

DETAIL NOTES

- PROVIDE TWO SPARE DEVICE POINTS FOR EACH (16 POINT) NETWORK CONTROLLER INSTALLED (PEGASYS).
- INTRUSION ALARM POINTS IN NEW BUILDING ARE TO BE RUN TO DSC SUB PANEL. POINTS IN EXISTING BUILDING ARE TO BE RUN TO EXISTING MODIFIED DSC PANEL.



INTRUSION SYSTEM (ADT) CONTROL LOCATIONS SCHEDULE

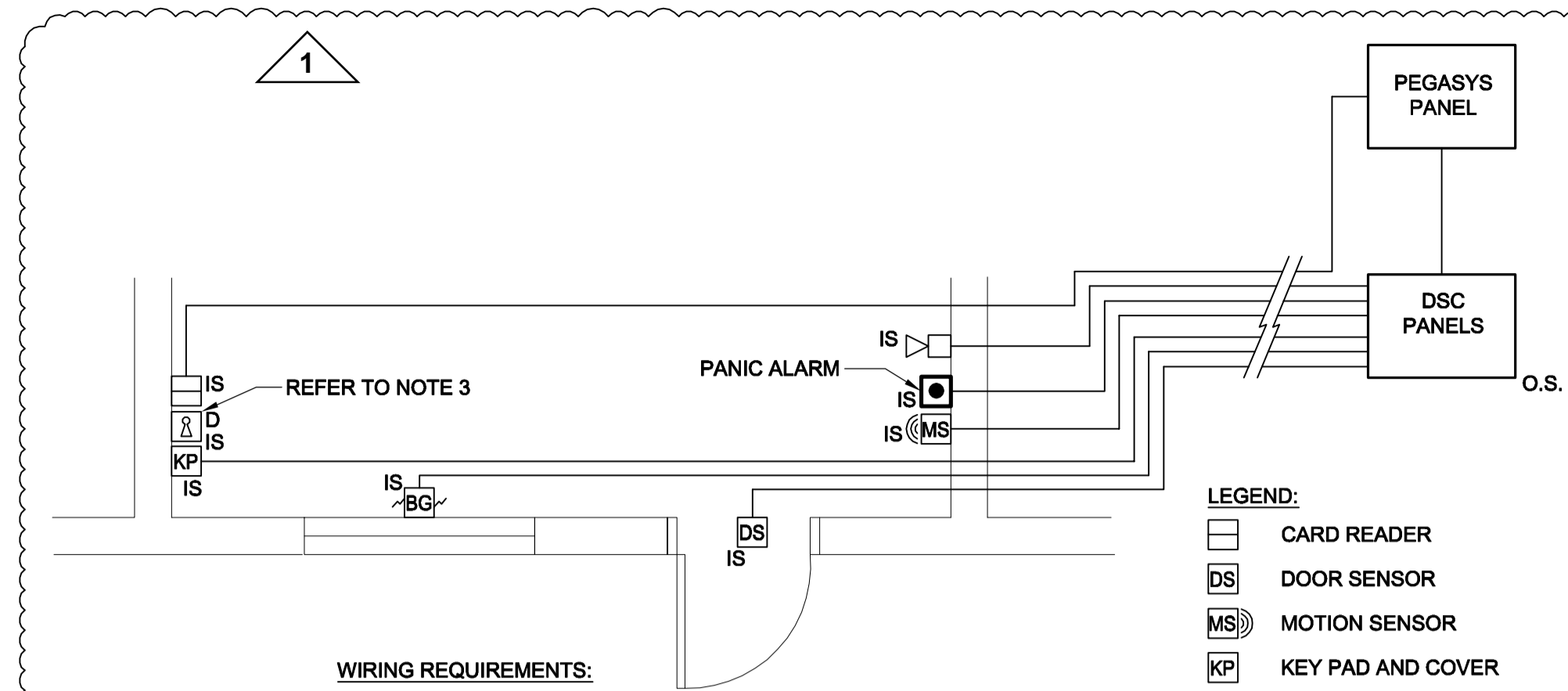
DESCRIPTION AND FUNCTIONALITY	DESCRIPTION AND FUNCTIONALITY
<p>EXISTING AREAS:</p> <p>BASEMENT DOOR FROM MAINTENANCE TO EXISTING TRACK (BASEMENT, GRID LINE EA.9,E3.4) - CARD READER.</p> <p>CARPET BOWLING SOUTH EXIT DOOR (MAIN FLOOR, GRID LINE EH.8, E1.2): - CARD READER.</p> <p>CARPET BOWLING EAST DOOR TO POOL (MAIN FLOOR, GRID LINE EJ, E2): - CARD READER.</p> <p>GROUND AND MAINTENANCE EQUIPMENT (MAIN FLOOR, GRID LINE EA, E1.3): - CARD READER.</p> <p>NORTH STAIRWELL (MAIN FLOOR, GRID LINE (EA.3,E5.7): - CARD READER.</p> <p>NEW AREAS:</p> <p>STAIR #2 - EXIT DOOR SENSOR (MAIN FLOOR, GRID LINE A.5,8) - MOTION SENSOR (SOUTH WEST CORNER)</p> <p>VESTIBULE 101: - TWO DOOR SENSORS ON DOUBLE DOOR D101A. - DOOR SENSOR ON DOOR D101B. - KEYPAD ON NORTH WALL. - CARD READER ON NORTH WALL. - MOTION SENSOR ON WEST WALL AT CEILING. - BREAK GLASS SENSOR ON WEST WALL AT CEILING.</p> <p>ENTRY 102: - BREAK GLASS SENSOR ON WEST WALL AT CEILING. - MOTION SENSOR AT SOUTH EAST CORNER.</p> <p>LOBBY 103: - MOTION SENSOR ON WEST WALL AT BASE OF STAIR #1 (GRID LINE A.6,5.4). - TWO MOTION SENSORS ON COLUMN AT GRID LINE C.6, ONE FACING EAST, ONE FACING WEST. - DOOR SENSOR ON SOUTH WEST EXIT DOOR (GRID LINE C.5,4). - HORN ON WEST WALL ADJOINING NETWORK ROOM (GRID LINE A.2,6)</p> <p>PUBLIC W.C. 112: - MOTION SENSOR SOUTH WEST CORNER.</p> <p>PUBLIC W.C. 113 - MOTION SENSOR NORTH WEST CORNER.</p>	<p>NEW AREAS (CONTINUED):</p> <p>REC CENTER STAFF 115: - DOOR SENSOR ON DOOR TO ROOM. - DOOR SENSOR ON NORTH WALL (INSIDE SAFE) - MOTION SENSOR ON NORTH WALL, EAST SIDE. - CARD READER ON NORTH WALL. (FOR SAFE)</p> <p>CONTROL 116: - TWO UNDER COUNTER PANIC ALARM PUSHBUTTONS. CONFIRM LOCATION WITH OWNER.</p> <p>LIBRARY 117: - TWO DOOR SENSORS ON DOUBLE DOOR AT ENTRANCE TO LIBRARY. - KEYPAD ON EAST WALL (GRID LINE A.7,4). - MOTION SENSOR ON WALL ADJOINING STORAGE 111 (GRIDLINE A.6,3.7). CONFIRM LOCATION WITH OWNER. - MOTION SENSOR IN SOUTH EAST CORNER, FACING WEST. - HORN, EAST WALL (GRID LINE A.7,4) - MOTION SENSOR IN SOUTH WEST CORNER, FACING EAST. - MOTION SENSOR IN NORTH WEST CORNER, FACING SOUTH. - DOOR SENSOR ON WEST EXIT DOOR (GRID LINE A.5,1.2). - 360° MOTION SENSOR (GRID LINE A.7,2.5) - 360° MOTION SENSOR (GRID LINE B.3,2.5)</p> <p>PUBLIC W.C 113: - MOTION SENSOR IN NORTH EAST CORNER.</p> <p>STAIR #3 EXIT DOOR (MAIN FLOOR, GRID LINE A.1,1.1): - DOOR SENSOR. - MOTION SENSOR, NORTH WALL (GRID LINE A,1,2)</p> <p>SECOND FLOOR GYM AREAS: - MOTION SENSOR ON NORTH WALL FACING SOUTH (GRID LINE A,1,9). - MOTION SENSOR ON NORTH WALL FACING SOUTH (GRID LINE A,7,7). - HORN (GRID LINE A,5,5,4) - MOTION SENSOR ON SOUTH WALL FACING WEST (GRID LINE D,3,9). - MOTION SENSOR ON SOUTH WALL FACING NORTH (GRID LINE C,9,4) - MOTION SENSOR ON SOUTH WALL FACING EAST (GRID LINE D,4,0). - 360° MOTION SENSOR (GRID LINE A,8,5,3)</p> <p>MALE W.C. 202: - MOTION SENSOR SOUTH EAST CORNER.</p> <p>FEMALE W.C. 203: - MOTION SENSOR NORTH EAST CORNER.</p> <p>STAIR TO PENTHOUSE/ROOF: - MOTION SENSOR ON NORTH WALL OF STAIR (PENTHOUSE, GRID LINE A.4,5,5). - DOOR SENSOR ON DOOR TO PENTHOUSE (GRID LINE A.5,5,6) - DOOR SENSOR ON DOOR TO ROOF (GRID LINE A.5,5,4)</p> <p>STAIR #2 LANDING: - MOTION SENSOR (GRID LINE A,7,9)</p>

NOTES

- PROVIDE FUNCTIONALITY AS SHOWN IN DETAIL 4/E2.7 "TYPICAL INTRUSION SYSTEM (ADT)"

INTRUSION SYSTEM NOTES:

- ALL EXISTING SECURITY DEVICES (22 MOTION SENSORS, 14 DOORS, 3 OVERHEAD DOORS) REQUIRE INSTALLATION OF SUPERVISORY RESISTORS. REVIEW INSTALLATION OF RESISTORS WITH CITY.
- ALL EXISTING DOOR SENSORS ARE TO BE REPLACED WITH SEALED RECESSED TYPE SENSORS. STYLE TO BE ADVISED BY CITY.
- ALL FIELD DEVICE CONNECTIONS ARE TO BE SOLDERED AND HEAT SHRUNK.
- INSTALL STANDARD DOUBLE END OF LINE SUPERVISORY RESISTORS AT DOOR SENSORS, MOTION SENSORS AND BREAK GLASS SENSORS.



WIRING REQUIREMENTS:

- CARD READER: 8 #22 AWG, SHIELDED TO PEGASYS PANEL
4 #22 AWG BETWEEN PEGASYS AND DSC PANEL
- BREAK GLASS: 6 #22 AWG
- DOOR SENSOR: 4 #22 AWG
- KEY PAD: 6 #22 AWG, SHIELDED (CONFIRM)
- PANIC ALARM: 4 #22 AWG
- MOTION SENSOR: 6 #22 AWG, SHIELDED
- HORN: 4 #22 AWG

LEGEND:

- CARD READER
- DOOR SENSOR
- MOTION SENSOR
- KEY PAD AND COVER
- KEY SWITCH
- PUSHBUTTON
- BREAK GLASS SENSOR
- HORN
- INTRUSION SYSTEM (DSC)

DETAIL NOTES:

- ALL WIRING TO BE IN RACEWAY.
- PROVIDE JUNCTION BOX ABOVE EACH DEVICE IN CEILING SPACE. WHEN RISERING DOWN FROM DEVICE, PROVIDE JUNCTION BOX BELOW FLOOR SLAB FOR EACH DEVICE.
- EXISTING KEY SWITCHES ARE TO BE REMOVED, COMPLETE WITH WIRING BACK TO EXISTING DSC PANEL. THESE WILL BE REPLACED WITH CARD READERS.
- PROVIDE BRADY LABEL & VINYL OVERLAP BRADY VINYL SELF LAMINATION LABEL, BLACK ON WHITE WIRE MARKERS ON ALL WIRES ALLOWING BOTH ENDS (FIELD AND PANEL) TO BE IDENTIFIED. SUBMIT IDENTIFICATION SCHEME FOR APPROVAL.
- AFTER AWARD, PROVIDE A BREAKOUT PRICE FOR INTRUSION SYSTEM (FOR ACCOUNTING PURPOSES).
- COMPONENT STANDARD OF ACCEPTANCE:
- BREAK GLASS SENSORS: HONEYWELL FG-730 DUAL TECHNOLOGY
- MOTION DETECTOR: HONEYWELL DT7550C FOR ALL AREAS (MOUNT AT 76" AFF)
- LONG RANGE MOTION DETECTOR: HONEYWELL DT900 WITH BARRIER LENS (FIRST FLOOR LOBBY AREA), DT900 WITH WIDE ANGLE LENS AND DT906 WITH THE BARRIER LENS (SECOND FLOOR RUNNING TRACK)
- DOOR CONTACT: HONEYWELL 951WH FOR ALL DOOR (WHEREVER IS APPLICABLE), GE 1085 WHERE NOT POSSIBLE TO INSTALL 951
- HORN: DSC 1M-SS30, 30 WATT
- KEY PAD: DSC LCD-4501TC
- KEY PAD COVER: HONEYWELL TG511A1000 VERSIGUARD UNIVERSAL THERMOSTAT COVER MODIFIED WITH 3/4" PLYWOOD BACKING
- EXPANSION INPUT MODULES: DSC PC 4116
- EXPANSION OUTPUT MODULES: DSC PC 4216
- INTERFACE MODULE: SUPPLIED BY CITY OF WINNIPEG
CITY OF WINNIPEG WILL REVIEW INSTALLATION REQUIREMENTS WITH CONTRACTOR.
- ALL WIRING TO FIELD DEVICES ARE TO BE WITHOUT SPLICES, SPLICES ARE NOT ALLOWED.
- DEVELOP COMMISSIONING PLAN FOR SYSTEM AND SUBMIT TO CITY FOR APPROVAL. INCORPORATE CITY COMMENTS AND RESUBMIT IF NECESSARY.
- PRE-COMMISSION ENTIRE SYSTEM TO COMMISSIONING PLAN AND SUBMIT RESULTS TO CITY.
- COMMISSION SYSTEM IN THE PRESENCE OF THE CITY OF WINNIPEG BUILDING SERVICES TECH SHOP REPRESENTATIVE.
- CORRECT ALL COMMISSIONING DEFICIENCIES AND CALL ON CITY OF WINNIPEG TO WITNESS THEIR RE-COMMISSIONING. FINAL PAYMENT FOR INTRUSION SYSTEM SHALL NOT BE APPROVED UNTIL ALL DEFICIENCIES ARE RESOLVED AND SYSTEM HAS BEEN ACCEPTED BY THE CITY.
- PRIOR TO INSTALLING COMPONENTS PROVIDE SHOP DRAWINGS AND REVIEW PROPOSED INSTALLATION METHOD WITH CITY OF WINNIPEG BUILDING SERVICES TECH SHOP STAFF.
- DSC PANELS TO HAVE 20% SPARE CAPACITY. ENCLOSURE IS TO BE COMPLETE WITH TAMPER ON DOOR.
- MODIFY OR EXPAND EXISTING BASEMENT DSC PANEL TO ACCOMMODATE NEW POINTS AND INTERFACE TO METASYS SYSTEM.
- CONFIRM LOCATION OF FIELD DEVICES WITH CITY OF WINNIPEG. ALLOW FOR RELOCATION OF DEVICES 3 METERS FROM LOCATION SHOWN.
- PROVIDE AS-BUILT DRAWING, BOTH HARD COPY AND AUTOCAD SHOWING FIELD DEVICES, CONDUIT LAYOUT AND DEVICE IDENTIFICATION.



THIS SCHEDULE RELOCATED FROM E2.7

THIS SCHEDULE RELOCATED FROM E8.3

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DRN	CHK	DES	ENG	IDR
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UMA | AECOM REVIEW

NO.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR ADDENDUM #4	QL	07/08/09

SEALS

PROVINCE OF MANITOBA
S. K. SMART
REGISTERED PROFESSIONAL ENGINEER
Member
20996

DRAWN BY	QL	CHECKED BY	APPROVED
DATE	2007.02.21	USER	APPROVAL

CITY OF WINNIPEG
PLANNING, PROPERTY & DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
Construction of Cindy Klassen
Recreation Complex Facility
Enhancement Project
999 Sargent St. Winnipeg, Manitoba

SHEET TITLE
Electrical
Emergency Lighting Schedule
and Voltage Sensing Relay Connection Detail

SCALE	PROJECT NO.	SHEET NO.
N.T.S.	2005-059	E7.7

DRAWING SHEET SIZE: A1 (841mm x 594mm) PLOT 1:1