

PART 1 - GENERAL

1.1 RELATED WORK .1 Electrical General Requirements: Section 26 05 00

1.2 SHOP DRAWINGS AND PRODUCT DATA .1 Submit shop drawings and product data in accordance with Section 01 33 00.

PART 2 - PRODUCTS

2.1 DISCONNECT SWITCHES .1 Heavy duty, fusible and non-fusible horsepower rated, disconnect switch in size and voltage as indicated.

.2 Provision for padlocking in the off switch position by three (3) pad locks.

.3 Mechanically interlocked door to prevent opening when handle in ON position.

.4 Fuses: size and type as indicated.

.5 Fuseholders: suitable without adaptors, for type and size of fuse indicated.

.6 Quick-make, quick-break action.

.7 ON-OFF switch position indication on switch enclosure cover.

.8 Provide equipment identification in accordance with Section 26 05 00.

.9 Switches to be stainless steel NEMA enclosure type 4X unless noted otherwise. Switches located in electrical rooms and other dry areas must be of NEMA 12 construction.

.10 Provide switches with window to view open/close status of disconnect switch blades.

.11 Provide local disconnect switches serving motors controlled by VFD and soft starters complete with one (1) N.O. and one (1) N.C. auxiliary contact (10A @ 120 VAC). Auxiliary contacts to make after and break before main switch contacts.

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| 2.1 DISCONNECT SWITCHES<br>(Cont'd) | .12 Acceptable manufacturers: Square D, Cutler Hammer, Siemens.  |
| 2.2 MANUAL TRANSFER SWITCH          | .1 Double-Throw Safety Switch.   |
|                                     | .2 Triple padlocking capability. Two (2) on door and up to three (3) 9mm (3/8") shank locks in 'OFF' (centre) handle position.                 |
|                                     | .3 Four (4) pole.  |
|                                     | .4 The handle operating mechanism actuates either the upper or lower switch. When the handle is in the centre position, both switches are OFF. |
|                                     | .5 The handle and door are interlocked to keep the door closed when a switch is ON and hold the handle OFF when the door is open.              |
|                                     | .6 Heavy duty rated.   |
|                                     | .7 Sprinkler proof enclosure.  |

### PART 3 - EXECUTION

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| 3.1 DISCONNECT SWITCH INSTALLATION | .1 Install disconnect switches complete with fuses, type, rating as indicated on drawings. |
|                                    | .2 Install true, plumb and square to building lines.                                       |
|                                    | .3 Confirm disconnect switch has proper clearance for operation of handle.                 |