# Bulletin Number - BP3 Promenade - Bulletin 08

G	e	n	S	le	r

Project	Steamboat	Base Village Red	develo	pment		<b>Date</b> 08/06/2	021
Project Location	Steamboat,	Colorado				Architect's Projec	t Number 03.7835.000
Owner/Client	Alterra Mou	ntain Company	/ East	West Partners		File 6BL This	s is page 1 of 2
То	Saunders Co	onstruction Inc.				Attention Bry	an Sculthorpe
Address	86 Invernes	s Place North					
City	Englewood						Zip 80112 Code
Delivered via:		Messenger		Hand carried		Facsimile	
Denvered via:		_				E-mail Address	
		-		UPS		Website Address	DIMOCO
		ман		UPS		Website Address	BIM360
This Bulletin Convey	s to Contractor	(Check one of the fo	llowing	five choices.):			
Architect's Author		or Changes to the Work as des	aribad h	a a la ur			
☐ Architect's Clarif	ication / Supple	emental Instructio	ns (Use	this Bulletin form in		Architect's Supplement	al Instructions form.)
Architect's Confi This confirms Arch Note: The above the	rmation of a Fie litect's verbal instr aree choices are e	<b>Id Order</b> (Use this ructions to (individuate ach subject to the fo	Bulletin al's nam llowing	wing supplemental in form in place of a F ne) on (date) terms: The change(s t change in Contract	ield Orde , a s), clarific	r form.) s described below. ation(s) and/or confirma	ation(s) described below
described herein. proposal. This is modifications.	itemized propos Submit proposal not a Change Ord	al for changes in t within day	he Con ' <b>s</b> or no	tract Sum and/or Totify the Architect in	Time for writing	proposed modifications of the date on which y	s to the Contract Documents ou anticipate submitting your ork described in the proposed
Other: As describe							
Attachments	В	P3 Promenade -	- Bulle	etin 08			
Requested by	-						
Architect _		Contractor		ther (specify):	_		
Issued by Gensler b		uan Padilla				Date Signed	08/06/2021
Issued by Owner by			_			Date Signed	
Required; Please		y to Gensler	∐ N	ot Required			
Accepted by Contrac	=					Date Signed	
Required; Please		•		ot Required			
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		like Schmidt		hn Albright			
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Prepared by Gensler	· <b>by</b> ]լ	uan Padilla				Date Signed	08/06/2021
Instructions / Descr	ription / Referer	ices / Dates					
Description of	Changes						

1225 17th Street Suite 150 Denver CO 80202

### **Description of Changes.**

#### General:

This bulletin addresses the following:

Updated Promenade and Plaza building plans for updated architectural layouts.

### **Mechanical Drawing Changes:**

- 1. 1A-M1.100
  - a. Revised sheet metal and piping layout throughout Promenade level.
- 2. 1A-M1.200
  - a. Revised sheet metal and piping layout throughout Promenade level.
  - b. Revised stage exhaust including exhaust ductwork and EAV box to Promenade ERV.
- 3. 1A-M1.201
  - a. Revised Plaza Level 1 layout including updated louver configuration, sheet metal pathway, and piping pathway.
- 4. 1A-M1.202
  - a. Revised Plaza Level 2 layout including updated louver configuration, sheet metal pathway, and piping
  - b. Chiller moved up to Level 2 mechanical yard.
- 5. 1A-M1.300
  - a. Revised ice plant skid location and revised pipe routing.
- 6. 1A-M1.301
  - a. Revised refrigerant skid vent riser location.
- 7. 1A-M1.302
  - a. Heat rejection moved up to Level 2 mechanical vard.
  - b. Revised refrigerant skid vent riser location.
- 8. 1A-M1.400
  - a. Revised mechanical room layout including relocated equipment and controls.
  - b. Revised sheet metal above Zamboni pit.
- 9. 1A-M5.001
  - a. Revised sheet metal riser configuration including revised louver configuration at Plaza Level 2.
  - b. Revised sheet metal routing at Promenade Level.
- 10. 1A-M7.004
  - Updated energy meter schedule to match revised electrical one-line.
  - b. Added integration of existing stage toilet makeup air fans with Promenade level ERV and associated EAV box.
- 11. 1A-MD1.200
  - a. Drawing added to show demolition of existing stage exhaust fan. Stage exhaust now routed through Promenade ERV. Stage makeup air fans to remain un-changed from existing configuration.
- 12. 1A-MEP0.001
  - a. Updated ice plant supply air reheat coil parameters.
- 13. 1A-MEP0.002
  - a. Revised ice plant supply and exhaust minimum airflows.
  - b. Updated ice plant refrigerant calculations for increased room size.
  - c. Added EAV box for stage toilet room exhaust.
  - d. Revised louver schedule.
  - e. Added gravity vent schedule.

### **Plumbing Drawing Changes:**

- 14. 1A-P1.200
  - a. Updated language in callout for area's that are not in contract.
  - b. Updated domestic cold-water distribution to Plaza Dishwashing and Prep Kitchen spaces.
  - c. Updated domestic cold-water routing to WH-1.
  - d. Updated routing of all piping up to plaza level.
  - e. Updated Zamboni Garage drainage piping.

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#### 15. 1A-P1.201

- a. Updated language in callout for area's that are not in contract.
- b. Updated locations of piping from below.

### **Electrical Drawing Changes:**

#### 16. 1A-E0.000

- a. Modified electrical connection for 50 Amp connection on plaza pedestals.
- b. Modified TV symbol note/explanation to clarify device is to be located behind TV.

### 17. 1A-E0.001

- a. Added Keynote 17 and 18 for additional clarity on future phase 2 scope items.
- b. Modified feeder table to include Aluminum VE approved per Owner VE meetings.
- c. Relocated electrical equipment connections per plaza and promenade building redesign.
- d. Added additional clarity to keynote 8 and feeders/equipment indicated to be included in phase 2 of this project in lieu of phase 1.
- e. Modified grounding riser based on electrical room reconfigurations.
- f. Added electrical connection for elevator 2 to be installed in phase 2.

### 18. 1A-E0.002

- a. Added light fixture type L5 for clarity on light fixture type to be specified on lighting plans.
- b. Modified lighting controls matrix to align with design intent and conversations with lighting controls rep.

### 19. 1A-E0.003

a. Modified electrical branch circuiting per modifications to promenade and plaza building as required.

### 20. 1A-E0.004

a. Modified electrical branch circuiting per modifications to promenade and plaza building as required.

#### 21. 1A-E1.000

- a. Modified circuiting for pedestal electrical connections to be 50A/2P in lieu of 50A/3P.
- b. Modified circuiting to align with site lighting changes.
- c. Added Site receptacle for added trees adjacent to stage building.

### 22. 1A-E1.101

a. Added conduit routing for future phase 2 POD-5 and POD-6 panels.

### 23. 1A-E1.102

a. Added conduit routing for future phase 2 POD-5 and POD-6 panels.

### 24. 1A-E1.200

- a. Modified electrical device layout, fire alarm device layout, and branch circuiting per plaza and promenade building redesign.
- b. Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

### 25. 1A-E1.201

- a. Modified electrical device layout, fire alarm device layout, and branch circuiting per plaza and promenade building redesign.
- b. Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

### 26. 1A-E1.202

- a. Modified electrical device layout, fire alarm device layout, and branch circuiting per plaza and promenade building redesign.
- b. Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

### 27. 1A-E1.300

- a. Modified lighting fixture layout, lighting control device layout, and branch circuiting per plaza and promenade building redesign.
- b. Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

### 28. 1A-E1.301

- a. Modified lighting fixture layout, lighting control device layout, and branch circuiting per plaza and promenade building redesign.
- b. Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

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#### 29. 1A-E1.302

- a. Modified lighting fixture layout, lighting control device layout, and branch circuiting per plaza and promenade building redesign.
- Modified scope in gray hatch for clarity. Per conversations with Architect, any and all scope behind the gray hatch is not included in phase 1 scope of work in the field.

### 30. 1A-E1.400

a. Modified electrical equipment layout in electrical rooms to include ground bus and lighting control panels in respective rooms.

### 31. 1A-E1.401

a. Fixed graphic issues where equipment in the promenade building was indicated on this sheet.

#### 32. 1A-E1.500

- a. Modified lighting controls hatch plans to align with building redesign and wall relocations.
- b. Modified lighting controls matrix to align with design intent and conversations with lighting controls

### 33. 1A-E1.501

- a. Modified lighting controls hatch plans to align with building redesign and wall relocations.
- b. Modified lighting controls matrix to align with design intent and conversations with lighting controls

### 34. 1A-E8.002

a. Modified plaza details for added clarity to design intent of plaza pedestals and fire pit EPO buttons.

### **Technology Drawing Changes:**

### 35. 1A-T1.200

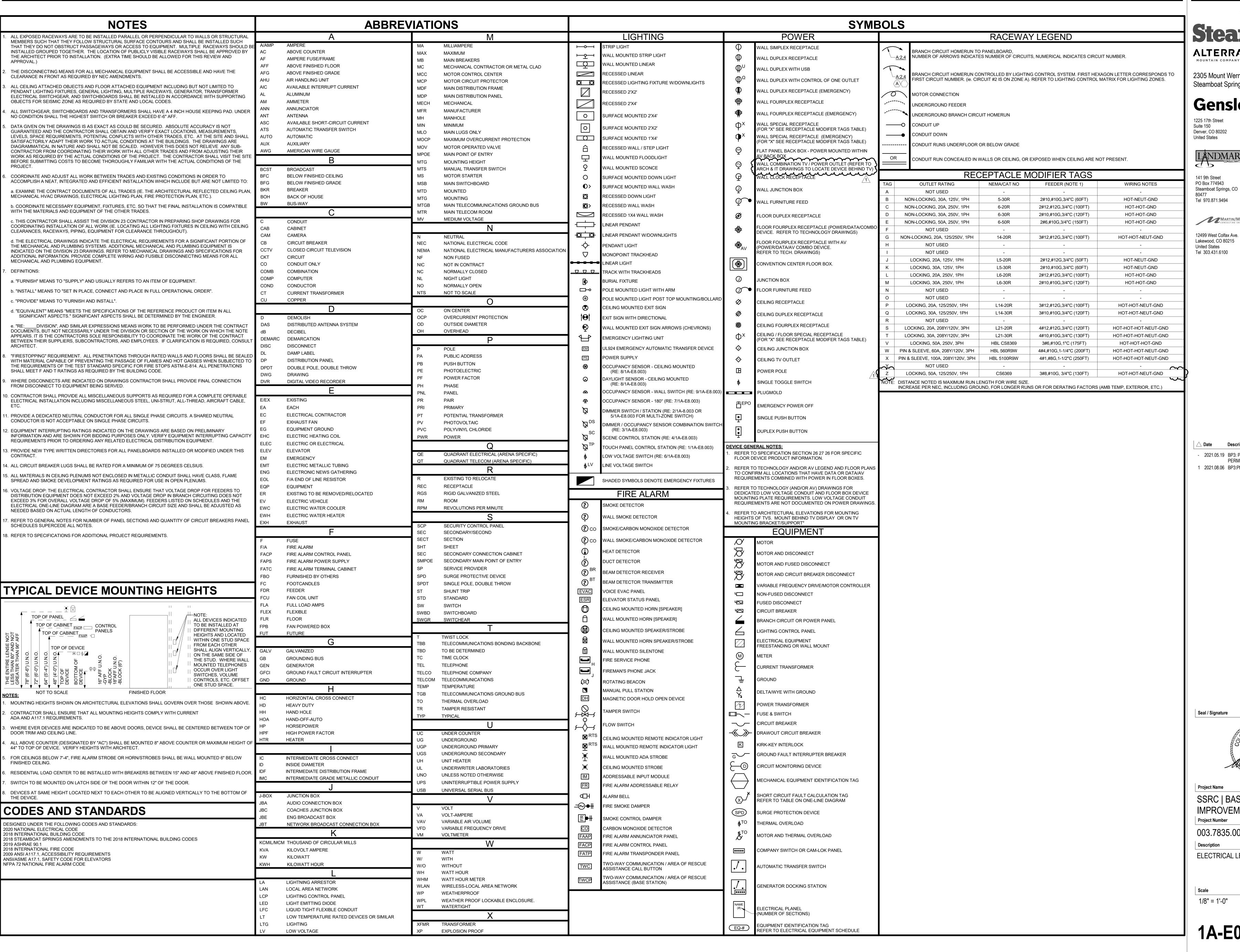
- a. Adjusted controlled door, card reader, and data locations to match architectural background update.
- b. Added (1) Elevator Data for new elevator cab.
- c. Removed (1) data/2 from old Plaza Dishwashing 105 location.
- d. Removed (1) card reader and associated electrified hardware from door P.011A since it no longer exists.
- e. Added (1) card reader and associated electrified hardware to door P.006.
- Relocated (2) 2" Conduit riser.

### 36. 1A-T1.201

- a. Adjusted door monitor and data locations to match architectural background update.
- b. Removed (1) door monitor from removed retractable door.
- c. Relocated (2) 2" Conduit riser.

### 37. 1A-T1.202

- a. Relocated (2) 2" Conduit riser.
- b. Relocated telecom rack and associated cross connects.



**ALTERRA** east west partners

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2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND 1 2021.08.06 BP3:PROMENADE - BULLETIN 08



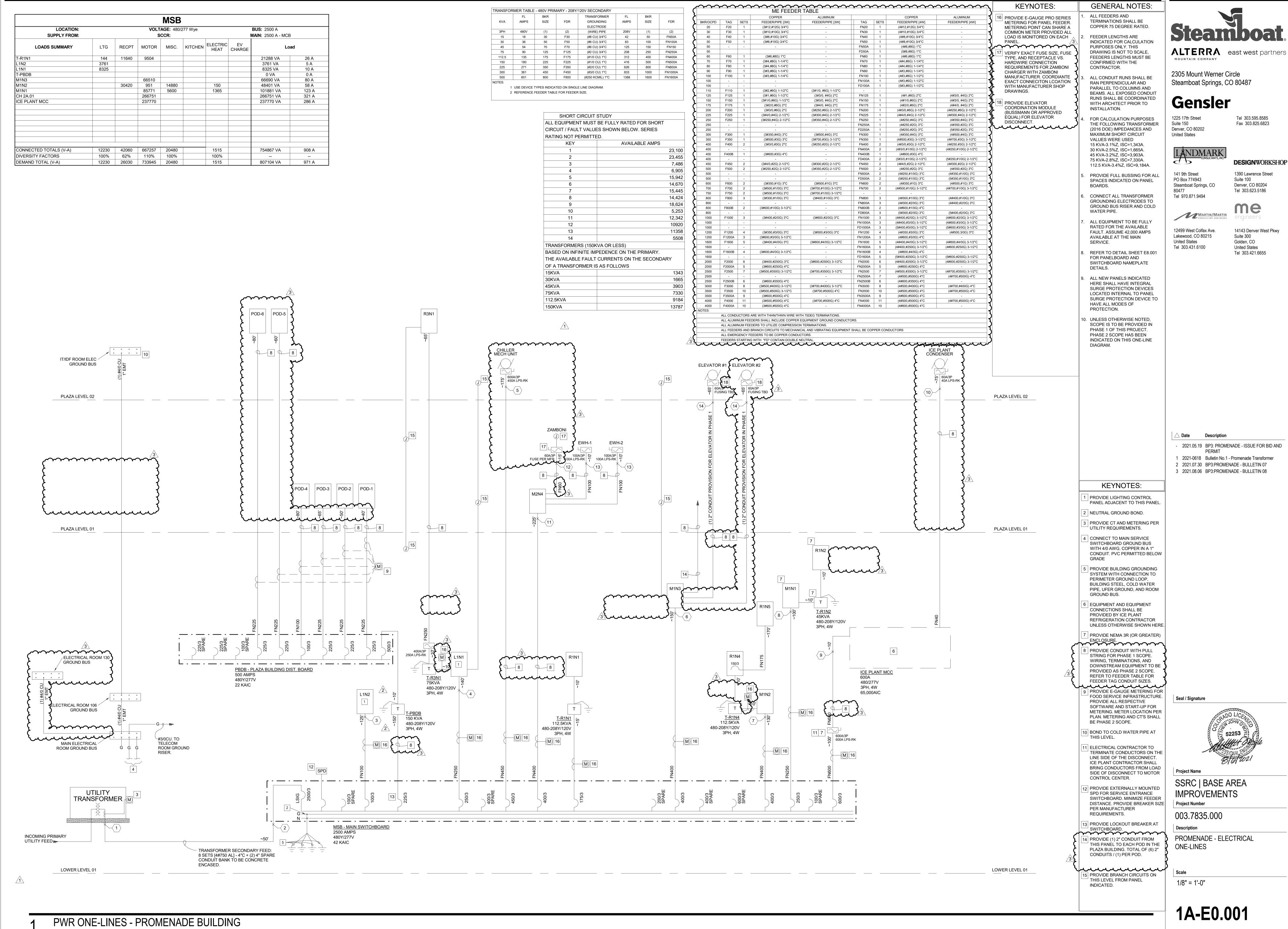
**IMPROVEMENTS Project Number** 

003.7835.000

ELECTRICAL LEGEND

1/8" = 1'-0"

1A-E0.000



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P.S.2	F1 & F2 POLE LIGHTS AT STAGE	Х	X	-	-	X	-	-						
P.S.3	F7 POLE LIGHTS (ONLY) AT ICE RINK	X	X	-	-	X	-	-						
P.S.4	F7 GIMBLE AIMABLE LIGHTS (ONLY) AT ICE RINK	Х	X	-	-	X	-	X						
P.S.5	F7 GIMBLE AIMABLE LIGHTS (ONLY) AT ICE RINK	Х	X	-	-	X	-	X						
P.S.6	F8 TREE LIGHTING AT PLAZA PLANTERS	Х	X	-	-	X	-	-						
P.S.7	F8 TREE LIGHTING AT EAST LOWER PROMEANDE	X	X	-	-	X	-	-						
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P.S.11	PLAZA FIRE PIT	-	-	-	-	X	-	-						
P.S.12	PLAZA FIRE BOWLS	-	-	-	-	X	-	-						
P.S.13	PLAZA TREE RECEPTACLES FOR HOLIDAY LIGHTING	-	-	-	-	X	-	-						
P.S.14	DUPLEX RECEPTACLES WITHIN POLE BASE	-	-	-	-	X	-	-						
P.S.15	PLAZA SIGNAGE	-	-	-	-	X	-	-						
P.S.16	PLAZA SIGNAGE	-	-	-	-	X	-	-						
P.S.17	PLAZA SIGNAGE	-	-	-	-	X	-	-						
P.S.18	PLAZA SIGNAGE	-	-	-	-	Х	-	-						

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P.00.9 P.00.10  LEVI THE FOLLOWIN OW VOLTAGE THE BELOW CO PRESCRIPTIVE IN MINIMUM RECO SYMBOL  P.02.1 P.02.2 P.02.3 P.02.4 P.02.5	OVERRIDE SWONTROLS ARE IN PATH. REFER TO SPACE TYPE	LINES AREAS OF ZONING FOR AMBIENT LIGHTIN ITCHES SHALL BE PROVIDED FOR EACH ZONE AS NDICATED FOR ENERGY COMPLIANCE USING AS D LIGHTING PLANS FOR ADDITIONAL CONTROL ID BUILDING OPERATION MAY GOVERN THE AD PE DESCRIPTION  DE/PLAZA  STAIRS	SINDICATED (SHRAE 90.1 - 2) DEVICES. THIS DITION OF CO  DL	SYSTEDN PLEON PLEO	M. ANS. AS TH TRIX COLS. NTRC OS	E DUTL VS	YPE TC	- X		MAINTENANCE	EVENT	WEEKDAY	SAN	S USER DEFINED 01	

	P.02.4		-	-	-	-	-	-							
	P.02.5		-	-	-	-	-	-							
	LEVE	L 01 LIGHTING CONTROL SCHEDULE - STEAMBOAT	BA	SE A	<b>NRE</b>	<b>A</b> - I	PR(	DME	NADE A	ND P	LAZ	4 BU	ILDIN	1G	
	THE FOLLOWING	G CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONT	ROL:	SYSTE	M.							SCE	NES		
	LOW VOLTAGE	OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATION.	ΓED (	ON PL	ANS.										
	THE BELOW CO	NTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING ASHRAE 90	.1 - 2	2016 A	S TH	E									
	PRESCRIPTIVE PA	ATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES.	THIS	MAT	RIX (	DUTL	INES			ш				01	0 0
	MINIMUM REQU	URIEMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION (	OF CC	ONTRO	DLS.					NC.				DEFINED	DEFINED
	SYMBOL	SPACE TYPE DESCRIPTION		CON	ITRO	DL T	YPE			MAINTENA		¥	9		E
			DL	DIM	os	VS	TC	LS		<u> </u>	Z	WEEKDAY	WEEKEND		
										Σ	EVENT	WE	WE	USER	USER
^	LEVEL 01-F	ROMENADE/PLAZA											$\sim$	~~	~~
1\{	P.01.1	STAIRS	-	-	-	-	Х	-							
	P.01.2	MEP ROOMS	-	-	-	-	-	Х					<u> </u>	~~	~
	P.01.3		-	-	-	-	-	-							
	P.01.4		_	_	_	_	_	_							

LOW VOLTAGE (	OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICA													
THE BELOW CO	NTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING ASHRAE 90	).1 - 2	016 A	S THE	Ξ									
PRESCRIPTIVE PA	ATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES	. THIS	MAT	RIX O	UTLI	NES			<u>щ</u>				0 01	0 02
MINIMUM REQI	JRIEMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION (	OF CC	NTRO	DLS.					MAINTENANCE				NED I	NED
SYMBOL	SPACE TYPE DESCRIPTION	TYPE DESCRIPTION CONTROL TYPE DL DIM OS VS T									ΑΥ	N P	DEFI	田田
		DL	DIM	os	vs	TC	LS		E	ENT	WEEKD/	NEEKEND		ER D
									ΜA	EVE	WE	WE	USER	USE
LEYEL 01-F	ROMENADE/PLAZA											$\sim$	~~	$\sim$
P.01.1	STAIRS	_	_	-	_	Х	_						` `	
P.01.2	MEP ROOMS	-	-	-	-	-	Х					~~	<u> </u>	
P.01.2 P.01.3	MEP ROOMS	-	-	-	-	-	X -					~~·		
P.01.2	MEP ROOMS		-		-	-	- -					<u>س</u>		
P.01.2 P.01.3	MEP ROOMS	- - -		- - -	-	- - -	- -							
P.01.2 P.01.3 P.01.4	MEP ROOMS					- - -	-							

LEGEND

**DL** = DAYLIGHT CONTROLLED WITH AUTOMATIC TIME CLOCK AND PHOTOCELL

**DIM** = DIMMING CONTROLS (CONTROL QUANTITY, ZONING, AND TYPE PER PLAN)

**OS** = OCCUPANCY SENSOR (AUTOMATIC ON TO 100%) **VS** = VACANCY SENSOR (MANUAL ON)

TC = AUTOMATIC TIME CLOCK WITH LOW VOLTAGE OVERRIDE (SWITCH OR OCC. SENSOR PER PLAN)

**LS** = LOW VOLTAGE SWITCH (ON/OFF ONLY) **DX** = DMX ADDRESSABLE FIXTURE. VERIFY WITH SPECIFIC FIXTURE SPEC FOR FIXTURE ADDRESS QUANTITY AND EM OVERRIDE REQUIREMENTS.

CONDITIONS PER PLAN DRAWINGS

1. REFER TO LIGHTING DRAWINGS FOR OCCUPANCY/VACANCY SENSOR SPACES. PROVIDE QUANTITY

AS REQURIED FOR FULL COVERAGE OF ALL SPACES.

2. PROVIDE ADDITIONAL RELAYS AS REQURIED FOR AUTOMATIC RECEPTACLE CONTROL AS INDICATED

ON ELECTRICAL DRAWINGS FOR ALL PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS.

D											
Type Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
L1 42W LED, 3000 LUMENS PER	LED STRIPLIGHT WITH DIFFUSE LENS, PROVIDE SURFACE OR PENDANT MOUNT SUPPORTS PER	WHITE	Voltage 120-277	PENDANT TO 10 FT. AFF	LITHONIA	Catalog Number CLX-L48-3000LM-	COOPER METALUX	DAYBRITE FSS	ON/OFF	MEP, STORAGE	PROVIDE ADDITIONAL QUANTITY OF
4 FEET OF FIXTURE, 3500K,	MOUNTING HEIGHT					SEF-FDL	SNLED SERIES	LED SERIES			COMPLETE LIGHT FIXTURE, WITH A
80+ CRI, 50,000+ HOURS											QTY OF 0.25% OF TOTAL QTY AND A
											MIN. QTY OF 2 FIXTURES.
L2 15 WATT LED, 600 LUMENS,	WALL MOUNTED LED 'JELLY JAR' STYLE LIGHT FIXTURE WITH METAL GUARDING AROUND	STANDARD	MVOLT	WALL	LITHONIA	OLVTWM-	APPROVED	APPROVED	ON/OFF	GENERATOR YARD	
4000K,	FIXTURE LENSING /LIGHT SOURCE. LOW PROFILE, VAPOR TIGHT, LED LIGHT SOURCE.						ALTERNATE	ALTERNATE			
L3	NOT USED										
L3A	NOT USED										
L4 23W LED, 1800+ DELIVERED	4" DIAMETER RECESSED FIXED DOWNLIGHT, 73 DEGREE WIDE BEAM DISTRIBUTION, MATTE-	STANDARD, TO BE	120-277	RECESSED	GOTHAM	EVO4-35/20-AR-	COOPER	SIGNIFY	0-10V DIMMING	CORRIDORS	PROVIDE ADDITIONAL QUANTITY OF
LUMENS, 3500K, 80+ CRI,	DIFFUSE REFLECTOR, 6-9/16" TALL NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	CONFIRMED WITH				WD-LD-MVOLT-	PORTFOLIO	CALCULITE			COMPLETE LIGHT FIXTURE, WITH A
50000 HOURS		ARCHITECT				GZ10	SERIES	SERIES			QTY OF 0.25% OF TOTAL QTY AND A
											MIN. QTY OF 2 FIXTURES.
L4A	NOT USED										
~~~~	NOT USED										$\sim$
L5 20W, 2000 LUMENS, 3500K,	4" DIAMETER CYLINDER DOWNLIGHT, 65 DEGREE WIDE BEAM DISTRIBUTION, MATTE-DIFFUSE	WHITE (VERIFY WITH	120-277	PENDANT	GOTHAM	EVO4CC-35/20-	COOPER	SIGNIFY	ELV / 0-10V DIMMING	CORRIDORS	
85 CRI, 50,000 HOURS	REFLECTOR, 6-9/16" TALL NEW CONSTRUCTION HOUSING, INTEGRAL DRIVER.	ARCH)				AR-LD-MVOLT-	PORTFOLIO	CALCULITE			
						GZ10	SERIES	SERIES			
Market Company	NOT USED										
L6	NOT USED										
L6A 9W/FT, 1250 LUMENS PER	3.44" WIDE X 2.72" DEEP LED STRIPLIGHT WITH DIFFUSE LENS. PROVIDE SURFACE OR	WHITE, VERIFY WITH	120-277	WALL	LITHONIA	CLX L24 2500LM	COOPER METALUX	DAYBRITE FSS	0-10V DIMMING	STAIRS/	
FOOT, 3500K, 80+ CRI, 50, 000+ HOURS	PENDANT MOUNT SUPPORTS PER MOUNTING HEIGHT. LENGTH PER PLAN	ARCHITECT				SEF FDL	SNLED SERIES	LED SERIES		CORRIDORS	
L6B	NOT USED										

**EQUIPMENT** 

ID

EQ-1

EQ-10

**EQUIPMENT NAME** 

OVERHEAD DOOR OPENER

ADA DOOR OPENER

ELECTRICAL EQUIPMENT CONNECTION SCHEDULE

DISCONNECT

30A/1P

30A/1P

**FUSE** 

FUSE PER MFG

CONDUIT

3/4"

3/4"

COMMENTS

**FEEDER** 

2 #12 & #12 GND

2 #12 & #12 GND

HP (VA) VOLTAGE PHASE FLA

3/4 960 120 V 1 8 A

1 14 A

3/4 1656 120 V

E FAÇADE											
Type Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
S1 5903 LUMENS, 55W, 3000K,	SIMILAR TO F1, EXCEPT WALL MOUNTED	BLACK (VERIFY WITH	120/277V	WALL	WE-EF	ASP534 LED655-	APPROVED	APPROVED	0-10V DIMMING		ARM MOUNTED
80 CRI		ARCH)				3526	ALTERNATE	ALTERNATE			
S2 7.7W, 807 LUMENS, 3000K,	10.31" WIDE X 9.06" TALL X 4.52" DEEP RECESSED STEP LIGHT WITH TEMPERED GLASS	GREY METALLIC	120-277V	RECESSED	WE-EF	QRI 354 LED -	APPROVED	APPROVED	ON/OFF	STEPS	
80 CRI	LENS. ASSYMETRIC THROW. WET LOCATION RATED.	(VERIFY WITH				616 1321	ALTERNATE	ALTERNATE			
		ARCHITECT)									
S3 8W, 1080 LUMENS, 2700K,	3.8" DIAMETER SEMI-RECESSED LUMINAIRE WITH BLADE OPTICS FOR VERY TIGHT BEAM	STAINLESS STEEL	120-277V	RECESSED	INTER-LUX	E84316-M	APPROVED	APPROVED	0-10V DIMMING	ESCALATOR	
80 CRI	CONTROL. FIXTURE SHALL BE WET RATED FOR INSTALLATION WITHIN STONE WALL.						ALTERNATE	ALTERNATE		CANOPY	
-	·	<u>'</u>	+		1	<u>'</u>	,		1		
IERGENCY											
Type Lamp	Description	Finish	Voltage	Mounting	Manufacturer	Catalog Number	Alternate 1	Alternate 2	Control	Location	Comments
X1 5W LED GREEN/RED	EDGE LIT EXIT SIGN, PROVIDE WHITE OR MIRROR BACKING BETWEEN PANELS - TBD,	BRUSHED ALUMINUM	277	UNIVERSAL	LITHONIA	LRP SERIES	COOPER	SIGNIFY		PREMIUM AREAS	VERIFY LETTER & BACKGROUND
	MOUNTING AND ARROWS, SINGLE OR DOUBLE FACE, WITH UNIVERSAL MOUNTING FOR ALL										COLOR WITH LOCAL AHJ

Stear	nboat
ALTERRA MOUNTAIN COMPANY	east west partners

2305 Mount Werner Circle Steamboat Springs, CO 80487

# Gensler

1225 17th Street Suite 150 Denver, CO 80202 United States

Tel 303.595.8585 Fax 303.825.6823

141 9th Street PO Box 774943 Steamboat Springs, CO 80477 Tel 970.871.9494

MARTIN/MARTIN CONSULTING ENGINEERS 14143 Denver West Pkwy

Lakewood, CO 80215 United States Tel 303.431.6100

Suite 300 Golden, CO United States Tel 303.421.6655

**DESIGNWORKSHOP** 

1390 Lawrence Street

Suite 100 Denver, CO 80204 Tel 303.623.5186

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

1 2021.08.06 BP3:PROMENADE - BULLETIN 08

Seal / Signature



SSRC | BASE AREA **IMPROVEMENTS** Project Number

003.7835.000

ELECTRICAL CONNECTION AND LIGHTING SCHEDULES

1/8" = 1'-0"

1A-E0.002

Stea	ambo	at Base \	Village R	edevelopmo	ent				ME	: Engi	neers	s Inc.					PANEL	.: <b>L1N1</b>	
			480/277 W							250 A							ENCLOSURE	Type 1	
		3 Phas	se, 4 Wire + 0	Gnd. 60Hz.					MAINS:	MLO							MOUNTING	•	
			SCCR:					GROU	ND BAR:	Coppe							FED FROM		
OTE	S:									OPTIO							LEVEL	: LOWER LEVEL B02 - PUBLIC	FFI
																	LOCATION	I:	
																	ISSUE DATE	12/17/2020	
																		PECIFICATION SECTION FOR D PLAQUE REQUIREMENTS.	
N		DI	ESCRIPTION		Р	OCI	СКТ		A		В		;	СКТ	ОСР			SCRIPTION	
											_								
			T-R3N1		3	125	_	800	1648					2	20	1		MECH/ICE, DISHWASHING LTG	
-							3			800	1604		400	4	20	-		KEG ROOM, FOOD STORAGE LTO	G
-							5					0	120	6	20	1		ARD STUMBLE LIGHTING	
E		LTG WATER ENTRY, MAIN ELEC, VEST. 100 M LTG IDF/IT RM 90 & 91 & CORRIDOR 114 (1				20	7	344	336	0=0				8	20	1	EM LTG FOOD PRI	EP AND STORAGE (1X INV)	$\perp$
_	EM LTG	1 LTG IDF/IT RM 90 & 91 & CORRIDOR 114 (1) EM LTG FOOD STORAGE (X2 INV)			1	20	9			378	0	E 40		10	20	1		SPARE	+
				<u> </u>	1	20	11	400				546	0	12	20	1		SPARE	+
		EM LTG ERV1 & ERV 2 (X1 INV)				20	13	420	0	400				14	20	1		SPARE	
	E	EM LTG ELEC 106 & CORRIDOR (2X INV) EM LTG MECH ICE PLANT (1X INV)				20	15			468	0	400		16	20	1		SPARE	
-					1	20	17	040				420	0	18	20	1		SPARE	
- 1	EIVI L I G F			TRASH 103 (1X INV	7) 1	20	19	210	0	040				20	20	1		SPARE	_
			STAIR 109 (1)	<u> </u>	1	20	21			216	0	15	0	22	20	1		SPARE	+
		XIT SIGNS W		NG (TX INV)	1	20	23					15	0	24	20	1		SPARE	
			SPARE SPARE		1	20	25	0	0		0			26	20	1		SPARE	
			SPARE		1	20	27			0	0	0	0	28 30	20	1		SPARE SPARE	+
			SPARE		1	20	29 31	0	0			0	0		20	1		SPARE	+
			SPARE		1	20	33	U	U	0	0			32 34	20	1		SPARE	
			SPARE		1	20	35			0	U	0	0	36	20	1		SPARE	
			SPARE		1	20	37	0	0			0	U	38	20	1		SPARE	+
			SPARE		1	20	39	0	0	0	0			40	20	1		SPARE	
			SPARE		1	20	41			-	"	0	0	42	20	1		SPARE	
ER P	PHASE V	A WITH DOW		ADS		20		SUMI	│ MARY W	TH DOV	 VNSTRE	_				' '		OI AILE	
	ASE	<u>A</u>	<u>B</u>		TOT	ALS		CATEG			NNECTE		FACT			CA	LC. V-A	AMPS @ 480/277 Wye	
	ALC	3758	3466	1101	832	25	LIGH	TING			8325		100	%			8325	10	
CNN	NCTD	3758	3466	1101	832	25	REC	EPTAC	LE										
NOO	NSTREAM	I FEED THRO	UGH LUG PA	NELS			МОТ	OR											
	NSTREAM FEED THROUGH LUG PANELS						MISC	ELLAN	IEOUS										
							KITC	HEN											
OND	UCTOR (	COLORS (EC	TO LABEL IN	PANEL)			ELE	CTRIC I	HEAT										
			<u>//120</u>	480Y/2			EV C	HARGI	NG										
4	<u>A</u>		ACK	BROW	N														
	<u>A</u> <u>B</u> <u>C</u>		ED	ORANG															
	<u>C</u>		.UE	YELLO															
	<u>N</u> G	WH	HITE	WHITE/GRAY	STR	IPE													
	G	GR	EEN	GREE	N		TOT	٦L			8325					-	8325	10	

Steam	nboat Base	Village Re	edevelopme	nt				ME	Engi	neers	Inc.					PANEL:	L1N2	
		480/277 Wy							100 A							ENCLOSURE:	Type 1	
	3 Ph	ase, 4 Wire + G	ind. 60Hz.					MAINS:	MLO							MOUNTING:	Surface	
		SCCR:					GROUI	ND BAR:	Copper							FED FROM:	MSB	
NOTES:									OPTION	IS:						LEVEL:	LOWER LEVEL B02 - PUBL	IC FFE
																LOCATION:		
																ISSUE DATE:	12/17/2020	
																	ECIFICATION SECTION FOR PLAQUE REQUIREMENTS.	₹
N	j	DESCRIPTION		Р	ОСР	СКТ		A	ı	3	(	;	СКТ	ОСР Р		DES	CRIPTION	N
	SITE LIGHT	ING F1 & F2 - Z0	ONE P.S.1	1	20	1	605	330					2	20 1	s	ITE LIGHTING	F1 & F2 - ZONE P.S.2	
		HTING F7 - ZON		1	20	3			660	672			4	20 1			G F7A - ZONE P.S.4	
		ITING F7A - ZON		1	20	5					672	225	6	20 1			G F8's - ZONE P.S.6	
		HTING F8 - ZON		1	20	7	15	55					8	20 1			IG F1 - ZONE P.S.8	
	SITE LIG	HTING F3 - ZON	E P.S.9	1	20	9			220	55			10	20 1		SITE LIGHTING	G S1 - ZONE P.S.10	
		SPARE		1	20	11					0	0	12	20 1		S	PARE	
S	TAGE BUILDING	RESTROOM NO	RMAL LIGHTING	1	20	13	84	0					14	20 1		S	PARE	
	EM	1 LTG - ELEC 130	0	1	20	15			168	0			16	20 1		S	PARE	
		SPARE		1	20	17					0	0	18	20 1		S	PARE	
		SPARE		1	20	19	0	0					20	20 1		S	PARE	
		SPARE		1	20	21			0	0			22	20 1		S	PARE	
		SPARE		1	20	23					0	0	24	20 1			PARE	
		SPARE		1	20	25	0	0					26	20 1			PARE	
		SPARE		1	20	27			0	0			28	20 1			PARE	
		SPARE		1	20	29					0	0	30	20 1			SPARE	
		SPARE		1	20	31	0	0					32	20 1			SPARE	
		SPARE		1	20	33			0	0			34	20 1			SPARE	
		SPARE		1	20	35					0	0	36	20 1			SPARE	
		SPARE		1	20	37	0	0		_			38	20 1			SPARE	
		SPARE		1	20	39			0	0			40	20 1			SPARE	
		SPARE		1	20	41					0	0	42	20 1			SPARE	
	SE VA WITH DOV								ITH DOV								414D0 C 400/0TT \4/	
PHASI CALC		<u>B</u>		TOTA		LIGH	CATEG	ORY	- 60	NNECTE	שׁ	FACT			ALC. V-A		AMPS @ 480/277 Wye	
CNNCT		1775 1775	897 897	376 376			EPTAC		_	3761		100	<del>%</del> 0		3761		5	
	REAM FEED THR			370	) [	MOT		LE										
DOWNST	KEAWIFEED INK	OUGH LUG PAN	NELS					IEOUS										
						KITC		ILOU3	+									
CONDITIC	TOR COLORS (E	C TO LARFL IN	PANFI \				TRIC	JΕΔΤ										
CONDO		8Y/120	480Y/27	7			HARGI											
Δ		LACK	BROWN															
<u>А</u> В		RED	ORANG						+									
<u>-</u> C		BLUE	YELLOV						+									
N			WHITE/GRAY		PE				+									
G	B         RED         ORA           C         BLUE         YELI           N         WHITE         WHITE/GR           G         GREEN         GRI					TOTA	TOTAL		3761				3761		5			

ME Engineers Inc.

BUS: 400 A

MAINS: MLO

GROUND BAR: Copper

MOTOR MISCELLANEOUS

ELECTRIC HEAT **EV CHARGING** 

KITCHEN

BROWN

ORANGE

YELLOW

WHITE/GRAY STRIPE

GREEN

ENCLOSURE:

MOUNTING:

FED FROM:

LOCATION: ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

ELEVATOR #2

SPARE
SPARE
SPARE
SPARE
SPARE
SPARE
SPARE

75004

AMPS @ 480/277 Wye

LEVEL: LOWER LEVEL B02 - PUBLIC FFE

Steamboat Base Village Redevelopment

SCCR:

1. PROVIDE GFPE TYPE CIRCUIT BREAKER.

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

BLACK

RED

WHITE

3 Phase, 4 Wire + Gnd. 60Hz.

Steambo	at Base Vill	age Re	edevelop	ment				ME	Engi	neers	inc.					PANEL:	M1N1	
		80/277 Wye							250 A							ENCLOSURE:	Type 1	_
	3 Phase,	4 Wire + Gr	nd. 60Hz.					MAINS:	MCB							MOUNTING:	Surface	
		CR:					GROUN	ND BAR:	Copper							FED FROM:	MSB	
NOTES:									OPTION								LOWER LEVEL B02 - PU	BI
	PE TYPE BREAK	ER							1	HROUG	H LUGS					LOCATION:		_
																ISSUE DATE:	12/17/2020	_
																D DETAILS AND SP	ECIFICATION SECTION FO PLAQUE REQUIREMENTS	
N	DESC	RIPTION		P	ОСР	СКТ		A	ı	В	C	;	скт	ОСР	Р	DES	CRIPTION	
	T-R1N2	(ABOVE)		3	125	1	5455	9324					2	60	3	ER	V 1A.01	_
						3			7385	9324			4					
						5					7768	9324	6					_
	CWF	P 1A.01		3	20	7	3810	0					8	30	3	S	PARE	
						9			3810	0			10					
						11					3810	0	12					_
	CWF	P 1A.01		3	20	13	3810	2106					14	20	3	UNDERFLOOR DI	RAINAGE SUMP PUMP	_
				1		15			3810	2106			16					
						17					3810	2106	18					
	EBF	1A.01		3	20	19	1039	0					20	20	3	S	SPARE	
				-		21			1039	0			22					_
						23					1039	0	24					_
	SF	1A.02		3		25	252	1000					26	20	1	SE - H	EAT TRACE	_
						27			252	0			28	20	1		SPARE	_
						29					252	0	30	20	1		SPARE	_
	E:	SP-1		3	20	31	942	0					32	20	1		SPARE	_
				-		33			942	0			34	20	1		SPARE	_
						35					942	0	36	20	1		SPARE	
	ERV	/ 1A.02		3		37	5474	0					38	20	1		SPARE	_
						39	/		5474	0			40	20	1		SPARE	_
					41					5474	0	42	20	1		SPARE		
PER PHASE V	A WITH DOWNST	REAM LOA	DS		1		D SUM	MARY W	TH DOV	VNSTRE								
PHASE	<u>A</u>	<u>B</u>	<u>C</u>	TOTA	ALS		CATEG			NNECTE		FACT			CALC. V-A		AMPS @ 480/277 Wye	
CALC		37015	37431	1104			ITING											_
CNNCTD		34143	34526	1018			EPTAC	LE										_
	M FEED THROUGH				•	MOT				85771		108	%		92764		112	
							ELLAN	IEOUS		5600		100			5600		7	
						KITC												_
CONDUCTOR	COLORS (EC TO	LABEL IN F	PANEL)				CTRIC H	HEAT		1365		100	%		1365		2	
	208Y/12		•	Y/277			HARGI											_
Α	BLACK			NWC				-										_
<u></u> B	RED			ANGE														
<del>z</del> C	BLUE			LOW										+				_
A B C N G	WHITE		WHITE/GF		PF									_				_
G 	GREEN			EEN	-	TOTA	ΔΙ			101881	-				110453		133	
•	GIVEEIN		Gr	LLIN		101/	~_		1	1001001	1			1	110433		100	_

	at Bacc .	village Re	чото.ор.						J		s inc.							
		480/277 Wye						BUS:	250 A							ENCLOSURE:	Type 1	
	3 Phas	se, 4 Wire + Gr	nd. 60Hz.					MAINS:	MCB							MOUNTING:	Surface	
		SCCR:							Copper	r						FED FROM:	MSB	
									OPTION								LOWER LEVEL B02 - PUBL	IC FFI
/IDE G	FPE TYPE BRE	EAKER							FEED T	THROUG	H LUGS					LOCATION:		
																ISSUE DATE:	12/17/2020	
																ETAILS AND SP	ECIFICATION SECTION FOR PLAQUE REQUIREMENTS.	2
	DE	ESCRIPTION		Р	ОСР	скт		A	1	В	(		скт	ОСР	Р	DESC	CRIPTION	1
	T-R	R1N2 (ABOVE)		3	125	1	5455	9324					2	60	3	ER	V 1A.01	
						3			7385	9324			4					-
						5					7768	9324	6					-
	(	CWP 1A.01		3	20	7	3810	0					8	30	3	S	PARE	
						9		-	3810	0			10					<u> </u>
						11			13.0		3810	0	12					<u> </u>
		CWP 1A.01		3		13	3810	2106			33.0		14	20	3 U	NDERFLOOR DE	RAINAGE SUMP PUMP	
						15	5510	2.00	3810	2106			16					
						17			3310	2100	3810	2106	18					
		EBP 1A.01		3	_	19	1039	0			0010	2 100	20	20	3	9	PARE	
						21	1000	0	1039	0			22		-			
						23			1000	0	1039	0	24					
		SF 1A.02		3		25	252	1000			1033		26	20	1	QE UI	EAT TRACE	+-
					_	27	232	1000	252	0			28	20	1		PARE	
						29			232	U	252	0	30	20	1		PARE	
		ESP-1				31	942	0			252	U			1		PARE	
				3	_		942	U	040				32	20	1			
						33			942	0	0.40		34	20	1		PARE	
		 				35	E 47.4				942	0	36	20	1		PARE	
	l	ERV 1A.02		3	_	37	5474	0					38	20	1		PARE	
						39			5474	0			40	20	1		PARE	
						41					5474	0	42	20	1	S	PARE	
		NSTREAM LOAI								VNSTRE								
<u>SE</u>	<u>A</u>	<u>B</u>	<u>C</u>	TOTA			CATEG	ORY	CO	NNECTE	ED	FACT	OR		CALC. V-A	1	AMPS @ 480/277 Wye	
С	36007	37015	37431	1104		LIGH												
TD	33213	34143	34526	1018	881		EPTACI	-E										
TREA	M FEED THRO	OUGH LUG PANE	ELS	MOT				85771		1089			92764		112			
							ELLAN	EOUS		5600		100	%		5600		7	
						KITC												
CTOR	•	TO LABEL IN P	•				CTRIC H			1365		100	%		1365		2	
		<u>Y/120</u>		Y/277		EV C	HARGII	NG										
		ACK		OWN														
		ED		ANGE														
		.UE		LOW														
		HITE	WHITE/GF		IPE													
	GRE	EEN	GR	REEN		TOT	4L			101881					110453		133	

Ste	eambo	at Base	Village Re	adevelop	ment				ME	Engi	neers	s Inc.					PANEL:	R1N1	
			120/208 Wy							400 A							ENCLOSURE:	Type 1	
		3 Pha	ıse, 4 Wire + G	nd. 60Hz.					MAINS:	400 A -	MCB						MOUNTING:	Surface	
			SCCR:					GROU	ND BAR:	Copper							FED FROM:	T-R1N1	
NOI	Fâ	~~~	$\sim$				<u> </u>			OPTION	<b>1</b> S:						LEVEL:	LOWER LEVEL B02 - PUBLIC	C FF
1. PI	ROVIDE GI	C TYPE BRI	EAKER. 🏡							FEED T	HROUG	H LUGS					LOCATION:		
~	~~																ISSUE DATE:	12/17/2020	
																		ECIFICATION SECTION FOR PLAQUE REQUIREMENTS.	
N		D	ESCRIPTION		F	ОСР	скт		A	E	3	C	;	СКТ	OCP P		DES	CRIPTION	
			SPARE		1	1 20	1	0	540					2	20 1		FOOD STORAG	E 110 SOUTH RCPTS	1
			SPARE		1	1 20	3			0	1920			4	20 1			SH 103 DOCK LIGHT	(
			SPARE		1	1 20	5					0	1656	6	20 1	EQ - 1 - IN	NT. OVERHEAD	DOOR - MECH/ICE PLANT 104	1
	_		SPARE		1	1 20	7	0	0					8	20 1		S	SPARE	
			SPARE		1	1 20	9			0	720			10	20 1		VESTIBL	JLE 100 RCPT	
			SPARE		1	1 20	11					0	540	12	~28×A	<b>\</b>		R WP GFCI RCPTS	
$\sim$			SPARE		1	1 20	13	0	0					14 (	20 1	<b>J</b>		SPARE	
	)		G/TRASH 103 R		1	20	15			1080	960			16	20	Ţ		100 ADA DOOR	1
_			& WATER ENTI		1	1 20	17	4050	000			540	960	18	20 1			100 ADA DOOR	_
			DOOR - LOAD DOOR - LOAD			20	19 21	1656	960	1656	0			20	20 1			100 ADA DOOR	+
-			AD DOOR - LOAD			1 20 1 20	23			1656	U	1656	0	24	20 1			SPARE SPARE	+
	EQ-1-1	INT. OVERTIE	SPARE	ADING/TRASTI	103	1 20	25	0	0			1030	0	26	20 1			SPARE	
			SPARE		1	1 20	27			0	0			28	20 1			SPARE	
			SPARE		1	1 20	29					0	0	30	20 1			SPARE	
			SPARE		1	1 20	31	0	0					32	20 1		S	PARE	
			SPARE		1	1 20	33			0	0			34	20 1		S	PARE	
			SPARE		1	1 20	35					0	0	36	20 1		S	PARE	
			SPARE		1	1 20	37	0	0					38	20 1		S	SPARE	
			SPARE		1	1 20	39			0	0			40	20 1			PARE	
			SPARE		1	1 20	41					0	0	42	20 1		S	SPARE	
		A WITH DOW A	ADS <u>C</u>	T ===					ITH DOV										
_	<u>PHASE</u> CALC	<u>TOT</u>			CATEG	IURY	CO	NNECTE	ט:	FACT		C	ALC. V-A	,	AMPS @ 120/208 Wye				
	NNCTD	4685 4776	7804 7056	8393 8556	208		_	EPTAC	1 =		144 11640		100°			144 10820		<u> </u>	
		4776	7956 DUGH LUG PAN	8556	212	200	MOT		LC		9504		1049			9918		28	
אטט	VINOIREAN	ILLU				ELLAN	IEOUS		3JU4	_	104	/0		9910		20			
		DUCTOR COLORS (EC TO LABEL IN PANEL)						HEN											
CON	IDUCTOR (	COLORS (EC	TO LABEL IN	PANEL)				CTRIC I	HEAT										
			Y/120		Y/277			HARGI											
	<u>A</u>	_																	
	В	B RED ORA																	
	E RED ORAN C BLUE YELL																		
	N WHITE WHITE/GRAY				RAY STR	IPE													
	N WHITE WHITE/GRA G Green Gre				PEEN		TOT	ΔΙ			21288					20882		58	

Steambo	oat Base \	Village Ro	edevelopr	nent				ME	Engi	ineers	Inc.					PANEL:	M1N2	
		480/277 Wy							400 A							ENCLOSURE:	Type 1	
	3 Pha	se, 4 Wire + G	ind. 60Hz.				N	MAINS:	MCB							MOUNTING:	Surface	
		SCCR:					GROUNI	D BAR:	Copper							FED FROM:	MSB	
NOTES:									OPTION	NS:						LEVEL: LOW	ER LEVEL B02 - PUB	LIC FFI
1. EXISITNG	CIRCUIT TO BE	REFED														LOCATION:		
																ISSUE DATE:	12/17/2020	
																O DETAILS AND SPECIFIC OARD LAMINATED PLAC		
N	D	ESCRIPTION		Р	ОСР	СКТ	Δ	١	ı	В	(	3	СКТ	ОСР	P	DESCRIPT	ION	ı
1	RE	STROOM LTG		1	20	1	0	0					2	20	2	WH-1		
1		KTERIOR LTG		1		3			0	0			4		1			-
		SPARE		1	20	5					0	0	6		2	WH-2		
1		EDH-1		3		7	0	0					8					-
-						9	-		0	0			10	20	2	WH-4		
						11					0	0	12		-			
1		EDH-2		3	30	13	0	0					14	20	2	WH-5		
						15			0	0			16		1			
						17					0	0	18	20	1	SPARE		
		SPARE		1	20	19	0	0					20	20	1	SPARE		
		SPARE		1	20	21			0	0			22	20	1	SPARE		
		SPARE		1	20	23					0	0	24	20	1	SPARE		
		SPARE		1	20	25	0	0					26	20	1	SPARE		
		SPARE		1	20	27			0	0			28	20	1	SPARE		
		SPARE		1	20	29					0	0	30	20	1	SPARE		
		SPARE		1	20	31	0	0					32	20	1	SPARE		
		1	20	33			0	0			34	20	1	SPARE				
		SPARE		1	20	35					0	0	36	28	<b>∼</b> ↑	SPARE		,
		SPARE		1	20	37	0	19060					38	175	3	T-R1N4		
		SPARE		1	20	39			0	12586			40					
	SPARE 1 SPARE 1					41					0	16755		<u> </u>				
	/A WITH DOWI							VNSTRE					<u> </u>					
PHASE	<u>A</u>	TOTA			CATEGO	PRY	СО	NNECTE	D	FAC1	OR		CALC. V-A	AMPS	@ 480/277 Wye			
CALC	15078	3829		LIGH														
CNNCTD	19060	12586	4840	)1		PTACL	E		30420		669			20210		24		
DOWNSTREA	M FEED THRO			MOTO				951		110			1050		1			
					KITC	ELLANE	OUS		14880		100	%		14880		18		
CONDUCTOR	COLORS (EC	TO LARFI IN				TRIC HE	=ΔΤ		150		100	%		150		0		
-5,1555101	•	Y/120	<u>//277</u>			HARGIN			100		100	,,,		100		<u> </u>		
Α		ACK	)WN		_ 7 0													
<u>A</u> <u>B</u> <u>C</u>		ED		NGE														
C C		.UE	_OW															
<u>v</u> <u>N</u>		HITE	AY STRII	PE														
<u> </u>		EEN	EEN	_	TOTA				48401	-			_	38290		46		

St	eambo	at Base V	/illage Re	edevelopn	nent				ME	Engi	neer	s Inc.						PANEL:	R1N1	
			120/208 Wy							400 A								ENCLOSURE:	Type 1	
		3 Phas	e, 4 Wire + G							400 A -	MLO							MOUNTING:	Surface	_
			SCCR:					GROUN	ND BAR:	Copper								FED FROM:	R1N1	
NO	TES:									OPTION	IS:							LEVEL: LOWER	R LEVEL B02 - PUBLIC F	FFE
																		LOCATION:		
																		ISSUE DATE:	12/17/2020	
																		DETAILS AND SPECIFICA ARD LAMINATED PLAQUE		
N		DE	SCRIPTION		Р	ОСР	скт		A	E	3		С	СКТ	О	CP F	•	DESCRIPTION	N	N
		FOOD STO	ORAGE 110 R	CPTS	1	20	43	900	0					44	+ 2	20 1		SPARE		+
			ORAGE 110 R		1	20	45			900	0			46	_	20 1		SPARE		+
	KE	G ROOM AND I	DISHWASH G	EN RECEPTS	1	20	47					720	0	48	2	20 1		SPARE		T
		PREP KITC	HEN GEN RE	CEPTS	1	20	49	720	0					50	2	20 1		SPARE		1
		CORRIDOR 1	14 & ERV1 11	3 RCPTS	1	20	51			720	0			52	2	20 1		SPARE		
<b>^</b>		MECH/ICE	PLANT 104 R	CPTS	مثب	20	53					900	0	54	2	20 1		SPARE		
			SPARE		1	20	55	0	0					56	_ 2	20 1		SPARE		
			SPARE		1		<b>3</b> 57			0	0			58	_	20 1		SPARE		
<u></u>		STAIR 109	& ERV2 107 F	RCPTS	4	100	59					720	0	60	_	20 1		SPARE		
			SPARE		1	20	61	0	0					62		20 1		SPARE		
			SPARE		1	20	63			0	0			64	_	20 1		SPARE		_
			SPARE		1	20	65					0	0	66	_	20 1		SPARE		_
			SPARE		1	20	67	0	0	0				68	_	20 1		SPARE SPARE		-
			SPARE		1	20	69			0	0			70	_	20 1				+
			SPARE SPARE		1	20	71	0	0			0	0	72 74	_	20 1 20 1		SPARE SPARE		+
			SPARE		1	20	75	U	U	0	0			76	_	20 1		SPARE		+
			SPARE		1	20	77			U		0	0	78	_	20 1		SPARE		+
			SPARE		1	20	79	0	0			<b>-</b> -		80		20 1		SPARE		+
			SPARE		1	20	81			0	0			82	_	20 1		SPARE		+
		1	20	83					0	864	84	_	20 1		ELEVATOR PIT LTG	& RCPT	T			
PEF	R PHASE V	A WITH DOWN	ISTREAM LOA			LOAI	SUM	MARY W	TH DOW	NSTRE	AM LOA	DS INC	LUDE	_	ı					
_	PHASE	<u>A</u>	<u>B</u>	TOT/	\LS	1	CATEG	ORY	CO	NNECT	ED	FAC	TOR		С	ALC. V-A	AMPS @	120/208 Wye		
	CALC	1620	1620	3204	644	4	LIGH				144		100	)%			144		0	
	NNCTD	1620	1620	3204	644	4		EPTACI	LE		6300		100				6300		17	
DΟ	WNSTREAM	M FEED THRO	JGH LUG PAN	IELS			MOT				0		Not Cor	nputed	d		0		0	
								ELLAN	IEOUS											
							KITC													
COI	NDUCTOR	COLORS (EC			1077			TRIC							$\dashv$					
	^	208Y		480Y			EV C	HARGI	NG						-					
	A	BLA RE		BRO ORAI											$\dashv$					
	<u>В</u> С	BLI		YELL											$\dashv$					
	<u>С</u> N	WH		WHITE/GRA		<b>D</b> E				-					$\dashv$					
	<u>N</u> G	GRE		WHITE/GR/		_	TOTA				6444						6444		18	

S	Steambo	at Base \	/illage R	edevelopr	ment					ME	Engi	neers	s Inc.					PAI	NEL:	R1N2	
			120/208 Wy								150 A							ENCLOSU	JRE:	Type 1	
		3 Phas	se, 4 Wire + G								150 A -	МСВ						MOUNT		Surface	
			SCCR: RE:0					GF	ROUND E									FED FR		T-R1N2 (ABOVE)	
N	OTES:										OPTION									LOWER LEVEL B02 - PUBLIC	FFE
											FEED T	HROUG	H LUGS					LOCAT			
																		ISSUE DA	_	12/17/2020	
																				ECIFICATION SECTION FOR PLAQUE REQUIREMENTS.	
١	1	DE	SCRIPTION		ı	POO	CP CI	κт	Α		I	В	C	;	СКТ	ОСР	Р		DESC	RIPTION	N
			VFCU 4			1 2	0	1 1	500 1	50					2	20	1		ι	JH 3	+
			VFCU 4			1 2		3		-	1500	150			4	20	1			JH 3	+
_			VFCU 4			1 2		5					1500	285	6	20	1	WF		A.01 & 1A.06	
•			SPARE		ſ	1 2	_		0 16	580					8	20	1			H CONTROLS	_
J	<del>,                                    </del>		HFCU 3			4/4		9			1770	500			10	20	1			ELEV CONTROLS	
			HFCU 3			1 2	0 1	1					1416	180	12	20	1	ICE	PLAN	T CONTROLS	
			UH 4			1 2	0 1	3	150 1	80					14	20	1	ICE	PLAN	T CONTROLS	
			CUH 4			1 2		5			465	180			16	20	1	ICE	PLAN	T CONTROLS	
			UH 4			1 2	0 1	7					150	180	18	20	1	ICE	PLAN	T CONTROLS	
			CUH 4		1 2	0 1	9 4	465 1	80					20	20	1	ICE	PLAN	T CONTROLS		
			EF 1A.01			1 2	0 2	1			1470	200			22	20	1	ICE	PLAN	T CONTROLS	
			HFCU 3			1 2	0 2	3					1770	500	24	20	1	COLD FOOD STOR	AGE -	WALK-IN COOLER SYSTEM	
			UH 4		- 1	1 2	0 2	5	150 5	00					26	20	1	KEG ROOM -	WALK	K-IN COOLER SYSTEM	
			UH 4			1 2	0 2	7			150	500			28	20	1	FOOD STORAGE	= - W <i>A</i>	ALK-IN COOLER SYSTEM	
		W	/FCU 1A.05			1 2	0 2	9					135	1152	30	20	1		EF	1A.03	
		COLD FO	OD STOR EV	1	2 2	0 3	1 2	250	0					32	20	1		SF	PARE		
	-			-		- 3	3			250	0			34	20	1		SF	PARE		
		COLD FO	OD STOR EV	AP #2	1	2 2	0 3	5					250	0	36	20	1		SF	PARE	
	-				-		- 3	7 2	250	0					38	20	1		SF	PARE	
		KEG	2 2	0 3	9			250	0			40	20	1		SF	PARE				
	-	KEG RM 111 EVAP 2						1					250	0	42	20	1		SF	PARE	
כ	ER PHASE V							DAD S	SUMMAR	Y WIT	TH DOV	VNSTRE	AM LOA	DS INC	LUDE	D					
	<u>PHASE</u>	A         B         C         TOTA           5572         7544         7935         2105							TEGOR'	Y	СО	NNECTE	ED	FACT	OR		CALC	C. V-A	Α	MPS @ 120/208 Wye	
	CALC	5572	051		GHTII																
	CNNCTD	5455	7385	808			TACLE														
D	OWNSTREAM	M FEED THRO	UGH LUG PAN			OTOR				14643		1039			150	086		42			
							LLANEO	US		4600		1009	%		46	600		13			
							TCHE														
C	ONDUCTOR	COLORS (EC					RIC HEA	T		1365		100	%	$\perp$	13	865		4			
			<u>//120</u>		E۱	/ CHA	ARGING														
	<u>A</u>	BLA																			
	<u>B</u>	RE																			
	А В С N G	BL																			
	<u>N</u>	WH	RIPE																		
	G	GRE	FN		TO	TAL				20608					210	051		58			

L1N1 L1N2 M1N1 M1N3 R1N1 R1N1 R1N2



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12499 West Colfax Ave. Lakewood, CO 80215 **United States** 

Tel 303.431.6100

14143 Denver West Pkwy Suite 300 Golden, CO United States Tel 303.421.6655

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND 1 2021.06.29 BP3: PROMENADE - BULLETIN 02 2 2021.08.06 BP3:PROMENADE - BULLETIN 08

Seal / Signature



SSRC | BASE AREA

**IMPROVEMENTS** Project Number

003.7835.000

ELECTRICAL PANEL SCHEDULES

1A-E0.003

Steambo	oat Base \	/illage Re	developr	ment				ME	Engi	ineers	Inc.					PANEL:	R1N4	
		120/208 Wye							400 A							ENCLOSURE:	Type 1	
	3 Phas	se, 4 Wire + Gn	d. 60Hz.					MAINS:	400 A -	MCB						MOUNTING:	Surface	
		SCCR:					GROUN	ND BAR:	Copper	•						FED FROM:	T-R1N4	
NOTES:									OPTIO	NS:						LEVEL:	LOWER LEVEL B02 - PUBL	IC FFE
1. EXISTING (	CIRCUIT TO BE	REFED FROM	NEW PANEL						FEED T	HROUGH	LUGS					LOCATION:		
																ISSUE DATE:	12/17/2020	
																	PECIFICATION SECTION FOR PLAQUE REQUIREMENTS.	
N	DE	SCRIPTION		Р	OCF	СКТ		A		В	(	;	скт	ОСР	Р	DES	CRIPTION	N
1		EF-1		1	20	1	0	0					2	20	3		EWH-1	1
1		SF-1		1	20	3			0	0			4					-
1		SF-2		1	20	5					0	0	6					_
1		WH-3		1	20	7	0	0					8	20	1		SPARE	
1	RE	CEPTACLES		1	20	9			0	0			10	20	1		SPARE	
1	RE	CEPTACLES		1	20	11					0	0	12	20	1		SPARE	
1	RE	CEPTACLES		1	20	13	0	0					14	20	1	(	SPARE	
1	HA	ND DRYERS		1	20	15			0	0			16	20	1		SPARE	
1		ND DRYERS		1		17					0	360	18	20	1		PIT CONNECTION	
1		ND DRYERS		1		19	0	540					20	20	1		LTG FIXTURE POLES	
1		ND DRYERS		1		21			0	720			22	20	1		LTG FIXTURE POLES	
1		ND DRYERS		1		23					0	0	24	20	1		SPARE	
1		ND DRYERS		1		25	0	540					26	20	1		LTG FIXTURE POLES	
1		H TIME CLOCK		1		27			0	540			28	20	1		LTG FIXTURE POLES	
1	SOL	ENOID VALVE		1		29					0	0	30	20	1		SPARE	
		SPARE SPARE		1		31	0	0	0				32	20	1		SPARE	
		1		33			0	0			34	20	1		SPARE			
		_	35 37	0	8625			0	0	36 38	150	3		SPARE R1N5				
		SPARE         1           SPARE         1           SPARE         1						0023	0	7426			40	150	3		CNI X	
		20	39 41			0	7420	0	8925	42				<u></u>				
PER PHASE \	A WITH DOWN	20		SHIM	ΙΔRY W	ITH DOV	VNSTREA											
PHASE	<u>A</u>	<u>B</u>	ALS		CATEG			NNECTE		FACT			CALC. V-A		AMPS @ 120/208 Wye			
CALC	15078	<u>=</u> 9957	90	LIGH		<b></b>	+			.,					7 um e @ 120/200 1190			
CNNCTD	19060	12586	484			EPTACI	LE		30420		66%	6		20210		56		
	M FEED THRO	UGH LUG PANE		мот	OR			951		110			1050		3			
					MISC	ELLAN	IEOUS		14880		1009	%		14880		41		
						KITC	HEN											
CONDUCTOR	COLORS (EC	TO LABEL IN P				TRIC H	HEAT		150		100	%		150		0		
	208Y	<u>//120</u>	<u>480\</u>	Y/277		EV C	HARGI	NG										
<u>A</u>	BLA	ACK .	BRC	NWC														
<u>B</u>	RE		ORA	ANGE														
<u>C</u>	BL	UE	YELI	LOW														
<u>А</u> В С N <u>G</u>	WH		RAY STR	IPE														
G	GRE	EEN	GRI	EEN		TOTA	<b>AL</b>			48401					38290		106	

Steambo	at Base \	/illage Re	edevelopi	ment	t				ME	Engi	neer	s Inc.					PANEL:	M2N4	
		480/277 Wy								400 A							ENCLOSURE:	Type 1	
	3 Phas	se, 4 Wire + G	ind. 60Hz.						MAINS:	400 A -	MCB						MOUNTING:	Surface	
		SCCR:					1	GROUN	ID BAR:	Copper	•						FED FROM:		
NOTES:										OPTION	NS:						LEVEL:	TOP OF ICE RINK SLA	В
																	LOCATION:		
																	ISSUE DATE:	12/17/2020	
																		FICATION SECTION FOR AQUE REQUIREMENTS.	
N	DE	SCRIPTION		$\wedge$	POC	P	СКТ		A	ı	3	(	3	СКТ	ОСР	Р	DESCRIF	PTION	N
	ZAME	ONI CHARGE	R		3 6		1	4988	0					2	20	3	SPAF	RE	_
				<b>\</b>			3			4988	0			4					
				- (		. 3	5					4988	0	6					
	EW	H-2 ZAMBONI		7	9/10	م	7	20000	0					8	30	3	SPAF	RE	
							9			20000	0			10					
						.	11					20000	0	12					
	EW	H-1 ZAMBONI			3 10	0	13	20000	0					14	30	3	SPAF	RE	
						15			20000	0			16						
						17					20000	0	18						
		SPARE		3 3	)	19	0	0					20	20	3	SPAF	RE		
						21			0	0			22						
					23					0	0	24							
		SPARE			3 4		25	0	0					26	100	3	SPAF	RE	
							27			0	0			28					
		<del></del>					29					0	0	30					
PER PHASE V						L				ITH DOV					D				
PHASE	<u>A</u>	<u>B</u>	<u>C</u>		TALS	_		CATEG	ORY	CO	NNECT	ED	FAC	TOR		CALC. V-A	AMF	PS @ 480/277 Wye	
CALC	44988	44988	44988		4965	_		TING	_										
CNNCTD	44988 44988 44988 13496							PTACI	.E										
JOWNS I REAL	M FEED THROUGH LUG PANELS						MOT(	JR ELLAN	FOLIC	_	4.4005		400	NO/		14005		40	
								ELLAN HEN	E003	_	14965		100	)%		14965		18	
CONDUCTOR	COLOBS (EC				TRIC H	IEAT		120000		100	10/		120000		144				
CONDUCTOR	208				HARGII		_	120000		100	770		120000		144				
<u>A</u>	<u>2001</u> BL/		-				+												
<u>≏</u> B	RE						+												
<u>В</u> С	BL						+												
<u>u</u> <u>N</u>	WH	RIPE					+												
<u>1\</u> G		EEN		EEN		Т	OTA	\L		+	134965					134965		162	
<u>~</u>	OIN	,			<b>J</b> .,				13-1000					10-1000		102			

Ste	ambo	at Base	Village R	Redevelopr	nent				ME	Eng	ineers	Inc.					PANEL:	R1N4	
			120/208 Wy	<u> </u>						400 A							ENCLOSURE:	Type 1	
		3 Pł	nase, 4 Wire + 0	Gnd. 60Hz.					MAINS:	400 A -	MLO						MOUNTING:	Surface	
			SCCR:					GROU	IND BAR:	Coppe	r						FED FROM:	R1N4	
HOI	FS:	<b>~~~</b>			~~	~	'			OPTIO								ER LEVEL B02 - PUBI	IC F
1. PF	ROVIDE GI	FCI PROTEC	CTION FOR CIR	CUIT VIA BREAK	(ER OR	REL/	Y. 3										LOCATION:		
				mm				\									ISSUE DATE:	12/17/2020	
					_		- / 1	Δ							F		ETAILS AND SPECIFIC		?
N			DESCRIPTION		F	oc	РСКТ		Α		В	(	;	СКТ	OCP P		DESCRIPTI	ON	
	DUPI FX	AT LTG FIX	TURE POLE BA	SE - LOWER PR	OM 1	1 20	43	180	360					44	20 1	SITE	POWER PEDESTAL N	NEMA 5-20R QUAD	
				LOWER PROM.	1	1 20			-	720	360			46	20 1		POWER PEDESTAL N		
				LOWER PROM.	1	1 20						360	360	48	20 1		POWER PEDESTAL N		
			BASE OF TREE		1	1 20		540	360					50	20 1		POWER PEDESTAL N		
			BASE OF TREE		1	1 20		1		540	180			52	-29-4		SITE POWER PEDESTA		~
			SPARE		1	1 20						0	3120	54	50 2		E POWER PEDESTAL		
	PLAZA	A SIGNAGE		R STAGE (P.S.15	5) 1	1 20		500	3120					56				(**************************************	
			SPARE	- (	1	1 20				0	0			58	20 1		SPARE		
			SPARE		1	1 20						0	0	60	<b>120</b>		SPARE		5
$\overline{}$	PLAZA S	IGNAGE ELI	EMENT NEAR E	SCALATOR (P.S	5.18)	25		500	180					62	20 1	S	SITE POWER PEDESTA	AL NEMA 5-20R	
			SPARE	,		2 50				0	180			64	20_4	S	SITE POWER PEDESTA	AL NEMA 5-20R	
					-		65					0	3120	66	50 2	SIT	E POWER PEDESTAL	(50A/2P, CS6369)	
			SPARE		1	1 20	67	0	3120					68				,	
س			SPARE		4	<b>1</b>	69			0	0			70	20 1		SPARE		
			SPARE		1	1 20	71					0	360	72			ELEC ROOM 130	) RCPTS	V
			SPARE		1	1 20	73	0	360					74	20 1	ELEC RO	OOM 130 & IRRAGATIO	N CLOSET 129 RCPT	s
			SPARE		1	1 20	75			0	1920			76	20 1		SITE IRRIGATION	SYSTEM	
			SPARE		1	1 20	77					0	150	78	20 1		UH 3		
			SPARE		1	1 20	79	0	135					80	20 1		WFCU 1A.	04	
			SPARE		1	1 20	81			0	0			82	20 1		SPARE		
			SPARE		1	1 20	83					0	0	84	20 1		SPARE		
PER	PHASE V	A WITH DO	WNSTREAM LO	ADS			LOA	DSUM	MARY W	TH DO	WNSTRE	AM LOA	DS INC	LUDE	D				
<u>P</u>	HASE	<u>A</u>	<u>B</u>	<u>c</u>	TOT	ALS		CATE	GORY	CC	NNECTE	D	FACT	OR	CA	LC. V-A	AMPS	@ 120/208 Wye	
C	CALC	7675	3200	6128	170	003	LIGH	ITING										-	
CN	NCTD	9355	3900	7470	207	725	REC	EPTAC	LE		17520		79%	6		13760		38	
DOW	/NSTREA	M FEED THE	OUGH LUG PA	NELS			МОТ	OR			285		113	%		323		1	
							MISC	ELLA	NEOUS		1920		100	%		1920		5	
							KITC	HEN											
CON	DUCTOR	COLORS (E	C TO LABEL IN	PANEL)			ELE	CTRIC	HEAT										
			8Y/120		<u>(/277</u>		EV C	HARG	ING										
	<u>A</u>	В	LACK		OWN														
	<u>А</u> В		RED		NGE														
	<u>c</u>		BLUE	YEL	LOW														
	<u>N</u>	٧	VHITE	WHITE/GR	AY STR	IPE													
	G		REEN	CD	EEN		TOT	Λ I			20725					17003		47	

Ste	eamb	oat Base \	/illage R	edevelopm	ent				ME	Engi	ineers	Inc.						PANEL:	R1N5	
			120/208 W							150 A								ENCLOSURE:	Type 1	
		3 Phas	se, 4 Wire + 0						MAINS:	150 A -	MCB							MOUNTING:	Surface	
			SCCR:					GROUI	ND BAR:	Coppe	r							FED FROM:	R1N4	
HOI		~~~	~~~	~~~	\~~	~~				OPTIO									LOWER LEVEL B02 - PUE	BLIC F
1. PF	ROVIDE	GFCI PROTECTI	ION FOR CIR	CUIT VIA BREAKE	RORR	ELAY	′. <b>}</b> ∧											LOCATION:		
$\psi \iota$	سسر	mm	m	July .		بىر	√1/محمر	\										ISSUE DATE:	12/17/2020	
								7								R	REFER TO D		PECIFICATION SECTION FO	)R
																			PLAQUE REQUIREMENTS	
N		DE	SCRIPTION		Р	ОСР	СКТ		A		В	C	;	СКТ	ОСР	Р		DES	CRIPTION	
			UH 4		1	20	1	150	360					2	20	1		IDF	90 ACP	
			HFCU 1		1	20	3			396	0			4	30	2		5	SPARE	
		V	VFCU 1A.03		1	20	5					135	0	6						
		V	/FCU 1A.02		1	20	7	135	0					8	30	2		5	SPARE	
		IDF	F/IT 90 RCPT		سلم	20	9			720	0			10						
	•	SITE POWER PE		V2P, CS6369)	2	50	11					3120	0	12	20	1		5	SPARE	
<del>    K</del>				. ,		'	13	3120	0					14	20	1			SPARE	
<b>Y</b> —			SPARE		1	20	15			0	0			16	20	1			SPARE	
$\Box$			SPARE		1	20	317					0	0	18	20	1			SPARE	
<u> </u>	,		SPARE		4	سهود	19	0	0					20	20	1			SPARE	
		IDF	F/IT 90 RCPT		1	20	21	-		540	0			22	20	1			SPARE	
			RRIDOR 114		1	20	23					540	0	24	20	1			SPARE	
			ORAGE 114 F	RCPTS	1	20	25	540	0			0.0		26	20	1			SPARE	
	PI AZ			R STAIRS (P.S.17)		20	27	0.10		500	0			28	20	1			SPARE	
		TE POWER PE			مند	28	29			- 000		360	0	30	20	1			SPARE	
		TETOWERTEE	SPARE	TO ZOIT QUILD	1	20	31	0	0			000	-	32	20	1			SPARE	
7			SPARE		1	20	33			0	1350			34	30	2			L6-30R RCPT	
$\leftarrow$			SPARE		1	20	35			-	1000	0	1350					11101011		
		DUPLEXES IN		RE POLES		ستهجد	37	720	1350				1000	38	30	2		IT RACK	L6-30R RCPT	
		DUPLEX AT B			1	20	39	120	1000	360	1350			40				11101011		
			BOWL CON		1	20	41			000	1000	360	1350	42	30	2		IT RACK	L6-30R RCPT	
		PLAZA FIRE			1	20	43	360	1350			000	1000	44				11101011		
		PLAZA FIRE			1	20	45	000	1000	360	1350			46	30	2		IT RACK	L6-30R RCPT	
		PLAZA FIRE			1	20	47			000	1000	360	1350					11 10 1011		
		PLAZA FIRE				20	49	360	180			300	1000	50	20	1	SITE	POWER PE	DESTAL NEMA 5-20R	
		PLAZA SIGNA			1	20	51	500	100	500	0			52	20		OIIL		PARE	
			SPARE		1	20	53			300	U	0	0	54	20				PARE	
			SPARE		1	20		0	0			0	U	56	20				PARE	
			SPARE			20		U	U	0	0			58	20				PARE	
			SPARE			20					0	0	0	60	20				PARE	
PER	PHASE	VA WITH DOWN		ADS		20		SUMI	MARY W	ITH DOV	⊥ WNSTRE								1 / N NL	
	HASE	<u>A</u>	<u>B</u>	<u>C</u>	TOTA	LS	_	CATEG			NNECTE		FAC1			CA	LC. V-A		AMPS @ 120/208 Wye	
	CALC	<u>8</u> 562	7372	8860	2479		LIGH								$\top$					
CN	INCTD	8625	7426	8925	2497	6	RECI	EPTAC	LE		10560		979	%		1	10280		29	
DOW	/NSTRE	AM FEED THRO	UGH LUG PA	NELS			МОТ	OR			666		115	5%			765		2	
							MISC	ELLAN	IEOUS		12600		100	1%		1	12600		35	
							KITC	HEN												
CON	DUCTOR	R COLORS (EC	TO LABEL IN	PANEL)				CTRIC I	HEAT		150		100	1%			150		0	
		•	//120	, 480Y/	<u> 277</u>			HARGI												
	<u>A</u>	BLA		BROV																
	<u>—</u> В	RE		ORAN						+										
İ	c	BL		YELL																
	<u>B</u> <u>C</u> <u>N</u> G	WH		WHITE/GRA		Έ														
1	_		EEN	GRE			TOTA	71		+	24976					_	24795		69	



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- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND PERMIT
1 2021.08.06 BP3:PROMENADE - BULLETIN 08



SSRC | BASE AREA **IMPROVEMENTS** 

Project Number 003.7835.000

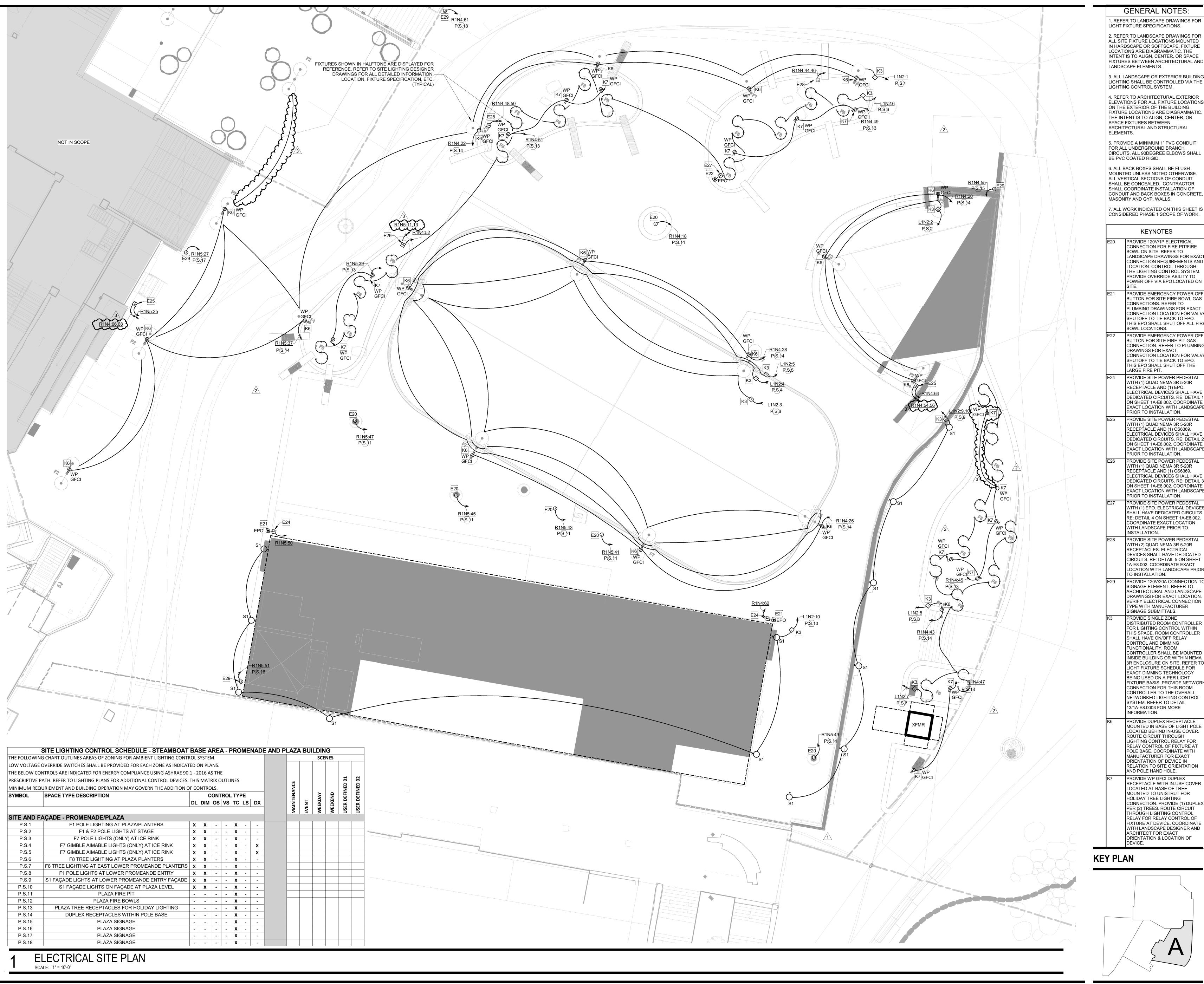
ELECTRICAL PANEL SCHEDULES

R1N4

M2N4

R1N4 R1N5

1A-E0.004



1. REFER TO LANDSCAPE DRAWINGS FOR LIGHT FIXTURE SPECIFICATIONS. 2. REFER TO LANDSCAPE DRAWINGS FOR ALL SITE FIXTURE LOCATIONS MOUNTED IN HARDSCAPE OR SOFTSCAPE. FIXTURE

INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND LANDSCAPE ELEMENTS. 3. ALL LANDSCAPE OR EXTERIOR BUILDING LIGHTING SHALL BE CONTROLLED VIA THE

LIGHTING CONTROL SYSTEM. 4. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR ALL FIXTURE LOCATIONS ON THE EXTERIOR OF THE BUILDING.

FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL

5. PROVIDE A MINIMUM 1" PVC CONDUIT FOR ALL UNDERGROUND BRANCH CIRCUITS. ALL 90DEGREE ELBOWS SHALL BE PVC COATED RIGID. 6. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE.

ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS. 7. ALL WORK INDICATED ON THIS SHEET IS

CONSIDERED PHASE 1 SCOPE OF WORK.

KEYNOTES

PROVIDE 120V/1P ELECTRICAL CONNECTION FOR FIRE PIT/FIRE BOWL ON SITE. REFER TO LANDSCAPE DRAWINGS FOR EXACT CONNECTION REQUIREMENTS AND LOCATION. CONTROL THROUGH THE LIGHTING CONTROL SYSTEM. PROVIDE OVERRIDE ABILITY TO POWER OFF VIA EPO LOCATED ON PROVIDE EMERGENCY POWER OFF BUTTON FOR SITE FIRE BOWL GAS

CONNECTIONS. REFER TO PLUMBING DRAWINGS FOR EXACT CONNECTION LOCATION FOR VALVE SHUTOFF TO TIE BACK TO EPO. THIS EPO SHALL SHUT OFF ALL FIRE BOWL LOCATIONS. PROVIDE EMERGENCY POWER OFF BUTTON FOR SITE FIRE PIT GAS CONNECTION. REFER TO PLUMBING DRAWINGS FOR EXACT

CONNECTION LOCATION FOR VALVE SHUTOFF TO TIE BACK TO EPO. THIS EPO SHALL SHUT OFF THE LARGE FIRE PIT. PROVIDE SITE POWER PEDESTAL WITH (1) QUAD NEMA 3R 5-20R RECEPTACLE AND (1) EPO. ELECTRICAL DEVICÈS SHALL HAVE DEDICATED CIRCUITS. RE: DETAIL 1 ON SHEET 1A-E8.002. COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR TO INSTALLATION. PROVIDE SITE POWER PEDESTAL WITH (1) QUAD NEMA 3R 5-20R

ELECTRICAL DEVICÈS SHALL HAVE DEDICATED CIRCUITS. RE: DETAIL 2 ON SHEET 1A-E8.002. COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR TO INSTALLATION. PROVIDE SITE POWER PEDESTAL WITH (1) QUAD NEMA 3R 5-20R RECEPTACLE AND (1) CS6369.

ON SHEET 1A-E8.002. COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR TO INSTALLATION. PROVIDE SITE POWER PEDESTAL WITH (1) EPO. ELECTRICAL DEVICES SHALL HAVE DEDICATED CIRCUITS. RE: DETAIL 4 ON SHEET 1A-E8.002.

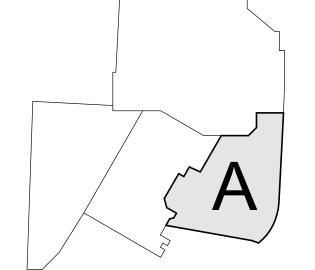
COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR TO INSTALLATION. PROVIDE SITE POWER PEDESTAL VITH (2) QUAD NEMA 3R 5-20R RECEPTACLES. ELECTRICAL DEVICES SHALL HAVE DEDICATED CIRCUITS. RE: DETAIL 5 ON SHEET 1A-E8.002. COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR

TO INSTALLATION. PROVIDE 120V/20A CONNECTION TO SIGNAGE ELEMENT. REFER TO ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR EXACT LOCATION. VERIFY ELECTRICAL CONNECTION TYPE WITH MANUFACTURER SIGNAGE SUBMITTALS.

PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL

INFORMATION. PROVIDE DUPLEX RECEPTACLE MOUNTED IN BASE OF LIGHT POLE LOCATED BEHIND IN-USE COVER. ROUTE CIRCUIT THROUGH LIGHTING CONTROL RELAY FOR RELAY CONTROL OF FIXTURE AT POLE BASE. COORDINATE WITH MANUFACTURER FOR EXACT ORIENTATION OF DEVICE IN RELATION TO SITE ORIENTATION

AND POLE HAND HOLE. PROVIDE WP GFCI DUPLEX RECEPTACLE WITH IN-USE COVER LOCATED AT BASE OF TREE MOUNTED TO UNISTRUT FOR HOLIDAY TREE LIGHTING CONNECTION. PROVIDE (1) DUPLEX PER (2) TREES. ROUTE CÌRCUIT THRÒÚGH LIGHTING CONTROL RELAY FOR RELAY CONTROL OF FIXTURE AT DEVICE. COORDINATE WITH LANDSCAPE DESIGNER AND ARCHITECT FOR EXACT ORIENTATION & LOCATION OF



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2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

2021-0618 Bulletin No.1 - Promenade Transformer 2 2021.07.23 BP3:PROMENADE - BULLETIN 06 3 2021.08.06 BP3:PROMENADE - BULLETIN 08

Seal / Signature



Project Name

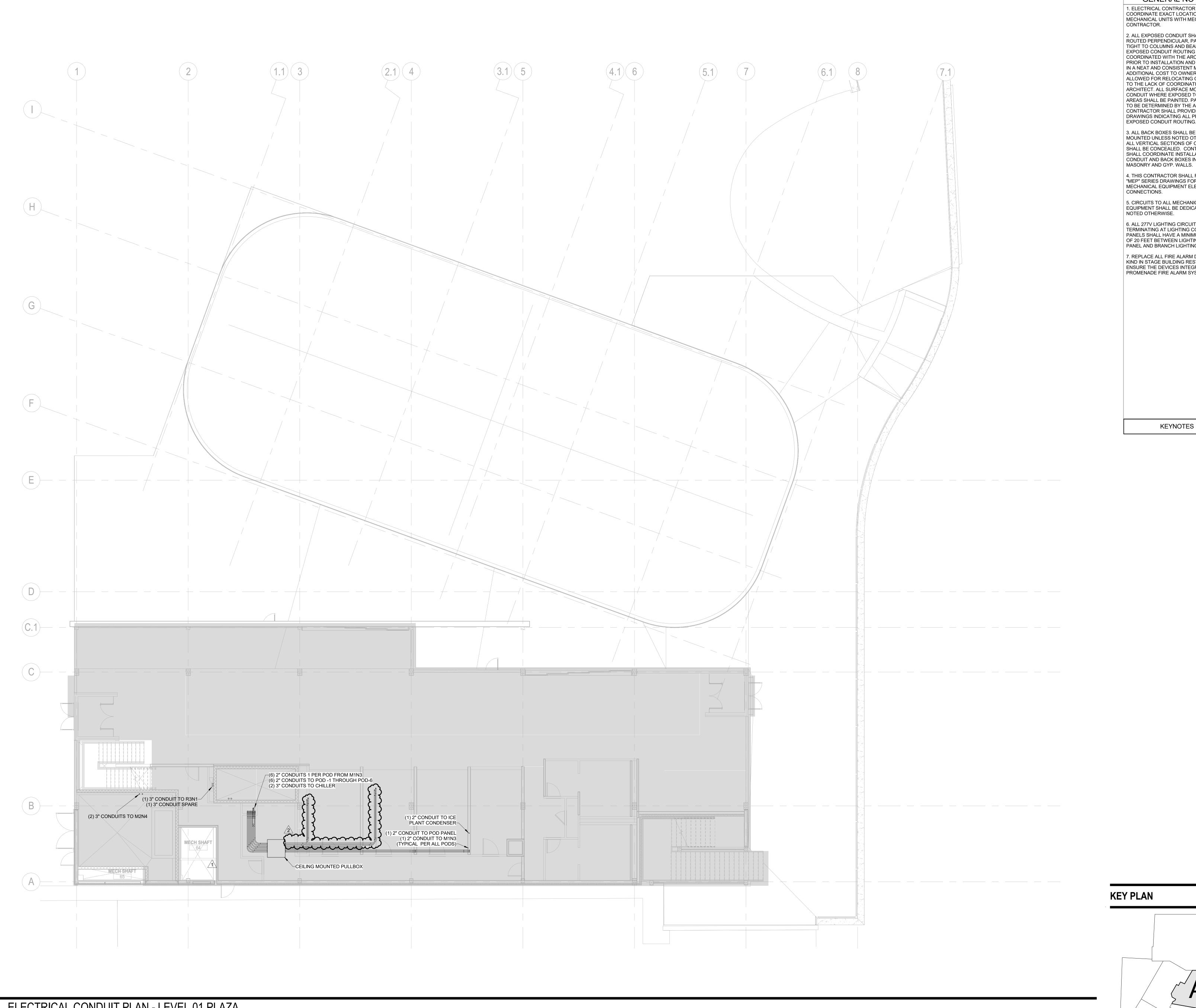
SSRC | BASE AREA **IMPROVEMENTS** Project Number

003.7835.000

Description PROMENADE - ELECTRICAL SITE PLAN

Scale 1" = 10'-0"

1A-E1.000



1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT
PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE
ALLOWED FOR RELOCATING CONDUIT DUE
TO THE LACK OF COORDINATION WITH
ARCHITECT. ALL SURFACE MOUNTED
CONDUIT WHERE EXPOSED TO PUBLIC
AREAS SHALL BE PAINTED. PAINT COLOR
TO BE DETERMINED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL
MECHANICAL EQUIPMENT ELECTRICAL

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.

7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO ENSURE THE DEVICES INTEGRATE WITH PROMENADE FIRE ALARM SYSTEM.

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND 1 2021.07.30 BP3:PROMENADE - BULLETIN 07 2 2021.08.06 BP3:PROMENADE - BULLETIN 08

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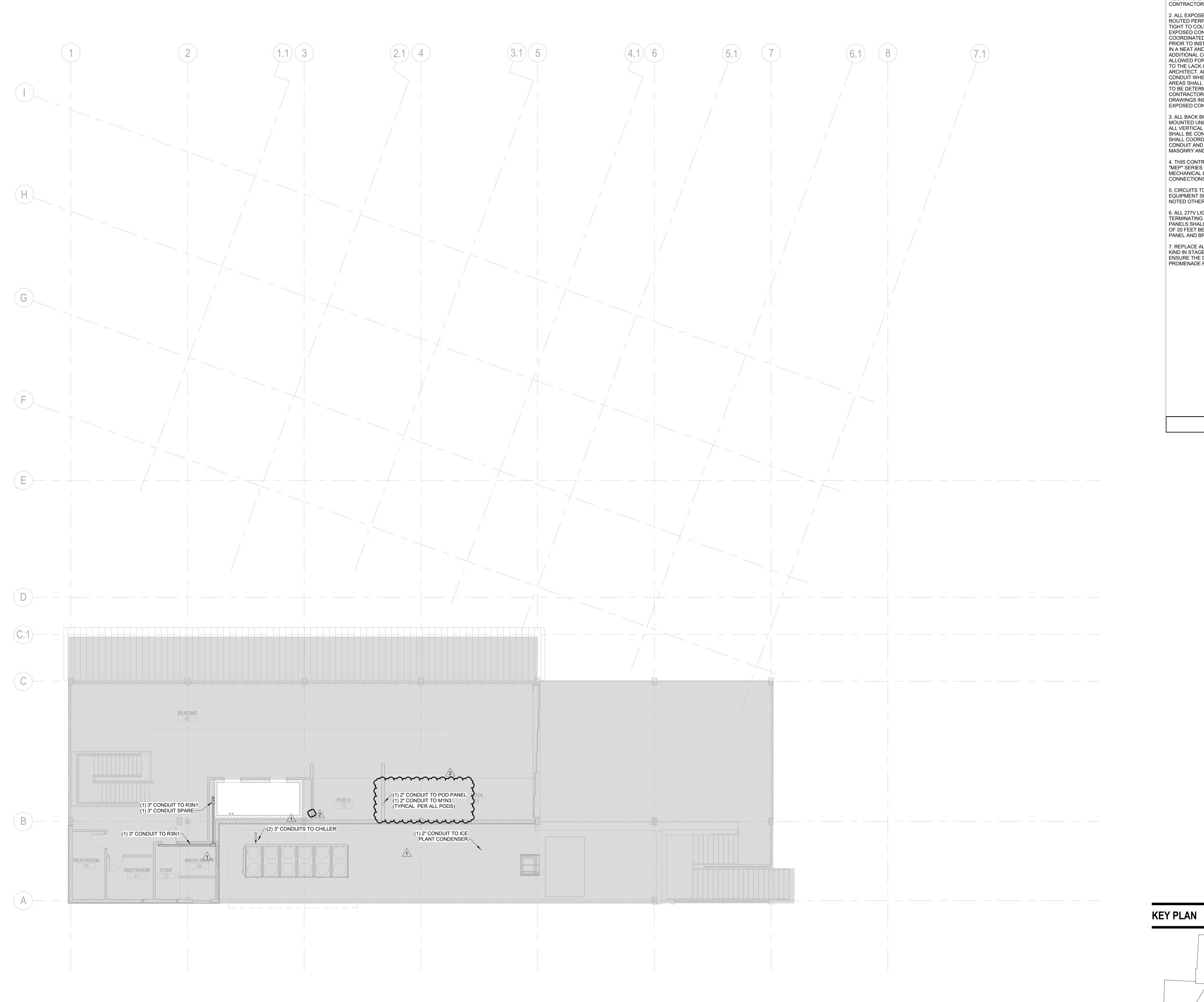
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PROMENADE - ELECTRICAL CONDUIT PLAN - LEVEL 01

1/8" = 1'-0"

1A-E1.101

ELECTRICAL CONDUIT PLAN - LEVEL 01 PLAZA
SCALE: 1/8" = 1'-0"



1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT
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AREAS SHALL BE PAINTED. PAINT COLOR
TO BE DETERMINED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL
MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.

7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO ENSURE THE DEVICES INTEGRATE WITH PROMENADE FIRE ALARM SYSTEM.

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KEYNOTES

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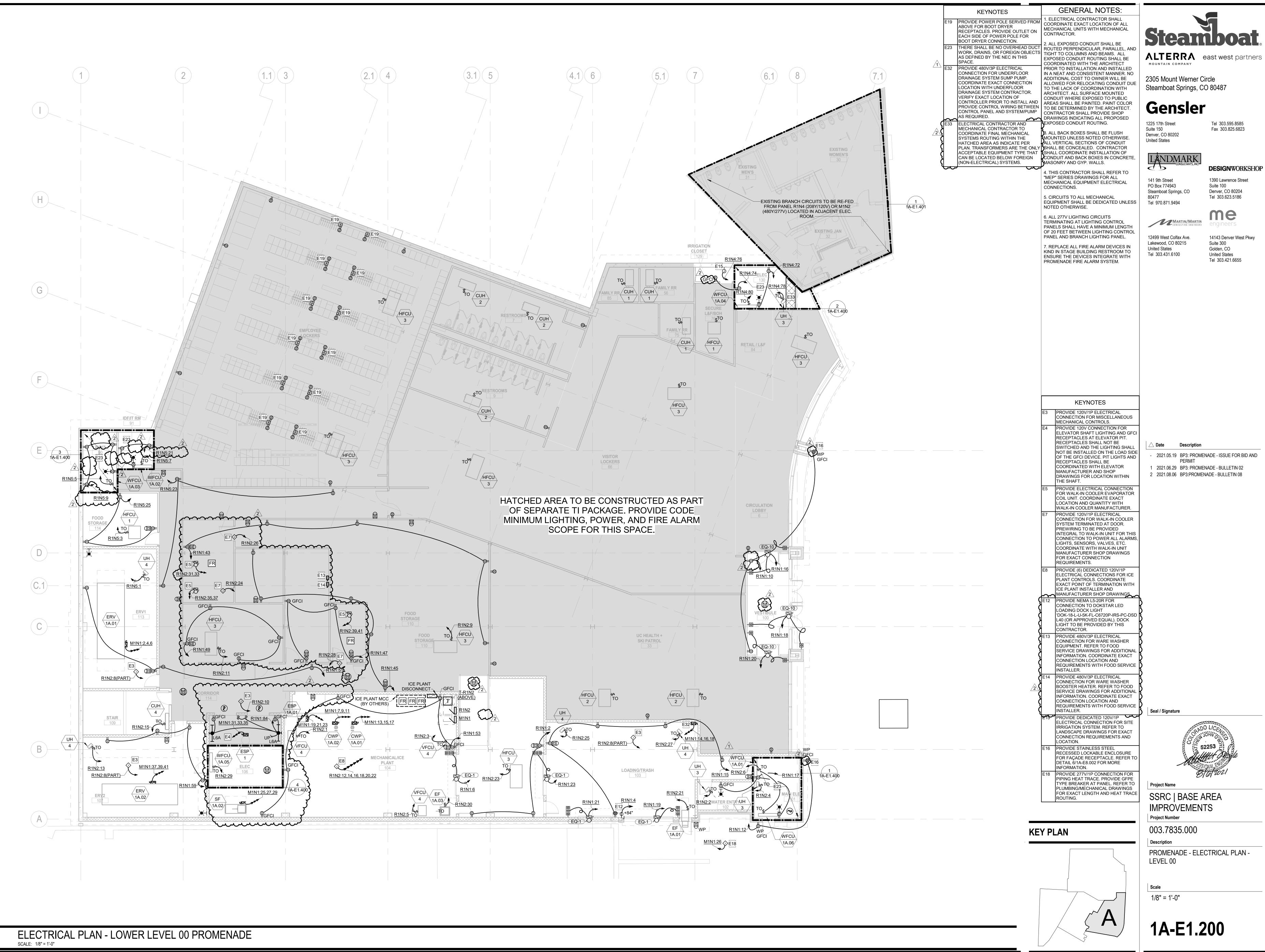
PROMENADE - ELECTRICAL CONDUIT PLAN - LEVEL 02

1/8" = 1'-0"

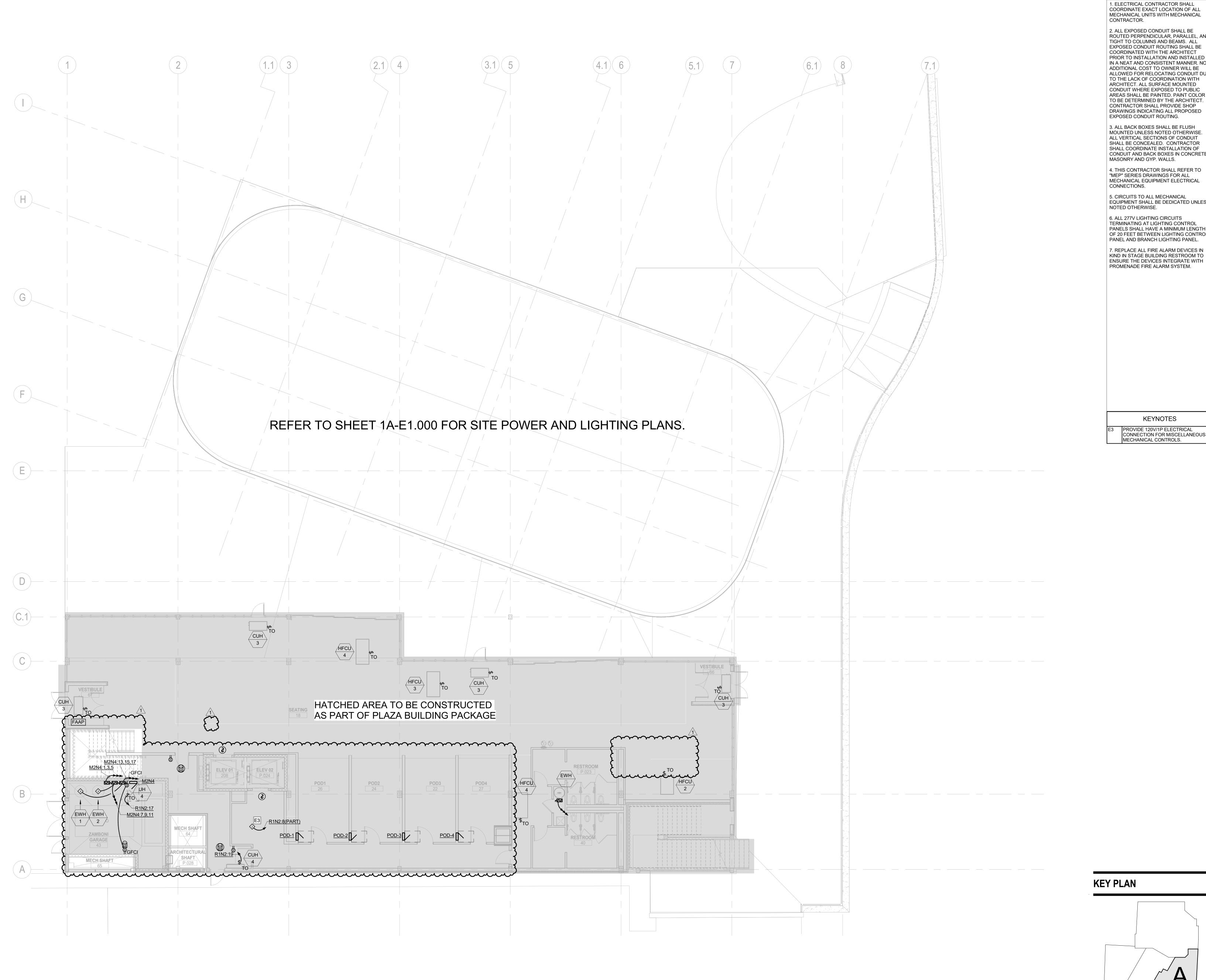
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1A-E1.102

ELECTRICAL CONDUIT PLAN - LEVEL 02 PLAZA



**ALTERRA** east west partners



**GENERAL NOTES:** 1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP

EXPOSED CONDUIT ROUTING. 3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL

5. CIRCUITS TO ALL MECHANICAL
EQUIPMENT SHALL BE DEDICATED UNLESS
NOTED OTHERWISE.

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6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL. 7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO ENSURE THE DEVICES INTEGRATE WITH

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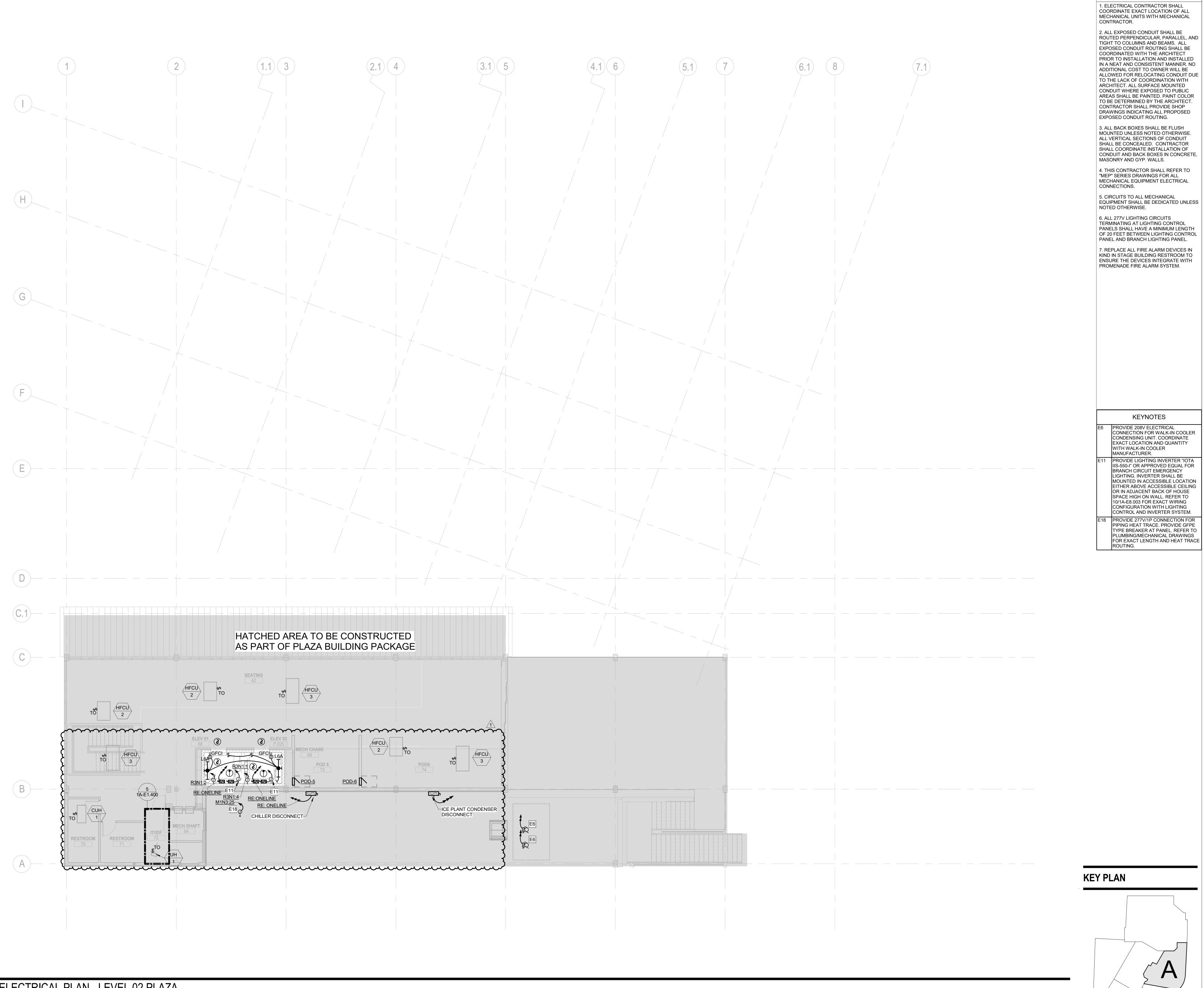
PROMENADE - ELECTRICAL PLAN -

LEVEL 01

1/8" = 1'-0"

1A-E1.201

ELECTRICAL PLAN - LEVEL 01 PLAZA



**GENERAL NOTES:** 1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL

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CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS. 4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL

5. CIRCUITS TO ALL MECHANICAL
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6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL. 7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO

**KEYNOTES** 

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003.7835.000

PROMENADE - ELECTRICAL PLAN -LEVEL 02

1/8" = 1'-0"

1A-E1.202

ELECTRICAL PLAN - LEVEL 02 PLAZA



1. REFER TO SHEET 1A-E0.002 FOR LIGHT FIXTURE SCHEDULE.

DESIGN PHASES.

6. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 6" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.

7. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.

IN ALL PATH OF EGRESS. THERE SHOULD NOT BE MORE THAN 80' SPACING BETWEEN EXIT SIGNS.

CENTER, ELECTRICAL,
TELECOMMUNICATION, MECHANICAL AND FIRE PUMP ROOMS SHALL HAVE EMERGENCY POWER BACKUP FROM AN INVERTOR.

12. PROVIDE FIXTURES ON EMERGENCY POWER TO ACHIEVE 1FC AVERAGE AND 0.1 FC MINIMUM IN ALL EGRESS PATHS.

# KEYNOTES PROVIDE LIGHTING INVERTER "IOTA

BRANCH CIRCUIT EMERGENCY LIGHTING. INVERTER SHALL BE MOUNTED IN ACCESSIBLE LOCATION EITHER ABOVE ACCESSIBLE CEILING OR IN ADJACENT BACK OF HOUSE SPACE HIGH ON WALL. REFER TO 10/1A-E8.003 FOR EXACT WIRING

CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM. PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. ROOM CONTROLLER

SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL

INFORMATION. PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO

NETWORKED LIGHTING CONTROL

# **GENERAL NOTES:**

2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS.

3. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

### 4. PROVIDE DIMMABLE DRIVERS WHERE REQUIRED PER LIGHTING CONTROL.

5. SEE ELECTRICAL NARRATIVE FOR ADDITIONAL INFORMATION REGARDING OVERALL LIGHTING EQUIPMENT ONLY COSTS. SF COST ALLOWANCES SHOWN ARE ESTIMATES OF ALLOCATIONS ONLY, AND WILL BE VALIDATED DURING FUTURE

8. ALL EXIT LIGHTS OF ALL TYPES SHALL BE MOUNTED AT 8'-0" AFF UNLESS OTHERWISE NOTED. PROVIDE EXIT SIGNS

9. A MINIMUM OF 30 FOOTCANDLES SHALL BE PROVIDED FOR ALL UNDEFINED SPACES.

10. FIXTURES WITHIN THE FIRE COMMAND

14. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.

IIS-550-I" OR APPROVED EQUAL FOR

13/1A-E8.0003 FOR MORE

LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL

PROVIDE BUILDING MASTER LIGHTING CONTROL TOUCHSCREEN FOR ENTIRE CONTROL OF ALL BUILDING LIGHTING.

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Description 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

2021.08.06 BP3:PROMENADE - BULLETIN 08

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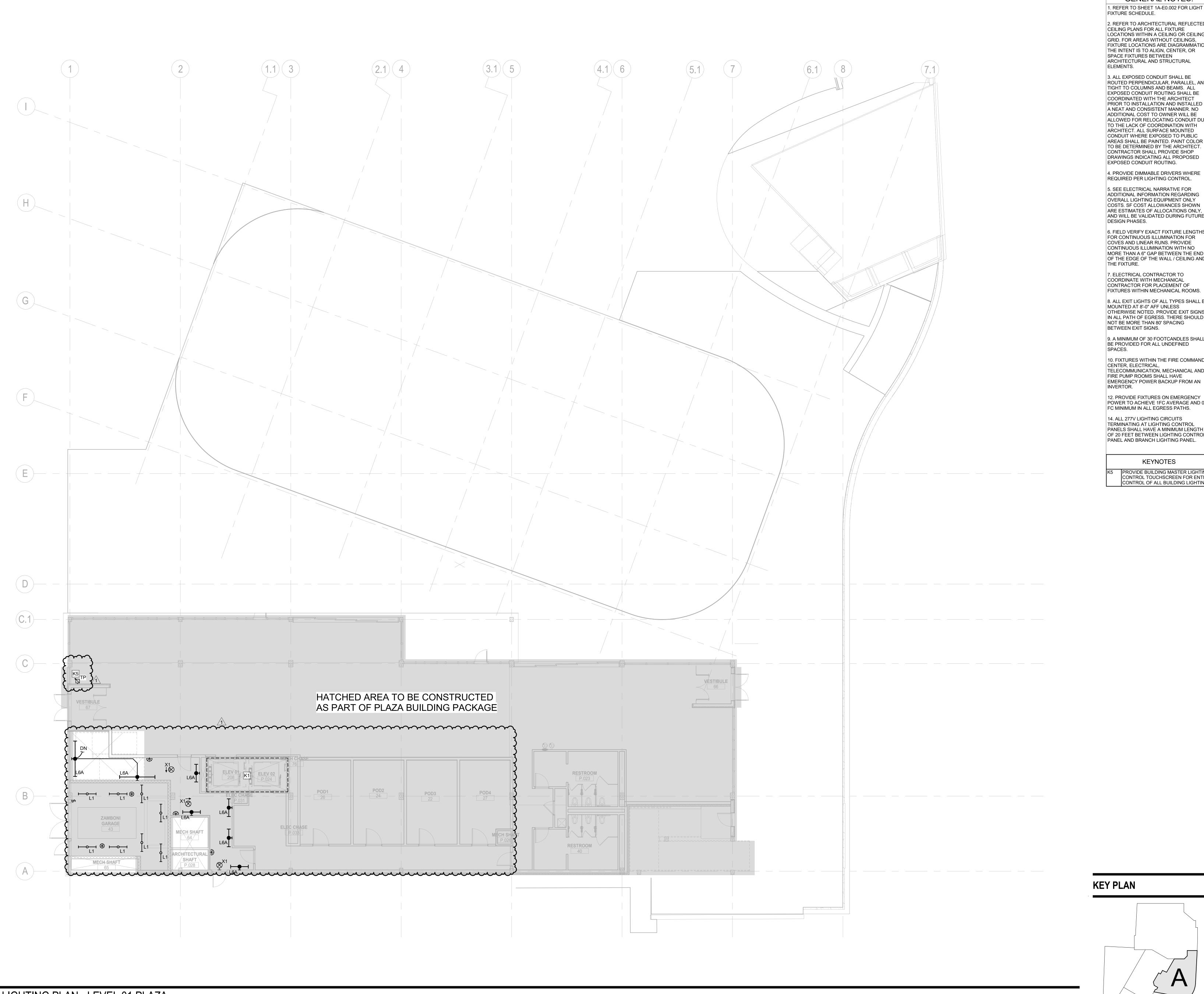
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PROMENADE - LIGHTING PLAN -LEVEL 00

1/8" = 1'-0"

1A-E1.300

LIGHTING PLAN - LOWER LEVEL 00 PROMENADE



1. REFER TO SHEET 1A-E0.002 FOR LIGHT FIXTURE SCHEDULE.

2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL

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4. PROVIDE DIMMABLE DRIVERS WHERE REQUIRED PER LIGHTING CONTROL.

5. SEE ELECTRICAL NARRATIVE FOR ADDITIONAL INFORMATION REGARDING OVERALL LIGHTING EQUIPMENT ONLY COSTS. SF COST ALLOWANCES SHOWN ARE ESTIMATES OF ALLOCATIONS ONLY, AND WILL BE VALIDATED DURING FUTURE DESIGN PHASES.

6. FIELD VERIFY EXACT FIXTURE LENGTHS FOR CONTINUOUS ILLUMINATION FOR COVES AND LINEAR RUNS. PROVIDE CONTINUOUS ILLUMINATION WITH NO MORE THAN A 6" GAP BETWEEN THE END OF THE EDGE OF THE WALL / CEILING AND THE FIXTURE.

7. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN MECHANICAL ROOMS.

8. ALL EXIT LIGHTS OF ALL TYPES SHALL BE MOUNTED AT 8'-0" AFF UNLESS OTHERWISE NOTED. PROVIDE EXIT SIGNS IN ALL PATH OF EGRESS. THERE SHOULD NOT BE MORE THAN 80' SPACING BETWEEN EXIT SIGNS.

9. A MINIMUM OF 30 FOOTCANDLES SHALL BE PROVIDED FOR ALL UNDEFINED

10. FIXTURES WITHIN THE FIRE COMMAND CENTER, ELECTRICAL,
TELECOMMUNICATION, MECHANICAL AND FIRE PUMP ROOMS SHALL HAVE EMERGENCY POWER BACKUP FROM AN

POWER TO ACHIEVE 1FC AVERAGE AND 0.1 FC MINIMUM IN ALL EGRESS PATHS.

14. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.

**KEYNOTES** 

PROVIDE BUILDING MASTER LIGHTING CONTROL TOUCHSCREEN FOR ENTIRE CONTROL OF ALL BUILDING LIGHTING.

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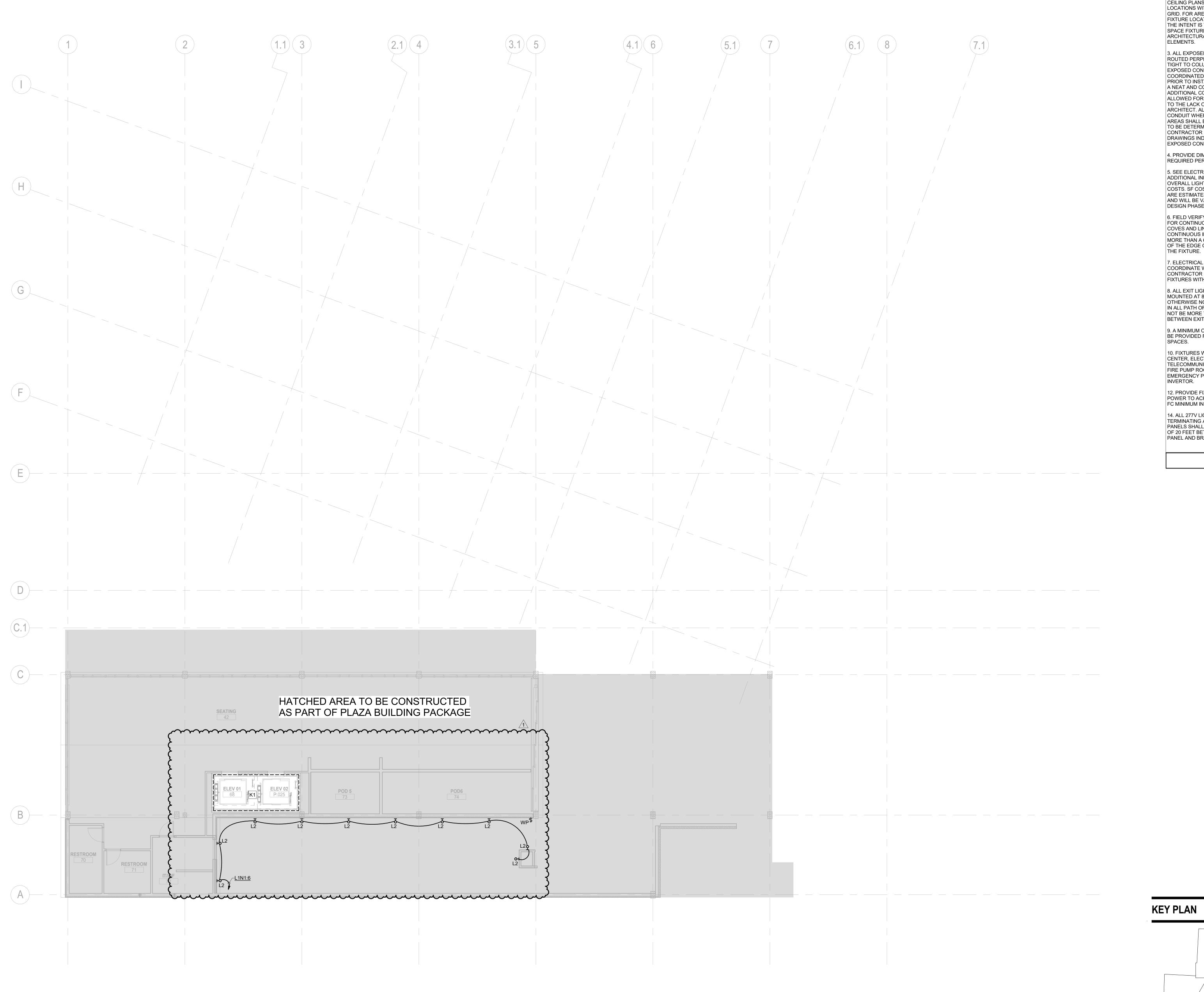
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PROMENADE - LIGHTING PLAN -LEVEL 01

1/8" = 1'-0"

1A-E1.301

LIGHTING PLAN - LEVEL 01 PLAZA



1. REFER TO SHEET 1A-E0.002 FOR LIGHT FIXTURE SCHEDULE.

2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR ALL FIXTURE LOCATIONS WITHIN A CEILING OR CEILING GRID. FOR AREAS WITHOUT CEILINGS, FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL

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4. PROVIDE DIMMABLE DRIVERS WHERE REQUIRED PER LIGHTING CONTROL.

5. SEE ELECTRICAL NARRATIVE FOR ADDITIONAL INFORMATION REGARDING OVERALL LIGHTING EQUIPMENT ONLY COSTS. SF COST ALLOWANCES SHOWN ARE ESTIMATES OF ALLOCATIONS ONLY, AND WILL BE VALIDATED DURING FUTURE DESIGN PHASES.

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10. FIXTURES WITHIN THE FIRE COMMAND CENTER, ELECTRICAL, TELECOMMUNICATION, MECHANICAL AND FIRE PUMP ROOMS SHALL HAVE EMERGENCY POWER BACKUP FROM AN INVERTOR.

12. PROVIDE FIXTURES ON EMERGENCY POWER TO ACHIEVE 1FC AVERAGE AND 0.1 FC MINIMUM IN ALL EGRESS PATHS.

14. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL.

**KEYNOTES** 

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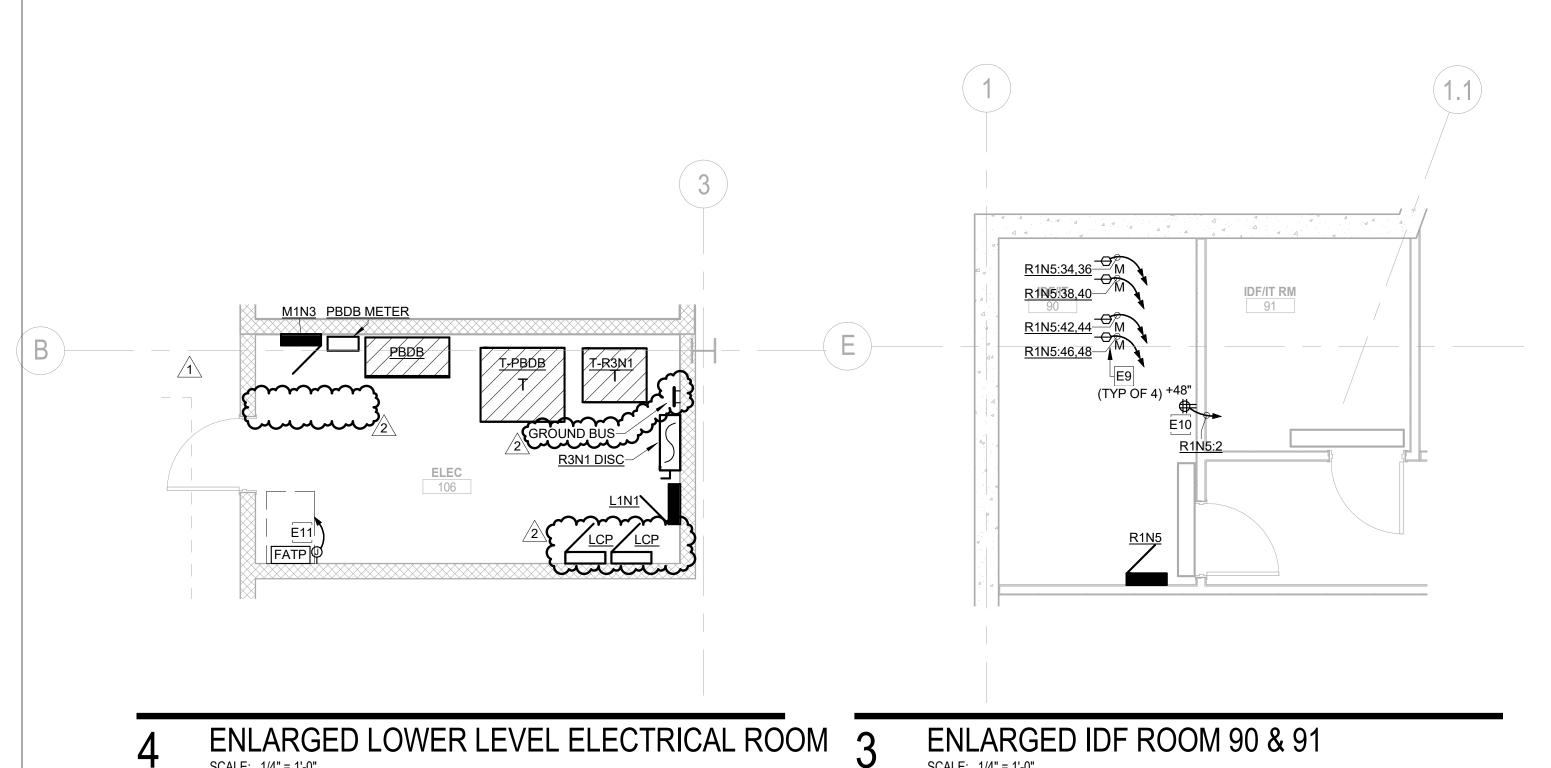
PROMENADE - LIGHTING PLAN -

LEVEL 02

1/8" = 1'-0"

1A-E1.302

LIGHTING PLAN - LEVEL 02 PLAZA

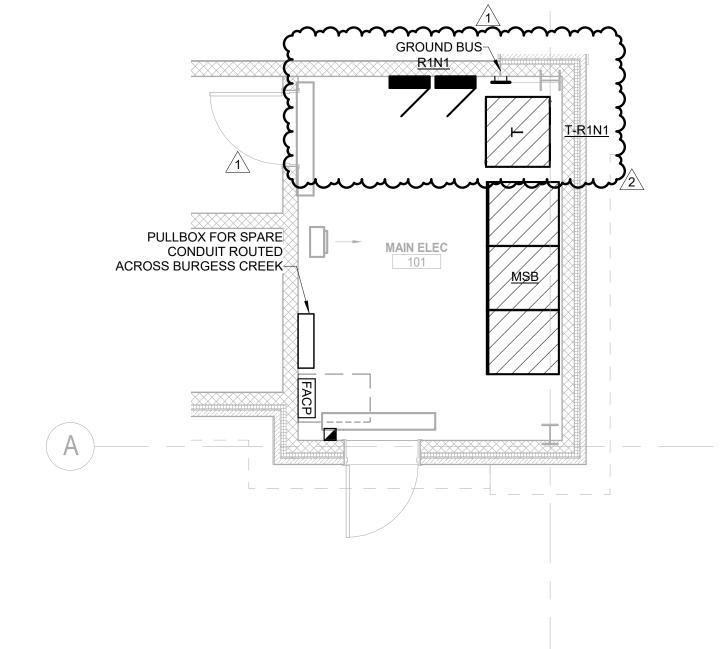


SCALE: 1/4" = 1'-0"

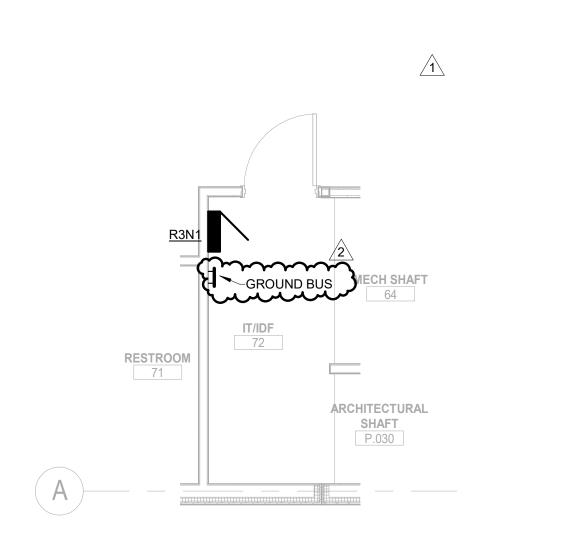
SECURE L&F/BOH -GROUND BUS RETAIL / L&F

ENLARGED ELECTRICAL ROOM 64

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



ENLARGED MAIN ELECTRICAL ROOM 45 SCALE: 1/4" = 1'-0"



ENLARGED IT/IDF ROOM 72

**GENERAL NOTES:** 1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS. 4. THIS CONTRACTOR SHALL REFER TO

"MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL PANEL AND BRANCH LIGHTING PANEL. 7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO

ENSURE THE DEVICES INTEGRATE WITH

PROMENADE FIRE ALARM SYSTEM.

**ALTERR** ★ east west partners MOUNTAIN COMPANY

> 2305 Mount Werner Circle Steamboat Springs, CO 80487

# Gensler

1225 17th Street Suite 150 Denver, CO 80202 United States

80477

Tel 970.871.9494

United States

Tel 303.431.6100

Tel 303.595.8585 Fax 303.825.6823

LANDMARK CONSULTANTS, INC.

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MARTIN/MARTIN
CONSULTING ENGINEERS 12499 West Colfax Ave. Lakewood, CO 80215

14143 Denver West Pkwy Suite 300 Golden, CO United States Tel 303.421.6655

**KEYNOTES** PROVIDE L6-30R DEVICE AT THE TOP

OF THE RACK LOCATED ON THE BACK SIDE. REFER TO TECHNOLOGY DRAWINGS FOR EXACT RACK QUANTITIES AND LOCATIONS WITHIN IT ROOM.

E10 PROVIDE QUAD DEVICE MOUNTED BEHIND ACCESS CONTROL PANEL REFER TO TECHNOLOGY DRAWINGS FOR EXACT LOCATION OF DEVICE WITH PANEL.

PROVIDE LIGHTING INVERTER "IOTA IIS-550-I" OR APPROVED EQUAL FOR BRANCH CIRCUIT EMERGENCY LIGHTING. INVERTER SHALL BE MOUNTED IN ACCESSIBLE LOCATION EITHER ABOVE ACCESSIBLE CEILING OR IN ADJACENT BACK OF HOUSE SPACE HIGH ON WALL. REFER TO 10/1A-E8.003 FOR EXACT WIRING CONFIGURATION WITH LIGHTING CONTROL AND INVERTER SYSTEM E33 ELECTRICAL CONTRACTOR AND MECHANICAL CONTRACTOR TO COORDINATE FINAL MECHANICAL

SYSTEMS ROUTING WITHIN THE HATCHED AREA AS INDICATE PER PLAN. TRANSFORMERS ARE THE ONLY ACCEPTABLE EQUIPMENT TYPE THAT CAN BE LOCATED BELOW FOREIGN (NON-ELECTRICAL) SYSTEMS.

**∆** Date Description

PERMIT 1 2021.07.30 BP3:PROMENADE - BULLETIN 07 2 2021.08.06 BP3:PROMENADE - BULLETIN 08

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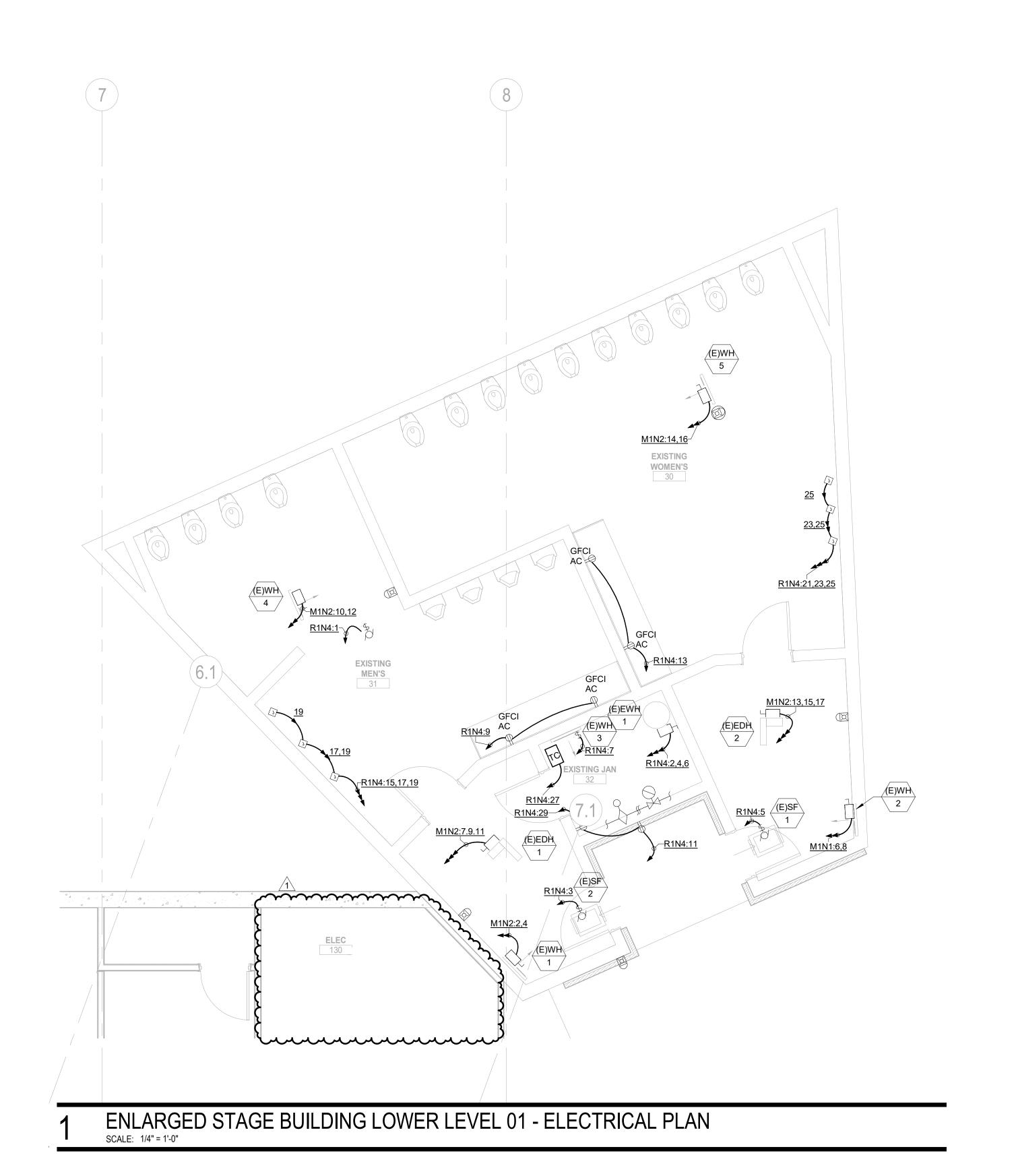
SSRC | BASE AREA **IMPROVEMENTS** 

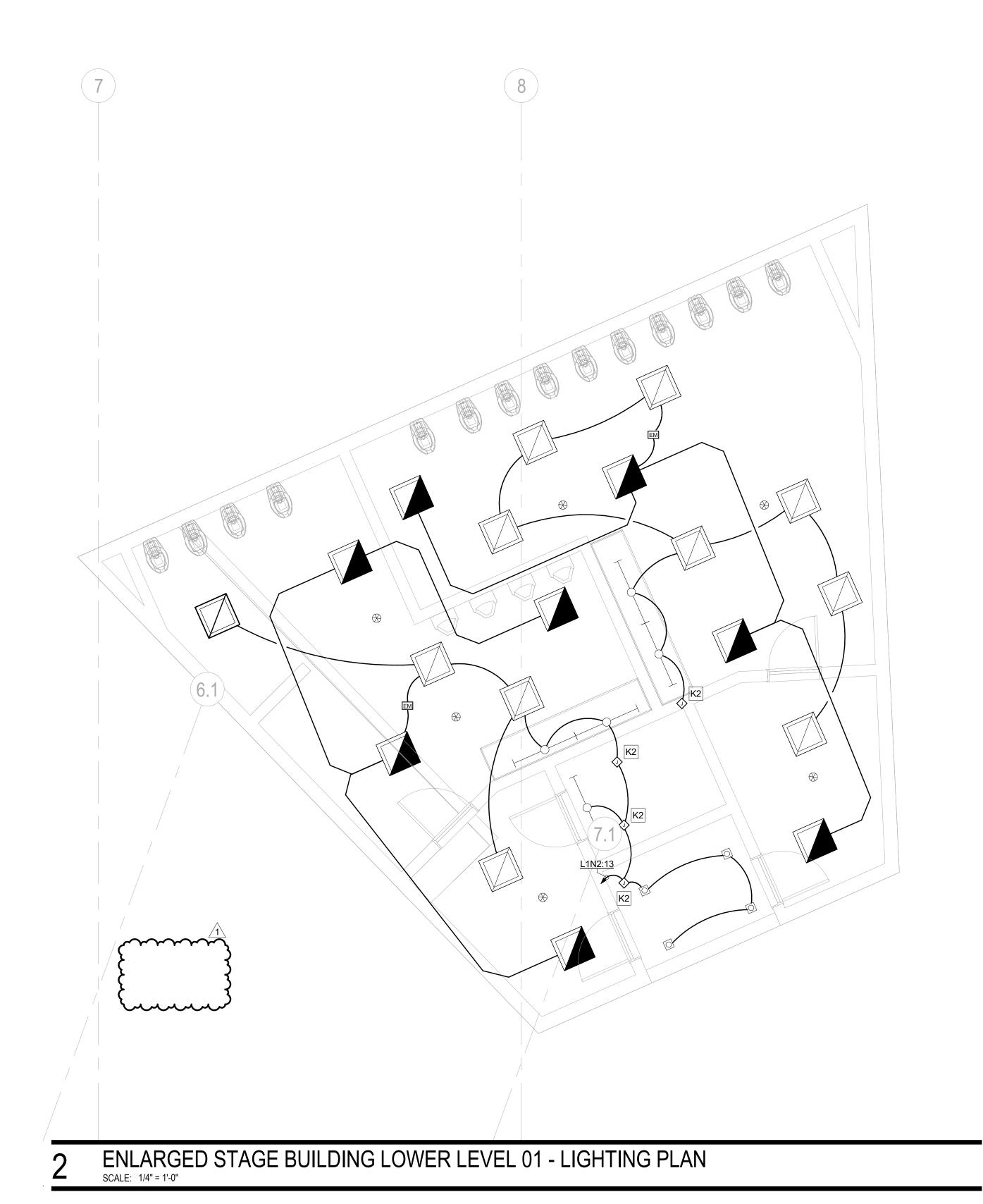
Project Number 003.7835.000

Description PROMENADE - ENLARGED ELECTRICAL AND IDF ROOMS

1/4" = 1'-0"

1A-E1.400





**GENERAL NOTES:** 1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO IN A NEAT AND CONSISTENT MANNER. NO
ADDITIONAL COST TO OWNER WILL BE
ALLOWED FOR RELOCATING CONDUIT DUE
TO THE LACK OF COORDINATION WITH
ARCHITECT. ALL SURFACE MOUNTED
CONDUIT WHERE EXPOSED TO PUBLIC
AREAS SHALL BE PAINTED. PAINT COLOR
TO BE DETERMINED BY THE ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP
DRAWINGS INDICATING ALL PROPOSED DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL
EQUIPMENT SHALL BE DEDICATED UNLESS
NOTED OTHERWISE.

80477
Tel 970.871.9494 6. ALL 277V LIGHTING CIRCUITS TERMINATING AT LIGHTING CONTROL PANELS SHALL HAVE A MINIMUM LENGTH OF 20 FEET BETWEEN LIGHTING CONTROL

PANEL AND BRANCH LIGHTING PANEL. 7. REPLACE ALL FIRE ALARM DEVICES IN KIND IN STAGE BUILDING RESTROOM TO ENSURE THE DEVICES INTEGRATE WITH PROMENADE FIRE ALARM SYSTEM.

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KEYNOTES PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL AND DIMMING FUNCTIONALITY. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT DIMMING TECHNOLOGY BEING USED ON A PER LIGHT FIXTURE BASIS. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM.

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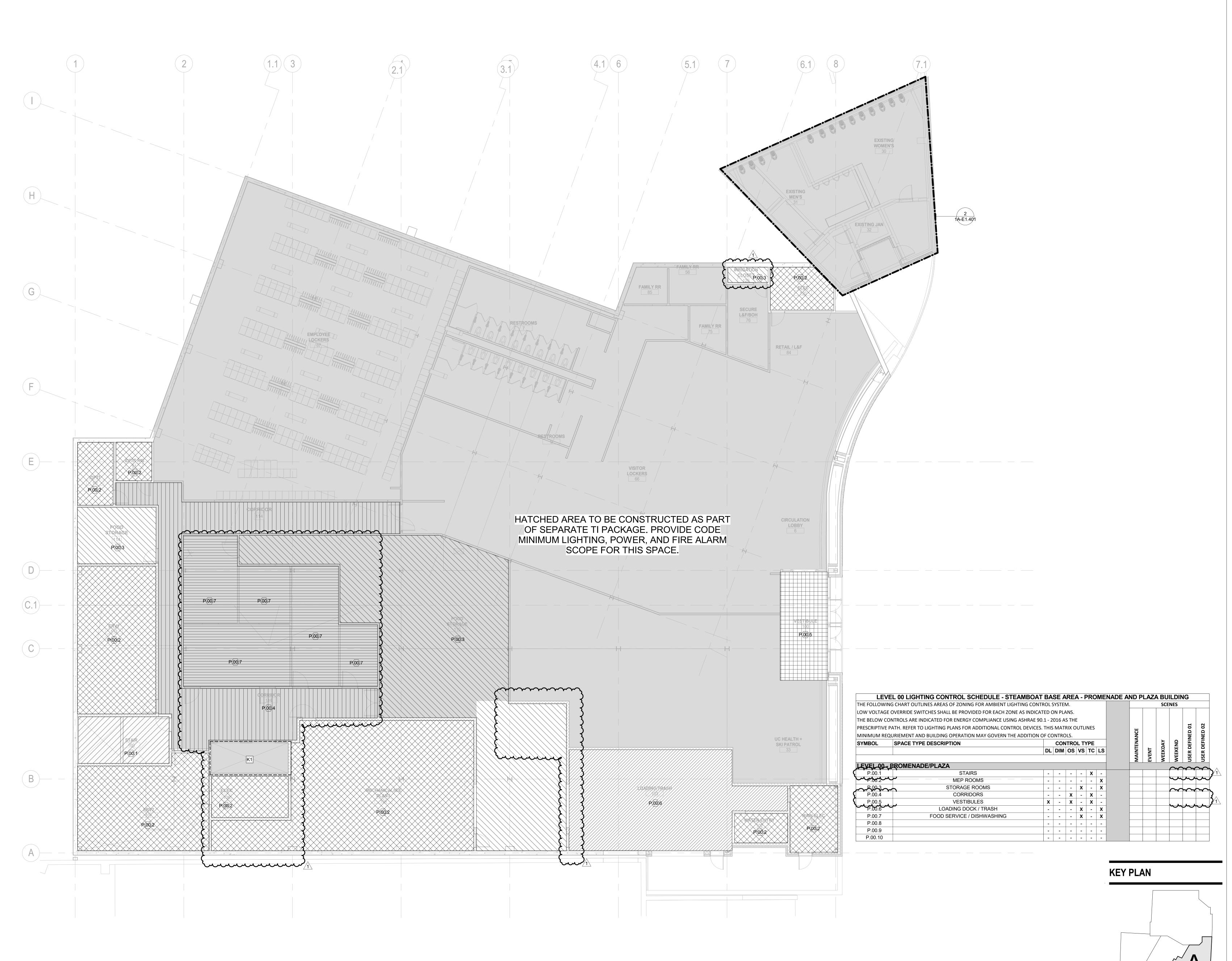
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PROMENADE - ENLARGED STAGE **BUILDING LOWER LEVEL** 

1/4" = 1'-0"

1A-E1.401





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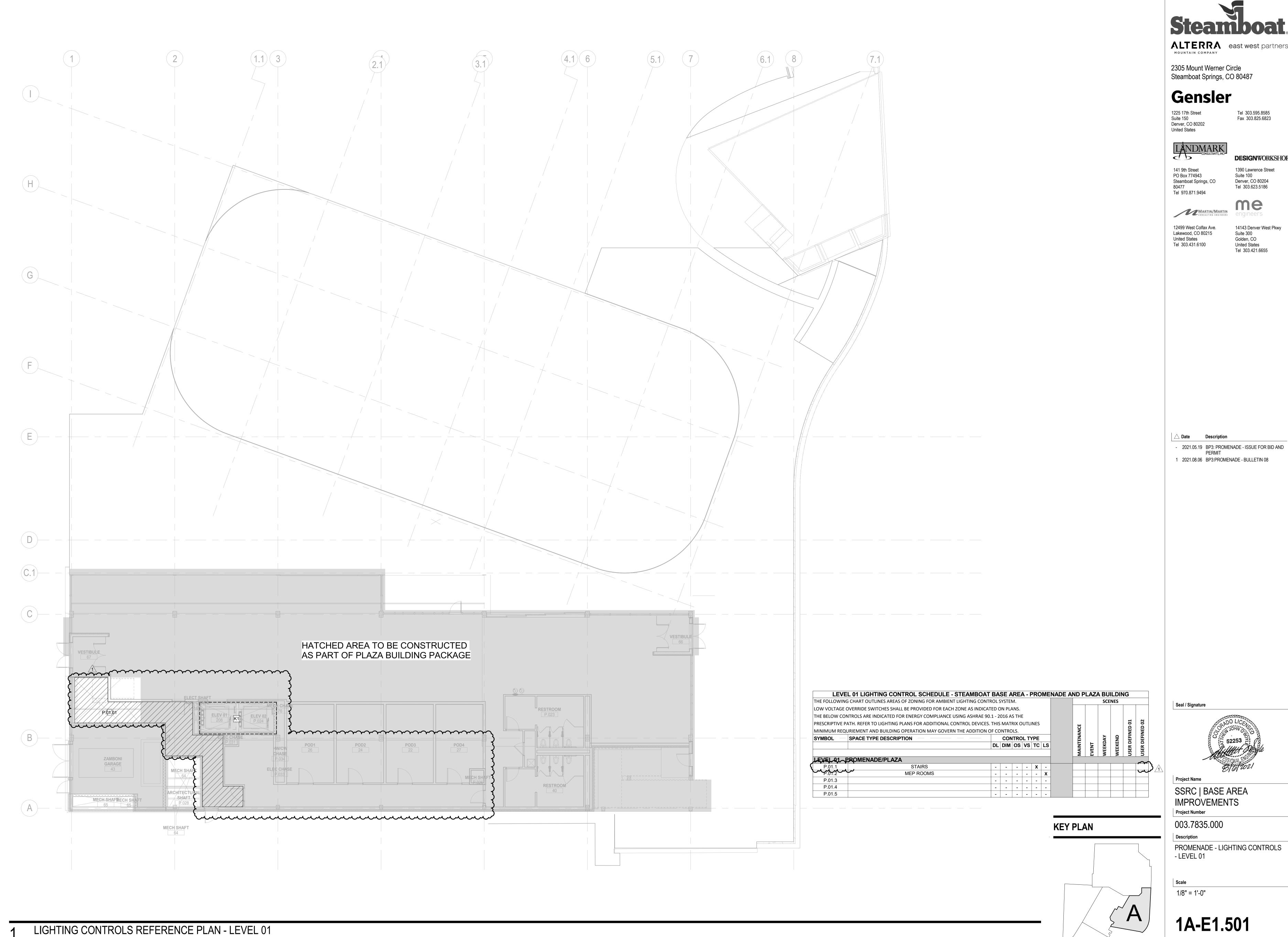
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PROMENADE - LIGHTING CONTROLS - LEVEL 00

1/8" = 1'-0"

1A-E1.500

REFERENCE PLAN - LEVEL 00



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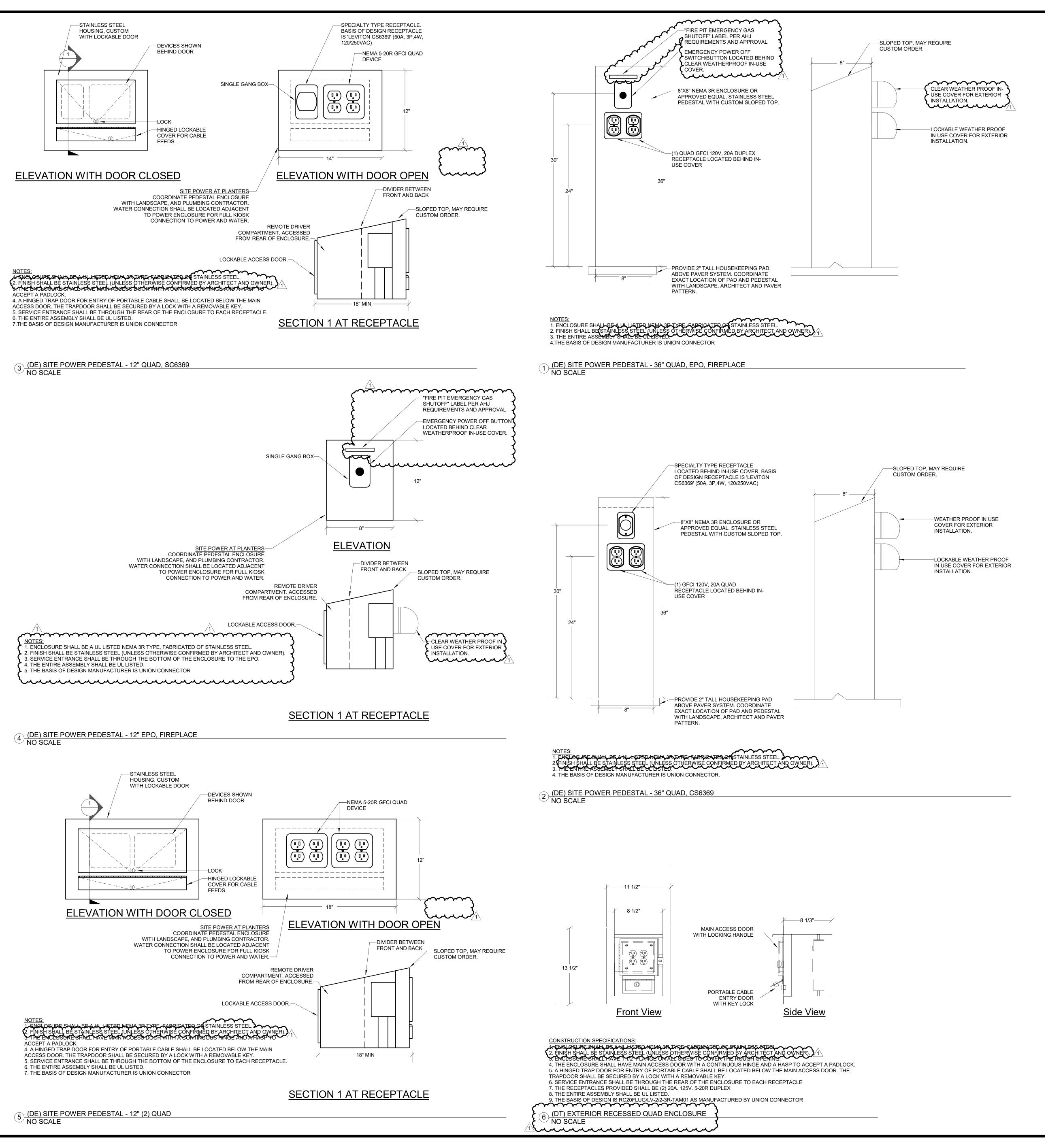
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PROMENADE - LIGHTING CONTROLS - LEVEL 01

1/8" = 1'-0"

1A-E1.501



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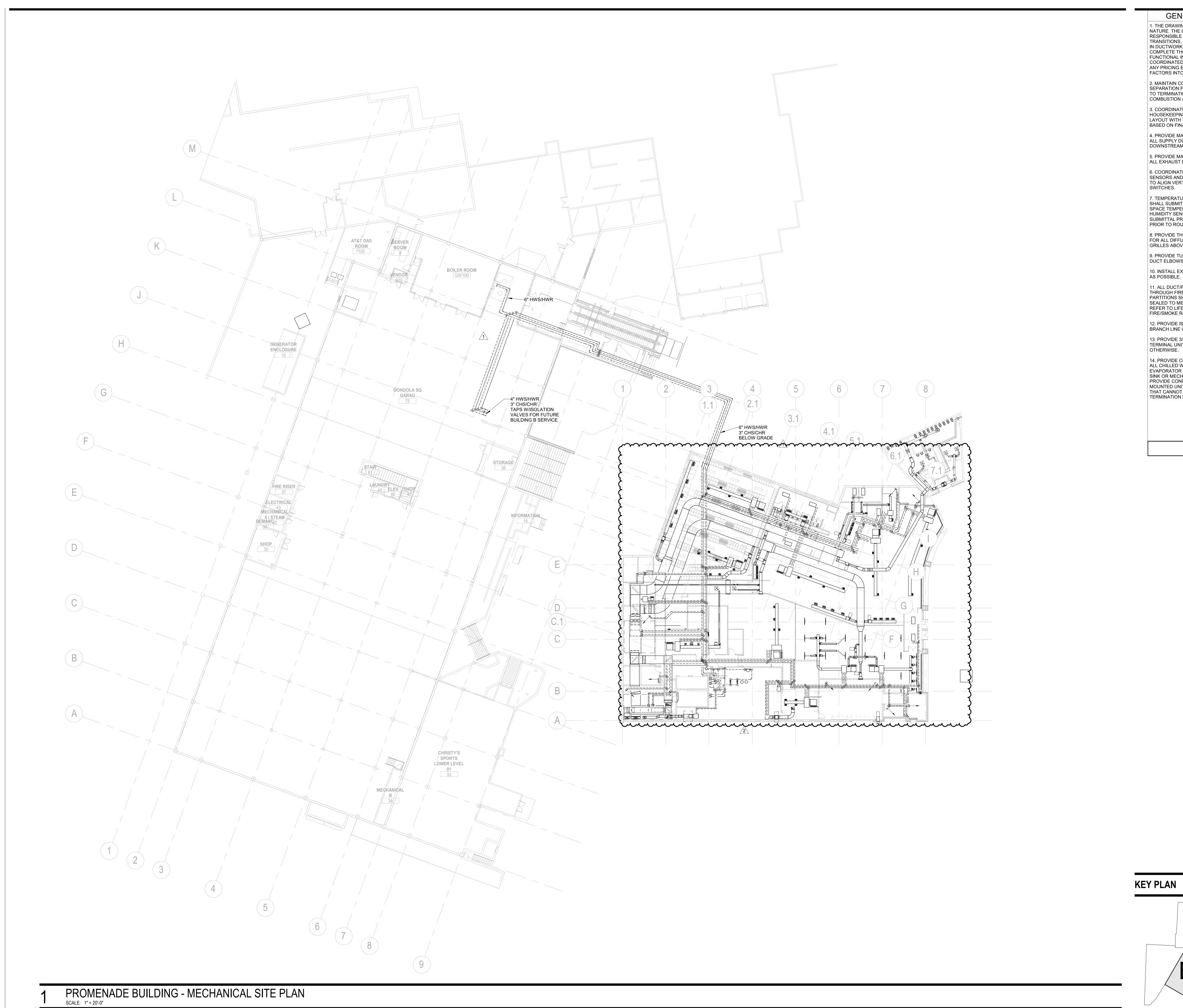
**Project Number** 

Description

PROMENADE - ELECTRICAL DETAILS

NO SCALE

1A-E8.002



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

3. COORDINATE EQUIPMENT
HOUSEKEEPING PAD DIMENSIONS AND
LAYOUT WITH THE GENERAL CONTRACTOR
BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS. 6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

7. TEMPERATURE CONTROLS CONTRACTOR SHALL SUBMIT PLANS INDICATING ALL SPACE TEMPERATURE SENSORS, T-STATS, HUMIDITY SENSORS, ETC. AS PART OF SUBMITTAL PROCESS FOR A/E REVIEW PRIOR TO ROUGH-IN.

8. PROVIDE THROUGH FACE BALANCING FOR ALL DIFFUSERS, REGISTERS, AND GRILLES ABOVE INACCESSIBLE AREAS.

9. PROVIDE TURNING VANES IN ALL 90° DUCT ELBOWS.

10. INSTALL EXPOSED DUCTWORK AS HIGH AS POSSIBLE. 11. ALL DUCT/PIPE PENETRATIONS THROUGH FIRE RATED/SMOKE RATED

PARTITIONS SHALL BE CAULKED AND SEALED TO MEET THE RATING REQUIRED.
REFER TO LIFE SAFETY DRAWINGS FOR
FIRE/SMOKE RATING REQUIREMENTS. 12. PROVIDE ISOLATION VALVES AT EACH BRANCH LINE OFF OF RISER.

13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED OTHERWISE.

14. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

KEYNOTES

# □ Date Description

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND PERMIT

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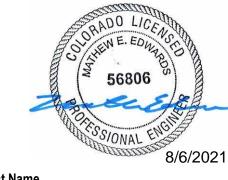
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1 2021.06.29 BP3: PROMENADE - BULLETIN 02 2 2021.08.06 BP3:PROMENADE - BULLETIN 08

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Project Name

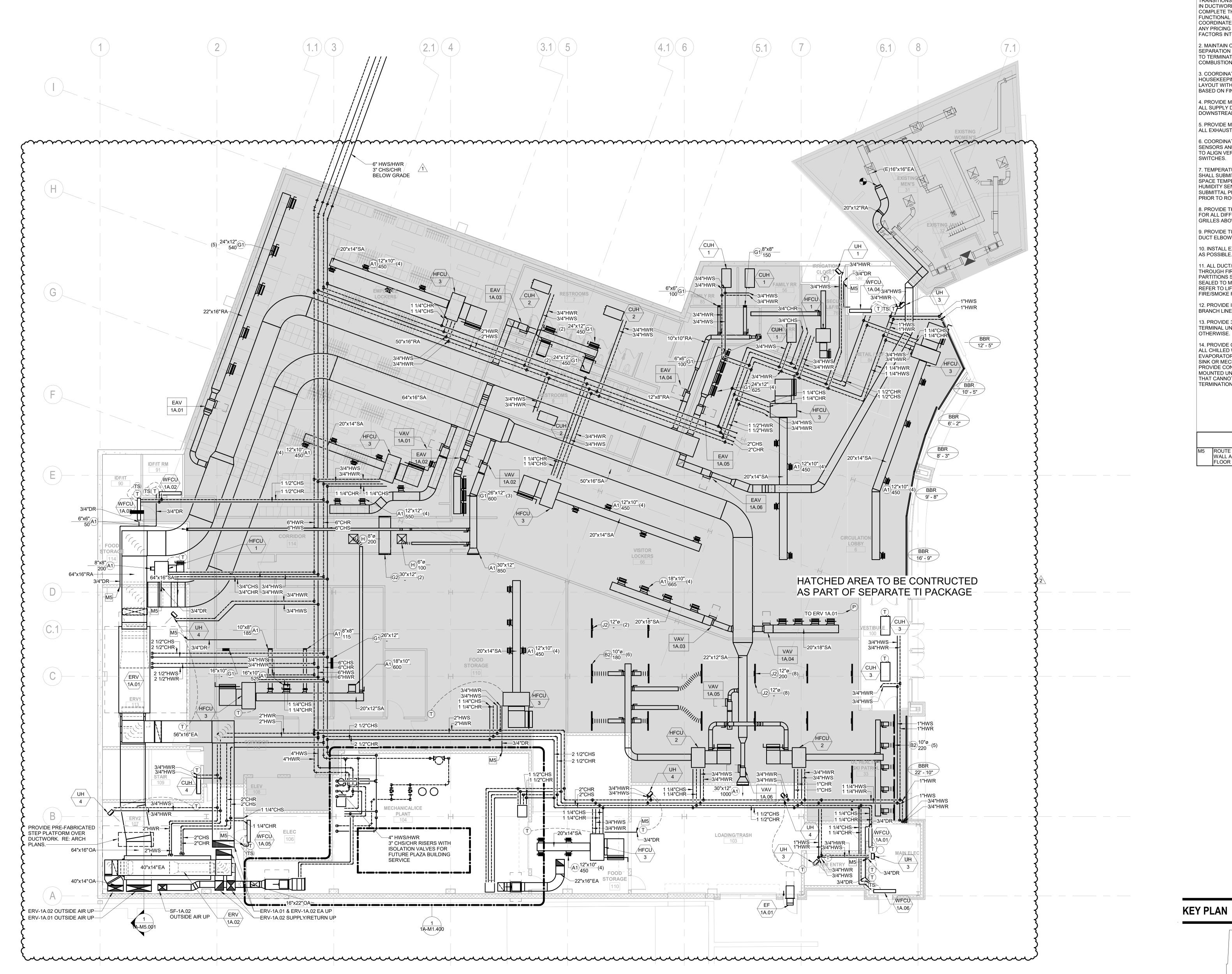
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003.7835.000

PROMENADE - MECHANICAL SITE PLAN

1" = 20'-0"

1A-M1.100



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

3. COORDINATE EQUIPMENT HOUSEKEEPING PAD DIMENSIONS AND LAYOUT WITH THE GENERAL CONTRACTOR BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS. 6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

7. TEMPERATURE CONTROLS CONTRACTOR SHALL SUBMIT PLANS INDICATING ALL SPACE TEMPERATURE SENSORS, T-STATS, HUMIDITY SENSORS, ETC. AS PART OF SUBMITTAL PROCESS FOR A/E REVIEW PRIOR TO ROUGH-IN.

8. PROVIDE THROUGH FACE BALANCING FOR ALL DIFFUSERS, REGISTERS, AND GRILLES ABOVE INACCESSIBLE AREAS.

9. PROVIDE TURNING VANES IN ALL 90° DUCT ELBOWS.

AS POSSIBLE. 11. ALL DUCT/PIPE PENETRATIONS THROUGH FIRE RATED/SMOKE RATED PARTITIONS SHALL BE CAULKED AND

10. INSTALL EXPOSED DUCTWORK AS HIGH

SEALED TO MEET THE RATING REQUIRED. REFER TO LIFE SAFETY DRAWINGS FOR FIRE/SMOKE RATING REQUIREMENTS. 12. PROVIDE ISOLATION VALVES AT EACH BRANCH LINE OFF OF RISER.

13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED OTHERWISE.

14. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

**KEYNOTES** 

ROUTE CONDENSATE DRAIN DOWN IN WALL AND STUB OUT OF WALL TO FLOOR DRAIN.

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 ∆ Date Description 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

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Project Name

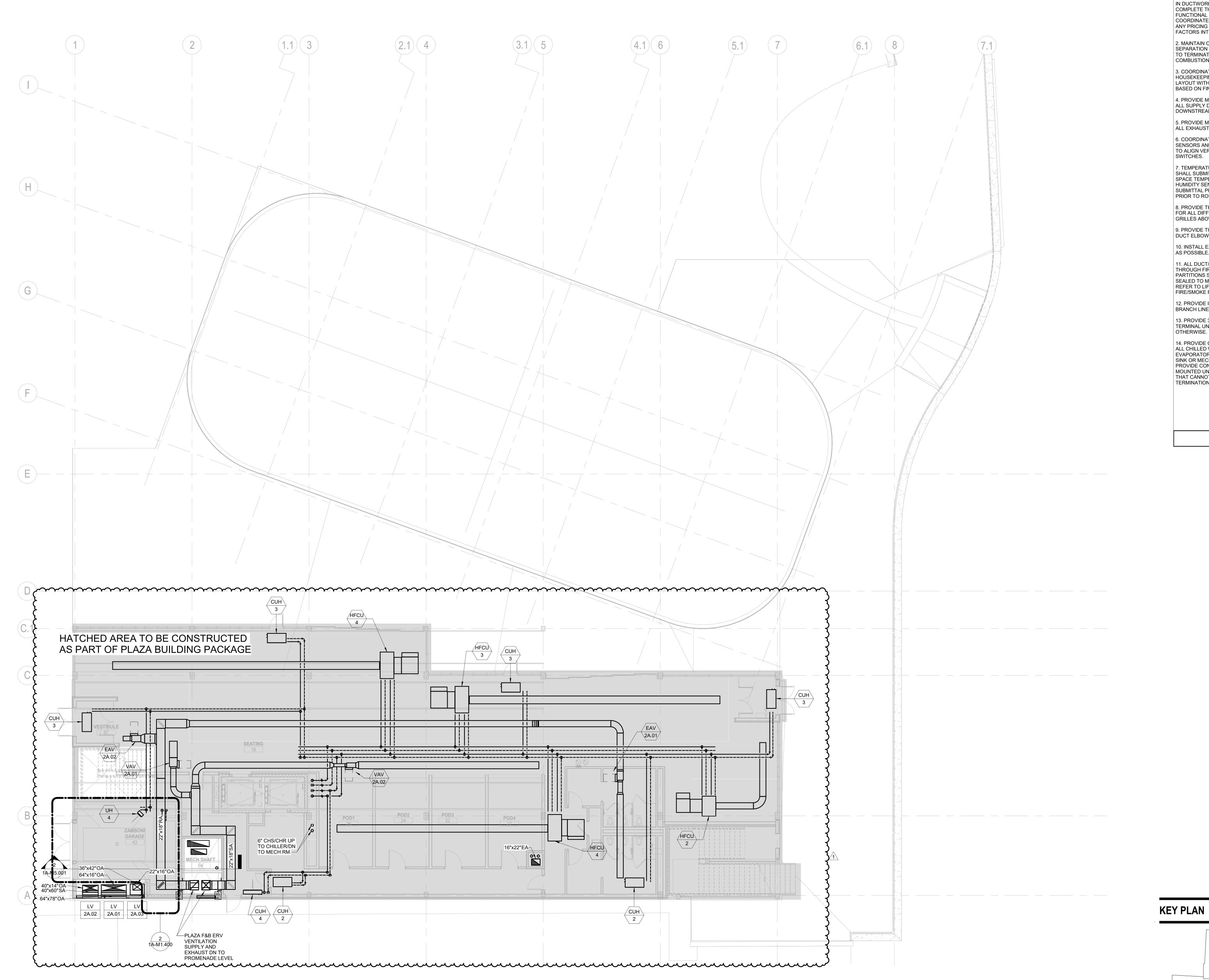
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003.7835.000

PROMENADE - MECHANICAL PLAN -LEVEL 00

1/8" = 1'-0"

1A-M1.200



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

Steamboat Springs, CO 80487

3. COORDINATE EQUIPMENT
HOUSEKEEPING PAD DIMENSIONS AND
LAYOUT WITH THE GENERAL CONTRACTOR
BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN 1225 17th Street ALL SUPPLY DUCT BRANCH TAPS Suite 150 DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS. 6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

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BRANCH LINE OFF OF RISER. 13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED OTHERWISE.

14. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

KEYNOTES

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Project Name

**Project Number** 

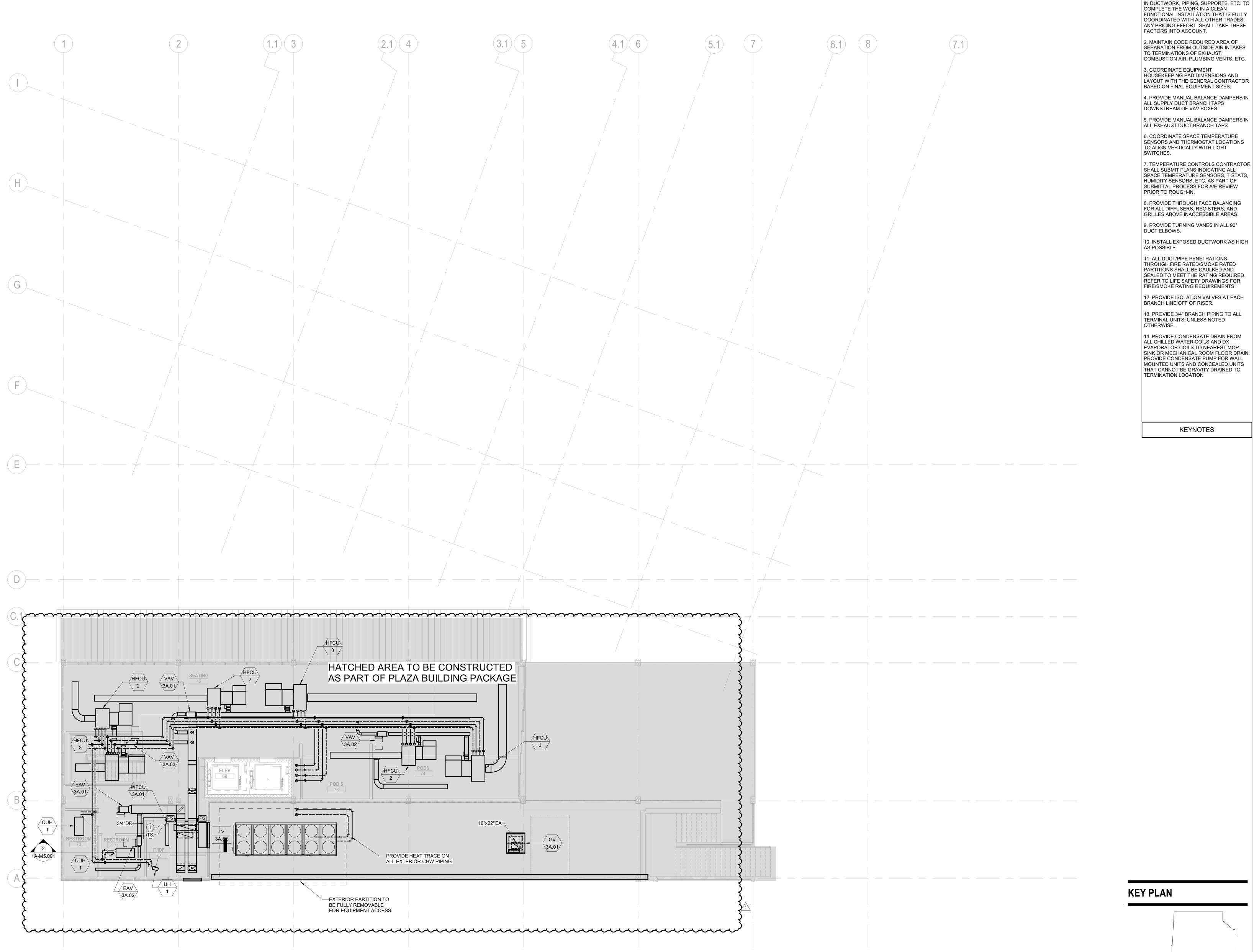
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003.7835.000

PROMENADE - MECHANICAL PLAN -LEVEL 01

1/8" = 1'-0"

1A-M1.201



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

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Steamboat Springs, CO 80487

3. COORDINATE EQUIPMENT
HOUSEKEEPING PAD DIMENSIONS AND
LAYOUT WITH THE GENERAL CONTRACTOR
BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN 1225 17th Street ALL SUPPLY DUCT BRANCH TAPS Suite 150 DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS. 6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

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AS POSSIBLE. 11. ALL DUCT/PIPE PENETRATIONS THROUGH FIRE RATED/SMOKE RATED

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BRANCH LINE OFF OF RISER. 13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED

14. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

KEYNOTES

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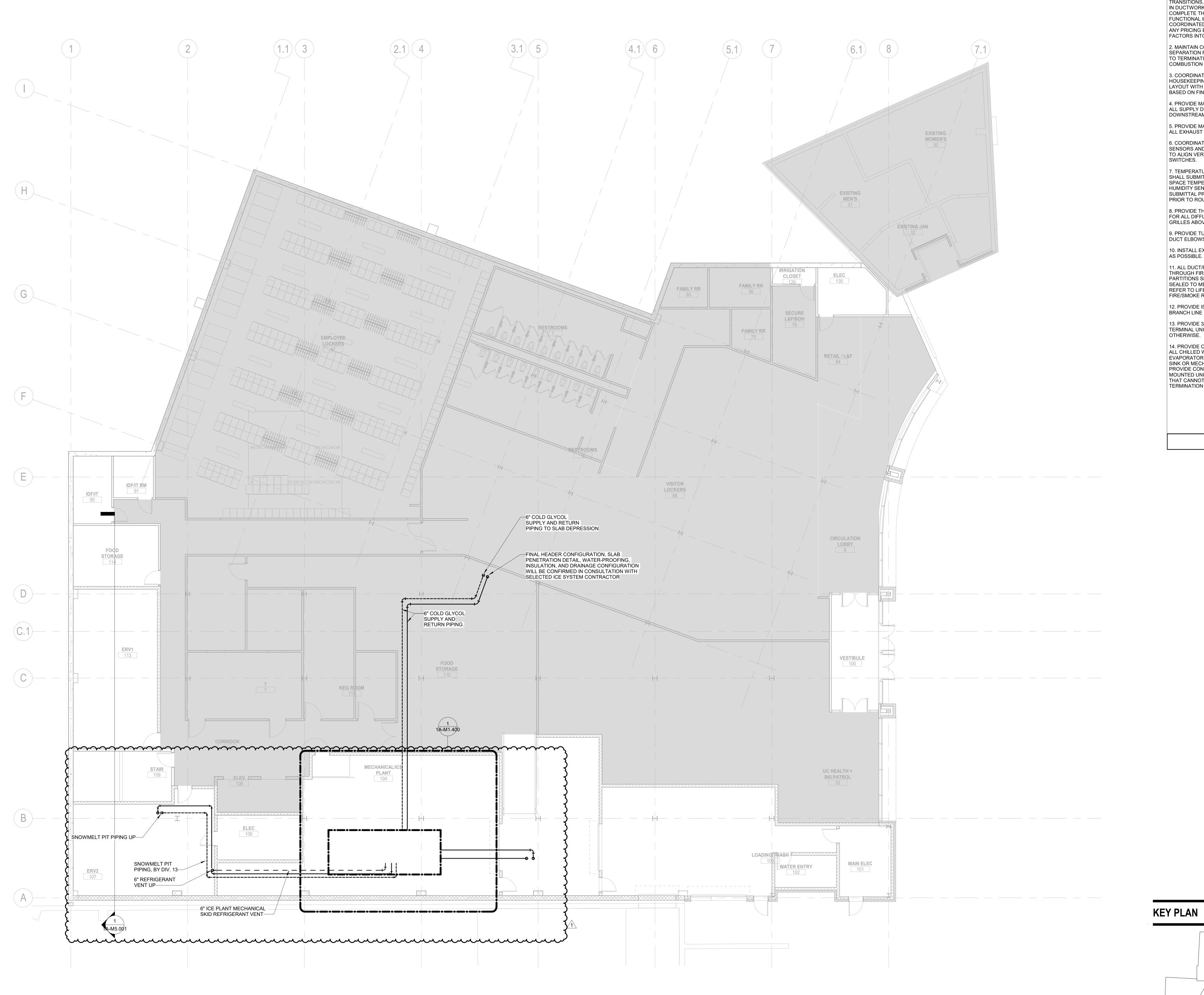
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PROMENADE - MECHANICAL PLAN -LEVEL 02

1/8" = 1'-0"

1A-M1.202

MECHANICAL PLAN - LEVEL 02 PLAZA



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE

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3. COORDINATE EQUIPMENT
HOUSEKEEPING PAD DIMENSIONS AND
LAYOUT WITH THE GENERAL CONTRACTOR
BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS. 6. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

7. TEMPERATURE CONTROLS CONTRACTOR SHALL SUBMIT PLANS INDICATING ALL SPACE TEMPERATURE SENSORS, T-STATS, HUMIDITY SENSORS, ETC. AS PART OF SUBMITTAL PROCESS FOR A/E REVIEW PRIOR TO ROUGH-IN.

8. PROVIDE THROUGH FACE BALANCING FOR ALL DIFFUSERS, REGISTERS, AND GRILLES ABOVE INACCESSIBLE AREAS.

9. PROVIDE TURNING VANES IN ALL 90° DUCT ELBOWS.

10. INSTALL EXPOSED DUCTWORK AS HIGH AS POSSIBLE. 11. ALL DUCT/PIPE PENETRATIONS THROUGH FIRE RATED/SMOKE RATED PARTITIONS SHALL BE CAULKED AND

SEALED TO MEET THE RATING REQUIRED.
REFER TO LIFE SAFETY DRAWINGS FOR
FIRE/SMOKE RATING REQUIREMENTS. 12. PROVIDE ISOLATION VALVES AT EACH BRANCH LINE OFF OF RISER.

13. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED OTHERWISE.

14. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

KEYNOTES

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND 1 2021.08.06 BP3:PROMENADE - BULLETIN 08

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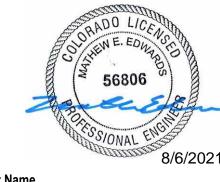
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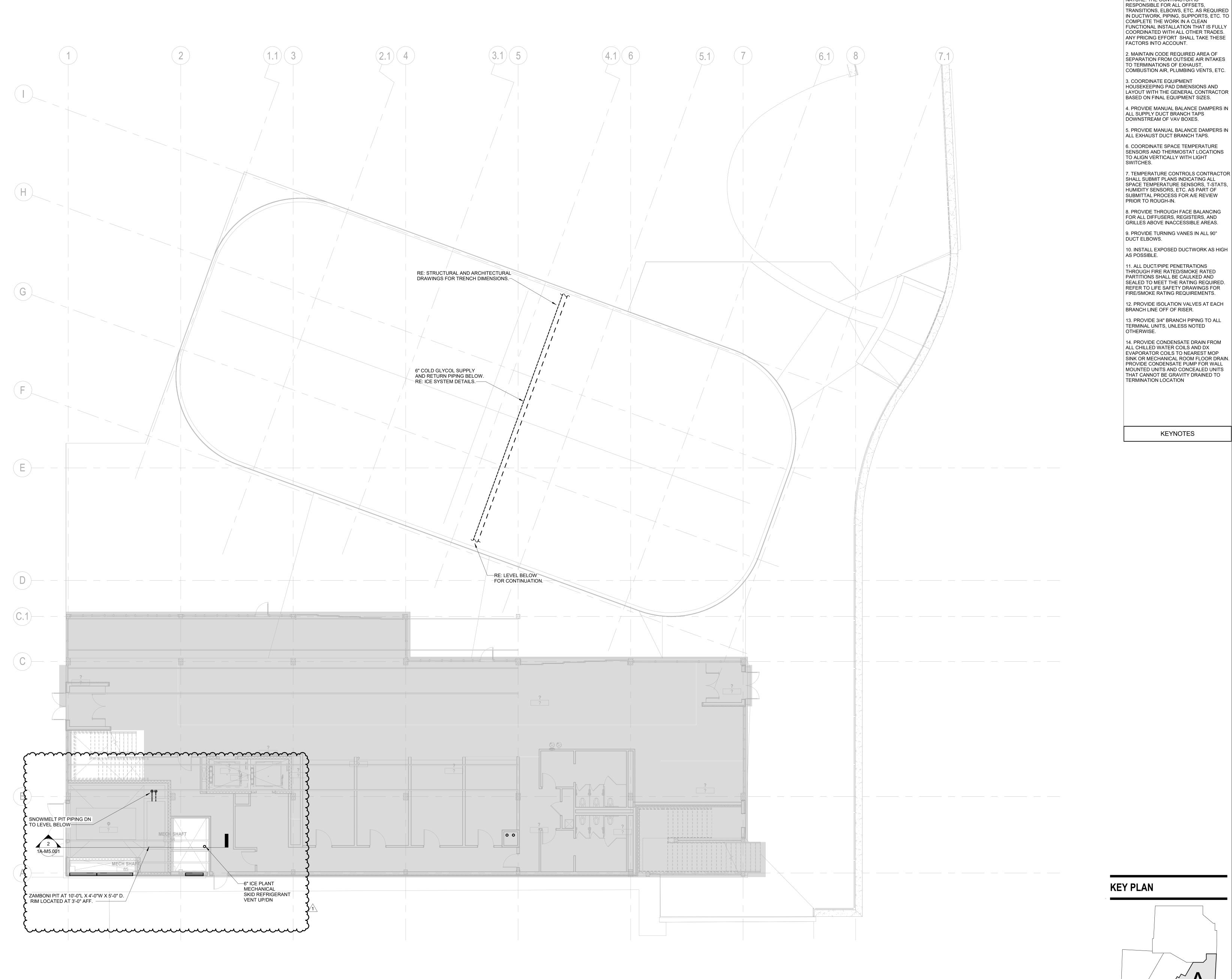
003.7835.000

PROMENADE - ICE PLANT PLAN -LEVEL 00

1/8" = 1'-0"

1A-M1.300

ICE PLANT PLAN - LOWER LEVEL 00 PROMENADE



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

Steamboat Springs, CO 80487

3. COORDINATE EQUIPMENT
HOUSEKEEPING PAD DIMENSIONS AND
LAYOUT WITH THE GENERAL CONTRACTOR
BASED ON FINAL EQUIPMENT SIZES.

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KEYNOTES

- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND PERMIT

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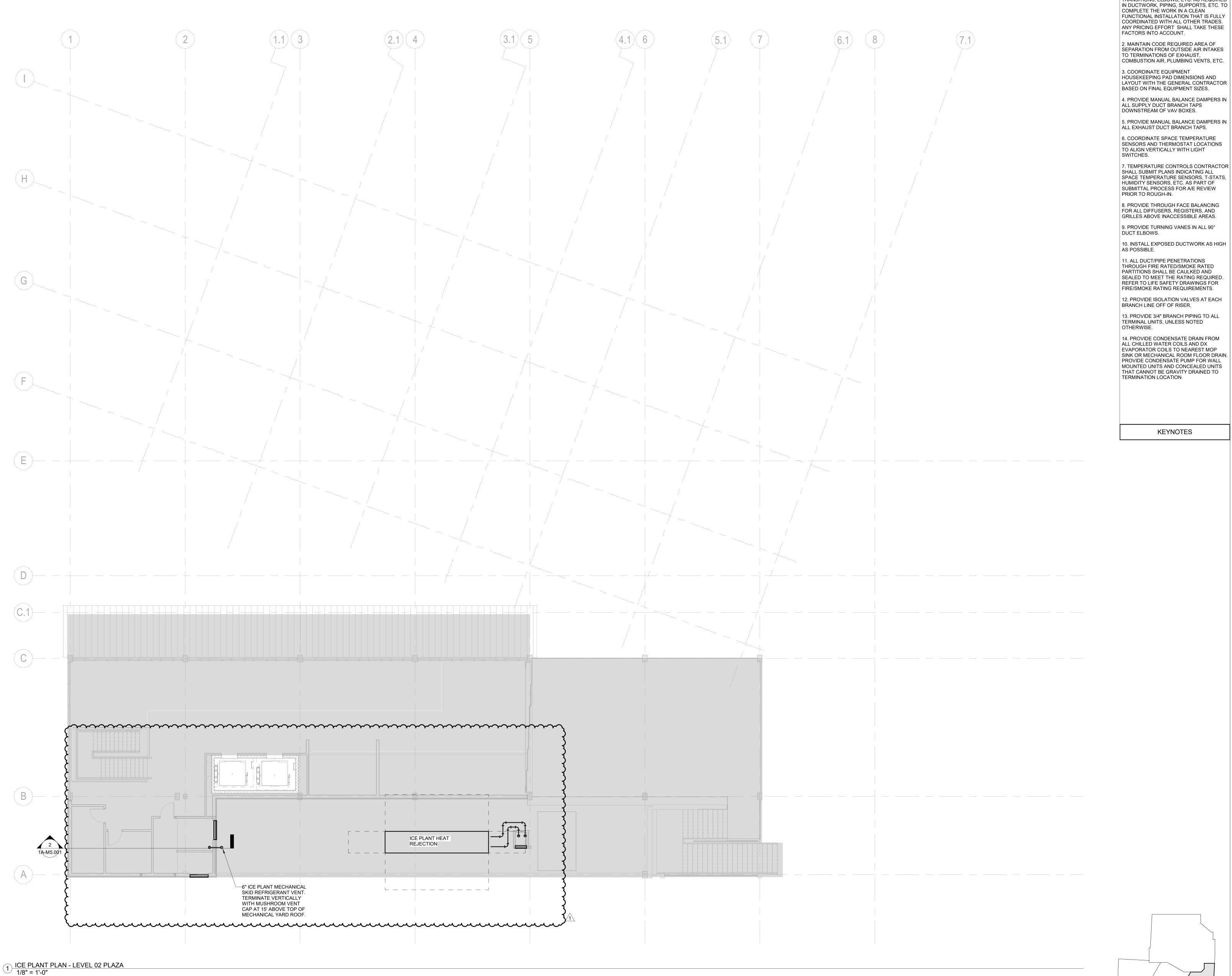
**Project Number** 003.7835.000

PROMENADE - ICE PLANT PLAN -LEVEL 01

1/8" = 1'-0"

1A-M1.301

ICE PLANT PLAN - LEVEL 01 PLAZA



1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

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Steamboat Springs, CO 80487

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KEYNOTES

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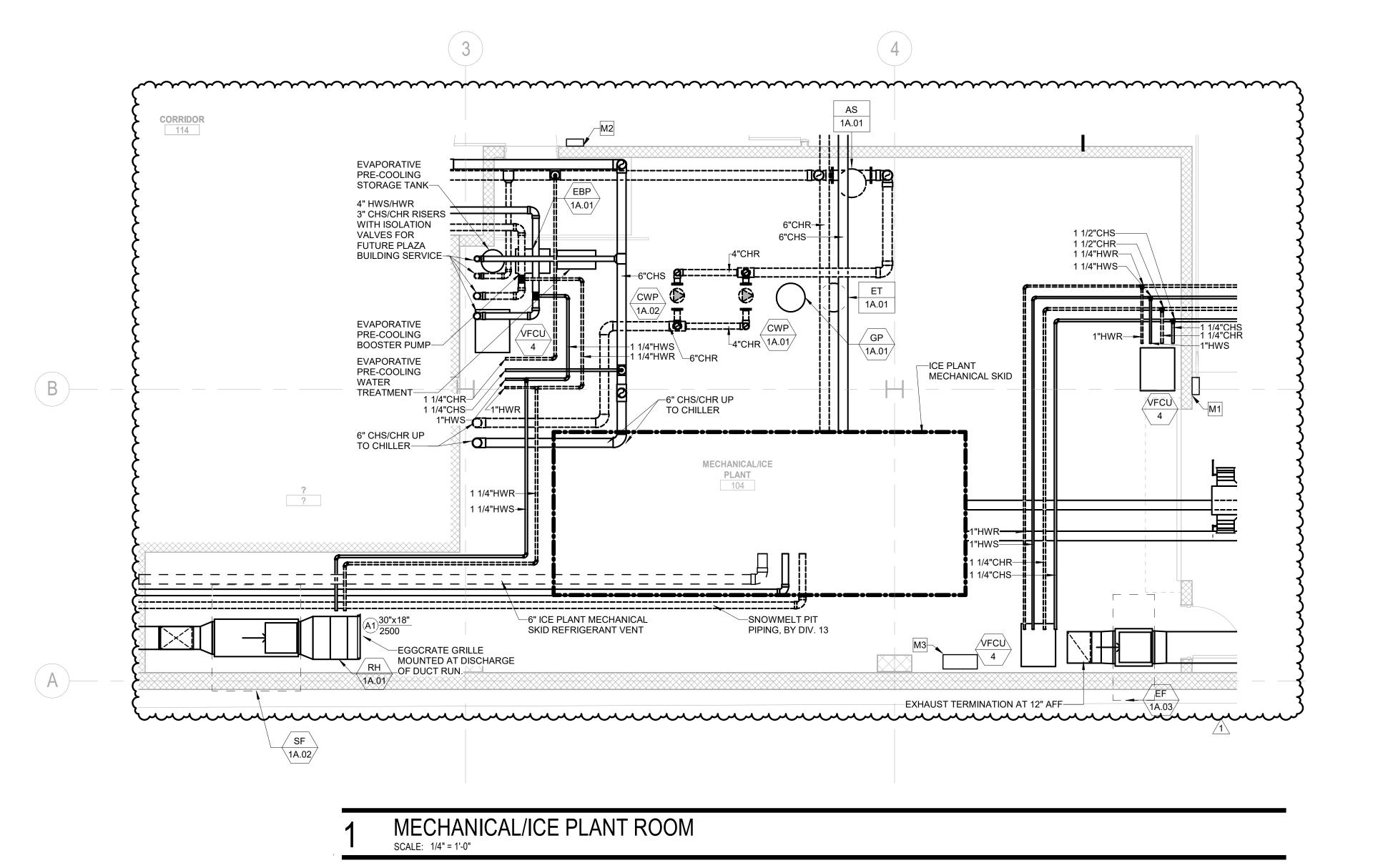
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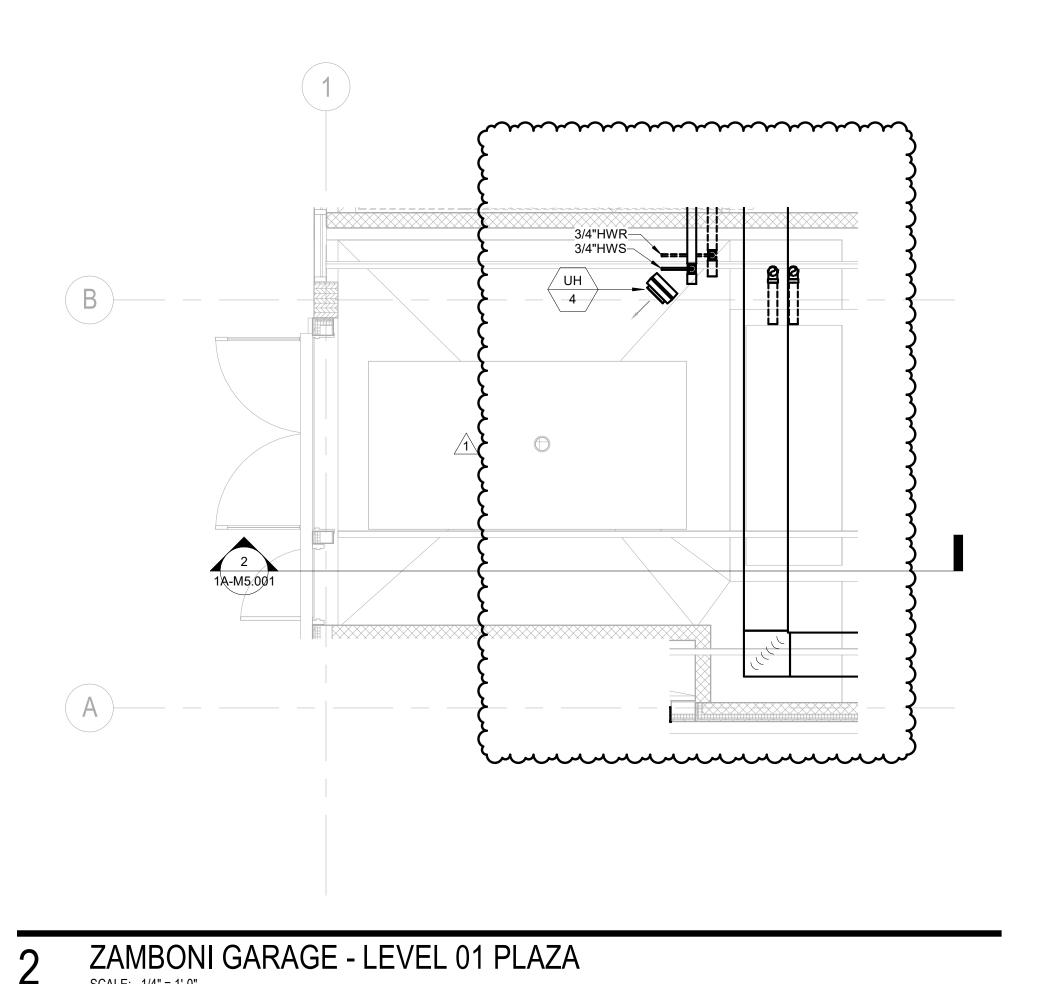
Project Number 003.7835.000

PROMENADE - ICE PLANT PLAN -LEVEL 02

1/8" = 1'-0"

1A-M1.302





1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

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# **KEYNOTES**

- REFRIGERANT LEAK DETECTION SYSTEM REMOTE MONITORING
- REFRIGERANT LEAK DETECTION SYSTEM REMOTE MONITORING
- REFRIGERANT LEAK MONITORING SYSTEM. RE: SPECIFICATION 13 10 61

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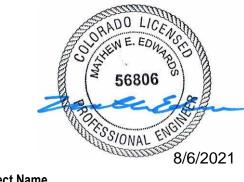
ICE RINK REFRIGERATION AND PIPING.

**∆** Date Description

2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

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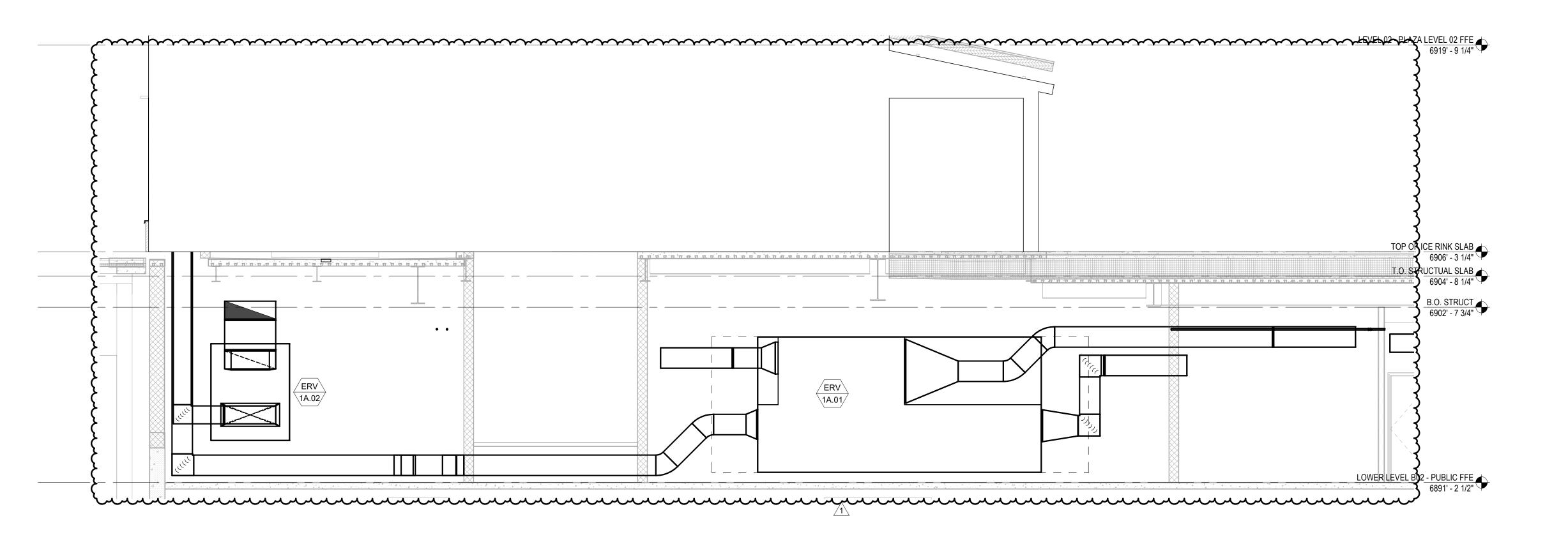
PROMENADE - MECHANICAL ENLARGED PLANS

1/4" = 1'-0"

1A-M1.400

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**KEY PLAN** 



# PROMENADE MECHANICAL SECTION 1

 $\cdots$ LEVEL 02 - PLAZA LEVEL 02 FFE 6919' - 9 1/4" T.O. S RUCTUAL SLAB 6904' - 8 1/4" B.O. STRUCT 6902' - 7 3/4" ⁻14"x40"EA LOWER LEVEL B02 - PUBLIC FFE 6891' - 2 1/2" The transmission of the tr

PROMENADE MECHANICAL SECTION 2
SCALE: 1/4" = 1'-0"



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PROMENADE - MECHANICAL SECTIONS

1/4" = 1'-0"

1A-M5.001

		Eľ	NEKC	jY				K 50	U,	H	EDULE/POINTS LIST
SYSTEM: ENERGY METERING SYSTEM											
			ENERG	Y DE	MA	ND	ENER	GY CON	ISU		ON
POINT DESCRIPTION	TYPE	LOAD CATEGORY	UNIT	HOURLY PEAK		>   4	ANNOAL PEAK UNIT	HOURLY TOTAL	DAILY TOTAL	MONTHLY TOTAL	ANNUAL TOTAL  REMARKS
BUILDING MAIN ELECTRICAL SERVICE METER	Е	MAIN	kW	Х		X X				( X	
PANEL L1N2 - LIGHTING	Е	LTG	kW	Х	Х	X X	X kW	h X	Х	( X	X
PLAZA BUILDING KITCHEN PODS - POD-1	Е	PLUG	kW	Х	Х	X X	X kW	h X	X	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PLAZA BUILDING KITCHEN PODS - POD-2	Е	PLUG	kW	Х	Х	x >	X kW	h X	Х	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PLAZA BUILDING KITCHEN PODS - POD-3	Е	PLUG	kW	Х	Х	X	X kW	h X	X	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PLAZA BUILDING KITCHEN PODS - POD-4	Е	PLUG	kW	Х	Х	X	X kW	h X	X	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PLAZA BUILDING KITCHEN PODS - POD-5	Е	PLUG	kW	Х	Х	X	X kW	h X	X	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PLAZA BUILDING KITCHEN PODS - POD-6	Е	PLUG	kW	Х	Х	X	X kW	h X	X	( X	X DATA FOR EACH KITCHEN POD DERIVED VIA SINGLE CONNECTION TO KITCHEN POD METERING SYSTEM.
PANEL L1N1 - LIGHTING	Е	LTG	kW	Х	Х	X	X kW	h X	X	( X	X OBTAIN PANEL LOAD BY DEDUCTING PANEL R3N1 METERED USAGE FROM PANEL L1N1 METERED USAGE.
PANEL R3N1 - PLUG LOADS	Е	PLUG	kW	Х	Х	X X	X kW	h X	X	( X	x
CHILLER ELECTRICITY METER	Е	MECH	kW	Х	Х	X X	X kW	h X	X	( X	x
BANELBINI-PLUGLQADS	~~ <del>\</del>	PLUG	~~\\\~	<b>~</b>	<b>~</b> ~	*~	K-JKW	~~×	X	<b>\</b> \	**************************************
PANEL M2N4 - ZAMBONI ROOM PLUG LOADS	E	PLUG	kW	Х	Х	x >	X kW	h X		( X	
PANEL M1N3 - MECHANICAL LOADS	Е	MECH	kW	Х	Х	X X	X kW	h X	X	( X	X OBTAIN PANEL LOAD BY DEDUCTING ZAMBONI ROOM METERED USAGE FROM PNAEL M1N3 METERED USAGE
PANEL M1N2 - MECHANICAL LOADS PANEL R1N4 - PLUG LOADS	E	MECH	kW kW	×	×	X >	X kW	-	×	X	X OBTAIN PANEL LOAD BY DEDUCTING PANEL R1N4 METERED USAGE FROM PANEL M1N2 METERED USAGE.
PANEL M1N1 - MECHANICAL LOADS	Е	MECH	kW	Х	Х	X X	x kW	h X	X	( X	x
ICE PLANT ELECTRICITY METER	Е	MECH	kW	Х	Х	X X	X kW	h X	X	( X	X
BUILDING LIGHTING	VIR		kW	Х	Х	X X	x kW	h X	X	( X	X OBTAIN BY ADDING ALL BUILDING LTG METERS
BUILDING HVAC/PLUMBING	VIR		kW	Х	Х	X X	x kW	h X	X	( X	X OBTAIN BY ADDING ALL BUILDING MECH METERS. DO NOT DOUBLE COUNT SUB-METERS.
BUILDING PLUG LOAD	VIR		kW	Х	Х	X X	X kW	h X	X	X	X OBTAIN BY ADDING ALL BUILDING PLUG LOAD METERS. DO NOT DOUBLE COUNT SUB-METERS.
CHILLER PLANT BTU METER	BTU	MECH	TONS	Х	Х	X X	X TON-	HRS X	X	X	
CHILLER PLANT EFFICIENCY	VIR		kW/TON		+						SEE NOTE 10 BELOW.
PROMENADE BUILDING MAIN NATURAL GAS SERVICE METER	NG	MAIN	тн/н	_	_		X THER		+	_	
NATURAL GAS SERVICE TO PLAZA BUILDING KITCHENS	NG	MECH	TH/H	_	_		X THER		+-	_	
NATURAL GAS SERVICE TO PLAZA FIRE PITS	NG	MECH	TH/H	X	X	X 2	X THER	MS X	X	X	X
MAIN DOMESTIC WATER SERVICE	DW	MAIN	GAL/H	х	x	X	X GA	LX	X	( X	X
ICE PLANT PROCESS WATER	DW	PLB	GAL/H	_	_	X			+	( X	
			,		_	X			-	( X	

1. TYPE CODES:

E: ELECTRICITY

NG: NATURAL GAS DW: DOMESTIC WATER

BTU: BTU METER

VIR: VIRTUAL METER OBTAINED VIA ADDITION OR SUBTRACTION 2. LOAD CATEGORIES:

MAIN: MAIN BUILDING METER

MECH: MECHANICAL LTG: LIGHTING

PLB: PLUMBING

PLUG: PLUG LOAD PROC: PROCESS

3. ALL METERS SHALL RECORD AT INTERVALS OF ONE HOUR OR LESS.

4. ALL METERS SHALL REPORT BOTH DEMAND (kW OR BTU/h) AND CONSUMPTION (kWh OR THERMS) UNLESS OTHERWISE NOTED.

5. MAIN ELECTRICAL SERVICE ENTRANCE METERS SHALL RECORD POWER FACTOR AND REPORT HOURLY. RECORD HOURLY VALUES FOR A MINIMUM OF THREE YEARS.

6. ALL METERS INDICATED SHALL HAVE DIRECT CONNECTION TO THE BMS VIA SERIAL COMMUNICATION UNLESS OTHERWISE NOTED. 7. RECORDED DATA FOR EACH METER SHALL INCLUDE HOURLY, DAILY, MONTHLY, AND ANNUAL PEAK DEMAND AND TOTAL CONSUMPTION. INFORMATION FOR EACH METER POINT INDICATED SHALL BE REPORTED AT THE

BMS OPERATOR STATION IN CALENDAR FORMAT. DATA SHALL BE STORED FOR A MINIMUM OF THREE YEARS. 8. METERED DATA SHALL BE REMOTELY ACCESSIBLE THROUGH THE BMS.

9. METERING SYSTEM SHALL BE EXPANDABLE TO INCLUDE ADDITIONAL METERS FOR SHELL AREAS INDICATED ON ARCHITECTURAL DRAWINGS.

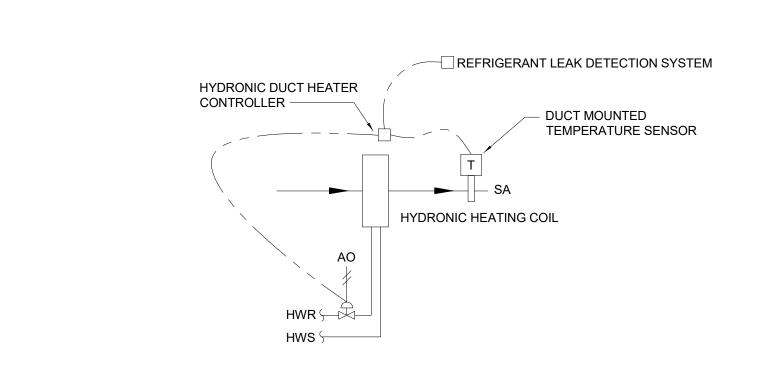
10. REPORT HOURLY CHILLER PLANT kW/TON USING 1 HOUR MEASUREMENT OF TOTAL ELECTRICITY CONSUMED (kWh) DIVIDED BY SAME 1 HOUR MEASUREMENT OF TOTAL COOLING ENERGY PRODUCED (TON-HRS).

REPORT MONTHLY MAXIMUM AND MINIMUM CHILLER kW/TON. DATA SHALL BE STORED FOR A MINIMUM OF THREE YEARS. 11. WHERE METERED CATEGORY VIRTUAL POINTS ARE INDICATED, DO NOT DOUBLE COUNT SUB-METERS. FOR METERS IN SERIES, COUNT ONLY THE UPSTREAM METER IN THE CATEGORY TOTAL.

REFRIGERANT LEAK DETECTION SYSTEM - HARD WIRE INTERLOCKS (TYP.)

A ICE PLANT EXHAUST FAN CONTROL NONE

A. FAN SHALL BE INTERLOCKED WITH SUPPLY FAN SERVING SAME AREA. FAN TO RUN CONTINUOUSLY AT A LOW SPEED OF 700CFM. UPON REFRIGERANT LEAK DETECTION SYSTEM ACTIVATION, MODULATE FAN TO HIGH SPEED OF 2500CFM.



# B HYDRONIC REHEAT COIL CONTROL NONE

A. INTERLOCK HYDRONIC DUCT HEATER WITH VENTILATION SUPPLY FAN SERVING SAME AREA. MODULATE CONTROL VALVE TO MAINTAIN VENTILATION SUPPLY AIR TEMPERATURE OF 65F (ADJ.) CONTINUOUSLY.

MOTORIZED OUTSIDE AIR EAV 1A.06 AND ERV 1A.01 - HARD WIRE INTERLOCKS (TYP.)

C STAGE TOILET EXHAUST SYSTEM

A. EXISTING SUPPLY FAN SHALL BE INTERLOCKED WITH ERV 1A.01 AND EAV 1A.06. FAN TO RUN CONTINUOUSLY WHILE ERV 1A.01 IS RUNNING.

MOTORIZED DAMPER OUTSIDE AIR REFRIGERANT LEAK DETECTION SYSTEM — HARD WIRE INTERLOCKS (TYP.)

C ICE PLANT SUPPLY FAN VENTILATION CONTROL

A. FAN SHALL BE INTERLOCKED WITH EXHAUST FAN SERVING SAME AREA. FAN TO RUN CONTINUOUSLY AT A LOW SPEED OF 700CFM. UPON REFRIGERANT LEAK DETECTION SYSTEM ACTIVATION, MODULATE FAN TO HIGH SPEED OF 2500CFM.

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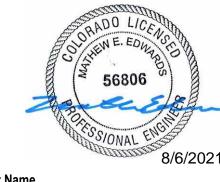
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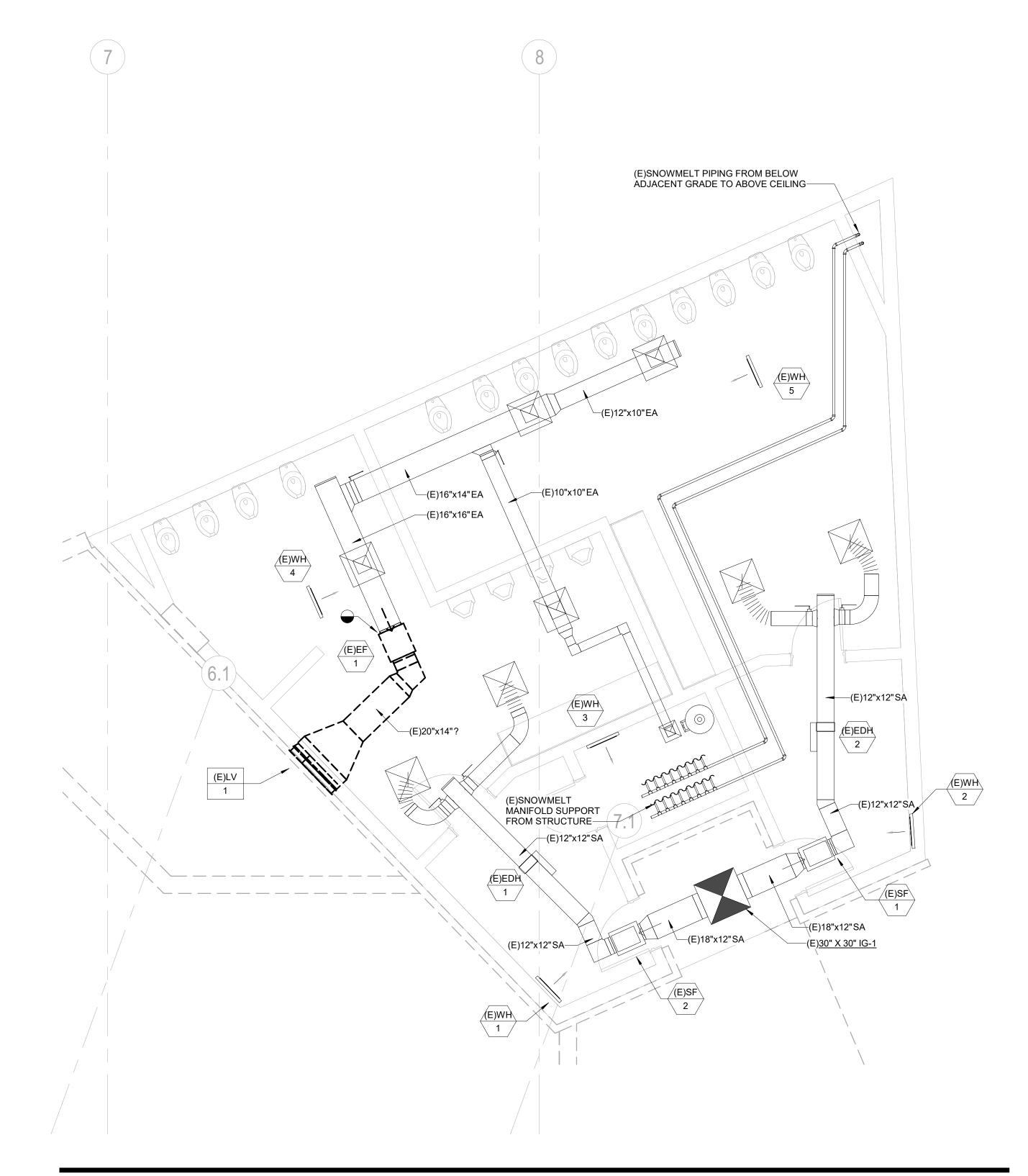
**IMPROVEMENTS** Project Number

003.7835.000

PROMENADE - MECHANICAL CONTROLS

NOT TO SCALE

1A-M7.004



LOWER LEVEL 01 - GONDOLA BUILDING LOWER LEVEL 01 - MECHANICAL ENLARGED PLAN SCALE: 1/4" = 1'-0"

**GENERAL NOTES:** 

1. EXISTING DUCTWORK, PIPING, EQUIPMENT, ETC. SHOWN HAS BEEN COMPILED FROM RECORD DRAWINGS AND PREVIOUS DESIGN PLANS. NEITHER THE ACCURACY OF THESE PLANS NOR THE EXTENT OF UNDOCUMENTED CHANGES SINCE HAS BEEN FIELD VERIFIED. THIS INFORMATION IS SHOWN TO HELP IDENTIFY THE "SCOPE OF WORK," BUT ANY PRICING EXERCISE OR BID SHOULD INVOLVE A THOROUGH REVIEW OF FIELD CONDITIONS

PRIOR TO FINALIZING.

2. THE DRAWINGS IS DIAGRAMMATIC IN NATURE. DEMOLISHED WORK IS SHOWN BOLD AND DASHED TO REFLECT THE GENERAL DEMOLITION SCOPE. UTILIZE THE ARCHITECTURAL DRAWINGS AND MECHANICAL PLANS TO FURTHER DEFINE THE LIMITS OF DEMOLITION WORK.

3. SOME NOTES AND CALLOUTS ARE FROM RECORD DRAWINGS AND REFLECT EXISTING DUCTWORK, PIPING, AND EQUIPMENT FOR CLARITY.

4. PATCH AND SEAL EXISTING DUCTS TO REMAIN AT ALL POINTS OF DISCONNECTION NOT OTHERWISE BEING RECONNECTED WITH NEW WORK.

5. CAP ALL EXISTING PIPING TO REMAIN AT ALL POINTS OF DISCONNECTION NOT OTHERWISE BEING RECONNECTED WITH NEW WORK. 6. CAP OR COVER DUCT OPENINGS DURING DEMOLITION AND CONSTRUCTION

7. CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING SYSTEMS, RELOCATING AS NECESSARY.

8. DEMO GRDs IN ALL LOCATIONS WHERE CEILINGS ARE TO BE DEMOLISHED, RE: ARCHITECTURAL DEMO PLANS.

9. CONTRACTOR TO PROVIDE FULL AIR AND WATER BALANCE FOR ALL AFFECTED SYSTEMS, PROVIDE BALANCING PRIOR TO CONSTRUCTION AND FOR FINAL TAB REPORT AT END OF CONSTRUCTION, RE: SCHEDULE. 10. REBALANCE ALL AFFECTED (E)

DRAWINGS, REFER TO PLANS FOR LOCATIONS. 11. RECONNECT (E) PIPING TO REPLACED EQUIPMENT.

EXHAUST FAN SYSTEMS, WHERE DEMO/REWORK IS SHOWN ON THE

13. MAINTAIN SYSTEM CONTINUITY FOR ALL SYSTEMS THAT PASS THROUGH DEMO SCOPE AREA AND SERVE OTHER AREAS OUTSIDE THE SCOPE OF WORK.

12. EXTEND (E) PIPING TO RELOCATED

KEYNOTES

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1 2021.08.06 BP3:PROMENADE - BULLETIN 08



SSRC | BASE AREA **IMPROVEMENTS** Project Number

003.7835.000

PROMENADE - MECHANICAL DEMO PLAN - LEVEL 00

1/4" = 1'-0"

mmmm

**KEY PLAN** 

																ENER	GY R	ECO	VERY VI	ENTILA	TOR S	SCH	<b>EDU</b>	ILE
				SUPPL	Y FAN			EXHA	AUST FAN				COOLING	G CAPACIT	Y (CHILLED )	WATER)			HEATING	CAPACITY (HE	ATING HO	T WATE	R)	
					ESP				ESP															
CODE		MANUFACTURER/	MAX	MIN	"W.C.		MAX	MIN	"W.C.		EAT	Γ (°F)	UNIT LA	T (°F)	TOTAL	SENSIBLE		WPD			CAP		WPD	OSA E
(ERV)	LOCATION	MODEL NO.	CFM	CFM	(ALT.)	HP	CFM	CFM	(ALT.)	HP	DB	WB	DB	WB	(MBH)	(MBH)	GPM	(FT)	EAT (°F)	LAT (°F)	(MBH)	GPM	(FT)	DB
1A.01	ERV 1	CSAA021	10,000	5,000	1.50	10	10,000	5,000	1.50	10	79.1	59.6	55.0	51.0	211.4	211.4	45.7	3.5	35.4	90	465	48.9	2.4	88.0
1A.02	ERV 2	CSAA010	4,700	2,350	1.50	5	4,700	2,350	1.50	5	79.0	59.6	55.0	51.0	100.0	100.0	22.0	1.6	35.4	90	220	23	1.0	88.0
																								1
					ELEC	TRICAL SI	NGLE POINT C	ONNECTION						FILTERS										
							_			SUPP	LY PRE FI	LTER	SUPP	LY FINAL F	ILTER	EXHAUS	T PRE F	ILTER						
CODE		MANUFACTURER/																						
(ERV)	LOCATION	MODEL NO.	VOLT	PH	MCA	E-POW	FUSE	DISCONNECT	FEEDER	TYPE	APD (	("W.C.)	TYPE	APE	) ("W.C.)	TYPE	APD	("W.C.)						
1A.01	ERV 1	CSAA021	460	3	33.67	N	40A LPS-RK	60A/3P	(3#8, #10G) 3/4"C	MERV 8	0.	.55	MERV 15		0.55	MERV 8		0.64						
1A.02	ERV 2	CSAA010	460	3	19.76	N	30A LPS-RK	30A/3P	(3#10, #10G) 3/4"C	MERV 8	0.	.56	MERV 15		0.56	MERV 8		0.65						

1. PROVIDE NEMA PREMIUM EFFICIENCY MOTORS.

2. INSTALL UNITS WITH ADEQUATE CLEARANCE FOR COIL PULL, FILTER REPLACEMENT AND TO FULLY OPEN ACCESS DOORS.

3. PROVIDE MINIMUM CLEARANCE IN FRONT OF DISCONNECTS SWITCHES AND CONTROL PANELS AS REQUIRED AND TO COMPLY FULLY WITH NEC 110.26. 4. UNIT STATIC PRESSURE CAPABILITY SHALL INCLUDE SCHEDULED EXTERNAL STATIC PRESSURE PLUS ALL SCHEDULED INTERNAL PRESSURE DROPS.

5. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR OPERATION AT JOB SITE ELEVATION. JOB SITE ELEVATION = 6700 FT.

6. PROVIDE DUCT SMOKE DETECTOR IN THE SUPPLY AIR DUCT AND RETURN AIR DUCT. RE: MECHANICAL CONTROLS DRAWINGS.

7. MAXIMUM COOLING COIL FACE VELOCITY = 500 FPM 8. ERV-1A.02 UNIT TO BE MOUNTED ON STRUCTURAL SUPPORTS. RE: STRUCTURAL DRAWINGS.

8. ERV-1A.01 PROVIDE STEEL BASE RAILS. 10. PROVIDE SINGLE POINT POWER CONNECTION.

11. CHILLED WATER: EWT = 44F, LWT = 54F, 30% PROPYLENE GLYCOL. 12. HEATING WATER: EWT = 150F, LWT = 130F, 30% PROPYLENE GLYCOL.

A. 100% OUTSIDE AIR UNIT WITH 2-POSITION OUTSIDE AIR DAMPER AND 2-POSITION EXHAUST AIR DAMPERS.

B. PROVIDE VARIABLE FREQUENCY DRIVES ON ALL SUPPLY AND EXHAUST FANS. UNIT SHALL BE CONFIGURED TO CONTROL SUPPLY AIR AND EXHAUST AIR DUCT STATIC PRESSURE WITHIN THE BUILDING.

C. PROVIDE MODULATING 2-WAY CONTROL VALVES FOR CHILLED WATER AND HEATING HOT WATER. D. PROVIDE CONVENIENCE RECEPTACLE POWERED FROM UNIT SINGLE POINT POWER CONNECTION. PROVIDE STEP-DOWN TRANSFORMER.

E. PROVIDE INTERNAL ISOLATION OF ALL FANS AND MOTORS. REFER TO SPECIFICATIONS.

				HOR	IZON	TAL	L FA	N C	OIL S	SCH	EDU	LE (ŀ	<b>IYDR</b>	ONIC	;)											HIGH	l WAL	LL F	AN C	COIL	SCH	EDU	ILE (	HYD	RON	IIC)						
			FAN			(	COOLING	IG COIL				HE	ATING COII	L				ELECT	RICAL						F	AN				COOLI	NG COIL								ELECTRI	CAL		
CODE	MANUFACTURER/		SUPPLY	ESP EA	AT (°F) T	OTAL :	SENS	MAX		WPI	D EAT		MIN	,	WPD							CODE	MANUFACTURER/		SUPPL'	Y ESF	P EAT (	(°F)	TOTAL	SENS	MAX			WPD								
(HFCU)	MODEL NO.	AREA SERVED	CFM	(IN.) DE	B WB I	МВН	MBH L	LAT(°F)	GPM RO	W (FT	) (°F)	MBH L	AT(°F) GPN	/ ROW	(FT) H	HP VC	OLT PH F	LA DISCO	ON. FE	EDER	FUSE REMARKS	(WFCU)	MODEL NO.	AREA SERVED	CFM	(IN.)	DB	WB	MBH	MBH	LAT(°F)	) GPM	ROW	(FT)	HP	VOL	LT PH	FLA	DISCON.	FEEDER	FUSE	REMARK
1	ENGINEERED COMFORT/D35FHZW-08	1 TON	600	0.3 75	62	12.8	10.2	55	2.7 4	1.2	65	11.5	85 1.3	1	4.6	1/8 12	20 1 3	3.3 \$.T.C	D. (2#12, #	#12G) 3/4"C	-	1A.01	MULTIAQUA/MHWW-36-H-3	MAIN ELEC	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
2	ENGINEERED COMFORT/D35FHZW-16	2 TON	1100	0.3 75	62	25.7	19.7	55	5.4 5	5 2.7	65	19.6	85 2.2	1	2.5	1/4 12	20 1	7.2 \$.T.C	D. (2#12, #	#12G) 3/4"C	-	1A.02	MULTIAQUA/MHWW-36-H-3	IDF/IT	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
3	ENGINEERED COMFORT/D35FHZW-24	3 TON	1800	0.3 75	62	38.7	31.1	55	8.1 5	3.6	65	31.1	85 3.5	1	6.5	1/2 12	20 1 1	1.8 \$.T.C	D. (2#12, #	#12G) 3/4"C	-	1A.03	MULTIAQUA/MHWW-36-H-3	IDF/IT RM	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
4	ENGINEERED COMFORT/D35FHZW-30	4 TON	2300	0.3 75	62	49.5	39.8	55	10.4 5	5 2.3	65	40.5	85 4.6	1	3.2	1/2 12	20 1 1	2.6 \$.T.C	D. (2#12, #	#12G) 3/4"C	- A	1A.04	MULTIAQUA/MHWW-36-H-3	MAIN ELEC	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
																						1A.05	MULTIAQUA/MHWW-36-H-3	ELEC	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
				-		'	'		<u> </u>			'	'		'				'			1A.06	MULTIAQUA/MHWW-36-H-3	ELEC	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
<b>GENERAL</b>	NOTES:																					3A.01	MULTIAQUA/MHWW-36-H-3	ELEC	850	0	80	67	36.0	22.0	55	9.5	1	24.5	1/12	120	0 1	0.9	\$.T.O.	(2#12, #12G) 3/4"C	-	А
1. CHILLEI	D WATER: EWT = 44°F, LWT = 54°F, 30%	PROPYLENE GI	YCOL.																																							
2. HEATIN	G WATER: EWT = $150^{\circ}$ F, LWT = $130^{\circ}$ F, 3	0% PROPYLENE	GLYCOL.																					<u> </u>		l		I	ı		1				I		l					
3. PROVID	E 2" MERV 8 THROW AWAY FILTERS.																					GENERAL N	IOTES:																			

1. CHILLED WATER: EWT = 44°F, LWT = 54°F, 30% PROPYLENE GLYCOL.

5. DESIGN OUTSIDE AIR CONDITIONS:

COOLING: 88F dB/56.2F wB

PROVIDE REMOTE THERMOSTAT.

4. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR

6.PROVIDE CONDENSATE PUMP POWERED FROM EQUIPMENT. PUMP SHALL BE PROVIDED WITH VOLTAGE MATCHING FAN COIL UNIT. IF TRANSFORMER IS PROVIDED FOR

5. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER MENA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

CONDENSATE PUMP OPERATION, PROVIDE LINE ITEM COST. GRAVITY DRAINAGE ACCEPTABLE WHERE POSSIBLE.

HEATING: -10F dB

REMARK NOTES:

OPERATION AT JOBSITE ELEVATION. JOB SITE ELEVATION = 6700 FT.

4. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR OPERATION AT JOBSITE ELEVATION. JOB SITE ELEVATION = 6700 FT.

5. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER MENA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

CONFIG

6.PROVIDE CONDENSATE PUMP POWERED FROM EQUIPMENT. PUMP SHALL BE PROVIDED WITH VOLTAGE MATCHING FAN COIL UNIT. IF TRANSFORMER IS PROVIDED FOR

**CABINET UNIT HEATER SCHEDULE (HYDRONIC)** 

| HORIZONTAL RECESSED | 18 | 315 | 1.3 | 2 | 7.2 | 84 | 120 | 1 | 3.1 | \$.T.O.

HORIZONTAL RECESSED | 25 | 410 | 1.7 | 2 | 2.85 | 110 | 120 | 1 | 3.1 | \$.T.O.

| HORIZONTAL RECESSED | 41 | 700 | 2.8 | 2 | 8.6 | 162 | 120 | 1 | 3.1 | \$.T.O.

 VERTICAL CABINET
 41
 700
 2.8
 2
 8.6
 162
 120
 1
 3.1
 \$.T.O.

CONDENSATE PUMP OPERATION, PROVIDE LINE ITEM COST. GRAVITY DRAINAGE ACCEPTABLE WHERE POSSIBLE.

7. DESIGN OUTSIDE AIR CONDITIONS:

COOLING: 88F dB/56.2F wB HEATING: -10F dB

CODE MANUFACTURER/

MODEL NO.

TRANE/FORCEFLO-02

TRANE/FORCEFLO-04

TRANE/FORCEFLO-06

4 TRANE/FORCEFLO-06

REMARK NOTES:

(CUH)

A. PROVIDE DUCT SMOKE DETECTORS PER CODE FOR ALL UNITS 2000 CFM OR GREATER.

AREA

SERVED

SEE PLANS

SEE PLANS

						VF	RTIC	ΔI F	AN C		SCH	FDI	II F	ΉΥΓ	)RON	IC)										
						<b>V</b> L		<b>~</b> L I					<b>'</b>	(	) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \											
			FAN	l				COOLI	NG COIL						HEATING	G COIL							ELECTRIC	AL		
CODE	MANUFACTURER/		SUPPLY	ESP	EAT	「(°F)	TOTAL	SENS	MAX			WPD	EAT		MIN			WPD								
(VFCU)	MODEL NO.	AREA SERVED	CFM	(IN.)	DB	WB	MBH	MBH	LAT(°F)	GPM	ROW	(FT)	(°F)	MBH	LAT(°F)	GPM	ROW	(FT)	HP	VOLT	PH	FLA	DISCON.	FEEDER	FUSE	REMARKS
1	ENGINEERED COMFORT/ D39MUZW-06	1 TON	500	0.3	75	62	12.1	9.1	55	2.5	4	6.6	65	9.3	85	1	1	2.68	1/6	120	1	3.6	\$.T.O.	(2#12, #12G) 3/4"C	-	Α
2	ENGINEERED COMFORT/ D39MUZW-15	2 TON	1000	0.3	75	62	24.5	18.3	55	5.2	4	4.2	65	22.0	85	2.5	1	3.97	1/4	120	1	8.7	\$.T.O.	(2#12, #12G) 3/4"C	-	Α
3	ENGINEERED COMFORT/ D39MUZW-19	3 TON	1550	0.3	75	62	35.5	27.5	55	7.5	4	6.1	65	35.2	85	4	1	11.8	1/2	120	1	12.7	\$.T.O.	(2#12, #12G) 3/4"C	-	Α
4	ENGINEERED COMFORT/ E39MUZW-21	4 TON	1960	0.3	75	62	39.9	33.0	55	8.4	4	7.7	65	39.1	85	4.4	1	14.5	1	120	1	16	\$.T.O.	(2#12, #12G) 3/4"C	-	В

SENSIBLE WHEEL HEAT RECOVERY

WB

DB

HEATING

WB

OSA LAT (F)

-10.0 -2.0 14.1 19.1 65.0

DB WB DB

64% -10.0 -2.0 14.0 19.1 65.0 51.5 41.6 39.0 68%

67%

DB WB

51.5 41.6 39.0

COOLING

LAT (°F) | (MBH) | GPM | (FT) | DB | WB | DB | WB | DB | WB

465 | 48.9 | 2.4 | 88.0 | 56.2 | 79.1 | 59.6 | 75.0 | 61.5

220 23 1.0 88.0 56.2 79.0 59.6 75.0 61.5 68%

SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR

4.PROVIDE CONDENSATE PUMP POWERED FROM EQUIPMENT. PUMP SHALL BE PROVIDED WITH VOLTAGE MATCHING FAN COIL UNIT. IF TRANSFORMER IS PROVIDED FOR

3. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER MENA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

CONDENSATE PUMP OPERATION, PROVIDE LINE ITEM COST. GRAVITY DRAINAGE ACCEPTABLE WHERE POSSIBLE.

WPD OSA EAT (F) OSA LAT (F) EXH EAT (F) SENSIBLE LATENT OSA EAT (F)

EFF.

67%

EFF.

63%

**GENERAL NOTES:** 

1. EAT =  $65^{\circ}$ F, LAT =  $95^{\circ}$ F.

2. HEATING WATER: EWT = 150°F, LWT = 130°F, 30% PROPYLENE GLYCOL. 3. JOB SITE ELEVATION = 6,700 FT.

**REMARK NOTES:** 

A. PROVIDE UNIT MOUNTED DISCONNECT SWITCH.

B. PROVIDE FRONT STAMPED INLET AND FRONT STAMPED OUTLET LOUVERS.

C. PROVIDE BOTTOM STAMPED INLET AND BOTTOM STAMPED OUTLET LOUVERS.

D. PROVIDE WALL MOUNTED THERMOSTAT.

	7. DESIGN OUTSIDE AIR CONDITIONS: COOLING: 88F dB/56.2F wB HEATING: -10F dB
	REMARK NOTES:

(MBH) CFM GPM ROW (FT) WATTS VOLT PH FLA DISC FUSE

									-			-				
				WATE	R SIDE	,	AIR SI	DE				ELE	CTRICA	\L		
CODE	MANUFACTURER/		CAPACITY		WPD	EAT	LAT									
(UH)	MODEL NO.	SERVICE	(MBH)	GPM	(FT)	(F)	(F)	CFM	WATTS	VOLT	PH	FLA	DISC	FUSE	FEEDER	REMARKS
1	TRANE / UHSB08	SEE PLANS	8	0.8	0.8	60	95	250	16	120	1	1	\$.T.O.	-	(2#12, #12G) 3/4" C	A,B
2	TRANE / UHSB18	SEE PLANS	18	1.9	2.2	60	95	500	16	120	1	1	\$.T.O.	-	(2#12, #12G) 3/4" C	A,B
3	TRANE / UHSB25	SEE PLANS	24	2.5	2.2	60	95	580	25	120	1	1	\$.T.O.	-	(2#12, #12G) 3/4" C	A,B
4	TRANE / UHSB36	SEE PLANS	35	3.6	3	60	95	850	1/20 HP	120	1	1	\$.T.O.	-	(2#12, #12G) 3/4" C	A,B

**UNIT HEATER SCHEDULE (HYDRONIC)** 

GENERAL NOTES

1. EWT =150F, LWT = 130F. 2. WATER CONTAINS 30% PROPYLENE GLYCOL. 3. JOB SITE ELEVATION = 6700 FT.

REMARK NOTES

A. PROVIDE WALL MOUNTED THERMOSTAT

B. HORIZONTAL DISCHARGE W/ LOUVER.

				REH	EAT	CC	) L	ı						
								Н	EATING	COIL				
CODE		MANUFACTURER/	MAX	MIN	APD							INLET	OUTLET	
(RH)	AREA SERVED	MODEL NO.	CFM	CFM	"W.C.	EAT	LAT	МВН	GPM	ROW	WPD (FT)	SIZE	SIZE	REMARKS
$\sim$	$\sim\sim\sim$	~~~~~~	~~	~~~	$\sim$	~~	$\sim$	~	~~~	$\sim$	$\sim$	$\sim$	$\sim$	~~~
1A.01	LEVEL 00	GREENHECK/HW58S02B06	2500	750	0.29	-10.0	25.0	73.9	9.7	2.0	1.6	26"X15"	26"X15"	A,B
$\overline{\mathcal{M}}$	www	······································	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			سس	<u> </u>			$\mathcal{M}$	<del>m</del>	سس		$\sim$

1. MOUNT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS INCLUDING ALL UL LISTING REQUIREMENTS. 2. HEATING COIL DISCHARGE TEMPERATURES SHALL NOT EXCEED 100F OR HAVE A TEMPERATURE RISE GREATER THAN 45F.

3. EWT =150F. LWT = 130F. 4. WATER CONTAINS 30% PROPYLENE GLYCOL.

5. JOB SITE ELEVATION = 6700 FT.

REMARK NOTES A. PROVIDE LINE VOLTAGE DUCT MOUNTED THERMOSTAT DOWNSTREAM OF HEATER. CONTROL TO 65F LEAVING AIR TEMP. B. INTERLOCK HEATER WITH ICE PLANT VENTILATION SYSTEM.

A. PROVIDE WITH AN ECM MOTOR. B. PROVIDE WITH ECM 3-SPEED MOTOR.

3. PROVIDE 2" MERV 8 THROW AWAY FILTERS.

1. CHILLED WATER: EWT = 44°F, LWT = 54°F, 30% PROPYLENE GLYCOL.

2. HEATING WATER: EWT = 150°F, LWT = 130°F, 30% PROPYLENE GLYCOL.

OPERATION AT JOBSITE ELEVATION. JOB SITE ELEVATION = 6700 FT.

**GENERAL NOTES:** 

CONN.

(2#12, #12G) 3/4"C 3/4" A,C,D

(2#12, #12G) 3/4"C 3/4" A,C,D

(2#12, #12G) 3/4"C 3/4" A,C,D

(2#12, #12G) 3/4"C 3/4" A,B,D

SIZE REMARKS

**FEEDER** 

BASEBOARD RADIATION SCHEDULE (HYDRONIC) MANUFACTURER/ ENCLOSURE CODE CAPACITY GPM/ (BBR) MODEL NO. (BTUH/LF) FT ROWS HEIGHT (IN) REMARKS ZEHNDER RITTLING/FTR 3/4C 0.057

GENERAL NOTES: 1. EWT= 150°F, LWT= 130°F, 30% GLYCOL.

2. MINIMUM FLOW FOR CIRCUIT IS 1 GPM.

3. PROVIDE WALL TO WALL ENCLOSURE UNLESS OTHERWISE NOTED.

4. ENCLOSURE COLOR SELECTED BY ARCHITECT. 5. TUBE MATERIAL IS COPPER, FIN MATERIAL ALUMINUM UNLESS OTHERWISE NOTED.

REMARK NOTES:

A. PROVIDE ZEHNDER RITTLING TYPE PIBG5 BAR GRILLE ENCLOSURE, 16GA CONSTRUCTION WITH BOTTOM OPEN INLET, TOP OUTLET, SURFACE MOUNTED, AND ENCLOSED BACK. B. INTERLOCK CONTROL WITH HVAC ZONE SERVING SAME SPACE. BASEBOARD SHALL ACT AS FIRST STAGE HEATING.

Seal / Signature



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**∆** Date Description

2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

1 2021.08.06 BP3:PROMENADE - BULLETIN 08

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REMARKS

A,B,C,D,E

A,B,C,D,E

SSRC | BASE AREA

**IMPROVEMENTS Project Number** 

003.7835.000

Description

PROMENADE - MECHANICAL SCHEDULES

1A-MEP0.001

			ENV	/IRONN	1EN	ITA	L FA	N SC	HE	DU	LE								
							ESP						ELECTRICAL				SOUND	DECIBEL	
	MANUFACTURER/				MAX	LOW	"W.C.										POWER	LEVEL	
CODE	MODEL NO.	SERVICE	LOCATION	TYPE	CFM	CFM	(ALT.)	DRIVE	HP	VOLT	PH FLA	DISC.	FEEDER	FUSE	MTG	CTRL	LwA	dBA	REMARKS
EF 1A.01	GREENHECK/SE1-14-440-VG	LOADING/TRASH	LOWER LEVEL	PROPELLOR	900	~~~	0.3	В	1/2	120	1 9.8	\$.T.O.	(2#12, #12G) 3/4"C	-	2	1	68	57	A,B,D
SF 1A.02	GREENHECK/BSQ140	MECHANICAL/ICE PLANT SUPPLY	LOWER LEVEL	INLINE	2500	750	<b>)</b> 1	VFD(B)	1	460	3 2.1	20A/3P	(3#12, #12G) 3/4"C	15A LPS-RK	1	l II	-	-	A,B,C
EF 1A.03	GREENHECK/BSQ160	MECHANICAL/ICE PLANT EXHAUST	LOWER LEVEL	INLINE	2500	750	0.5	VFD(B)	1/2	120	1 9.6	\$.T.O.	(2#12, #12G) 3/4"C	-	1	II	-	-	A,B

GENERAL NOTES: 1. DRIVE TYPE: VFD(B) = BELT DRIVE FAN WITH VARIABLE FREQUENCY DRIVE.

B = BELT-PROVIDE ADJUSTABLE SHEAVE UNLESS OTHERWISE NOTED.

2. SCHEDULED FAN VALUES (CFM, SP AND HP) ARE ACTUAL AT ALTITUDE. MOTOR HP HAS BEEN ADJUSTED FROM SEA LEVEL CONDITIONS FOR

OPERATION AT JOB SITE ELEVATION. JOB SITE ELEVATION = 6,700 FT. B. PROVIDE MAGNETIC STARTER WITH AUXILARY CONTACTS AND HOA SWITCH ON ALL THREE PHASE UNITS EXCEPT WHEN

SERVED FROM MOTOR CONTROL CENTER. 3. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER NEMA STANDARD MG1-2003, TABLES 12-12 AND 12-13.

MOUNTING (MTG):

1. INSTALL FAN WITH FLEXIBLE CONNECTIONS AT DUCT INLET AND OUTLET AND WITH HANGING VIBRATION ISOLATORS.

2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CONTROL (CTRL): I. INTERLOCK WITH ENERGY RECOVERY VENTILATOR SERVING THE SAME AREA. MONITOR VIA BMS AND PROVIDE MANUAL OVERRIDE SWITCH. II. RUN CONTINUOUSLY AT LOW SPEED FOR ROOM VENTILATION AND PROVIDE MAX CFM OVERRIDE IN REFRIGERANT PURGE MODE, CONTROL VIA DDC SYSTEM.

REMARK NOTES:

A. PROVIDE BELT AND MOTOR GUARD.

B. PROVIDE MOTORIZED BACKDRAFT DAMPER AT ROOF OR WALL PENETRATION.

C. PROVIDE A 2" MERV 8 FILTER

D. PROVIDE WITH WALL HOUSING, WEATHERHOOD AND OSHA WIRE GUARD.

00% Oı	utdoor air	
ERV	1A.01	

ERV 1A.01 Heating System name and number
Condition analyzed (impacts Ez)

Zone Name and Number	Occupancy Category	Zone Floor Area <i>Az</i> (sq ft)	Are you using default value for zone population?	Zone Population Pz (people)	People Outdoor Air Rate  Rp (cfm per person)	Area Outdoor Air Rate <i>Ra</i> (cfm per sq ft)	Breathing Zone Outdoor Airflow (people related (cfm)	Breathing Zone Outdoor Airflow (area related (cfm)	Breathing Zone Outdoor Airflow <i>Vbz</i> (cfm)	Zone Air Distribution Effectiveness Ez	Zone Outdoor Airflow <i>Voz</i> (cfm)	Zone Outdoor Airflow Provided (measured or design) (cfm)
							Rp Pz	Ra Az	(Rp Pz + Ra Az)*1.3		Vbz / Ez	
					0.00	0.00	0.00	0.00	0.00		0.00	
HALLWAY	Common corridors	335	Yes	0.00	0.00	0.06	0.00	20.09	20.09	0.50	40.18	60
RETAIL / L & F	Reception areas	165	Yes	49.50	5.00	0.06	247.50	9.90	257.39	0.80	321.73	60
CIRCULATION LOBBY	Lobbies / prefunction	915	Yes	274.50	7.50	0.06	,	54.90	2,113.65	0.80	2,642.06	
UC HEALTH + SKI PATROL	Office space	2,450		122.50	5.00	0.06	1	147.00	759.50	0.80	949.37	500
FOOD STORAGE 114	Occupiable storage rooms for dry	230		4.60	5.00	0.06	23.00	13.80	36.79	0.80	45.98	50
CORRIDOR 114	Common corridors	1,025		0.00	0.00	0.06		61.50	61.50	0.80	76.87	100
FOOD STORAGE 110	Occupiable storage rooms for dry	2,720	Yes	54.40	5.00	0.06		163.19		0.80	543.98	850
					0.00	0.00	0.00	0.00	0.00		0.00	

System area (sq ft)	As	(sq ft)	7,840.00	∑Az
System population	Ps	(people)	505.50	∑Pz
Outdoor air intake flow (30% above 62.1 requirement)	Vot	(cfm)	4,620	∑Voz
Outdoor air intake flow provided (measured or design)		(cfm)	10,000	

			REFRIGE	RANT (	CALCULA	TIONS	
			ESTIMATED TOTAL				
	REFRIGERANT	REFRIGERANT	REFRIGERANT CHARGE	ROOM AREA	ROOM VOLUME	NORMAL VENTILATION RATE	EMERGENCY VENTILATION RATI
ROOM	TYPE	CLASSIFICATION	(LBS) (NOTE 2)	(SF)	(CF)	(CFM)	(CFM)
$\sim\sim$	~~~	$\sim\sim\sim$	$\sim\sim\sim\sim$	~~~~	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
ICE PLANT	R-438A	A1	600	1380	16560	750	2,500
سسر		mm	······································			······································	mmmm
GENERAL NO	OTES .						
. INFORMAT	ION ABOVE IS B	ASED ON THE BAS	SIS OF DESIGN AND THE	2018 INTERNA	TIONAL MECHANI	ICAL CODE.	
) ESTIMATE	D TOTAL REERIO	SERANT CHARGE	IS THE MAXIMUM CHARG	E ANTICIPATE	D WITHIN THE ICE	E ΡΙ ΔΝΤ SKID	

	G	RILLE RI	EGISTER DIF	FUSER SCH	<b>EDULE</b>	
	MANUFACTURER/					
CODE	MODEL NO.	SERVICE	TYPE	ACCESSORIES	FACE SIZE	REMARKS
A1	PRICE / 520L	SUPPLY	LOUVERED		NECK +2"	
A2	PRICE / 620L	SUPPLY	LOUVERED		NECK +2"	Α
А3	PRICE / 520	SUPPLY	DOUBLE DEFLECTION		NECK +2"	
B1	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(1) 1" SLOT, 48" LENGTH	
B2	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(2) 1" SLOT, 48" LENGTH	
В3	PRICE / SDS	SUPPLY	LINEAR SLOT	48" FACTORY PLENUM	(3) 1" SLOT, 48" LENGTH	
C1	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(1) 1" SLOT, 60" LENGTH	
C2	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(2) 1" SLOT, 60" LENGTH	
C3	PRICE / SDS	SUPPLY	LINEAR SLOT	60" FACTORY PLENUM	(3) 1" SLOT, 60" LENGTH	
D	PRICE / SDGE	SUPPLY	SPIRAL MOUNT	AIR SCOOP		Α
Е	PRICE / SDGE	EXHAUST/RET	SPIRAL MOUNT	PERFORATED		Α
F1	PRICE / PDDR	EXHAUST/RET	PERFORATED		12"x12"	
F2	PRICE / PDDR	EXHAUST/RET	PERFORATED		24"x24"	
G1	PRICE / 510L	EXHAUST/RET	LOUVERED		SEE PLANS	
G2	PRICE / 530L	EXHAUST/RET	LOUVERED		SEE PLANS	
Н	PRICE / SPD	SUPPLY	SQUARE CEILING		24"x24"	
J1	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(1) 1" SLOT, 48" LENGTH	
J2	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(2) 1" SLOT, 48" LENGTH	
J3	PRICE / SDR	RETURN	LINEAR SLOT	48" FACTORY PLENUM	(3) 1" SLOT, 48" LENGTH	

**GENERAL NOTES:** 

1. SEE PLANS FOR CFM AND NECK SIZE.

2. MAXIMUM NOISE CRITERIA (NC) SHALL BE 30 UNLESS OTHERWISE NOTED.

3. COLOR TO BE COORDINATED WITH ARCHITECT.

4. MATERIAL IS STEEL UNLESS OTHERWISE NOTED. 5. PROVIDE A REMOTE, THROUGH FACE, CABLE OPERATED BALANCING DAMPER WHEN INSTALLED IN AN INACCESSIBLE...

6. PROVIDE FRAME AND TRIM COMPATIBLE WITH CEILING SYSTEM. RE: ARCHITECTURAL RCP DRAWINGS. 7. PROVIDE SQUARE TO ROUND ADAPTER FOR RECTANGULAR FACE GRILLES CONNECTED TO ROUND BRANCH DUCTS.

REMARK NOTES: A. ALUMINUM CONSTRUCTION.

		VA	V BOX S	CHEDI	JLE					
			DESIG	N CFM	CAPACI	ΓΥ (CFM)				
CODE (VAV)	AREA SERVED	MANUFACTURER/ MODEL NO.	AIRFLOW (CFM)	DESIGN (CFM)	MAX.	MIN.	MAX. NC @ DESIGN MAX.	INLET SIZE	OUTLET SIZE	REMARKS
				,						
1A.01	EMPLOYEE LOCKER	TITUS DESV 14	2200	2200	3000	450	-	14	20 X 17.5	Α
1A.02	FOOD STORAGE	TITUS DESV 12	1000	1000	2000	325	-	12	16 X 15	Α
1A.03	VISITORS LOCKER/RESTROOMS	TITUS DESV 14	2650	2650	3000	450	-	14	20 X 17.5	Α
1A.04	VISITORS LOCKER/RESTROOMS	TITUS DESV 14	2650	2650	3000	450	-	14	20 X 17.5	Α
1A.05	UC HEALTH + SKI PATROL	TITUS DESV 8	500	500	900	145	-	8	12 X 10	А
1A.06	LOADING/TRASH	TITUS DESV 12	1000	1000	2000	325	-	12	16 X 15	Α
ENEDAL NOT										

GENERAL NOTES

1. MOUNT WITH 5 STRAIGHT DUCT DIAMETERS UPSTREAM OF THE BOX.

2. MAXIMUM OUTLET S.P.= 0.75". 3. MAXIMUM NC LEVELS ARE RADIATED SOUND DATA AND BASED ON THE MAXIMUM BOX CFM

LISTED AND AT A PRESSURE DROP ACROSS THE BOX OF 2.0". 4. JOBSITE ELEVATION = 6700FT.

REMARK NOTES

A. PROVIDE CONSTANT VOLUME BOX.

A. PROVIDE CONSTANT VOLUME BOX.

		EAV	BOX S	SCHE	DULE	_				
			DESIGN CFM		CAPACITY (CFM)					
CODE		MANUFACTURER/	AIRFLOW	DESIGN			MAX. NC @	INLET	OUTLET	
(EAV)	AREA SERVED	MODEL NO.	(CFM)	(CFM)	MAX.	MIN.	DESIGN MAX.	SIZE	SIZE	REMARK
44.04	EMPLOYEE LOOKED	TITLIO DEOVIA	0700	0700	0000	450		4.4	00 1/ 47 5	
1A.01	EMPLOYEE LOCKER	TITUS DESV 14	2700	2700	3000	450	-	14	20 X 17.5	A
1A.02	VISITORS LOCKER	TITUS DESV 12	1800	1800	2000	325	-	12	16 X 15	Α
1A.03	RESTROOMS	TITUS DESV 12	1800	1800	2000	325	-	12	16 X 15	Α
1A.04	RESTROOMS	TITUS DESV 6	350	350	500	80	-	6	12 X 8	Α
-12-Q5-	WAITORS LOCKER	TIUS DESY14	2500	~2500~	~2000~	A50~	~~~~	~14~	20-8175	~~~
1A.06	STAGE RESTROOMS	TITUS DESV 12	1500	1500	2000	325	-	12	16 X 15	Α
$\overline{}$	······································		$\sim$		~~~	سسر	mm		<del>~~~</del>	<del>~~~</del>
SENERAL N	NOTES									
. MOUNT V	VITH 5 STRAIGHT DUCT DIAME <sup>T</sup>	TERS UPSTREAM OF TH	E BOX.							
. MAXIMUN	MOUTLET S.P.= 0.5".									
. MAXIMUN	M NC LEVELS ARE RADIATED S	OUND DATA AND BASED	ON THE MA	AXIMUM BO	OX CFM					
		SS THE BOX OF 2.0".								

		LOUVER	R SCHI	EDULE		
CODE	MANUFACTURER/		AIRFLOW	MINIMUM	FACE DIMENSIONS	
(LV)	MODEL NO.	SERVICE	(CFM)	FREE AREA (SF)	WIDTH (IN) X HEIGHT (IN)	REMARKS
~~	~~~~~	$\sim\sim\sim\sim\sim$	$\sim\sim$	~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~
2A.01	RUSKIN/ELF6375DX	PROMENADE ERV INTAKE	10,000	20	64 X 78	
2A.02	RUSKIN/ELF6375DX	PLAZA F&B ERV INTAKE	4,700	9.4	40 X 60	
2A.03	RUSKIN/ELF6375DX	ICE PLANT INTAKE	2,500	5	36 X 42	
3A.01	RUSKIN/ELF6375DX	COMBINED ERV EXHAUST	14,700	19.6	66 X 72	

**GENERAL NOTES:** 

1. LOUVERS ARE PROVIDED BY DIVISION 23.

2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.

3. PROVIDE EXTERIOR INSULATION ON ALL LOUVER PLENUMS AND SHEET METAL BETWEEN LOUVER AND MOTORIZED DAMPER. REFER TO MECHANICAL INSULATION SPECIFICATION.

GRAVITY VENT SCHEDULE															
		HOOD THROAT THROAT PRESSURE ELECTRICAL (MOTORIZED DAMPER)								)					
CODE	MANUFACTURER/			SIZE	SIZE	VELOCITY	DROP								
(GV)	MODEL NO.	SERVICE	CFM	" X"	" X"	(FPM)	(IN)	WATTS	VOLT	PH	FLA	DISC.	FUSE	FEEDER	REMARKS
3A.01	GREENHECK/FGR	ICE PLANT EXHAUST	2500	51 X 41	36 X 36	420	0.024	50	120	1	1	\$.T.O	_	(2#12, #12G) 3/4"C	

1. PROVIDE 42" CUSTOM ROOF CURB. CURB SPACE BELOW GRAVITY VENT TO INCLUDE DUCTED EXHAUST AND REFIRGERANT PIPING FROM BELOW. PIPING TO EXIT SIDE OF ROOF CURB. RE: PLANS.

3. JOB SITE ELEVATION = 6700 FT. 4. PROVIDE 120V MOTORIZED DAMPER WITH INTERLOCK TO REFRIGERANT EXHAUST FAN.

5. PROVIDE BIRD SCREEN. The state of the s

**↑LTERR ♦** east west partners

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- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

1 2021.08.06 BP3:PROMENADE - BULLETIN 08

Seal / Signature



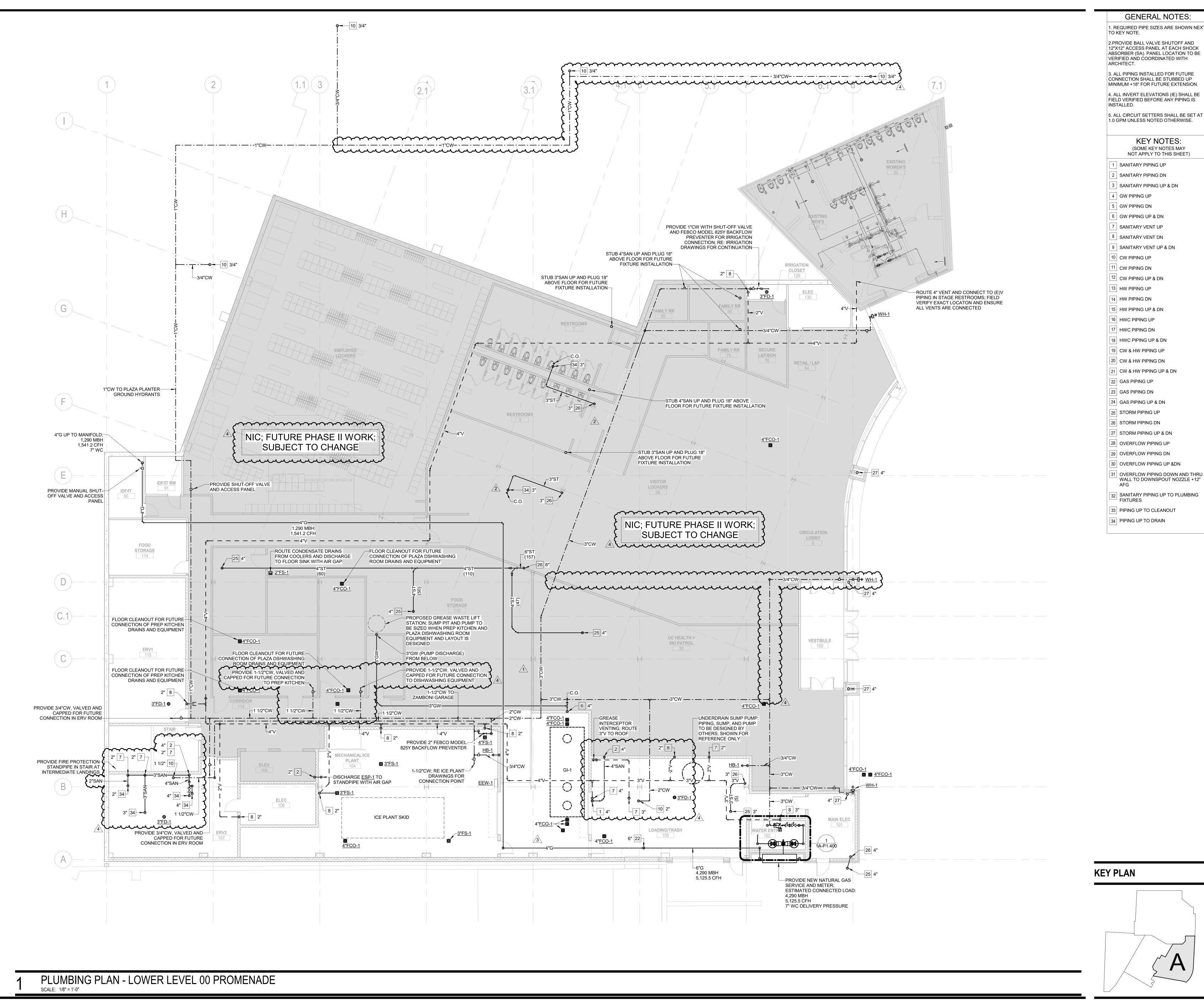
**IMPROVEMENTS** 

Project Number 003.7835.000

Description PROMENADE - MECHANICAL

SCHEDULES

1A-MEP0.002



1. REQUIRED PIPE SIZES ARE SHOWN NEXT

3. ALL PIPING INSTALLED FOR FUTURE CONNECTION SHALL BE STUBBED UP

MINIMUM +18" FOR FUTURE EXTENSION.

**KEY NOTES:** (SOME KEY NOTES MAY NOT APPLY TO THIS SHEET)

30 OVERFLOW PIPING UP &DN

32 SANITARY PIPING UP TO PLUMBING

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Date Description
 2021.06.29 BP3: PROMENADE - BULLETIN 02

2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND

2 2021.07.19 RFI-043 3 2021.07.30 BP3:PROMENADE - BULLETIN 07 4 2021.08.06 BP3:PROMENADE - BULLETIN 08

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Project Name

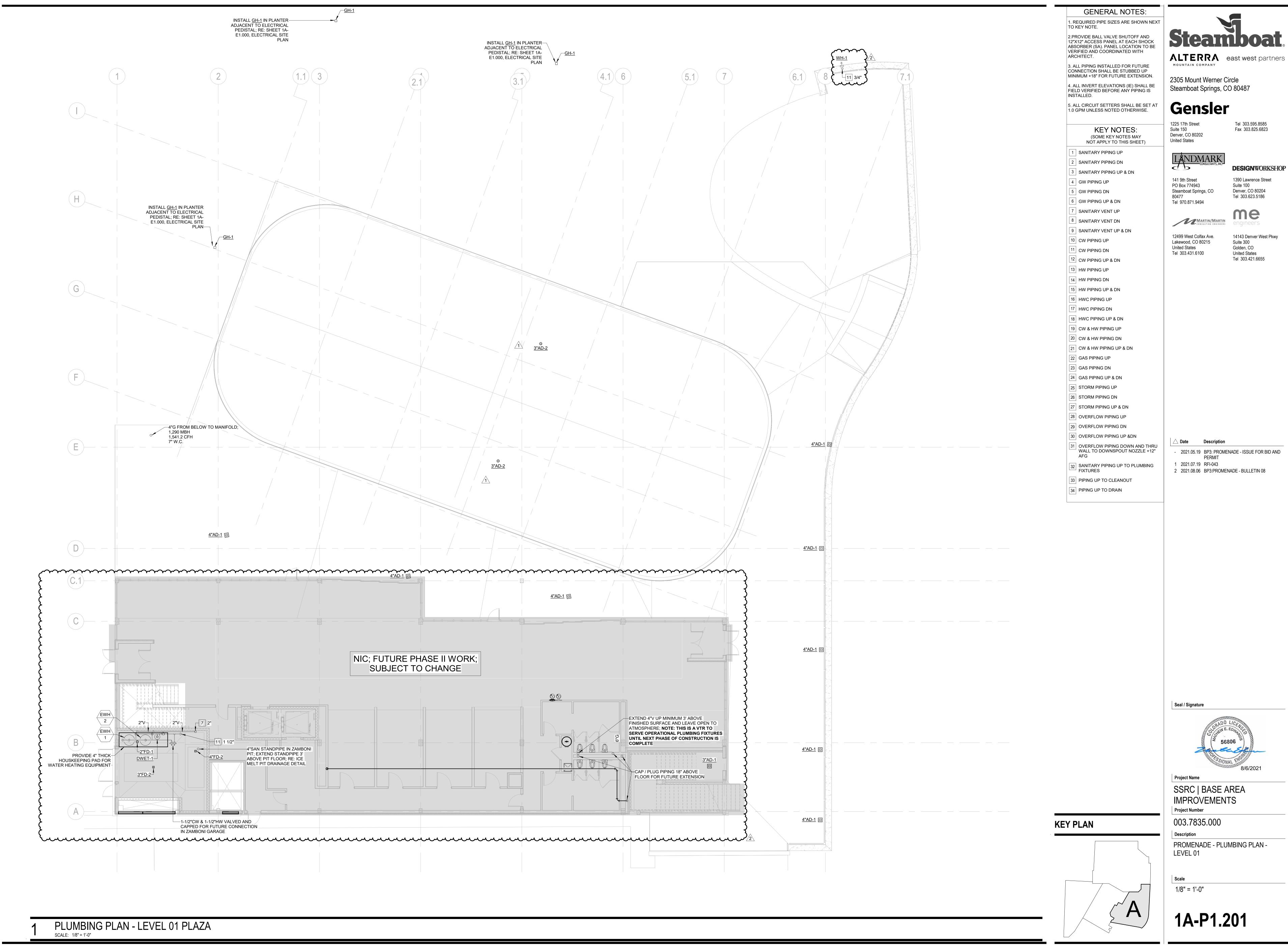
SSRC | BASE AREA **IMPROVEMENTS Project Number** 

003.7835.000

PROMENADE - PLUMBING PLAN -LEVEL 00

1/8" = 1'-0"

1A-P1.200





1. REFER TO SYMBOL LEGEND FOR ADDITIONAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, INSTALLATION OF RACEWAY, CABLING, AND DEVICES.

2. CABLE TRAY INSTALLER SHALL COORDINATE ALL CABLE TRAY SEGMENTS WITH ALL CONTRACTOR TRADES PRIOR TO INSTALLATION TO ENSURE PROPER MINIMUM CLEARANCES ARE OBTAINED FOR CABLE TRAY ACCESSIBILITY WITH RESPECT TO STRUCTURE, CEILINGS, OTHER MEP SYSTEMS, ETC. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE THIS DURING THE SHOP DRAWING PROCESS AND SUBMIT TO ARCHITECT/ENGINEER FOR FINAL REVIEW
AND APPROVAL. REFER TO TECHNOLOGY
DETAILS AND WRITTEN SPECIFICATIONS

FOR ADDITIONAL REQUIREMENTS. 3. CONTRACTOR(S) RESPONSIBLE FOR PROVIDING TELE/DATA RACEWAY AND/OR CABLING SHALL ENSURE THAT THE PATHWAY (AND CABLE) TO EACH DEVICE LOCATION WITHIN EACH BOUNDARY DOES NOT EXCEED THE HORIZONTAL CABLE LENGTH LIMITATIONS OF 295-FEET, PER WRITTEN SPECIFICATIONS AND TIA/EIA STANDARDS.

4. RACEWAY CONTRACTOR SHALL PROVIDE CONDUIT THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED CABLING PATHWAYS ARE PROVIDED FROM EACH DEVICE LOCATION BACK TO THE APPROPRIATE IC-ROOM (AS INDICATED BY DIVIDER LINES). RACEWAY CONTRACTOR SHALL COORDINATE PROPOSED ROUTES WITH CABLING CONTRACTOR DURING THE SHOP DRAWING PROCESS TO ENSURE BOTH PARTIES ARE IN AGREEMENT PRIOR TO SUBMITTING SHOP DRAWINGS OR INITIATING WORK IN THE FIELD.

5. ALL TELE/DATA CABLE ROUTED IN J-HOOKS SHALL BE ROUTED IN DEDICATED J-HOOKS, SEPARATE FROM ALL OTHER LOW VOLTAGE CABLING SYSTEMS INCLUDING, BUT NOT LIMITED TO, AV, FIRE ALARM, SECURITY, AND CONTROLS CABLING.

KEYNOTES

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1 2021.08.06 BP3:PROMENADE - BULLETIN 08

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Project Name

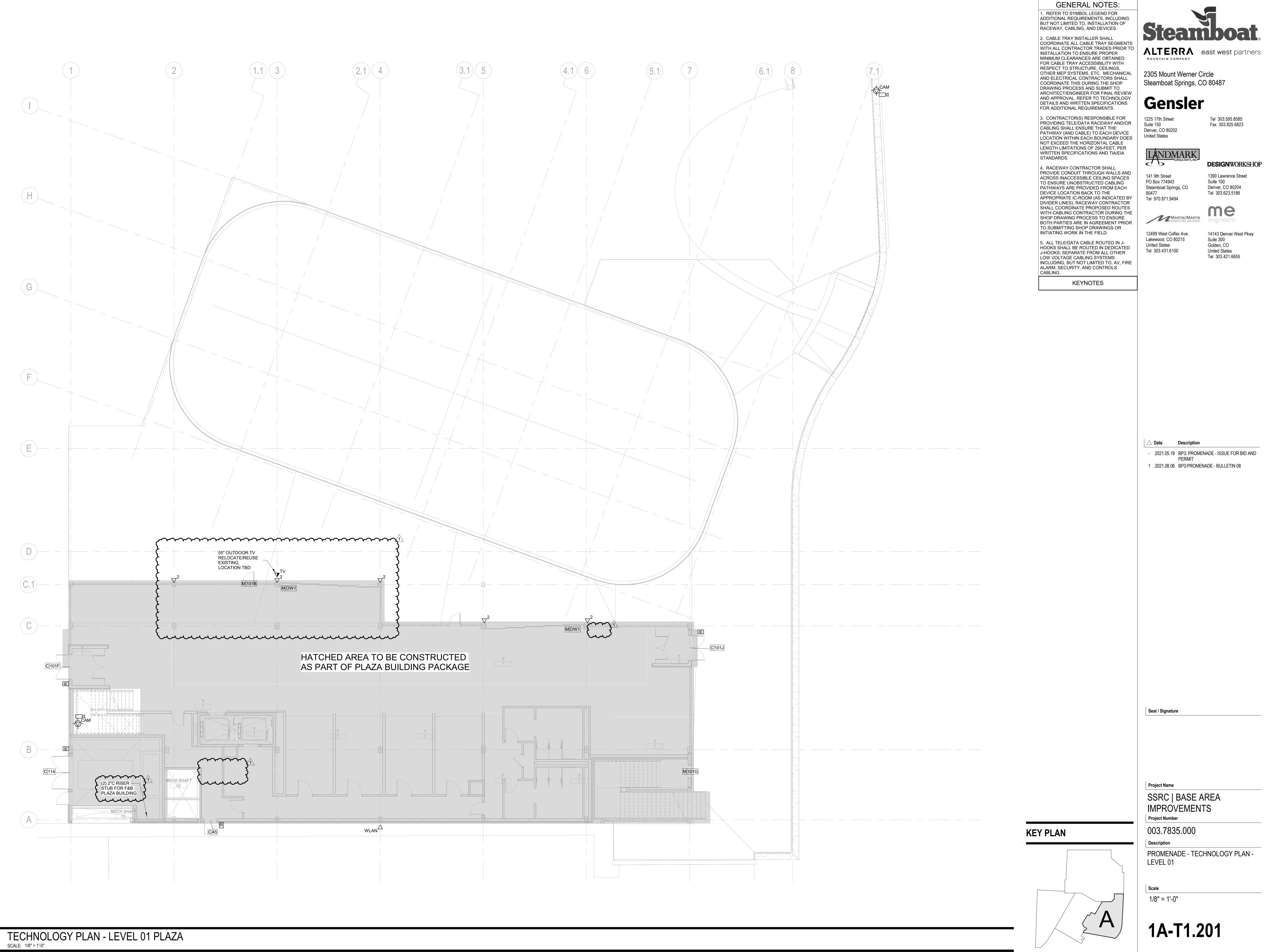
SSRC | BASE AREA **IMPROVEMENTS** 

Project Number 003.7835.000

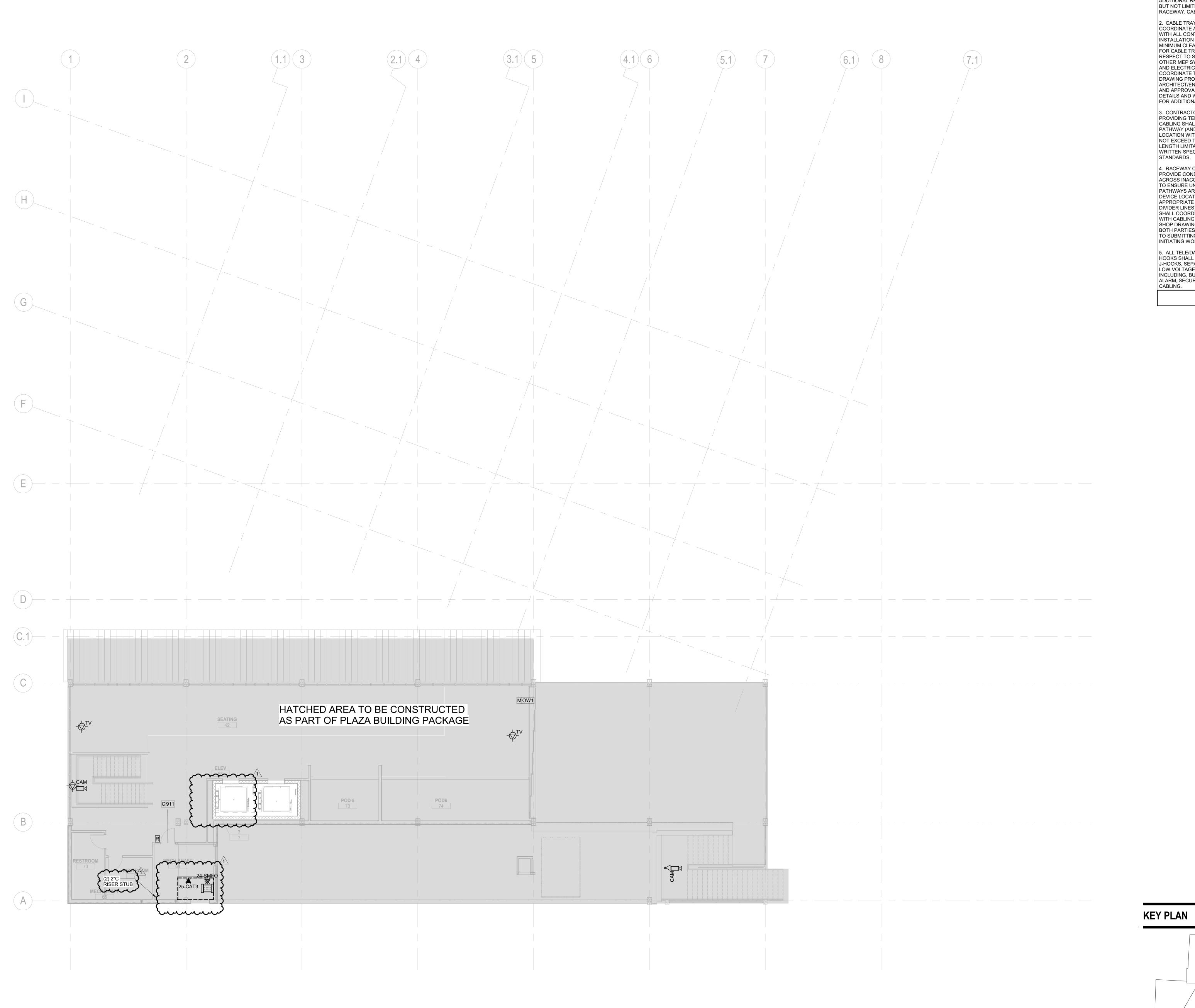
PROMENADE - TECHNOLOGY PLAN -LEVEL 00

1/8" = 1'-0"

1A-T1.200



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TECHNOLOGY PLAN - LEVEL 02 PLAZA

**GENERAL NOTES:** 

1. REFER TO SYMBOL LEGEND FOR ADDITIONAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, INSTALLATION OF RACEWAY, CABLING, AND DEVICES.

2. CABLE TRAY INSTALLER SHALL COORDINATE ALL CABLE TRAY SEGMENTS WITH ALL CONTRACTOR TRADES PRIOR TO INSTALLATION TO ENSURE PROPER MINIMUM CLEARANCES ARE OBTAINED FOR CABLE TRAY ACCESSIBILITY WITH RESPECT TO STRUCTURE, CEILINGS, OTHER MEP SYSTEMS, ETC. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL COORDINATE THIS DURING THE SHOP DRAWING PROCESS AND SUBMIT TO ARCHITECT/ENGINEER FOR FINAL REVIEW
AND APPROVAL. REFER TO TECHNOLOGY
DETAILS AND WRITTEN SPECIFICATIONS
FOR ADDITIONAL REQUIREMENTS.

3. CONTRACTOR(S) RESPONSIBLE FOR PROVIDING TELE/DATA RACEWAY AND/OR CABLING SHALL ENSURE THAT THE PATHWAY (AND CABLE) TO EACH DEVICE LOCATION WITHIN EACH BOUNDARY DOES NOT EXCEED THE HORIZONTAL CABLE LENGTH LIMITATIONS OF 295-FEET, PER WRITTEN SPECIFICATIONS AND TIA/EIA

4. RACEWAY CONTRACTOR SHALL PROVIDE CONDUIT THROUGH WALLS AND ACROSS INACCESSIBLE CEILING SPACES TO ENSURE UNOBSTRUCTED CABLING PATHWAYS ARE PROVIDED FROM EACH DEVICE LOCATION BACK TO THE APPROPRIATE IC-ROOM (AS INDICATED BY DIVIDER LINES). RACEWAY CONTRACTOR SHALL COORDINATE PROPOSED ROUTES WITH CABLING CONTRACTOR DURING THE SHOP DRAWING PROCESS TO ENSURE BOTH PARTIES ARE IN AGREEMENT PRIOR TO SUBMITTING SHOP DRAWINGS OR INITIATING WORK IN THE FIELD.

5. ALL TELE/DATA CABLE ROUTED IN J-HOOKS SHALL BE ROUTED IN DEDICATED J-HOOKS, SEPARATE FROM ALL OTHER LOW VOLTAGE CABLING SYSTEMS INCLUDING, BUT NOT LIMITED TO, AV, FIRE ALARM, SECURITY, AND CONTROLS

KEYNOTES

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- 2021.05.19 BP3: PROMENADE - ISSUE FOR BID AND PERMIT 1 2021.08.06 BP3:PROMENADE - BULLETIN 08

Seal / Signature

Project Name

SSRC | BASE AREA **IMPROVEMENTS** 

Project Number 003.7835.000

PROMENADE - TECHNOLOGY PLAN -LEVEL 02

1/8" = 1'-0"

1A-T1.202