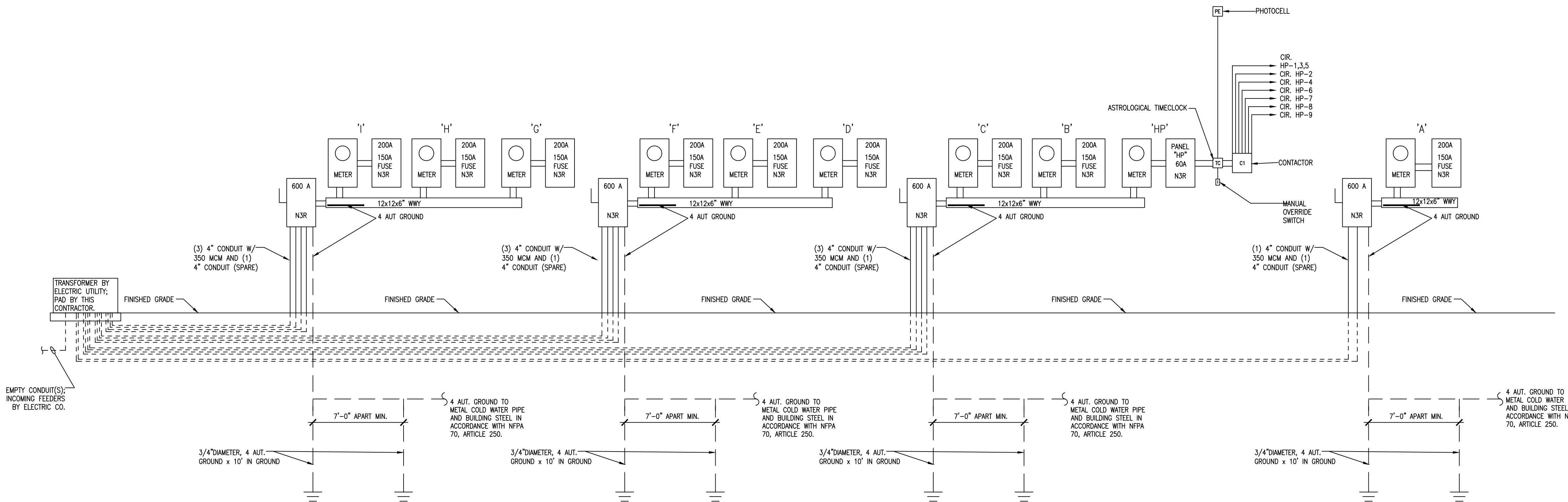


ELECTRICAL SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHTING FIXTURE - LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	INCANDESCENT OR HID LIGHTING FIXTURE. LETTER(S) DENOTE TYPE. SEE LIGHTING FIXTURE SCHEDULE.
	REMOTE MOUNTED EMERGENCY LIGHT - SEE LIGHTING FIXTURE SCHEDULE.
	"LED" EXIT AND EMERGENCY COMBO LIGHT WITH BATTERY PACK. DARKENED QUADRANT INDICATES ILLUMINATED FACES.
	LIGHTING AND APPLIANCE PANELBOARD - SEE RESPECTIVE PANELBOARD SCHEDULE.
	BRANCH CIRCUIT CONDUIT RUN EXPOSED ON STRUCTURE. ARROWS INDICATE CIRCUIT HOMERUNS. HASHMARKS INDICATE NUMBER OF CONDUCTORS, REVERSE HASHMARK INDICATES GROUND CONDUCTOR. ABSENCE OF HASHMARKS INDICATES TWO CONDUCTORS AND GROUND. GROUND CONDUCTORS SHALL BE RUN IN EACH CONDUIT WITH PHASE, NEUTRAL AND/OR SWITCH LEG CONDUCTORS. "LP" DENOTES PANELBOARD SERVING CIRCUITS, "1,3,5" INDICATES CIRCUIT BREAKER SPACES IN PANELBOARD. SEE RESPECTIVE PANEL CIRCUIT SCHEDULE. MINIMUM CONDUCTOR SIZE = #12 AWG.
	DISCONNECT (SAFETY) SWITCH - SIZE AND TYPE AS NOTED. TOP OF SWITCH 6"-6" A.F.F. MAX.
	ELECTRIC MOTOR - SEE RESPECTIVE EQUIPMENT SCHEDULE.
	20A, 120/277 VAC SINGLE POLE TOGGLE SWITCH - SURFACE MOUNTED 48" A.F.F. UNLESS NOTED OTHERWISE.
	20A, 125 VAC 2P, 3W, GROUNDING TYPE, DUPLEX RECEPTACLE. SURFACE MOUNTED MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE.
	20A, 125 VAC 2P, 3W, GROUND FAULT INTERRUPTING TYPE, DUPLEX RECEPTACLE. FLUSH WALL MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE.
	JUNCTION BOX. MINIMUM SIZE 4" SQUARE X 2-1/8" DEEP WITH COVER PLATE. FLUSH WALL MOUNTED 18" A.F.F. UNLESS NOTED OTHERWISE.
	INDICATES DEVICE OR BOX WITH WEATHER-PROOF OUTLET BOX AND COVER PLATE.
SYMBOLS NOTES:	
1. MOUNTING HEIGHTS ARE FROM THE CENTER LINE OF THE DEVICE.	
2. ALL SINGLE GANG AND TWO GANG DEVICES SHALL USE A 4" SQ. BOX WITH EXTENSION RING.	
3. ALL MULTI-GANG DEVICES SHALL USE A COMMON COVER PLATE.	
4. ALL WIRING DEVICES (i.e. SWITCHES, RECEPTACLES, TELEPHONE OUTLETS (ETC.) AND THEIR COVER PLATES SHALL BE IVORY.	
5. A.F.F. INDICATES MOUNTING HEIGHT ABOVE FINISHED FLOOR.	

PANEL "HP" CIRCUIT SCHEDULE															
VOLTAGE: 120/208 VOLT, 3 PHASE, 4 WIRE; 60 AMP MAIN CIRCUIT BREAKER; SURFACE MOUNTED; TOP FEED; ALL BUSING SHALL BE COPPER; PROVIDE WITH GROUND BAR.															
LOAD DESCRIPTION	COND. SIZE	WIRE SIZE GND	WIRE SIZE NEU	BREAKER POLE	SPC. BREAKER	CONNL. LOAD (KVA)	NO.	AMP	POLE	WIRE SIZE #	COND. SIZE	LOAD DESCRIPTION			
PARKING LOT LIGHTING	3/4"	10	10	3	20	3	1	1.07	2	20	1	10	10	3/4"	FLOOD LIGHTS (SIGN)
CANDY LIGHTS	1/2"	12	12	1	20	7	1	1.07	4	20	1	12	12	1/2"	WALL SCONCES
CANDY LIGHTS	1/2"	12	12	1	20	9	1	1.07	6	20	1	12	12	1/2"	WALL SCONCES
RECEPTACLES	1/2"	12	12	1	20	11	1	1.42	8	20	1	12	12	1/2"	COLUMN SCONCES
SPARE BREAKER	-	-	-	-	1	20	13	0.40	10	20	1	12	12	1/2"	IRRIGATION CONTROLS
SPARE BREAKER	-	-	-	-	1	20	15	0.10	12	20	1	12	12	1/2"	TIMECLOCK, PE CELL, CONTACTOR
SPARE BREAKER	-	-	-	-	1	20	17	-	14	20	1	-	-	-	SPARE BREAKER
SPARE SPACE	-	-	-	-	1	20	19	-	16	20	1	-	-	-	SPARE BREAKER
SPARE SPACE	-	-	-	-	1	20	21	-	18	20	1	-	-	-	SPARE BREAKER
SPARE SPACE	-	-	-	-	1	20	23	-	20	-	-	-	-	-	SPARE SPACE
SPARE SPACE	-	-	-	-	1	20	25	-	22	-	-	-	-	-	SPARE SPACE
SPARE SPACE	-	-	-	-	1	20	27	-	24	-	-	-	-	-	SPARE SPACE
					LOAD PER PHASE		2.52		3.64		2.62				

ELECTRICAL LOAD ANALYSIS FOR PANEL "HP"			
LOAD DESCRIPTION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	8.05	1.25	10.06
SIGN	0.13	1.25	0.16
RECEPTACLES (FIRST 10 KVA OR LESS)	0.60	1.00	0.60
TOTAL	8.78		10.82
10.82 KVA @ 120/208/3 => 30.06 AMPS			
USE 60 AMP, 120/208/3 SERVICE.			
** - LARGER LOAD USED PER NEC 220-21			

LIGHTING FIXTURE SCHEDULE					
MARK	MANUFACT.	CATALOG NUMBER	LAMPS	MOUNTING	REMARKS
HA	CAPRI	CM6M100C-V65SL	1 - 100W MH OPEN RATED	RECESS/CANOPY	6" HID EXTERIOR DOWNLIGHT
HB	GARCO	101W175MHWP	1 - 175W MH	SURFACE/WALL @ 10'-0" A.F.F.	EXTERIOR WALL SCONCE
HC	WINONA	5305-WL-18-MH50-120 OA-PEW-IMB	1 - 50W MH ED17/MED	SURFACE/COLUMN @ 7'-0" A.F.F. TO CENTER	EXTERIOR WALL SCONCE
HD1	EMCO	ECA18-1-3H-400MH-208-BRP-HS SSS-25-4-7-D1-BRP	1 - 400W MH	POLE MOUNTED @ 28'-0" A.F.F.	
HD2	EMCO	ECA18-2-3H-400MH-208-BRP SSS-25-4-7-D2-BRP	2 - 400W MH	POLE MOUNTED @ 28'-0" A.F.F.	
A	DAYBRITE	2T08432-F512-1/4EB-E7	4 - F32T8	RECESS/GRID	2X4 LAY-IN FLUORESCENT
AE	DAYBRITE	2T08432-F512-120-1/4EB-E7	4 - F32T8	RECESS/GRID	2X4 LAY-IN FLUORESCENT W/ BATT. BACK
B	DAYBRITE	SWB232-A-120-1/2EB	2 - F32T8	SURFACE/WALL	4" SQUARE WALL BRACKET
C	DAYBRITE	SWB225-A-120-1/2EB	2 - F25T8	SURFACE/WALL	3" SQUARE WALL BRACKET
EXE	McPHILBEN	CCTXR1RW1H	EXIT L.E.D. EMER. 6 WATT HALOGEN (AS SUPPLIED)	SURFACE/WALL	EXIT/EMERG. REMOTE MTD. 12W
EMR	McPHILBEN	CR1CSWD	1 - 6 WATT HALOGEN (AS SUPPLIED)	SURFACE/WALL	REMOTE MTD. EMERG. HEAD
FL	BRONZELITE	FL7232F-120V	2 - 32W T8	GROUND MTD. PER MANUF. SPECS.	



1 ELECTRICAL RISER DIAGRAM
E-3 SCALE: N.T.S.

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BUILDING SHELL FOR GAUSE RETAIL CENTER
Gause Boulevard Slidell, Louisiana

DATE:
07.05.11
PROJECT No:
11008
DRAWING:

E3.0