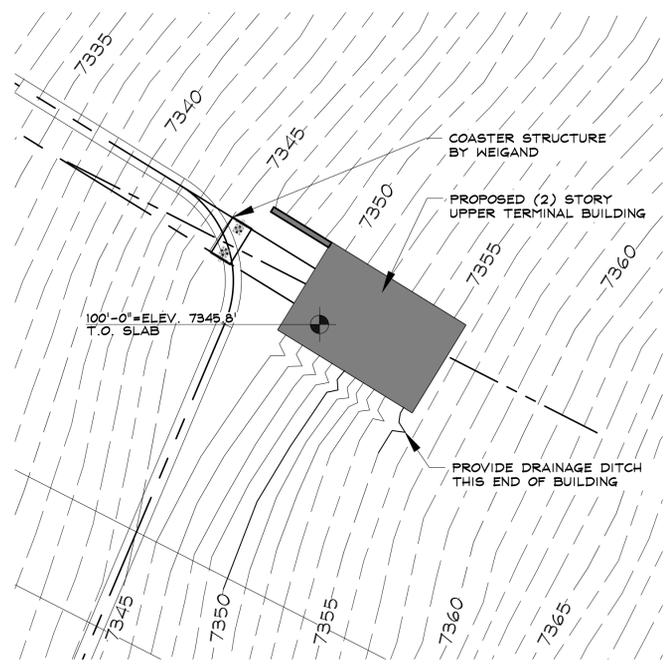


APPROVED

ATMOS ENERGY CORPORATION
 2# Systems will not be allowed unless proof of an appliance requiring a MINIMUM of over 7" W.C. is provided to Atmos Energy Corporation personnel for review.
 Meter location must be approved by an Atmos Energy Corporation employee during a mandatory site visit to be scheduled after foundation is in place.
 Meters will not be allowed under a shedding roofline or where overhanging snow is a danger to the meter set.



No water and sewer plumbing fixtures proposed. Based on this no PIF required. Approved by Mt Werner Water 8-12-16.

PJ1735-5
 Fire Prevention
 In: 8/17/2016
 Out: 08/17/2016

GENERAL PROJECT INFORMATION

APPLICABLE CODES:
 2009 INTERNATIONAL BUILDING CODE
 2009 INTERNATIONAL PLUMBING CODE
 2009 INTERNATIONAL MECHANICAL CODE
 2009 INTERNATIONAL ENERGY CONSERVATION CODE
 2009 FUEL GAS CODE
 2011 NATIONAL ELECTRIC CODE
 INTERNATIONAL CODE COUNCIL ELECTRIC CODE
 2009 CITY OF S.S. COMMUNITY DEVELOPMENT CODE

ZONING: OR - OPEN SPACE & RECREATION

SETBACKS:
 FRONT: 25'-0" PRIMARY, 25'-0" ACCESSORY
 SIDE: 25'-0" PRIMARY, 15'-0" ACCESSORY
 REAR: 20'-0" PRIMARY, 15'-0" ACCESSORY

LOT SIZE:
 WIDTH: 25'-0" MIN, NO MAX
 DEPTH: NO MIN
 MINIMUM AREA: 2,500 SQ. FT.

LOT COVERAGE: NO MAXIMUM

F.A.R.: NO MAXIMUM

LEGAL DESCRIPTION
 SE4SE4, TRS IN NE4SE4, SW4SE4,
 SE4SW4 SEC. 22-6-84, NE4NE4, TRS
 IN NW4NE4 SECT. 27-6-84

**RCRBD
 RECORD SET**

CODE STUDY

ZONING: OR - OPEN SPACE & RECREATION

CONSTRUCTION TYPE: V-B

OCCUPANCY CLASSIFICATION: GROUP B

NO. STORIES: (2)

SIZE OF BUILDING: 351.5 SQ. FT.

OCCUPANCY LOAD: 4 PEOPLE (351.5 SQ. FT./100)

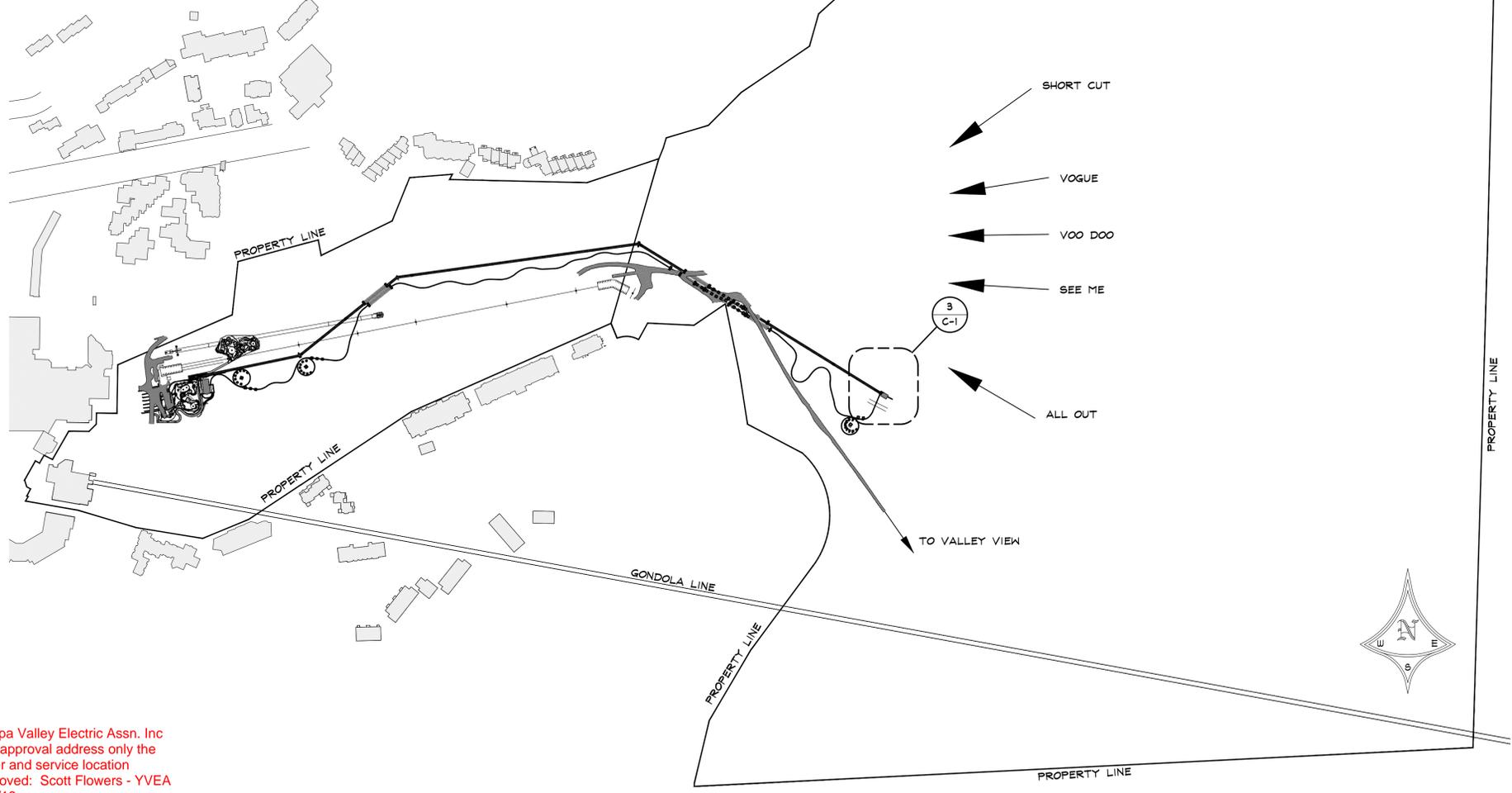
SIZE OF LOT: 197.0 ACRES

BLDG. HEIGHT: APH: 17'-0", 22'-0" ALLOWED
 OH: 24'-0" MAX, 34'-0" ALLOWED

3 ENHANCED SITE PLAN @ UPPER TERMINAL BUILDING

NOT A CERTIFIED PLAT-BASED ON SURVEY BY LANDMARK CONSULTANTS, INC. DATED: 06.16.2016
 DASHED CONTOUR LINES REPRESENT EXISTING ELEVATIONS
 SOLID CONTOUR LINES REPRESENT PROPOSED ELEVATIONS
 CONTOUR LINES ARE IN 1'-0" INCREMENTS

SCALE: 1" = 10'-0"



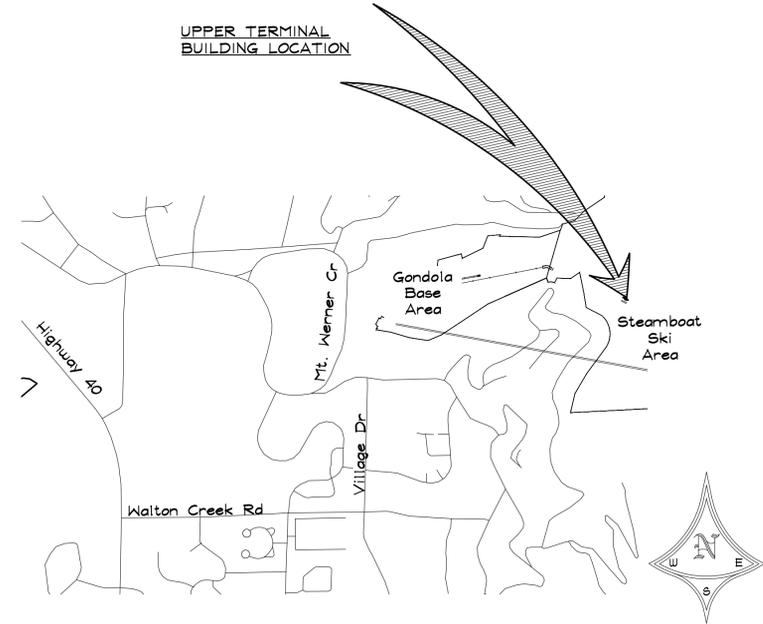
2 SITE PLAN

NOT A CERTIFIED PLAT-BASED ON SURVEY BY LANDMARK CONSULTANTS, INC. DATED: 06.16.2016

SCALE: 1" = 240'-0"

SHEET SCHEDULE

SHEET	CONTENTS
C-1	OVERALL SITE PLAN & VICINITY MAP
A-1	FLOOR PLANS & ARCH. NOTES
A-2	BUILDING ELEVATIONS
A-3	BUILDING SECTION
S-1	FOUNDATION PLAN, SECTIONS & STRUC. NOTES
S-2	FRAMING PLANS & SECTIONS



1 VICINITY MAP

SCALE: 1" = 1000'

ALPINE COASTER UPPER BUILDING
 2305 MT. WERNER CIRCLE
 STEAMBOAT SPRINGS, COLORADO
 A NEW BUILDING FOR:
 S&SRC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES
 PRGRESS
 07 . 06 . 16
 PERMIT
 08 . 03 . 16

DRAWN BY:
 SJM/JEM
PROJECT # 16020

OVERALL SITE PLAN & VICINITY MAP

C-1
 SHEET 1 of 6

SEAD
 Steamboat Engineering & Architectural Design, Inc.
 2740 Acute Lane Suite "E" Steamboat Springs, CO 80487
 Phone: 970.871.9110 Fax: 970.871.9089
 E-mail: Steve@seadinc.com

Z:\2016\16020_S&SRC-Alpine Coaster\Drawings\Civil\16020_Site_JB.dwg, C-1, 8/23/2016 12:50:36 PM

ARCHITECTURAL NOTES

All work must comply with state and local codes, based on the Routt County Zoning Regulations, the 2009 International Building Code, the 2009 International Residential Code, the International Plumbing Code, the International Mechanical Code, the Energy Conservation Code and the International Electric Code. The contractor shall comply with all laws, ordinances, rules and regulations of any public authority bearing on the performance of the work, including O.S.H.A.

Location of the utilities (electrical, telephone, cable TV, gas, water, sewer) shall be verified before construction begins.

All on site construction safety and construction means and methods are the responsibility of the contractor. There is no implication of the construction safety requirements or building methods contained in these drawings.

All interior and exterior dimensions are to face of stud or face of concrete, U.N.O.

Do not scale drawings.

Actual site conditions may require that some of the components of the work should be done differently than shown on these drawings. All dimensions and conditions to be verified by the contractor prior to construction. Verify changes with the designer and engineer.

These drawings represent a simplified builder's set of plans. Additional detailing may be required of the engineer during construction.

If any discrepancies are found in these drawings notify engineer and/or designer immediately.

Any variation which requires a physical change from these plans must be brought to the attention of the designer and engineer in order to maintain the design intent of the project.

All work connected with this project by any trade involved shall be of the highest quality attainable in accordance with the professional practice of the trade.

Open sides of stairways, landings, ramps, balconies and porches which are more than 30" above grade shall be protected by a guardrail. All guardrails must be 36" above finished floor and shall allow no more than a 4" diameter sphere to pass through any portion of the railing per 2009 IRC R312.

Habitable spaces within dwelling units shall have natural light provided by exterior openings equal to 8% of the floor area. Natural ventilation shall be provided by means of operable exterior openings equal to 4% of the floor area.

The water closet stool shall be located in a clear space of not less than 30" in width. The clear space in front of the water closet stool shall be not less than 21".

All exterior walls are nominal 2x6 stud construction, U.N.O. All interior walls are nominal 2x4 stud construction, U.N.O.

The surface of exterior stairs shall be slip resistant.

Provide Grace 'Ice and water shield', or equivalent product, from the edge of roof overhangs to the ridge.

Walls and ceilings of enclosed usable space under stairs requires 1/2" gypsum wallboard. The door to access such spaces need not be rated.

Provide smoke detection per 2009 IRC section R314.

DOOR & HARDWARE SCHEDULE

NO.	LOCATION	ROUGH OPENING		DOOR SIZE	JAMB THICK.	FIRE RATING	FRAME	DOOR HAND	REMARKS
		WIDTH	HEIGHT						
1	CONTROL ROOM	3'-2"	6'-10"	306B	6 9/16"	N/A	STAIN GRADE WOOD	LEFT	EXT. w/ CLAD FRAME

NOTE: VERIFY ALL ROUGH OPENINGS

WINDOW SCHEDULE

NO.	MANUFACTURER	QTY.	UNIT DIMENSION		ROUGH OPENING		FUNCTION	DIRECTION (HAND)	BOTTOM OF HEADER	REMARKS
			WIDTH	HEIGHT	WIDTH	HEIGHT				
A	T.B.D.	3	4'-0"	3'-0"	4'-0 1/2"	3'-0 1/2"	SLIDER	N/A	6'-10" ABV. PLYWD.	

NOTE: VERIFY ALL ROUGH OPENINGS

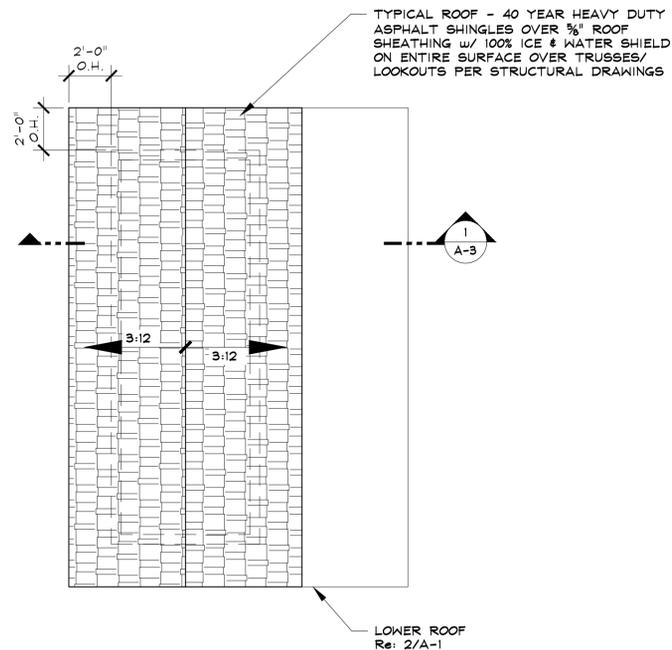
COMMERCIAL ENERGY CODE STANDARDS

Re: 2009 International Energy Conservation Code Table 502.2(1)

BUILDING ENVELOPE REQUIREMENTS - OPAQUE BUILDINGS

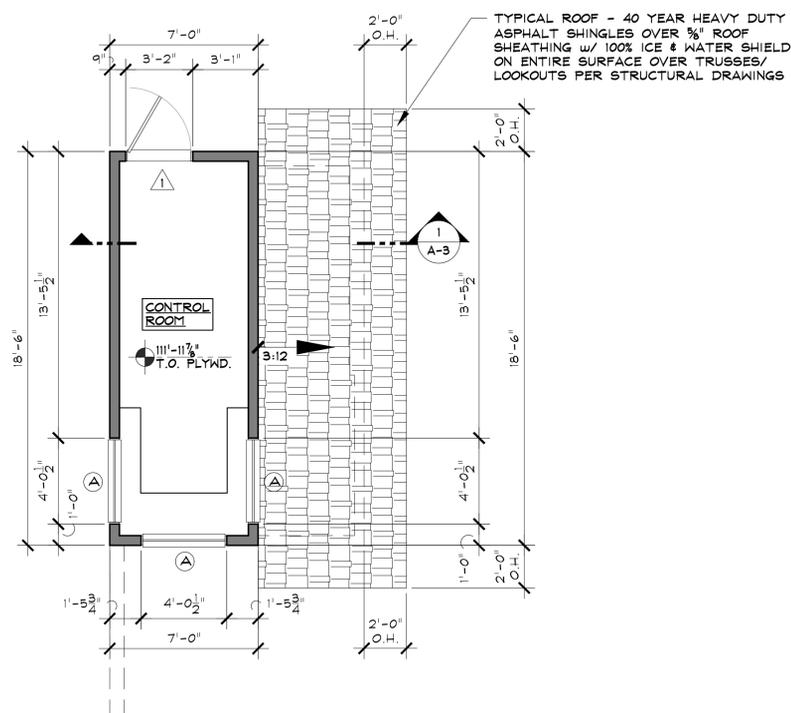
Climate Zone 7	Roofs			Walls Above Grade			Walls Below Grade		Floors	Slab-on-Grade Floors		Opaque Doors		
	Insulation entirely above deck	Metal buildings (w/ r-5 thermal blocks) ^a	Attic & other	Mass	Metal Building ^b	Metal Framed	Wood Framed & Other	Below grade wall ^c	Mass	Joists/ Framing	Unheated Slabs	Heated Slabs	Swinging	Roll up or Sliding
Group R	R-25ci	R-19 + R-10	R-3B	R-15.2ci	R-19 + R-5.6ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-10ci	R-16.7ci	R-30	R-15 for 24in. below	R-20 for 48in. below	U-0.50	U-0.50
All other	R-25ci	R-13 + R-19	R-3B	R-15.2ci	R-13 + R-5.6ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-7.5ci	R-15ci	R-30	R-15 for 24in. below	R-20 for 24in. below	U-0.50	U-0.50

- a Thermal blocks are a minimum R-5 of rigid insulation, which extends 1 inch beyond the width of the purlin on each side, perpendicular to the purlin.
- b Assembly descriptions can be found in Table 502.2(2)
- c R-5.7 ci may be substituted with concrete block walls complying with ASTM C 90, ungrouted or partially grouted at 32 inches or less on center vertically and 48 inches or less on center horizontally, with ungrouted cores filled with material having a maximum thermal conductivity of 0.44 Btu-in./h-f²F.
- d When heated slabs are placed below grade, below grade walls must meet the exterior insulation requirements for perimeter insulation according to the heated slab-on-grade construction.
- e Insulation is not required for mass walls in Climate Zone 3A located below the "Warm-Humid" line, and in Zone 3B.



3 UPPER ROOF PLAN

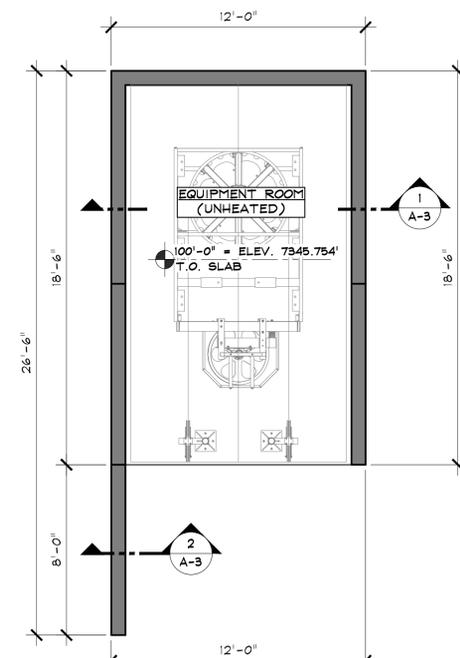
SCALE: 1/4" = 1'-0"



2 MAIN LEVEL FLOOR / LOWER ROOF PLAN

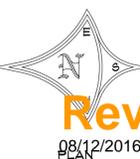
129.5 SQ. FT. CONTROL ROOM

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



1 LOWER LEVEL FLOOR PLAN

222 SQ. FT. UNHEATED EQUIPMENT ROOM



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

ALPINE COASTER UPPER BUILDING

2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO

A NEW BUILDING FOR:
SSRC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES

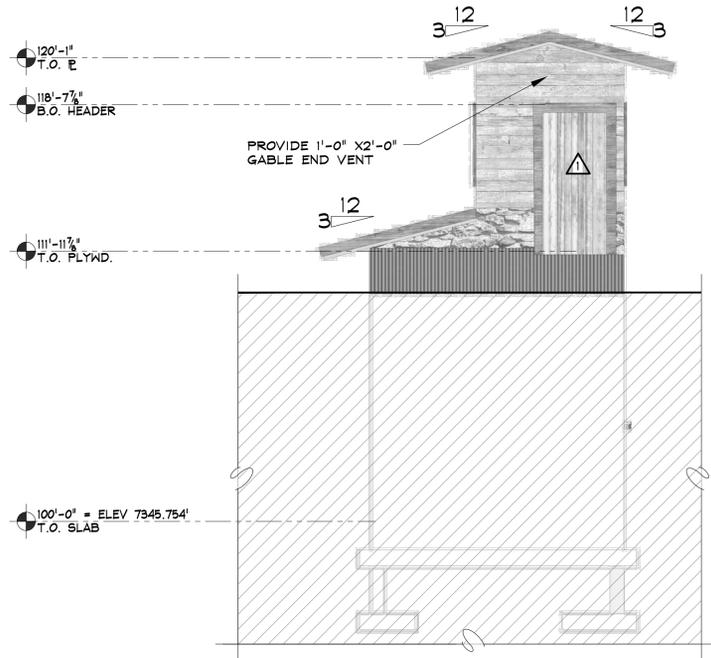
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07 . 06 . 16
PERMIT
08 . 03 . 16

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SJM/JEM
PROJECT # 16020

UPPER BUILDING
FLOOR PLANS

Revised
08/12/2016 11:34:08 AM

SHEET 2 of 6



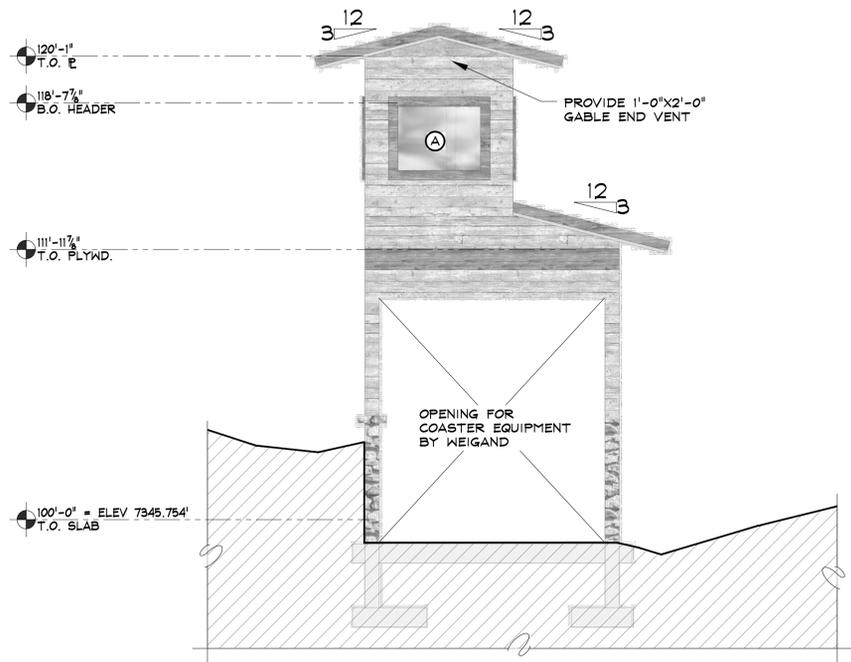
4 EAST ELEVATION

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



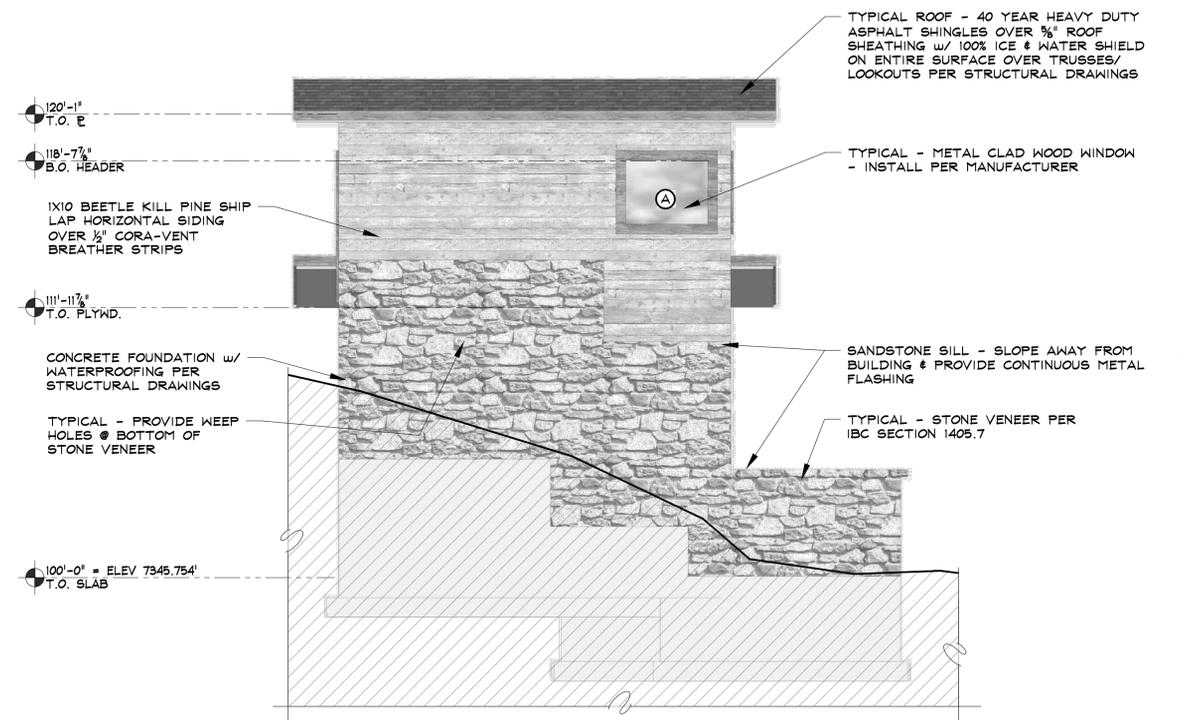
3 SOUTH ELEVATION

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



2 WEST ELEVATION

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



1 NORTH ELEVATION

NOTES THIS ELEVATION TYPICAL
FINAL DOOR & WINDOW SCHEDULE PER OWNER/CONTRACTOR

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



Steamboat Engineering & Architectural Design, Inc.
2740 Acute Lane Suite 'E' Steamboat Springs, CO 80487
Phone: 970.937.8170 Fax: 970.937.9089
E-mail: Steve@seadinc.com

ALPINE COASTER UPPER BUILDING

2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO

A NEW BUILDING FOR:
SSRC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES

PRGRESS	07 . 06 . 16
PERMIT	08 . 03 . 16

DRAWN BY:
SJM/JEM
PROJECT # 16020

BUILDING
ELEVATIONS

A-2

SHEET 3 of 6

THERMAL ENVELOPE NOTES

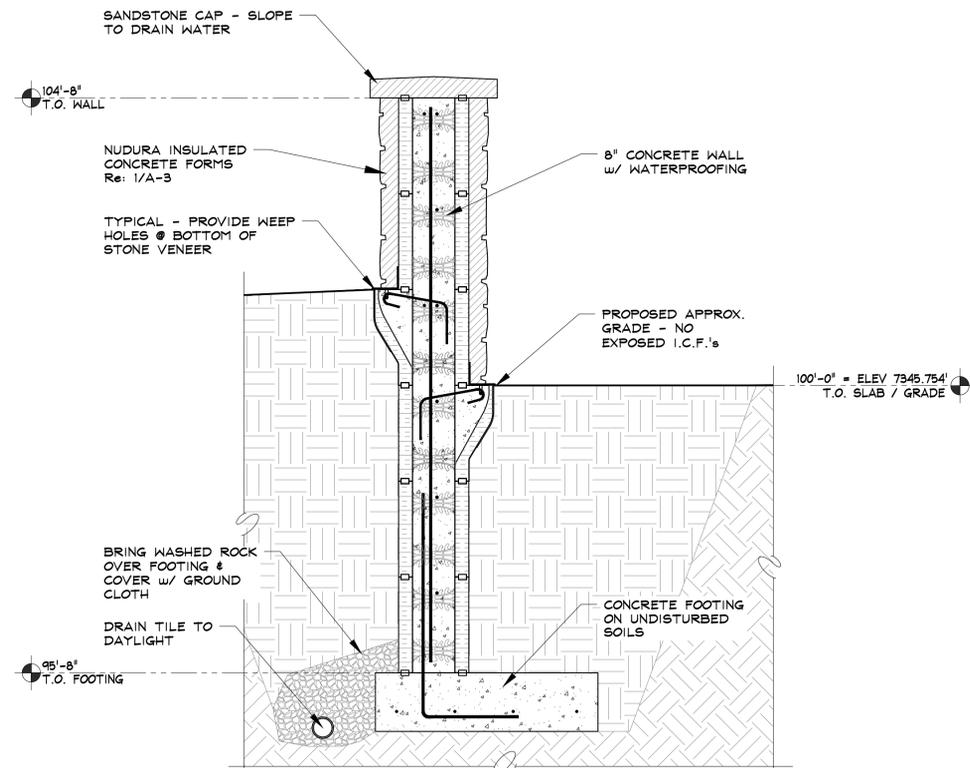
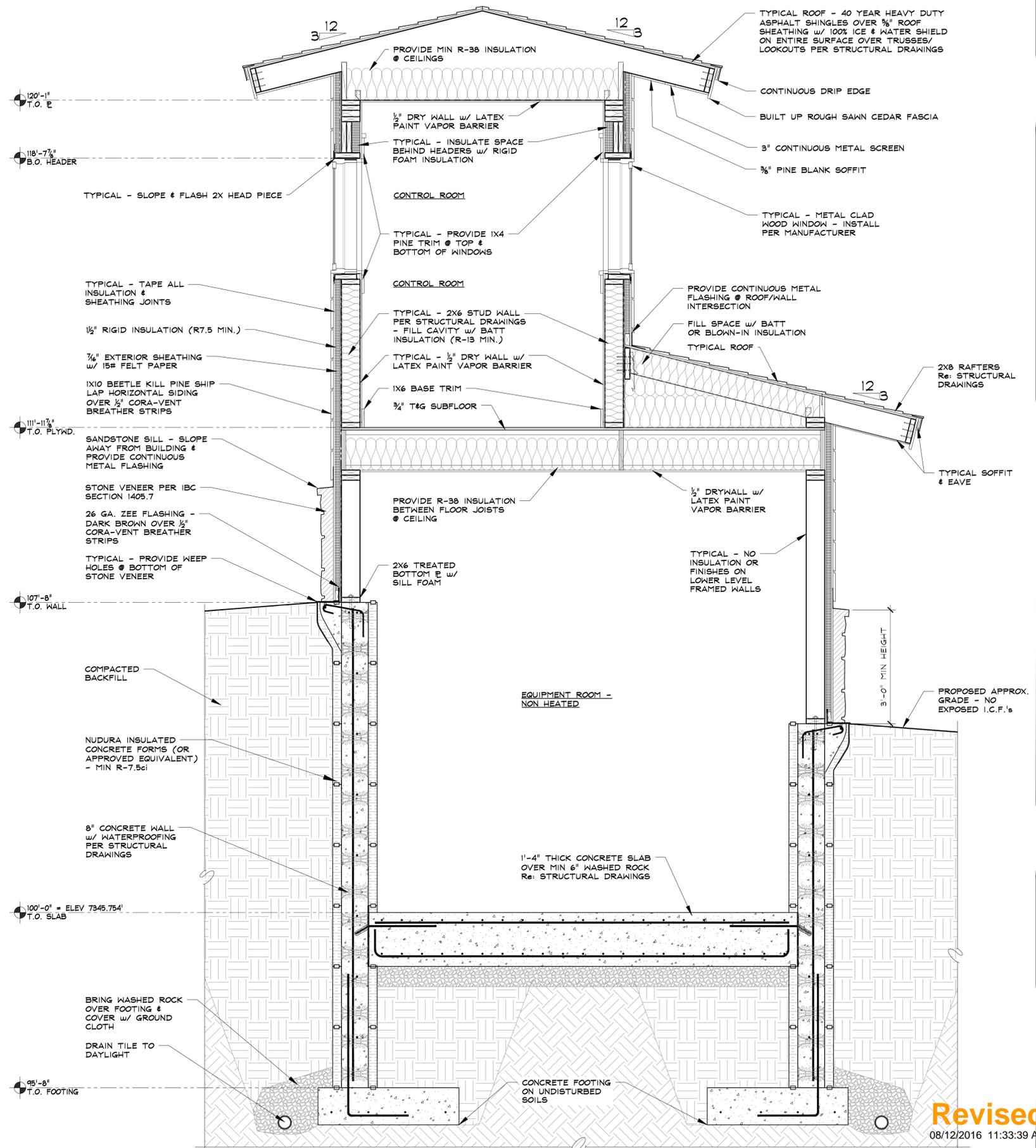
THE BUILDING ENVELOPE SHALL BE DURABLY SEALED TO LIMIT INFILTRATION. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED, OR OTHERWISE SEALED WITH A BARRIER MATERIAL, SUITABLE FILM, OR SOLID MATERIAL:

1. ALL JOINTS, SEAMS, AND PENETRATIONS
2. SITE-BUILT WINDOWS, DOORS, & SKYLIGHTS
3. OPENINGS BETWEEN WINDOW & DOOR ASSEMBLIES
4. UTILITY PENETRATIONS
5. DROPPED CEILINGS & CHASES ADJACENT TO THE THERMAL ENVELOPE
6. KNEE WALLS
7. WALLS & CEILING SEPARATING A GARAGE FROM CONDITIONED SPACES
8. BEHIND TUBS & SHOWERS OF EXTERIOR WALLS
9. BEHIND FIREPLACE INSERTS
10. ANY OTHER SOURCE OF INFILTRATION

WINDOWS, SKYLIGHTS, & SLIDING DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 cfm PER SQUARE FOOT. SWINGING DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.5 cfm PER SQUARE FOOT.

RECESSED LUMINARIES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED & UNCONDITIONED SPACES BY BEING:
IC RATED & LABELED WITH ENCLOSURES THAT ARE SEALED OR GASKETED TO PREVENT AIR LEAKAGE TO THE CEILING CAVITY OR UNCONDITIONED SPACE

ABOVE GRADE FRAME WALLS, FLOORS, & CEILINGS NOT VENTILATED TO ALLOW MOISTURE TO ESCAPE SHALL BE PROTECTED WITH LATEX PAINT OR 6 MIL. POLY OVERLAPPED & TAPERED AT ALL JOINTS. THE VAPOR RETARDER SHALL BE INSTALLED ON THE WARM-IN-WINTER SIDE OF THE THERMAL ENVELOPE.



2 RETAINING WALL SECTION

1 BUILDING SECTION

SCALE: 3/4" = 1'-0"

SCALE: 3/4" = 1'-0"

ALPINE COASTER UPPER BUILDING

2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO

A NEW BUILDING FOR:
SSRC - STEAMBOAT SKI & RESORT CORP.

Steamboat Engineering & Architectural Design, Inc.
2740 Acute Lane Suite 'E' Steamboat Springs, CO 80487
Phone: 970.871.9100 Fax: 970.871.9089
E-mail: Steve@steaminc.com

ISSUE DATES

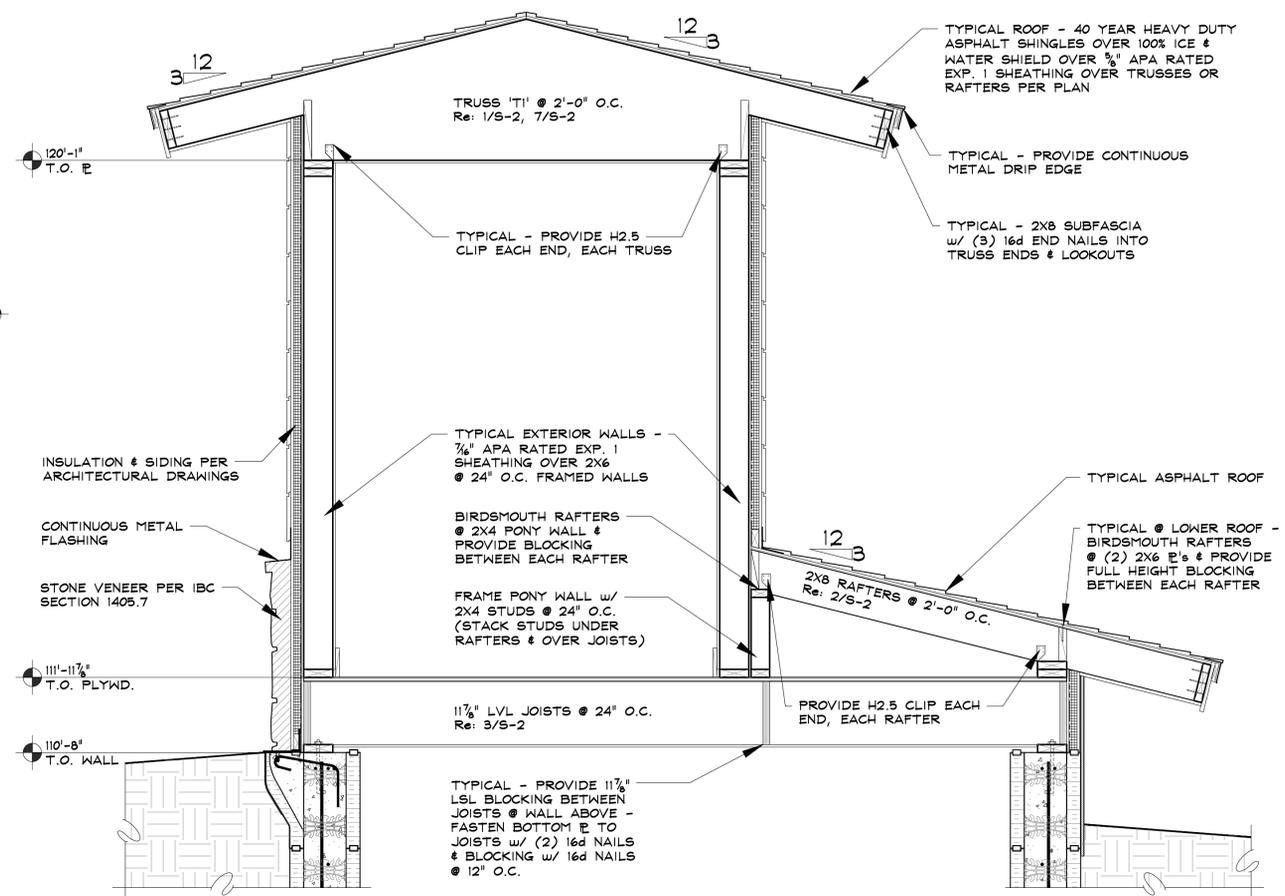
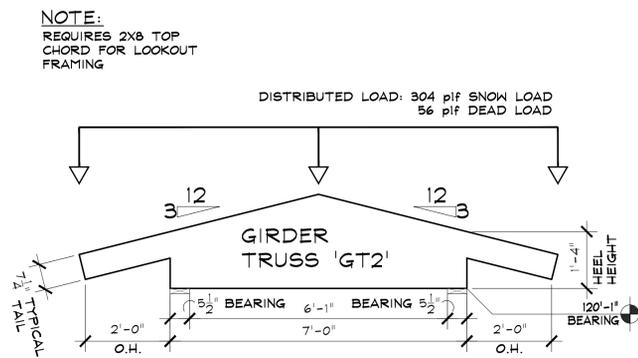
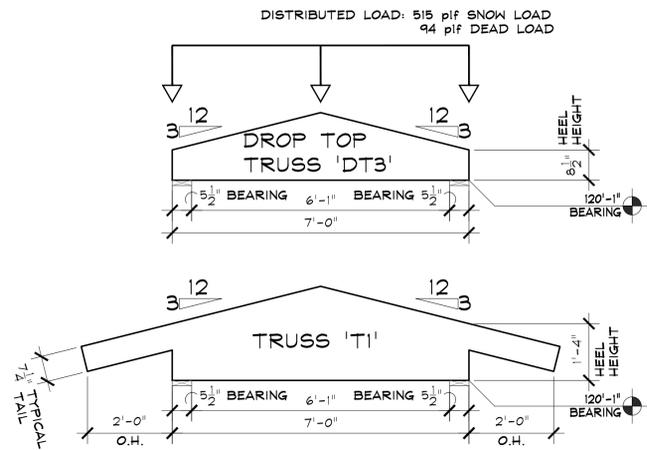
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PERMIT	08 . 03 . 16

DRAWN BY:
SJM/JEM
PROJECT # 16020

BUILDING SECTION

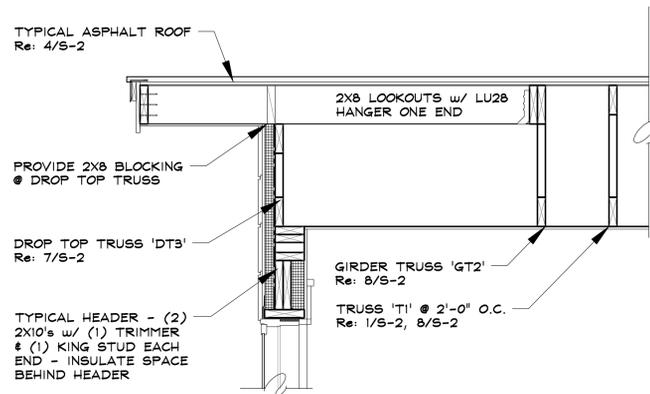
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A-3

SHEET 4 of 6



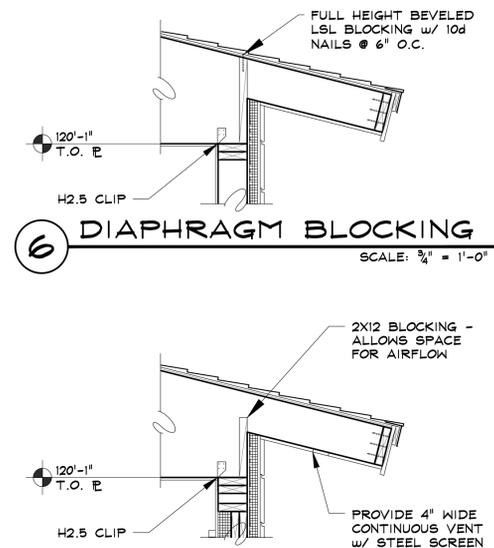
8 MANUFACTURED TRUSS SCHEMATICS

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



7 SECTION THROUGH LOOKOUT

SCALE: 3/4" = 1'-0"

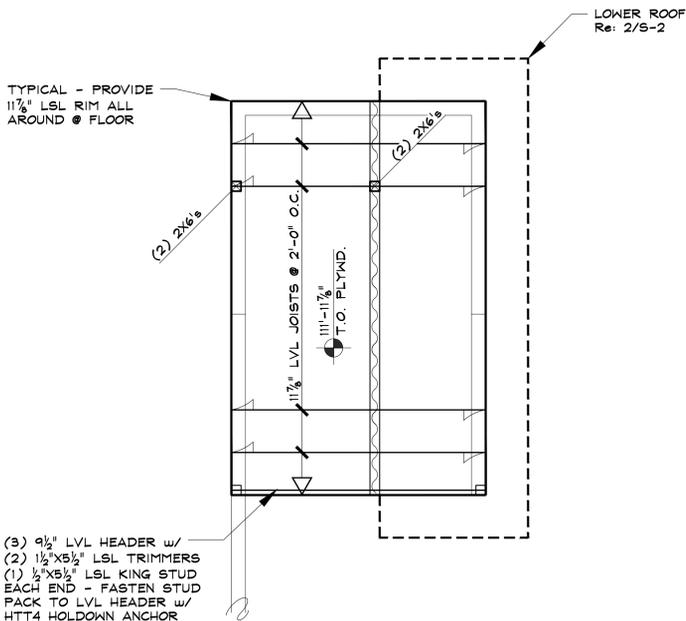


6 TYP. TRUSS SECTION

SCALE: 3/4" = 1'-0"

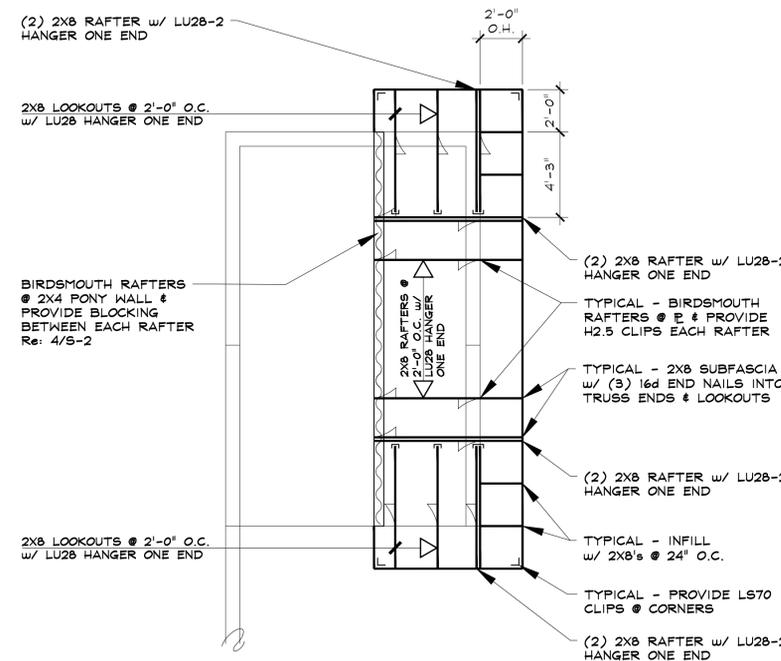
4 BUILDING SECTION w/ DIAPHRAGM NAILING

SCALE: 3/4" = 1'-0"



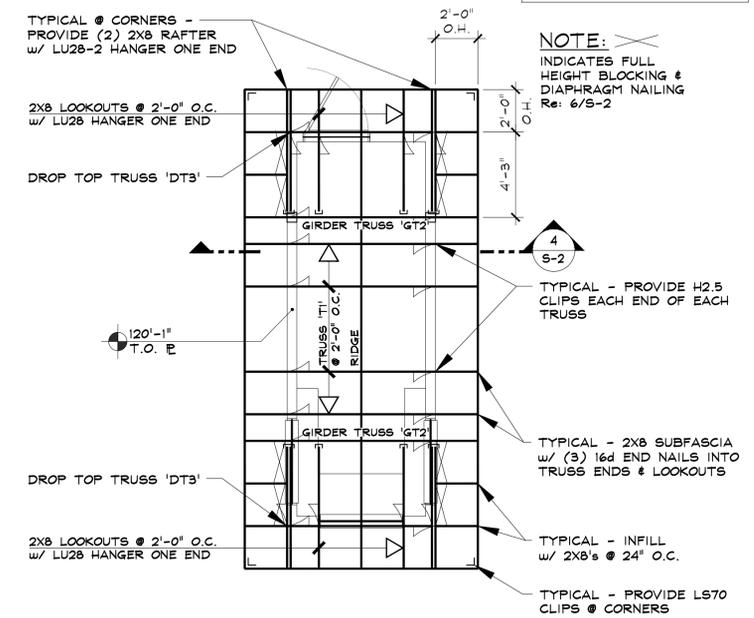
3 MAIN FLOOR FRAMING PLAN

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



2 LOWER ROOF FRAMING PLAN

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



1 UPPER ROOF FRAMING PLAN

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

ALPINE COASTER UPPER BUILDING

2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO
A NEW BUILDING FOR:
SSRC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES
PROGRESS 07 . 06 . 16
PERMIT 08 . 03 . 16

DRAWN BY:
SJM/JEM

PROJECT # 16020

FRAMING PLANS

S-2

SHEET 6 of 6

SSRC
Steamboat Engineering & Architectural Design, Inc.
2740 Acre Lane Suite E, Steamboat Springs, CO 80467
Phone: 970.871.8711 Fax: 970.871.9089
E-mail: Steve@ssrcinc.com

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The surface of exterior stairs shall be slip resistant.

Provide Grace 'Ice and water shield', or equivalent product, from the edge of roof overhangs to the ridge.

Walls and ceilings of enclosed usable space under stairs requires 1/2" gypsum wallboard. The door to access such spaces need not be rated.

Provide smoke detection per 2009 IRC section R314.

DOOR & HARDWARE SCHEDULE

NO.	LOCATION	ROUGH OPENING		DOOR SIZE	JAMB THICK.	FIRE RATING	FRAME	DOOR HAND	REMARKS
		WIDTH	HEIGHT						
1	CONTROL ROOM	3'-2"	6'-10"	306B	6 9/16"	N/A	STAIN GRADE WOOD	LEFT	EXT. W/ CLAD FRAME

NOTE: VERIFY ALL ROUGH OPENINGS

WINDOW SCHEDULE

NO.	MANUFACTURER	QTY.	UNIT DIMENSION		ROUGH OPENING		FUNCTION	DIRECTION (HAND)	BOTTOM OF HEADER	REMARKS
			WIDTH	HEIGHT	WIDTH	HEIGHT				
A	T.B.D.	3	4'-0"	3'-0"	4'-0 1/2"	3'-0 1/2"	SLIDER	N/A	6'-10" ABV. PLYWD.	

NOTE: VERIFY ALL ROUGH OPENINGS

COMMERCIAL ENERGY CODE STANDARDS														
Re: 2009 International Energy Conservation Code Table 502.2(1)														
BUILDING ENVELOPE REQUIREMENTS - OPAQUE BUILDINGS														
Climate Zone 7	Roofs			Walls Above Grade			Walls Below Grade		Floors	Slab-on-Grade Floors	Opaque Doors			
	Insulation entirely above deck	Metal buildings (w/ r-5 thermal blocks) ^a	Attic & other	Mass	Metal Building ^b	Metal Framed	Wood Framed & Other	Below grade wall ^c	Mass	Joists/Framing	Unheated Slabs	Heated Slabs	Swinging	Roll up or Sliding
Group R	R-25ci	R-19 + R-10	R-3B	R-15.2ci	R-19 + R-5.6ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-10ci	R-16.7ci	R-30	R-15 for 24in. below	R-20 for 48in. below	U-0.50	U-0.50
All other	R-25ci	R-13 + R-19	R-3B	R-15.2ci	R-13 + R-5.6ci	R-13 + R-7.5ci	R-13 + R-7.5ci	R-7.5ci	R-15ci	R-30	R-15 for 24in. below	R-20 for 24in. below	U-0.50	U-0.50

- a Thermal blocks are a minimum R-5 of rigid insulation, which extends 1 inch beyond the width of the purlin on each side, perpendicular to the purlin.
- b Assembly descriptions can be found in Table 502.2(2)
- c R-5.7 ci may be substituted with concrete block walls complying with ASTM C 90, ungrouted or partially grouted at 32 inches or less on center vertically and 48 inches or less on center horizontally, with ungrouted cores filled with material having a maximum thermal conductivity of 0.44 Btu-in./h-f²F.
- d When heated slabs are placed below grade, below grade walls must meet the exterior insulation requirements for perimeter insulation according to the heated slab-on-grade construction.
- e Insulation is not required for mass walls in Climate Zone 3A located below the "Warm-Humid" line, and in Zone 3B.

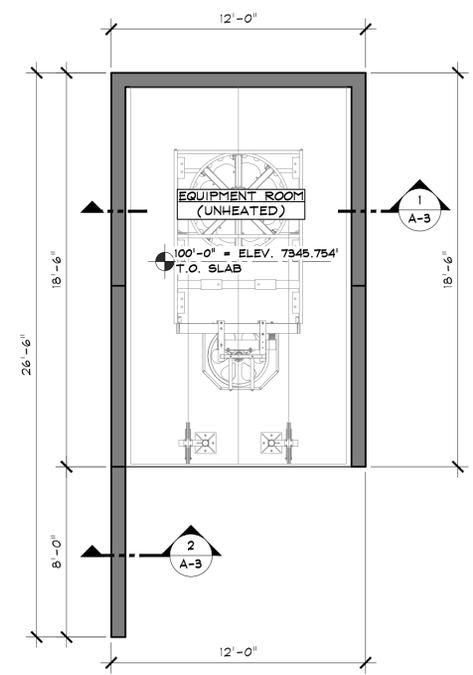
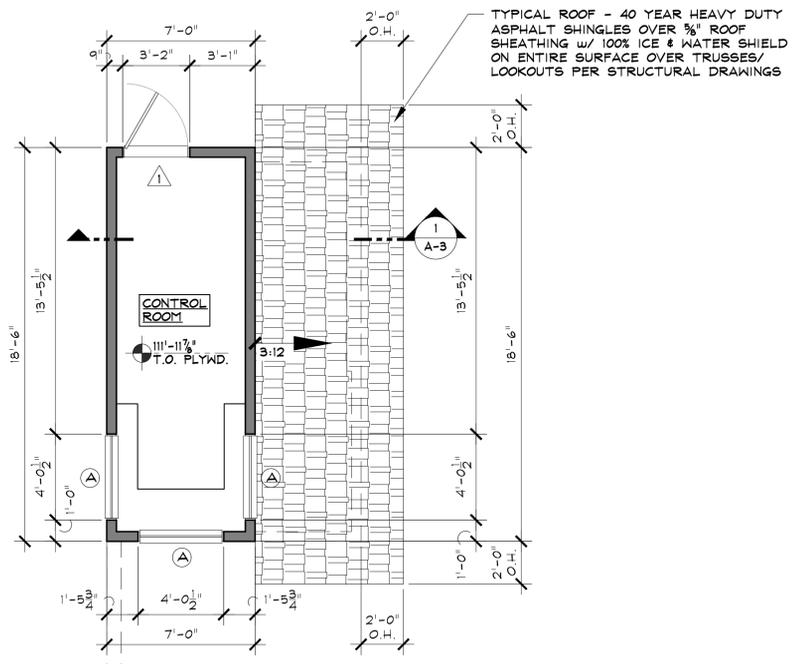
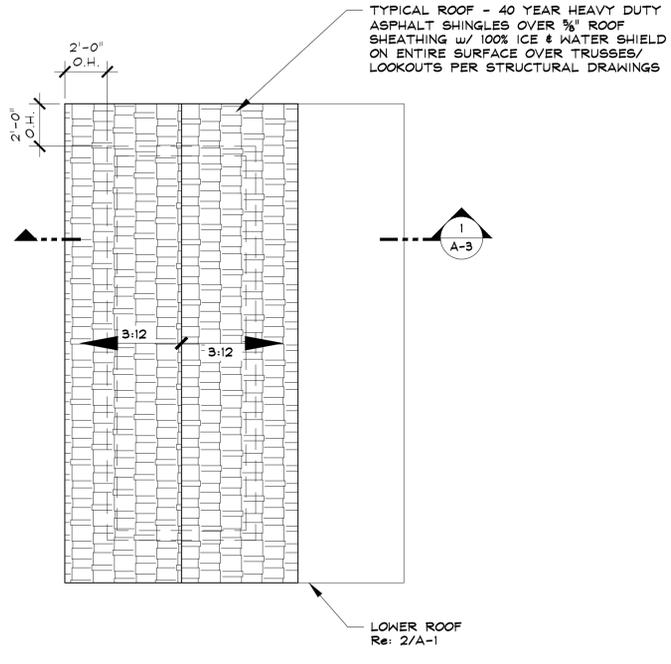
ROOF-CEILING SYSTEMS

GA FILE NO. RC 2602	GENERIC	1 HOUR FIRE
<p>WOOD TRUSSES, GYPSUM WALLBOARD</p> <p>Base layer 5/8" type X gypsum wallboard applied at right angles to wood roof trusses 24" o.c. with 1-1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to trusses with 1-7/8" Type W or S drywall screws 12" o.c. at joints and intermediate trusses and 1-1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood trusses supporting 1/2" wood structural panels applied at right angles to trusses with 8d nails. Appropriate roof covering. Ceiling provides one-hour fire-resistance protection for trusses.</p>		
<p>Approx. Ceiling Weight: 5 psf Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98</p>		

WOOD JOISTS, GYPSUM WALLBOARD

GA FILE NO. FC 5529	GENERIC	1 HOUR FIRE
<p>Base layer 5/8" type X gypsum wallboard applied at right angles to 2 x 10 wood joists 24" o.c. with 1-1/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1-7/8" Type W or S drywall screws 12" o.c. at joints and intermediate joists and 1-1/2" Type G drywall screws 12" o.c. placed 2" back on either side of end joints. Joints offset 24" from base layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles to joists with 8d nails. Ceiling provides one-hour fire-resistance protection for framing, including trusses.</p>		
<p>Approx. Ceiling Weight: 5 psf Fire Test: FM FC 172, 2-25-72; ITS, 8-6-98</p>		

NOTE:
ALL EXTERIOR WALLS SHALL BE 1hr. FIRE RATED PER GA FILE NO. WP8126
ROOF/CEILING SHALL BE 1 hr. FIRE RATED PER GA FILE NO. RC2602
FLOOR/CEILING SHALL BE 1hr. FIRE RATED PER GA FILE NO. FC5529 (LVL JOISTS CAN BE SUBSTITUTED FOR DIMENSIONAL LUMBER PER TJI BULLETIN #1500, FIRE RATED ASSEMBLIES, PAGE 14)



3 UPPER ROOF PLAN

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

2 MAIN LEVEL FLOOR / LOWER ROOF PLAN

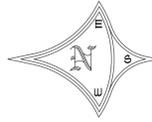
129.5 SQ. FT. CONTROL ROOM

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

1 LOWER LEVEL FLOOR PLAN

222 SQ. FT. UNHEATED EQUIPMENT ROOM

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



RCRB
RECORD SET

SEAD
Steamboat Engineering & Architectural Design, Inc.
2740 Acute Lane Suite 'E' Steamboat Springs, CO 80487
Phone: 970.871.8150 Fax: 970.871.9089
E-mail: Steve@seadinc.com

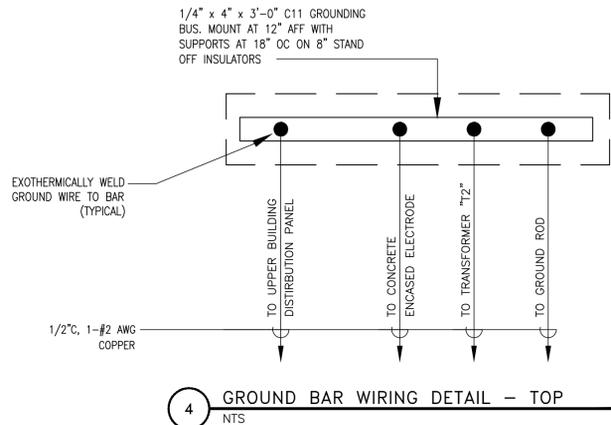
ALPINE COASTER UPPER BUILDING
2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO
A NEW BUILDING FOR:
S&RC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES	
PROGRESS	07 . 06 . 16
PERMIT	08 . 03 . 16
	08 . 11 . 16

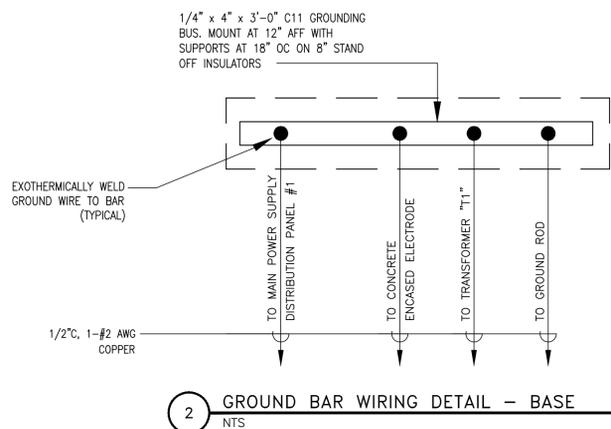
DRAWN BY:
SJM/JEM
PROJECT # 16020

UPPER BUILDING
FLOOR PLANS

A-1
SHEET 2 of 6



4 GROUND BAR WIRING DETAIL - TOP
NTS



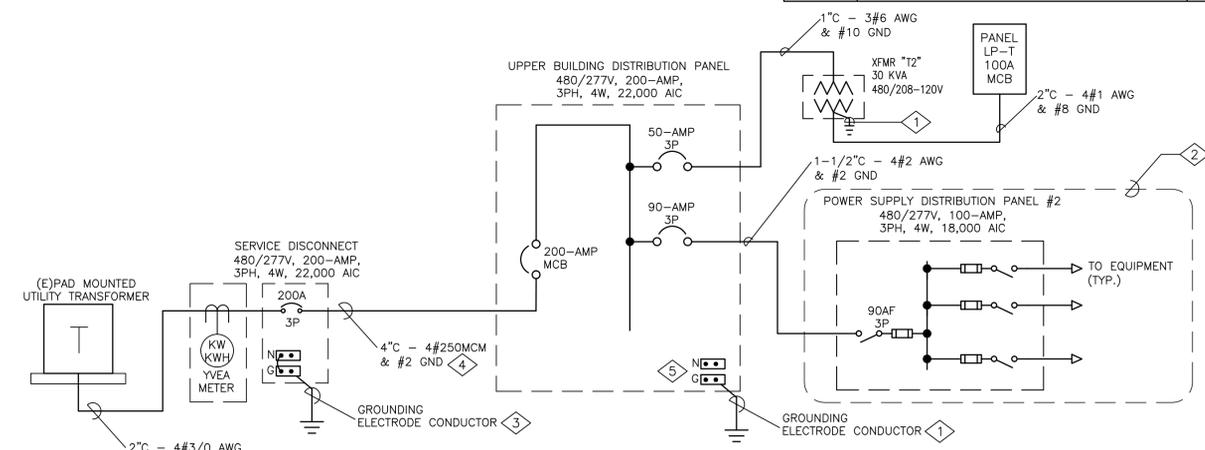
2 GROUND BAR WIRING DETAIL - BASE
NTS

SHEET LIST	
E1.0	SYMBOL LIST, SCHEDULES AND SINGLE LINE DIAGRAM
E1.1	PANEL SCHEDULES
E2.0	ELECTRICAL FLOOR PLANS
E3.0	SPECIFICATIONS

SYMBOLS	POWER SYMBOLS	NOTES
	MOTOR OUTLET	
	FUSED DISCONNECT SWITCH SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE	
	HEAVY DUTY NON-FUSED DISCONNECT SWITCH SWITCH XX/XX = AMP SWITCH/POLES	
	COMBINATION MOTOR STARTER	
	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD	
	STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS	
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS	
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS	
	JUNCTION BOX	
	SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET	

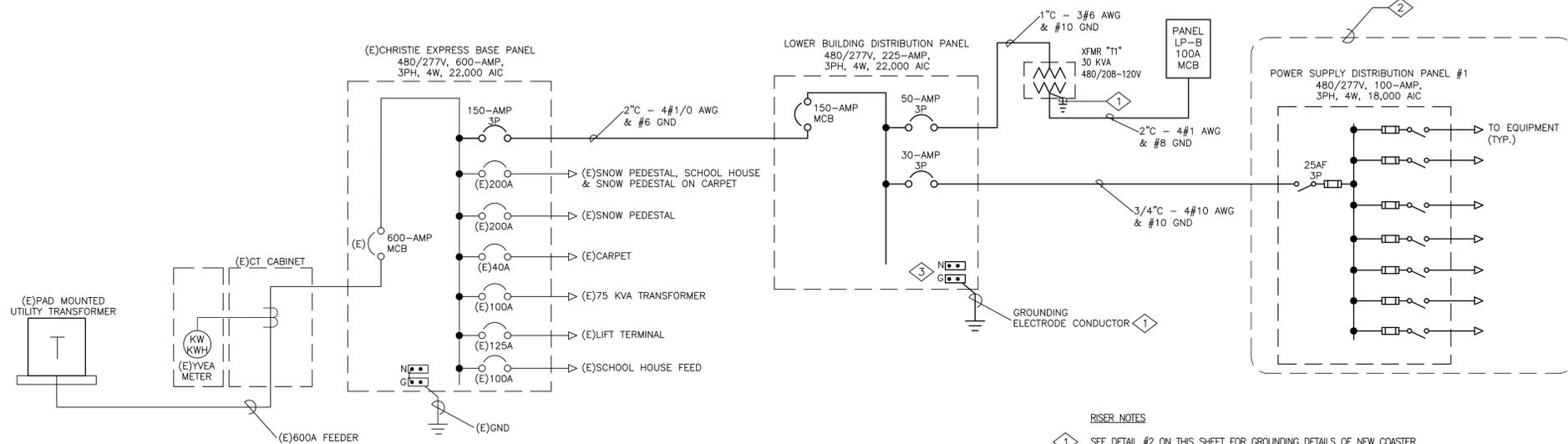
GENERAL NOTES	
1.	ALL WORK SHOWN IS NEW, UNLESS NOTED OTHERWISE.
2.	ALL WORK TO BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, 2014 EDITION.
3.	SEAL ALL CONDUIT PENETRATIONS OF FLOORS AND FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING.
4.	PROVIDE NEW TYPEWRITTEN DIRECTORIES REFLECTING WORK PERFORMED FOR ALL NEW PANELBOARDS IN THIS PROJECT.
5.	PLANS ARE PREPARED WITH REQUIRED BRANCH CIRCUITS INDICATED BY CIRCUIT NUMBERS. PROVIDE AND INSTALL ALL CONDUITS, CONDUCTORS, BOXES, MISCELLANEOUS FITTINGS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM (HOMERUN SHOWN). BRANCH CIRCUIT INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND N.E.C.
6.	ALL NEUTRAL CONDUCTORS ON POWER BRANCH CIRCUITING ROUNDHOUSES TO BE #10 AWG UNLESS NOTED OTHERWISE.

ABBREVIATIONS		NOTES
A, AMP	AMPERE	
AIC	AMPERE INTERRUPTING CAPACITY	
AF	FRAME RATING IN AMPERES	
AS	SWITCH RATING IN AMPERES	
AT	TRIP RATING IN AMPERES	
AWG	AMERICAN WIRE GAUGE	
C	CONDUIT	
CKT	CIRCUIT	
(E)	EXISTING TO REMAIN	
EC	EMPTY CONDUIT	
ELEC	ELECTRICAL	
EMT	ELECTRO METALLIC TUBING	
FA	FIRE ALARM	
G, GND	GROUND	
HP	HORSEPOWER	
MECH	MECHANICAL	
MCB	MAIN CIRCUIT BREAKER	
(N)	NEW EQUIPMENT OR DEVICE	
NEC	NATIONAL ELECTRIC CODE	
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	
NO	NORMALLY OPEN	
NTS	NOT TO SCALE	
Ø, PH	PHASE	
PNL	PANEL	
PVC	POLYVINYL CHLORIDE CONDUIT	
PWR	POWER	
RSC	RIGID STEEL CONDUIT	
(R)	RELOCATED EQUIPMENT	
TEL	TELEPHONE	
TYP	TYPICAL	
UON	UNLESS OTHERWISE NOTED	
V	VOLT	
VA	VOLT AMPERES	
W	WATT	
(X)	EXISTING TO BE DEMOLISHED	



- DIAGRAM NOTES**
- ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
 - BRING ANY DISCOVERED CODE VIOLATIONS TO THE OWNER'S ATTENTION.
 - ALL WIRING SHOWN IS SIZED FOR COPPER CONDUCTORS, UON.
- RISER NOTES**
- SEE DETAIL #4 ON THIS SHEET FOR GROUNDING DETAILS OF NEW COASTER EQUIPMENT.
 - POWER SUPPLY DISTRIBUTION BOARD #2 TO BE SUPPLIED BY COASTER VENDOR. VERIFY MAIN FUSE PROTECTION ON SITE MATCHES WHAT IS SHOWN ON DRAWINGS. NOTIFY DESIGN TEAM IF THERE IS A DIFFERENCE.
 - BOND NEUTRAL TO GROUND BUS AND THEN TO A GROUND BAR. PROVIDE GROUND ROD AT 3/4" X 8' (COPPER CLAD STEEL).
 - FEEDER UP-SIZED FOR VOLTAGE DROP.
 - DO NOT BOND NEUTRAL TO GROUND BAR AT SERVICE ENTRANCE TO UPPER TERMINAL BUILDING.

3 SINGLE LINE DIAGRAM - MID-STATION OF CHRISTIE EXPRESS



- DIAGRAM NOTES**
- ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
 - BRING ANY DISCOVERED CODE VIOLATIONS TO THE OWNER'S ATTENTION.
 - ALL WIRING SHOWN IS SIZED FOR COPPER CONDUCTORS, UON.
- RISER NOTES**
- SEE DETAIL #2 ON THIS SHEET FOR GROUNDING DETAILS OF NEW COASTER EQUIPMENT.
 - POWER SUPPLY DISTRIBUTION BOARD #1 TO BE SUPPLIED BY COASTER VENDOR. VERIFY MAIN FUSE PROTECTION ON SITE MATCHES WHAT IS SHOWN ON DRAWINGS. NOTIFY DESIGN TEAM IF THERE IS A DIFFERENCE.
 - DO NOT BOND NEUTRAL TO GROUND BAR AT SERVICE ENTRANCE TO LOWER TERMINAL BUILDING.

1 SINGLE LINE DIAGRAM - BASE OF CHRISTIE EXPRESS

SYMBOLS	WIRING DEVICE SYMBOLS
	20A, 125V, DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE
	SURFACE 20A, 125V, DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE
	20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE
	SURFACE 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" UNO
	SPECIAL PURPOSE RECEPTACLE OUTLET, +18" UNLESS NOTED OTHERWISE, NEMA CONFIGURATION AS NOTED ON PLANS
	SURFACE SPECIAL PURPOSE RECEPTACLE OUTLET, +18" UNLESS NOTED OTHERWISE, NEMA CONFIGURATION AS NOTED ON PLANS
	20A, 125V, DEDICATED DUPLEX RECEPTACLE OUTLET +18" UON
	DUPLEX OUTLET WITH GROUND FAULT INTERRUPTER
	CEILING MOUNTED 20A, 125V, DUPLEX RECEPTACLE OUTLET
	CEILING MOUNTED 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET
	SPST WALL SWITCH, LETTERS INDICATE THE NUMBER OF SWITCHES AND OUTLETS THEY CONTROL
	DIMMER SWITCH
	OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED

SYMBOLS	TELECOMMUNICATION
	COMBINATION (1) PORT TELEPHONE AND (1) PORT DATA OUTLET, +18" UNLESS NOTED OTHERWISE.

SYMBOLS	DESIGNATION SYMBOLS	NOTES
	FIXTURE DESIGNATION UPPER CASE LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCH LEG NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN).	
	LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)	
	NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)	

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Issue	By Date & Issue Description	By
-	PERMIT SET - 8.29.16	AW

Scale:
24x36 NTS
Description: LEGEND, SINGLE LINE DIAGS
Project Name: ALPINE COASTER
Project Number: 201658
Sheet No.
E1.0

TYPE	SYMBOL	DESCRIPTION	MANUFACTURER	ALTERNATE MANUFACTURER
F1		SURFACE LED FIXTURE	LITHONIA ZL1F-348-3000LM-MDD-MVOLT-35K-80CRI-WH	APPROVED EQUAL
F2		LED FLOODLIGHT	LITHONIA DSXF2-LED-4-A530/30K-MVOLT-THK-DMG-UBV-DOBXD	APPROVED EQUAL
F3		INDUSTRIAL LED STRIPLIGHT	LITHONIA XWLED	APPROVED EQUAL
F4		LED FLOODLIGHT	LITHONIA OLBF-8-305-DOB	APPROVED EQUAL
X1		EXIT SIGN WITH BATTERY BACKUP EGRESS LIGHTING	LITHONIA - COMBO EXIT SIGN LHQM-S-W-X-G-N	APPROVED EQUAL

SCHEDULE NOTES

- ALL LAMPS SHALL BE PROVIDED BY THE CONTRACTOR.
- CONTRACTOR TO SUBMIT FIXTURE TYPES TO OWNER AND ENGINEER PRIOR TO PURCHASE AND INSTALLATION.

3 LIGHTING FIXTURE SCHEDULE
NTS

MOUNTING SURFACE		PANEL LP-T												10,000 A.I.C. SYM			
208/120	VOLTS	3 PHASE	4 WIRE				MAIN				100 A				BUS 100 A		
VOLT AMPS			DESCRIPTION	R E C	L T C	O B G	C I R	C I R	B O R	O L T	R E G	DESCRIPTION	VOLT AMPS				
OA	OB	OC											OA	OB	OC		
348	720		LIGHTING									EUH-1	1000				
		1000	OPERATOR ROOM	4	1	20	3	B	4	-	-	-		1000			
			APPLIANCE		1	20	5	C	6	20	1	SPARE					
1000	540		RECEPTS	3	1	20	7	A	8	20	1	SPARE					
		360	RECEPTS	2	1	20	11	C	12			SPACE					
360			RECEPTS	2	1	20	13	A	14			SPACE					
			SPARE		1	20	15	B	16			SPACE					
			SPARE		1	20	17	C	18			SPACE					
			SPARE		1	20	19	A	20			SPACE					
			SPACE				21	B	22			SPACE					
			SPACE				23	C	24			SPACE					
			SPACE				25	A	26			SPACE					
			SPACE				27	B	28			SPACE					
			SPACE				29	C	30			SPACE					
			SPACE				31	A	32			SPACE					
			SPACE				33	B	34			SPACE					
			SPACE				35	C	36			SPACE					
			SPACE				37	A	38			SPACE					
			SPACE				39	B	40			SPACE					
			SPACE				41	C	42			SPACE					
1708	1260	1360	VA LINE									1000	1000				
OA =	2708		OB = 2260									OC =	1360				
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
UP TO 10 kVA 1980			xl.00= 1980														
348	xl.25=	435	RECEPTS	OTHER								4000	xl.00	4000			
REMAINDER			xl.50=														
TOTAL DESIGN KVA =			6			TOTAL DESIGN AMPS =						18					

1 PANEL SCHEDULES - TOP
NTS

MOUNTING SURFACE		PANEL LP-B												10,000 A.I.C. SYM			
208/120	VOLTS	3 PHASE	4 WIRE				MAIN				100 A				BUS 100 A		
VOLT AMPS			DESCRIPTION	R E C	L T C	O B G	C I R	C I R	B O R	O L T	R E G	DESCRIPTION	VOLT AMPS				
OA	OB	OC											OA	OB	OC		
540			LOFT RECEPTS	3	1	20	1	A	2	15	3	MINI GOLF PUMP	830				
	720		OPERATOR ROOM	4	1	20	3	B	4	-	-	-	830				
		830	LIGHTING		1	20	5	C	6	-	-	-		830			
1000			OPERATOR APP		1	30	7	A	8	20	3	MINI GOLF PUMP	1320				
	1000		OPERATOR APP		1	20	9	B	10	-	-	-	1320				
		720	RECEPTS	4	1	20	11	C	12	-	-	-	1320				
540			RECEPTS	3	1	20	13	A	14	15	1	BOILERS	540				
	1000		WORKBENCH		1	20	15	B	16	15	1	PUMP-1	528				
			WORKBENCH		1	20	17	C	18	15	1	PUMP-2	528				
1000			WORKBENCH		1	20	19	A	20	15	1	PUMP-3	528				
		540	RECEPTS	3	1	20	21	B	22	20	1	PUMP-4	1176				
		1000	FUTURE SITE LTG		1	20	23	C	24	20	1	PUMP-5	1176				
			SPARE		1	20	25	A	26	20	1	PUMP-6	1176				
			SPARE		1	20	27	B	28	20	1	PUMP-7	1176				
			SPARE		1	20	29	C	30	20	1	SPARE					
			SPACE				31	A	32	20	1	SPARE					
			SPACE				33	B	34	20	1	SPARE					
			SPACE				35	C	36			SPACE					
			SPACE				37	A	38			SPACE					
			SPACE				39	B	40			SPACE					
			SPACE				41	C	42			SPACE					
3080	3260	3553	VA LINE									4384	5030	3854			
OA =	7474		OB = 8290									OC =	7407				
CONTINUOUS LOADS			NON-CONTINUOUS LOADS														
UP TO 10 kVA 3060			xl.00= 3060														
1833	xl.25=	2291	RECEPTS	OTHER								18278	xl.00	18278			
REMAINDER			xl.50=														
TOTAL DESIGN KVA =			24			TOTAL DESIGN AMPS =						66					

2 PANEL SCHEDULES - BASE
NTS

MAIN SERVICE LOAD SUMMARY - UPPER BUILDING				
Load	kVA			A
	Cont	Rec	Other	
PANEL LP-T	.3	2.0	4.0	6.4
PANEL POWER SUPPLY 2			46.0	60.8
SubTotal	.3	2.0	50.0	52.4 kVA
25% of Largest Motor				14.8 kVA
Total				67.2 kVA
				80.8 Amps at 480 V
25% Growth/Spare				101.0 Amps at 480 V

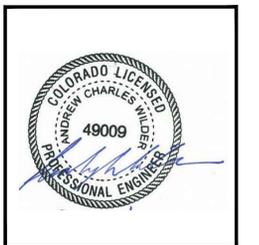
(E) MAIN SERVICE LOAD SUMMARY - CHRISTIE EXPRESS				
Load	kVA			A
	Cont	Rec	Other	
PANEL LP-B	1.8	3.1	18.3	23.6
PANEL POWER SUPPLY 1			9.0	9.8
(E) CARPET			16.6	16.6
(E) 75 KVA TRANSFORMER			50.0	50.0
(E) LIFT TERMINAL			20.8	20.8
(E) SCHOOL HOUSE FEED			50.0	50.0
(E) SNOW PEDESTAL			100.0	100.0
(E) SNOW PEDESTAL			100.0	100.0
SubTotal	1.8	3.1	364.7	370.0 kVA
25% of Largest Motor				0.8 kVA
Total				370.8 kVA
				446.1 Amps at 480 V

SSRC ALPINE COASTER
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STEAMBOAT SKI & RESORT CORP
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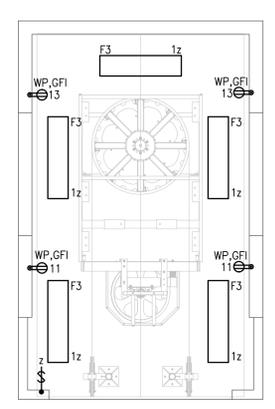


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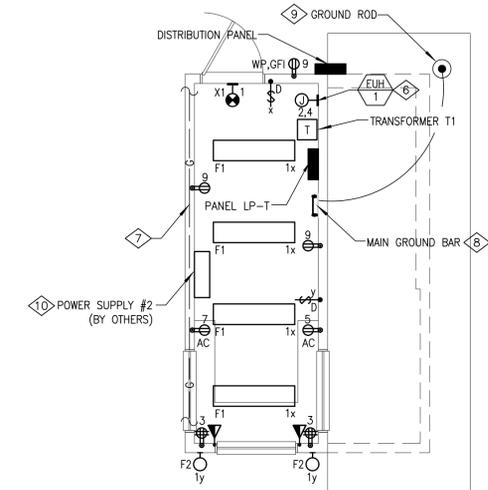
Scale:
24x36 NTS
Description: PANEL SCHEDULES
Project Name: ALPINE COASTER
Project Number: 201658
Sheet No.
E1.1

- BUILDINGS SHEET NOTES**
- 1 PROVIDE LABELS AT SWITCHES FOR LIGHTING AREAS CONTROLLED.
 - 2 STUB OUT POWER FOR FUTURE PATHWAY LIGHTING. VERIFY AND COORDINATE WITH SSRC DURING CONSTRUCTION.
 - 3 STUB OUT POWER FOR MINI-GOLF WATER PUMPS. VERIFY AND COORDINATE WITH SSRC DURING CONSTRUCTION.
 - 4 PUMPS SHOWN IN THIS LOCATION FOR CIRCUITING REQUIREMENTS. SEE NOTE 5 ON FLOOR PLAN FOR LOCATION OF PUMPS.
 - 5 LOCATION OF PUMPS, SEE MECHANICAL DRAWINGS FOR MORE INFORMATION.
 - 6 PROVIDE MECHANICAL UNIT WITH 1/2" C - 2#10 AWG & #10 GND.
 - 7 PROVIDE AT LEAST 20 FEET OF BARE COPPER EMBEDDED IN CONCRETE. ELECTRODE TO BE COVERED WITH A MINIMUM OF 2" OF CONCRETE. CONNECT ONE END TO MAIN GROUND BUS BAR.
 - 8 GROUND BAR, REFER TO SHEET E1.0 FOR MORE DETAIL.
 - 9 PROVIDE A 3/4" DIAMETER X 10' LONG COPPER CLAD STEEL GROUND ROD.
 - 10 VERIFY FINAL LOCATION OF COASTER EQUIPMENT WITH MANUFACTURER IN THE FIELD.

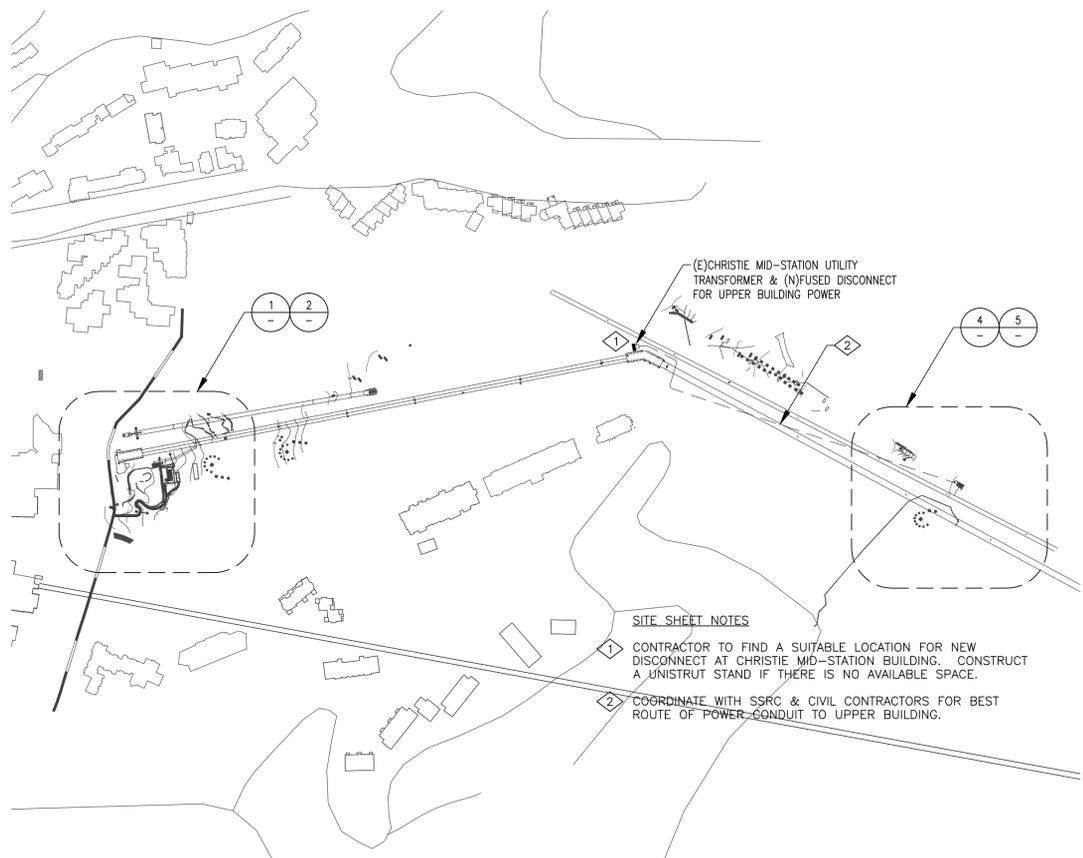
- BUILDINGS GENERAL NOTES**
1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
 2. ALL EQUIPMENT SHOWN IN THE LOWER BUILDING IS CONNECTED TO PANEL 'LP-B', UON.
 3. ALL EQUIPMENT SHOWN IN THE UPPER BUILDING IS CONNECTED TO PANEL 'LP-T', UON.
 4. PROVIDE TYPEWRITTEN DIRECTORIES REFLECTING ALL NEW WORK PERFORMED IN THIS PROJECT.
 5. ALL WIRE SHALL BE #12 AWG MIN., 90 DEG. °C IN 1/2" C - 2#12 AWG & #12 GND, UNLESS OTHERWISE NOTED.
 6. VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS IN THE FIELD.
 7. BRING ANY DISCOVERED CODE VIOLATIONS TO THE OWNER'S ATTENTION.
 8. CONFIRM LOCATIONS OF ALL LIGHT SWITCHES WITH THE ARCHITECT AND TENANT PRIOR TO INSTALLATION.
 9. FIRE ALARM CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW EXISTING DEVICES.



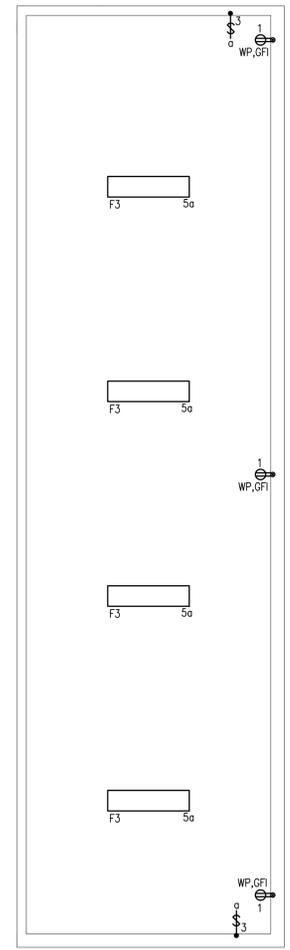
5 UPPER BUILDING MACHINE LEVEL PLAN
1/4"=1'-0"



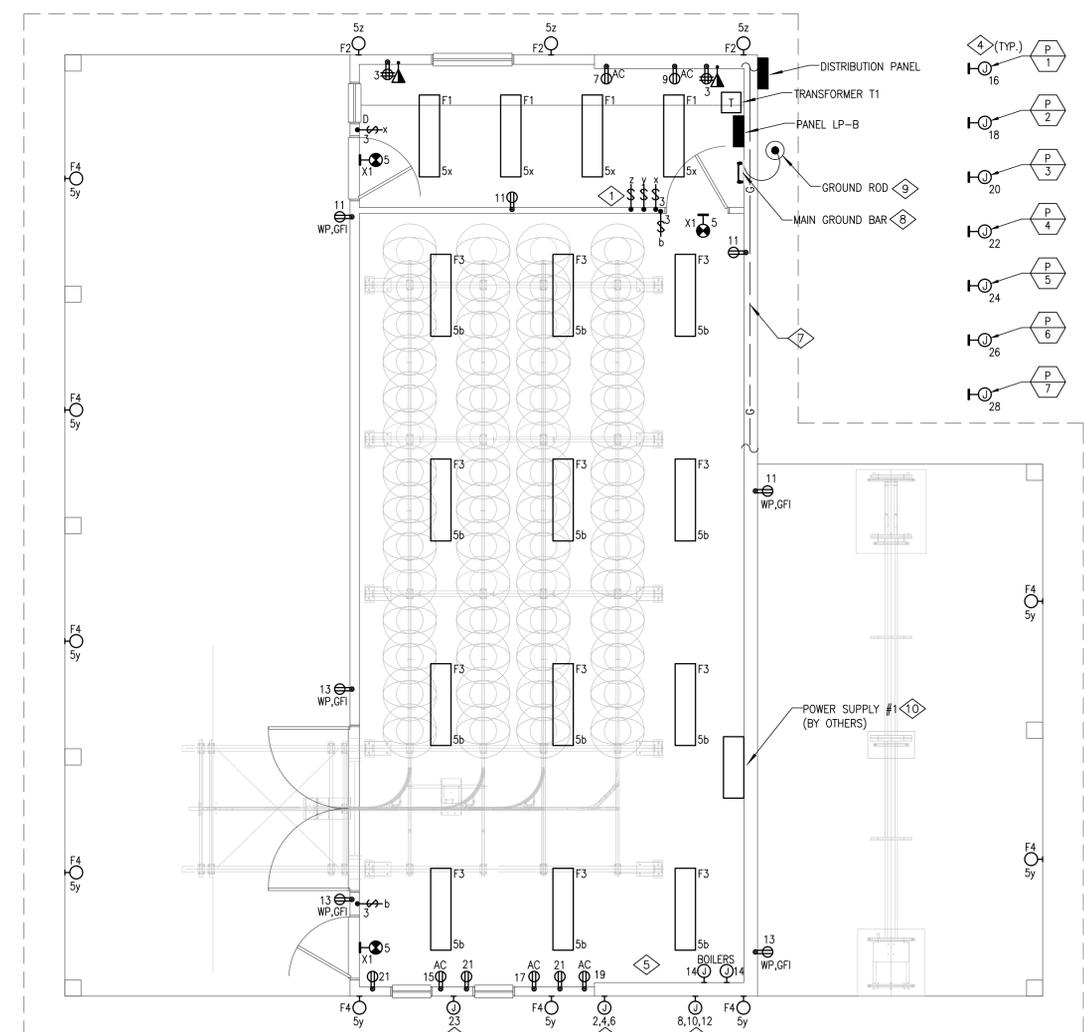
4 UPPER BUILDING MAIN LEVEL PLAN
1/4"=1'-0"



3 SITE PLAN
1"=240'-0"



2 LOWER BUILDING LOFT LEVEL PLAN
1/4"=1'-0"



1 LOWER BUILDING MAIN LEVEL PLAN
1/4"=1'-0"

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-	AW	PERMIT SET - 8.29.16	AW

Scale:
24x36 SEE DWG
Description: ELECTRICAL FLOOR PLANS
Project Name: ALPINE COASTER
Project Number: 201658

Sheet No.
E2.0

