



BURKHART
 DENIAL SUPPLY COMPANY
 2502 South 78th Street
 Tacoma, Washington 98409
 12000 Industry Way, Unit N-1
 Anchorage, Alaska 99515
 Attn: Carter Barnes
 Phone: 1-866-324-1983
 Fax: 1-253-212-4981

2600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 907 561-5780
212 FRONT STREET FAIRBANKS, ALASKA 99701 907 436-5780
WWW.BEITISWORTHINORTH.COM

$$\overline{D1.1|D4.}$$
$$\frac{1.1104}{1.1104}$$

1

$$\frac{1}{D1.1D4.}$$

—

SCALE: 1/2" = 1'-0"



Recommended Tool

- *Phillipsia acutodriver*

- ## Before You Begin

an A-dex 500 line The 400

estimating price

TRACK

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Journal of Management Education

2-5

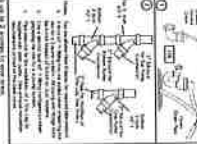
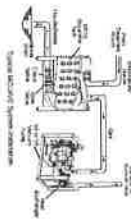
[illegible][illegible][illegible]

Figure 1 consists of two diagrams, (a) and (b), illustrating the use of the 'Cord' device. Diagram (a) shows a person in a seated position with the Cord attached to their back, connected to a 'Cord' unit. Diagram (b) shows a person in a standing position with the Cord attached to their back, connected to a 'Cord' unit. Both diagrams include a list of numbered steps (1-5) describing the procedure.

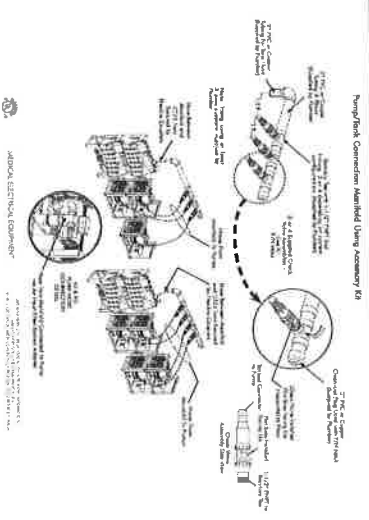
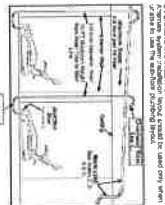
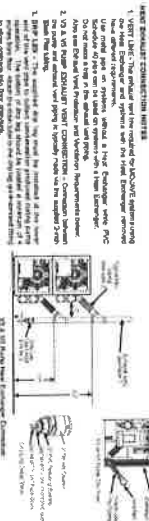
1. Attach the Cord to the back of the person.

2. Connect the Cord to the 'Cord' unit.

3. Turn the 'Cord' unit on.

4. Adjust the 'Cord' unit to the desired level.

5. The 'Cord' unit will now provide a constant level of stimulation to the back of the person.

[illegible]

021/b21061 MOJAVE V3

DENTAL EQUIPMENT SPECIFIC
TO THESE SPECIFICATIONS
CAN BE ACQUIRED FROM:

BURKHART
DENTAL SUPPLY COMPANY
2502 South 78th Street
Tacoma, Washington 98409
12000 Industry Way, Unit N-1
Anchorage, Alaska 99515
Attn: Carter Barnes
Phone: 1-866-324-1963
Fax: 1-253-212-4981

[illegible]

THIS IS A SUGGESTED PLAN WITH
VARIATIONS FOR THE DENTAL EQUIPMENT ONLY

PROJECT NO.: 12-152
DATE: 14 JUNE 2013
DRAWN BY: JS
CHECKED BY: RR
REVISIONS: -

100% CONSTRUCTION DRAWINGS

12-152
TANANA CHIEFS CONFERENCE
RUBY CLINIC

RUBY, ALASKA

W WATTERSON CONSTRUCTION
401.333.5624 • 401.333.5625

BETTISWORTH NORTH
ARCHITECTS AND PLANNERS

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GENERAL NOTES

FLOOR SLEEPING - THE FLOOR SLEEPER @ 17°C.

[illegible]

ROOF SHEATHING - 10s @ 12" OC,
WALL SHEATHING - 10s @ 12" OC.

MINIMUM ROOF DESIGN WIND UPLIFT - 24 PSF MINIMUM. COORDINATE WEIGHTS, LOCATIONS, EJECTOR DETAILS, SUBMIT SHOP DRAWINGS SHOWING TRUSSES AND EJECTION BRACING TO THE CONTRACTOR'S DESIGN CONSULTANT AND PROVIDE ALL ATTACHED WITH 65741870.000.

NOTICE: DESIGNED AND MANUFACTURED BY MEDICAL, LTD. OR APPROVED EQUIV. CERTIFICATION REQUIRED.

FACED ASSEMBLED WALL, FLOOR AND ROOF PANELS CONSISTING OF ORIENTED STRAND BOARD (OSB) PANELS WITH EXPANDED POLYSTYRENE CORE. PANEL FACTORS TO COVER CEILING AND FLOOR ARE 8'0" X 16'0".

BUILDING DEPARTMENT.

ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON EITHER SITE OBSERVATION, ORIGINAL DRAWINGS OR WERE A

BEEP TO AFFECTED BY DRAWING FOR WALL OPENING, AFFECTED BY THE BEEP

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

W WATTERSON CONSTRUCTION
ph: (907)563-7441 fax: (907)563-7222

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ARCHITECTS AND PLANNERS

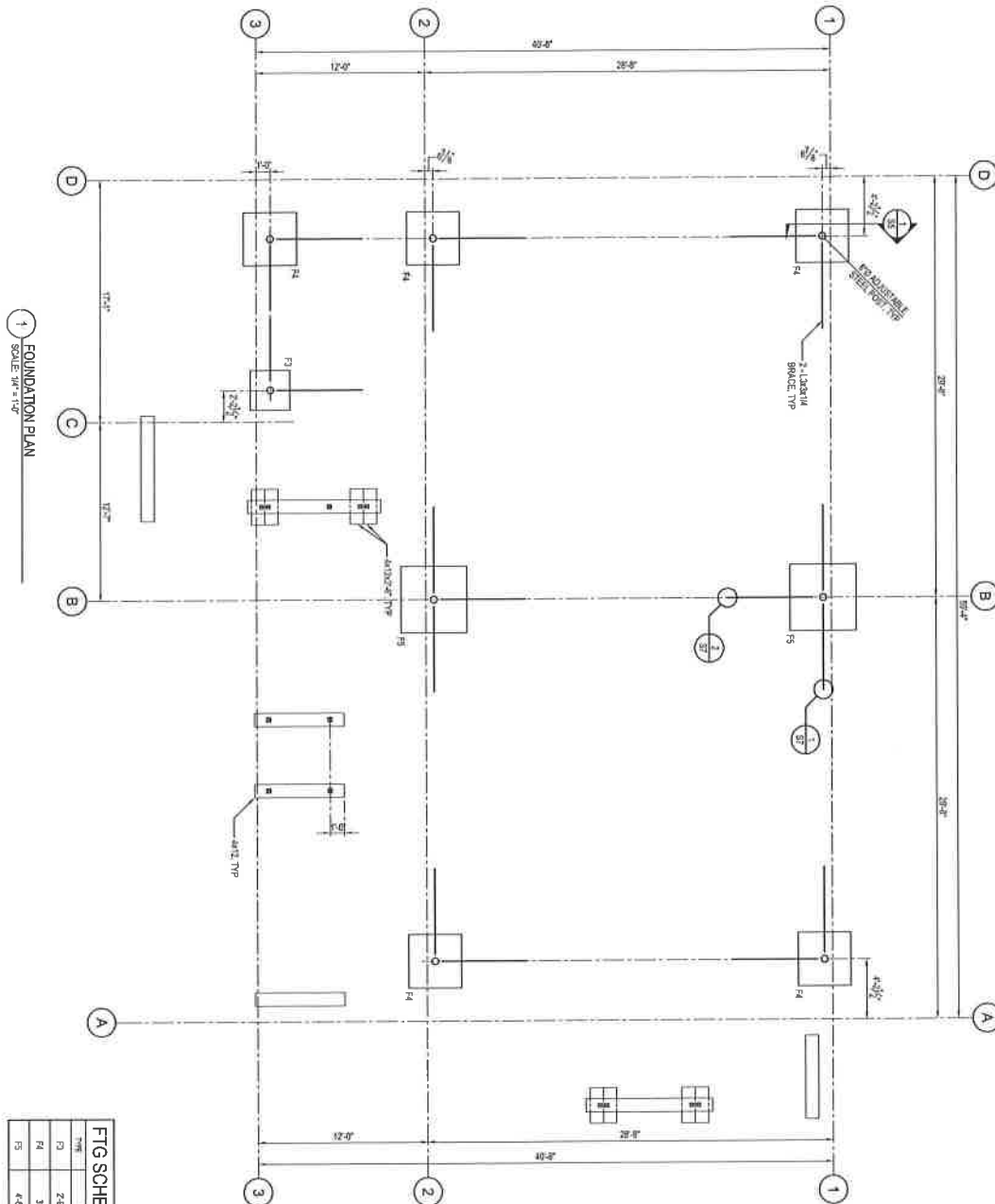
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12-152
TANANA CHIEFS CONFERENCE
RUBY CLINIC
RUBY, ALASKA

PROJECT NO:	12-152
DATE:	14 JUNE 2013
DRAWN BY:	KWK
CHECKED BY:	TJF
REVISIONS:	-

GENERAL NOTES AND ABBREVIATIONS
S1



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

FTG SCHEDULE	
TYPE	SIZE
P3	2-9 3/4" SQ
P4	3-9" SQ
P5	4-0 1/4" SQ

NOTE:
SEE DETAILS 1 AND 255 FOR FTG CONSTRUCTION

100% CONSTRUCTION DRAWINGS

12-152
TANANA CHIEFS CONFERENCE
RUBY CLINIC
RUBY, ALASKA

 **WATTERSON CONSTRUCTION**
ph: (907) 583-7441 fax: (907) 583-7222

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FOUNDATION PLAN

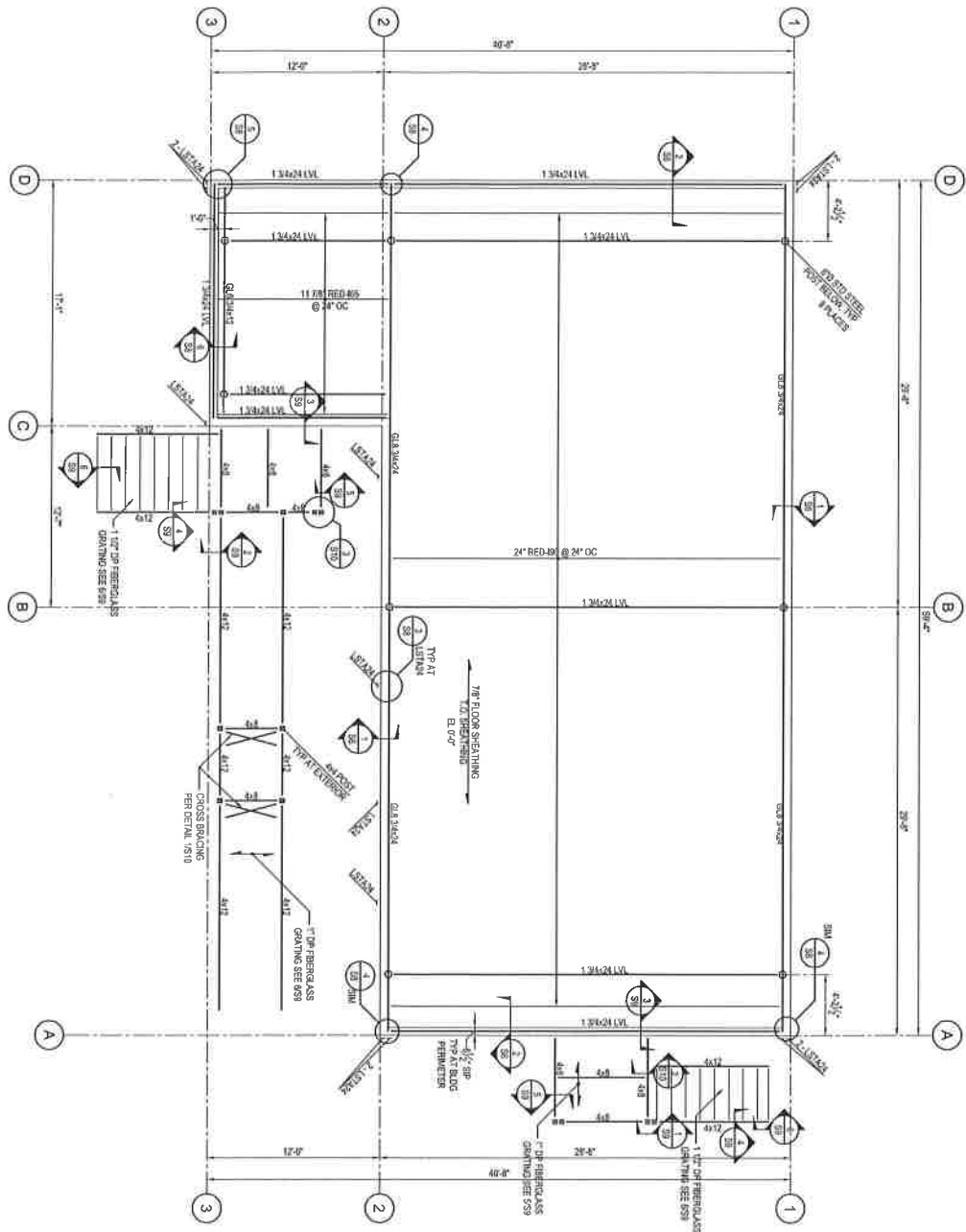
S2

§2

FOUNDATION PLAN

PROJECT NO: 12-15
DATE: 14 JUNE 2011
DRAWN BY: JMW
CHECKED BY: TJ
REVISIONS:

BBFM
Engineers Inc.



NOTES:
1. ALL DECKLANDING STAIR FRAMING TO BE PT WOOD.
2. PULTRUDED GRATING TREADS 1" DEEP UNO.

FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

53

FLOOR FRAMING PLAN

PROJECT NO: 12-152
DATE: 14 JUNE 2013
DRAWN BY: JMC
CHECKED BY: TJP
REVISIONS: -

BBFM
Engineers Inc.
310 E. Street, Suite 200
Anchorage, AK 99501-1488
Phone: (907) 274-2728 Fax: 274-2470

100% CONSTRUCTION DRAWINGS

12-152
TANANA CHIEFS CONFERENCE
RUBY CLINIC
RUBY, ALASKA

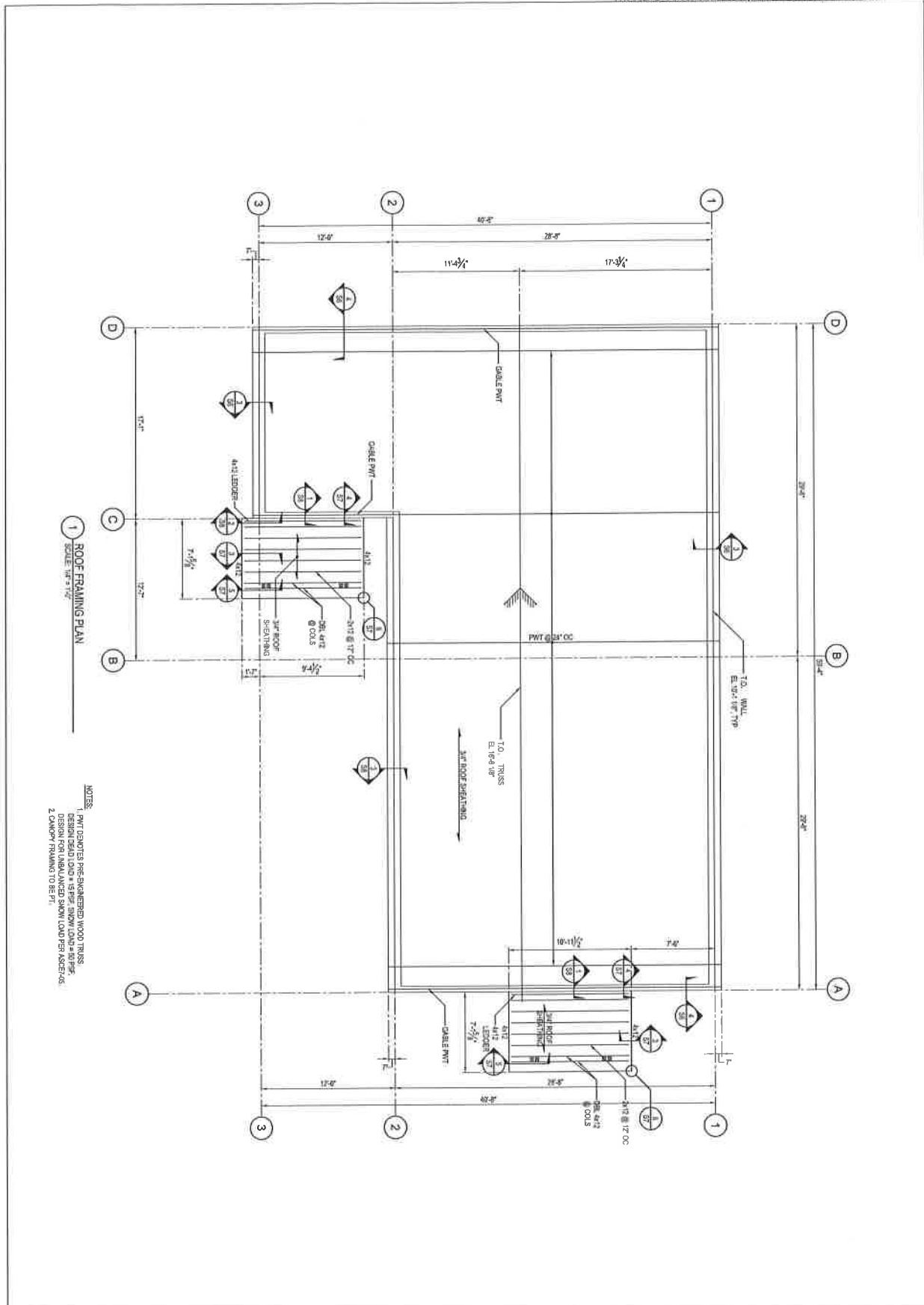


W WATTERSON CONSTRUCTION
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IF THIS DIMENSION DOES NOT MEASURE ONE INCH (1") EXACTLY, THIS DRAWING
HAS BEEN ENLARGED OR REDUCED, AFFECTING ALL LABELED SCALES.



- NOTES:
1. PWT DENOTES PRE-ENGINEERED WOOD TRUSS.
DESIGN DEAD LOAD = 15 PSF, SNOW LOAD = 70 PSF.
DESIGN FOR UNBALANCED SNOW LOAD PER ASCE-05
2. CANOPY FRAMING TO BE PT.



3600 DENALI STREET SUITE 710 ANCHORAGE, ALASKA 99503 907.561-5780
 212 FRONT STREET FAIRBANKS, ALASKA 99701 907.426-5780
 1000 UNIVERSITY BLVD. S. ANCHORAGE, ALASKA 99501 907.561-5780

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 ph: (907)563-7444 fax: (907)563-7222

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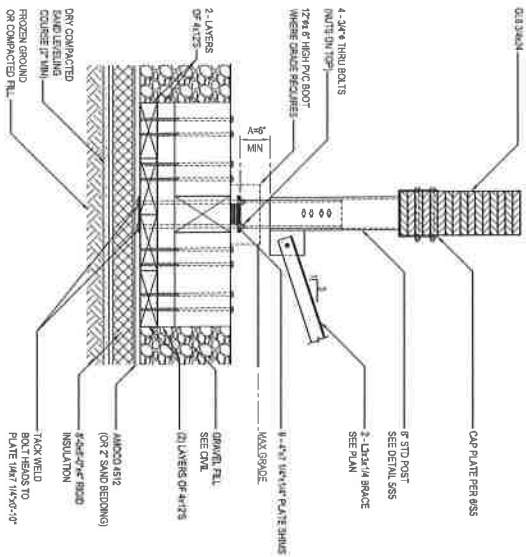
CONSULTANT:

BBFM
 Engineers Inc.
 P.O. Box 300
 Fairbanks, Alaska 99701
 Phone (907) 457-7629 Fax (907) 457-7629

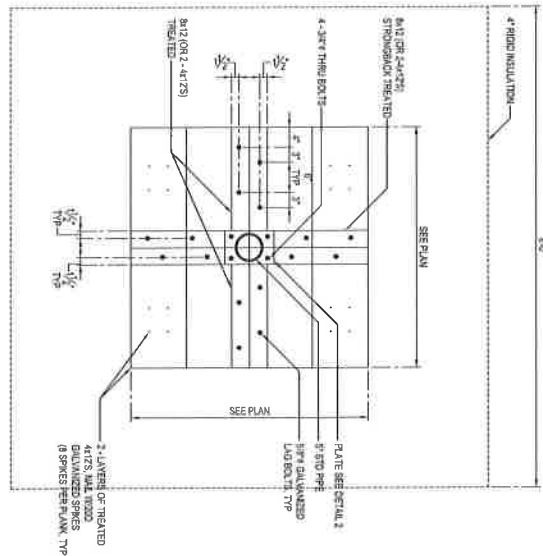
PROJECT NO: 12-152
 DATE: 14 JUNE 2013
 DRAWN BY: JMC
 CHECKED BY: T
 REVISIONS:

ROOF FRAMING PLAN

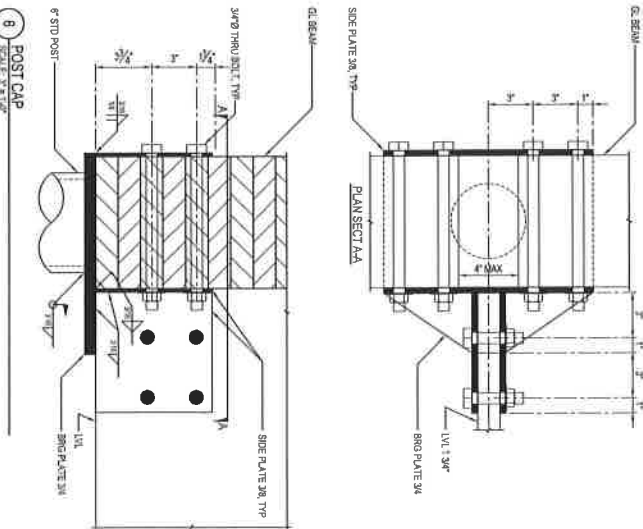
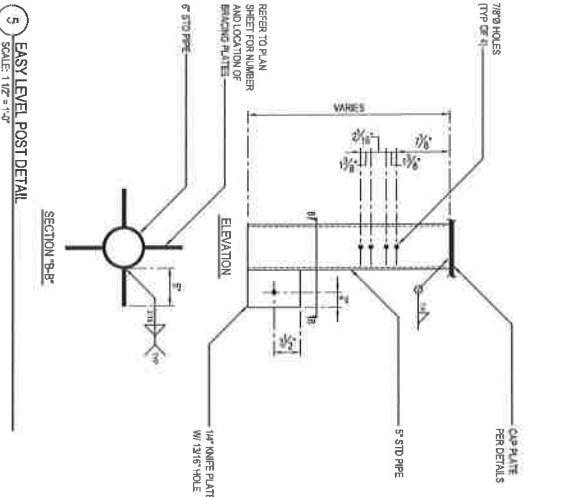
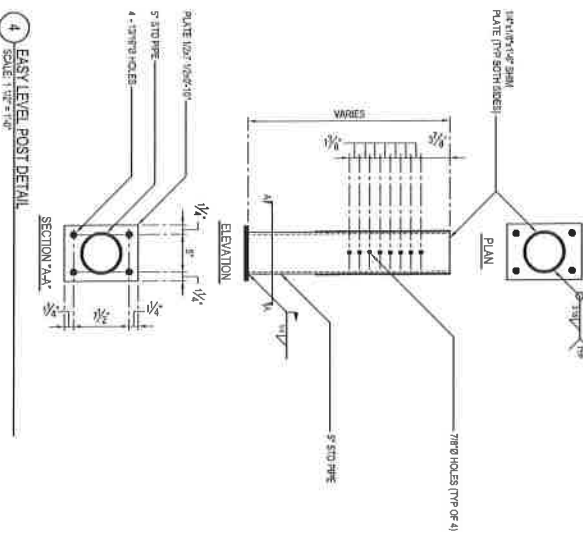
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1 FOUNDATION SECTION
SCALE 1" = 1'-0"

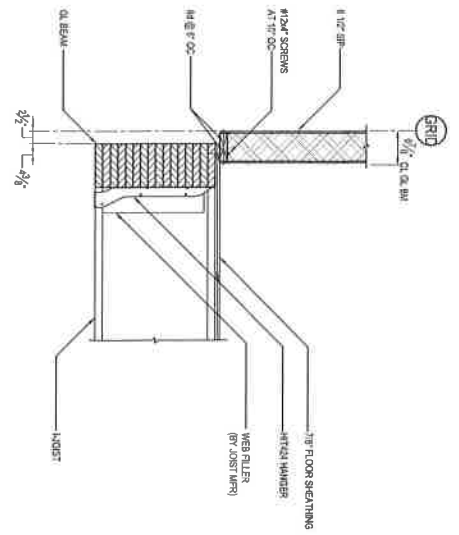


2 FOOTING - PLAN VIEW
SCALE 1" = 1'-0"

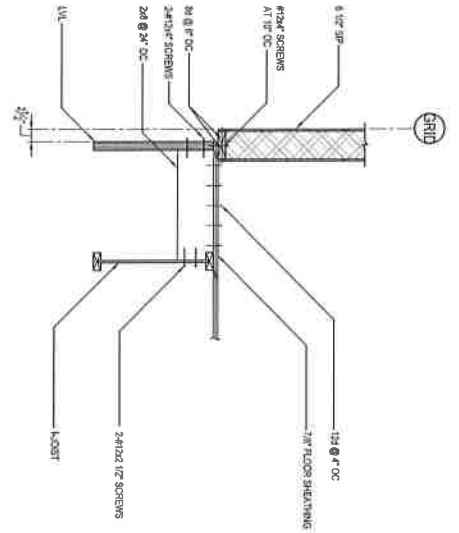


- NOTES: DRAW 15-101 POST & PAD SYSTEM
1. DIMENSIONS ARE FOR FLAT GROUND WHERE STRUCTURE IS BUILT ON SLOPING GROUND DIMENSION 'Y' CAN BE INCREASED TO A MAXIMUM OF 2'-0".
 2. APPLY HEAVY COATING OR BUTY SEAL TO THE INSIDE OF THE POST BEFORE SETTING THE INITIAL SETTING SHALL HAVE A MINIMUM OF 1/2" OF SHIMS AND A MAXIMUM OF 1/2" OF SHIMS.
 3. CONTRACTOR SHALL FINISH SHIMS INITIAL SETTING SHALL HAVE A MINIMUM OF 1/2" OF SHIMS AND A MAXIMUM OF 1/2" OF SHIMS.
 4. CONTRACTOR SHALL TAKE ALL MEASURES TO KEEP THE GROUND BENEATH THE THIMBER POSTS FROZEN WHEN EXCAVATING FOR THE THIMBER POSTS. THE GROUND SHALL BE OVER EXCAVATED IF NECESSARY AND THE EXCAVATED AREA FILLED WITH COMPACTED TYPE III OR TYPE IV FILL MATERIAL AS APPROVED BY THE ENGINEER. THE BALANCE OF THE CONSTRUCTION INCLUDING THE LAYING OF THE SAND BEDDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GROUND BENEATH THE POSTS IN A FROZEN CONDITION. FAILURE TO KEEP THE GROUND BENEATH THE POSTS FROZEN DURING THE INSTALLATION SEQUENCE WILL RESULT IN THE PAD SYSTEM BEING REJECTED.
 5. FOR INSTALLATION ON SLOPPY GROUND, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SINKING ALL POSTS AND BRACING TO FIT THE EXISTING CONDITIONS.
 6. THE GRADE SHALL NOT EXCEED THIS ELEVATION. THIS ELEVATION SHALL BE USED FOR THE POSTS WITH THE DEEPEST PENETRATION INTO THE FILL GRADE. IN ALL CASES THE POSTS WITH THE DEEPEST PENETRATION INTO THE FILL GRADE SHALL BE USED AND THE 15' ELEVATION AS LOW AS POSSIBLE WITH RESPECT TO THE SURROUNDING GROUND.
 7. ADJUSTMENTS SHALL BE MADE USING THE POST PINS AND BASE PLATE SHIMS WHENEVER DIFFERENTIAL SETTLEMENT OF THE COLUMN BEAM EXCEEDS 1" BETWEEN ADJACENT POSTS OR 2" BETWEEN ANY POSTS.
 8. TOP OF POST ELEVATION SHALL BE PLACED WITHIN 1/4" WITH RESPECT TO ALL OTHER POSTS & POSTS SHALL BE PLUMB WITHIN 24" OF VERTICAL. POSTS SHALL BE PLACED WITH A HORIZONTAL TOLERANCE OF 1/4" WITH RESPECT TO ALL OTHER POSTS.
 9. CONTRACTOR MAY SUBSTITUTE EXTRA STRONG FOR 8" STD. PIPE AND ELIMINATE SHIM PLATE ON 5" LOWER SECTION IF SHALL BE CONTRACTORS RESPONSIBILITY TO ASSURE A SMOOTH FIT BETWEEN LOWER AND UPPER SECTIONS.

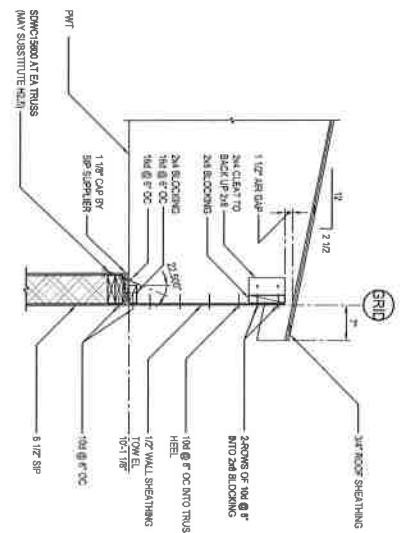
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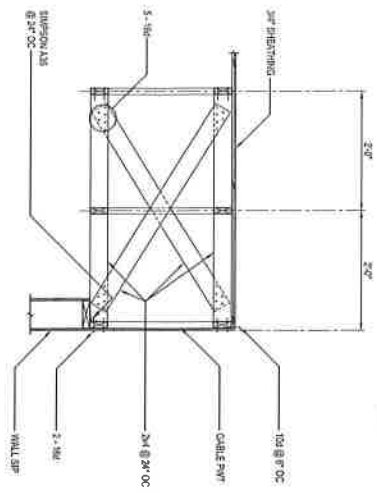
1 JOIST AT GL BEAM
SCALE: 1"=1'-0"



2 SIP AT LVL
SCALE: 1"=1'-0"



3 TRUSS AT SIP
SCALE: 1"=1'-0"



4 GABLE WALL DETAIL
SCALE: 1"=1'-0"

DETAILS
S6

PROJECT NO: 12-152
DATE: 14 JUNE 2013
DRAWN BY: KMK
CHECKED BY: TLF
REVISIONS:

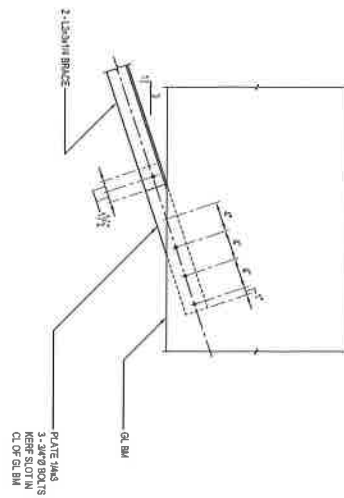
CONSULTANT:
BBFM
Engineers Inc.
1001 E. 1st Ave., Suite 200
Anchorage, Alaska 99501
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100% CONSTRUCTION DRAWINGS
12-152
TANANA CHIEFS CONFERENCE
RUBY CLINIC
RUBY, ALASKA

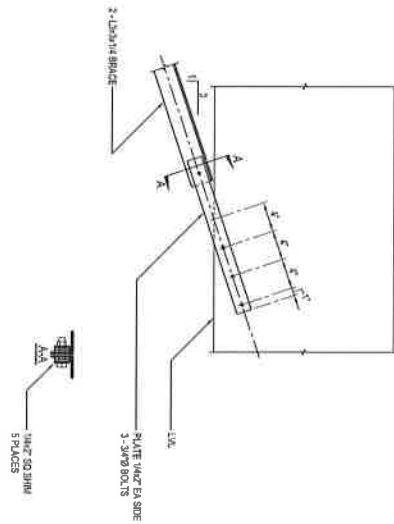


W WATTERSON CONSTRUCTION
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210 FROST STREET FAIRBANKS, ALASKA 99701
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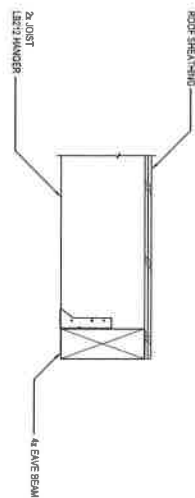
17 ACTUAL



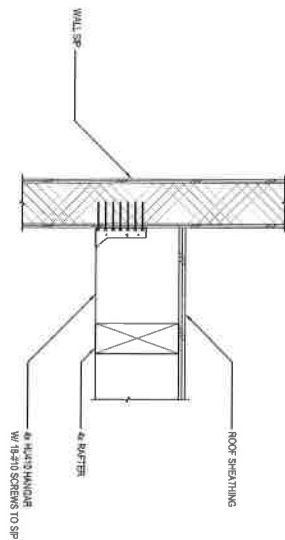
1 BRACE TO GL BEAM
SCALE: 1 1/2" = 1'-0"



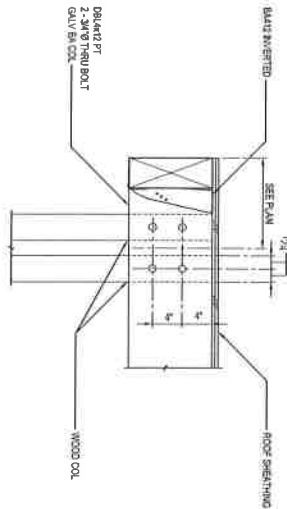
2 BRACE TO LVL
SCALE: 1 1/2" = 1'-0"



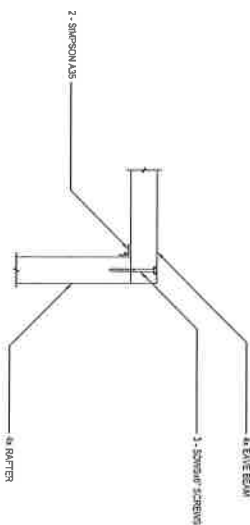
3 CANOPY RAFTER TO EAVE BM
SCALE: 1 1/2" = 1'-0"



4 EAVE 4x CONN TO WALL SIP
SCALE: 1 1/2" = 1'-0"



5 DBL CANOPY BM TO WOOD COLS
SCALE: 1/8" = 1'-0"



6 4x RAFTER CONN @ CORNER
SCALE: 1/4" = 1'-0"

1 LEDGER 4x CONN TO WALL SIP
SCALE: 1 1/2" = 1'-0"

2 SOUTH CANOPY FRAMING ELEVATION
SCALE: 1 1/2" = 1'-0"

VIEW A-A

4 LVL TO GL BM CONN
SCALE 1"=4'-0"

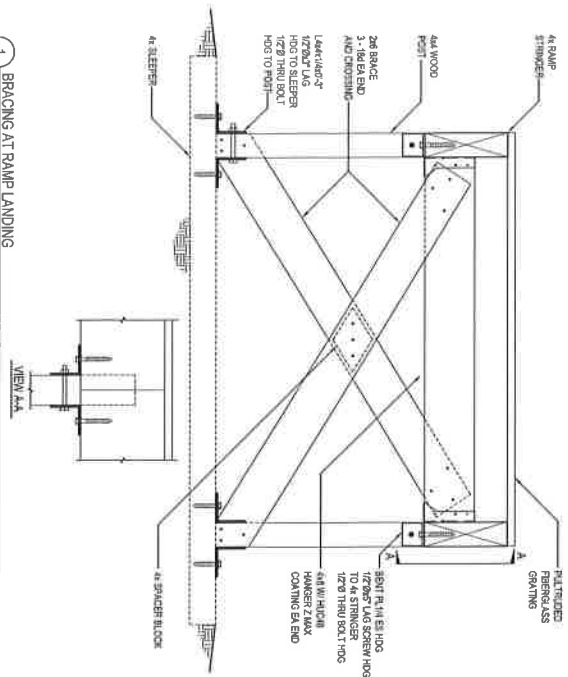
5 LVL TO LVL CONN AT CORNER
SCALE 1/4" = 1'-0"

6 SECTION AT CANTED FLR
BRIDGE: 110' = 110'



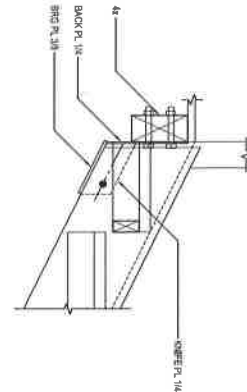
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1 BRACING AT RAMP LANDING
SCALE: 1/2" = 1'-0"

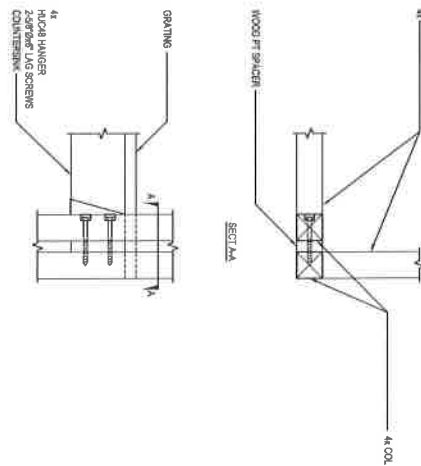


2 STAIR STRINGER CONN TO 4X
SCALE: 1/2" = 1'-0"

NOTE:
SEE INS FOR FURTHER INFO



3 CORNER CONN @ LANDING
SCALE: 1/2" = 1'-0"



DETAILS
S10

PROJECT NO.: 12-152
DATE: 14 JUNE 2013
DRAWN BY: CJS
CHECKED BY: T.J.F.
REVISIONS:

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TANANA CHIEFS CONFERENCE
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RUBY, ALASKA



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	WATER PIPING
	COLD WATER
	HOT WATER
	HOT WATER RECIRCULATED
	SEE ABREVIATIONS FOR MECA
	PIPE UP
	PIPE DOWN
	TEE UP
	TEE DOWN
	COP
	DRAIN
	DIRECTION OF FLOW
	ISOLATION VALVE
	3-WAY CONTROL VALVE
	2-WAY CONTROL VALVE
	CHECK VALVE
	BALANCE/SHUT-OFF VALVE
	PRESSURIZING REDUCING VALVE
	FLEXIBLE PIPING CONNECTION
	PRESSURIZING/TEMPERATURE RESET VALVE
	MUSE BRAS
	PUMP
	CLEANOUT
	PIPE COLD
	PIPE ANCHOR
	THERMOCLETERS
	PRESSURE GAUGE WITH ISOLATION COCK
	STAMPER WITH BLOWDOWN
	FLOOR CLEANOUT
	SUPPLY AIR UP & DOWN (SQUARE)
	SUPPLY AIR DRYER/SER / GRILLE
	RETURN AIR UP & DOWN (SQUARE)
	EXHAUST AIR UP & DOWN (SQUARE)
	ROUND DUCT UP & DOWN
	VOLUME DAMPER
	MOTORIZED CONTROL DAMPER
	SOUND LINED DUCTWORK
	DUCT FITTER
	FIRST NUMBER - SIZE (SHOWN)
	SECOND NUMBER - SIZE (NOT SHOWN)
	INSULATED DUCTWORK
	TURNING WELDS
	FLEXIBLE DUCT CONNECTION
	FIRE DAMPER
	DIFFUSER WITH FLEXIBLE DUCT
	THERMOSTATIC AIR SENSING
	REVERSE ACTING THERMOSTAT
	HUMIDISTAT
	SHEET NOTES
	SERVICE SCHEDULE - PARTITION, E-EXHAUST
	DIFFUSER OR GRILLE TAG
	SHEET LOCATED ON
	BARBADO DISCONTINUATION
	ACTIVE LENGTH

[illegible]

SYMBOL	WCR / MODEL	FUNCTION	FLUID	TOTAL VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	DIMENSIONS	MATERIAL	LAB'L	REMARKS
ET-1	AMPHOL / 50-HW	HYDROGEN EXPANSION	50% H ₂ O	44.0	24.0	27" x 30"	STYL/ALUM	---	---
ET-2	AMPHOL / 50-20V	DOMESTIC HOT WATER EXPANSION	WATER	10.2	10.2	15" x 10"	STYL/BRN	HFB	---

STANDARD	TYPE / MODEL	FUNCTION	FLUID	CAPACITY (GALLONS)	SHEDDING	MATERIAL	LABEL	REMARKS
1-1	4000 / 50000	OUTSIDE AIR	ICE	18.3	18.3" x 18.3"	PLASTIC	***	WITH PACKAGED PUMP AND COMPRESSOR 50 WATTS, 120V, 1PH
20-1	4000/5000/250	ICE, OUT, STROKE	ICE	350	28.1" x 14.5"	STEEL		COOLER, MILL, SLOW RUN

[illegible]

SUBNO.	WFR / MODEL	SERVICE	FLUID	HP	WGTG/PH	REMARKS
GS-1	DRUMFUG / JPS 23-110/2	BUILDING HEATING CIRCULATION	SOFT P.C.	31	3/4	230/1
GS-2	DRUMFUG / JPS 23-110/2	HOT WATER CONDENSER	SOFT P.C.	7	3/4	230/1
GS-3	DRUMFUG / JPS 23-110/2	HOT WATER CONDENSER	SOFT P.C.	30	1/2	120/1
GS-4	DRUMFUG / JPS 23-110/2	WATER-STEAM CIRCULATION	SOFT P.C.	3	1/2	120/1
GS-5	DRUMFUG / JPS 23-110/2	WATER-STEAM CIRCULATION	WATER	7	1/2	120/1

[illegible]

SYMBOL	WFR / MODEL	FLUID	FUEL	GROSS HP/RT	NET AHP	BURNER
U.S. BOLLER / MFG-1231				(GPH)	(MBH)	
200 P.S.	OK		1/2	177	HP	VOLTS/PH
				77		120/1
						REMARKS
						30 PSI HEATED WATER, FLOWING WATER PRESSURE 60PSI

STUDIOS	WORN / MODEL	OUTPUT (LBS/L)	FLUID	ERT	L71	TUBE SIZE	EDUCATION FIN SIZE	FIN PER FOOT	FIN THICKNESS	NUMBER OF TIGERS	MOUNTING HEIGHT	ENGINEERING TECHNIQUE	REMARKS
88-1	STRENGTH / JAW 31-4 (C2) 4-45	780	SCM P16	1757	1057	3/4" x 3/4"	5-1/4" x 5-1/4"	0.007" AL	10"	1	18.0A		
88-2	STRENGTH / JAW 31-4 (C2) 4-45	780	SCM P16	1757	1057	3/4" x 3/4"	5-1/4" x 5-1/4"	0.007" AL	10"	1	18.0A		BARE FINGER

SYMBOL	UNIT	WIRE P.D. (IN. DIA.)	VELOCITY (FT./MIN.)	EXT.	INT.	GRH.	FLUID	FT.	LT.	FT. HD.	REMARKS
572	CFM	0.70	337	79°F	0.11	50X H.O.L.	79°F	145°F	<1		
7702	MM	2.70	4750	337	79°F	0.11	50X H.O.L.	79°F	145°F	<1	COL. H2O/HT. MFT. TO DUCTED ALUMINUM DUCT 48"ØHT

SYMBOL	UNITS / MODEL	HOT SIDE				COLD SIDE				REMARKS
		TYPE	FLOW FLUID	INLET TEMP	OUTLET TEMP	FLOW FLUID	INLET TEMP	OUTLET TEMP		
BR-22	BR-22-30-100-40	BR-22-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-23	BR-23-30-100-40	BR-23-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-24	BR-24-30-100-40	BR-24-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-25	BR-25-30-100-40	BR-25-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-26	BR-26-30-100-40	BR-26-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-27	BR-27-30-100-40	BR-27-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-28	BR-28-30-100-40	BR-28-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-29	BR-29-30-100-40	BR-29-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-30	BR-30-30-100-40	BR-30-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-31	BR-31-30-100-40	BR-31-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-32	BR-32-30-100-40	BR-32-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-33	BR-33-30-100-40	BR-33-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-34	BR-34-30-100-40	BR-34-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-35	BR-35-30-100-40	BR-35-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-36	BR-36-30-100-40	BR-36-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-37	BR-37-30-100-40	BR-37-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-38	BR-38-30-100-40	BR-38-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-39	BR-39-30-100-40	BR-39-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-40	BR-40-30-100-40	BR-40-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-41	BR-41-30-100-40	BR-41-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-42	BR-42-30-100-40	BR-42-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-43	BR-43-30-100-40	BR-43-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-44	BR-44-30-100-40	BR-44-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-45	BR-45-30-100-40	BR-45-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-46	BR-46-30-100-40	BR-46-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-47	BR-47-30-100-40	BR-47-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-48	BR-48-30-100-40	BR-48-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-49	BR-49-30-100-40	BR-49-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-50	BR-50-30-100-40	BR-50-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-51	BR-51-30-100-40	BR-51-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-52	BR-52-30-100-40	BR-52-30-100-40	FLUID	70.5 °C	117 °C	FLUID	70.5 °C	117 °C		
BR-53	BR-53-30-100-40	BR-53-30-100-40	FLUID	70.5 °C	117 °C	FLUID				

[illegible]

SYMBOL	WFCR / MODEL	CAPACITY (kVAH)	GPU	FLUID	ERT	U _T	FSM (°F H ₂ O)	MODUL DATA
UN-1	MODINE / MC-47	20.9	3.2	50% G.F.	175°F	15.87	720	1/12 126/1
CM-1a	MODINE / CM-05	29.0	4.4	50% G.F.	175°F	15.87	720	1/12 126/1
CM-1b	MODINE / CM-05	29.0	4.4	50% G.F.	175°F	15.87	720	1/12 126/1
CM-2	MODINE / CM-02	14.8	1.8	50% G.F.	150°F	10.97	350	1/20 126/1
CM-3	MODINE / CM-02	14.8	1.8	50% G.F.	150°F	10.97	350	1/20 126/1
CM-4	MODINE / CM-02	14.8	1.8	50% G.F.	150°F	10.97	350	1/20 126/1

STATION	WFOE / MODEL	ARRIVAL [TIME]	SPR. REQ. HRS. (W/O D.S.)	ELC. DATA WHTG./VOLTS/PH	REMARKS
HW-1	JIFREYBETH / 5000DC-REV	370		510/120/3	BALANCE CAPACITERS/40R SLOW

SYMBOL	MFR. / MODEL	SERVICE	TYPE	CMA	Exp. (IN. W.)	MOTOR DATA	
						AMPS	VOLTS
$E=1$	GREENHICK / SP-A110	MECHANICAL ROOM EXHAUST	COMPRESSOR	400	0.5	440	120/
$E=2$	GREENHICK / SP-A110	ELECTRIC EXHAUST	COMPRESSOR	105	0.55	110	120/

[illegible]

THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO CONSTRUCT THE ABOVE DESCRIBED STRUCTURE. THE DRAWINGS ARE PRELIMINARY DRAWINGS; NOT NECESSARILY THE FINAL DRAWINGS. ALL OFFSETS OR EXACT LOCATIONS OF PIPES AND SMALL EQUIPMENT DEFLECTER LOCATIONS WITH ELECTRICAL PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS TO BE PROVIDED TO THE CONTRACTOR FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL COORDINATE WITH EXISTING SYSTEMS BEFORE START OF WORK TO AVOID CONFLICTS.

PIPELINE SLAKERS THROUGH THE RATIO ASSURES SMALL SIZES, THROUGH AND FINE PATED ASSEMBLY SHALL BE 18 GAUGE GALVANIZED STEEL

LATEST EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), 2009 EDITION, INTERNATIONAL MECHANICAL CODE (IMC), 2009 EDITION, INTERNATIONAL FIRE AND SAFETY CODE (IFSC), 2009 EDITION, INTERNATIONAL ELECTRICAL CODE (IEC), 2009 EDITION AND NATIONAL ELECTRICAL CODE (NEC), 2009 EDITION SHALL BE USED. ALL WORK SHALL BE IN ACCORDANCE WITH SWISS STANDARDS.

THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS AND FEES.

STRUCTURE RESTRAINT

[illegible][illegible][illegible]

5

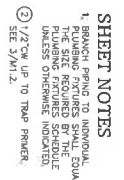
<p>ADAMANT, C. C. CONTROLLER WITH 25-AND-SPAT. TIME CLOCK. REQUEST DOWNS. THREE</p>

REMARKS	WE	SONES
WITH SPEED CONTROLLER	48	
WITH SPEED CONTROLLER	43	

[illegible][illegible][illegible][illegible][illegible]

ANALYTICAL DATA AND SHOULD BE CONDUCTED ON A CHOICE OF APPROVED REAGENTS AND APPROPRIATELY CONTROLLED ENVIRONMENTAL SCHEDULES OR APPROVED EQUIPMENT. AS VENTS ARE USED TO MONITOR THE PRESSURE OF THE SYSTEM, THE POINTS OF THE PNEUMATIC SYSTEM SHOULD BE MONITORED AT ALL POINTS OF THE PNEUMATIC SYSTEM. POSITIVE PRESSURE INSULATED METABOLISTS MODEL (PS) OF APPROVED EQUIPMENT SHOULD BE USED TO MONITOR THE PRESSURE OF THE SYSTEM.

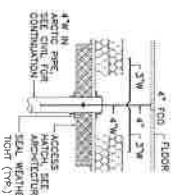
THE CONNECTOR SHALL BOUNCE THE WIND SYSTEM TO BALANCE THE WIND SYSTEM. THE WIND SYSTEM SHALL BE BALANCED TO WITHIN $\pm 10\%$ OF INDICATED BALANCE. REPORT FOR REVIEW.



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

[illegible]

SCALE: NONE



1. BRANCH PIPING TO INDIVIDUAL PLUMBING FIXTURES SHALL EQUAL THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE UNLESS OTHERWISE INDICATED.

RUBY, ALASKA



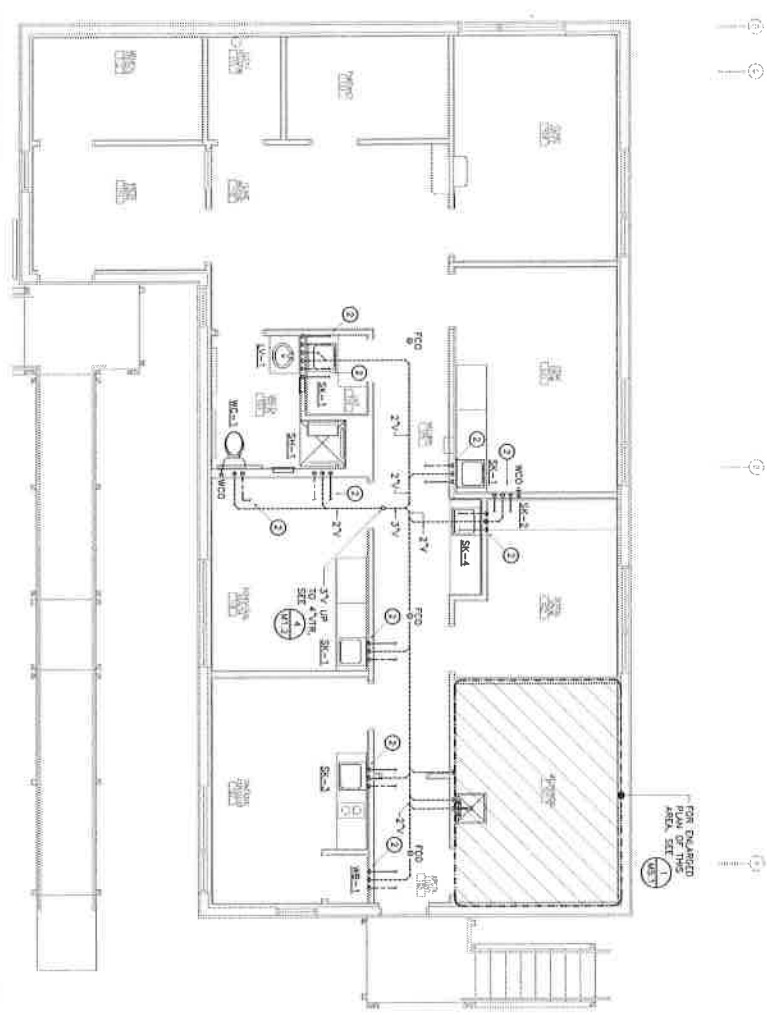
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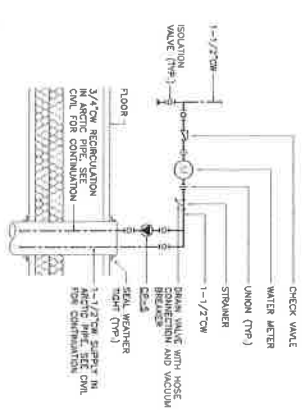
ILZA
NEW ZEALAND ASSOCIATES, LTD.
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112 W. Nelson St., Auckland 1
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PROJECT NO: 2013-00
DATE: 14 JUNE 2013
DRAWN BY: TC
CHECKED BY: AC
REVISIONS:

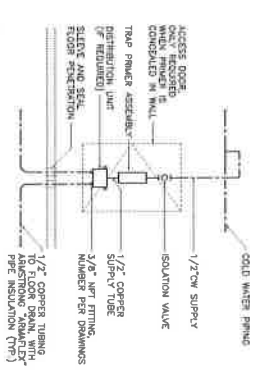
M1.1



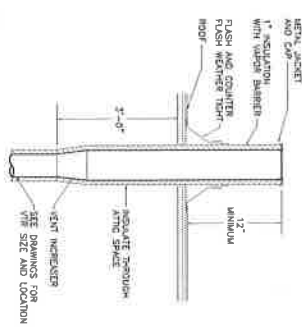
1 PLUMBING PLAN
M1.2 SCALE 1/4" = 1'-0"



2 WATER SERVICE PIPING DETAIL
M1.2 SCALE NONE



3 TRAP PRIMER DETAIL
M1.2 SCALE NONE



4 VENT THROUGH ROOF DETAIL
M1.2 SCALE NONE

- SHEET NOTES**
- BRANCH PIPING TO INDIVIDUAL FIXTURES SHALL BE SCHEDULE 40 BLACK STEEL PIPE. THE SIZE REQUIRED BY THE PLUMBING FIXTURES SCHEDULE SHALL BE USED. UNLESS OTHERWISE NOTED.
 - UNDERFLOOR FINISHES, HOT AND COLD WATER PIPING SHALL BE ROUTED BACK TO MANFOLD AT BOILER ROOM.
 - PROVIDE POINT OF USE, REVERSES, CLOSURES, FLUIDS AT EACH SINK AND REVERSES.
 - PROVIDE CLEANOUTS AT ALL SINK AND REVERSES.



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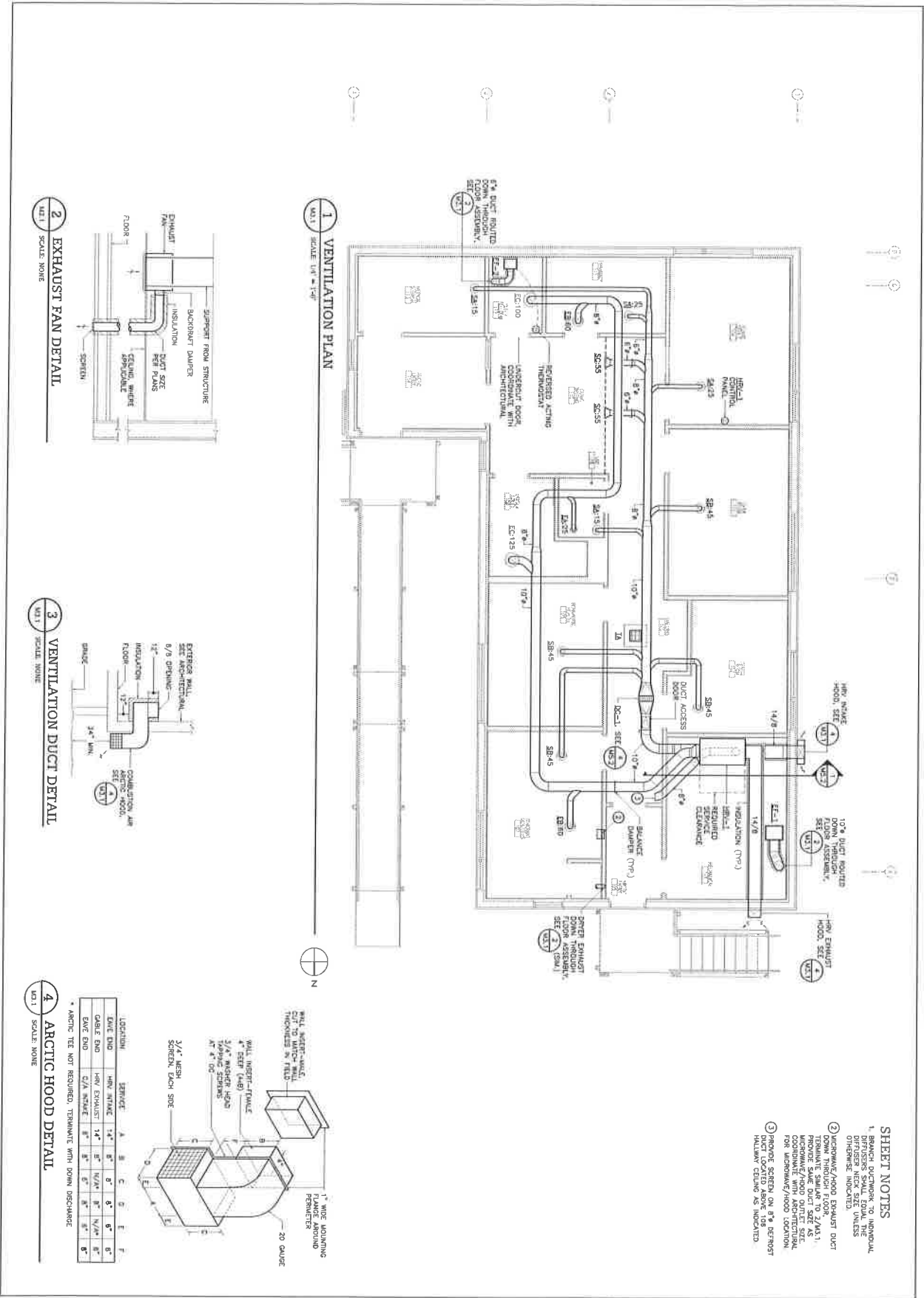
2013.008
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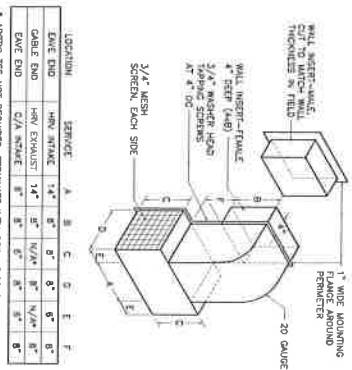
CONSULTANTS
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CHECKED BY: ACT
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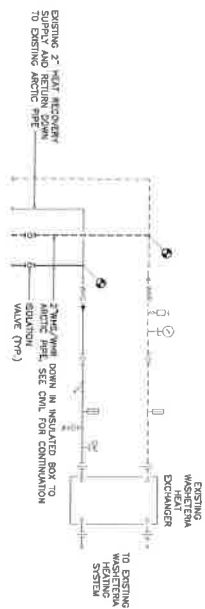
PLUMBING PLAN
M1.2



- SHEET NOTES**
1. BRANCH DUCTWORK TO INDIVIDUAL OFFICES SHALL EQUAL THE OFFICE AREA. OTHERWISE INDICATED.
 2. MICROCLIMATE/HOOD EXHAUST DUCT SHALL BE DUCT TO 2" DIA. PROPOSED EXHAUST DUCT SIZE FOR MICROCLIMATE/HOOD DUCTWORK SHALL BE INDICATED.
 3. GARAGE EXHAUST DUCT SHALL BE 10" DIA. DUCT LOCATED ABOVE 10' HALLWAY CEILING AS INDICATED.



LOCATION	TYPE	A	B	C	D	E	F
DOE END	WALL EXHAUST	14"	8"	8"	8"	8"	8"
DOE END	WALL EXHAUST	14"	8"	8"	8"	8"	8"
DOE END	WALL EXHAUST	14"	8"	8"	8"	8"	8"



M4.1



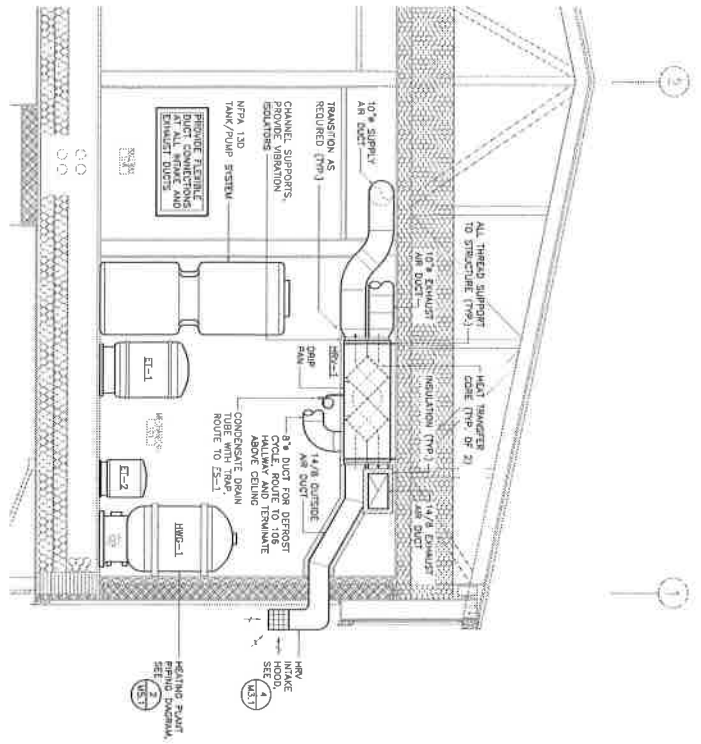
SCALE: 1/2" = 1'-0"



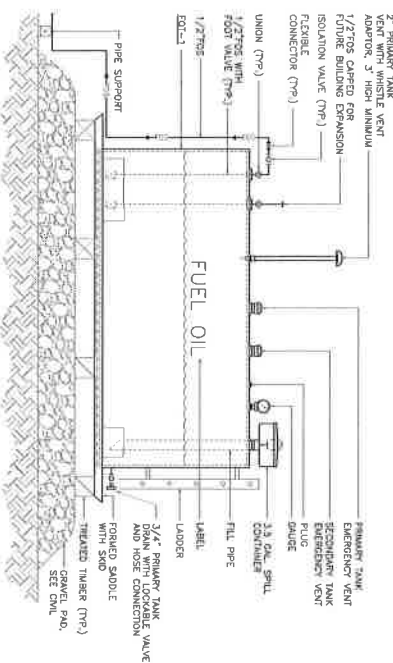
SCALE: 1/2" = 1'-0"

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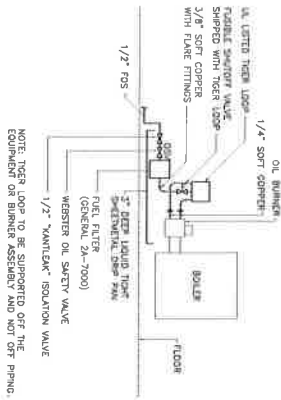
M15.1



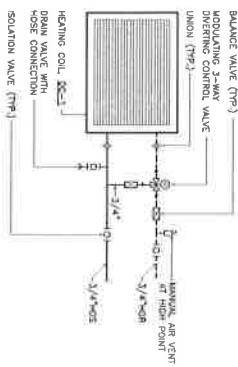
1 MECHANICAL ROOM SECTION
MS.2 SCALE: 1/8" = 1'-0"



2 FUEL OIL TANK DETAIL
MS.2 SCALE: NONE



3 FUEL CONNECTION DETAIL
MS.2 SCALE: NONE



4 DUCT COIL DETAIL
MS.2 SCALE: NONE

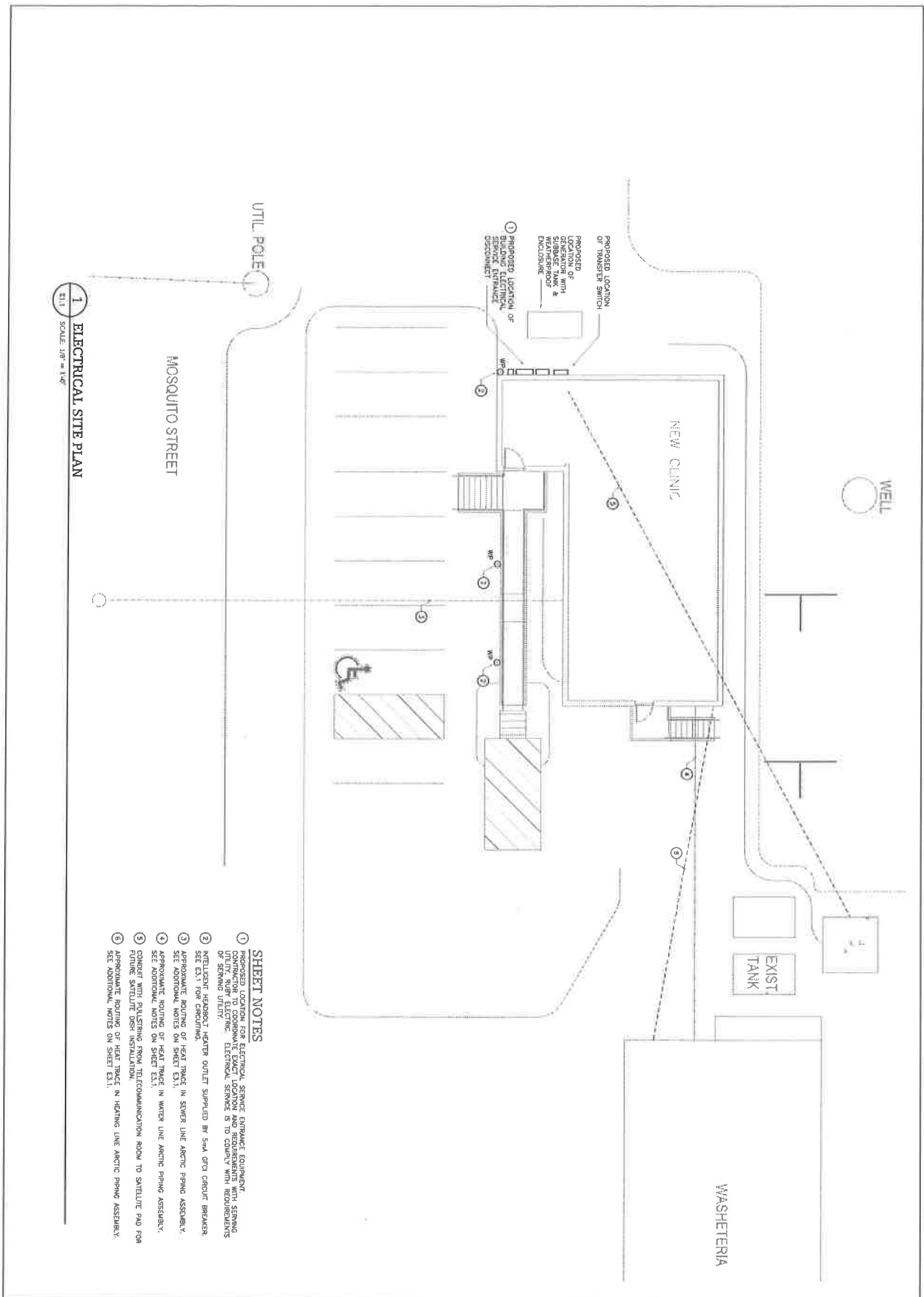
ELECTRICAL SYMBOLS LEGEND	
	PANEL
	SINGLE RECEPTACLE
	DOUBLE PANEL, DUPLICATE INTERRUPTER RECEPTACLE
	GROUNDING RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
	JUNCTION BOX
	DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MOTOR STARTER DISCONNECT
	FUNCTIONAL HP MOTOR SWITCH
	TELEPHONE OUTLET
	DATA COMPUTER OUTLET
	FA SMOKE DETECTOR
	FA HEAT DETECTOR (FIXED TEMP. UNIT)
	FA HORN STROBE
	FA MANUAL PULL STATION
	INFRARED DETECTOR
	INFRARED DETECTOR, ACTIVE KEY PAD
	REMOTE HEAD ASSOCIATED W/ EMERGENCY LIGHT

[illegible]SCALE: MTS
E0.1[illegible]

1. ALL BRANCH CIRCUITRY (SUPPLYING RECEPTACLES, LIGHTS, LIGHT SWITCHES, DEVICES, EQUIPMENT, ETC.), SERVING PATIENT CARE AREAS,¹ AS DEFINED BY NEC 517 (EXAM ROOMS, DENTAL ROOMS, ETC.) SHALL BE OF A TYPE LISTED FOR A RESIDUANT GROUNDING PATH (MIXING WITH A COPPER EQUIPMENT GROUNDING CONDUCTOR RUN IN A METALLIC CONDUIT THAT COMPLETS WITH THE LISTING REQUIREMENTS OF NEC 250.118) BACK TO THE SOURCE ELECTRICAL PANEL AS REQUIRED BY NEC 517.

EO.1

PROJECT NO: 2013.008
DATE: 14 JUNE 2013
DRAWN BY: BAS
CHECKED BY: BAS
REVISIONS:



1 ELECTRICAL SITE PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES

- 1 PROPOSED LOCATION FOR ELECTRICAL SERVICE ENTRANCE EQUIPMENT. CONTRACTOR TO COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SERNING OF SERNING UTILITY.
- 2 INTELLIGENT HEADOUT HEATER OUTLET SUPPLIED BY 50A GFCI CIRCUIT BREAKER. SEE EX.1 FOR CIRCUITING.
- 3 APPROXIMATE ROUTING OF HEAT TRACE IN SEWER LINE ARCTIC PIPING ASSEMBLY. SEE ADDITIONAL NOTES ON SHEET EX.1.
- 4 APPROXIMATE ROUTING OF HEAT TRACE IN WATER LINE ARCTIC PIPING ASSEMBLY. SEE ADDITIONAL NOTES ON SHEET EX.1.
- 5 CONDUIT WITH PULSTING FROM TELECOMMUNICATION ROOM TO SATELLITE PAD FOR FUTURE SATELLITE DISH INSTALLATION.
- 6 APPROXIMATE ROUTING OF HEAT TRACE IN HEATING LINE ARCTIC PIPING ASSEMBLY. SEE ADDITIONAL NOTES ON SHEET EX.1.

100% CONSTRUCTION DRAWINGS
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DATE: 14 JUNE 2013
DRAWN BY: BAB
CHECKED BY: BAB
REVISIONS:

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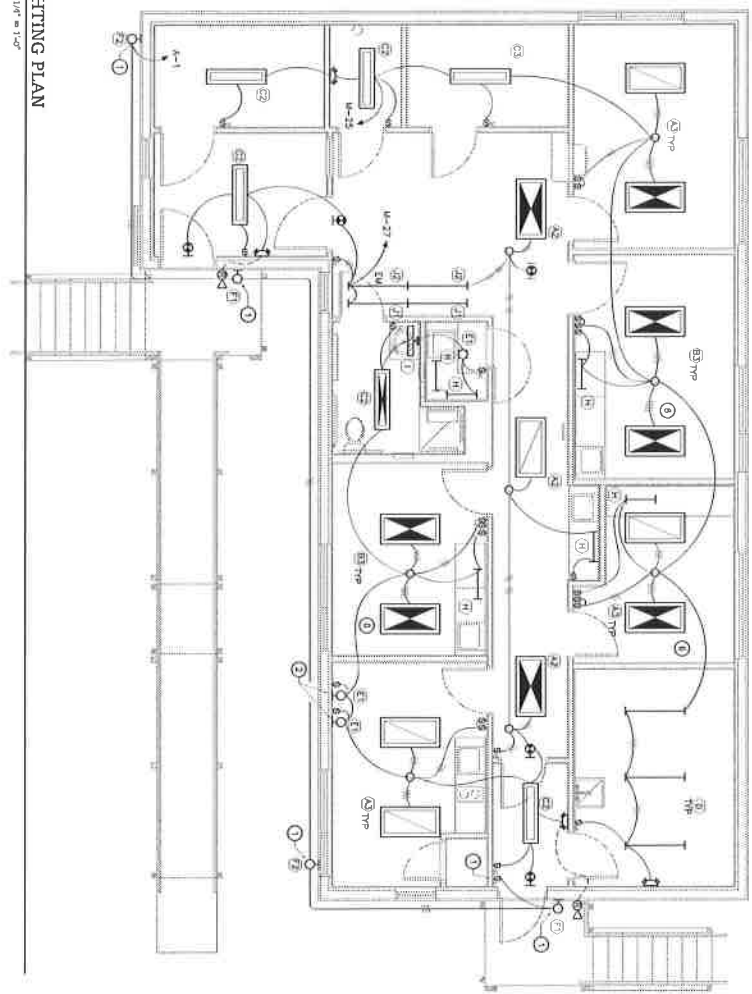
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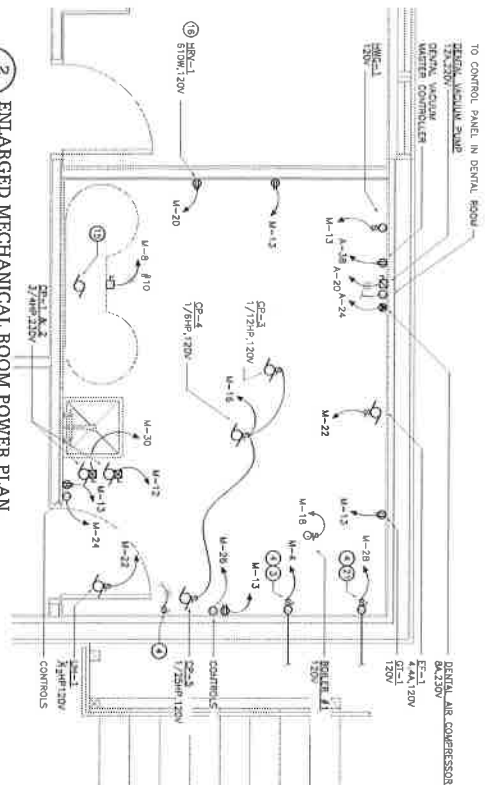
100% CONSTRUCTION DRAWINGS

1 LIGHTING PLAN
 E2.1 SCALE: 1/8" = 1'-0"

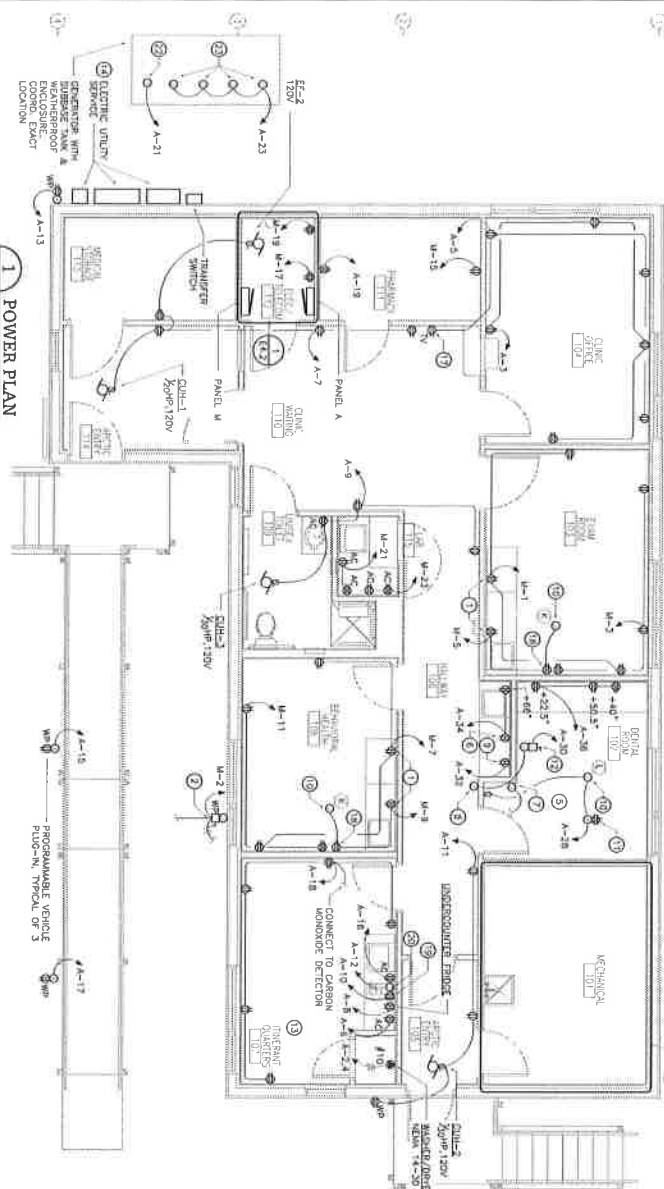
SHEET NOTES:

1. ALL EXTERIOR LIGHTS ARE TO BE PHOTOCELL CONTROLLED WITH SWITCH "X" OVERRIDE OFF.
2. WALL MOUNTED FIXTURES AND SWITCHES ARE TO BE STACKED AS APPROPRIATE FOR INDIVIDUAL USE WITH BLANK BEDS.
3. COORDINATE EXACT HEIGHTS AND LOCATIONS WITH OWNER AND FURNITURE DIMENSIONS PRIOR TO ROUGH-IN. USE WITH BLANK BEDS.
4. FLOURESCENT FIXTURES IN ROOMS WITH 2 SWITCHES SHALL HAVE DUAL BALLASTS AND SWITCH INBOARD/OUTBOARD LAMPS SEPARATELY.
5. "TYP" FIXTURES: DESIGNATE FIXTURE IS EQUIPPED WITH A BROWN 800 EMERGENCY BALLAST CONNECTED TO THE LOCAL LIGHTING CIRCUIT. THE SWITCH OPERATES THE BALLAST.
6. "TYP" FIXTURES: DESIGNATE FIXTURE IS EQUIPPED WITH A BROWN 800 EMERGENCY BALLAST CONNECTED TO THE LOCAL LIGHTING CIRCUIT. THE SWITCH OPERATES THE BALLAST.
7. EQUIPMENT IS TO COORDINATE WITH OWNER SUPPLIED FURNISHINGS, FIXTURES, EQUIPMENT AND GENERAL EQUIPMENT.
8. FROM PROPOSED LIGHT FIXTURES TYPE "K" AND "L" ARE SHOWN ON POWER PLANS, E2.1. COORDINATE LOCATION WITH ROOM LIGHTING FIXTURES.





2 ENLARGED MECHANICAL ROOM POWER PLAN
SCALE: 1/8" = 1'-0"



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

SHEET NOTES:

- COORDINATE HEIGHT AND LOCATION OF DEVICES WITH OWNER PROVIDED AND INSTALLED FURNITURE.
- WEATHERPROOF JUNCTION BOX AND DISCONNECT FOR BRANCH CIRCUIT CONNECTION TO SEWER LINE. Airtight, precast concrete assembly. Provide and install heat trace from clamp to heat trace. See civil and mechanical drawings for exact location, length, details and requirements. Connect to pilot light switch in mechanical room for control. Provide identification label for switch.
- JUNCTION BOX AND DISCONNECT FOR BRANCH CIRCUIT CONNECTION TO WATER LINE. Airtight, precast concrete assembly. Provide and install heat trace from clamp to heat trace. See civil and mechanical drawings for exact location, length, details and requirements. Connect to pilot light switch in mechanical room for control. Provide identification label for switch.
- VERIFY EXACT HEIGHT AND LOCATION OF DEVICES IN DENTAL ROOM WITH DENTAL EQUIPMENT SUPPLIER.
- ULTRASONIC CLEANER, 1.3 AMPS, 110 VOLTS. VERIFY. COORDINATE EXACT HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- DENTAL CONTROL PANEL FOR REMOTE CONTROL OF COMPRESSOR AND WC PUMP. PROVIDE LOW VOLTAGE CONTROL WIRING AS REQUIRED BY DENTAL DRAWINGS.
- DENTAL X-RAY COMPONENT AT 480V. PROVIDE JUNCTION BOX SIZED AS REQUIRED FOR X-RAY DRAWINGS TO X-RAY COMPONENT. LOW VOLTAGE CONTROL WIRING AS REQUIRED BY DENTAL DRAWINGS.
- STRENGTH 110V, 15A. COORDINATE EXACT HEIGHT AND LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- EXAM ROOM LIGHT (170W). PROVIDE BACKING PER MANUFACTURER. FIELD ADJUST 787 LIGHT FIXTURES FOR PROPER CLEARANCES.
- RECEPTACLE FOR CONNECTION OF DENTAL CHAIR. COORDINATE WITH EQUIPMENT MANUFACTURER FOR EXACT LOCATION AND TYPE OF RECEPTACLE REQUIRED.
- DENTAL X-RAY COMPONENT, 120V. COORDINATE EXACT LOCATION AND CONNECTION TYPE WITH DENTAL SUPPLIER.
- ALL 120 VOLT, 15 AND 20 AMP RECEPTACLES IN THIS ROOM SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES AS REQUIRED BY NEC 408.1.4.
- COORDINATE LOCATION AND TYPE OF UTILITY SERVICE DROP WITH SERVING UTILITY. COORDINATE LOCATION WITH ARCHITECT.
- INSTALL FREE PUMP AND CONTROLLER. SHIP TO 7200V. ASSURED. CONTRACTOR TO COORDINATE WITH ELECTRICAL SERVICE PROVIDER. PROVIDE IDENTIFICATION LABEL FOR EACH CONNECTION. PROVIDE IDENTIFICATION LABEL FOR EACH CONNECTION.
- HW-1, COORDINATE WITH MECHANICAL FOR EXACT LOCATION AND HEIGHT OF RECEPTACLE.
- COORDINATE HEIGHT OF RECEPTACLE FOR TV WITH ARCHITECT. PROVIDE TO ROUGH-IN.
- RECEPTACLE MOUNTED FOR CONNECTION TO WALL MOUNTED OTO/OPHTHALMOSCOPE. COORDINATE HEIGHT WITH OWNER PRIOR TO ROUGH-IN.
- COORDINATE EXACT HEIGHT AND LOCATION FOR BUILT-IN MICROWAVE/OVEN POWER CONNECTION. BUILT-IN COORDINATE, 20A, 240V. CIRCUIT BREAKER IS TO HAVE PROVISIONS FOR LOOKING IN THE OPEN (OFT) POSITION PER NEC 424.3(19). COORDINATE WITH CABLETV AND EQUIPMENT MANUFACTURER DRAWINGS FOR EXACT LOCATION OF POWER SUPPLY.
- JUNCTION BOX AND DISCONNECT FOR BRANCH CIRCUIT CONNECTION TO HEAT LINE. Airtight, precast concrete assembly. Provide and install heat trace from clamp to heat trace. See civil and mechanical drawings for exact location, length, details and requirements. Connect to pilot light switch in mechanical room for control. Provide identification label for switch.
- GENERATOR BATTERY CHARGER.
- CONNECTION TO GENERATOR BATTERY CHARGER, ALTERNATOR HEATER, COOLANT HEATER, AND OIL PAN HEATER.
- COORDINATE EXACT LOCATIONS OF ELECTRICAL SERVICE ENTRANCE EQUIPMENT, PANELBOARDS, DISTRIBUTION EQUIPMENT, ETC. TO ENSURE THAT THEY HAVE NEC REQUIRED WORKING CLEARANCES AS REQUIRED BY NEC 110.26.



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 ARCHITECT AND PLANNER

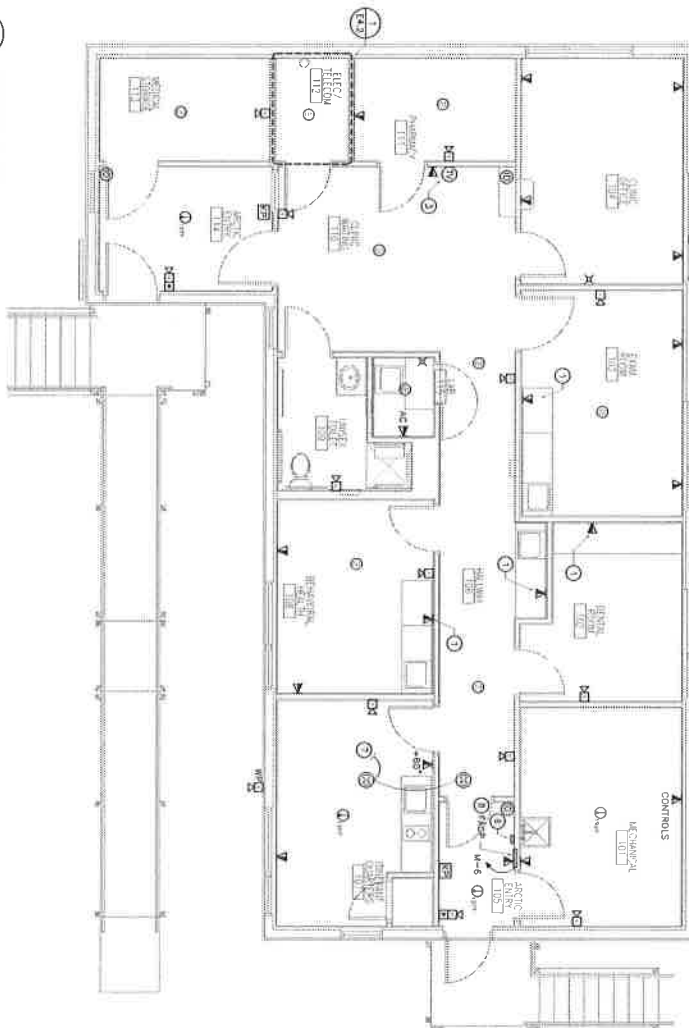
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2013.008
 TANANA CHIEFS CONFERENCE
 RUBY CLINIC
 RUBY, ALASKA

HZZA
 HAZZARD ZONE ZONING AND ANALYSIS, LLC
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 907.561.1177

PROJECT NO.: 2013.008
 DATE: 14 JUNE 2013
 DRAWN BY: BAB
 CHECKED BY: BAB
 REVISIONS:

E3.1



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

SHEET NOTES:

1. COORDINATE EXACT HEIGHT AND LOCATION OF DEVICE WITH FURNITURE SUPPLIER.
2. ALL TELECOM OUTLETS SHALL HAVE A MINIMUM OF 3 CAT6 HOMERUNS UNLESS OTHERWISE NOTED. SEE S/FE-2.
3. PREPARE TV OUTLET WITH RG58 CABLE TO TELECOM DEMARK BOARD. COORDINATE HEIGHT AND LOCATION WITH ARCHITECT.
4. STUB UP W/IN OR S/V/C INTO ACCESSIBLE ATTIC SPACE FOR EACH TELECOM OUTLET.
5. DO NOT PUT ANY RECESSED DEVICE BOXES BACK TO BACK IN THE SAME STUD SPACE.
6. TEMPERATURE SENSOR. FIELD LOCATE SENSOR AS APPROPRIATE.
7. PROVIDE AND INSTALL STAND ALONE 120V CARBON MONOXIDE DETECTOR WITH BATTERY BACKUP. CONNECT TO RECEPTACLE POWER CIRCUIT IN MINERVA QUARTERS. SHOWN ON SHEET E-1.
8. COORDINATE EXACT LOCATION OF FIRE ALARM PANEL WITH AUTHORITY HAVING JURISDICTION AND ARCHITECT.
9. ALL REQUIRED FIRE ALARM DEVICES MAY NOT BE SHOWN ON THESE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESIGN OF FIRE ALARM AND DETECTION SYSTEMS. PROVIDE ALL NECESSARY DEVICES, WIRING, ETC. AS REQUIRED FOR COMPLIANCE WITH GOVERNING CODES INCLUDING DETECTORS THAT MAY NOT BE SHOWN.



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SIGNAL PLAN

E4.1



2 TELECOM ROOM RACK DETAIL A-A
E4.2 SCALE: NTS



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① PROVIDE CAT 6 RATED J-HOOKS TO SUPPORT ALL CABLES WHERE NOT INSTALLED IN CONDUIT. SIZE J-HOOKS TO ALLOW 20% SPARE CAPACITY FOR FUTURE CABLES.



1. EACH DEVICE PLATE SHALL BE A PORT MAXIMUM WITH (1) RJ-45 AND (2) RJ-11 JACK ON A RATED, DON ON THE DRAWINGS.
2. ALL ACTIVE PORTS IN FACEPLATE FROM LEFT TO RIGHT AND TOP TO BOTTOM.
3. TERMINATE EACH CAT 6 CABLE ON RJ-45 OR RJ-45 CAT 6 RATED JACK AS INDICATED.
4. PROVIDE BLANKS FOR UNUSED PORT SPACES.
5. PROVIDE LABELS INCLUDING PORT NUMBER AND JUNCTION BOX NUMBER AS SHOWN ON THE DRAWINGS. LABELS ON EACH DEVICE PLATE, EITHER NOTED ABOVE AS PRODUCT NUMBER.
6. ALL LABELS SHALL BE PRINTED WITH THERMAL OR LASER PRINTED SYSTEM.



TELCO SERVICE DEMARC DETAIL B-B

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HAWAIIAN ASSOCIATES, LLC

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TELECOM DETAILS

E4.2

GENERAL CONDITIONS – PROVIDE AND INSTALL ALL LABOR, MATERIAL, AND EQUIPMENT FOR A COMPLETE AND PROPERLY OPERABLE ELECTRICAL SYSTEM AS DESCRIBED ON THE DRAWINGS AND IN THESE SPECIFICATIONS. ALL WORK SHALL BE PERFORMED IN A NEAT AND PROFESSIONAL MANNER USING GOOD ENGINEERING PRACTICES. ALL NEW WORK AND EXISTING WORK MODIFIED BY THIS PROJECT SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA INTERNATIONAL BUILDING CODE, AND INTERNATIONAL FIRE CODE INCLUDING ALL STATE AND LOCAL CODES AND AMENDMENTS. THIS CONTRACTOR SHALL INQUIRE INTO AND COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS.

THE CONSTRUCTION DRAWINGS ARE INFORMATIONAL, NOT NECESSARILY, AND ALL FEASIBLE OR EXACT MEASUREMENTS SHALL BE OBTAINED FROM THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY OTHER DIVISIONS AND FOR PROVIDING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY OTHER DIVISIONS AND FOR PROVIDING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY OTHER DIVISIONS AND FOR PROVIDING THE DIMENSIONS AND SPECIFICATIONS FOR COMPONENTS TO BE PROVIDED BY THE CONTRACTOR.

MARK UP A CLEAN SET OF RECORD DRAWINGS AS THE WORK PROGRESSES TO SHOW THE DIMENSIONED LOCATION OF ALL ELECTRICAL WORK WHICH WILL BECOME PERMANENTLY CONCEALED. SHOW ROUTING OF WORK IN PERMANENTLY CONCEALED BLIND SPACES WITHIN THE BUILDING. SHOW COMPLETE ROUTING AND SIZING OF ANY REVISIONS TO THE SYSTEMS SHOWN ON THE CONSTRUCTION DRAWINGS.

[illegible]

WIRING DEVICES: PROVIDE LABELS TO IDENTIFY WIRING DEVICES SUCH AS SWITCHES, AND FRACTIONAL HORSEPOWER MOTOR STARTER SWITCHES. LABEL SHALL INCLUDE SUPPLY PANEL AND CIRCUIT

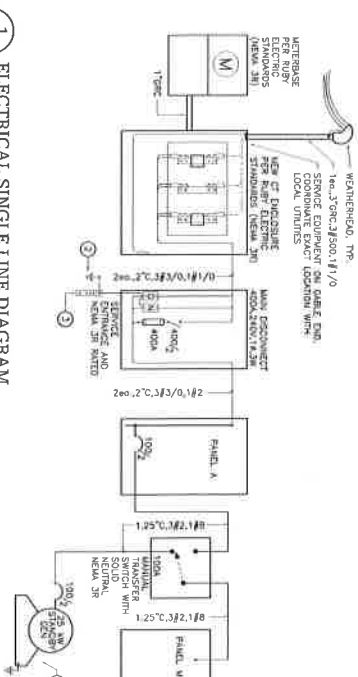
CONDUITS: IDENTIFY THE CIRCUIT NUMBERS OF THE BRANCH CIRCUIT CONDUCTORS CONTAINED INSIDE ALL CONDUITS ENTERING OR LEAVING PANELBOARDS WITH INDELEIBLE BLACK MARKING PEN OR OTHER PERMANENT MARKING.

JUNCTION BOXES: IDENTIFY THE CIRCUIT NUMBERS OF THE BRANCH CIRCUIT CONDUCTORS CONTAINED INSIDE EACH JUNCTION BOX WITH INDELEIBLE BLACK MARKING PEN OR OTHER PERMANENT MEANS. ON EXPOSED JUNCTION BOXES IN PUBLIC AREAS, MARK ON INSIDE OF COVER. MARK ALL FIRE ALARM SYSTEM JUNCTION BOXES AND COVERS WITH A RED PAINT AND "FA" NOTATION. APPROPRIATELY IDENTIFY ALL OTHER SPECIAL

[illegible][illegible][illegible][illegible][illegible]

PANEL M			SCHEDULE			SQA M25		
			ZIGZAG, CENTER					
LINE	ITEM	LOID DESCRIPTION	QTY	UNIT	LOID DESCRIPTION	QTY	UNIT	LOID DESCRIPTION
1	1000	1000	1	EA	1000	1	EA	1000
2	1000	1000	1	EA	1000	1	EA	1000
3	1000	1000	1	EA	1000	1	EA	1000
4	1000	1000	1	EA	1000	1	EA	1000
5	1000	1000	1	EA	1000	1	EA	1000
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172	1000	1000	1	EA				

ES.1 SCALE: NT



IMMEDIATELY upon project inception the CONTRACTOR SHALL COORDINATE WITH THE LOCAL ELECTRICAL UTILITY COMPANY (PUEBLO ELECTRIC) FOR THE INSTALLATION OF A NEW ELECTRICAL SERVICE TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ELECTRICITY FOR THE LOCAL ELECTRICAL UTILITY COMPANY'S SHARE AND THE LATEST APPLICABLE NEC.

PHASED GRADING ELECTRICAL SYSTEM AS FOLLOWS: #1/0 CU TO PRESENT, #2/0 ALU TO PRESENT, #1/0 CU TO BUILDING STEEL (IF PRESENT), 20 #1 CU ENCASED IN FROTHING CONCRETE AND BONDED TO BUILDING STEEL (IF PRESENT) ARE TO BE BONDED TO BUILDING STEEL.

RESISTANCE BONDING TERMINATION FOR NEC 250.24 (2) CONNECTED TO CONDUITS/PIPES AND/OR GRADING CONDUITS.

GENERATOR IS TO BE PROVIDED WITH WEATHERPROOF ENCLOSURE AND CONDUITS TO BE PROVIDED WITH WEATHERPROOF ENCLOSURE. ALL CONDUITS TO BE CONSIDERED EACH LOCATION.

FIRE ALARM - FIRE ALARM AND DEVICES SHOWN ON THE DRAWINGS ARE PROPOSED LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DESIGN AND INSTALLATION FOR A COMPLETE AND FULLY OPERATIONAL FIRE ALARM SYSTEM IN ACCORDANCE WITH THE OWNER'S REQUIREMENTS, THESE SPECIFICATIONS, NFPA 72, AND ALL OTHER APPLICABLE CODES.

THE COMPLETE FIRE ALARM SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. FIRE ALARM SYSTEM SHALL CONFORM WITH LOCAL AND NATIONAL CODES. MAKE ALL CONNECTIONS TO DOOR RELEASE DEVICES, SPRINKLER FLOW SWITCHES, SPRINKLER VALVE TAMPER SWITCHES, FIRE SUPPRESSION SYSTEM CONTROL, PAINTS AND DUCT SMOKE DETECTORS WHERE PROVIDED.

PENETRATIONS OF FIRE BARRIERS - ALL ELECTRICAL PENETRATIONS THROUGH FIRE BARRIERS SHALL BE SEALED IN ACCORDANCE WITH NEC ARTICLE 300.21 AND THE FOLLOWING:

[illegible]

WHERE LOCATED

PROJECT NO:	2013.008
DATE:	14 JUNE 2013
DRAWN BY:	BAB
CHECKED BY:	BAB
REVISIONS:	

100% CONSTRUCTION DRAWINGS

2013.008
TANANA CHIEFS CONFERENCE
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