A AC			
AC	AMPERE	MLO	MAIN LUG ONLY
	ALTERNATING CURRENT	MT	MOUNT
AFF	ABOVE FINISHED FLOOR	MTS	MANUAL TRANSFER SWITCH
AFG	ABOVE FINISHED GRADE	MCP	MOTOR CONTROL PANEL
AHU	AIR HANDLING UNIT	MH	METAL HALIDE
AIC	AMPERES INTERRUPTING CAPACITY	MDP	MAIN DISTRIBUTION PANEL
ATS	AUTOMATIC TRANSFER SWITCH	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	Ν	NEUTRAL
BAS	BUILDING AUTOMATION SYSTEM	NC	NORMALLY CLOSED
BKBD	BACKBOARD	NEC	NATIONAL ELECTRICAL CODE
С	CONDUIT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS
CAT	CATALOG, CATEGORY		
CATV	CABLE TV	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
СВ	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCTV	CLOSED CIRCUIT TELEVISION	NF	NON-FUSED
СМ	CIRCULAR MILS	NO	NORMALLY OPEN
COMM	COMMUNICATIONS	NO., #	NUMBER
CU	MECH CONDENSING UNIT	NTS	NOT TO SCALE
CU	COPPER	OC	ON CENTER
CUH	CABINET UNIT HEATER	OCC	OCCUPANCY
DC	DIRECT CURRENT	ОН	OVERHEAD
DDC	DIGITAL DIRECT CONTROL	Р	POLE
DN	DOWN	PA	PUBLIC ADDRESS
DW	DISHWASHER	PB	PULLBOX
DWG	DRAWING	PH,	PHASE
EF	EXHAUST FAN	PIR	PASSIVE INFRARED
ELEV	ELEVATOR	PNL	PANELBOARD
EMT	ELECTRICAL METALLIC TUBING	P/O	PART OF
EP	EXPLOSION PROOF	PV	PHOTOVOLTAIC
ERU	ENERGY RECOVERY UNIT	PVC	POLY-VINYL CHLORIDE
EWC	ELECTRIC WATER COOLER	REC	RECEPTACLE
FACP	FIRE ALARM CONTROL PANEL	RECEPT	
FB	FLOOR BOX	REF	REFRIGERATOR
FLA	FULL LOAD AMPS	RF RGS	RETURN FAN RIGID GALVANIZED STEEL
FWE	FURNISHED WITH EQUIPMENT	RM	ROOM
G, GND	GROUND	RMC	RIGID METAL CONDUIT
GFCI	GROUND FAULT CIRCUIT	RTU	ROOFTOP UNIT
GFP	GROUND FAULT PROTECTION	REF	REFRIGERATOR
HID	HIGH INTENSITY DISCHARGE	SF	SUPPLY FAN
HOA	HAND-OFF-AUTO SELECTOR	ST	SHUNT TRIP
	SWITCH	SPDT	SINGLE POLE, DOUBLE
HP	HORSEPOWER	0.21	THROW
HVAC	HEATING, VENTILATION AND COOLING UNIT	SQ	SQUARE
IDS	INTRUSION DETECTION SYSTEM	TEL	TELEPHONE
IG	ISOLATED GROUND	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
IMC	INTERMEDIATE METAL CONDUIT	TYP	TYPICAL
IR	INFRARED	UF	UNDER FLOOR
K	KILO	UG	UNDERGROUND
KCMIL	KILO CIRCULAR MILS	UH	UNIT HEATER
KW	KILOWATT	UL	UNDERWRITER'S
KVA	KILO VOLT-AMPS	~_	LABORATORY
LAN	LOCAL AREA NETWORK	UNO	UNLESS NOTED OTHERWISE
LC	LIGHTING CONTACTOR	UPS	UNINTERRUPTIBLE POWER SUPPLY
LC	LINEAR FEET	V	VOLTS
LC	LOADCENTER	v VFD	VARIABLE FREQUENCY DRIVE
LCP	LIGHTING CONTROL PANEL	W VFD	WATT
LED	LIGHT EMITTING DIODE	WP	WEATHERPROOF
LTG	LIGHTING	WG	WIREGUARD
LTS	LIGHTS	XFMR	TRANSFORMER
MAX	MAXIMUM		
	MAXIMUM MAIN CIRCUIT BREAKER		
MCB	MECHANICAL	(E)	EXISTING ITEM TO REMAIN
MCB MECH		(R)	REMOVE ITEM AND DISPOSE
MECH	MOUNTING HEIGHT		OF PROPERIY
MECH MH			OF PROPERLY
MECH MH MC	MICROPHONE	(ER)	OF PROPERLY RELOCATED ITEM AT NEW LOCATION
MECH MH		(ER) (RL)	RELOCATED ITEM AT NEW

2

3

▼ TELEPHONE WALL OUTLET, 44" AFF UNO ▼ TELEPHONE OUTLET FOR ELEVATOR CONNECTION ▼ TELEPHONE OUTLET, 18" AFF UNO $oldsymbol{ abla}$ TEL/DATA OUTLET, 18" AFF UNO ✓ DATA OUTLET, 18" AFF UNO (WA) WIRELESS ACCESS POINT CEILING MOUNTED (WA)— WIRELESS ACCESS POINT WALL MOUNTED TECHNOLOGY GENERAL NOTES DIVISION 26 SHALL PROVIDE BOXES AND CONDUITS WITH STRINGS AS INDICATED. CABLING AND TERMINATIONS S BE BY OWNER. 2. FOR EACH TECHNOLOGY OUTLET, PROVIDE A 2-GANG BO WITH 1-GANG ADAPTER. PROVIDE A 1" CONDUIT FROM E OUTLET BOX TO 6" ABOVE THE NEAREST ACCESSIBLE CE THAT IS CONTIGUOUS TO A J-HOOK OR CABLE TRAY PAT TECHNOLOGY F3 FACP FIRE ALARM CONTROL PANEL, MOUNT WITH TOP C MORE THAN 72"AFF FAA FIRE ALARM ANNUNCIATOR, MOUNT WITH TOP OF THAN 72"AFF, WIRED TO FACP SMOKE DETECTOR, WIRED TO FACP S E SMOKE DETECTOR, "E" INDICATES CONNECTION RECALL, WIRED TO FACP SINGLE STATION SMOKE DETECTOR WITH AUDIBLE APPLIANCE, WALL MOUNTED SS SINGLE STATION SMOKE DETECTOR WITH AUDIBL INDICATING APPLIANCE, CEILING MOUNTED SINGLE/MULTI-STATION SMOKE/CARBON MONOXIE WITH AUDIBLE/VISIBLE INDICATING APPLIANCE, CE SINGLE/MULTI-STATION SMOKE/CARBON MONOXIE WITH AUDIBLE INDICATING APPLIANCE, WALL MOU HEAT DETECTOR, WIRED TO FACP HEAT DETECTOR, "E" INDICATES CONNECTION FOR RECALL, WIRED TO FACP DUCT SMOKE DETECTOR, WIRED TO FACP G GAS DETECTOR, WIRED TO FACP G GAS VALVE, WIRED TO FACP FLAME DETECTOR, WIRED TO FACP RTS RTS REMOTE TEST/INDICATOR FOR DUCT SMOKES, MO BENEATH UNIT, OR WALL MOUNT WHERE INDICAT F- MANUAL PULL STATION, MOUNT 48" AFF HORN/STROBE, WALL MOUNTED CANDELA AS NO WIRED TO FACP HORN/STROBE, CEILING MOUNTED, CANDELA AS N WIRED TO FACP F— STROBE ONLY INDICATING APPLIANCE, WALL MOU AS NOTED ON PLANS, WIRED TO FACP STROBE ONLY INDICATING APPLIANCE, CEILING N CANDELA AS NOTED ON PLANS, WIRED TO FACP R E STROBE ONLY INDICATING APPLIANCE, CEILING N CANDELA AS NOTED ON PLANS, 120V, CONNECT ACTIVATION OF ROOM SMOKE DETECTOR R 🗗 STROBE ONLY INDICATING APPLIANCE, WALL MOU AS NOTED ON PLANS, 120V, CONNECT TO OPERAT ACTIVATION OF ROOM SMOKE DETECTOR MINI HORN, WALL MOUNTED, WIRED TO FACP MINI HORN, CEILING MOUNTED, WIRED TO FACP DF-F- HORN/STROBE WITH PULL STATION DIRECTLY BEL MAGNETIC DOOR HOLD OPEN DEVICE, WIRED TO F Т TRANSFORMER SPRINKLER SYSTEM WATER FLOW SWITCH, PROVI UNDER DIVISION 23, WIRED TO FACP UNDER DIVISI SPRINKLER SYSTEM TAMPER SWITCH, PROVIDED UNDER DIVISION 23, WIRED TO FACP UNDER DIVIS SPRINKLER SYSTEM CHECK VALVE PRESSURE SW AND INSTALLED UNDER DIVISION 23, WIRED TO FA DIVISION 26 SPRINKLER SYSTEM PRE-ACTION VALVE, FURNISH INSTALLED UNDER DIVISION 21, WIRED TO FACP U **DIVISION 26** 底— KNOX BOX, MOUNT 60" AFF SD SMOKE DAMPER, WIRED TO FACP FSD FIRE AND SMOKE DAMPER, WIRED TO FACP HORN/STROBE, CANDELA AS NOTED ON PLANS, W DE SPEAKER/STROBE, WALL MOUNTED, CANDELA AS WIRED TO FACP SPEAKER/STROBE, CEILING MOUNTED, CANDELA A PLANS, WIRED TO FACP

FIRE ALARM A3 ADDREVIATIONS

M– MASTER BOX

4	<u>L</u>	5 6	L	7
		CUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL RCUITS INDICATED.		
ION		, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT,		NOTE
	WIRING, DEV AS REQUIRE	ICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND D TO FACILITATE WORK OF DIVISION 26 AND OTHER DIVISIONS. CTRICAL ITEMS ARE REMOVED, REMOVE CONDUIT AND WIRING	THI A	BOLS AND ABBREVIATIONS SHOV IS SHEET ARE FOR REFERENCE C ND DO NOT NECESSARILY INDICA
	3. DO NOT SCA EXACT DIME	LE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR		EIR INCORPORATION INTO THE DE
	4. THE LOCATIO	ON OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS,		
	SUBJECT TO AT THE TIME	ATE. IT SHALL BE UNDERSTOOD THAT THESE LOCATIONS ARE MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE OF INSTALLATION IN ORDER TO MEET PROJECT NTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA		
ITH PULL	5. ALL ELECTR DAMAGE DUI	CAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM RING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED		
S SHALL		H MATERIALS HAVE BEEN APPLIED. E ALL WORK WITH OTHER DIVISIONS. VERIFY EXACT POWER		
BOX / EACH CEILING ATHWAY.	WIRING FOR	NTS OF MECHANICAL EQUIPMENT WITH DIVISION 23. POWER EQUIPMENT & CONTROL IS TO BE PERFORMED BY DIVISION 26. IRING BY DIVISION 23.		
	F5	GENERAL NOTES		
OP OF PANEL NOT		SINGLE RECEPTACLES		
OF PANEL NOT MORE	φ	20A, 125V, 2P, 3W, NEMA 5-20R		
		20A, 125V, 2P, 3W, NEMA L5-20R (TWISTLOCK)		
N FOR ELEVATOR	3	30A DRYER RECEPTACLE ~ 125/250V, 3P, 4W, GROUNDING, NEMA 14-30R, (3)#10+(1)#10G TO 30A, 2P CIRCUIT BREAKER		
IBLE INDICATING		30A, 250V, 2P, 3W, NEMA 6-30R		
IBLE/VISUAL	5	50A RANGE RECEPTACLE ~ 125/250V, 3P, 4W, GROUNDING, NEMA 14-50R, (3)#6+(1)#10 TO 50A, 2P CIRCUIT BREAKER		
XIDE DETECTOR		20A, 250V, 2P, 3W, NEMA 6-20R		
, CEILING MOUNTED		<u>NOTE</u> : PROVIDE MATCHING CORD AND PLUG FOR SINGLE	_	PANELBOARD ~ SURFACE MOUNTED
DXIDE DETECTOR NOUNTED		RECEPTACLES	-	PANELBOARD ~ FLUSH MOUNTED
FOR ELEVATOR		FLOOR AND CEILING DEVICES		FUSED DISCONNECT SWITCH
FOR ELEVATOR	FΦ	DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5-20R, MOUNT IN FLUSH FLOOR BOX	⊡⊤ 00 ⊠	NON-FUSED DISCONNECT SWITCH MOTOR STARTER ~ NUMBER INDICATES NE
	F 🖶	DOUBLE DUPLEX RECEPTACLE, 20A, 125V, 2P, 3W, NEMA 5- 20R, MOUNT IN FLUSH FLOOR BOX	00 🖂	COMBINATION MOTOR STARTER/FUSED DIS
	Р Ф	DUPLEX RECEPTACLE, PEDESTAL MOUNTED	\sim	MOTOR OR FAN
	РФ	SINGLE RECEPTACLE, PEDESTAL MOUNTED	M	METER AND CABINET
MOUNT ON CEILING ATED ON PLANS	С Ф	DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING	J	JUNCTION BOX ~ CEILING MOUNTED
	C ⊕ C	DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN CEILING DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING	<u> </u>	JUNCTION BOX ~ WALL MOUNTED
NOTED ON PLANS,	c 🖷	DOUBLE DUPLEX GFCI RECEPTACLE, FLUSH MOUNTED IN CEILING	F J P J	JUNCTION BOX ~ FLUSH FLOOR MOUNTED
AS NOTED ON PLANS,	•	OVERHEAD RECEPTACLE DROP, DUPLEX	Г []	TRANSFORMER ~ NUMBER INDICATES DES
IOUNTED, CANDELA	•	OVERHEAD RECEPTACLE DROP, DOUBLE DUPLEX		SEE TRANSFORMER SCHEDULE
G MOUNTED,		OVERHEAD RECEPTACLE DROP, GFCI	VFD TVSS	VARIABLE FREQUENCY DRIVE TRANSIENT VOLTAGE SURGE SUPPRESSO
P	PT-1 ()	4" POKE-THRU DEVICE, DUAL SERVICE FURNITURE FEED. BASIS OF DESIGN: WIREMOLD AFFATC		EMERGENCY SHUTOFF SWITCH ~ WALL MC
G MOUNTED, T TO OPERATE UPON	РТ-2 🔿	6" POKE-THRU DEVICE, WITH (2) DUPLEX RECEPTACLES AND TEL/DATA AS INDICATED ON PLANS. BASIS OF DESIGN: LEGRAND 6AT SERIES.	€ 5-	TO CENTERLINE ~ PROVIDE TAMPER-PROC SHUT-OFF SWITCH
IOUNTED, CANDELA RATE UPON	Φ	MULTI-SERVICE FLUSH FLOOR BOX ~ WIREMOLD EFB45 SERIES OR APPROVED EQUAL. COVER SHALL BE FLUSH STYLE WITH	•	CONDUIT TURNING UP
		FLOOR INSERT. COVER FINISH COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD FINISHES.	o	CONDUIT TURNING DOWN
P				WIRING UNDERGROUND OR UNDERSLAB
BELOW	*	RECEPTACLES		HOMERUN ~ (2)#12+(1)#12G UNO (EXCEPT L CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
IO FACP	₽ ₽	DUPLEX RECEPTACLE ~ 20A, 125V, 2P, 3W, NEMA 5-20R DOUBLE DUPLEX RECEPTACLE		SINGLE-PHASE HOMERUN OR MULTIPLE HOUTILIZING THE SAME CONDUIT
OVIDED	₩ ¢	DUPLEX RECEPTACLE, HATCH INDICATES AFCI PROTECTION		3-PHASE HOMERUN OR MULTIPLE HOMERU UTILIZING THE SAME CONDUIT
VISION 26 ED	тф	AND TAMPERPROOF TAMPERPROOF DUPLEX RECEPTACLE	\sim	FLEXIBLE CONNECTION
VISION 26	ф	GFCI DUPLEX RECEPTACLE, MOUNT 44" AFF UNO	u 	GROUNDING SYSTEM
SWITCH, FURNISHED FACP UNDER	#	GFCI DOUBLE DUPLEX RECEPTACLE, MOUNT 44" AFF UNO	Р	POWER POLE
IISHED AND	ЕМС ∰	GFCI RECEPTACLE FOR ELECTRIC WATER COOLER - COORDINATE LOCATION WITH DIVISION 22.	٠	PUSHBUTTON
PUNDER	wрЩ	GFCI RECEPTACLE WITH WEATHERPROOF COVER		
	WP	GFCI RECEPTACLE IN WP ENCLOSURE ON ROOF	\\ \	SYSTEMS FURNITURE WHIP, DUAL SERVICE MOUNTED
	ф <u></u> ф	MULTI-OUTLET STRIP, PROVIDE OUTLETS 24" OC UNO, MOUNT 48" AFF UNO	Q-D-	MOTORIZED DOOR OPERATOR AND PUSH F FURNISHED BY DIV 08, WIRED BY DIV 26
5, WIRED TO FACP AS NOTED ON PLANS,		SURFACE RACEWAY WITH DIVIDER, MOUNT 44" AFF UNO. PROVIDE NEMA 5-20 RECEPTACLES AND TECHNOLOGY OUTLETS AS SHOWN ON PLAN	CB ATS	ENCLOSED CIRCUIT BREAKER
LA AS NOTED ON	NOTE	<u>S</u> :		HAND DRYER, COORDINATE HEIGHT WITH
		IT RECEPTACLES WITH CENTERLINE 18" AFF UNO		ARCHITECTURAL PLANS
	<u> </u>		SF –	
	A5	RECEPTACLES	A7	POWER DISTRIBUTION
				<u> </u>

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NS SHOWN ON RENCE ONLY Y INDICATE THE DESIGN				160 Veranda Street Portland, Maine 04103	T: 207.221.2260 F: 207.221.2266 Web: www.allied-eng.com
				Allied Engineering	echai
TED				No Participation No	OF MA IERINE A. JCHER 7575 VAL ENGINE
D CH ICATES NEMA SIZE /FUSED DISCONNECT				N Z O	DESCRIPTION
TED D MOUNTED JNTED SATES DESIGNATION	<u>ROOF</u>			 R E <	DATE BY
IPPRESSOR ~ WALL MOUNTED 48" PER-PROOF COVER	ATTIC THIRD FLOOR SECOND FLOO			Date: DECEMBER 22, 2017 Drawn By: GMC Checked By: SRM Protect Mor: ASD	
DERSLAB (EXCEPT LIGHTING G UNO) JLTIPLE HOMERUN E HOMERUN	FIRST FLOOR	(4)#4/0+(1)#4G		ABBREVIATIONS, R DIAGRAM	- NG, INC.
AL SERVICE, WALL	<u>GROUND FLOO</u>	• (4)#4/0+(1)#4G	EXISTING MDP	LEGENDS, AND RISE	CONDITIONING AND HEATING UPGRADES CUMBERLAND COUNTY COURTHOUSE 142 FEDERAL STREET, PORTLAND, MAINE
ND PUSH PADDLE ~ ′ DIV 26 GHT WITH	AND 225	E GE TQ2 DPK CONNECTOR KI 5A, 3-POLE GE TYPE THQD ⁻ BREAKER IN AVAILABLE SPAC		ELECTRICAL NOTES,	AIR CONDITIONING CUMBERLAND C 142 FEDERAL S
ON	A9	POWER RISER DIA	AGRAM	F.(000
8	NO SCALE	9	1 10		
U		J	10		•