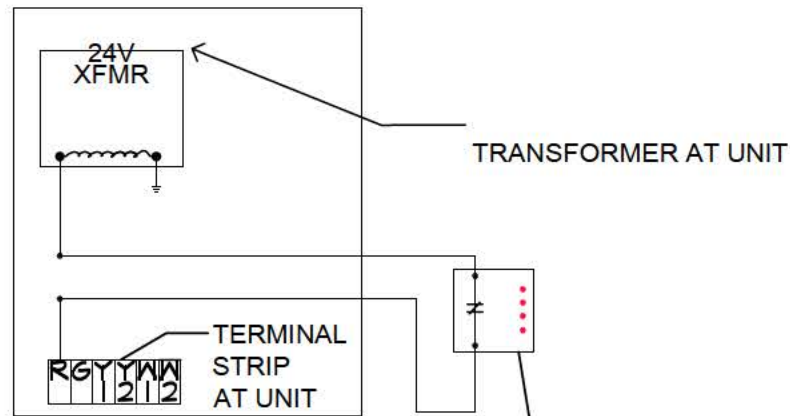


MECHANICAL EQUIPMENT ELECTRICAL CONNECTION SCHEDULE													
DESCRIPTION	VOLTAGE AND PHASE	MCA	HP/ WATT	DIRECT CONNECTION	CONNECTION	PANEL	CIRCUIT NO.	CIRCUIT BREAKER SIZE	DISC. SWITCH	GFI RECEPTACLE	CIRCUIT NO.	SMOKE DETECTOR	NOTES
					CONDUIT AND WIRE SIZE								
RTU-1	208V-3Ø	29.0	-	●	3#8, 1#10 (G) , 1".C.	MP	2,4,6	40A/3P	60A-NF-3R	YES	PLP-12	YES	1,2,3,5,6,8
RTU-2	208V-3Ø	41.0	-	●	3#8, 1#10 (G) , 1".C.	MP	8,10,12	50A/3P	60A-NF-3R	YES	PLP-12	YES	1,2,3,5,6,8
RTU-3	208V-3Ø	29.0	-	●	3#8, 1#10 (G) , 1".C.	MP	14,16,18	40A/3P	60A-NF-3R	YES	PLP-12	YES	1,2,3,5,6,8
1. THE E.C. SHALL VERIFY ALL EQUIPMENT SPECIFICATIONS (VOLTAGE, OVERCURRENT PROTECTION, FUSE SIZES, ETC.) WITH M.C. PRIOR TO DISTRIBUTION OF EQUIPMENT AND ROUGH-IN. THE E.C. SHALL ALSO BE RESPONSIBLE FOR PROVIDING ALL CONNECTIONS, DEVICES, SAFETY SWITCHES, ETC. LISTED ON THIS SCHEDULE UNLESS NOTED ON THIS SCHEDULE AS BEING PROVIDED BY OTHERS.													
2. EC SHALL PROVIDE INTEGRAL STARTER AND/OR DISCONNECT SWITCH. E.C. SHALL BRANCH TO FINAL CONNECTION VIA LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT.													
3. ROUTE CONDUIT THRU EQUIPMENT CURB OR PROVIDE SEPARATE ROOT CONDUIT BOOT. COORDINATE WITH M.C.													
4. CONNECT TO LOCAL LIGHTING CIRCUIT FOR FAN SERVICE.													
5. GFI/ RECEPTACLE IS PROVIDED WITH RTU UNIT.													
6. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR SHAFTS SHALL BE SEALED IN ACCORDANCE WITH WALL TYPE AS SHOWN ON SHEET A1.0.													
7. PROVIDE 120V TOGGLE SWITCH FOR DISCONNECTING MEANS.													
8. PROVIDE SMOKE DETECTOR CONTROL CIRCUIT AND WIRING CONTROL. SEE DETAIL.													
* NOT ALL NOTES MAY APPLY													

GENERAL NOTES

1. COORDINATE ALL RECEPTACLE LOCATIONS & HEIGHTS WITH EQUIPMENT MANUFACTURER CUTSHEETS PRIOR TO ROUGH-IN.
2. COORDINATE ALL NON-EQUIPMENT RELATED RECEPTACLE LOCATIONS AND HEIGHTS WITH ARCHITECTURAL DRAWINGS.

CONTROL SECTION IN HVAC UNIT BY OTHERS



MECHANICAL CONTRACTOR SHALL COORDINATE FACTORY INSTALLED DUCT DETECTOR LOCATION WITH ELECTRICAL CONTRACTOR.

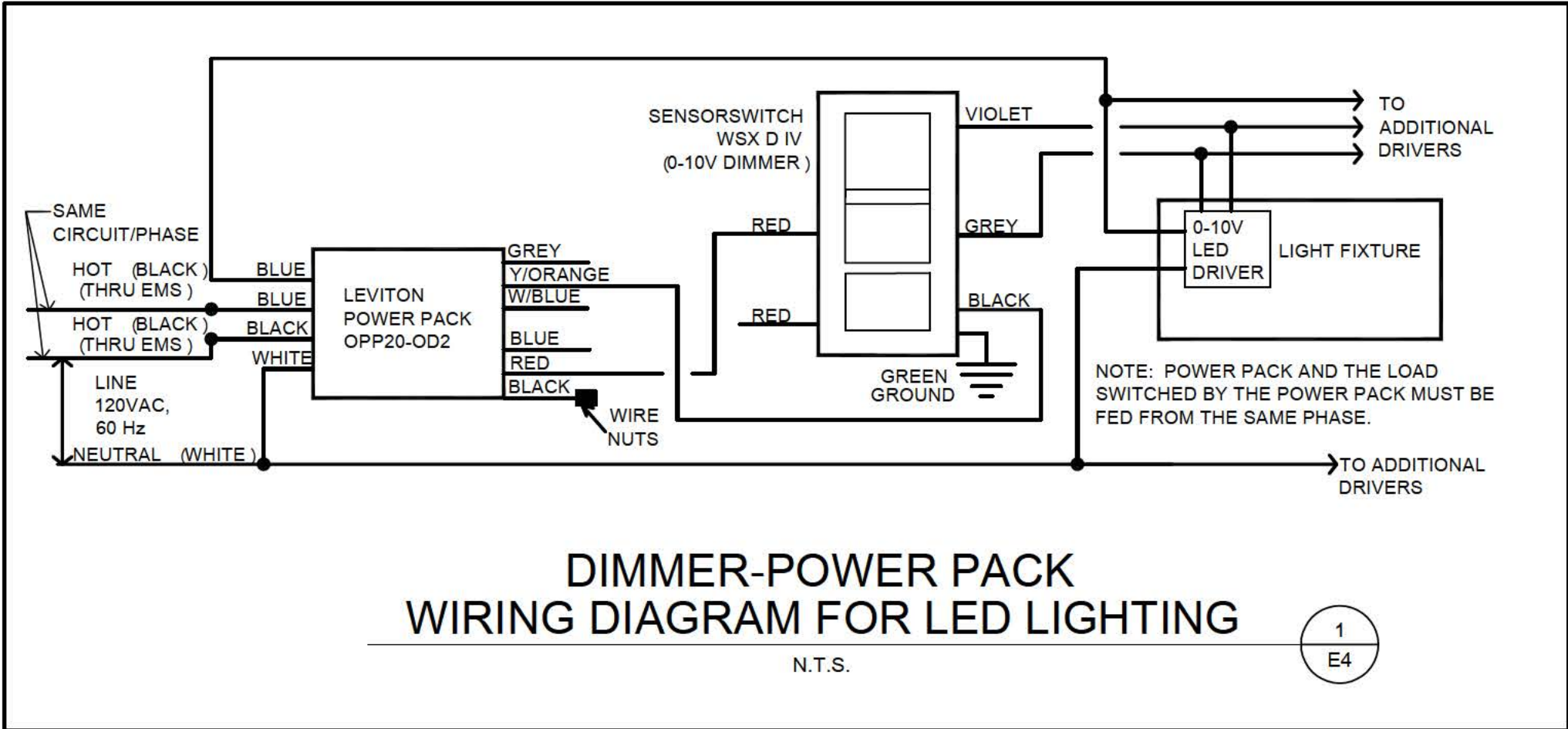
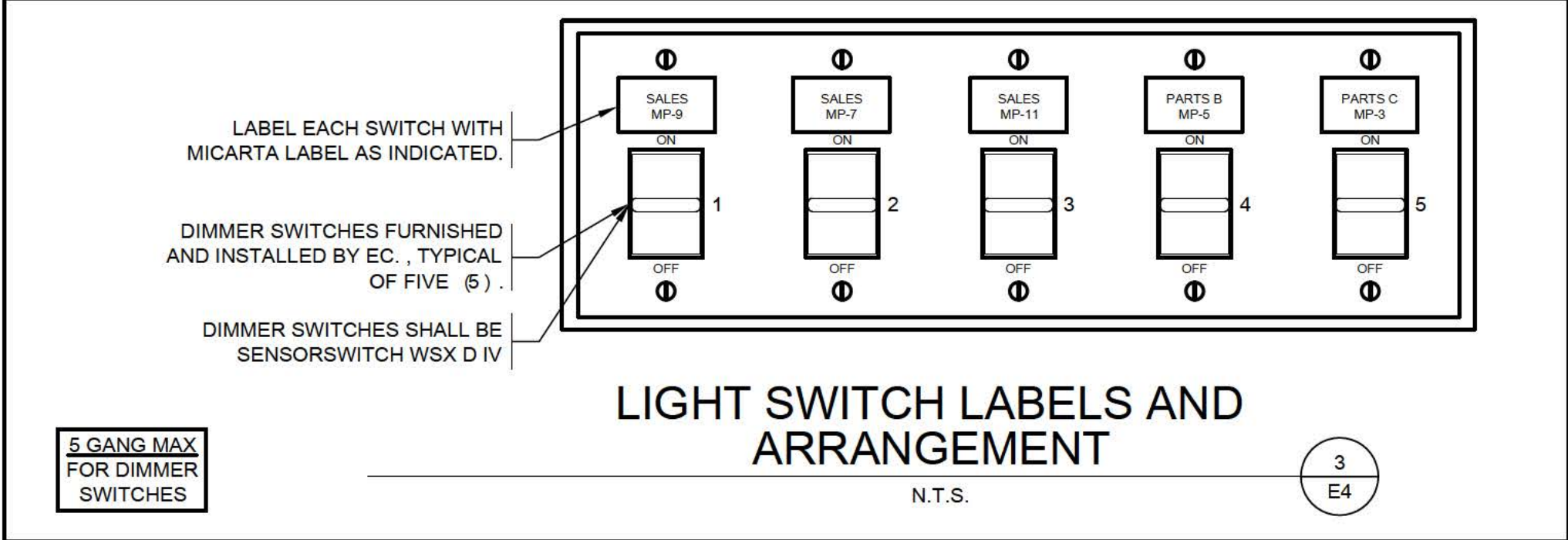
INDICATES WIRING BY ELECTRICAL CONTRACTOR

NOTES:

- A. DUCT DETECTOR SHALL BE FURNISHED BY RTU SUPPLIER AND MOUNTED BY M.C., WIRED BY THE E.C.
- B. ALL EQUIPMENT & WIRING SHALL BE IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

HVAC CONTROL WIRING SCHEMATIC

SCALE: NONE



EQUIPMENT LABELS CHART

SEE ELECTRICAL SERVICE DIAGRAM.

EQUIPMENT	LABELS					
	SERVICE DISCONNECT	OPTIONAL STANDBY SOURCE	SERIES RATING	GENERATOR POWER INLET	AVAILABLE FAULT CURRENT	
DISCONNECT	X	X				
MP						
PLP						
E						
GENERATOR POWER INLET				X		
CT CABINET						

GENERATOR POWER INLET LABEL

PERMANENT LABEL SHALL BE 2 x 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. LABEL TO BE PLACED 6 INCHES ABOVE GENERATOR RECEPTACLE.

WARNING:
FOR CONNECTION OF A NONSEPARATELY DERIVED (FLOATING NEUTRAL) SYSTEM ONLY (MAX. 6000 WATT GENERATOR)

EXAMPLE OF LABELING ABOVE.

SERVICE DISCONNECT LABEL

THE SERVICE DISCONNECTING MEANS SHALL BE PROPERLY MARKED "SERVICE DISCONNECT". REFER TO SPEC SECTION 26 _00 _20 FOR FURTHER IDENTIFICATION PLATE REQUIREMENTS.

OPTIONAL STANDBY SOURCE LABEL

PERMANENT LABEL SHALL BE 2 x 3 IN SIZE AND SHALL BE BLUE LETTERING ON A CONTRASTING BACKGROUND. LABEL TO BE PLACED ON DISCONNECT DOOR.

CAUTION

TWO SOURCES OF SUPPLY

STANDBY POWER SOURCE: PORTABLE 6kw GENERATOR
LOCATION: OVERHEAD DOOR.

EXAMPLE OF OPTIONAL STANDBY SOURCE LABELING ABOVE.

ELECTRICAL BIDDERS NOTES:

- A. EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD BEFORE SUBMITTING BID. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL COST TO THE OWNER. POWER.
- B. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL TRADES WORK PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE TO COORDINATE AS REQUIRED FOR INSTALLATION OF NEW WORK AND IN COMPLIANCE WITH NEC CODES.
- C. MAINTAIN CONTINUITY OF ALL NEW CIRCUITS AS NEEDED TO PROVIDE POWER/LIGHTING TO DEVICES BEING USED AS TEMPORARY
- D. SEE ADDITIONAL SHEETS FROM CIVIL/ARCHITECTURAL MECHANICAL PLANS AND COORDINATION WITH NEW WORK REQUIRED UNDER BASE BID.
- E. PROVIDE CADDIE ADJUSTABLE FAR SIDE SUPPORTS OR EQUIVALENT ON ALL ELECTRICAL BOXES IN THE WALLS TO ASSURE TIGHT FITTING, SECURE BOXES. SECTION 21.107 (A) (B) .
- F. ALL ELECTRICAL WORK SHALL COMPLY WITH ADOPTED AMENDMENTS OF THE LOCAL AUTHORITY AND THE NATIONAL ELECTRICAL CODE.
- G. THE USE OF ALUMINUM SHALL NOT BE ACCEPTED IN ANY FORM.
- H. CONDUIT RUN UNDER THE ROOF SHALL COMPLY WITH NEC 300.14 (E) .
- I. GARVIN COVER OUTLETS SHALL HAVE A BONDING JUMPER INSTALLED TO BOX.
- J. MOGUL L.B. SHALL BE USED FOR ALL CONDUCTORS LARGER THAN #8.
- K. NO TANDEM, BUDDY, DUPLEX, PIGGYBACK CIRCUIT BREAKERS.
- L. ALL CONDUIT SYSTEMS AND RACEWAYS AND ETC. SHALL HAVE A GREEN GROUNDING CONDUCTOR PER NEC 250.122.
- M. FLEXIBLE METAL CONDUIT, TYPE FMC, IS PERMITTED ONLY FOR INDOOR USE AND LIMITED TO A MAXIMUM OF 6'-0" IN LENGTH.
- N. WIRE TERMINATED ON RECEPTACLES OR SWITCHES SHALL BE UNDER THE SCREW OF DEVICE. BACKSTABBING NOT ALLOWED.
- O. ALL VOLTAGE OVER 24 VOLTS SHALL BE IN CONDUIT WHERE NOT ACCESSIBLE.

1/13/20

REVISIONS

THIS DRAWING	FOR COORDINATION	1/12/19
FOR BIDDING	FOR PERMIT	1/12/19
NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION	NOT FOR CONSTRUCTION

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1317 E. SIBLEY BLVD. DOLTON, IL 60419
FOR: DEPARTMENT PROPERTY GROUP, LLC

SHEET TITLE
ELECTRICAL DETAILS

1906

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