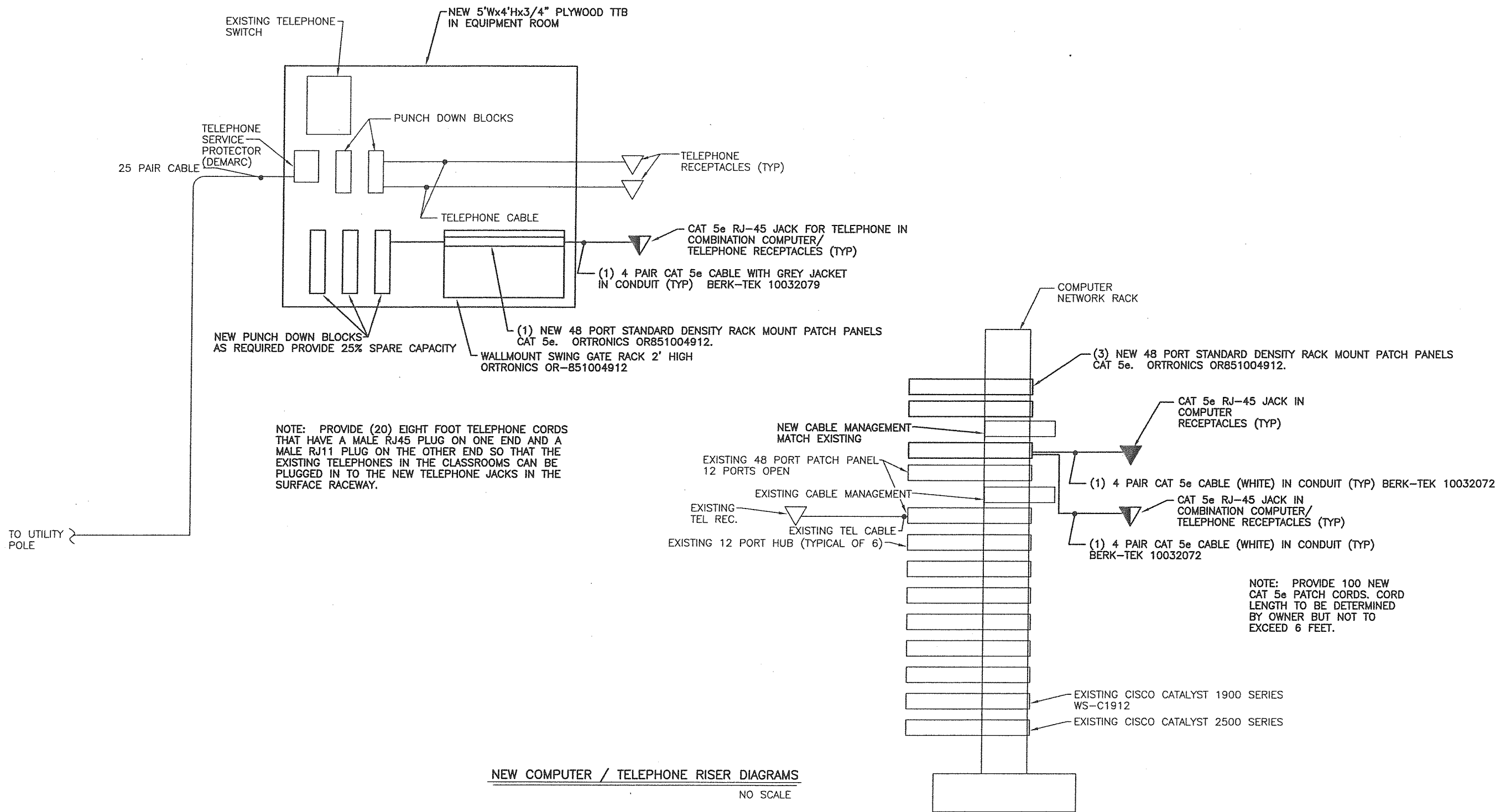
SHEET TITLE

**EXISTING
TELEPHONE &
COMP SYSTEM
RISER DIAGRAMS**

DATE: MARCH 21, 2003

FILE: 109-18

E307

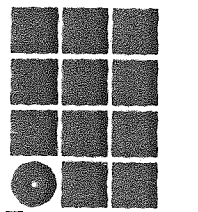


NOTE: PROVIDE (20) EIGHT FOOT TELEPHONE CORDS THAT HAVE A MALE RJ45 PLUG ON ONE END AND A MALE RJ11 PLUG ON THE OTHER END SO THAT THE EXISTING TELEPHONES IN THE CLASSROOMS CAN BE PLUGGED IN TO THE NEW TELEPHONE JACKS IN THE SURFACE RACEWAY.

NOTE: PROVIDE 100 NEW CAT 5e PATCH CORDS. CORD LENGTH TO BE DETERMINED BY OWNER BUT NOT TO EXCEED 6 FEET.

NEW COMPUTER / TELEPHONE RISER DIAGRAMS
NO SCALE

1. ALL COMPUTER RECEPTACLES, TELEPHONE RECEPTACLES, COMPUTER AND TELEPHONE CABLING BETWEEN THE RECEPTACLES AND THE PATCH PANELS AND PUNCH DOWN BLOCKS, AND THE PATCH PANELS SHALL BE CATEGORY 5e PER THE APPLICABLE EIA/TIA STANDARDS. THE INSTALLATION AND TERMINATIONS OF THESE CABLES, DEVICES, AND EQUIPMENT SHALL COMPLY WITH THE APPLICABLE STANDARDS FOR CATEGORY 5e (WITH EXCEPTION OF THE TERMINATIONS OF THE CAT 5e CABLES ON THE PUNCH DOWN BLOCKS FOR THE TELEPHONE)
3. PROVIDE ALL NEW RECEPTACLES, CABLING, AND PATCH PANELS FOR THE COMPUTER NETWORK AS SHOWN. PROVIDE T568B WIRING. THE TELEPHONE RECEPTACLES AND THEIR CABLES BACK TO THE PUNCH DOWN BLOCKS SHALL HAVE T568B WIRING TO ALLOW THEM TO BE CONVERTED TO COMPUTER RECEPTACLES AT A FUTURE DATE IF NEEDED. PROVIDE NEW PATCH PANELS, AND PUNCHDOWN BLOCKS AS SHOWN.



**Jensen
Yorba
Lott
Inc.**
522 West 10th Street
Juneau, Alaska 99801
phone 907-586-1070
fax 907-586-3959
jensenyorbalt.com

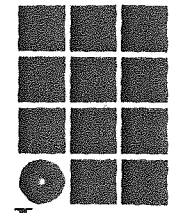
**IHH
ELECTRICAL**
5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS
△
△
△
△
SHEET TITLE
NEW
TELEPHONE &
COMP SYSTEM
RISER DIAGRAMS
DATE: MARCH 21, 2003
FILE: 109-18

E308



**Jensen
Yorba
Lott
Inc.**

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

**IHH
ELECTRICAL**
5636 Glacier Highway
Juneau, Alaska 99801
phone 907-780-6520
fax 907-780-6552



**WRANGELL PUBLIC SCHOOLS
INTERMEDIATE SCHOOL/
PRIMARY SCHOOL
WRANGELL, ALASKA**

REVISIONS

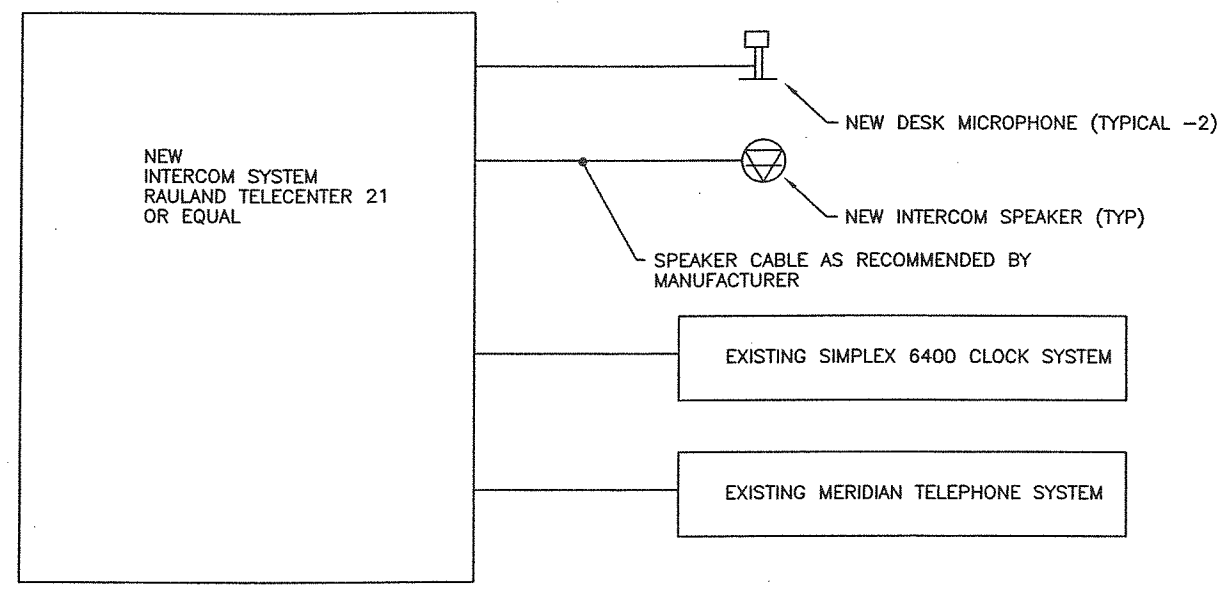
- △ .
- △ .
- △ .
- △ .

SHEET TITLE

**NEW
TELEVISION &
INTERCOM SYSTEM
RISER DIAGRAMS**

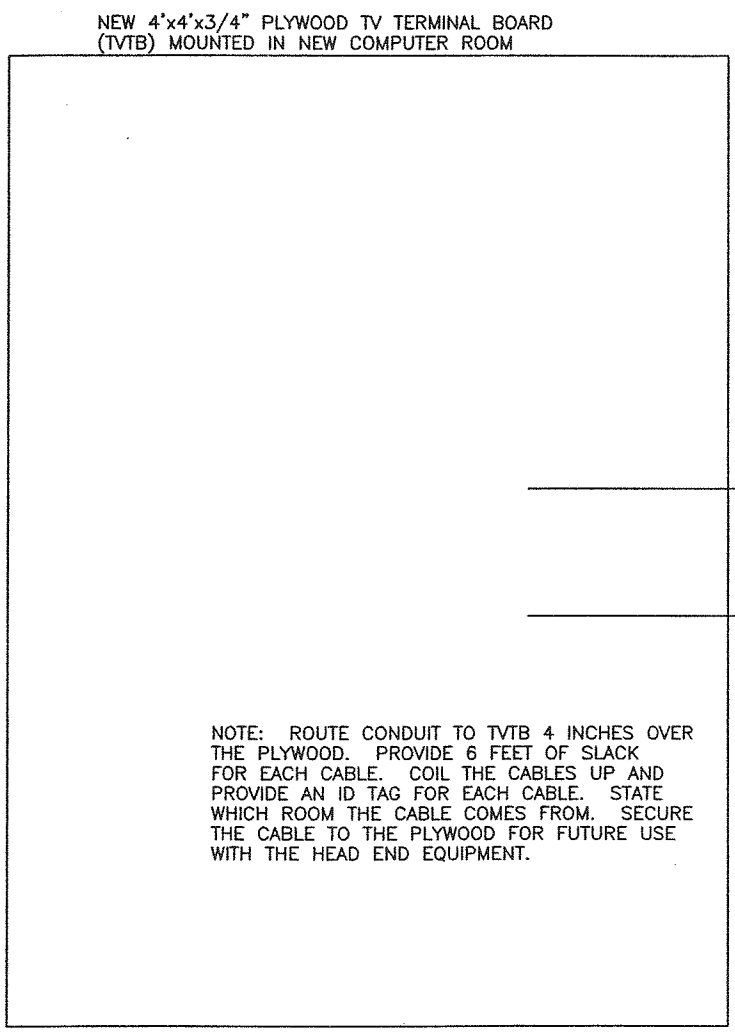
DATE: FEBRUARY 7, 2003
FILE: 109-18

E309



NEW INTERCOM RISER DIAGRAM
NO SCALE

NOTES: PROVIDE AN INTERCOM PAGING SYSTEM THAT WILL TIE INTO THE EXISTING TELEPHONE SYSTEM. THE HANDSETS SHALL BE ABLE TO MAKE INTERCOM CALLS. PROVIDE A MIC AT THE DISTRICT OFFICE DESK. MOUNT THE INTERCOM MIC AT THE DISTRICT OFFICE DESK. MOUNT IN THE INTERCOM SYSTEM IN A WALLMOUNTED RACK AND LOCATE ADJACENT TO THE TELEPHONE SYSTEM. PROVIDE ALL EQUIPMENT NECESSARY FOR A FULLY OPERATIONAL INTERCOM SYSTEM INCLUDING SPEAKERS, AMPLIFIERS, AND OTHER EQUIPMENT NEEDED TO MAKE PAGING CALLS THROUGHOUT THE BUILDINGS FROM ANY TELEPHONE HANDSET OR THE MIC AT THE DISTRICT OFFICE OR THE MIC AT THE PRIMARY SCHOOL OFFICE. THE INTERCOM SYSTEM SHALL ALSO CONTROL THE CLOCKS INCLUDING SYNCHRONIZING THE CLOCKS AND CHANGING THE TIME AUTOMATICALLY FOR DAYLIGHT SAVINGS TIME AND UPDATING THE TIME AS REQUIRED. THE INTERCOM SHALL HAVE THE CAPABILITY OF PROVIDING TIME SCHEDULING CHIMES ON THE SPEAKERS TO PROVIDE A BELL SYSTEM THROUGHOUT THE INTERMEDIATE AND PRIMARY SCHOOLS.



NOTE: ROUTE CONDUIT TO TVTB 4 INCHES OVER THE PLYWOOD. PROVIDE 6 FEET OF SLACK FOR EACH CABLE. COIL THE CABLES UP AND PROVIDE AN ID TAG FOR EACH CABLE. STATE WHICH ROOM THE CABLE COMES FROM. SECURE THE CABLE TO THE PLYWOOD FOR FUTURE USE WITH THE HEAD END EQUIPMENT.

NEW TV RISER DIAGRAM
NO SCALE

INTERMEDIATE/PRIMARY

EXT WEST WALL SURFACE NEW

PRIMARY

101	WALL	①	201	11 CABLES	
102		②	202		
103		③	203		
04		④	204		
05		⑤	205		
06		⑥	206		
07		⑦	207		
08		⑧	208		
111	②	⑪	210		ONE CABLE
B 0					
C 0					
14	(GIRLS)	⑨	215	ONE CABLE	
15	(BOYS)				
EXT "E" WALL		⑩	220		

**Wrangell Elementary School
Intercom Directory**

All Call:	#000
Rm. 11 Faculty:	011
Rm. 04 Waiting:	004
Rm. 106:	106
Rm. 101:	101
Rm. 102 Computer:	102
Rm. 35 Band Room:	035
Rm. 42 Platform (Stage):	042
Rm. 43 Multipurpose:	043
Rm. 44 Recreation (Gymn):	044
Rm. 103:	103
Rm. 104:	104
Rm. 105:	105
Rm. 107:	107
Rm. 108:	108
Rm. 27 (Library):	027
Rm. 001 (Vestibule):	001
Rm. 31 (Boys Room):	031
Rm. 30 (Girls Room):	030
C8 (Corridor):	008
C12 (Corridor):	012
C47 (Corridor):	047
C21 (Corridor):	021
Playground North:	098
Playground South:	099
002 (Lobby):	002

- to ring bells manually
- ① lift up receiver
 - ② press # 92
 - ③ press #
 - ④ hang up to turn bells off

#000 ALL-CALL
 #001 ~~intermediate~~ ^{Primary} page
 #002 ~~primary~~ ^{intermediate} page
 #003 Exterior page

Bell & Chime schedule

Schedule # 1 - Primary

Schedule # 2 - intermediate

To turn bells & chimes on or off:

- ① Dial # 95
- ② The display will show 1, 2, 3, 4
- ③ To turn off bells for both building, dial 1 & 2 - they will disappear. ④ - Then hang up.
- ④ To turn them back on dial # 95 & dial 1 & 2 again - they will reappear - then hang up.