

TELECOMMUNICATIONS ROUGH-IN SCHEDULE										
SYMBOL	MOUNTING HEIGHT	DEVICE NAME	OUTLET BOX			CONDUIT			DETAIL	NOTES
			QTY	SIZE	MUD RING	QTY	SIZE	TERMINATION LOCATION		
△	STANDARD, UON	CATEGORY 6A DEVICE	1	4-11/16"	SINGLE GANG	1	1-1/4"	ACCESSIBLE CLG SPACE		-
△ _{AC}	ABOVE COUNTER	CATEGORY 6A DEVICE	1	4-11/16"	SINGLE GANG	1	1-1/4"	ACCESSIBLE CLG SPACE		2
△ _W	+44"	CATEGORY 6A WALL PHONE DEVICE	1	4-11/16"	SINGLE GANG	1	1"	ACCESSIBLE CLG SPACE		-
△ _{MAP}	CEILING/ BOTTOM BEAM	CATEGORY 6A WAP DEVICE	1	4-11/16"	SINGLE GANG	1	1-1/4"	CLG SPACE		1
△ _{WAP}	ABOVE CLG	CATEGORY 6A WAP DEVICE	-	-	-	-	-	-		-
GENERAL NOTE 1: MOUNTING HEIGHTS NOTED ON THE SCHEDULE REFER TO CENTER OF BACK BOX. GENERAL NOTE 2: REFERENCE DIVISION 27 AND 28 ROUGH-IN SCHEDULES FOR TELECOMMUNICATIONS DEVICES AND CONNECTIVITY OF IP DEVICES. GENERAL NOTE 3: PROVIDE INSULATING BUSHING ON CONDUIT END AT TERMINATION IN ACCESSIBLE CEILING PRIOR TO CABLE INSTALLATION. NOTE 1: PROVIDE ROUGH-IN FOR HARD-LID AND OPEN TO STRUCTURE CEILINGS. MOUNT FLUSH IN HARD-LID CEILINGS AND SURFACE MOUNT IN OPEN TO STRUCTURE CEILING. NOTE 2: MOUNT DEVICE ABOVE COUNTER TO MATCH ELECTRICAL RECEPTACLE HEIGHT AND ORIENTATION (VERTICAL OR HORIZONTAL). NOTE 3: NOT USED										

AUDIO VISUAL ROUGH-IN SCHEDULE										
SYMBOL	MOUNTING HEIGHT	DEVICE NAME	OUTLET BOX			CONDUIT			DETAIL	NOTES
			QTY	SIZE	MUD RING	QTY	SIZE	TERMINATION LOCATION		
H _{TV}	STANDARD, UON	CATV OUTLET	1	4"S	SINGLE GANG	1	3/4"	ACCESSIBLE CLG SPACE	-	-
GENERAL NOTE 1: MOUNTING HEIGHTS INDICATED ON THE SCHEDULE REFER TO CENTER OF BACK BOX.										

ACCESS CONTROL ROUGH-IN SCHEDULE										
SYMBOL	MOUNTING HEIGHT	DEVICE NAME	OUTLET BOX			CONDUIT			DETAIL	NOTES
			QTY	SIZE	MUD RING	QTY	SIZE	TERM LOCATION		
H _{DR}	+44"	CARD READER	1	4"S	SINGLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		3
H _{CRK}	+44"	CARD READER WITH KEYPAD	1	4"S	SINGLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		3
H _{CRM}	+44"	CARD READER, MULLION	-	-	-	1	3/4"	ACCESSIBLE CLG SPACE		-
PS	TOP OF FRAME	DOOR POSITION SWITCH		SEE NOTE	SEE NOTE	1	3/4"	ACCESSIBLE CLG SPACE		2.5
ECB	+48"	EMERGENCY CALL BOX	-	SPECIALTY BACK BOX	-	1	3/4"	ACCESSIBLE CLG SPACE		4
MR	-	INTEGRAL MICRO REX	-	-	-	-	-	-		2
EL	SEE NOTE	ELECTRIFIED LOCKSET/ EXIT DEVICE	VARIES	MASONRY	-	VARIES	3/4"	ACCESSIBLE CLG SPACE		2.6
ES	SEE NOTE	ELECTRIFIED DOOR STRIKE	1	MASONRY	-	1	3/4"	ACCESSIBLE CLG SPACE		2.6
GENERAL NOTE 1: MOUNTING HEIGHTS INDICATED ON THE SCHEDULE REFER TO CENTER OF BACK BOX. NOTE 1: PROVIDE CATEGORY 6A CABLING (BY 271100) FOR DEVICE NETWORK CONNECTION. NOTE 2: COORDINATE REQUIREMENTS WITH SECURITY CONTRACTOR AND DOOR HARDWARE CONTRACTOR. NOTE 3: SINGLE GANG MASONRY BACK BOX ACCEPTABLE FOR EXTERIOR MOUNTED DEVICE. NOTE 4: PROVIDE CATEGORY 6A CABLING (BY 271100) FOR DEVICE ANALOG TELEPHONE LINE CONNECTION. NOTE 5: WHERE DOOR FRAME IS FILLED, PROVIDE SINGLE GANG MASONRY BACK BOX AT TOP OF DOOR FRAME AT 12" ON CENTER FROM STRIKE SIDE OF DOOR. NOTE 6: PROVIDE SINGLE GANG MASONRY BACK BOX AT CENTER HINGE ON BOTH SIDES OR AT STRIKE.										

VIDEO SURVEILLANCE ROUGH-IN SCHEDULE										
SYMBOL	MOUNTING HEIGHT	DEVICE NAME	OUTLET BOX			CONDUIT			DETAIL	NOTES
			QTY	SIZE	MUD RING	QTY	SIZE	TERMINATION LOCATION		
C	CEILING	IP CAMERA	1	4"S	DOUBLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		1,3
H-C	VARIES	IP CAMERA	1	4"S	DOUBLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		1,3,4
H-C ₂	VARIES	MULTI-LENS IP CAMERA	1	4"S	DOUBLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		1,3,4
C ₂	CEILING	MULTI-LENS IP CAMERA	1	4"S	DOUBLE GANG	1	3/4"	ACCESSIBLE CLG SPACE		1,3
GENERAL NOTE 1: MOUNTING HEIGHTS INDICATED ON THE SCHEDULE REFER TO CENTER OF BACK BOX. NOTE 1: PROVIDE CATEGORY 6A CABLING (BY 271100) FOR DEVICE NETWORK CONNECTION. NOTE 2: PROVIDE OPTICAL FIBER CABLING (BY 271100) AND MEDIA CONVERTER (BY 282300) FOR DEVICE NETWORK CONNECTION. NOTE 3: COORDINATE BACK BOX AND MUD RING WITH VIDEO SURVEILLANCE CONTRACTOR PRIOR TO ROUGH-IN. NOTE 4: SINGLE GANG MASONRY BACK BOX ACCEPTABLE FOR EXTERIOR CAMERA LOCATION.										

MECHANICAL EQUIPMENT CONNECTION SCHEDULE												
TAG	DESCRIPTION	HP/KW/VA	VOLTS / PHASE	MCA	FUSE (MOCP)	DISC. SWITCH	STARTER	CIRCUIT	FEEDER SIZE	TAG	REMARKS	NOTES
FC-1	FAN COL	-	208V1PH	1.56	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-1		
FC-2	FAN COL	-	208V1PH	0.28	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-2		
FC-3	FAN COL	-	208V1PH	0.5	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-3		
FC-4	FAN COL	-	208V1PH	1.56	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-4		
FC-5	FAN COL	-	208V1PH	4.16	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-5		
FC-6	FAN COL	-	208V1PH	0.38	-	30		M1-1.3	3/4"C, 3#12, 1#12 GND	FC-6		
FC-7	FAN COL	-	208V1PH	4.16	-	30		M2-25.27	3/4"C, 3#12, 1#12 GND	FC-7		
FC-8	FAN COL	-	208V1PH	0.19	-	30		M2-25.27	3/4"C, 3#12, 1#12 GND	FC-8		
FC-9	FAN COL	-	208V1PH	0.19	-	30		M2-25.27	3/4"C, 3#12, 1#12 GND	FC-9		
FC-10	FAN COL	-	208V1PH	0.19	-	30		M2-25.27	3/4"C, 3#12, 1#12 GND	FC-10		
FC-11	FAN COL	-	208V1PH	0.19	-	30		M2-25.27	3/4"C, 3#12, 1#12 GND	FC-11		
FC-12	FAN COL	-	208V1PH	0.19	-	30		M2-17.19	3/4"C, 3#12, 1#12 GND	FC-12		
FC-13	FAN COL	-	208V1PH	0.19	-	30		M2-17.19	3/4"C, 3#12, 1#12 GND	FC-13		
FC-14	FAN COL	-	208V1PH	0.19	-	30		M2-17.19	3/4"C, 3#12, 1#12 GND	FC-14		
FC-15	FAN COL	-	208V1PH	0.19	-	30		M2-17.19	3/4"C, 3#12, 1#12 GND	FC-15		
FC-16A	FAN COL	-	208V1PH	0.63	-	30		M2-21.23	3/4"C, 3#12, 1#12 GND	FC-16A		
FC-16B	FAN COL	-	208V1PH	0.63	-	30		M2-21.23	3/4"C, 3#12, 1#12 GND	FC-16B		
HOOD	HOOD	-	120V1PH	-	-	-		M1-1.3	3/4"C, 2#12, 1#12 GND	HOOD		8
CM-1	CONDENSER MOTOR	-	208V3PH	31	(45)	60	YES	M1-14,16,18	1"C, 4#6, 1#10 GND	CM-1		2
CM-2	CONDENSER MOTOR	-	208V3PH	23	(35)	60	YES	M1-1.3,5	1"C, 4#6, 1#10 GND	CM-2		2
CM-3	CONDENSER MOTOR	-	208V3PH	23	(35)	60	YES	M2-7,9,11	1"C, 4#6, 1#10 GND	CM-3		2
BC-1	BRANCH CIRCUIT CONTROLLER	-	208V1PH	0.65	-	30		M1-19,21	3/4"C, 3#12, 1#12 GND	BC-1		
BC-2	BRANCH CIRCUIT CONTROLLER	-	208V1PH	0.87	-	30		M2-13,15	3/4"C, 3#12, 1#12 GND	BC-2		
BC-3	BRANCH CIRCUIT CONTROLLER	-	208V1PH	0.87	-	30		M2-13,15	3/4"C, 3#12, 1#12 GND	BC-3		
ERV-1	ENERGY RECOVERY VENTILATOR	-	208V3PH	47.2	(50)	60	VFD	M1-26,28,30	1"C, 4#6, 1#10 GND	ERV-1		2
ERV-2	ENERGY RECOVERY VENTILATOR	-	208V3PH	44.6	(45)	60	VFD	M1-20,22,24	1"C, 4#6, 1#10 GND	ERV-2		2
EF-1	EXHAUST FAN	1-1/2HP	208V3PH	-	-	8m	YES	M1-2,4,6	3/4"C, 4#12, 1#12 GND	EF-1		7
EF-2	EXHAUST FAN	1#8 HP	120V1PH	-	-	8m		M1-8	3/4"C, 2#10, 1#10 GND	EF-2		5
MJA	KITCHEN SUPPLY FAN	1/2 HP	120V1PH	-	-	30		M1-5	3/4"C, 2#12, 1#12 GND	MJA		8
DH-1	ELECTRIC DUCT HEATER	15KW	208V3PH	-	-	60		M1-7,9,11	1-1/4"C, 4#4, 1#6 GND	DH-1		8
DH-2	ELECTRIC DUCT HEATER	8KW	208V3PH	-	-	30		M2-38,40,42	3/4"C, 4#10, 1#10 GND	DH-2		
KEF	KITCHEN HOOD EXHAUST FAN	3/4 HP	120V1PH	-	-	30		M1-12	3/4"C, 2#12, 1#12 GND	KEF		8
IH-1	INFARED TUBE HEATER	5A	120V1PH	-	-	8m		M1-23	3/4"C, 2#12, 1#12 GND	IH-1		
IH-2	INFARED TUBE HEATER	5A	120V1PH	-	-	8m		M1-25	3/4"C, 2#12, 1#12 GND	IH-2		
IH-3	INFARED TUBE HEATER	5A	120V1PH	-	-	8m		M1-27	3/4"C, 2#12, 1#12 GND	IH-3		
CF-1	CEILING FAN	1#HP	120V1P	-	-	8m		M1-29	3/4"C, 2#12, 1#12 GND	CF-1		
CF-2	CEILING FAN	1#HP	120V1P	-	-	8m		M1-31	3/4"C, 2#12, 1#12 GND	CF-2		
CF-3	CEILING FAN	1#HP	120V1P	-	-	8m		M2-24	3/4"C, 2#12, 1#12 GND	CF-3		
L-1	LOUVER MOTORIZED DAMPER		120V1PH	-	-	8m		M1-33	3/4"C, 2#12, 1#12 GND	L-1		1
L-2	LOUVER MOTORIZED DAMPER		120V1PH	-	-	8m		M1-15	3/4"C, 2#12, 1#12 GND	L-2		1
RCP	RADIANT CEILING PANEL	750W	208V1PH	-	-			VARIOUS	3/4"C, 2#12, 1#12 GND	RCP	SEE E4.1 FOR CKTG	4
EWH-1	ELECTRIC WALL HEATER	750W	120V1PH	-	-			VARIOUS	3/4"C, 2#12, 1#12 GND	EWH-1	SEE E4.1 FOR CKTG	
EWH-2	ELECTRIC WALL HEATER	1600W	120V1PH	-	-			VARIOUS	3/4"C, 2#12, 1#12 GND	EWH-2	SEE E4.1 FOR CKTG	
CP	CIRCULATION PUMP	83W	120V1PH	-	-	8m		M2-31	3/4"C, 2#12, 1#12 GND	CP		
WH-1	WATER HEATER	15A	120V1PH	-	-	8m		M2-29	3/4"C, 2#12, 1#12 GND	WH-1		
BF-1	BOTTLE FILLER	?	120V1PH	-	-			M2-33	3/4"C, 2#12, 1#12 GND	BF-1		
NF-1	NEDERMAN FAN	7.5HP	208V3PH	-	-	60	VFD	M2-2,4,6	1-1/4"C, 4#4, 1#6 GND	NF-1		6

GENERAL EQUIPMENT CONNECTION SCHEDULE NOTES
(APPLIES TO ALL EQUIPMENT LISTED IN SCHEDULE)

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. THE ACTUAL MANUFACTURER FOR THE EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR ACTUAL LOADS, CIRCUIT AMPACITY AND OVERCURRENT PROTECTION REQUIREMENTS PRIOR TO ELECTRICAL ROUGH-IN.

B. LOCATE ALL DISCONNECTS MEANS PER NEC AND AHJ REQUIREMENTS. STARTERS ARE SEPARATELY MOUNTED UNLESS OTHERWISE NOTED.

C. ABBREVIATIONS:
 HRS: HORSEPOWER RATED MOTOR DISCONNECT SWITCH WITH OVERLOAD PROTECTION, 16-AMP MINIMUM, RED PLOT LIGHT. PROVIDE 1-POLE OR 2-POLE AS REQUIRED.
 Sm: MOTOR RATED TOGGLE SWITCH.
 TS: TOGGLE SWITCH, 16-AMP MINIMUM, RED PLOT LIGHT. PROVIDE 1-POLE OR 2-POLE AS REQUIRED.

D. ALL DISCONNECTS ARE 3 POLE UNLESS NOTED OTHERWISE.

E. PROVIDE A ROOFTOP WEATHERPROOF GFIDUPLX RECEPTACLE WITHIN 25 FEET OF ALL ROOF MOUNTED HVAC UNITS AS REQUIRED BY NEC.

F. CONNECT FIRE SMOKE DAMPERS TO A 120VAC 20 AMP CIRCUIT ROUTED THROUGH A RELAY CONTACT (N.C.) IN THE FIRE ALARM CONTROL PANEL. REFER TO MECHANICAL DRAWINGS FOR ALL FIRE SMOKE DAMPER LOCATIONS AND QUANTITIES. PROVIDE ALL APPURTENANCES AS REQUIRED. PROVIDE DISCONNECT TOGGLE SWITCH WITHIN SIGHT OF THE DAMPER MOTOR CONTROLLER AND DAMPER MOTOR.

SCHEDULE NOTES
(APPLIES TO SPECIFIC EQUIPMENT AS NOTED IN "NOTES" COLUMN)

- CONTROL BY DIVISION 23 CONTRACTOR.
- PROVIDE NBR ENCLOSURE FOR FUSED DISCONNECT SWITCH.
- FURNISH DUCT SMOKE DETECTOR(S) FOR INSTALLATION BY DIVISION 23 CONTRACTOR. HVAC UNITS OVER 2,000 CFM TO HAVE DUCT DETECTOR IN RETURN AIR DUCT. UNITS OVER 15,000 CFM TO HAVE DUCT DETECTORS IN RETURN AND SUPPLY AIR DUCTS. COORDINATE WITH DIVISION 23 FOR QUANTITY REQUIRED. PROVIDE CONNECTION AT THE HVAC UNIT FOR SHUTDOWN ON ALARM. PROVIDE CONNECTION TO THE FIRE ALARM CONTROL PANEL AS REQUIRED. ALL WIRING TO BE IN EMT CONDUIT.
- LINE VOLTAGE THERMOSTAT FURNISHED BY MECHANICAL, INSTALLED BY ELECTRICAL.
- DIVISION 26 SHALL CIRCUIT EXHAUST FAN VIA WALL SWITCH FURNISHED BY DIVISION 23. SEE DETAIL 5, SHEET M3.4 FOR ADDITIONAL INFORMATION.
- NEDERMAN FAN POWERED VIA NEDERMAN CONTROL PANEL. COORDINATE INSTALLATION REQUIREMENTS WITH NEDERMAN VENDOR AND PROVIDE.
- CONTROLLED BY WALL TIMER BY DIV 23. SEE DETAIL 6, SHEET E8.1 FOR ADDITIONAL INFORMATION.
- KITCHEN HOOD, MJA, KEF, AND DUCT HEATER ARE INTERLOCKED. SEE DETAIL 6, SHEET M3.4 FOR ADDITIONAL INFORMATION.



BID SET

No.	Description	Date:
△	ADDENDUM 2	8/10/20

Project Title:

Sheet Title:

MECHANICAL EQUIPMENT
 CONNECTION SCHEDULE
 Scale: NOTED
 Project No.: 16-46
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LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMP	WATTS/FIXT
INTERIOR			
F1	RECESSED 2x2 DIRECT/INDIRECT TROFFER, NOMINALLY 2' x 2' x 4" WITH EXTRUDED ACRYLIC FLATE LENS WITH DIFFUSE CENTER OPTIC 2297 LUMENS, 3000K, 80 CRI, 0-10V DIMMING DRIVER. WHERE SHOWN ON PROJECT DOCUMENTS PROVIDE FLANGE MOUNTING KIT. FINELITE HPR 2X2-SCO LITHONIA ZALL2-33L SERIES PINNACLE LU22S SERIES HE WILLIAMS AT22S SERIES	LED	29
FIX	SIMILAR TO F2 EXCEPT WITH EMERGENCY BACK UP.	LED	29
F2	SURFACE/PENDANT/WALL MOUNTED LED, NOMINALLY 4" LONG BY 2.5" SQUARE WITH WRAP AROUND LENS WITH 0-10V DIMMING BALLAST. NOMINAL LUMENS 4000 LUMENS PER 4'-0", 3000K 80 CRI. SURFACE MOUNT EXCEPT FOR KITCHEN. IN KITCHEN PROVIDE 6" AIRCRAFT CABLE MOUNT HE WILLIAMS LLM58 SQ EDDSO'UT SERIES ARCHITECTURAL LIGHTING WORKS TRILPLANE SERIES VOIGT LIGHTING TMC-320 LED SERIES PHILIPS DAYBRITE LF SERIES PRUDENTIAL S1 LED SERIES METALUX SNLED LENSED SERIES	LED	26
F2X	SIMILAR TO F2 EXCEPT WITH EMERGENCY BACK UP.	LED	26
F3	WALL MOUNTED, NOMINALLY 28" x 3" x 4" VANITY LIGHT, WHITE ACRYLIC DIFFUSER WITH METAL END CAPS IN MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. CENTER BETWEEN CEILING AND MIRROR. CENTER HORIZONTALLY WITH MIRROR. COORDINATE PRIOR TO ROUGH-IN. 3000K, 80 CRI. 82 LUMENS PER WATT OXYGEN APOLLO 3-5104-14 AFX ALV49053600L30SND2 SERIES TERON CPR24 SERIES EVERGREEN LIGHTING WL0LED SERIES	LED	12
F4	RECESSED SHOWER LIGHT WITH 6" APERTURE. DEAD FRONT REGRESSED LENS AND WHITE TRIM RING. 2000 LUMENS, 3500K 80CRI. GOTHAM EVO30-15-6-DEADMF SERIES HE WILLIAMS LEDPSL60 PATHWAY 6VLEDFRPWL LIGHTOLIER QMLED SERIES HALO HCB-HM-61PS SERIES	LED	10
F4X	SIMILAR TO F4 EXCEPT WITH EMERGENCY BACK UP.		
F5	PENDANT MOUNTED LINEAR DIRECT/INDIRECT LED, NOMINALLY 4" HIGH BY 2" WIDE. 804 LUMENS PER FOOT UP AND DOWN, 3000K, 80 CRI. LENGTHS AS SHOWN ON PROJECT DOCUMENTS. FINELITE HP2-ID-H-835 OBD SERIES GAMMALUX GB242-LED SERIES MARK S2LID SERIES PINNACLE EX3BWA SERIES	LED PER 4'	42
F6	CHAIN MOUNTED LENSED LINEAR LED 8'-0" LOW BAY WITH INTEGRAL DAYLIGHT SENSING. SUITABLE FOR CHAIN MOUNTING 4000 MINIMUM LUMENS PER 4'. 3000K, 80 CRI. LENGTHS AS SHOWN ON PROJECT DOCUMENTS. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. GE ALBEO ALC5 PHILIPS LBX-40L840--SERIES LITHONIA CLX SERIES ILP FZ SERIES	LED PER 8'	76
F6X	SIMILAR TO F7 EXCEPT WITH EMERGENCY BATTERY BACK UP.	LED	76
F7	WALL MOUNTED LINEAR BED LIGHT, NOMINALLY 7" DEEP BY 6" WIDE BY 3'-0" LONG WITH INDIRECT AND DIRECT OPTICS. DIMMING DRIVER. DUST COVER. 3000K, 80 CRI. 82 LUMENS PER WATT PRUDENTIAL P46-LED35-03-SAL-SO-FINISH-DIRIASY-R-SC-DM10-WS GAMMALUX GB242-LED SERIES MARK S2LWID SERIES PINNACLE EX3BWA SERIES	LED	13
F8	RECESS MOUNTED WOOD SLAT MOUNTED LINEAR LED, NOMINALLY 2" WIDE WITH LENGTHS AS SHOWN ON PROJECT DOCUMENTS. COORDINATE MOUNTING HARDWARE WITH CEILING CONTRACTOR PRIOR TO ROUGH IN. LENS TO BE 120 DEGRESS DISTRIBUTION WITH STANDARD OUTPUT, 124 LUMENS PER FOOT, 3500K 80 CRI WITH 0-10V REMOTE DIMMING DRIVERS. SENSO ILLUMINII VESTA 2 FOCAL POINT SEEM 2 A LIGHT ACLSS	LED PER 4'	28
F8X	SIMILAR TO F8 EXCEPT WITH BATTERY BACK UP.	LED	28
F8AX	SIMILAR TO F8 EXCEPT 3' IN LENGTH.		
F9	PENDANT MOUNTED MONO POINT DECORATIVE LED WITH CANOPY MOUNTED 0-10V DIMMING DRIVER. CORD, DECORATIVE SHADE AND FINISHES AS SELECTED BY ARCHITECT. 3000K, 80CRI. CONTEC CRS8-DORCD2 TEGAN TG-MKP SERIES LITON SEVILLE SERIES	LED	8
F10	UNDER CABINET LIGHT, SOLID FRONT, NOMINALLY 2' x 2' x 1" DEEP, EXTRUDED ALUMINUM BODY WITH ONE HIGH EFFICIENCY LED EVERY 2 INCHES. WITH INTEGRAL DIMMING POWER SUPPLY. COORDINATE WITH UNDERCABINET SUPPORTS PRIOR TO ROUGH-IN. 3000K, 80 CRI. HE WILLIAMS 1SF SERIES KENELL MAUCLED SERIES AIREY THOMPSON 13A SERIES FAIL SAFE UCL SERIES	LED PER 4'	6
F10A	SURFACE MOUNTED LOW VOLTAGE PUCK LIGHT. 300 LUMEN, 3500K, 80 CRI WITH REMOTE 60W DRIVER. COORDINATE PUCK LIGHT MOUNTING AND REMOTE DRIVER MOUNTING PRIOR TO ROUGH IN. NORA LIGHTING NMP LED WITH 60W REMOTE DRIVER LUCIFER LIGHTING LPK SERIES WITH REMOTE 60W DRIVER CSL RASCAL WITH REMOTE 60W DRIVER	LED	60
F11	NOT USED.		
F12	PENDANT MOUNTED LINEAR LED, 1.38" WIDE WITH LENGTHS AS SHOWN ON PROJECT DOCUMENTS. COORDINATE MOUNTING HARDWARE WITH CEILING CONTRACTOR PRIOR TO ROUGH IN. LENS TO BE 120 DEGRESS DISTRIBUTION WITH STANDARD OUTPUT, 792 LUMENS PER FOOT, 3500K 80 CRI WITH 0-10V REMOTE DIMMING DRIVERS. VODE ZIP1TWO 707 SERIES GOLDENEYE AIRELIGHT NOVA 2 SERIES TGS TSPEC SERIES	LED PER 4'	16
F13	RECESSED STEP LIGHT, FACEPLATE NOMINALLY 4.5" SQUARE DRY WALL MOUNTING FC LIGHTING FCSL540 SERIES CW COLE LIGHTING L121 SERIES TIVOLI VENTRINELLA	LED	5
F14	PENDANT MOUNTED LINEAR DIRECT/INDIRECT LED, NOMINALLY 4" HIGH BY 2" WIDE. 4221 LUMENS PER 4' FOOT WITH UP AND DOWN, 3500K, 80 CRI. INTEGRAL DAYLIGHT SENSOR FINELITE HP2-ID-H-835 OBD SERIES GAMMALUX GB242-LED SERIES ARCHITECTURAL LIGHT WORKS HBEAM 3.5 PINNACLE EX3BWA SERIES	LED	42
X1	EDGE LITE EXIT SIGN, UNIVERSAL MOUNTING, GREEN LED WITH INTEGRAL BATTERY BACK UP. LITHONIA LRP EL N SERIES CHLORIDE CN SERIES EXTRONIX V902-U-WB-GC-BA E3 ISOLITE SERIES DUALITE LES SERIES SURELITE ES SERIES MULE LIGHTING CEL SERIES	LED	5

LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMP	WATTS/FIXT
EXTERIOR			
FE1	POLE MOUNTED LED LUMINAIRE WITH TYPE IV DISTRIBUTION RECTANGULAR HOUSING WITH POLE ARM MOUNTING, 3000K, 80CRI, 4128 LUMENS. 20' SQUARE STEEL POLE ON 3' PREMANUFACTURED POLE BASE LUMINAIRE ARM AND POLE TO BE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. MCGRAW EDISON GLEON AF 1 LITHONIA DSX0-LED-P1-30K-T4M SERIES WITH RSS20 POLE GE LIGHTING EVOLVE SERIES BEACON SPAULDING VPS LUMINAIRE WITH SPAULDING POLE GARDCO GULLWING SERIES	LED	65
FE2	POLE MOUNTED LED LUMINAIRE WITH TYPE II DISTRIBUTION RECTANGULAR HOUSING WITH POLE ARM MOUNTING, 3000K, 80CRI, 4128 LUMENS. 20' SQUARE STEEL POLE ON 3' PREMANUFACTURED POLE BASE LUMINAIRE ARM AND POLE TO BE MANUFACTURERS STANDARD FINISH AS SELECTED BY ARCHITECT. MCGRAW EDISON GLEON SERIES LITHONIA DSX0-P2-40K-T2M SERIES WITH RSS20 POLE GE LIGHTING EVOLVE SERIES BEACON SPAULDING VPS LUMINAIRE WITH SPAULDING POLE GARDCO GULLWING SERIES	LED	65
FE3	WALL MOUNTED LED CYLINDER, NOMINALLY 12" HIGH BY 6" DIAMETER, EXTRUDED ALUMINUM HOUSING. SEE ARCHITECTURAL PLANS FOR MOUNTING LOCATION. MINIMUM OF 1150 LUMENS, 4000K, 80 CRI. DOWNLIGHT ONLY. SISTEMALUX MINISLOT SERIES LIGMAN JET ROUND SERIES FC LIGHTING FC0812W SERIES GOTHAM ICO CLY-40/15 SERIES	LED	14
FE3X	SIMILAR TO FE3 WITH REMOTELY MOUNTED EMERGENCY MINI INVERTER WITH 90 MINUTE BATTERY BACK UP.	LED	14
FE4X	RECESSED LED DOWNLIGHT 6" CLEAR SPECULAR APERTURE, 2000 LUMENS MEDIUM DISTRIBUTION, 3000K, REGRESSED WITH LENS AND EMERGENCY BACK UP. GOTHAM EVO 6DFR CONTECH R6NC SERIES	LED	23
FE5	WALL MOUNTED LED WITH TYPE IV DISTRIBUTION, NOMINALLY 6' x 12' x 15", 3000K, 80 CRI. MOTION SENSOR DIMMING CONTROL. WHEN NO MOTION IS SENSED THE FIXTURE WILL REDUCE TO 50 PERCENT LUMEN OUTPUT. MCGRAW EDISON GWC AF 01 T4W SERIES GE LIGHTING EWS3 SERIES BEACON TRAVERSE TRV-D/24N855-4K-T4 SERIES VISIONAIRE LIGHTING VSC-1 SERIES LITHONIA DSXW1-LED-20C-530-40K SERIES	LED	39
FE6	NOT USED		
FE7	RECESSED LINEAR LED, 375 LUMENS PER FOOT. 4000K, 80 CRI WITH FLUSH DOWNLIGHT DIFFUSER, DRYWALL FLANGE MOUNTING AND LENGTHS SHOWN ON PROJECT DOCUMENTS. WET LOCATION LISTED. SENSO ILLUMINII VESTA 2 FOCAL POINT SEEM 2 A LIGHT ACLSS	LED PER 4'	19
FE8	SURFACE WALL MOUNTED LINEAR LED, WITH EXTRUDED ALUMINUM HOUSING. NOMINALLY 900 LUMENS PER FOOT WITH 0-10V DIMMING DRIVER. COORDINATION MOUNTING LOCATION WITH ARCHITECTURAL PLANS. UL WET LOCATION LISTED. KURTZON WLFPA SERIES PARMOUNT INDUSTRIES C214 SERIES LDC RW3-LED SERIES BARTCO BSW215 SERIES	LED PER 4'	29
FE8X	SIMILAR TO FE8 EXCEPT WITH EMERGENCY BACK UP.	LED PER 4'	29
FE8A	SIMILAR TO FE8 EXCEPT 2' IN LENGTH.	LED PER 2'	15
FE8AX	SIMILAR TO FE8A EXCEPT WITH EMERGENCY BACK UP.	LED PER 2'	15



BID SET

No.	Description	Date:
△	ADDENDUM 2	8/10/20

Project Title:

FIRE STATION 24
City of Kirkland
Kirkland, Washington

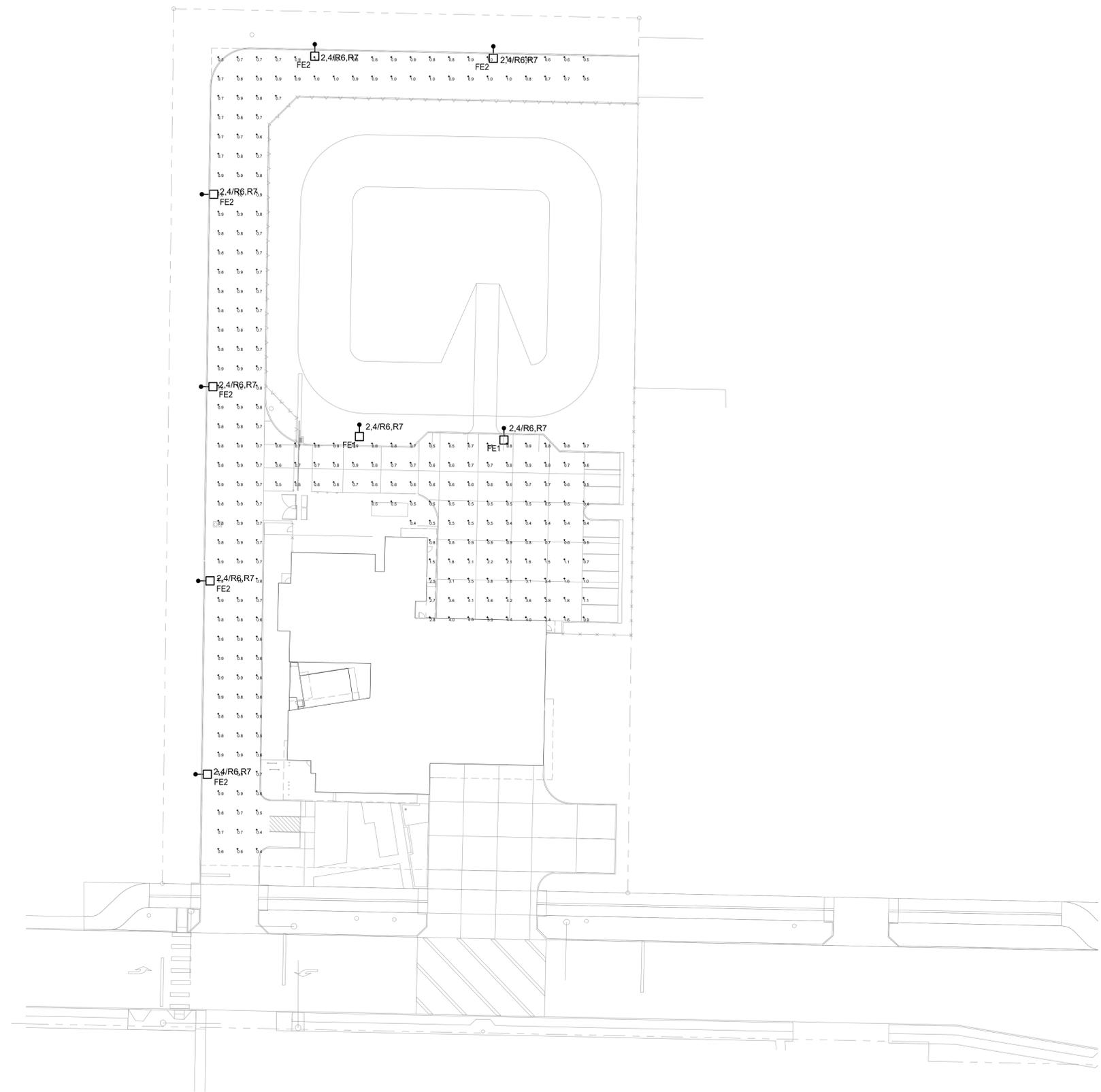
Sheet Title:

LIGHTING FIXTURE
SCHEDULE

Scale: NOTED
Project No.: 16-46
Date: July 21, 2020

Sheet Number:

E0.4



SITE LIGHTING CALCULATION PLAN
SCALE: 1" = 30'0"

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AND DRIVE	Illuminance	Fc	1.00	5.3	0.4	2.50	13.25

BID SET

No.	Description	Date:
△	ADDENDUM 2	8/10/20

Project Title:

FIRE STATION 24

City of Kirkland
Kirkland, Washington

Sheet Title:

SITE LIGHTING
CALCULATION PLAN

Scale: NOTED

Project No.: 16-46

Date: July 21, 2020

Sheet Number:

