

ELECTRICAL SPECIFICATIONS

PART 1. --- GENERAL

- 1.1 FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL A COMPLETE ELECTRICAL SYSTEM. THE SYSTEM WILL INCLUDE ELECTRICAL SERVICE, DISTRIBUTION EQUIPMENT, FEEDERS, ELECTRICAL CONNECTIONS, CONTROL WIRING, RACEWAYS, CONDUCTORS, BOXES, SWITCHES, FUSES, AND REQUIRED GROUNDING.
- 1.2 ALL WORK AND MATERIALS WILL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, THE LOCAL ELECTRICAL CODE AND REGULATIONS OF THE POWER COMPANY SERVING THE PROJECT.
- 1.3 COORDINATE TELEPHONE SERVICE AND PREWIRE WITH THE TELEPHONE COMPANY.
- 1.4 COORDINATE CABLE T.V. SERVICE AND PREWIRE WITH CABLE T.V. COMPANY.

PART 2 --- MATERIALS

- 2.1 ALL MATERIALS WILL BEAR OR CONFORM TO THE STANDARDS OF UL, INC.
- 2.2 BRANCH CIRCUIT WIRING TO BE TYPE "NM" NON-METALLIC SHEATHED CABLE WITH THHN OR THWN, 600 VOLT INSULATED COPPER CONDUCTORS. MINIMUM #14 AWG FOR LIGHTING CIRCUITS, #12 AWG FOR APPLIANCE CIRCUITS, AND OTHER SIZES AS INDICATED ON DRAWINGS.
- 2.3 ALUMINUM CONDUCTORS NOT APPROVED.
- 2.4 RACEWAYS WHERE REQUIRED SHALL BE: WRAPPED EMT. FOR SERVICE RISER; SCHEDULE 40 PVC PLASTIC ELECTRICAL CONDUIT FOR BRANCH CIRCUITS ROUTED UNDERGROUND AND/OR ROUTED IN MASONRY WALLS.
- 2.5 SWITCHES, FUSIBLE OR NON-FUSIBLE, TO BE SQUARE "D" OR EQUAL. TYPE "ND" SWITCHES MAY BE USED WHERE LOAD IS LESS THAN 70% OF SWITCH AMPERE RATING. HD TYPE "A" SWITCHES FOR LOADS OF 70% OR GREATER.
- 2.6 OUTLET BOXES TO BE ONE PIECE, PLASTIC, WITH PLASTER RINGS AS REQUIRED, EXCEPT AS NOTED OTHERWISE.
- 2.7 WIRING DEVICES: FURNISHED BY BRYANT, LUTRON, G.E., OR LEVITON;
- 2.71 SWITCHES:
SINGLE POLE TOGGLE: 15 AMP, 125 VOLT, WHITE DECORA SERIES
THREE WAY: 15 AMP, 125 VOLT, WHITE DECORA SERIES
DIMMER SWITCH: 600 WATT, 120 VOLT
- 2.72 RECEPTACLES:
DUPLEX RECEPTACLE: 2 POLE, 3 WIRE, GROUNDING TYPE, 15 AMP, 125 VOLT, WHITE DECORA SERIES (20 AMP SIMILAR)
- 2.73 DEVICE PLATES: PLASTIC DECORA LINE SERIES (WHITE)
- 2.74 TELEPHONE, TV OUTLETS, ETC. SHALL BE MATCHING DECORA SPECIALTY JACKS.
- 2.8 HEIGHT OF BOXES, CENTER OF BOX TO FINISHED FLOOR:
- 2.81 WALL SWITCHES +42" A.F.F.
- 2.82 RECEPTACLES 15" ABOVE FLOOR OR 3" ABOVE COUNTERS, U.N.O.
- 2.83 TELEPHONE OUTLET 15" OR AS SHOWN ON DRAWINGS FOR WALL MOUNTED PHONE.
- 2.84 T.V. OUTLET 15", U.N.O.
- 2.9 WHEN RECEPTACLES ARE MOUNTED ABOVE COUNTERS, INSTALL RECEPTACLES 3" ABOVE SPLASHGUARD WITH LONG AXIS VERTICAL.
- 2.10 FIXTURES: PROVIDE AND INSTALL FIXTURES AS LISTED ON THE DRAWINGS.
- 2.11 PROVIDE LAMPS AS RECOMMENDED BY THE FIXTURE MANUFACTURER AND AS INDICATED ON THE FIXTURE LIST.
- 2.12 PANELS TO BE: 120/240 VOLT, 1 PHASE, 3 WIRE, 40 CIRCUIT, WITH MAGNETIC CIRCUIT BREAKERS, SIZES AS INDICATED ON PANEL SCHEDULES. PANEL DOORS WILL BE EQUIPPED WITH TYPED OR PRINTED DIRECTORY CARDS CLEARLY IDENTIFYING LOAD SERVED BY EACH BRANCH CIRCUIT BREAKER INCLUDING SPARES.

PART 3 --- EXECUTION

- 3.1 CONTRACTOR WILL VISIT JOB SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS WHICH MAY AFFECT HIS BID. ALLOWANCES AFTER BIDDING WILL NOT BE MADE FOR EXISTING CONDITIONS.
- 3.2 CONTRACTOR WILL GUARANTEE ALL MATERIAL AND WORKMANSHIP FURNISHED BY HIM UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK OF THIS CONTRACT. ANY DEFECTS DEVELOPING WITHIN THIS PERIOD, TRACEABLE TO MATERIALS OR WORKMANSHIP PERFORMED HEREIN, WILL BE MADE GOOD AT THE EXPENSE OF THE ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR WILL ACCEPT AND FULLY UNDERSTAND THIS PROVISION PRIOR TO CONTRACT BEING AWARDED AS NO CLAIM FOR EXTRA COMPENSATION WILL BE, ALLOWED FOR CORRECTION OF FAULTY WORK OR DEFECTIVE MATERIAL.
- 3.3 PROVIDE 2 SETS OF SHOP DRAWINGS FOR ALL EQUIPMENT FOR REVIEW PRIOR TO ORDERING.
- 3.4 REFER TO MECHANICAL DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT LOCATIONS, LOADS, AND ADDITIONAL REQUIREMENTS.

END OF SECTION

ELECTRICAL PLAN NOTES:

1. IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PERFORM ALL WORK TO COMPLY WITH ALL APPROPRIATE CODES.
2. EXACT LOCATION OF ALL LIGHTING FIXTURES, OUTLETS, PANELS, ETC., IS SUBJECT TO APPROVAL OF OWNER AND/OR DESIGNER AND SHOULD BE VERIFIED PRIOR TO ROUGH-IN.
3. CONTRACTOR SHALL COORDINATE WITH OWNER, ALL LIGHTING SWITCHING PLACEMENTS AND DIMMING REQUIREMENTS PRIOR TO ROUGH-IN/ORDERING EQUIPMENT.
4. COORDINATE ELECTRICAL PLANS WITH MECHANICAL PLANS. (IF APPLICABLE)
5. COORDINATE ALL EXTERIOR LANDSCAPE LIGHTING WITH ELECTRICAL FOR HOUSE.
6. PROVIDE GFCI PROTECTION AT ALL BATH AND RECEPTACLES NEAR SINKS. PROVIDE GFCI AND WEATHERPROOF PROTECTION AT ALL EXTERIOR AND GARAGE RECEPTACLES.
7. ALL SMOKE DETECTORS TO BE ON CONSTANT AND UNSWITCHABLE CIRCUIT WITH LOCK ON HANDLE DEVICE AT C/B'S.
8. CONTRACTOR SHALL COORDINATE ALL EQUIPMENT ELECTRICAL REQUIREMENTS OR ANY OTHER ELECTRICAL SYSTEMS REQUIREMENTS WHICH MAY AFFECT HIS BID WITH OWNER PRIOR TO BID/ROUGH-IN.
9. PROVIDE AT LEAST (1) 20 AMP BRANCH CIRCUIT TO SERVICE LAUNDRY ROOM AND AT LEAST (1) 20 AMP BRANCH CIRCUIT TO SERVE BATHROOMS. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS.
10. OUTLET BOXES IN WALL BETWEEN THE DWELLING AND GARAGE SHALL BE METAL OR UL APPROVED FIRE-RESISTIVE PLASTIC. OUTLET BOXES IN THE GARAGE CEILING SHALL BE METAL OR UL APPROVED PLASTIC.
11. SURFACE MOUNTED INCANDESCENT LIGHT FIXTURES IN CLOTHES CLOSETS MAINTAIN 12" BETWEEN THE FIXTURE AND NEAREST POINT OF STORAGE AND 6" FOR RECESSED AND FLOURESCENT FIXTURES.
12. DIMMING SWITCHES SHALL BE DECORA SERIES WITH PRESET SLIDE AND ROCKER ON/OFF CONTROL. COLOR PER OWNER/INTERIOR DESIGNER.

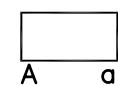
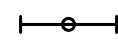


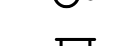
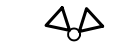


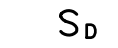


SMOKE AND CARBON MONOXIDE DETECTOR NOTES:

1. SMOKE DETECTORS SHALL BE INSTALLED PER 2003 IRC SECTION R317. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED WITH A POWER SOURCE FROM BUILDING WIRING AND SHALL BE EQUIPPED WITH A BATTERY BACK-UP.
2. CARBON MONOXIDE DETECTORS SHALL BE INSTALLED IN CORRIDOR AREAS OR AREAS GIVING ACCESS TO EACH SEPARATE SLEEPING AREA OF DWELLING.











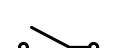




ELECTRICAL SYMBOLS LIST

NOTE: ALL SYMBOLS AND/OR ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS.

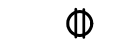


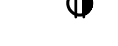

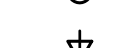



LIGHTING & LIGHTING CONTROLS

-  FLUORESCENT LIGHTING FIXTURE. SUBSCRIPT LETTER DENOTES FIXTURE TYPE AS DESCRIBED IN LIGHT FIXTURE SCHEDULE. LOWER CASE LETTER INDICATES SWITCHING CONTROL.
-  FLUORESCENT STRIPLIGHT
-  RECESSED DOWNLIGHT OR SURFACE MTD. LIGHTING FIXTURE
-  WALL MOUNTED LIGHTING FIXTURE
-  POLE MOUNTED LIGHT FIXTURE. SEE FIXTURE SCHEDULE.
-  STEP LIGHT RECESSED IN WALL AT 24" A.F.F. U.N.O.
-  FLOOD LIGHT. SEE FIXTURE SCHEDULE.
-  SINGLE-POLE SWITCH @ 42" A.F.F. U.N.O. LOWER CASE LETTER DENOTES FIXTURE CONTROL. 250V. 15A.
-  THREE-WAY SWITCH 250V. 15A. MTD @ 42" A.F.F. U.N.O.
-  DIMMER SWITCH. @42" A.F.F. U.N.O. TYPE AND WATTAGE AS NOTED ON PLANS
-  SINGLE-POLE LIGHT SWITCH WITH PILOT LIGHT @ 42" A.F.F. U.N.O. 250V. 15A.

POWER DISTRIBUTION

-  J--BOX ABOVE CEILING OR FLUSH IN WALL--SEE PLANS
-  J--BOX (WITH FLEX CONNECTION TO EQUIPMENT.)
-  DISCONNECT SWITCH, WITH RATING AS SHOWN ON PLANS
-  CONTROLLER FURNISHED WITH EQUIPMENT, OR BY OTHERS
-  HORSEPOWER RATED, 250V., 1Ø., MANUAL MOTOR STARTER. TOGGLE-OPERATED WITH THERMAL OVERLOAD PROTECTION
-  HORSPOWER RATED 250V.,1Ø, FUSE HOLDER WITH TOGGLE OPERATED SWITCH DISCONNECT.
-  BRANCH CIRCUITRY CONCEALED IN WALL OR CEILING WITH #12 GND. U.N.O.
-  BRANCH CIRCUITRY ROUTED UNDERGROUND AND/OR IN FLOOR SLAB
-  LOW-VOLTAGE BRANCH CIRCUITRY
-  ELECTRICAL PANELBOARD.
-  CIRCUIT BREAKER. AMPERAGE/# OF POLES AS NOTED ON PLANS
-  SAFETY DISCONNECT SWITCH. AMPERAGE AND # OF POLES AS NOTED ON PLANS
-  FUSE. TYPE AND AMPERAGE AS NOTED ON PLANS.
-  APPROVED GROUND. SIZE AND TYPE AS NOTED ON PLANS.
-  MOTOR: HORSEPOWER, VOLTAGE, AND PHASE AS NOTED ON PLANS

RECEPTACLES & COMMUNICATIONS OUTLETS

-  DUPLEX CONVENIENCE OUTLET, 15A, 125V, MTD @ 12" A.F.F. U.N.O.
-  DOUBLE DUPLEX CONVENIENCE OUTLETS UNDER COMMON COVER
-  DUPLEX CONVENIENCE OUTLET MOUNTED 3" ABOVE COUNTERTOP BACKSPASH OR APPROXIMATELY 42" A.F.F.
-  DUPLEX CONVENIENCE OUTLET; SPLIT WIRED, WITH TIE-BAR REMOVED. 125V. 15A. MTD. @ 18" A.F.F. U.N.O.
-  RANGE OUTLET. 250V. 50A., 2P. MTD. @ 18" A.F.F. U.N.O.
-  FLUSH FLOOR MOUNTED DUPLEX CONVENIENCE OUTLET 125V. 15A.
-  T.V. SYSTEM OUTLET MOUNTED @ +12" A.F.F. U.N.O.
-  TELEPHONE OUTLET MOUNTED @ + 12" A.F.F. U.N.O.
-  FLUSH FLOOR MOUNTED TELEPHONE OUTLET. PROVIDE 3/4" CONDUIT WITH PULL WIRE STUBBED ABOVE ACCESSIBLE CEILING.

ABBREVIATIONS

- A AMPERES
- AL ALUMINUM
- A.F.F. ABOVE FINISHED FLOOR
- A.F.G. ABOVE FINISHED GRADE
- C CONDUIT
- C/B CIRCUIT BREAKER
- CU COPPER
- DISC. DISCONNECT
- E.F. EXHAUST FAN
- F FUSE
- G.F.C.I. GROUND FAULT CURRENT INTERRUPTER
- GND. GROUND
- H.P. HORSE POWER
- M.C.B. MAIN CIRCUIT BREAKER
- M.L.O. MAIN LUGS ONLY
- MTD. MOUNTED
- P. POLE
- SW. SWITCH
- TYP. TYPICAL
- U.N.O. UNLESS NOTED OTHERWISE
- V. VOLTS
- W. WIRE
- W.P. WEATHERPROOF
- Ø PHASE

LIGHTING FIXTURE SCHEDULE

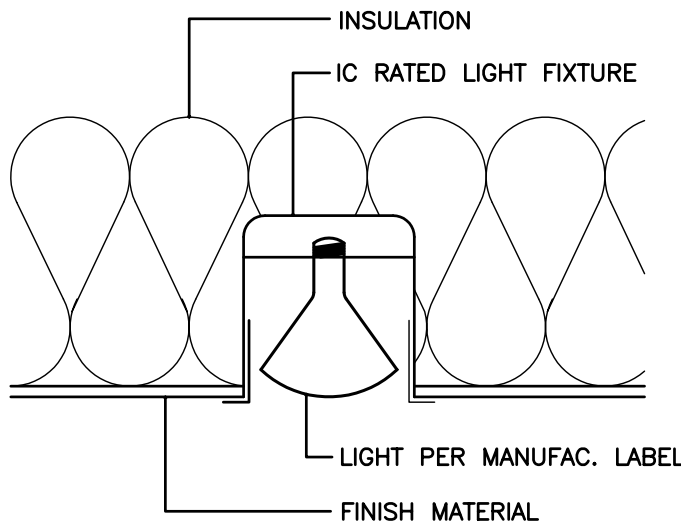
MK	MTG.	DESCRIPTION	LAMPS		REMARKS
			No.	TYPE	
'A'	REC	DAMP LOCATION RATED, IC CEILING RATED 5" CLEAR SPECULAR REFLECTOR DOWNLIGHT, SELF-FLANGED TRIM.	1	FROSTED 100W A19	RECESSED DOWNLIGHT.
'B'	REC	WHITE STEP BAFFLE, IC CEILING RATED 4" APERATURE DOWNLIGHT, WHITE TRIM RING.	1	FROSTED 100W A19	RECESSED DOWNLIGHT.
'C'	REC	BLACK STEP BAFFLE, IC CEILING RATED 4" APERATURE DOWNLIGHT, WHITE TRIM RING.	1	FROSTED 100W A19	RECESSED DOWNLIGHT.
'D'	REC	RECESSED LAMP WHITE REFLECTOR WALLWASHER DOWNLIGHT ROTATABLE LAMPS, SOCKET, IC CEILING RATED.	1	FROSTED 75W A19	RECESSED WALLWASHER.
'F'	REC	RECESSED LAMP BLACK REFLECTOR WALLWASHER DOWNLIGHT ROTATABLE LAMP SOCKET, IC CEILING RATED.	1	FROSTED 75W A19	RECESSED WALLWASHER.
'G'	REC	WET LOCATION RATED, LENSED, IC CEILING RATED SHOWER LIGHT.	1	FROSTED 60W A19	SHOWER DOWNLIGHT.
'H'	REC	REGRESSED LENSED, WHITE REFLECTOR DOWNLIGHT 5" APERATURE, IC CEILING RATED.	1	FROSTED 60W A19	CLOSET LIGHTING.
'K'	WALL	DECORATIVE BATHROOM/TOILET RM. WALL/VANITY LTG.	1	FROSTED 60W A19	
'L'	WALL	DECORATIVE HALLWAY LTG. WALL SCONCE.	1	FROSTED 60W A19	
'M'	WALL	DECORATIVE MEDIA ROOM ACCENT SCONCE.	1	FROSTED 60W A19	
'N'	SURF	LOW VOLTAGE BLACK 2-1/2" DIA. "PUCK" STYLE UNDERCABINET TASK LTG. W/REMOTE XFMR.	1	BI-PIN 20W XENON	REMOTE XFMR IN ACCESSIBLE LOCATION CONCEALED.
'P'	COVE	LED "ROPE" STYLE LIGHTING (CLEAR) MTD. CONCEALED ON TOP OF CABINET MILLWORK.	-	CLEAR TUBE LED LAMPING	
'Q'	REC	2" APERATURE, IC CEILING RATED LOW VOLTAGE ACCENT LTG, WHITE REFLECTOR.	1	50W MR16 NFL	KITCHEN ACCENT LTG.
'R'	REC	2" APERATURE, IC CEILING RATED LOW VOLTAGE ACCENT LTG, BLACK REFLECTOR.	1	20W MR16 NFL	WINE DISPLAY RM. LTG.
'S'	FLUSH	FLUSH CLG. REGRESSED LENSE 10" x 48" FLANGED FIXTURE, PRISMATIC LENS.	2	F32W T8	
'T'	PEND	DECORATIVE COLORED GLASS, LV PENDANT HANG ABOVE BAR COUNTER.	1	20W BI-PIN HALOGEN	COORDINATE GLASS COLOR AND MTG. HEIGHT.
'V'	WALL	EXTERIOR DECORATIVE WET LOCATION RATED WALL SCONCE LIGHTING FIXTURE.	1	CLEAR 60W A19	

GENERAL NOTES:

1. ALL FLUORESCENT FIXTURES TO HAVE ELECTRONIC BALLASTS. (T.H.D. <10%)
2. ALL BATTERY BACKED FLUORESCENT BALLASTS TO BE RATED FOR MINIMUM 1100 LUMENS.
3. ALL PRISMATIC LENSES FOR LAY-IN FIXTURES TO BE .125" THICK, PATTERN 12.
4. ALL FLUORESCENT AND PL LAMPS TO BE 35K UNLESS NOTED OTHERWISE.

NOTE:

ALL DECORATIVE WALL SCONCE/SPECIALTY LIGHTING FIXTURES INCLUDING CHANDELIERS AND CEILING FANS SHALL BE SELECTED BY OWNER/INTERIOR DESIGNER.



RECESSED LIGHT FIXTURE

NOTES:

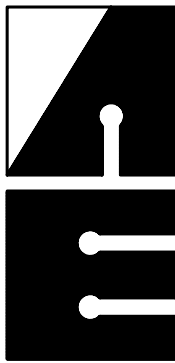
1. BUILDINGS SHALL BE INSULATED IN ACCORDANCE WITH THE CURRENT INTERNATIONAL RESIDENTIAL CODE CHAPTER 11 AND AS AMENDED BY THE CITY ORDINANCE. THE INSULATION INTEGRITY SHALL NOT BE COMPROMISED BY LIGHT FIXTURE PENETRATIONS.
2. LIGHT FIXTURES COVERED WITH INSULATION SHALL BE IC RATED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND THE CURRENT NATIONAL ELECTRIC CODE. NEC 110-3(b), 410-66(b).

KEYED NOTES (REFER TO ELECTRICAL PLANS FOR USE)

- (1) ELECTRIC DOOR BELL PUSH BUTTON. MOUNT AT 44" A.F.G.
- (2) ELECTRIC DOOR BELL. LOW VOLTAGE CHIME UNIT. ALIGN TOP EDGE OF CHIME WITH TOP EDGE OF DOOR FRAME/OPENING.
- (3) ELECTRIC DOOR BELL. LOW VOLTAGE TRANSFORMER. MOUNT ON WALL 6" BELOW CEILING/STRUCTURE. PROVIDE ALL CABLING AND CONNECTIONS REQUIRED FOR A COMPLETE SYSTEM.
- (4) 120 VOLT SMOKE DETECTOR WITH BATTERY BACK-UP. MOUNT ON WALL WITHIN 4" AND 12" OF CEILING.
- (5) CLOTHES WASHER: PROVIDE DUPLEX RECEPTACLE ABOVE WASHER BACKSPASH. COORDINATE WITH WASHER UTILITY BOX.
- (6) CLOTHES DRYER: PROVIDE 240 VOLT, SINGLE PHASE 30 AMP OUTLET ABOVE DRYER BACKSPASH. COORDINATE MOUNTING HEIGHT WITH WASHER OUTLET.
- (7) WATER HEATER: 240 VOLT, SINGLE PHASE. MOUNT JUNCTION BOX AT 72" A.F.F.
- (8) REFRIGERATOR, ALIGN DUPLEX RECEPTACLE WITH OTHER RECEPTS ABOVE COUNTER. RECEPT. @ BBQ AREA AND OFFICE LOCATED UNDER COUNTER.
- (9) RANGE/OVEN: PROVIDE 120/240 VOLT, SINGLE PHASE 50 AMP OUTLET BEHIND UNIT.
- (10) RANGE HOOD: COORDINATE MOUNTING HEIGHT OF RECESSED J-BOX WITH HOOD SUPPLIER.
- (11) DISPOSAL: PROVIDE HALF SWITCHED DUPLEX RECEPTACLE BELOW SINK.
- (12) GARBAGE DISPOSAL SWITCH: GANG WITH OUTLET AS SHOWN UNDER COMMON COVER.
- (13) ALL RECEPTACLES WITHIN SIX FEET OF THE SINK TO BE GFCI LABELED AND PROTECTED. (ALL KITCHEN AREA RECEPTS SHALL BE GFCI LABELED AND PROTECTED).
- (14) RATE FLUSH J-BOX FOR 60 lbs. MINIMUM FAN RATED BOX WHERE REQUIRED.
- (15) SERVICE ENTRANCE, METER, AND MAINS LOCATION. SEE SINGLE LINE DIAGRAM FOR INFORMATION.
- (16) W.P. J-BOX AT 18" A.F.G. FOR INCOMING TELEPHONE SERVICE. (UTILITY CO. APPROVED BOX).
- (17) CABLE T.V. SERVICE CONNECTION POINT AT BUILDING. (UTILITY CO. APPROVED BOX).
- (18) TASK LIGHTING FIXTURES MOUNTED TO UNDERSIDE OF CABINET MILLWORK. COORDINATE MOUNTING.
- (19) L.V. PUSHBUTTON SWITCH FOR GARAGE DOOR OPENER. MOUNT AT +44" A.F.F.
- (20) JUNCTION BOX FLUSH MOUNTED IN CEILING FOR GARAGE DOOR L.V. CONTROL CABLING. (METALLIC, 1 HOUR RATED, MIN)
- (21) RECEPTACLE FLUSH MOUNTED IN CEILING FOR GARAGE DOOR OPERATOR. (METALLIC, 1 HOUR RATED, MIN)
- (22) JUNCTION BOX AT +12" A.F.F. FOR GARAGE DOOR SENSOR LOW VOLTAGE CABLING. (METALLIC, 1 HOUR RATED, MIN)
- (23) SUB-PANELBOARD. DESIGNATION AS SHOWN.
- (24) INDIRECT L.E.D. ROPE LIGHTING ABOVE CABINET MILLWORK.
- (25) RECEPTACLES/DEVICES FLUSH MTD. IN CEILING FOR A/V EQUIPMENT CONNECTIONS. COORDINATE EXACT PLACEMENT REQ'S PRIOR TO ROUGH-IN.
- (26) STACK WASHER/DRYER. PROVIDE 240VOLT, 1 PHASE, 30 AMP OUTLET BEHIND UNIT.
- (27) JUNCTION BOX BEHIND ACCESSIBLE PANEL FOR JACUZZI TUB EQUIPMENT.
- (28) SECURITY SYSTEM COMMUNICATIONS AND LOW VOLTAGE SYSTEM INTERFACE EQUIPMENT LOCATIONS. COORDINATE POWER AND ALL ASSOCIATED REQUIREMENTS WITH EQUIPMENT VENDORS PRIOR TO ROUGH-IN.
- (29a) AIR HANDLER UNIT: 9.0 AMPS AT 120V, 1Ø, PROVIDE MOTOR RATED SWITCH ADJACENT UNIT FOR DISCONNECT.
- (29b) AIR HANDLER UNIT: 14.0 AMPS AT 120V, 1Ø, PROVIDE MOTOR RATED SWITCH ADJACENT UNIT FOR DISCONNECT.
- (30a) CONDENSING UNIT: 22.3 AMPS AT 240V., 1Ø, PROVIDE 60A., 2P., 2F., W.P. DISCONNECT SWITCH WITH FRNR FUSES SIZED PER MFR.
- (30b) CONDENSING UNIT: 27.9 AMPS AT 240V., 1Ø, PROVIDE 60A., 2P., 2F., W.P. DISCONNECT SWITCH WITH FRNR FUSES SIZED PER MFR.
- (30c) CONDENSING UNIT: 33.5 AMPS AT 240V., 1Ø, PROVIDE 60A., 2P., 2F., W.P. DISCONNECT SWITCH WITH FRNR FUSES SIZED PER MFR.
- (31) WINE ROOM AIR HANDLER UNIT: 12.0 AMPS, @120V.,1Ø, PROVIDE METER RATED W.P. SWITCH AT UNIT.
- (32) WINE ROOM CONDENSING UNIT: 12.0 AMPS, @240V.,1Ø, PROVIDE 30A., 2P., 2F., W.P. DISC. SWITCH WITH FRNR FUSES SIZED PER MFR.
- (33) KITCHEN AREA GFCI MODULE LOCATED IN PANTRY ROOM WALL. 2 DEVICES TO BE UTILIZED FOR KITCHEN AREA APPLIANCE CIRCUIT RECEPTACLES. (STANDARD DEVICES PROTECTED BY MODULES).



AEI #08002



ASSOCIATED
ENGINEERING
INCORPORATED

11410 North Cave Creek Rd
Phoenix, Arizona 85020
TEL: (602) 274-8988
FAX: (602) 274-9188

JANUARY 4, 2008

SPECS, SYMBOLS, &
SCHEDULES

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07-11

ARIZONA FIRST PARTNERS 3 LLC.

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