

IRRIGATION SYSTEM REQUIREMENTS
 PROVISIONS FOR LOAD CONTROL DEVICES
 SHALL BE REQUIRED ON ALL NEW
 INSTALLATIONS AS FOLLOWS:

EQUIPMENT

NOBLE REMC WILL FURNISH IRR PUMP SWITCH IN A JUNCTION BOX. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE WIRING AND MOUNT EQUIPMENT AND WIRE COMPLETE TO THE MOTOR STARTER.

WIRING

(1) RED #12 AWG THW FOR +120V POWER
 (1) BLACK #12 AWG THW SWITCHED
 (1) WHITE #12 AWG THW TO NEUTRAL WIRES TERMINATED ON IRR PUMP SWITCH.

OPERATIONAL

1. WHEN RED IS 0 VOLTS IRRIGATION SYSTEM SHALL SHUT DOWN
 2. WHEN RED IS 120 VOLTS IRRIGATION SYSTEM SHALL BE CAPABLE OF RUNNING.

NOBLE REMC

STANDARDS FOR C/T METER INSTALLATIONS

SERVICE SIZE	C/T CABINET SIZE	TERMINAL BLOCKS
SINGLE PHASE SERVICE		
600A	30"x30"x12"	AL-P2-P2
THREE PHASE SERVICE		
200A	30"x30"x12"	AM-P1-P1
400A	36"x36"x12"	AM-R1-R1
600A	36"x36"x12"	AL-P2-P2
800A	48"x48"x12"	AL-R2-R2

EQUIPMENT

A. C/T CABINETS SHALL BE FURNISHED BY THE MEMBER WITH PADLOCK HASP, CAPTIVE HINGED DOOR, AND INTERNALLY MOUNTED PLYWOOD PANEL.

B. TERMINAL BLOCKS SHALL BE FURNISHED AND INSTALLED BY THE MEMBER EQUAL TO THE NSI MODEL NUMBERS LISTED. CONNECTORS SHALL BE SUITABLE FOR AL/CU CONDUCTORS.

GENERAL

SERVICE MUST BE APPROVED BY THE COUNTY BUILDING DEPARTMENT PRIOR TO CONNECTION BY REMC.

INSTALLATION SHALL MEET THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE.

ITEMS

- ① METER BASE FURNISHED BY NOBLE REMC. INSTALLED BY MEMBER.
- ② C/T CABINET FURNISHED AND INSTALLED BY MEMBER WITH A WEATHER TREATED 5/8" THICK PLYWOOD BOARD IN CABINET.
- ③ INSULATED TERMINAL BLOCKS FURNISHED AND INSTALLED BY MEMBER. SPACED 8" O.C. THREE REQUIRED FOR SINGLE PHASE, AND FOUR REQUIRED FOR THREE PHASE SERVICES.
- ④ THE MEMBER SHALL FURNISH AND INSTALL (2) 4" PVC SCHEDULE 80 CONDUITS WITH PULL WIRE COMPLETE TO SERVICE POINT.
- ⑤ CURRENT TRANSFORMERS FURNISHED AND INSTALLED BY NOBLE REMC SPACED 8" ON CENTER.
- ⑥ SERVICE AND METER WIRING FURNISHED AND INSTALLED BY NOBLE REMC.
- ⑦ MEMBER FURNISHED AND INSTALLED SERVICE ENTRANCE CONDUCTORS.
- ⑧ UNBROKEN #6 GROUND WIRE TO BOND ALL METERING EQUIPMENT WITH A GROUNDING CONDUCTOR CONNECTED TO THE GROUND BAR OF THE CUSTOMER SERVICE ENTRANCE.
- ⑨ CASE GROUNDING LUG
- ⑩ THE MEMBER SHALL FURNISH AND INSTALL A 1" CONDUIT BETWEEN THE C/T CABINET AND THE METER BASE.

