

BINDING EDGE

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TIME / DATE: 6/18/2020 10:25:05 AM

LEGEND	
SYMBOL:	DESCRIPTION:
	METER, PROVIDE AND INSTALL IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS.
	FLOURESCENT AND INSTAL IN ACCORDANCE WITH THE LIGHTING FIXTURE SCHEDULE
	INCANDESCENT, H.I.D., OR COMPACT FLUORESCENT LIGHTING FIXTURE. 'M' REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE
	CEILING FAN WITH LIGHT KIT. 'A' REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE
	WALL SWITCH SINGLE POLE UNLESS NOTED 3 OR 4-WAY 'WP' INDICATES WEATHERPROOF, '4F' ABOVE FLOOR EXCEPT IN MASONRY WALLS WHERE HEIGHT SHALL BE ADJUSTED TO HANGERS EDGE OCCUR AT A MASONRY JOINT.
	3-WAY LIGHT SWITCH 20 AMP, 27YV, MTD 4F AFF, UNO.
	4-WAY LIGHT SWITCH 20 AMP, 27YV, MTD 4F AFF, UNO.
	PHOTOCELL SENSOR
	2X12V, 2 POLE, 3 WIRE, GROUNDING DUPLEX RECEPTACLE, MTD 18" AFF, UNO.
	2X15V, 2 POLE, 3 WIRE, GROUNDING DUPLEX RECEPTACLE MTD: 42" AFF, UNO.
	2X20 VOLT, SINGLE PHASE RECEPTACLE, NEMA 14-30R, INSTALL 4" AFF EXTEND 63 WG TO PANEL IN UNIT.
	240 VOLT, SINGLE PHASE RECEPTACLE, NEMA 14-30R, INSTALL 4" AFF EXTEND 103 WG TO PANEL IN UNIT.
	PANELBOARD, RECESSED OR SURFACE MOUNTED AS INDICATED ON DRAWINGS, TOP 6 FEET ABOVE FINISHED FLOOR OR 4 FEET ABOVE FINISHED FLOOR IN ACCESSIBLE APARTMENT UNITS, ADJUSTED TO OCCUR AT A MASONRY JOINT. SEE PANELBOARD SCHEDULE FOR EQUIPMENT CONTAINED.
	HOMERUN CONDUIT AND CONDUCTORS EXTENDED TO PANELBOARD '1 1/2' CONDUIT SIZE. 'X' CROSS LINES INDICATE THE NUMBER OF '10' 12 AWG CONDUCTORS WHERE MORE THAN TWO CIRCUITS SHARING THE SAME NEUTRAL, SHALL BE CONNECTED TO DIFFERENT PHASES WITHIN THE PANELBOARD REGARDLESS OF NUMBERING INDICATED ON THE DRAWINGS.
	PHONE OUTLET, PROVIDE JUNCTION BOX WITH COVERPLATE AND R411 JACK, EXTEND CAT 5E TO MODULAR WIRING CABINET, 18" AFF, UNO.
	PHONE OUTLET, PROVIDE JUNCTION BOX WITH COVERPLATE AND R411 JACK, EXTEND CAT 5E TO MODULAR WIRING CABINET, MOUNTED 42" AFF, UNO.
	TELEVISION OUTLET, PROVIDE JUNCTION BOX WITH COVERPLATE AND F-TYPE CONNECTOR EXTEND R4 TO MODULAR WIRING CABINET, 18" AFF, UNO.
	SINGLE STATION ALARM SMOKE DETECTOR WALL OR CEILING MOUNTED AS INDICATED ON PLANS, CONNECT TO 120V, MOUNT TOP OF DETECTOR 6" BELOW CEILING WHERE WALL MOUNTED, INTERLOCK ALL DETECTORS IN UNITS. KODE MODEL NO. KN COPE-1.
	SINGLE STATION ALARM SMOKE, ADA COMPLIANT, WALL OR CEILING MOUNTED AS INDICATED ON PLANS, CONNECT TO 120V, MOUNT TOP OF DETECTOR 6" BELOW CEILING WHERE WALL MOUNTED, INTERLOCK ALL DETECTORS IN UNITS. BIRK BRAND MODEL NO. 701985.
	DOOR CHIME STRIKE, WHEEL LOCK CO. R85 3/4MM OR EQUAL, PROVIDE LOW VOLTAGE WIRING FROM DOORBELL CHIME.
	RANGE HOOD, PROVIDE 120 VOLT RECEPTACLE IN CABINET ABOVE.
	DISHWASHER, PROVIDE 120 VOLT CONNECTION BELOW COUNTER.
	EXHAUST FAN, 120 VOLTS, PROVIDE MEANS OF DISCONNECT PER NEC.
	WATER HEATER, 240 VOLTS, 4.5KW PROVIDE 3/4" 2-POLE DISCONNECT SWITCH AND CONNECT 100WG TO PANEL IN UNIT.
	MODULAR WIRING CABINET, RECESSED OR SURFACE MOUNTED AS INDICATED ON PLANS, TOP 9" AFF, USE HUBBELL CO. MODEL NO. NS20BN IN WITH 8-PORT PHONE AND 4-PORT COAX, PROVIDE 1 1/2" CONDUIT FROM HWC TO DEMARK POINT TO BE LOCATED NEXT TO METER CENTER.
	DOOR BELL, BUTTON MOUNT 42" AFF USE NUTONE CO. MODEL NO. N25LBM.
	DOOR BELL CHIME, MOUNT 84" AFF INCLUDES WITH DOOR BELL.

ELECTRICAL ABBREVIATIONS	
ABBREVIATIONS	DESCRIPTION:
A	AMPERE
AFI	ABOVE FINISHED FLOOR - MEASURED FROM FLOOR TO CENTER OF DEVICE, EXCEPT AS OTHERWISE SPECIFICALLY NOTED.
ADA	AMERICANS WITH DISABILITIES ACT OF 1990
AFS	ABOVE FINISH GRADE
C	CONDUIT
F	FUSE
G	GROUND
GF	INDICATES RECEPTACLE OR CIRCUIT BREAKER, AS APPLICABLE, TO HAVE GROUND FAULT PROTECTION
MCW	Kcmil (THOUSAND CIRCULAR MILS)
NEC	NATIONAL ELECTRICAL CODE
N	NEUTRAL
PH	PHASE
S.O.	SPACE ONLY
TSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR, LEVITON 57777 SERIES OR EQUAL, UNLESS NOTED OTHERWISE
UNO	UNLESS NOTED OTHERWISE
VF	VERIFY IN FIELD
WP	INDICATES DEVICE TO HAVE WEATHERPROOF COVER, TAMM MODEL NO. M32300 OR EQUAL.

GENERAL ELECTRICAL NOTES

- CONTRACTOR IS STRONGLY ENCOURAGED TO VISIT THE JOB SITE AND CAREFULLY EXAMINE THOSE PORTIONS OF THE SITE AFFECTED BY THIS WORK SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK.
- CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND PERMITS. ALSO, THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH LOCAL UTILITY COMPANY. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR WEATHERING EQUIPMENT AND ALL ELECTRICAL EQUIPMENT AND WIRING IS TO BE PROTECTED FROM THE MAIN SERVICE ENTRANCE.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT APPLICABLE EDITION OF THE NATIONAL ELECTRICAL CODE, NFPA 70, SHOULD PLANS AND CODES CONFLICT, THE CODE TAKES PRECEDENCE. MAKE NO CHANGES, EVEN IN THE CASE OF CONFLICT, WITHOUT FIRST OBTAINING APPROVAL OF THE ENGINEER.
- ALL MATERIALS SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORY, INC.
- UNLESS OTHERWISE NOTED, ALL POWER CIRCUIT CONDUCTORS SHALL BE COPPER #2 AWG MINIMUM WITH THINWALL 800 VOLT INSULATION. SERVICE ENTRANCE AND FEEDERS SHALL BE INSTALLED IN CONDUIT. BRANCH CIRCUIT WIRING SHALL BE NON-METALLIC CABLE, 'ROMEX'. PROVIDE BRANCH CIRCUIT WIRING TO CONNECT ALL DEVICES, FIXTURES, HVAC UNITS, ETC TO CIRCUITS INDICATED ON DRAWINGS. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC AND EXPOSED ABOVE GROUND CONDUITS SHALL BE SCHEDULE 80 PVC.
- A GREEN COPPER GROUND WIRE SHALL BE INSTALLED IN ALL CONDUIT SYSTEMS PER NEC AND SHALL BE BONDED TO ALL ENCLOSURES, BOXES, AND EQUIPMENT.
- BONDING JAMPERS SHALL BE USED TO BOND CONDUIT TO ENCLOSURES, BOXES, AND EQUIPMENT WHERE KNOCKOUTS ARE USED.
- 'PROVIDE' AS USED HERE AND ON THE DRAWINGS, IS AN ALL INCLUSIVE TERM REQUIRING CONTRACTOR TO FURNISH, INSTALL, WIRE, AND CONNECT ALL SPECIFIED EQUIPMENT AS WELL AS COMPONENTS, ACCESSORIES, AND MOUNTING HARDWARE TO INSURE THAT SPECIFIED EQUIPMENT FUNCTIONS TO MEET SYSTEM REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT OTHER FACILITIES AND EQUIPMENT FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT OF FACILITIES, EQUIPMENT, OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONNECTION WITH THE COMPLETION OF THIS WORK. ELECTRICAL CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO TENNESSEE ONE CALL, (800) 351-1111, PRIOR TO COMMENCEMENT OF ANY EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE PRESTOPPING OF ALL RATED PENETRATIONS PER DETAIL. ELECTRICAL BOXES INSTALLED ON OPPOSITE SIDE OF A FIRE RATED WALL SHALL HAVE A TWO FOOT MINIMUM HORIZONTAL SEPARATION.

LIGHTING NOTES

- CONTRACTOR SHALL FURNISH AND INSTALL LIGHT SWITCHES FOR ALL LIGHTING AT LOCATIONS AS SHOWN ON THE DRAWINGS.
- CONFIRM EXACT LIGHT FIXTURE LOCATIONS WITH OWNER/ARCHITECT.
- EXHAUST FANS SHALL BE FED FROM MAIN LIVING CIRCUITS.
- LIGHT FIXTURES AND CEILING FANS SHALL BE SELECTED BY OWNER/ARCHITECT.
- PRIOR TO ORDERING THE SPECIFIED LIGHT FIXTURES, THE CONTRACTOR SHALL VERIFY THE FIXTURE IS SUITABLE FOR THE CEILING TYPE. FOR EXAMPLE, A FIRE RATED FIXTURE SHALL BE INSTALLED IN A FIRE RATED ASSEMBLY. IF DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER PRIOR TO PROCEEDING.

COMMUNICATIONS NOTES

- CONTRACTOR SHALL FURNISH AND INSTALL TELEPHONE CABLE FROM THE TELEPHONE TERMINAL LOCATION TO EACH DOWELLING UNIT. TELEPHONE LOCATIONS IN EACH UNIT SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE TELEPHONE SYSTEM REQUIREMENTS WITH LOCAL TELEPHONE PROVIDER.
- CONTRACTOR SHALL FURNISH AND INSTALL TELEVISION CABLE FROM THE CABLE TELEVISION SERVICE ENTRANCE TO EACH DOWELLING UNIT. CABLE TELEVISION OUTLET LOCATIONS IN EACH UNIT SHALL BE DETERMINED AT THE TIME OF BUILDOUT. CONTRACTOR SHALL FURNISH AND INSTALL CABLE TELEVISION CABLE, BOXES, TERMINATIONS, ETC. REQUIRED FOR A FULLY OPERATIONAL SYSTEM COORDINATE SYSTEM REQUIREMENTS WITH LOCAL TELEVISION SUPPLIER.
- ALL COMMUNICATIONS SERVICE CABLES/CONDUCTORS SHALL ENTER THE BUILDING UNDERGROUND IN CONDUITS AS SPECIFIED BY THE SERVICE PROVIDERS. COORDINATE SERVICE ENTRANCE LOCATIONS WITH GENERAL CONTRACTOR/DEVELOPER.
- EMPTY OUTLETS SHALL HAVE A FULL ROPE INSTALLED.

POWER NOTES

- CONTRACTOR SHALL FURNISH AND INSTALL FUSES/DISCONNECTS FOR ALL HVAC EQUIPMENT WITH FUSES AS PER MANUFACTURER RECOMMENDATIONS. AIRPACTY, POLES, AND TYPE NEMA ENCLOSURE OF DISCONNECT SWITCHES AS REQUIRED. FURNISH AND INSTALL WEATHERPROOF GFCI DUPLEX RECEPTACLE OUTLET WITHIN 2 FEET OF EACH HVAC PREP OF EQUIPMENT.
- MOUNT ALL SWITCHES AND OTHER ELECTRICAL EQUIPMENT IN COMPLIANCE WITH APPLICABLE PROVISIONS OF THE ADA.
- ALL KITCHEN, TOILET, UTILITY SINK, LAUNDRY, AND EXTERIOR HVAC SERVICE RECEPTACLES SHALL BE GFCI. ALL EXTERIOR RECEPTACLES SHALL HAVE APPROVED WEATHERPROOF IN USE COVERS AS PER CURRENT APPLICABLE NEC ARTICLE 408.8.
- ELECTRICAL BOXES INSTALLED ON OPPOSITE SIDES OF A FIRE RATED WALL SHALL HAVE A TWO FOOT MINIMUM HORIZONTAL SEPARATION.
- AIRC FAULT BREAKERS SHALL BE INSTALLED ON BREAKERS SERVING OUTLETS IN ALL LIVING SPACES PER NEC.
- CONTRACTOR SHALL CONNECT ALL EQUIPMENT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL PROVIDE ALL COMPONENTS NECESSARY (CONDUIT, CONDUCTORS, CABLE, BOXES, ETC.) TO CONNECT EQUIPMENT.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT NECESSARY (CONDUIT, CONDUCTORS, BOXES, ETC.) TO CONNECT ALL ALARMS. CONTRACTOR SHALL INTERCONNECT ALL ALARMS TOGETHER INSIDE EACH UNIT.

LIGHTING FIXTURE SCHEDULE							
SYM	COMPANY	MODEL NUMBER	LAMPS		MOUNTING	DESCRIPTION	
			NO	WATTS*			
A	OBTWVN	0W-LD08R-4D1030W	1	10	LED	SURFACE	4" ROUND DOWNLIGHT WITH JUNCTION BOX 3000K, 80 CRI, 750 LUMENS
A1	SIGNIFY	4RN-P4RDL0585SCL216U	1	9	LED	SURFACE	WET LOCATION LISTED 4" ROUND SHOWER DOWNLIGHT 500 LUMENS, 3500K, 80CRI
B		NOT USED					
C	PROMINENCE HOME	80096 FINISH: ESPRESSO BLADE FINISH: DARK CHESTNUT	2	6.5	LED	DOWNROD OR FLUSH	INTERIOR CEILING FAN 600 LUMENS, 3000K
D	SIGNIFY	LINC3100EL1990XUNVHWGDM	1	2.5	LED	SURFACE	UNDERCABINET LIGHTING 3000K, 391 LUMENS, 90 CRI
E	OBTWVN	0W-LFV23-24D0300-NK	1	25	LED	SURFACE	24" VANITY LIGHT 1750 LUMENS, 3000K, 80 CRI
E2	OBTWVN	0W-LFV23-36D0300-NK	1	30	LED	SURFACE	36" VANITY LIGHT 2100 LUMENS, 3000K, 80 CRI
F	KICHLER	16251	2	20.5	LED	WALL, 84" AFF	EXTERIOR SECURITY LIGHT WITH MOTION SENSOR 1800 LUMENS, 80 CRI, 3000K
G	CONTECH LIGHTING	R2RM140KCMVD5-CP TRM: CST2322L-777	1	10	LED	RECESSED	EXTERIOR DOWNLIGHT WITH BLACK TRIM 1100 LUMENS, 90 CRI, 4000K
H	OBTWVN	0W-OLW5-23W-14N2030-BZ	1	20	LED	WALL	DECORATIVE SCONCE 1250 LUMENS, 3000K, 80 CRI
HC	KICHLER	493840Z	1	75	INCANDESCENT	WALL	DECORATIVE COLONIAL STYLE SCONCE
HR	KICHLER	49969RZ	1	100	INCANDESCENT	WALL	DECORATIVE CRAFTSMAN STYLE SCONCE
HA	KICHLER	49331RZ	1	100	INCANDESCENT	WALL	DECORATIVE 4 SQUARE STYLE SCONCE
HT	KICHLER	49969OZ	1	100	INCANDESCENT	WALL	DECORATIVE TUDOR STYLE SCONCE
K	WILLIAMS	75R-3-L40R35-OPTIONS-DRV-LNV	1	26.9	LED	WALL, 84" AFF	3" UTILITY STRIP LIGHT 4000 LUMENS, 80 CRI, 3500K
L	LEVITON	000-0865-LED	1	10	LED	SURFACE	LENSED ATTIC LIGHT 900 LUMENS, 3000K.

NOTES

- THE FINISH OF ALL FIXTURES (NOTED BY 'Y' IN THE MODEL NUMBER) SHALL BE VERIFIED WITH AND APPROVED BY THE ARCHITECT.
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLAN FOR THE EXACT LOCATION OF FIXTURES.
- ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH LAMPS AND BALLASTS. UNLESS NOTED OTHERWISE, FLUORESCENT LAMPS SHALL BE 3500K, WITH A MINIMUM CRI OF 82. FLUORESCENT BALLASTS SHALL BE GENERIC ELECTRONIC WITH A MAXIMUM THD OF 10%.
- ALL FIXTURES IN KITCHEN OR FOOD PREP AREAS SHALL BE LENSED OR HAVE SHATTER PROOF LAMPS.
- PROVIDE TENMAT FIRE RATED COVERS FOR ALL RECESSED FIXTURES IN FIRE RATED CEILINGS.
- INSTALL FIXTURE F ON GARBAGE COLLECTION SIDE OF BUILDINGS.
- REFER TO ARCHITECTURAL FOR MOUNTING HEIGHTS FOR FIXTURES HV, HC, HR, HA, HT.
- WIRE FIXTURE F TO LOCAL PANEL BREAKER 13.



PROJECT NUMBER
550 W. MAIN STREET, SUITE 300
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PROJECT INFORMATION
CONTRACT:

OAKLAND COURT REDEVELOPMENT
415 N. MAPLE ST.
MURFREESBORO, TENNESSEE 37130

ACTIVE DESIGN PHASE

- SCHEMATIC DESIGN
- DESIGN DEVELOPMENT
- RED-CHECK
- CONSTRUCTION DOCUMENTS
- CONSTRUCTION BIDDING PHASE
- CONSTRUCTION ADMINISTRATION



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Do NOT scale drawings, use given dimensions only.
A not shown, verify correct dimension with ARCHITECT. Contractor shall check and verify all dimensions and conditions of job site.

CONSULTANT INFORMATION

CODES OFFICIAL REVIEW

LET PLAN:

REVISION INFORMATION

NO.	Date	Description
1	6/18/2020	ADDENDUM #1

DRAWING INFORMATION

SCALE: 1/8" = 1'-0"
SCALE GUIDE:
DWG ISSUED: 6/8/20
FR./MGR:
PA./P.C.:
DRAWN BY: KMP
CHECKED BY:
DRAWING TITLE:

ELECTRICAL LEGEND AND SCHEDULE

DRAWING NO: **E001**



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