| POWER DEVICES | | |
|-------------------|--|--|
| SYMBOL | DESCRIPTION | |
| | BRANCH CIRCUIT PANEL BOARD | |
| | DISTRIBUTION PANEL BOARD | |
| 9 | TWO BUTTON START-STOP CONTROL BOX | |
| Ū. | THREE BUTTON START-STOP CONTROL BOX | |
| • | CEILING MOUNTED JUNCTION BOX | |
| Ψ | WALL MOUNTED JUNCTION BOX | |
| D L. | JUNCTION BOX W/ FLEXIBLE CONDUIT | |
| \$T \$T ① OR ② | TOGGLE DISCONNECT SWITCH WITH THERMAL OVERLOAD RELAY | |
| ŤďœŤŢ | TOGGLE DISCONNECT SWITCH WITH THERMAL OVERLOAD RELAY AND FLEXIBLE CONDUIT | |
| B | PROGRAM SYSTEM BELL | |
| M | UTILITY METER | |
| <u>©</u> | PUSH BUTTON — ELECTRIC DOOR STRIKE | |
| ß | DOOR BUZZER | |
| <u>C</u> | DOOR CHIME | |
| DB | DOOR BELL | |
| TC | TIME CLOCK | |
| C | CONTACTOR | |
| 라 | NON-FUSED DISCONNECT SWITCH | |
| E | FUSED DISCONNECT SWITCH | |
| ⊠ | COMBINATION MOTOR STARTER WITH NON-FUSED DISCONNECT SWITCH | |
| ⊠ ^L | COMBINATION MOTOR STARTER WITH FUSED DISCONNECT SWITCH | |
| × | MAGNETIC MOTOR STARTER | |
| Ð | HAIR DRYER | |
| 뽀 | HAND DRYER | |
| ٩ | FLEXIBLE CONNECTION TO EQUIPMENT | |
| PP ± | PUSH PLATE | |
| | • | |

| SWITCHES | | |
|-------------------------|----------------------------------|--|
| SYMBOL | DESCRIPTION | |
| \$ | SINGLE POLE SWITCH | |
| \$ ^K | KEY OPERATED SWITCH | |
| \$ ² | DOUBLE POLE SWITCH | |
| \$ ^{3W} | THREE WAY SWITCH | |
| \$ ^{4W} | FOUR WAY SWITCH | |
| \$ ^T | THERMAL OVERLOAD SWITCH | |
| \$ ^P | SINGLE POLE SWITCH W/ PILOT LITE | |
| \$ ^D | DIMMER SWITCH | |
| \$ ST | SWITCH W/ INTEGRAL TIMER | |
| \$ ^W | WIRE MOLD FITTING SWITCH | |
| \$ ^F | FUSIBLE DISCONNECT SWITCH | |
| \$ ^{MC} | MOMENTARY CONTACT SWITCH | |
| X \$ | REMOTE LIGHT W/ KEY TEST SWITCH | |
| OS | OCCUPANCY SENSOR | |
| <u></u> | EMERGENCY POWER OFF-PUSH-BUTTON | |

| FIRE ALARM | | | |
|---------------------|---|--|--|
| SYMBOL | DESCRIPTION | | |
| À | DOOR MOUNTED MAGNETIC HOLD OPEN DEVICE | | |
| FCP | FIRE ALARM CONTROL PANEL | | |
| FAA | FIRE ALARM ANNUNCIATOR PANEL | | |
| S | MANUAL PULL STATION | | |
| (AV) | WALL MOUNTED AUDIO/VISUAL DEVICE | | |
| PS | PRE-SIGNAL CHIME WITH VISUAL SIGNAL | | |
| D | CEILING MOUNTED HEAT DETECTOR | | |
| SD | CEILING MOUNTED SMOKE DETECTOR | | |
| WF | WATER FLOW SWITCH | | |
| VSS | VALVE SUPERVISORY SWITCH | | |
| DC | DOOR CLOSURE | | |
| (RA) | REMOTE INDICATOR LAMP | | |
| $\langle V \rangle$ | VISUAL DEVICE | | |
| DD | DUCT MOUNTED SMOKE DETECTOR | | |
| RSP | RESCUE ASSISTANCE PANEL | | |
| RS | RESCUE ASSISTANCE STATION | | |
| D _{FT} | CEILING MOUNTED FIXED TEMPERATURE HEAT DETECTOR | | |
| R | FAN SHUTDOWN RELAY | | |
| [KB] | KNOX BOX | | |
| A | AUDIO DEVICE | | |

| DISCONNECT SWITCH WITH THERMAL OVERLOAD RELAY MOTOR W/ DISCONNECT | MOTOR | |
|--|------------|--|
| FRACTIONAL HORSEPOWER MOTOR TOGGI DISCONNECT SWITCH WITH THERMAL OVERLOAD RELAY MOTOR W/ DISCONNECT MOTOR W/ COMBO MOTOR STARTER & NON-FUSED DISCONNECT SWITCH | SYMBOL | DESCRIPTION |
| DISCONNECT SWITCH WITH THERMAL OVERLOAD RELAY MOTOR W/ DISCONNECT MOTOR W/ COMBO MOTOR STARTER & NON-FUSED DISCONNECT SWITCH | \Diamond | MOTOR |
| MOTOR W/ COMBO MOTOR STARTER & NON-FUSED DISCONNECT SWITCH | C OT | |
| NON−FUSED DISCONNECT SWITCH | Ċå | MOTOR W/ DISCONNECT |
| CEILING FAN | \$< | MOTOR W/ COMBO MOTOR STARTER & NON-FUSED DISCONNECT SWITCH |
| · · · | \times | CEILING FAN |

| EXIT LIGHTING | |
|----------------------|---|
| SYMBOL | DESCRIPTION |
| lacktriangle | EXIT SIGN |
| • | DOUBLE FACE EXIT SIGN |
| $\uparrow \otimes$ | SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROW |
| $\downarrow \otimes$ | SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROW |
| † ⊗ | SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS |
| †⊕† | DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS |
| * | DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS |

| | PA/CLOCK |
|------------------------------------|--|
| SYMBOL | DESCRIPTION |
| \$ | WALL MOUNTED LOUD SPEAKER |
| CCP | CLOCK & PROGRAM CONTROL PANEL |
| Φ | WALL MOUNTED AUXILIARY INPUT JACK |
| (4) | WALL MOUNTED MICROPHONE OUTLET |
| (M) | FLOOR MOUNTED MICROPHONE OUTLET |
| ${\displaystyle _{igoplus}^{f w}}$ | WALL MOUNTED INTERCOM STATION |
| <u></u> | WALL MOUNTED SPEAKER |
| <u></u> | RECESSED CEILING SPEAKER |
| ₩© | COMBO SPEAKER/CLOCK |
| СТС | CLASSROOM COMBINATION ANALOG CLOCK AND TELECOMMUNICATION CENTER |
| Θ ₁ | WALL MOUNTED CLOCK |
| © | CEILING MOUNTED CLOCK |
| \PSi | WALL MOUNTED VOLUME CONTROL |
| SCS | COMBINATION WALL MOUNTED SPEAKER AND CALL SWITCH IN 3-GANG BOX |
| 守 | CALL SWITCH |
| <u>(S)</u> | LOCAL SOUND SYSTEM SPEAKER |
| <u>S</u> | PA/INTERCOM SYSTEM SPEAKER |
| 막 | LCD PROJECTOR CONTROL STATION |
| | |

| ABOVE COUNTER RECEPTACLES | |
|---------------------------|--|
| SYMBOL | DESCRIPTION |
| \ | DUPLEX RECEPTACLE |
| \$ | FOURPLEX RECEPTACLE |
| * | DUPLEX ISOLATED GROUND RECEPTACLE |
| * | FOURPLEX ISOLATED GROUND RECEPTACLE |
| ± | DUPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| * | FOURPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| ⊕ | DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER FEATURE |
| \ | SWITCHED DUPLEX RECEPTACLE |
| <u>+</u> | SIMPLEX RECEPTACLE |

| FLUSH IN | FLOOR RECEPTACLES |
|-----------|--|
| SYMBOL | DESCRIPTION |
| \$ | DUPLEX RECEPTACLE |
| | FOURPLEX RECEPTACLE |
| 8 | DUPLEX ISOLATED GROUND RECEPTACLE |
| ## | FOURPLEX ISOLATED GROUND RECEPTACLE |
| • | DUPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| 8 | FOURPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| • | DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER FEATURE |
| ₩ | SWITCHED DUPLEX RECEPTACLE |
| Φ. | SIMPLEX RECEPTACLE |
| 8 | TV OUTLET |
| \$ | TV OUTLET AND DUPLEX RECEPTACLE |

| P | POKE THRU RECEPTACLES | |
|----------|-----------------------|--|
| SYME | 30L | DESCRIPTION |
| 9 |) I | DUPLEX RECEPTACLE |
| |))] | FOURPLEX RECEPTACLE |
| # |) | DUPLEX ISOLATED GROUND RECEPTACLE |
| |) | FOURPLEX ISOLATED GROUND RECEPTACLE |
| <u> </u> |) I | DUPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| | | FOURPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| 9 |) 1 | DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER FEATURE |
| d |) l | SWITCHED DUPLEX RECEPTACLE |
| 0 |) | SIMPLEX RECEPTACLE |
| 0 |) | TV OUTLET |
| 6 |) | TV OUTLET AND DUPLEX RECEPTACLE |

| SYMBOL | DESCRIPTION |
|---------------|--|
| Ф | DUPLEX RECEPTACLE |
| * | FOURPLEX RECEPTACLE |
| 4 | DUPLEX ISOLATED GROUND RECEPTACLE |
| ** | FOURPLEX ISOLATED GROUND RECEPTACLE |
| • | DUPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| 8 | FOURPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| • | DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER FEATURE |
| • | SWITCHED DUPLEX RECEPTACLE |
| Ф | SIMPLEX RECEPTACLE |
| 0 | TV OUTLET |
| B | TV OUTLET AND DUPLEX RECEPTACLE |

CEILING MOUNTED RECEPTACLES

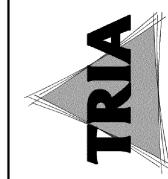
| WALL MOUNTED RECEPTACLES | |
|--------------------------|--|
| SYMBOL | DESCRIPTION |
| Φ | DUPLEX RECEPTACLE |
| # | FOURPLEX RECEPTACLE |
| # | DUPLEX ISOLATED GROUND RECEPTACLE |
| # | FOURPLEX ISOLATED GROUND RECEPTACLE |
| Φ | DUPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| 8 | FOURPLEX RECEPTACLE FOR CRITICAL DISTRIBUTION SYSTEM |
| Ф | DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER FEATURE |
| Ф | SWITCHED DUPLEX RECEPTACLE |
| Φ | SIMPLEX RECEPTACLE |
| ® | TV OUTLET |
| \$ | TV OUTLET AND DUPLEX RECEPTACLE |

| SPECIALTY RECEPTACLES | | |
|-----------------------|---|--|
| SYMBOL | DESCRIPTION | |
| 9 | SPECUAL WALL MOUNTED RECEPTACLE | |
| (R) | FOUR CEILING MOUNTED RETRACTABLE RECEPTACLES | |
| Φ^{TR} | TAMPER RESISTANT DUPLEX RECEPTACLE | |

| TELEPHONE AND DATA | | | |
|--------------------|--------------------------|-----------------------------------|--|
| | | WALL MOUNTED | |
| • | | TELEPHONE OUTLET | |
| 区 | | DATA OUTLET | |
| Ā | | COMBINATION PHONE AND DATA OUTLET | |
| | | FLUSH IN FLOOR | |
| 8 | | TELEPHONE OUTLET | |
| 8 | | DATA OUTLET | |
| 8 | | COMBINATION PHONE AND DATA OUTLE | |
| | ABOVE FLOOR OR POKE THRU | | |
| • | | TELEPHONE OUTLET | |
| ¥ | | DATA OUTLET | |
| X | | COMBINATION PHONE AND DATA OUTLET | |
| | | CEILING MOUNTED | |
| ▼ | | TELEPHONE OUTLET | |
| ▽ | | DATA OUTLET | |
| 4 | | COMBINATION PHONE AND DATA OUTLET | |
| | | ABOVE COUNTER | |
| - | | TELEPHONE OUTLET | |
| ₩ | | DATA OUTLET | |
| 4 | | COMBINATION PHONE AND DATA OUTLET | |
| | | PAY PHONES | |
| ▼ 1 | 1 | HANDICAPPED PAY-PHONE OUTLET | |
| • | | PAY-PHONE OUTLET | |

| ABBREVIATION | DENOTES | |
|--------------|---|--|
| AF | AMPERE FUSE | |
| AFF | ABOVE FINISHED FLOOR | |
| AFG | ABOVE FINISHED GRADE | |
| AT | AMPERE TRIP | |
| ATS | AUTOMATIC TRANSFER SWITCH | |
| C/B | CIRCUIT BREAKER | |
| CCT | CIRCUIT | |
| COM ED | COMMON WEALTH EDISON | |
| с/т | CURRENT TRANSFORMER | |
| CU | COPPER | |
| EC | ELECTRICAL CONTRACTOR | |
| EM | EMERGENCY POWER DEVICE | |
| FPC | FIRE PROTECTION SYSTEM CONTRACTOR | |
| GC | GENERAL CONTRACTGOR | |
| GFCI | GROUND FAULT CIRCUIT INERRUPTER | |
| GRD | GROUND | |
| KWH | KILOWATT HOUR | |
| МС | MECHANICAL CONTRACTOR | |
| MCC | MOTOR CONTROL CENTER | |
| MTS | MANUAL TRANSFER SWITCH | |
| NL | NIGHT LIGHT BRANCH CIRCUIT FIXTURE WITH CIRCUIT BREAKER LOCK-ON | |
| PC | PLUMBING CONTRACTOR | |
| P/T | POTENTIAL TRANSFORMER | |
| TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION | |
| UON | unless otherwise noted | |
| VIF | VERIFY IN FIELD | |
| WP | WEATHERPROOF ENCLOSURED EQUIPMENT | |
| ХР | EXPLOSION PROOF DEVICE OR EQUIPMENT | |
| | | |

ABBREVIATIONS LIST



MEP/FP. CONSULTANT

(P) 6:30:538,1936

789 HERRILAND DR., UNIT A SUGAR GROOF, ILLINDS 60554

5 TRUCTURAL ENGINEER

5 TRUCTURAL ENGINEER

5 TRUCTURAL ENGINEER

5 TRUCTURAL ENGINEER

6 TO 841.188:5208

6 TO N HEIGHTS, IL 60005

TOS HEATLAND DR, UNIT A SUGAR CROME

21 SOUTH EVERGREEN, SUITE 200

ARLINGTON HEIGHTS, IL 60005

2018 MAIN OFFICE RENOVATIONS AT:
CHESTERTON MIDDLE SCHOOL (CMS)
W. MORGAN AVENUE, CHESTERTON, INDIAN,

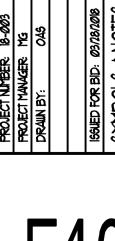
TNUMBER: 18-003 REVISIONS.

MANAGER: MG

SY: OAS

OR BID: 03/28/20/8

OLS & NOTES -





EXPIRES 07/31/2018