















ABBREVIATIONS (SOME ABBREVIATIONS MAY NOT BE USED ON DRAWINGS)				ELECTRICAL SYMBOL LEGEND (SOME SYMBOLS MAY NOT BE USED ON DRAWINGS)		OUTLET MOUNTING HEIGHTS (MEASURE TO CENTER OF BOX, UNLESS OTHERWISE INDICATED)			
ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	SYMBOL	DESCRIPTION	COUNTER HEIGHT (*)	+3 INCHES ABOVE SPLASH	FIRE ALARM	
A or AMP	AMPERES	PRI	PRIMARY		GENERAL	CASEWORK OUTLETS	AS DIRECTED	MANUAL STATIONS	48 INCHES TO TOP
AC	ALTERNATING CURRENT	PT	POTENTIAL TRANSFORMER			SWITCHES AND DIMMERS	48 INCHES	SIGNALING DEVICES	80 INCHES TO BOTTOM
A/C	AIR CONDITIONING	PVC	POLYVINYL CHLORIDE		LIGHT FIXTURE TYPE CALLOUT	RECEPTACLES:		REMOTE ALARM LIGHTS	80 INCHES TO BOTTOM
AIC	AMPERE INTERRUPTING CAPACITY	RECPT	RECEPTACLE		REFERS TO LIGHT FIXTURE SCHEDULE	IN OFFICES AND FINISHED SPACES	18 INCHES	REMOTE ANNUNCIATOR	60 INCHES TO BOTTOM
AL	ALUMINUM	REQ	REQUIRED			IN INDUSTRIAL, MANUFACTURING AND WAREHOUSE SPACES	48 INCHES	GRAPHIC PLAQUES	60 INCHES TO BOTTOM
ARCH	ARCHITECTURAL	RF	RADIO FREQUENCY		ELECTRICAL PLAN NOTE	THERMOSTATS	48 INCHES	SECURITY	
ATC	AUTOMATIC TEMPERATURE CONTROL	RM	ROOM		SCHEDULED CONDUIT CALLOUT	OCCUPANCY SENSORS	12 FEET MAXIMUM	KEY PAD	54 INCHES TO TOP
ATS	AUTOMATIC TRANSFER SWITCH	RMS	ROOT MEAN SQUARE			VOICE (TELEPHONE)	18 INCHES	CARD READER	48 INCHES
AWG	AMERICAN WIRE GAUGE	SEC	SECONDARY	\$	WIRELESS WALL SWITCH, 2-BUTTON & RAISE/LOWER	DATA (COMPUTER)	18 INCHES	CCTV	WITHIN 6 INCHES OF CAMERA MOUNT
BIL	BASIC IMPULSE LEVEL	SHT	SHEET		LUTRON #P2J2-2BRL-GWH-L01	WALL PHONE	48 INCHES	CCTV POLE MOUNTED	20 FEET
BKR	BREAKER	SMR	SURFACE METAL RACEWAY		SWITCH SUBSCRIPTS:	TV WALL MOUNTED	CENTER OF TV BRACKET		
BLDG	BUILDING	SN	SOLID NEUTRAL		OS OCCUPANCY SENSOR	SPEAKERS	90 INCHES		
BMS	BUILDING MANAGEMENT SYSTEM	SP	SINGLE POLE		L LINE VOLTAGE SWITCH	CLOCKS	90 INCHES		
C	CONDUIT	SPD	SURGE PROTECTIVE DEVICE		OCCUPANCY SENSOR	CLOCK/SPEAKER	90 INCHES		
C.O.	CONDUIT ONLY	SPDT	SINGLE POLE, DOUBLE THROW		DAYLIGHT SENSOR				
°C	DEGREES CELSIUS	SPST	SINGLE POLE, SINGLE THROW		EMERGENCY LIGHTING RELAY UNIT				
CB	CIRCUIT BREAKER	SS	STAINLESS STEEL		WIRELESS LIGHTING CONTROL HUB				
CCTV	CLOSED CIRCUIT TELEVISION	STD	STANDARD		LUTRON #HJS-1				
CFM	CUBIC FEET PER MINUTE	SW	SWITCH		WIRELESS LOAD CONTROLLER W/ 0-10V DIMMING				
CKT	CIRCUIT	SWBD	SWITCHBOARD		LUTRON #RMJS-8TN-DV-B				
CL	CENTER LINE	TEL	TELEPHONE		JUNCTION BOX				
CLG	CEILING	TV	TELEVISION		CROSS LINES INDICATE NUMBER OF CONDUCTORS. LONG DENOTES NEUTRAL. BACK-SLASH INDICATES GROUND. CONDUIT IS 1/2" AND CONDUCTOR IS #12 AWG UNLESS OTHERWISE NOTED OR SCHEDULED.				
CONC	CONCRETE	TTB	TELECOMMUNICATIONS TERMINAL BOARD		WRING CONCEALED IN CEILING OR WALL				
CT	CURRENT TRANSFORMER	TYP	TYPICAL		WRING CONCEALED UNDERGROUND OR BELOW FLOOR				
CU	COPPER	UL	UNDERWRITERS LABORATORY		WRING HOMERUN				
CW	COLD WATER	UF	UNDERFLOOR		DUPLEX RECEPTACLE (NEMA 5-20R)				
DB	DECIBELS	UG	UNDERGROUND		SUBSCRIPT: IG ISOLATED GROUND				
DC	DIRECT CURRENT	V	VOLTS		WC WATER COOLER/FOUNTAIN				
DIA	DIAMETER	VA	VOLT AMPERES		REF REFRIGERATOR				
DIV	DIVISION	VAC	VOLTS ALTERNATING CURRENT		COP COPIER				
DPDT	DOUBLE POLE, DOUBLE THROW	VAV	VARIABLE AIR VOLUME		HWD HOT WATER DISPENSER				
DWG	DRAWING	VD	VOLTAGE DROP		MWO MICROWAVE OVEN				
EGC	EQUIPMENT GROUND CONDUCTOR	VDC	VOLTS DIRECT CURRENT		P PEDESTAL				
ELEC	ELECTRIC	VFD	VARIABLE FREQUENCY DRIVE		WP WEATHERPROOF				
EMT	ELECTRICAL METALLIC TUBING	VT	VAPORTIGHT		WPWU WEATHERPROOF WHILE IN USE				
EXST, (E)	EXISTING	W	WATTS		C CEILING				
°F	DEGREES FAHRENHEIT	WP	WEATHERPROOF		DW DISHWASHER				
FA	FIRE ALARM	WPWU	WEATHERPROOF WHILE IN USE		IDF RECEPT LOCATED IN IDF CABINET				
FC	FOOTCANDLE	W/	WITH		TV VIDEO DISPLAY OUTLET. REFER TO ARCHITECTURAL DETAILS FOR MOUNTING HEIGHT				
FLA	FULL LOAD AMPS	W/O	WITHOUT		VM VENDING MACHINE				
FLEX	FLEXIBLE CONDUIT	XFER	TRANSFER						
GALV	GALVANIZED	XFMR	TRANSFORMER						
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	Z	IMPEDANCE						
GND	GROUND								
HF	HARMONIC FILTER								
H-O-A	HAND - OFF - AUTO								
HP	HORSEPOWER								
HPF	HIGH POWER FACTOR								
HVAC	HEATING, VENTILATION & AIR CONDITIONING								
HZ	HERTZ								
J-BOX	JUNCTION BOX								
KV	KILOVOLTS								
KVA	KILOVOLT AMPERES								
KVAR	REACTIVE KILOVOLT AMPERES								
KW	KILOWATTS								
KWH	KILOWATT HOURS								
LT	LIGHT								
LTG	LIGHTING								
MAX	MAXIMUM								
MCA	MINIMUM CIRCUIT AMPS								
MCB	MAIN CIRCUIT BREAKER								
MCC	MOTOR CONTROL CENTER								
MCM, KCM	THOUSAND CIRCULAR MILS								
MDF	MAIN DISTRIBUTION FRAME								
MECH	MECHANICAL								
MH	MANHOLE								
MIN	MINIMUM								
MLO	MAIN LUGS ONLY								
MOP, MOCP	MAXIMUM OVERCURRENT PROTECTION								
MTD	MOUNTED								
MTG	MOUNTING								
NC	NORMALLY CLOSED								
N, NEUT	NEUTRAL								
NIC	NOT IN CONTRACT								
NL	NIGHT LIGHT								
NO	NORMALLY OPEN								
NTS	NOT TO SCALE								
OC	ON CENTER								
OD	OUTSIDE DIAMETER								
OH	OVERHEAD								
PA	PUBLIC ADDRESS								
PB	PULLBOX								
PF	POWER FACTOR								
ø or PH	PHASE								
PNL	PANEL								
PR	PAIR								

GENERAL ELECTRICAL NOTES:

- BRANCH CIRCUIT NOTES:
A. VERIFY BRANCH CIRCUIT WIRE COUNT BEFORE PULLING CONDUCTORS. PROVIDE REQUIRED CONDUCTORS TO EACH OUTLET AND DEVICE FOR PHASE, NEUTRAL AND EQUIPMENT GROUND BASED ON CIRCUIT DESIGNATIONS SHOWN AND AS OTHERWISE INDICATED ON PLANS OR NOTE BELOW.
B. FOR SWITCHED OUTLETS, PROVIDE ADDITIONAL CONDUCTOR COUNT REQUIRED FOR SWITCH LEGS TO ACCOMMODATE SWITCH CONTROL INDICATED. MAINTAIN UNSWITCHED LEG IN LIGHTING BRANCH CIRCUITS TO EXIT, EMERGENCY, AND NIGHT LIGHTING SHOWN.
C. MINIMUM BRANCH CIRCUIT CONDUCTOR SIZE FOR OUTDOOR AND EXTERIOR BUILDING LIGHTING AND FOR BRANCH CIRCUIT HOMERUN GREATER THAN 75 FEET IN LENGTH SHALL BE #10 AWG.
D. PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR BRANCH CIRCUITS SERVING RECEPTACLE OUTLETS UNLESS OTHERWISE INDICATED.
- MINIMUM CONDUIT SIZE FOR HOMERUNS AND FOR CONDUIT INSTALLED BELOW GRADE OUTDOORS SHALL BE 3/4 INCH.
- VERIFY BACK BOX REQUIREMENTS OF EQUIPMENT FURNISHED UNDER OTHER THAN DIVISION 26 SECTIONS AND EQUIPMENT FURNISHED BY OWNER.
- MINIMUM CONDUCTOR SIZE FOR ANY BRANCH CIRCUIT AND/OR FEEDER IN THE INDUSTRIAL PLANT AREA SHALL BE #10 AWG. BRANCH CIRCUIT HOMERUN CONDUCTOR SIZE SHALL BE SIZED FOR VOLTAGE DROP AS FOLLOWS:

WIRE SIZE	120 VAC	277 VAC
#10 AWG	0 - 150 FEET	0 - 350 FEET
#8 AWG	150 - 250 FEET	350 - 550 FEET
#6 AWG	250 - 400 FEET	550 - 850 FEET

ISSUED FOR BID
APRIL 19, 2022

6675 G2 SH 2 OF 9	FABULICH CENTER LIGHTING UPGRADE	SYMBOL LEGEND	APPROVED:		K. SINCLAIR 04/19/22	KASNE Engineering 846 FACTORY BOULEVARD, SUITE 200 BELLEVUE, WA 98006 WWW.KASNE.COM (425) 552-1000		Port of Tacoma P.O. BOX 1887 TACOMA, WA 98401 (253) 888-5841	
			CHECKED BY: <i>[Signature]</i> DATE: 04/19/22 DIRECTOR ENG. DATE: 04/19/22 PRINTED BY: Roy Farley Apr 20, 2022 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	REVISION: MARK: REVISOR: 3/4 LIGHTING CLL BY: APPR: DATE: 04/19/22	CONTRACT/CONS: 071644 M. ID: 101530.01 PHASE: ISSUED FOR BID	TOWNSHIP: DAT-HRZ: WA83-SF PARCEL:			

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BILL OF MATERIALS

FLOOR 3					
DESCRIPTION	MANUFACTURER	PART NUMBER	QTY	COMMENTS	
2' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN	SIGNIFY	2EVGH45L835-4-D-UNV-DIM-VDO	174		
2' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN, BATTERY BACKUP	SIGNIFY	2EVGH45L835-4-D-UNV-DIM-VDO-EMLED	15		
1' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN	SIGNIFY	1EVGH38L835-4-D-UNV-DIM-VDO	4		
1' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN, BATTERY BACKUP	SIGNIFY	1EVGH38L835-4-D-UNV-DIM-VDO-EMLED	2		
RECESSED 8" LED DOWNLIGHT FIXTURE	GE	LRXR810835MD	24		
4' LED TUBE FOR COVE LIGHTING	GE	LED9BDT8/G4/835XL	8		
WIRELESS LIGHTING CONTROL HUB, SURFACE MOUNT	LUTRON	HJS-1-SM	1		
WIRELESS LIGHTING LOAD CONTROLLER, 8A RATED, 0-10V DIMMING, SINGLE ZONE	LUTRON	RMJS-8TN-DV-B	12		
WIRELESS WALL SWITCH, ON/OFF W/ RAISE/LOWER, WHITE	LUTRON	PJ2-2BRL-GWH-L01	67		
SWITCH WALLBOX MOUNTING ADAPTER, SINGLE GANG	LUTRON	PICO-WBX-ADAPT	AS NEEDED		
FLOOR 4					
DESCRIPTION		PART NUMBER	QTY	COMMENTS	
2' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN	SIGNIFY	2EVGH45L835-4-D-UNV-DIM-VDO	156		
2' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN, BATTERY BACKUP	SIGNIFY	2EVGH45L835-4-D-UNV-DIM-VDO-EMLED	12		
2' x 2' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN	SIGNIFY	2EVGH30L835-2-D-UNV-DIM-VDO	3		
2' x 2' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN, BATTERY BACKUP	SIGNIFY	2EVGH30L835-2-D-UNV-DIM-VDO-EMLED	2		
1' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN	SIGNIFY	1EVGH38L835-4-D-UNV-DIM-VDO	5		
1' x 4' LED LIGHT FIXTURE, OCCUPANCY & DAYLIGHT SENSORS, VIVE WIRELESS, AIR RETURN, BATTERY BACKUP	SIGNIFY	1EVGH38L835-4-D-UNV-DIM-VDO-EMLED	2		
RECESSED 8" LED DOWNLIGHT FIXTURE	GE	LRXR810835MD	13		
4' LED TUBE FOR COVE LIGHTING	GE	LED9BDT8/G4/835XL	8		
WIRELESS LIGHTING CONTROL HUB, SURFACE MOUNT	LUTRON	HJS-1-SM	1		
WIRELESS LIGHTING LOAD CONTROLLER, 8A RATED, 0-10V DIMMING, SINGLE ZONE	LUTRON	RMJS-8TN-DV-B	5		
WIRELESS WALL SWITCH, ON/OFF W/ RAISE/LOWER, WHITE	LUTRON	PJ2-2BRL-GWH-L01	29		
SWITCH WALLBOX MOUNTING ADAPTER, SINGLE GANG	LUTRON	PICO-WBX-ADAPT	AS NEEDED		

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6675

G3

SH 3 OF 9

CONT/CONS: 071644
M. ID: 101530.01
PHASE: ISSUED FOR BID

FABULICH CENTER LIGHTING UPGRADE

BILL OF MATERIALS

TOWNSHIP: DAT-HRZ: WA83-SF	RANGE: VERT: MLLW 19.39' @ Tide 22 1933	SECTION: DRAWING SCALE: AS NOTED
PARCEL:		

APPROVED:

[Signature]
DIRECTOR

K. SINCLAIR	04/19/22
CHECKED BY	DATE
C. LINDER	04/19/22
PROJ. ENGR	DATE
PRINTED BY: RoyForley	Apr 20, 2022
PORT ADDRESS: ONE SITCUM PLAZA	
TACOMA, WA 98401-1837	



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BY: [Signature]

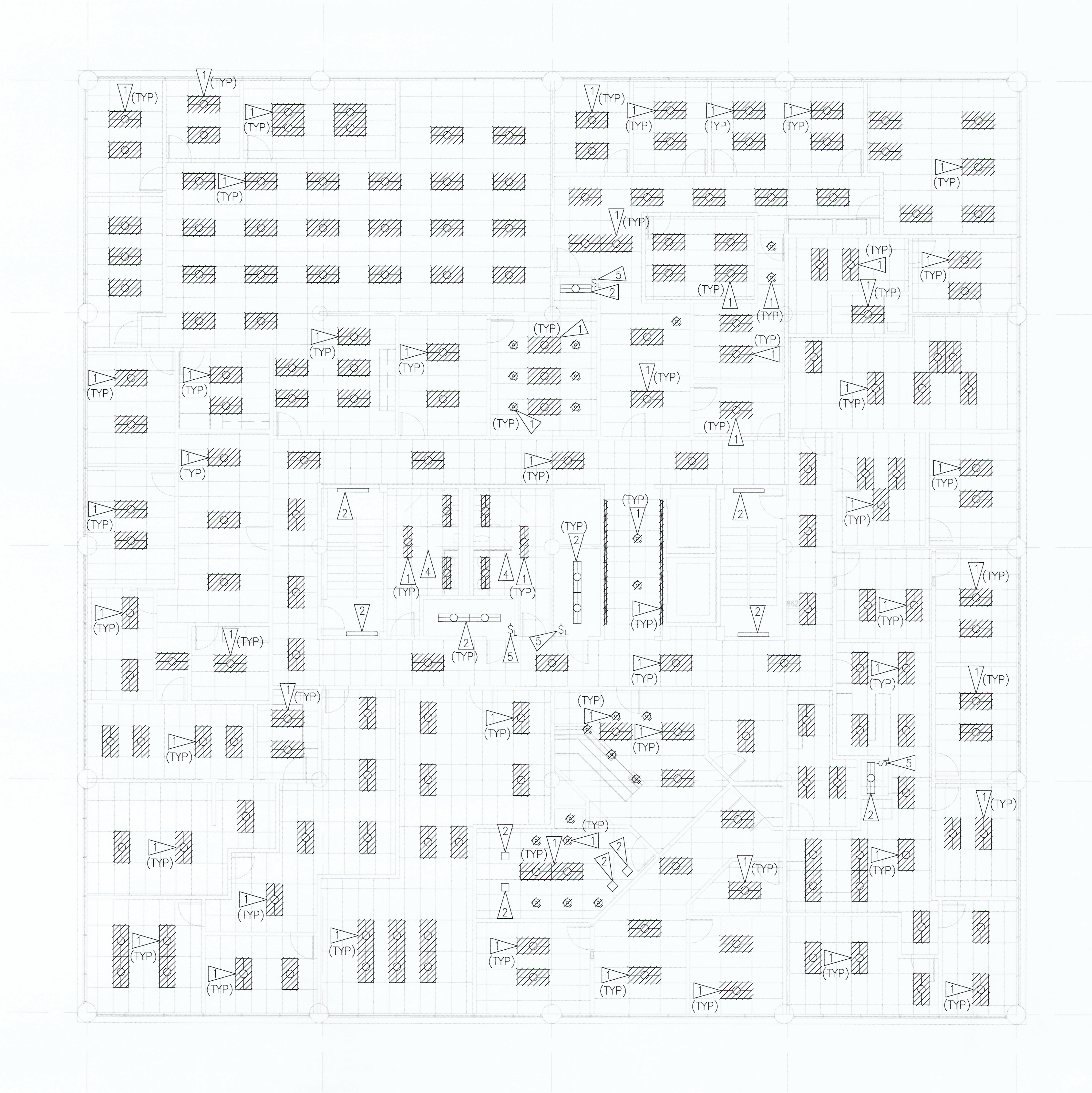
DATE: 04/19/22

REVISION: FLOOR 3/4 LIGHTING

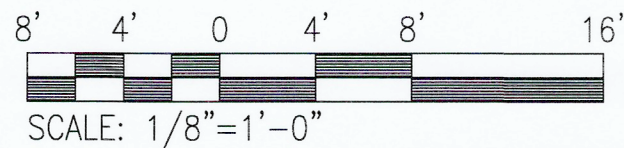
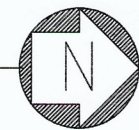
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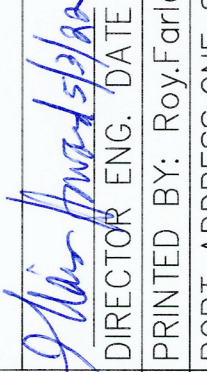


THIRD FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



DEMOLITION NOTES

- 1 DISCONNECT AND REMOVE LIGHT FIXTURE. RETAIN CONDUIT AND CONDUCTORS FOR REPLACEMENT FIXTURE.
- 2 FIXTURE TO REMAIN IN PLACE. DO NOT REMOVE.
- 3 DISCONNECT AND REMOVE ALL LIGHT SWITCHES IN ALL ROOMS. RETAIN WALL BOXES AND CONNECT FIXTURE FEEDER CONDUCTORS IN SWITCH BOXES TO PROVIDE DIRECT FIXTURE POWER. PREPARE SWITCH BOXES FOR NEW WIRELESS SWITCHES.
- 4 DISCONNECT AND REMOVE OCCUPANCY SENSOR. DISCONNECT AND REMOVE CONDUIT AND CONDUCTORS TO PREPARE FOR DIRECT FEED TO NEW REPLACEMENT FIXTURES.
- 5 WALL SWITCH TO REMAIN IN PLACE. DO NOT REMOVE.
- 6 CONTRACTOR TO PROPERLY DISPOSE OF ALL REMOVED FIXTURES AND BULBS WITH THE EXCEPTION OF THE FOLLOWING:
 - 50 EACH 2'X4'
 - 5 EACH 2'X2'
 - 13 EACH 1'X4'FIXTURES TO BE KEPT WILL BE STORED IN FABULICH CENTER SUITE 202. FIXTURE COUNT ABOVE IS TOTAL FOR BOTH FLOORS.

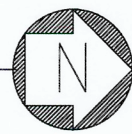
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APRIL 19, 2022

6675 E1R SH 4 OF 9	FABULICH CENTER LIGHTING UPGRADE		APPROVED:  K. SINCLAIR 04/19/22 CHECKED BY: DATE C. LINDER 04/19/22		CASNE Engineering 3546 FACTORY BOULEVARD SE, SUITE 200 BELLEVUE, WA 98006 WWW.CASNE.COM (425) 525-1000 P.O. BOX 1837 TACOMA, WA 98401 (206) 888-5941		 P.O. BOX 1837 TACOMA, WA 98401 (206) 888-5941	
	CONTRACT/CONS: 071644 M. ID: 101530.01 PHASE: ISSUED FOR BID	TOWNSHIP: DAT-HRZ: WA83-SF RANGE: M.L.W. 19.39' @ Tide 22.19.33 VERT: PARCEL:	SECTION: M.L.W. 19.39' @ Tide 22.19.33 DRAWING SCALE: AS NOTED	DIRECTOR ENG. DATE PRINTED BY: Roy Forey Apr. 20, 2022 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	MARK: REVISION: BY: DATE FLOOR 3/4 LIGHTING C/L KMS 04/19/22			

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

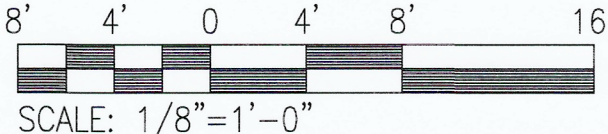


REFERENCE DRAWINGS

- G2 SYMBOL LEGEND
- E3 LIGHT FIXTURE SCHEDULE

CONSTRUCTION NOTES

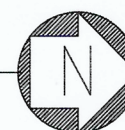
1. PROVIDE AND INSTALL LIGHT FIXTURE IN LOCATION AS SHOWN TO REPLACE REMOVED FIXTURE. SEE FIXTURE SCHEDULE FOR FIXTURE TYPE. RE-CONNECT EXISTING CONDUIT AND CONDUCTORS TO PROVIDE CONSTANT POWER.
2. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS AS NEEDED TO RE-CONFIGURE LIGHTING CIRCUIT TO DIRECTLY FEED FIXTURES AFTER REMOVAL OF EXISTING OCCUPANCY SENSOR.
3. AFTER CONNECTING WIRES IN LIGHT SWITCH BOXES TO PROVIDE DIRECT POWER TO NEW WIRELESS FIXTURES, PROVIDE AND INSTALL WIRELESS DIGITAL LIGHT SWITCHES IN QUANTITY AND LOCATION AS SHOWN. PROVIDE HARDWARE AS NEEDED TO RETROFIT EXISTING WALL BOXES FOR NEW WIRELESS SWITCHES. PROVIDE NEW SWITCHES IN SAME LOCATION AS REMOVED SWITCHES. SEE LEGEND FOR LIGHT SWITCH PART NUMBER.
4. PROVIDE AND INSTALL LUTRON VIVE HUB IN LOCATION AS SHOWN. ADHERE TO MANUFACTURER INSTALLATION GUIDELINES.
5. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS TO AVAILABLE SINGLE POLE CIRCUIT IN 120V PANEL AS SHOWN. REDLINE PANEL SCHEDULE.
6. PROVIDE AND INSTALL WIRELESS LOAD CONTROLLER IN LOCATION AS SHOWN FOR CONTROL OF REPLACEMENT FIXTURES. SEE LEGEND FOR PRODUCT NUMBER. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS AS NEEDED TO WIRE REPLACEMENT FIXTURES AND NEW LOAD CONTROLLER INTO EXISTING CIRCUIT AS SHOWN.
7. PROVIDE AND INSTALL 0-10V DIMMING WIRES FROM LOAD CONTROLLER TO REPLACEMENT FIXTURES.
8. FIXTURE TO REMAIN.
9. WALL SWITCH TO REMAIN.
10. PROVIDE AND INSTALL LIGHT SWITCH IN NEW LOCATION AS SHOWN. PROVIDE HARDWARE AS NECESSARY TO MATCH ALL OTHER NEW RETROFIT SWITCH LOCATIONS.
11. CONTRACTOR SHALL PROVIDE SUBMITTAL OF LIGHTING CONTROLS PROGRAMMING INTENT PRIOR TO PROGRAMMING. SUBMITTAL SHALL INCLUDE WHICH SWITCHES ARE TO CONTROL WHICH LIGHTING ZONES.



ISSUED FOR BID
APRIL 19, 2022

6675 E1 SH 5 OF 9	FABULICH CENTER LIGHTING UPGRADE			3RD FLOOR LIGHTING PLAN		
	CONTRACT/CONS: 071644	TOWNSHIP: 101530.01	DAT-HRZ: WA83-SF	RANGE: MILLW 19.39' @ Tide 22 1933	SECTION: 1	DRAWING SCALE: AS NOTED
PHASE: ISSUED FOR BID	PARCEL:	PRINTED BY: RoyFarley Apr 20, 2022	PORT ADDRESSONE SITCLUM PLAZA	DIRECTOR ENG. DATE: 04/19/22	PROJ. ENGR DATE: 04/19/22	CHECKED BY DATE: 04/19/22
APPROVED: <i>[Signature]</i>			K. SINCLAIR 04/19/22			DATE: 04/19/22
CASNE Engineering 8545 FACTORIA BOULEVARD SE, SUITE 200 BELLEVUE, WA 98008 WWW.CASNE.COM (425) 522-1000			BY: KMS REVISION: FLOOR 3/4 LIGHTING MARK: CL			DATE: 04/19/22
Port of Tacoma P.O. BOX 1887 TACOMA, WA 98401 (206) 835-5841			Professional Engineer K. SINCLAIR STATE OF WASHINGTON LICENSE NO. 39533 EXPIRATION DATE: 12/31/2024			

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1. DISCONNECT AND REMOVE LIGHT FIXTURE. RETAIN CONDUIT AND CONDUCTORS FOR REPLACEMENT FIXTURE.
2. FIXTURE TO REMAIN IN PLACE. DO NOT REMOVE.
3. DISCONNECT AND REMOVE ALL LIGHT SWITCHES IN ALL ROOMS. RETAIN WALL BOXES AND CONNECT FIXTURE FEEDER CONDUCTORS IN SWITCH BOXES TO PROVIDE DIRECT FIXTURE POWER. PREPARE SWITCH BOXES FOR NEW WIRELESS SWITCHES.
4. DISCONNECT AND REMOVE OCCUPANCY SENSOR. DISCONNECT AND REMOVE CONDUIT AND CONDUCTORS TO PREPARE FOR DIRECT FEED TO NEW REPLACEMENT FIXTURES.
5. WALL SWITCH TO REMAIN IN PLACE. DO NOT REMOVE.
6. CONTRACTOR TO PROPERLY DISPOSE OF ALL REMOVED FIXTURES AND BULBS WITH THE EXCEPTION OF THE FOLLOWING:
 - 50 EACH 2'X4'
 - 5 EACH 2'X2'
 - 13 EACH 1'X4'FIXTURES TO BE KEPT WILL BE STORED IN FABULICH CENTER SUITE 202. FIXTURE COUNT ABOVE IS TOTAL FOR BOTH FLOORS.

8' 4' 0 4' 8' 16'

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

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APRIL 19, 2022



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APPROVED:	K. SINCLAIR 04.19.22 CHECKED BY DATE
<i>Maia Hines</i>	C. LINDER 04.19.22 PROJ. ENGR DATE
DIRECTOR ENG. DATE	PRINTED BY: RoyFarley Apr 20, 2022
	PORT ADDRESS: ONE SITCOM PLAZA
	TACOMA, WA 98401 - 837

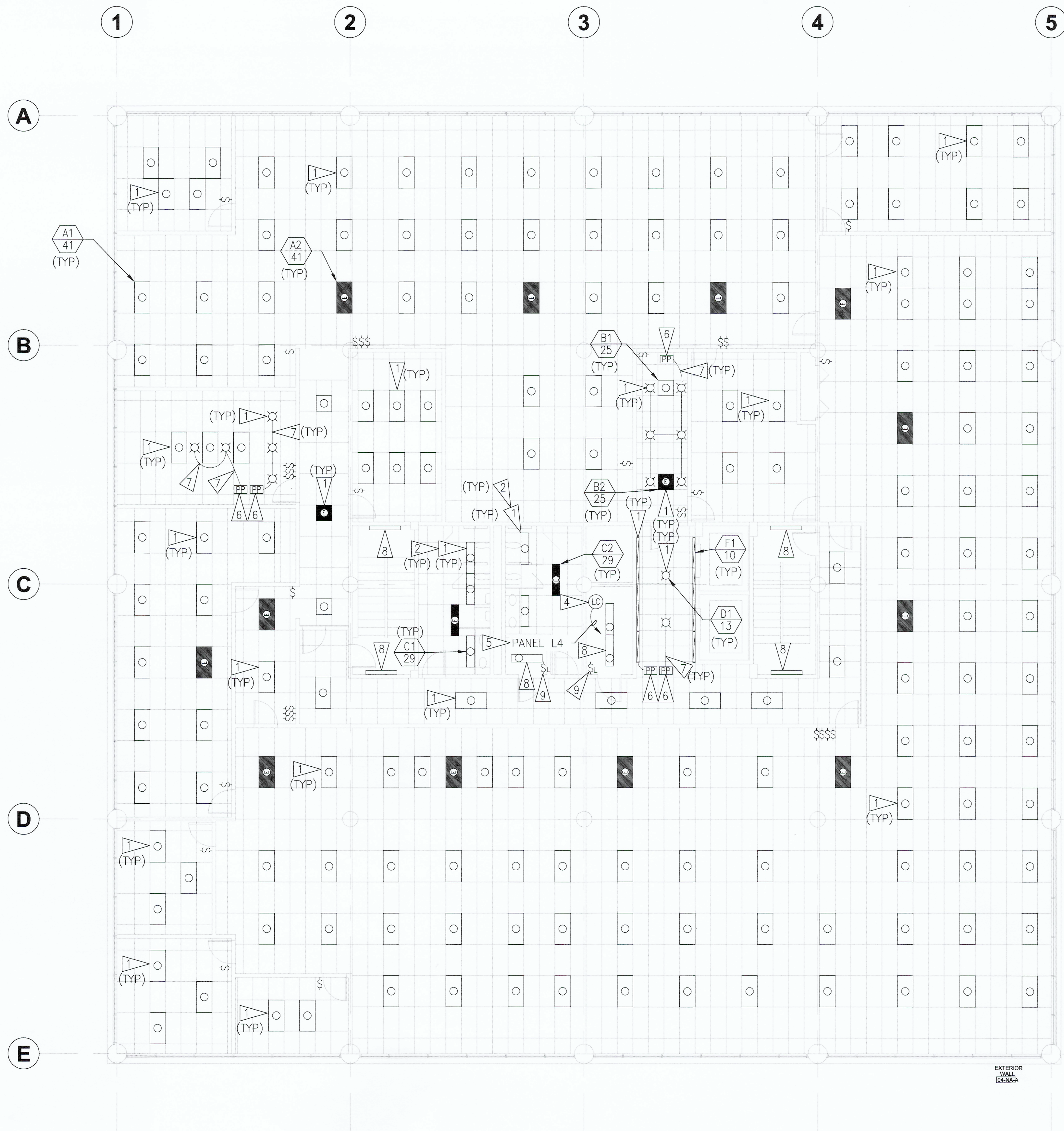
FABULICH CENTER LIGHTING UPGRADE

6675
E2R
SH 6 OE 9

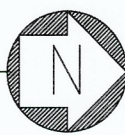
SH 6 OF 9

CONTRACT NO.	CONTRACT/CONS.	TOWNSHIP:	RANGE:	SECTION:	PRINTED BY:	DATE
013-000000	071644				RayFarley	04/20/2022
	M. ID:	101530.01	DAT-HRZ: WA83-SF		VERT: MLLW 19'39" @ Tide 22 1933	
PHASE: ISSUED FOR BID		PARCEL:	DRAWING SCALE: AS NOTED		PORT ADDRESS: ONE SITCUM PLAZA	
					TACOMA, WA 98401-1837	

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

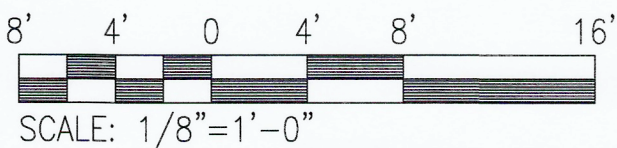


REFERENCE DRAWINGS

- G2 SYMBOL LEGEND
- E3 LIGHT FIXTURE SCHEDULE

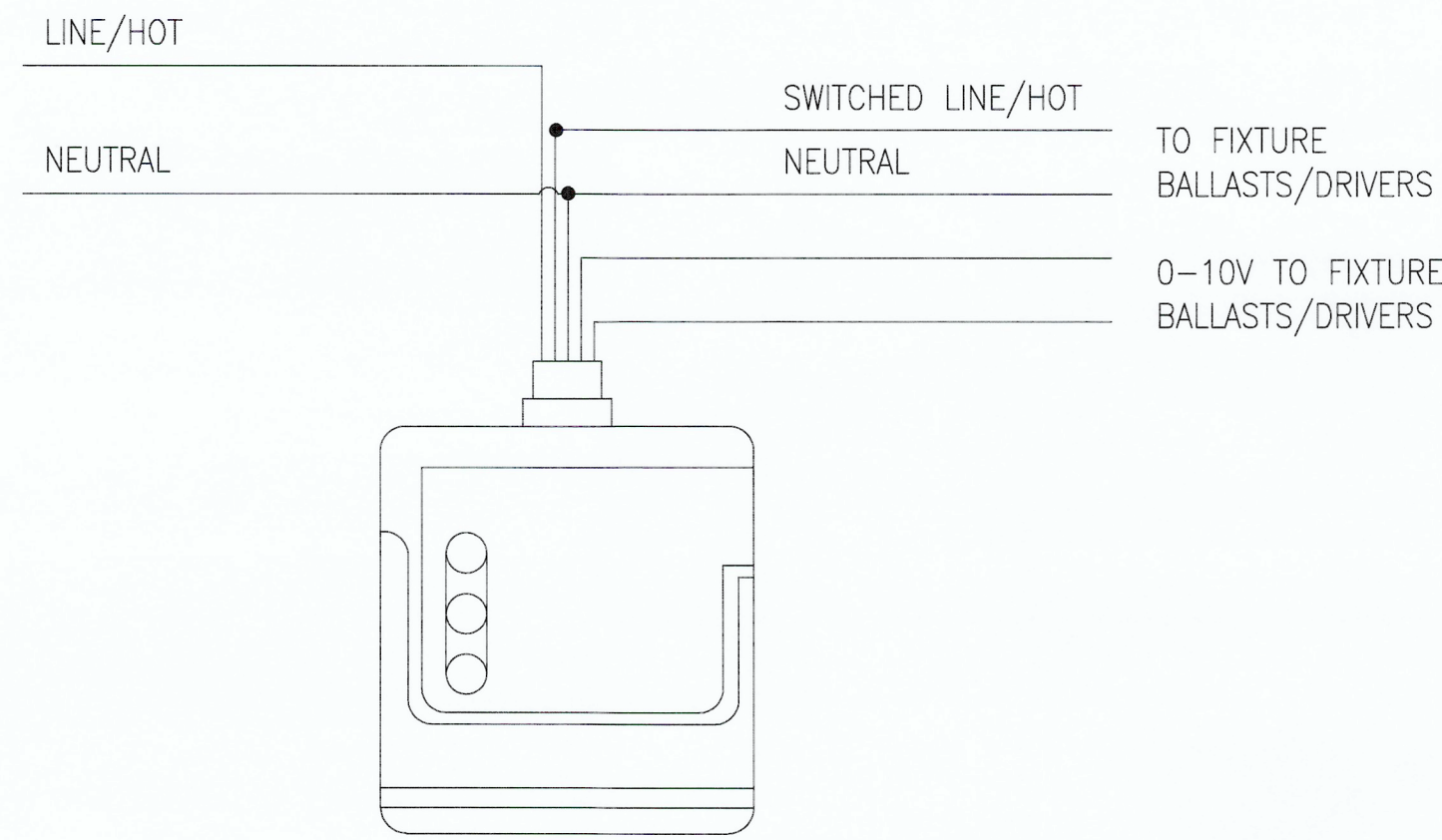
CONSTRUCTION NOTES

1. PROVIDE AND INSTALL LIGHT FIXTURE IN LOCATION AS SHOWN TO REPLACE REMOVED FIXTURE. SEE FIXTURE SCHEDULE FOR FIXTURE TYPE. RE-CONNECT EXISTING CONDUIT AND CONDUCTORS TO PROVIDE CONSTANT POWER.
2. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS AS NEEDED TO RE-CONFIGURE LIGHTING CIRCUIT TO DIRECTLY FEED FIXTURES AFTER REMOVAL OF EXISTING OCCUPANCY SENSOR.
3. AFTER CONNECTING WIRES IN LIGHT SWITCH BOXES TO PROVIDE DIRECT POWER TO NEW WIRELESS FIXTURES, PROVIDE AND INSTALL WIRELESS DIGITAL LIGHT SWITCHES IN QUANTITY AND LOCATION AS SHOWN. PROVIDE HARDWARE AS NEEDED TO RETROFIT EXISTING WALL BOXES FOR NEW WIRELESS SWITCHES. PROVIDE NEW SWITCHES IN SAME LOCATION AS REMOVED SWITCHES. SEE LEGEND FOR LIGHT SWITCH PART NUMBER.
4. PROVIDE AND INSTALL LUTRON VIVE HUB IN LOCATION AS SHOWN. ADHERE TO MANUFACTURER INSTALLATION GUIDELINES.
5. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS TO AVAILABLE SINGLE POLE CIRCUIT IN 120V PANEL AS SHOWN. REDLINE PANEL SCHEDULE.
6. PROVIDE AND INSTALL WIRELESS LOAD CONTROLLER IN LOCATION AS SHOWN FOR CONTROL OF REPLACEMENT FIXTURES. SEE LEGEND FOR PRODUCT NUMBER. PROVIDE AND INSTALL CONDUIT AND CONDUCTORS AS NEEDED TO WIRE REPLACEMENT FIXTURES AND NEW LOAD CONTROLLER INTO EXISTING CIRCUIT AS SHOWN.
7. PROVIDE AND INSTALL 0-10V DIMMING WIRES FROM LOAD CONTROLLER TO REPLACEMENT FIXTURES.
8. FIXTURE TO REMAIN.
9. WALL SWITCH TO REMAIN.
10. CONTRACTOR SHALL PROVIDE SUBMITTAL OF LIGHTING CONTROLS PROGRAMMING INTENT PRIOR TO PROGRAMMING. SUBMITTAL SHALL INCLUDE WHICH SWITCHES ARE TO CONTROL WHICH LIGHTING ZONES.



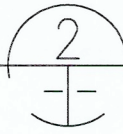
ISSUED FOR BID
APRIL 19, 2022

6675										FABULICH CENTER LIGHTING UPGRADE										4TH FLOOR LIGHTING PLAN										SH 7 OF 9																													
E2																																																											
CONTRACT/CONS: 071644										TOWNSHIP: 101530.01										DATE-HRZ: WA83-SF										RANGE: 19.39' @ Tide 22 1933										SECTION: MLLW 19.39' @ Tide 22 1933																			
M. ID: 101530.01										DATE: 04/19/22										BY: KMS										DATE: 04/19/22																													
PHASE: ISSUED FOR BID										DRAWING SCALE: AS NOTED										PORT ADDRESS: ONE SITCOM PLAZA										TACOMA, WA 98401-1837																													
APPROVED:										K. SINCLAIR 04.19.22										CHECKED BY: C. LINDER 04.19.22										DIRECTOR ENG. DATE: 04.19.22										PROJECT ENG. DATE: 04.19.22										PROJECT ENG. DATE: 04.19.22									
PRINTED BY: RoyFarley Apr 20, 2022										PORT ADDRESS: ONE SITCOM PLAZA										TACOMA, WA 98401-1837																																							
MARK: REVISION: FLOOR 3/4 LIGHTING										BY: KMS										DATE: 04/19/22																																							
CASNE Engineering										3545 FACTORY BLVD SUITE 200 BELLEVUE, WA 98006 WWW.CASNE.COM JOB NO. 21103-0601 (425) 932-1000										P.O. BOX 1837 TACOMA, WA 98401 (253) 933-9461										Part of Tacoma																													



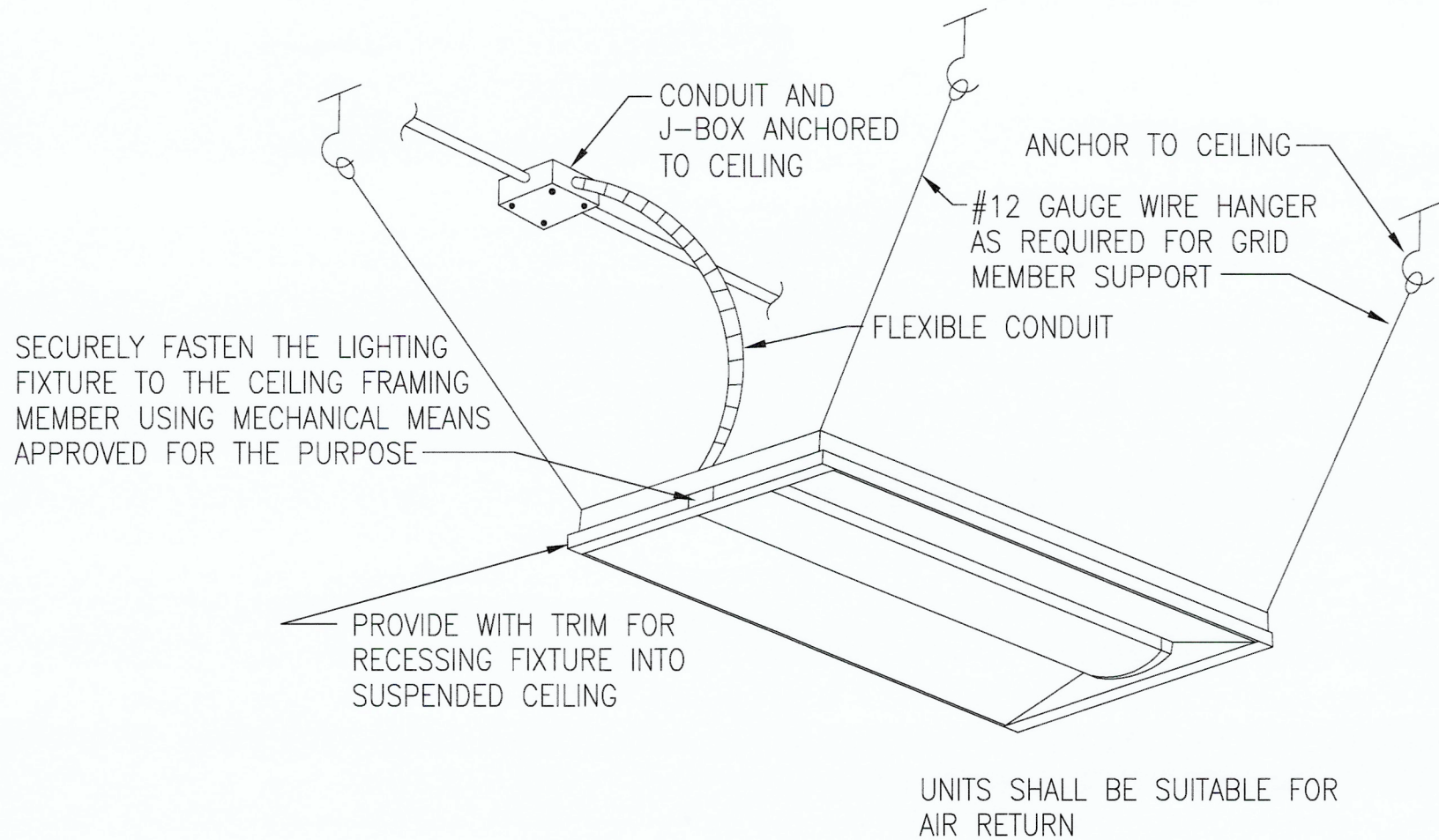
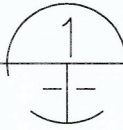
TYPICAL WIRELESS LOAD CONTROLLER WIRING

SCALE: NONE



TYPICAL RECESSED LIGHT FIXTURE MOUNTING DETAIL

SCALE: NONE



6675

E4

SH 9 OF 9

CONT/CONS: 071644
M. ID: 101530.01
PHASE: ISSUED FOR BID

FABULICH CENTER LIGHTING UPGRADE

ELECTRICAL DETAILS

TOWNSHIP: DAT-HRZ: WA83-SF
RANGE: MLLW 19.39' @ Tide 22 1933
PARCEL: DRAWING SCALE: AS NOTED

APPROVED:

[Signature]
DIRECTOR ENG. DATE

PRINTED BY: RoyForrey Apr 20, 2022
PORT ADDRESS ONE SITCUM PLAZA
TACOMA, WA 98401-1837

K. SINCLAIR 04.19.22

CHECKED BY DATE
C. LINDER 04.19.22

PROJ. ENGR DATE
PRINTED BY: RoyForrey Apr 20, 2022



CASNE Engineering

3546 FACTORIA BOULEVARD SE, SUITE 200
BELLEVUE, WA 98006
WWW.CASNE.COM JOB NO. 211038-001
(425) 522-1000

MARK: REVISION: BY: DATE:
FLOOR 3/4 LIGHTING CLL KMS 04/19/22

ISSUED FOR BID
APRIL 19, 2022

