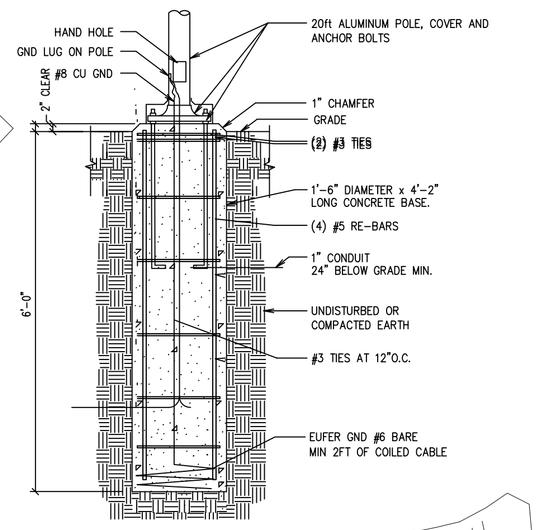
LIGHT FIXTURE SCHEDULE

TYPE	MFGR	CATALOG NO.	LAMPS QUAN	LAMPS WATT	LAMPS TYPE	VOLT	MTG	DESCRIPTION	LUMENS	TOTAL WATTS	NOTES
A	LITHONIA	ZL1N-L96-6000LM-FST-MVOLT-35K-80CRI-WH			LED	120/277	SURFACE	LED STRIP w LENS, 96IN	6717	60	1
B	CONTECH LTG	CMR2-4-30K-C-*-WHT			LED	120/277	SURFACE	SURFACE MTD DISK, 4IN	570	12.5	1, 2
C	LITHONIA	ZL1N-L46-5000LM-FST-MVOLT-30K-80CRI-WH			LED	120/277	SURFACE	LED STRIP w LENS, 46IN	4630	42	2
D	PRESCOLITE	LC6SL-SM-6LCSL-10L-40K-8			LED	120/277	RECESSED	DOWN LIGHT, 6IN	1000	13.4	
E	LITHONIA	DSXF2 LED-P3-40K-WFL-MVOLT-*-DBZ			LED	120/277	SEE ARCH	D-SERIES FLOOD LT	6811	102	3
F1	LITHONIA	RSXF1 LED-P1-40K-AWFD-MVOLT-*-DBZ-UV			LED	120/277	20-FT POLE	FLOOD LT	10,616	71	
F2	LITHONIA	RSXF2 LED-P4-40K-NFL-MVOLT-*-DBZ-UV			LED	120/277	20-FT POLE	FLOOD LT, TOP VISOR	24,892	187	5
	(POLES)	SQUARE, 20-FT, DK BZ, 100MPH-RATED			-			POLE	-	-	
G	PRESCOLITE	SLLED2-35K-BZ-*			LED	120/277	WALL	STEP LT	130	10	4
U	Dual-Lite	LZ-2-03L	2	3W	LED	120/277	WALL	UNIT EM LIGHT, LED, 10W BATT		6	
X	Dual-Lite	LXUGWE	-	-	LED	120/277	UNIVERSAL	LED EXIT LIGHT (Green/White)		3	

GENERAL NOTES:
1. SUBSTITUTION OF FIXTURES IS ACCEPTABLE UNO; AND SHALL MEET ALL THE RATINGS/FEATURES/AETHETICS OF THE SCHEDULED FIXTURE.
2. COORDINATE FINISH OF EXTERIOR FIXTURES WITH OWNER AND FINAL ARCH FINISHES.

NOTES:
1. SURFACE MTD TO CEILING, FED BY RECESSED BACKBOX.
2. TYPE B: SELECT MOUNT KIT BEST SUITED FOR FINAL CEILING MATERIAL PER ARCH DRAWINGS. MATCH COLOR TEMP TO TYPE C.
3. PROVIDE MOUNTING / FITTINGS FOR INSTALLING ON CORNER POST OF UPPER DECK SHADE STRUCTURE. REFER TO ARCH DETAILS.
4. PROVIDE MOUNTING ACESSORIES SUITED FOR VARIOUS MOUNTS REQUIRED. SEE UPPER DECK PIPE RAILING DETAIL AND CHANGING AREA WALL DETAILS.
5. FIELD ADJUST AIM POINT OF FLOOD LIGHTS FOR BEST ILLUMINATION OF COURT AREA, WITH ACCEPTABLE ILLUMINATION OF BEACH BEYOND.



POLE BASE DETAIL
NO SCALE

EST VOLTAGE DROP (5% OF 240V = 12V DROP TOTAL ALLOWED):

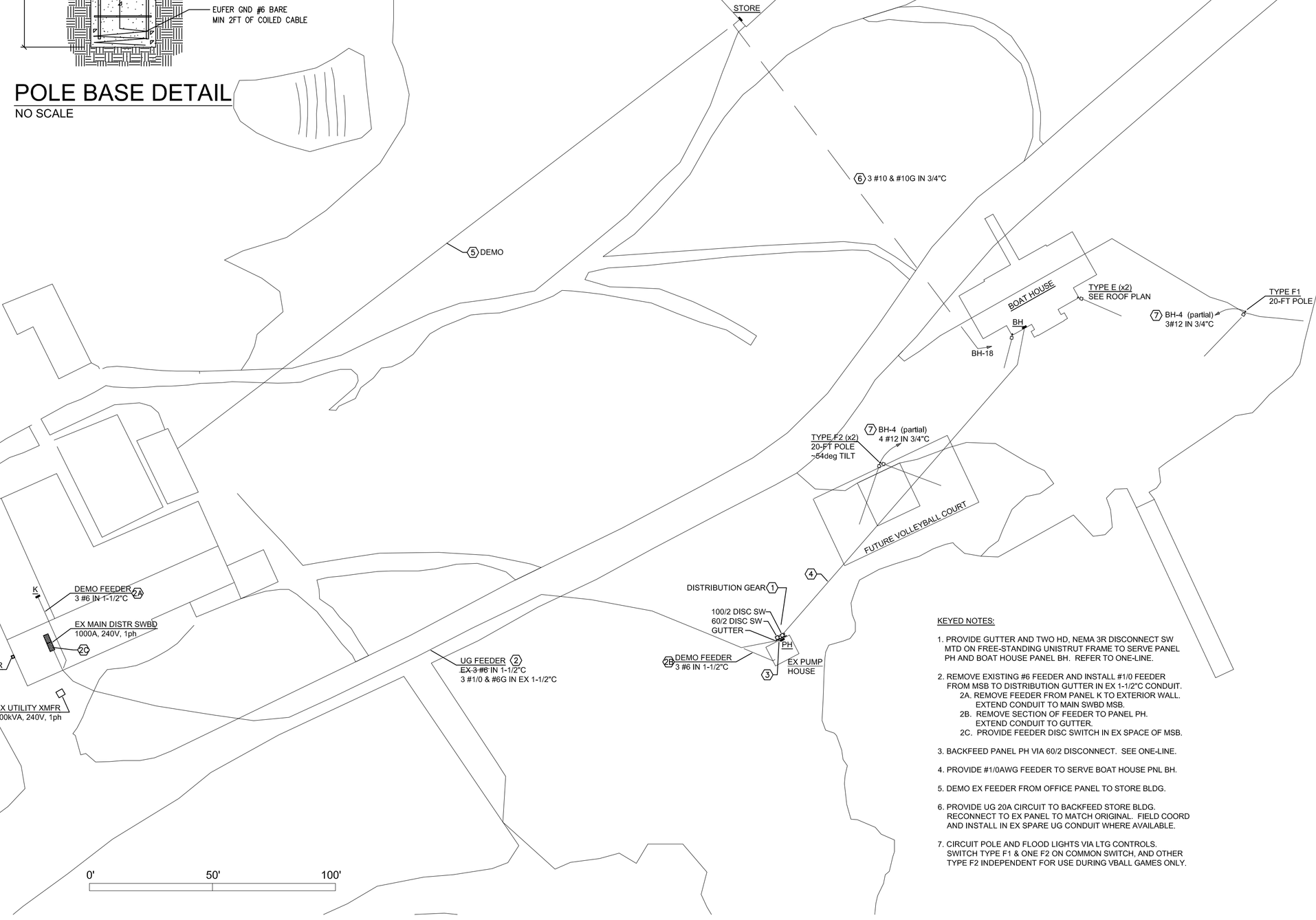
UTILITY TO MSB & Local Branch Circuits: Negligible Voltage Drop

MSB TO DP: 24 *325ft *83A / 105600 = 6.1V

DP TO PH: 24 *6ft *25A / 26240 = 0.2V (+6.1V = 6.3V TOTAL)

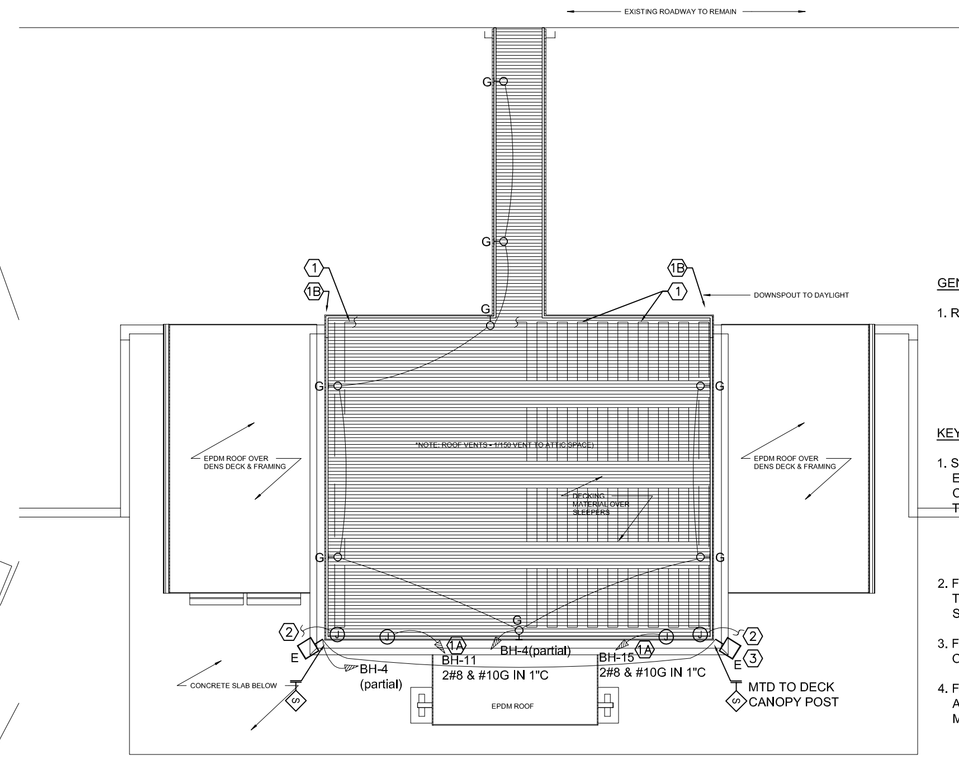
DP TO BH: 24 *175ft *60A / 105600 = 2.4V (+6.1V = 8.5V TOTAL)

BH TO Store: 24 *175FT *5A / 10380 = 2.0V (+6.1V + 2.4V = 10.5V TOTAL)



KEYED NOTES:
1. PROVIDE GUTTER AND TWO HD, NEMA 3R DISCONNECT SW MTD ON FREE-STANDING UNISTRUT FRAME TO SERVE PANEL PH AND BOAT HOUSE PANEL BH. REFER TO ONE-LINE.
2. REMOVE EXISTING #6 FEEDER AND INSTALL #1/0 FEEDER FROM MSB TO DISTRIBUTION GUTTER IN EX 1-1/2"C CONDUIT.
   2A. REMOVE FEEDER FROM PANEL K TO EXTERIOR WALL. EXTEND CONDUIT TO MAIN SWBD MSB.
   2B. REMOVE SECTION OF FEEDER TO PANEL PH. EXTEND CONDUIT TO GUTTER.
   2C. PROVIDE FEEDER DISC SWITCH IN EX SPACE OF MSB.
3. BACKFEED PANEL PH VIA 60/2 DISCONNECT. SEE ONE-LINE.
4. PROVIDE #1/0AWG FEEDER TO SERVE BOAT HOUSE PNL BH.
5. DEMO EX FEEDER FROM OFFICE PANEL TO STORE BLDG.
6. PROVIDE UG 20A CIRCUIT TO BACKFEED STORE BLDG. RECONNECT TO EX PANEL TO MATCH ORIGINAL. FIELD COORD AND INSTALL IN EX SPARE UG CONDUIT WHERE AVAILABLE.
7. CIRCUIT POLE AND FLOOD LIGHTS VIA LTG CONTROLS. SWITCH TYPE F1 & ONE F2 ON COMMON SWITCH, AND OTHER TYPE F2 INDEPENDENT FOR USE DURING VBALL GAMES ONLY.

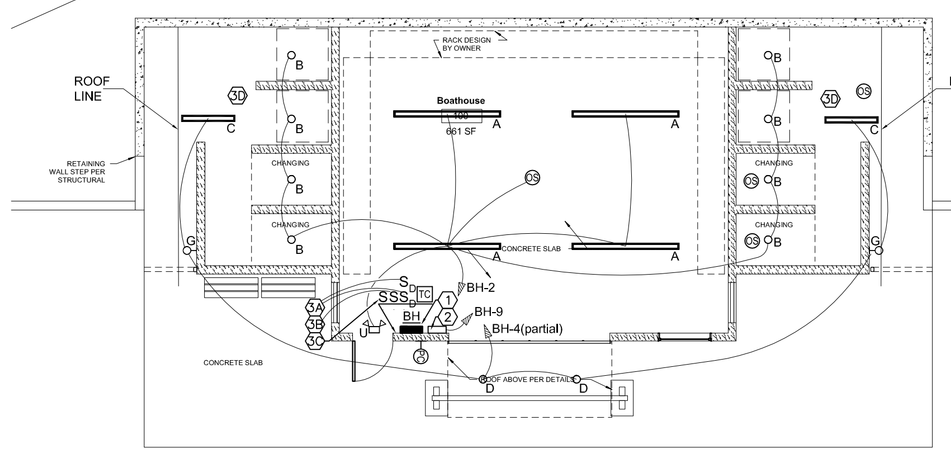
NORTH
PARTIAL SITE PLAN - ELECTRICAL
SCALE: 1:30



NORTH
ROOF DECK PLAN - ELECTRICAL
SCALE: 1/8" = 1' - 0"

GENERAL NOTES:
1. ROOF SCOPE INCLUDES:
   DEICING CABLE SYSTEM INSTALLED ON ROOF UNDER DECK.
   STEP LIGHTS INSTALLED IN DECK PERIMETER WALLS. SEE ARCH.
   ROUGH-INS FOR SPEAKERS ON DECK CANOPY POSTS.
   SMALL LED FLOOD LIGHTS INSTALLED ON DECK POSTS.

KEYED NOTES:
1. SNOW MELT: PROVIDE A HEAT CABLE SYSTEM ON NOM 28' x 23' BLDG EPDM ROOF, MTD BELOW THE ROOF DECK. FIELD COORD SPACING OF CABLES WITH DECK SUPPORTS & ANY OTHER OBSTRUCTIONS TO MAINTAIN MAX SPACING BETWEEN CABLE RUNS PER MFGR.
   1A. PROVIDE TWO POWER CONNECTIONS PER FINAL DESIGN.
   1B. PROVIDE HEAT TRACE FOR EACH GUTTER / DOWNSPOUT PER ARCH DRAWINGS. FIELD COORD FINAL LOCATIONS.
2. FIELD COORD EXTENDING CONCEALED CONDUIT UP FROM MAIN RM TO SERVE SPEAKERS. PROVIDE PULL STRING AND BACK BOX OR SIMILAR TO ALLOW PULLING IN AUDIO CABLE BY OTHERS.
3. FIELD COORD MOUNTS FOR TYPE E SMALL FLOOD LIGHT INSTALLED ON DECK CANOPY POSTS.
4. FIELD COORDINATE BACKBOX OR SIMILAR TO MOUNT STEP LIGHTS ALONG DECK RAILING SYSTEM. CONCEAL WIRING WHERE POSSIBLE. MOUNT NOM 2.5-FT ABOVE DECK FLUSH WITH INSIDE FACE OF RAILS.

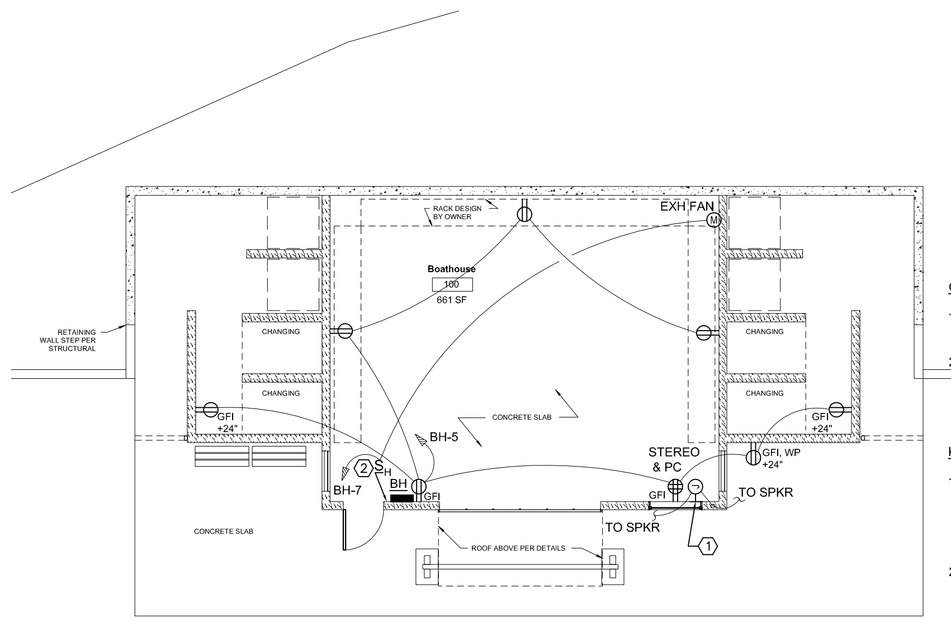


NORTH
FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1' - 0"

GENERAL NOTES:
1. INSTALL TYPE G & D FLUSH MTD, TYPES A, B, C SURFACE MTD ON FLUSH RECESSED J-BOXES.
2. FIELD COORDINATE LAYOUT OF ALL EQUIP PRIOR TO ROUGHIN.

KEYED NOTES:
1. SURFACE MTD PANEL BH. REFER TO ONE-LINE & SITE PLAN.
2. CONTROLLER FOR ROOF DEICING SYSTEM. SEE SPEC.
3. LTG CONTROLS: LABEL LTG CONTROLLED ON EA COVERPLATE.
   3A. AREA POLE LIGHTS: PC ON, TC OFF, DIMMER* FOR LEVEL POLE LTG DIMMERS TO BE INSTALLED IN FLUSH BOX TO LIMIT ACCESS AFTER SETTING DIM LEVELS PER OWNER.
   3B. TYPE D & G: PC ON/OFF, OVERRIDE SW.
   3C. OVERRIDE SW FOR MAIN RM. OS w/ 30MIN DELAY.
   3D. CHANGING AREAS: OS ON/OFF, DELAY PER OWNER.

LABEL EACJ SW DENOTING LIGHTS CONTROLLED.



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

GENERAL NOTES:
1. INSTALL ALL DEVICES FLUSH UNLESS OTHERWISE DIRECTED BY OWNER.
2. FEED DOWNSTREAM DEVICES AS GFI PROTECTED. LABEL CP.

KEYED NOTES:
1. PROVIDE 4x4 BACKBOX, COVER WITH 1"C GROMMETED HOLE AND EMPTY 3/4"C TO EACH OF TWO SPEAKER J-BOXES AT ROOF DECK POSTS FOR ROUTING AUDIO CABLES BY OTHERS. INSTALL RUN WITH TWO 90-DEG BENDS MAX & PULL STRING. LABEL INSIDE OF EACH OF THREE J-BOXES AS 'AUDIO'.
2. PROVIDE HUMIDISTAT FOR ON/OFF CONTROL OF EXH FAN.

RED ROCK CONSULTING ENGINEERS
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COLORADO REGISTERED 28627 PROFESSIONAL ENGINEER
11/12/19
EAGLE LAKE CAMPS BOAT HOUSE

SITE AND FLOOR PLANS

LEGAL DESCRIPTION: N/A
EAGLE LAKE CAMPS - BOATHOUSE STOREROOM
COLORADO SPRINGS, COLORADO

JN:	19-004
SCALE:	AS NOTED
ISSUE DATE:	09/03/19
DSG BY:	JT
CHK BY:	JT

REVISION:	
DATE:	
DRW BY:	
CHK BY:	
REVISION:	
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DRW BY:	
CHK BY:	

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EXCEPT BY WRITTEN AGREEMENT AND APPROPRIATE COMPENSATION TO THE ENGINEER, SUCH DOCUMENTS ARE TO BE RETURNED OR OTHERWISE ACCOUNTED FOR THE ENGINEER ON REQUEST AT THE COMPLETION OF THE WORK.