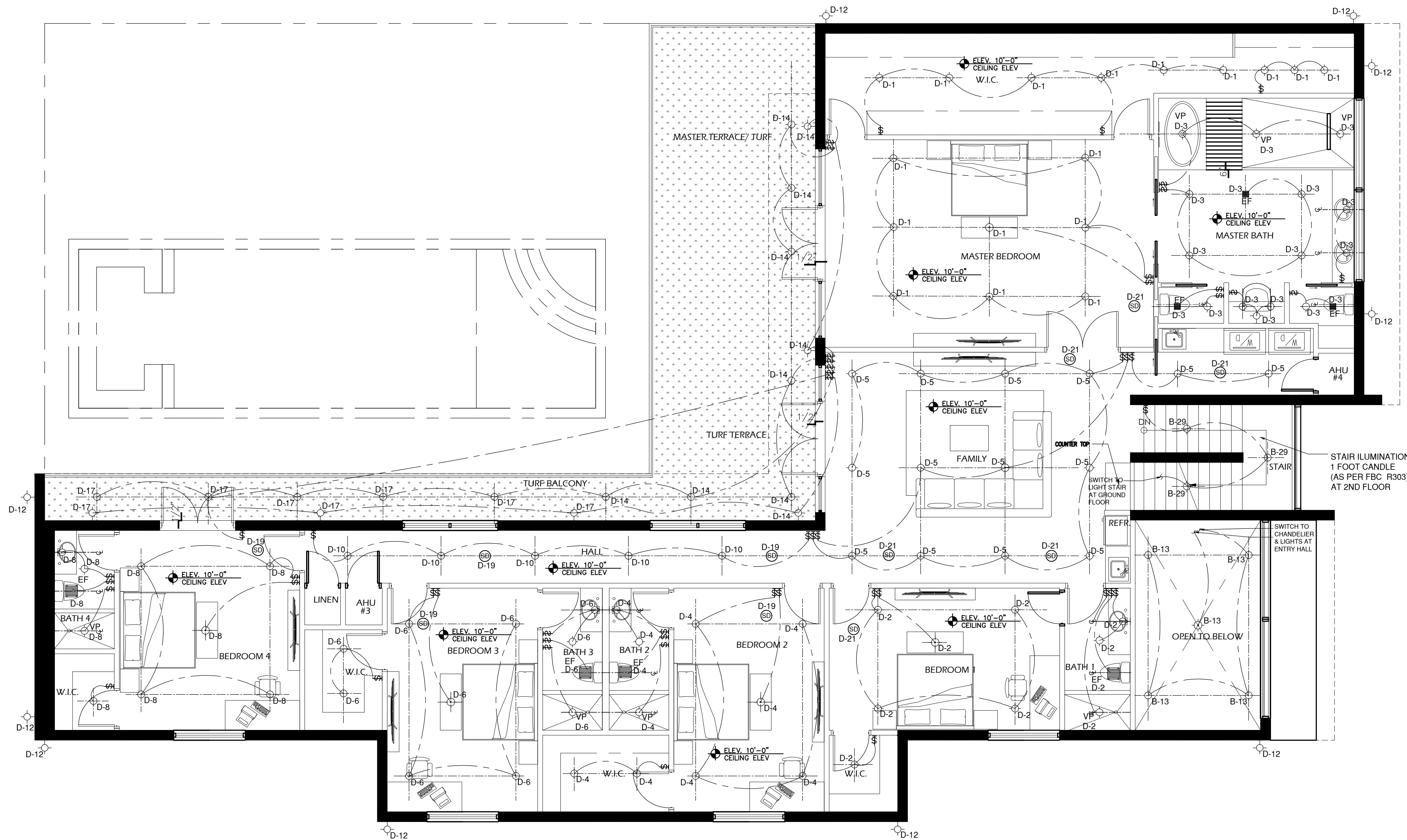




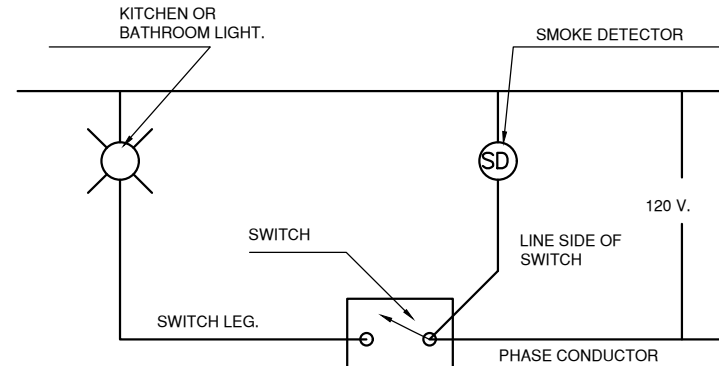
DELLMAN

E-1.1



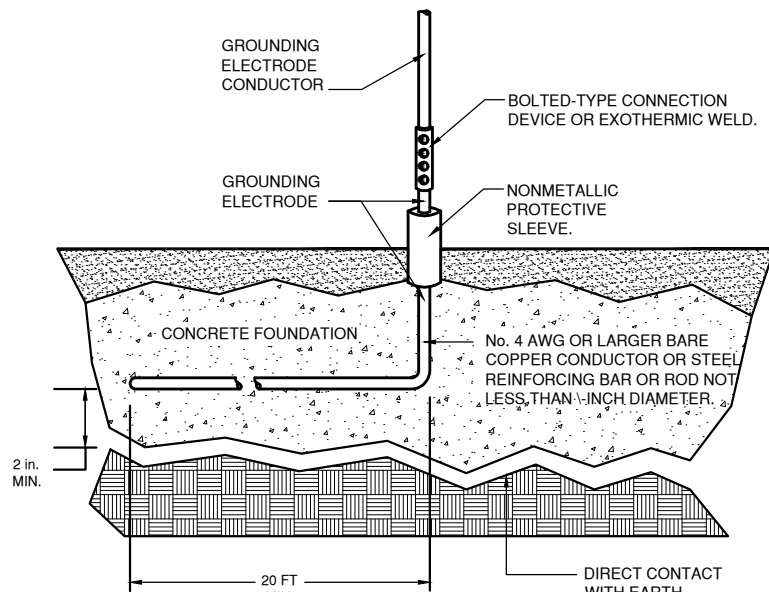
ELECTRICAL SECOND FLOOR PLAN - LIGHTING

SCALE: 3/16" = 1'-0"



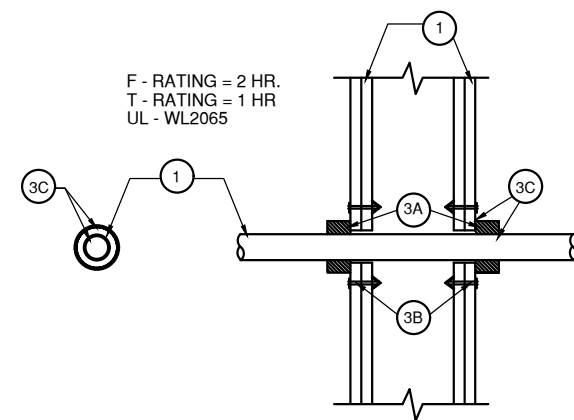
NOTE:
SMOKE DETECTOR SHALL BE HARDWIRED (110 VOLT TYPE) TO A NON-SWITCHABLE KITCHEN OR BATHROOM LIGHTING CIRCUIT, WITH BATTERY BACK-UP AND SHALL NOT BE CONNECTED ONTO THE LOAD SIDE OF GROUND FAULT CIRCUIT INTERRUPTER. ALL SMOKE DETECTORS WITHIN EACH UNIT SHALL BE INTERCONNECTED.

SMOKE DETECTOR CONNECTION DET.
N.T.S.



CONNECT TO A CONCRETE-ENCASED ELECTRODE CONSISTING OF AT LEAST 20 FT OF ONE OR MORE BARE OR ZINC GALVANIZED STEEL REINFORCING BARS OF NOT LESS THAN 1/2 INCH OR CONSISTING OF AT LEAST 20 FT OF BARE COPPER CONDUCTOR NOT SMALLER THAN No. 4 AND LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH EARTH.

CONCRETE-ENCASED ELECTRODE - AN ELECTRODE ENCASED BY AT LEAST 2" OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM AT A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20' OF ONE OR MORE STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 1/2" DIAMETER OR CONSISTING OF AT LEAST 20' OF BARE COPPER CONDUCTOR NOT SMALLER THAN No. 4 AWG.



WALL ASSEMBLY - U.L. SYSTEM WL-1039
FIRE PENETRATION DETAIL

- 2-HOUR FIRE RATED GYPSUM WALLBOARD/STUD ASSEMBLY
- PLASTIC PIPE - 1-1/2" DIA. (OR SMALLER) SCH. 40 PVC PIPE FOR USE IN CLOSED OR VENTED PIPING SYSTEMS WITH A NOM. ANNULAR SPACE OF 1/16"
- AT TREMSTOP WS - WRAP STRIPS, TIGHTLY WRAPPED 3 TIMES AROUND PIPE

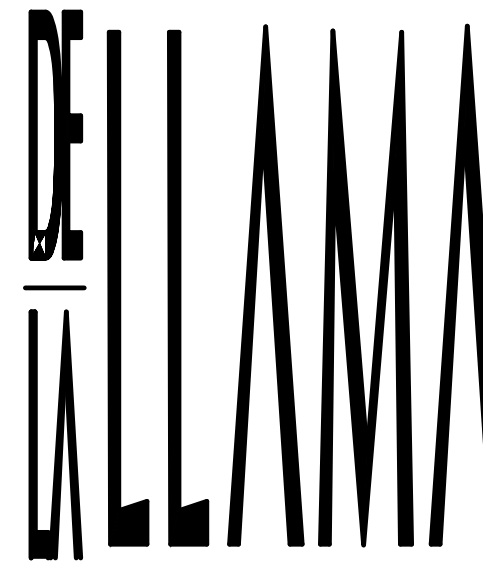
B) TREMSTOP MCR - STEEL RESTRICTING COLLAR
C) FPRE SIL - MIN. 1/4" THICK SEALANT APPLIED TO WALL/COLLAR AND COLLAR/PIPE INTERFACES

Metallic Pipes - Any of the following may be used:

- Nominal 4" diameter (or smaller) Schedule 10 (or heavier) steel pipe. A minimum 1/4" to maximum 1-1/4" annular space between pipe and periphery of opening is required - 0 hr. T Rating.

- Nominal 4" diameter (or smaller) cast or ductile iron pipe. A minimum 1/4" to maximum 1-5/8" annular space between pipe and periphery of opening is required - 0 hr. T Rating.

- Nominal 4" diameter (or smaller) electrical metallic tubing or steel conduit. A minimum 1/4" to maximum 1-5/8" annular space between pipe and periphery of opening is required. A 1/2" diameter (or smaller) electrical metallic tubing or steel conduit



ARCHITECTURE
PLANNING
INTERIOR DESIGN

JORGE A. DE LA LLAMA

STATE OF FLORIDA - AR0007707
STATE OF COLORADO - ARC.00494538

522 MADRID CORAL GABLES, FLORIDA 33134
(305) 461-5590
EMAIL: JADLARCH@AOL.COM

CONSULTANTS



JORGE A. DE LA LLAMA

STATE OF FLORIDA - AR0007707
STATE OF COLORADO - ARC.00494538

PROJECT NAME

**P8
PINECREST
EIGHT**

13100 SW 80TH AVE
PINECREST, FLORIDA 33156

FILE NAME

JUNCO RESIDENCE

DATE

DEC 16, 2024

REVISION DATE BY

DRAWING NAME

**ELECTRICAL
SECOND FLOOR
LIGHTING**

DESING BY:

ZECKY DA COSTA

DRAWN BY:

HUMBERTO LANTIGUA

SHEET NO.

E-2

TYPE	: SQUARE "D" or APPROVED EQUAL	PANEL "A"	RECEPTACLES (C. Entry, Exterior)	VOLTS	: 120/240V, 1Ø, 3W
MTG	: FLUSH MOUNTED		RECEPTACLES (Covered Terrace)	BUS	: 225 AMPS
MAIN	: M.L.O	CU BUS/GND. BUS [10K AIC]	RECEPTACLES OUT GFCI (C. Terrace, Exterior)	LOAD	: (SEE LOAD ANALYSIS)

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.		CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
50	2	12,000	Romex	6	A/C AHU #1 (A/C Closet) (")	1		2	SMALL APPLIANCE (Dining, Living room)	12	Romex	1,500	1	20
						3		4	SMALL APPLIANCE (Family Room)	12	Romex	1,500	1	20
40	2	7,500	Romex	8	A/C CU #1 (Exterior) (")	5		6	RECEPTACLES (Home Theater)	14	Romex	1,000	1	15
						7		8	RECEPTACLES (Home Theater, Guess Room)	14	Romex	1,000	1	15
50	2	12,000	Romex	6	A/C AHU #2 (A/C Closet) (")	9		10	RECEPTACLES (Guess Room, Flex Room)	14	Romex	1,000	1	15
						11		12	RECEPTACLES (Flex Room)	14	Romex	1,000	1	15
40	2	7,500	Romex	8	A/C CU #2 (Exterior) (")	13		14	RECEPTACLES OUT GFCI (C. Entry)	14	Romex	1,000	1	15
						15		16	RECEPTACLES OUT GFCI (C. Terrace)	14	Romex	1,000	1	15
20	1	1,225	Romex	12	DISHWASHER #1 GFI (Kitchen)	17		18	RECEPTACLES OUT GFCI (C. Terrace)	14	Romex	1,000	1	15
20	1	1,225	Romex	12	DISHWASHER #2 GFI (Kitchen)	19		20	RECEPTACLES (Ground FL. Int. Cams)	14	Romex	1,000	1	15
20	1	1,000	Romex	12	DISPOSAL (Kitchen) (GFI)	21		22	RECEPTACLES (Ground Int. Cams)	14	Romex	1,000	1	15
20	1	1,000	Romex	12	REFRIGERATOR (Kitchen)	23		24	RECEPTACLES OUT GFCI (Exterior Cams)	14	Romex	1,500	1	15
20	1	1,000	Romex	12	WINE (Kitchen)	25		26	RECEPTACLES OUT GFCI (Exterior Cams)	14	Romex	1,500	1	15
20	1	1,500	Romex	12	SMALL APPLIANCE (kitchen)	27		28	RECEPTACLES (Powder Room, Guess Bath) (GFI)	15	Romex	1,000	1	20
20	1	1,500	Romex	12	WASHER GFI (W/D Closet)	29		30	EXTERIOR LIGHTS (C. Entry, Ext. Garage and Sideal Joses)	15	Romex	1,500	1	14
40	2	7,500	Romex	8	DRYER (W/D Closet)	31		32	EXTERIOR LIGHTS (Covered Terrace)	15	Romex	1,500	1	14
						33		34	EXTERIOR LIGHTS (Covered Terrace)	15	Romex	1,500	1	14
15	1	1,000	Romex	14	RECEPTACLE (Laundry, Maid Room)	35		36	EXTERIOR LIGHTS (Covered Terrace)	15	Romex	1,500	1	14
20	1	1,000	Romex	14	RECEPTACLE (Maid Bath)(GFI)	37		38	SMOKE DETECTORS (Ground Floor)	15	Romex	1,500	1	14
						39		40	SPACE					
						41		42	SPACE					

NOTE: WHEN USE ROMEX CABLE FOR A/C IS RESTRICTED TO THE 60 DEGREE AMP (TABLE 310.16)
ROMEX CABLE IS ACCEPTABLE. WHEN USED FOR DRYER AND RANGE SHALL HAVE BOTH NEUTRAL AND GROUNDING CONDUCTORS. NEC 250-140

FEEDER : 3Ø1/0 WITH #6 GROUND IN 2" C.
FED FROM : SERVICE.
(*) PART OF THE 3 WATT PER SQ. FT. DEMAND LOAD
(**) NON CONCURRENT LOADS, HEATING IS LARGER)

TYPE	: SQUARE "D" or APPROVED EQUAL	PANEL "B"	RECEPTACLES (C. Entry, Exterior)	VOLTS	: 120/240V, 1Ø, 3W
MTG	: FLUSH MOUNTED		RECEPTACLES (Covered Terrace)	BUS	: 225 AMPS
MAIN	: M.L.O	CU BUS/GND. BUS [10K AIC]	RECEPTACLES OUT GFCI (C. Terrace, Exterior)	LOAD	: (SEE LOAD ANALYSIS)

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.		CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
20	1	1,500	Romex	20	DOOR O'PENER (Garage)	1		2	SPARE					
20	1	1,500	Romex	12	RECEPTACLE GARAGE	3		4	SPARE					
15	1	1,000	Romex	14	LIGHTING (Flex space, WIC, & Guess Bath)	5		6	RECEPTACLES (Laundry Room)(GFI)	14	Romex	1,000	1	20
15	1	1,000	Romex	14	LIGHTING (Guess Room)	7		8	RECEPTACLES (Master Bedroom)	14	Romex	1,000	1	15
15	1	1,000	Romex	14	LIGHTING (Theater Room)	9		10	RECEPTACLES (M. Bedroom W.I.C.)	14	Romex	1,000	1	15
15	1	1,000	Romex	14	LIGHTING (Family Room, Bar, Powder)	11		12	RECEPTACLES (M. Bath)(GFI)	14	Romex	1,000	1	20
15	1	1,000	Romex	14	LIGHTING (Entry Hall, Dining Room)	13		14	SMALL APPLIANCES (Family Room)	14	Romex	1,000	1	15
40	2	7,500	Romex	8	DRYER (W/D Closet)	15		16	RECEPTACLES (Bath #1)(GFI)	14	Romex	1,000	1	20
						17		18	RECEPTACLES (Bedroom #1)	14	Romex	1,000	1	15
40	2	7,500	Romex	8	STOVE	19		20	} GARAGE	10	3/4	3,500	2	30
						21		22						
15	1	720	Romex	-	SPARE	23		24	} GARAGE	10	3/4	3,500	2	30
15	1	1,000	Romex	14	LIGHTING (Kitchen, Pantry)	25		26						
15	1	1,000	Romex	14	LIGHTING (Laundry Room, Mads Room, Mads Bath)	27		28	} OVEN	8	3/4	7,500	2	40
15	1	1,000	Romex	14	LIGHTING (Garage, Stair)	29		30						
50	2	12250	Romex	6	A/C AHU #3 (A/C Closet) (")	31		32	SPARE			720	1	20
						33		34	RECEPTACLES (Bedroom #2)	14	Romex	1,000	1	15
40	2	7,368	Romex	8	A/C CU #3 (Exterior) (")	35		36	RECEPTACLES (Bedroom #2, Hall)	14	Romex	1,000	1	15
						37		38	RECEPTACLES (Bath #2, Bath #3)(GFI)	14	Romex	1,000	1	20
						39		40	RECEPTACLES (Bedroom #3)	14	Romex	1,000	1	15
						41		42	SPACE					

DEMAND LOAD: SEE LOAD CALCULATIONS

NOTE: WHEN USE ROMEX CABLE FOR A/C IS RESTRICTED TO THE 60 DEGREE AMP (TABLE 310.16)
ROMEX CABLE IS ACCEPTABLE. WHEN USED FOR DRYER AND RANGE SHALL HAVE BOTH NEUTRAL AND GROUNDING CONDUCTORS. NEC 250-140

FEEDER : 3Ø1/0 WITH #6 GROUND IN 2" C.
FED FROM : SERVICE.
(*) PART OF THE 3 WATT PER SQ. FT. DEMAND LOAD
(**) NON CONCURRENT LOADS, HEATING IS LARGER)

TYPE	: SQUARE "D" or APPROVED EQUAL	PANEL "C"	RECEPTACLES (C. Entry, Exterior)	VOLTS	: 120/240V, 1Ø, 3W
MTG	: FLUSH MOUNTED		RECEPTACLES (Covered Terrace)	BUS	: 225 AMPS
MAIN	: M.L.O	CU BUS/GND. BUS [10K AIC]	RECEPTACLES OUT GFCI (C. Terrace, Exterior)	LOAD	: (SEE LOAD ANALYSIS)

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.		CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
50	2	12000	Romex	6	A/C AHU #4 (A/C Closet) (")	1		2	RECEPTACLES (Bedroom #4)	14	Romex	1,000	1	15
						3		4	RECEPTACLES (Bedroom #4)	14	Romex	1,000	1	15
40	2	7,500	Romex	8	A/C CU #4 (Exterior) (")	5		6	RECEPTACLES (Bath #4)(GFI)	14	Romex	1,000	1	20
						7		8	RECEPTACLES OUT GFCI (Turf Terrace)	14	Romex	1,500	1	15
20	1	1,500	Romex	12	WASHER GFI (W/D Closet)	9		10	} DRYER (W/D Closet)	8	Romex	7500	2	40
						11		12						
40	2	7500	Romex	8	DRYER (W/D Closet)	13		14	WASHER GFI (W/D Closet)	12	Romex	1,500	1	20
15	1	720	Romex	-	SPARE	15		16	SPARE			720	1	20
15	1	720	Romex	-	SPARE	17		18	SPARE			720	1	20
15	1	720	Romex	-	SPARE	19		20	SPARE			720	1	20
15	1	720	Romex	-	SPARE	21		22	SPARE			720	1	20
15	1	720	Romex	-	SPARE	23		24	SPARE			720	1	20
15	1	720	Romex	-	SPARE	25		26	SPARE			720	1	20
15	1	720	Romex	-	SPARE	27		28	SPARE			720	1	20
						29		30	SPARE			720	1	20
						31		32	SPACE			720	1	20
						33		34	SPACE					
						35		36	SPACE					
						37		38	SPACE					
						39		40	SPACE					
						41		42	SPACE					

DEMAND LOAD: SEE LOAD CALCULATIONS

NOTE: WHEN USE ROMEX CABLE FOR A/C IS RESTRICTED TO THE 60 DEGREE AMP (TABLE 310.16)
ROMEX CABLE IS ACCEPTABLE. WHEN USED FOR DRYER AND RANGE SHALL HAVE BOTH NEUTRAL AND GROUNDING CONDUCTORS. NEC 250-140

FEEDER : 3Ø1/0 WITH #6 GROUND IN 2" C.
FED FROM : SERVICE.
(*) PART OF THE 3 WATT PER SQ. FT. DEMAND LOAD
(**) NON CONCURRENT LOADS, HEATING IS LARGER)

NOTE:	NOTE:	NOTE:
SMOKE DETECTORS SHALL NOT BE CLOSER THAN 3" FROM AIR REGISTER & BATH DOOR AND 20" FROM COOKING APPLIANCES.	PROVIDE CONDUIT FOR INTERNET & DSL HIGH SPEED AND CABLE FOR TV THAT MEETS HDTV REQUIREMENTS.	ALL ELECTRICAL RECEPTACLES TO BE TAMPER RESISTANT TYPE. AS PER NEC 2023 406.12 PROVIDE ARC / FAULT CIRCUIT-INTERRUPTER PROTECTION FOR ALL AREAS. AS PER NEC 210.12
PADDLE FANS EXCEEDING 35 LBS. WITH OR WITHOUT ACCESSORIES SHALL BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX. (TYP.)	SMOKE DETECTORS SYSTEM TO BE INSTALLED IN ACCORDANCE W/ NFPA 72-99	LIGHTING NOTE: NOT LESS THAN 90% OF THE LAMPS SHALL HAVE AN EFFICACY OF AT LEAST 45 LUMENS / W OR NOT LESS THAN 65 LUMENS / W

TYPE	: SQUARE "D" or APPROVED EQUAL	PANEL "D"	RECEPTACLES (C. Entry, Exterior)	VOLTS	: 120/240V, 1Ø, 3W
MTG	: FLUSH MOUNTED		RECEPTACLES (Covered Terrace)	BUS	: 225 AMPS
MAIN	: M.L.O	CU BUS/GND. BUS [10K AIC]	RECEPTACLES OUT GFCI (C. Terrace, Exterior)	LOAD	: (SEE LOAD ANALYSIS)

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.		CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
15	1	1,000	Romex	14	LIGHTING (Master Bedroom, W.I.C.)	1		2	LIGHTING (Bedroom #1, W.I.C., Bath #1)	14	Romex	1,000	1	15
15	1	1,000	Romex	14	LIGHTING (Master Bathroom)	3		4	LIGHTING (Bedroom #2, W.I.C., Bath #2)	14	Romex	1,000	1	15
15	1	1,000	Romex	14	LIGHTING (2nd Floor Family Room, Laundry Room)	5		6	LIGHTING (Bedroom #3, W.I.C., Bath #3)	14	Romex	1,000	1	15
15	1	720	Romex	-	SPARE	7		8	LIGHTING (Bedroom #4, W.I.C., Bath #4)	14	Romex	1,000	1	15
15	1	720	Romex	-	SPARE	9		10	LIGHTING (Hall)	14	Romex	1,000	1	15
15	1	720	Romex	-	SPARE	11		12	LIGHTING (Exterior Lights)	14	Romex	1,000	1	15
15	1	720	Romex	-	SPARE	13		14	LIGHTING (Turf Terrace)	14	Romex	1,000	1	15
15	1	720	Romex	-	SPARE	15		16	SPARE			720	1	20
15	1	1,000	Romex	14	LIGHTING (Turf Balcony)	17		18	SPARE			720	1	20
15	1	1,500	Romex	14	SMOKE DETECTORS (Second Floor)	19		20	SPARE			720	1	20
15	1	1,500	Romex	14	SMOKE DETECTORS (Second Floor)	21		22	SPARE			720	1	20
					SPACE	23		24	SPARE			720	1	20
					SPACE	25		26	SPARE			720	1	20
					SPACE	27		28	SPACE					
					SPACE	29		30	SPACE					
					SPACE	31		32	SPACE					
					SPACE	33		34	SPACE					
					SPACE	35		36	SPACE					
					SPACE	37		38	SPACE					
					SPACE	39		40	SPACE					
					SPACE	41		42	SPACE					

DEMAND LOAD: SEE LOAD CALCULATIONS

NOTE: WHEN USE ROMEX CABLE FOR A/C IS RESTRICTED TO THE 60 DEGREE AMP (TABLE 310.16)
ROMEX CABLE IS ACCEPTABLE. WHEN USED FOR DRYER AND RANGE SHALL HAVE BOTH NEUTRAL AND GROUNDING CONDUCTORS. NEC 250-140

FEEDER : 3Ø1/0 WITH #6 GROUND IN 2" C.
FED FROM : SERVICE.
(*) PART OF THE 3 WATT PER SQ. FT. DEMAND LOAD
(**) NON CONCURRENT LOADS, HEATING IS LARGER)

TYPE	: SQUARE "D" or APPROVED EQUAL	PANEL "P"	RECEPTACLES (C. Entry, Exterior)	VOLTS	: 120/240V, 1Ø, 3W
MTG	: FLUSH MOUNTED		RECEPTACLES (Covered Terrace)	BUS	: 225 AMPS
MAIN	: M.L.O	CU BUS/GND. BUS [10K AIC]	RECEPTACLES OUT GFCI (C. Terrace, Exterior)	LOAD	: (SEE LOAD ANALYSIS)

AMPS	POLES	TOTAL V.A.	COND SIZE+	WIRE	REMARKS	CKT. NO.		CKT. NO.	REMARKS	WIRE	COND SIZE+	TOTAL V.A.	POLES	AMPS
					SPARE	1		2	SPARE			720	1	20
					SPARE	3		4	SPARE			720	1	20
								6	SPARE			720	1	20
								8	SPARE			720	1	20
								10	SPARE			720	1	20
20	2	2250	Romex	12	IRRIGATION PUMP	9		12	SPARE			720	1	20
15	1	720	Romex	-	SPARE	11		15	1	720	Romex	-	SPARE	13
15	1	720	Romex	-	SPARE	15		17	1	720	Romex	-	SPARE	19
15	1	720	Romex	-	SPARE	21		23	1	720	Romex	-	SPARE	25
					SPACE	27		29						
					SPACE	31		33						