

LEGEND

- 4x2' FLUORESCENT LIGHT FIXTURE, RECESSED
- MARK #1 (DETAIL "L1")
- 4x2' FLUORESCENT LIGHT FIXTURE, CEILING MOUNT
- MARK #2 (DETAIL "L2")
- 2' FLUORESCENT VANITY LIGHT FIXTURE
- MARK #3 (DETAIL "L3")
- LIGHT FIXTURE, CEILING MOUNT
- MARK #4 (DETAIL "L4")
- LIGHT FIXTURE, WALL MOUNT, EXTERIOR
- MARK #5 (DETAIL "L5")
- EXIT SIGN FIXTURE, CEILING MOUNT
- MARK #6 (DETAIL "L6")
- EXIT SIGN FIXTURE, W/ EXTERNAL EMERGENCY LIGHTS
- MARK #7 (DETAIL "L7")
- EXIT SIGN MOUNT, MARK #8 (DETAIL "L8")
- EMERGENCY LIGHT FIXTURE, WALL MOUNT
- MARK #9 (DETAIL "L9")
- EXHAUST FAN
- MARK #10 (DETAIL "F1")
- DUPLEX RECEPTACLE
- MARK #14 (DETAIL "R1")
- DUPLEX RECEPTACLE - GFCI PROTECTED
- MARK #15 (DETAIL "R4")
- SINGLE RECEPTACLE - 208VAC
- MARK #11, 12 & 13 (DETAIL "R3")
- SINGLE SWITCH
- MARK #16 (DETAIL "S1")
- THREE WAY SWITCH
- MARK #17 (DETAIL "S1")
- FOUR WAY SWITCH
- MARK #18 (DETAIL "S1")
- COMBINATION TELEPHONE & DATA OUTLET
- MARK #19 (DETAIL "R5")
- CATV OUTLET
- MARK #20 (DETAIL "R6")
- PHOTOELECTRIC SENSOR
- MARK #21
- DISTRIBUTION PANEL
P# = PANEL DESIGNATOR
- HOME RUN TO DISTRIBUTION PANEL
X = DISTRIBUTION PANEL NUMBER
Y = CIRCUIT BREAKER NUMBER
- 120VAC, 2 WIRE W/ GND CIRCUIT
- 208VAC, 3 WIRE W/ GND CIRCUIT

4x2' FLUORESCENT LIGHT FIXTURE, CEILING MOUNT
- MARK #2 (DETAIL "L2")

2' FLUORESCENT VANITY LIGHT FIXTURE
- MARK #3 (DETAIL "L3")

LIGHT FIXTURE, CEILING MOUNT
- MARK #4 (DETAIL "L4")

LIGHT FIXTURE, WALL MOUNT, EXTERIOR
- MARK #5 (DETAIL "L5")

EXIT SIGN FIXTURE, CEILING MOUNT
- MARK #6 (DETAIL "L6")

EXIT SIGN FIXTURE, W/ EXTERNAL EMERGENCY LIGHTS
- MARK #7 (DETAIL "L7")

EXIT SIGN MOUNT, MARK #8 (DETAIL "L8")

EMERGENCY LIGHT FIXTURE, WALL MOUNT
- MARK #9 (DETAIL "L9")

EXHAUST FAN
- MARK #10 (DETAIL "F1")

DUPLEX RECEPTACLE
- MARK #14 (DETAIL "R1")

DUPLEX RECEPTACLE - GFCI PROTECTED
- MARK #15 (DETAIL "R4")

SINGLE RECEPTACLE - 208VAC
- MARK #11, 12 & 13 (DETAIL "R3")

SINGLE SWITCH
- MARK #16 (DETAIL "S1")

THREE WAY SWITCH
- MARK #17 (DETAIL "S1")

FOUR WAY SWITCH
- MARK #18 (DETAIL "S1")

COMBINATION TELEPHONE & DATA OUTLET
- MARK #19 (DETAIL "R5")

CATV OUTLET
- MARK #20 (DETAIL "R6")

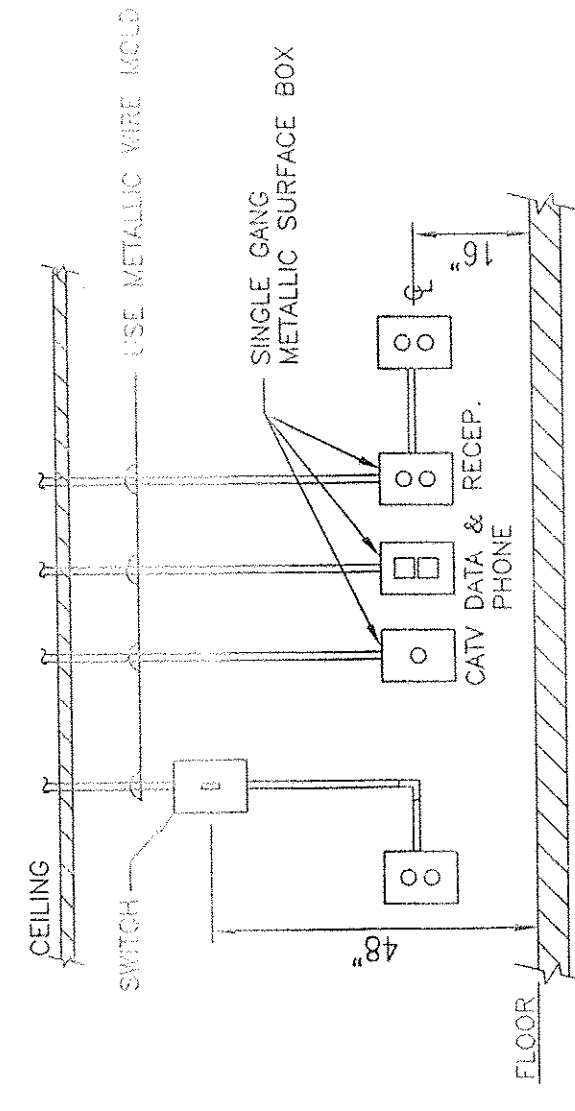
PHOTOELECTRIC SENSOR
- MARK #21

DISTRIBUTION PANEL
P# = PANEL DESIGNATOR

HOME RUN TO DISTRIBUTION PANEL
X = DISTRIBUTION PANEL NUMBER
Y = CIRCUIT BREAKER NUMBER

120VAC, 2 WIRE W/ GND CIRCUIT

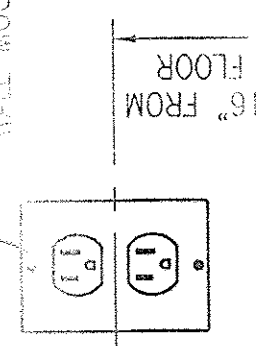
208VAC, 3 WIRE W/ GND CIRCUIT



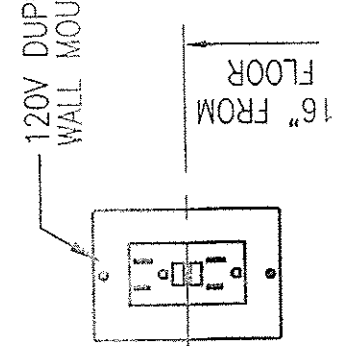
RACEWAY DETAIL & WIRING
ON WALLS (TYPICAL)

SCALE: NTS

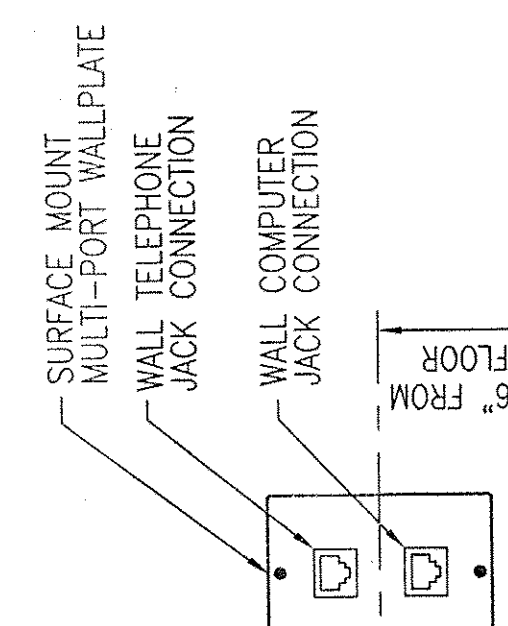
120V DUPLEX RECEPTACLE GFCI
WALL MOUNTED IN SURFACE BOX



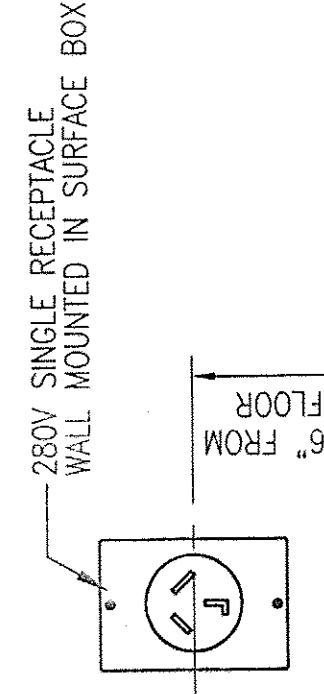
DETAIL No. "R1"
DUPLEX RECEPTACLE
WALL MOUNTED
(MARK NO. 14)



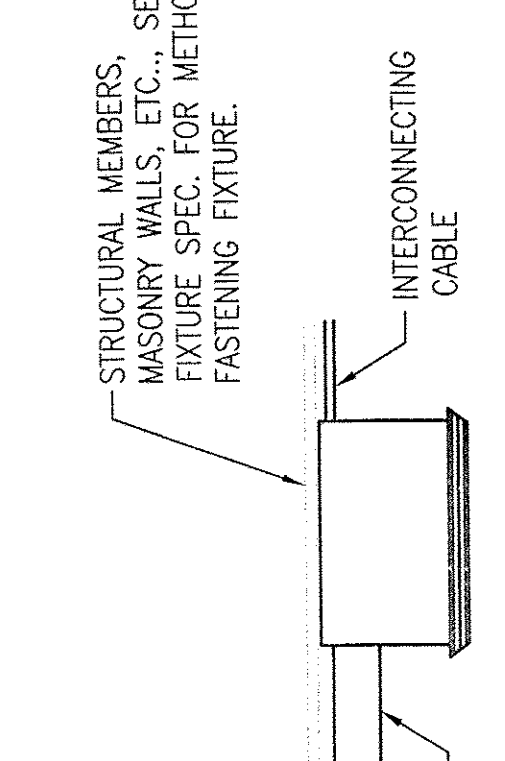
DETAIL No. "R4"
DUPLEX RECEPTACLE GFCI
WALL MOUNTED
(MARK NO. 15)



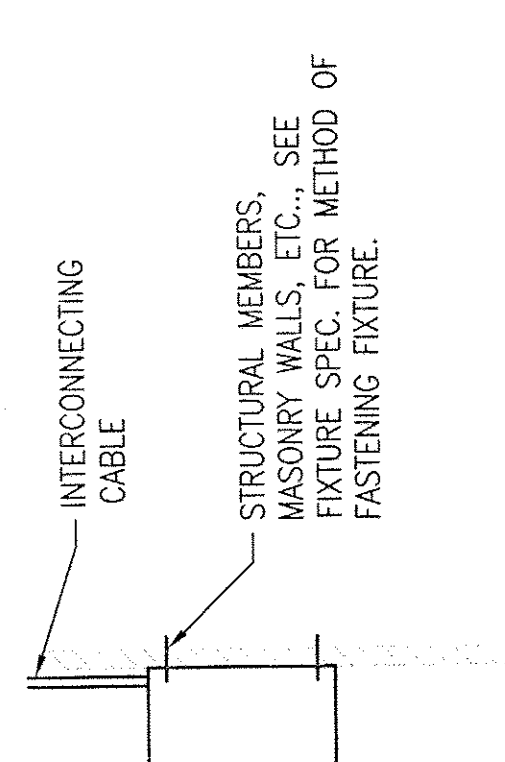
DETAIL "R5"
DOUBLE COMMUNICATION JACK
WALL MOUNTED
(MARK NO. 19)



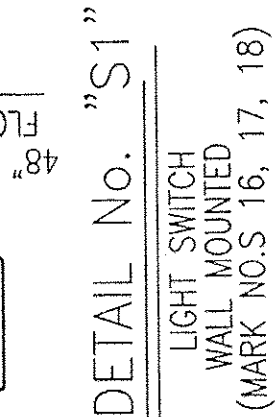
DETAIL No. "R3"
SINGLE RECEPTACLE
WALL MOUNTED
(MARK NO. 11, 12 & 13)



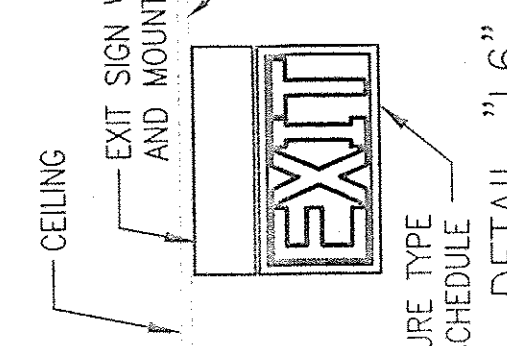
DETAIL No. "F1"
EXHAUST FAN
CEILING MOUNTED
(MARK NO. 10)



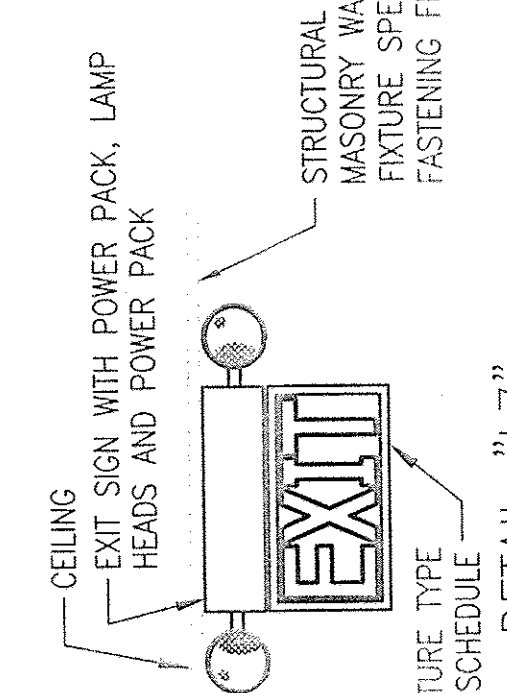
TYPICAL DETAIL
SURFACE MOUNT BOXES



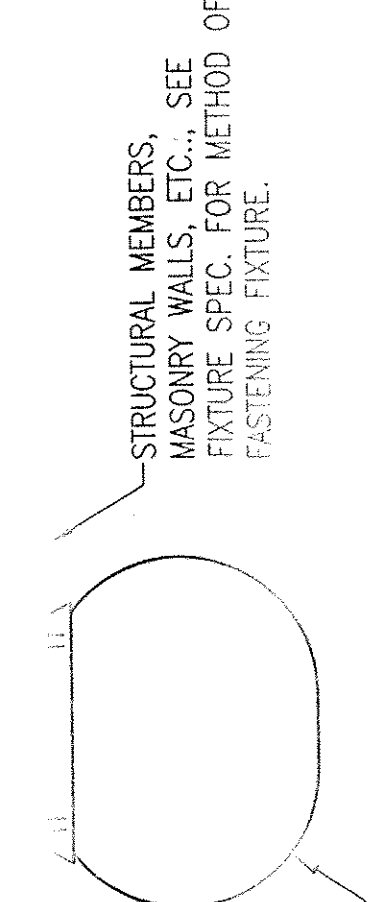
DETAIL No. "S1"
LIGHT SWITCH
WALL MOUNTED
(MARK NOS 16, 17, 18)



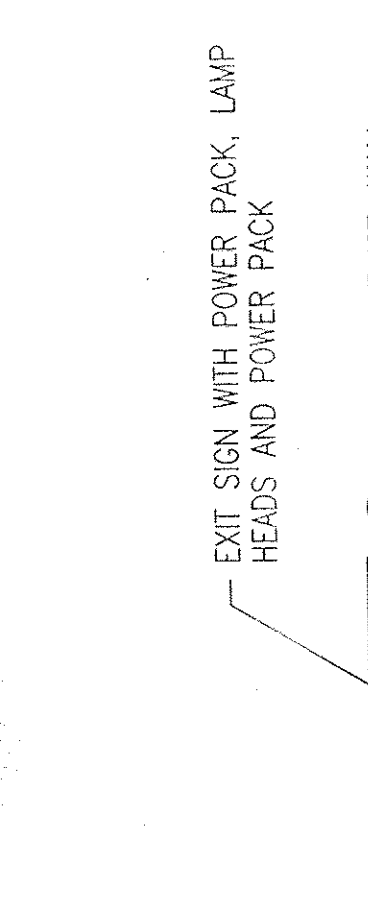
DETAIL "L6"
EXIT SIGN
CEILING MOUNTED
(MARK NO. 6)



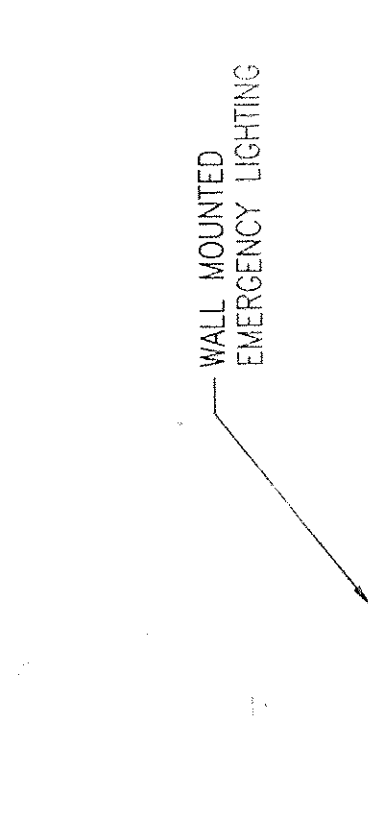
DETAIL "L7"
EXIT SIGN
CEILING MOUNTED
(MARK NO. 7)



DETAIL "L4"
CEILING MOUNTED
LIGHT FIXTURE
(MARK NO. 4)



DETAIL "L8"
WALL MOUNTED
EXIT SIGN
(MARK NO. 8)



DETAIL "L9"
WALL MOUNTED
EMER. LIGHTING
(MARK NO. 9)

RACEWAY DETAIL & WIRING
ON WALLS (TYPICAL)

SCALE: NTS

U.S. DEPARTMENT OF
VETERANS AFFAIRS
BUTLER, PA 16001

ENGINEERING
4840 McKnight Road
Pittsburgh, PA. 15237
P: 412-364-2180 Fax: 412-364-8922

DATE: 12-30-03
CHECKED: RWW
APPROVED: NTS

SCALE: NTS

DRAWING NO: 3705-E04

PROJECT: BUILDING - 4 MODERNIZATION

DRAWING TITLE: GENERAL NOTES & DIAGRAMS

ELECTRICAL

REV. DATE BY DESCRIPTION

3705-E01 02/02/04 PUM FOR APPROVAL

3705-E02 01/13/04 RK FOR APPROVAL

3705-E03 01/09/04 PUM FOR APPROVAL

3705-AR01

3705-AR02

REFERENCE DRAWINGS

3705-E01

3705-E02

3705-E03

3705-AR01

3705-AR02

APPROVALS

CLIENT: CV

STRUCTURAL: MECHANICAL: ELECTRICAL: PROL. MGR.:

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REFERENCE DRAWINGS

3705-E01

3705-E02

3705-E03

3705-AR01

3705-AR02

APPROVALS

CLIENT: CV

STRUCTURAL: MECHANICAL: ELECTRICAL: PROL. MGR.:

GENERAL NOTES:

- UNLESS OTHERWISE NOTED, ALL CABLING & WIRING, ELECTRICAL EQUIPMENT, CONDUIT, RACEWAY, GROUNDING, ETC., SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE DEPARTMENT OF VETERANS AFFAIRS MASTER SPECIFICATION, DIVISION 16 - ELECTRICAL, INCLUDING, BUT NOT LIMITED TO, ALL SECTIONS LISTED BELOW:
- ALL CABLING & WIRING, ELECTRICAL EQUIPMENT, CONDUIT, RACEWAY, GROUNDING, ETC., SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST STANDARDS OF THE NFPA'S NATIONAL ELECTRICAL CODE (NEC).
- LIGHTING FIXTURES, RECEPTACLES, SWITCHES, CONDUITS, ETC., ARE SHOWN DIAGMATICALLY. FINAL LOCATION AND ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT FIELD CONDITIONS. (MOUNTING HEIGHTS SHOWN ON DRAWINGS ARE APPROXIMATE).
- ALL FIXTURES, RECEPTACLES, SWITCHES, PANELS, ETC., SHALL BE GROUNDING PER NEC.
- ALL UNUSED OPENINGS IN FIXTURES, PANELS, CONDUITS, ETC., SHALL BE PLUGGED.
- MOUNT LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC., IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL APPLICABLE CODES SHALL BE FOLLOWED. MODERNIZATION PROJECTS SHALL BE COMPLETED IN ACCORDANCE WITH THE NFPA'S NATIONAL ELECTRICAL CODE (NEC).
- UPON COMPLETION OF INSTALLATION OF FIXTURES AND ETC., THE CONTRACTOR HAS BEEN TESTED, ENERGIZED, DEMONSTRATE FUNCTIONALITY OF LIGHTING SYSTEM.
- WORK THIS DRAWING WITH FIRST FLOOR PLAN, ELECTRICAL DWG. 3705-E01 AND SECOND FLOOR PLAN, ELECTRICAL DWG. 3705-E02.

- SECTION 16140 - WIRING DEVICES
- SECTION 16160 - PANEL BOARDS
- SECTION 16321 - TRANSFORMERS, PAD MOUNT
- SECTION 16460 - TRANSFORMERS (GENERAL PURPOSE)
- SECTION 16510 - BUILDING LIGHTING, INTERIOR
- SECTION 16520 - SITE LIGHTING

BE INSTALLED IN ACCORDANCE WITH THE LATEST STANDARDS OF THE NFPA'S NATIONAL ELECTRICAL CODE (NEC).

LIGHTING FIXTURES, RECEPTACLES, SWITCHES, CONDUITS, ETC., ARE SHOWN DIAGMATICALLY. FINAL LOCATION AND ELEVATIONS SHALL BE DETERMINED BY THE CONTRACTOR TO SUIT FIELD CONDITIONS. (MOUNTING HEIGHTS SHOWN ON DRAWINGS ARE APPROXIMATE).

ALL FIXTURES, RECEPTACLES, SWITCHES, PANELS, ETC., SHALL BE GROUNDING PER NEC. ALL UNUSED OPENINGS IN FIXTURES, PANELS, CONDUITS, ETC., SHALL BE PLUGGED. MOUNT LIGHTING FIXTURES, RECEPTACLES, SWITCHES, ETC., IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ALL APPLICABLE CODES SHALL BE FOLLOWED. MODERNIZATION PROJECTS SHALL BE COMPLETED IN ACCORDANCE WITH THE NFPA'S NATIONAL ELECTRICAL CODE (NEC).

UPON COMPLETION OF INSTALLATION OF FIXTURES AND ETC., THE CONTRACTOR HAS BEEN TESTED, ENERGIZED, DEMONSTRATE FUNCTIONALITY OF LIGHTING SYSTEM.

WORK THIS DRAWING WITH FIRST FLOOR PLAN, ELECTRICAL DWG. 3705-E01 AND SECOND FLOOR PLAN, ELECTRICAL DWG. 3705-E02.