



GENERAL ELECTRICAL NOTES

- ELECTRICAL CONTRACTOR IS TO PROVIDE LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT, RELATED HAND TOOLS, SPECIAL AND OCCASIONAL SERVICES TO CONSTRUCT AND INSTALL THE COMPLETE ELECTRICAL SYSTEM AS SPECIFIED AND SHOWN ON THE PLANS.
- MOUNTING HEIGHTS SHOWN (I.E. +48") ARE FROM FINISHED FLOOR TO CENTERLINE OUTLET. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON SYMBOL LIST UNLESS OTHERWISE NOTED ON DRAWINGS.
- BONDING JUMPERS SHALL BE INSTALLED TO INSURE CONTINUITY WHERE CONDUIT CONNECTIONS AT CONCENTRIC KNOCKOUTS ARE TO SERVE AS A GROUND.
- PROVIDE GREEN THIN COPPER GROUND WIRE FROM PANELBOARD GROUND BUS TO ALL MECHANICAL EQUIPMENT.
- THE ELECTRICIAN SHALL CHECK THE TIGHTNESS OF ALL PANELBOARD BUSES AND CIRCUIT BREAKER LUGS. COMPLETELY VACUUM AND CLEAN INTERIOR OF EQUIPMENT PRIOR TO PLACING SERVICE INTO OPERATION.
- ALL EQUIPMENT SHALL BE U.L. LISTED AND INSTALLED AS PER LISTING OR LABELING (I.E. MAX. FUSE SIZES MEAN FUSE PROTECTION REQUIRED).
- REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL LAYOUTS OF LIGHTING FIXTURES IN CEILING.
- CONTRACTOR TO COORDINATE ALL NEW WORK WITH EXISTING CONDITIONS.
- ALL ELECTRICAL CONDUIT AND ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST HORIZONTAL FORCES AS REQUIRED BY SECTION 1630A AND TABLE 16A-0, TITLE 24, CALIFORNIA ADMINISTRATIVE CODE, PART 2. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD INSPECTOR.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL WALLS, FLOORS AND CEILINGS INCURRED DURING ELECTRICAL CONSTRUCTION. IF DAMAGE OCCURS DURING ELECTRICAL CONSTRUCTION, THEY SHALL COORDINATE WITH GENERAL CONTRACTOR TO PATCH, PAINT AND REPAIR TO MATCH EXISTING CONDITIONS.
- COORDINATE EQUIPMENT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT REQUIRING ELECTRICAL HOOK-UP WITH CONTRACTOR RESPONSIBLE FOR PROVIDING EQUIPMENT AND EQUIPMENT MANUFACTURER DATA SHEETS.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND ORIENTATION OF ALL ELECTRICAL OUTLETS.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.
- FLUORESCENT LIGHT FIXTURES SHALL HAVE CERTIFIED LUMINAIRE/BALLASTS PER STATE OF CALIFORNIA BUILDING ENERGY STANDARDS 2-5314(G).
- ALL WALL PENETRATIONS FOR PIPES, CONDUITS, ETC., IN RATED WALLS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE FIRE MARSHAL.
- ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL AND PLUMBING CONTRACT DRAWINGS AND VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS, MOTOR SIZES AND CONTROL WIRING REQUIREMENTS WITH MECHANICAL CONTRACTOR AND MECHANICAL EQUIPMENT SUPPLIERS AND MANUFACTURERS PRIOR TO INSTALLATION OF ELECTRICAL CONNECTIONS.
- RECEPTACLES SHALL NOT BE INSTALLED BACK TO BACK AND SHALL, WHEREVER POSSIBLE, BE SPACED 24" APART, WHERE RECEPTACLES CANNOT BE SPACED 24" APART, PROVIDE 3M FIRE RATED PUTTY PADS TO MATCH WALL FIRE RATINGS.
- PROVIDE AN ISOLATED GROUND WIRE IN ADDITION TO NORMAL EQUIPMENT GROUND IN ALL COMPUTER DEDICATED CIRCUITS.
- PROVIDE TYPED WRITTEN PANEL DIRECTORY GIVING CIRCUIT NUMBER AND COMPLETE DESCRIPTION OF ALL OUTLETS CONTROLLED BY EACH CIRCUIT BREAKER.
- ALL CONTROL DEVICES TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA SHALL BE INSTALLED AT A MINIMUM OF 36" C/L, TO A MAXIMUM OF 48" C/L FROM THE FINISHED FLOOR.
- ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF MANUFACTURER'S OR OWNER'S DATA AVAILABLE AND/OR VERIFY DATA IN THE FIELD FOR PROVIDING AND INSTALLING CORRECT CABLE LENGTHS.
- ALL EQUIPMENT MUST BE LISTED, LABELED, OR CERTIFIED BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) [CAN 3-110-2].
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO KEEP ELECTRICAL ROOMS EXCLUSIVELY DEDICATED TO PANELBOARDS, SIGNAL AND OTHER ELECTRICAL EQUIPMENT. NO PLUMBING, PIPING OR MECHANICAL DUCTS SHALL RUN OVER ELECTRICAL PANEL OR OTHER ELECTRICAL EQUIPMENT PER N.E.C. 384-4.
- WHENEVER STAINLESS STEEL IS USED, EXPOSED SCREWS, BOLTS AND OTHER ATTACHMENTS MUST BE STAINLESS STEEL.

SYMBOL LIST

	FLUORESCENT LIGHT FIXTURE - SEE FIXTURE SCHEDULE
	FLUORESCENT, INCANDESCENT, OR H.L.D. RECESSED DOWNLIGHT - SEE FIXTURE SCHEDULE
	FLUORESCENT SURFACE MOUNTED FIXTURE - SEE FIXTURE SCHEDULE
	FLUORESCENT WALL MOUNTED FIXTURE - SEE FIXTURE SCHEDULE
	WALL MOUNTED EXT LIGHT - SEE FIXTURE SCHEDULE
	SPST SWITCH, +48" U.O.N. LETTER DENOTES CIRCUIT CONTROLLED IF APPLICABLE
	3-WAY LIGHT SWITCH, +48" U.O.N.
	DIMMER SWITCH, +48" U.O.N.
	MULLION SWITCH, +48" U.O.N.
	DUPLEX RECEPTACLE, 20A, 125V, 3W, GROUNDABLE, +18" UNLESS OTHERWISE NOTED AC DENOTES ABOVE COUNTER
	SAFETY DUPLEX RECEPTACLE, 20A, 125V, 3W, +18" UNLESS OTHERWISE NOTED
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE, 20A, 125V, 3W, +18" UNLESS OTHERWISE NOTED
	SPECIAL PURPOSE RECEPTACLE, 20A, 250V, 3W, GROUNDABLE, +18" UNLESS OTHERWISE NOTED
	JUNCTION BOX, WALL OR ABOVE CEILING MOUNTED, SIZED PER CODE
	TELEPHONE OUTLET, +18"
	2-WIRE IONIZATION TYPE SMOKE DETECTOR
	HEAT DETECTOR, 135' RATE OF RISE U.O.N.
	MANUAL FIRE ALARM PULL STATION, +48" U.O.N.
	15 FIRE ALARM MINI HORN/STROBE, +80" A.F.F., CANDELLA AS NOTED (15 CD MIN.)
	FIRE ALARM HORN, +80" A.F.F., 'WP' DENOTES WEATHERPROOF
	15 WALL MOUNTED STROBE ONLY, +80" A.F.F. U.O.N., CANDELLA AS NOTED (15 CD MIN)
	ELECTRICAL PANELBOARD
	ELECTRICAL TRANSFORMER
	EXISTING CIRCUITRY
	CIRCUITRY RUN CONCEALED IN WALL OR CEILING
	CIRCUITRY RUN UNDERGROUND OR IN FLOOR SLAB
	HOMERUN TO PANELBOARD OR OTHER TERMINATION POINT
ANY BRANCH CIRCUIT CONDUIT SHALL BE MINIMUM 1/2" - 2#12 UNLESS OTHERWISE NOTED OR INDICATED. FOR A GREATER NUMBER OF #12 WIRES: (---H--- = 1/2" - 3#12) ETC. FOR WIRE SIZES OTHER THAN #12: (---H--- = 3/8" IN CODE SIZE CONDUIT) ETC. PROVIDE GREEN GROUND WIRE IN ALL RECEPTACLE BRANCH CIRCUITS UNLESS NOTED.	
	CONDUIT
	EXISTING
	FIRE ALARM
	FIRE ALARM CONTROL PANEL
	GROUND
	1/2" EMPTY CONDUIT WITH PULL CORD
	NEW
	PULL BOX - SIZED PER CODE
	UNLESS OTHERWISE NOTED
	WEATHERPROOF
	ABOVE FINISHED FLOOR
	SHEET NOTE
	FIXTURE TAG - NUMBER INDICATES FIXTURE TYPE; NUMBERS INDICATE QUANTITY/WATTAGE OF LAMPS
	CEILING MOUNTED MOTION DETECTOR, WATT STOPPER #
	PLUGMOLD SURFACE MOUNTED TO WALL ABOVE COUNTER
	TELEPHONE SYSTEM CONDUIT BETWEEN OUTLETS - 3/4"C.
	TELEPHONE SYSTEM CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE OF CORRIDOR 12/12A - 1"C.
	DATA SYSTEM CONDUIT BETWEEN OUTLETS - 1"C.
	DATA SYSTEM CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE OF CORRIDOR 12/12A - 1"C.
	TWO COMPARTMENT IN-FLOOR DUCT WITH INSERTS AT 24" O.C. STEEL CITY 202 SERIES. PROVIDE 202-JB AT ALL INTERSECTIONS
	TWO CELL VERTICAL RISER ELBOW FLUSH IN WALL STEEL CITY 202-VEL SERIES
	MICROPHONE OUTLET JUNCTION BOX FLUSH IN CEILING
	MICROPHONE OUTLET JUNCTION BOX FLUSH IN WALL, +18"
	PROJECTOR CONTROL JUNCTION BOX FLUSH IN CEILING (2)4"x4"x4"
	PROJECTOR CONTROL JUNCTION BOX FLUSH IN WALL, +18" (2)4"x4"x4"
	MICROPHONE CONDUIT WITH PULL WIRE - 3/4"C
	PROJECTOR CONTROL CONDUIT WITH PULL WIRE - 2"C (1 EACH PER BOX)
	TELEPHONE OUTLET, +18" AFF - 'WM' DENOTES WALL MOUNTED +48"
	DATA OUTLET, +18" AFF

REVISIONS: (1) APPROVED REVISION MADE TO THIS SHEET			
NO.	DATE	REASON	BY
ISSUE FOR PROGRESS REVIEW 1/15/01 ISSUE FOR PLAN CHECK 1/25/01 ISSUE FOR FINAL REVIEW 5/9/01 ISSUE FOR BID ISSUE FOR CONSTRUCTION			
SEAL:			
CONSULTANT:			
WHM INCORPORATED Engineering Consultants 1605 School Street Moraga, CA 94556 Tel (925) 376-2902 • Fax (925) 376-2904 0022			
ARCHITECT:			
C I A N F I C H I ARCHITECTURE • PLANNING 30 ANNE COURT WALNUT CREEK, CA 94598 TEL.: (925) 256-8638 FAX: (925) 256-8652			
PROJECT:			
CHILD DEVELOPMENT CENTER CANADA COLLEGE 4200 FARM HILL BLVD. REDWOOD CITY, CA 94061 SAN MATEO COUNTY COMMUNITY COLLEGE DISTRICT			
STAMP:			
IDENTIFICATION STAMP BOARD OF THE STATE ARCHITECT APPL NO: 101529 DATE: 05/09/01 DWG NO: 57074			
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ELECTRICAL SYMBOLS, DETAILS, GENERAL NOTES			
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AK	304.99		
CHECKED BY:	DATE:		
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DATA NO.:	NO.:	OF:	

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