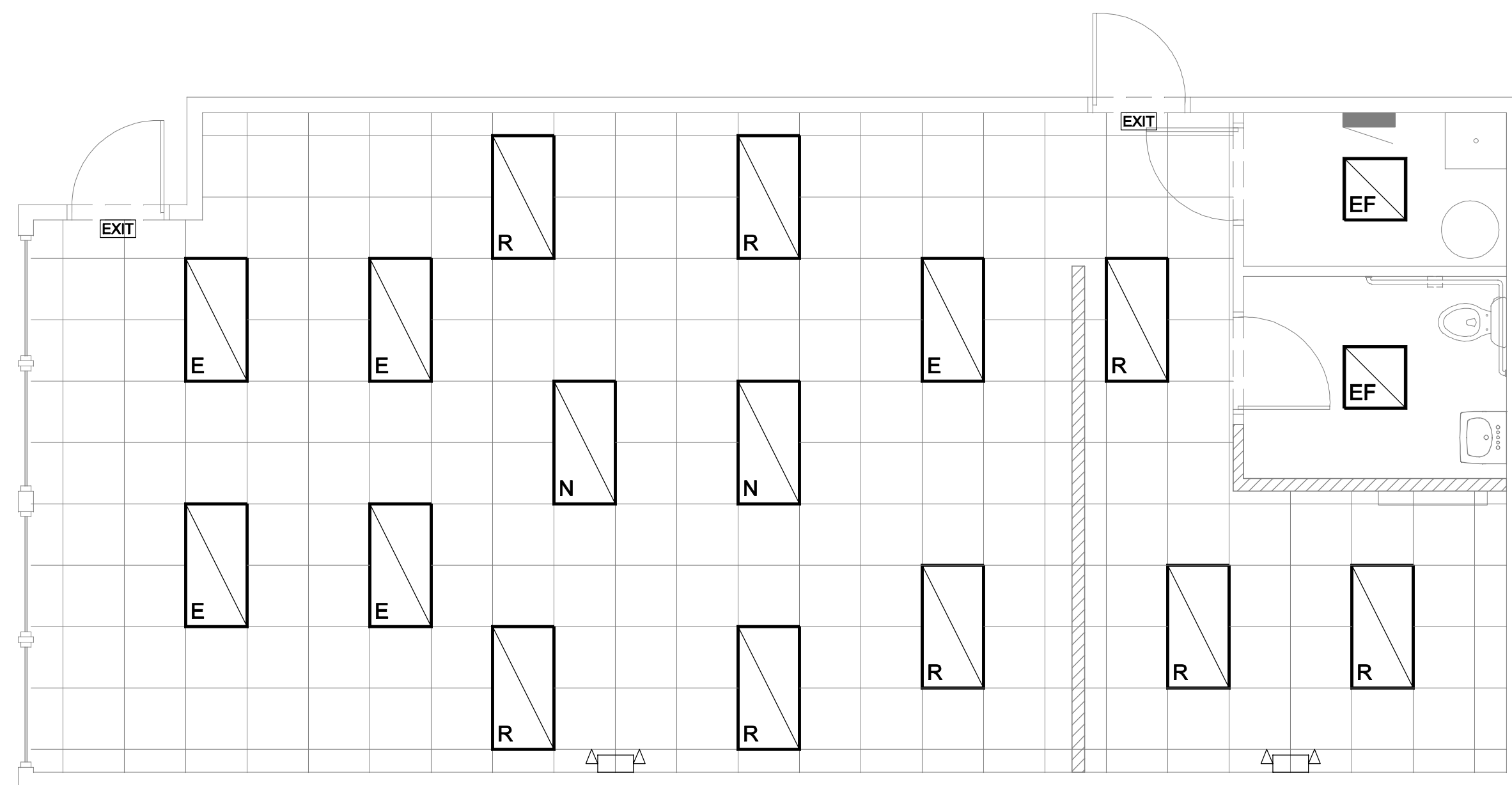


1
A1.2
ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"



2
A1.2
EXISTING REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

ELECTRICAL LEGEND

	DUPLEX - 120V-20 AMP - 16" UNLESS OTHERWISE NOTED.
	DOUBLE DUPLEX - 120V-20 AMP - 16" AFF UNLESS OTHERWISE NOTED
	DEDICATED, GROUNDED 20-AMP QUAD, MARKED w/ ORANGE DEVICE
	220 VOLT RECEPTACLE
	WALL SWITCH (SINGLE, DOUBLE)
	DIMMER WALL SWITCH
	WALL SWITCH (3-WAY, 4-WAY)
	TIMER WALL SWITCH
	OCCUPANCY SENSOR WALL SWITCH
	VOICE/DATA - ASSUME SINGLE GANG BOX AT EACH LOCATION. IF REQ'D BY CODE, INSTALL 3/4" CONDUIT STUBBED AT CEILING AT ALL NEW PARTITIONS; MUDRING & PULLSTRING ONLY AT EXISTING PARTITIONS.
	GROUND FAULT CIRCUIT INTERRUPT
	JUNCTION/BACKBOX
	EXISTING/NEW FIRE PROTECTION DEVICE. V.I.F. ALL LOCATIONS & QUANTITIES TO MEET LOCAL CODES.
	FIRE ALARM PANEL
	THERMOSTAT
	ELECTRIC PANEL
	4' x 4' PLYWOOD PHONE BOARD, PAINTED (LABEL VISIBLE)

*NOTE: THERMOSTAT / AIR FLOW CONTROL TO BE IN LOCKED BOX. VERIFY LOCATION WITH OWNER AND HVAC CONTRACTOR.

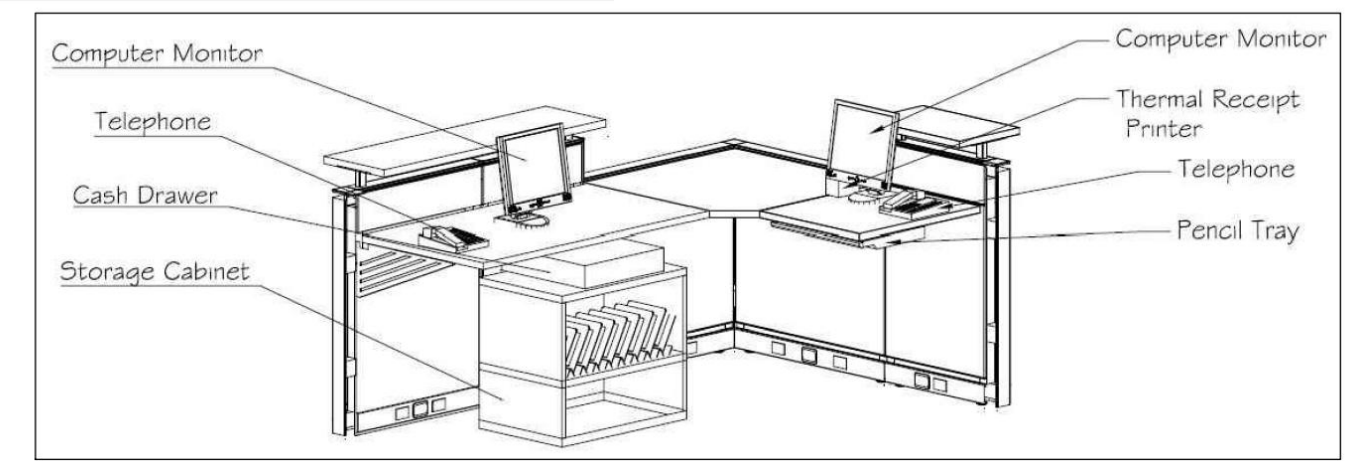
GENERAL ELECTRICAL NOTES

- EXISTING CONDITIONS SHOWN ARE BASED ON AS-BUILT DRAWINGS PROVIDED BY THE OWNER. CONTRACTOR SHALL ADJUST FOR ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- CONTRACTOR SHALL VISIT THE THE PROJECT SITE, REVIEW EXISTING CONDITIONS AGAINST THE PLANS, AND FAMILIARIZE HIMSELF WITH THE WORK PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH ALL EXISTING AS REQUIRED TO ALLOW FOR INSTALLATION AND CONSTRUCTION OF NEW WORK.
- CONTRACTOR TO DETERMINE SCOPE OF DEMOLITION WORK. REMOVE ALL EQUIPMENT, DEVICES, FIXTURES, CONDUITS, SUPPORTS, HANGERS, ETC., SHOWN OR NOT SHOWN THAT ARE REQUIRED TO BE REMOVED IN ORDER TO COMPLETE THE NEW WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DISPOSE OF ALL EQUIPMENT NOT REUSED AS PART OF THE NEW WORK. THE OWNER SHALL HAVE FIRST SALVAGE RIGHTS ON ALL MATERIALS AND EQUIPMENT.
- ALL ELECTRICAL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE APPLICABLE EDITIONS OF THE NATIONAL ELECTRICAL CODE, THE STATE BUILDING CODE, AND ANY OTHER LOCAL, STATE, OR FEDERAL CODES, ORDINANCES, OR AUTHORITY INTERPRETATIONS THAT MAY APPLY. A CERTIFICATE OF FINAL ELECTRICAL INSPECTION SHALL BE OBTAINED BY THE CONTRACTOR AT THE COMPLETION OF THE WORK AND PRESENTED TO BOTH THE OWNER AND THE A/E.
- THE CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE AND SATISFACTORILY OPERATING SYSTEMS AS INDICATED ON THE CONTRACT DOCUMENTS AND AS EVIDENTLY INTENDED. IT IS NOTED THAT THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENTS OF SYSTEMS AND WORK. CIRCUIT NUMBERS, INTERCONNECTIONS, HOME RUNS, AND SWITCH LEGS HAVE BEEN SHOWN, AND THE CONTRACTOR SHALL FURNISH AND INSTALL CONDUIT AND WIRING AS REQUIRED TO ACCOMPLISH THE FUNCTIONS INDICATED. ADDITIONALLY, SPECIAL SYSTEMS (I.E. FIRE ALARM, COMMUNICATIONS, SECURITY, ETC.) ROOMS MAY OR MAY NOT BE SHOWN AND THE CONTRACTOR SHALL FURNISH AND INSTALL THE REQUIRED QUANTITIES AND TYPES OF CABLES, CONDUCTORS, RACEWAYS, REMOTE POWER SUPPLIES AND CONNECTIONS, SHIELDING REQUIREMENTS, ETC., AS REQUIRED BY THE SYSTEM MANUFACTURER, THE SPECIFICATIONS, AND ANY APPLICABLE CODES. ALL WIRING SHOWN ON ONE-LINE OR RISER DIAGRAMS SHALL ALSO BE FURNISHED AND INSTALLED REGARDLESS OF WHETHER THESE ITEMS ARE SHOWN ON THE FLOOR PLANS.
- ALL MATERIALS SHALL BE NEW, SHALL BE SUITABLE FOR THE APPLICATION INTENDED, AND SHALL BEAR LABELS OR MARKINGS INDICATING THIRD PARTY TESTING LABORATORY LISTINGS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
- VERIFY LOCATIONS OF WIRING DEVICES IN FINISHED SPACES, MILLWORK, AND CASEWORK WITH ARCHITECTURAL DRAWINGS, DETAILS, AND ELEVATIONS, AND WITH THE OWNER'S EQUIPMENT AND LAYOUTS PRIOR TO ROUGH-IN.
- ALL ELECTRICAL SYSTEM MATERIALS, PRODUCTS & EQUIPMENT SHALL BE U.L. LABELED & LISTED & SHALL MEET REQUIREMENTS OF ASTM, IEEE, IPCEA, NEC, NEMA, LOCAL CODE REQUIREMENTS AND OTHER RECOGNIZED STANDARDS. ALL MATERIALS SHALL BE COMMERCIAL GRADE & IN COMPLIANCE WITH THE REQUIREMENTS OF THE DESIGN CRITERIA.
- FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE ALARM CONSTRUCTION DOCUMENTS FOR REVIEW BY LOCAL JURISDICTION.
- CAT-5 OR 6 TELEPHONE/DATA CABLING (VERIFY) TO BE DIFFERENT COLORS - BLUE FOR DATA AND WHITE FOR PHONE.
- ALL LIGHT SWITCHES TO BE AT 42" A.F.F.
- ALL OUTDOOR EQUIPMENT SHALL BE WEATHER PROOF.
- PROVIDE ALL WIRING FROM EXISTING METER BANK. PROVIDE PANELBOARD AND ALL NECESSARY WIRING, LIGHTING AND CONTROLS.
- VERIFY RESPONSIBILITY FOR SUPPLYING ANY EQUIPMENT OR MATERIALS SHOWN.
- ALL EMERGENCY & EXIT LIGHTS SHALL BE BUILDING STANDARDS & APPROVED BY OWNER.
- ALL DIMENSIONS SHALL BE SITE CONFIRMED.
- ELECTRICIAN TO PROVIDE ALL EMERGENCY & EXIT LIGHTING AS REQUIRED.
- LIGHTING & POWER PLANS ARE SCHEMATIC FOR REFERENCE ONLY.
- G.C. SHALL RELOCATE LIGHTING AS REQUIRED TO ACCOMMODATE NEW WALLS.

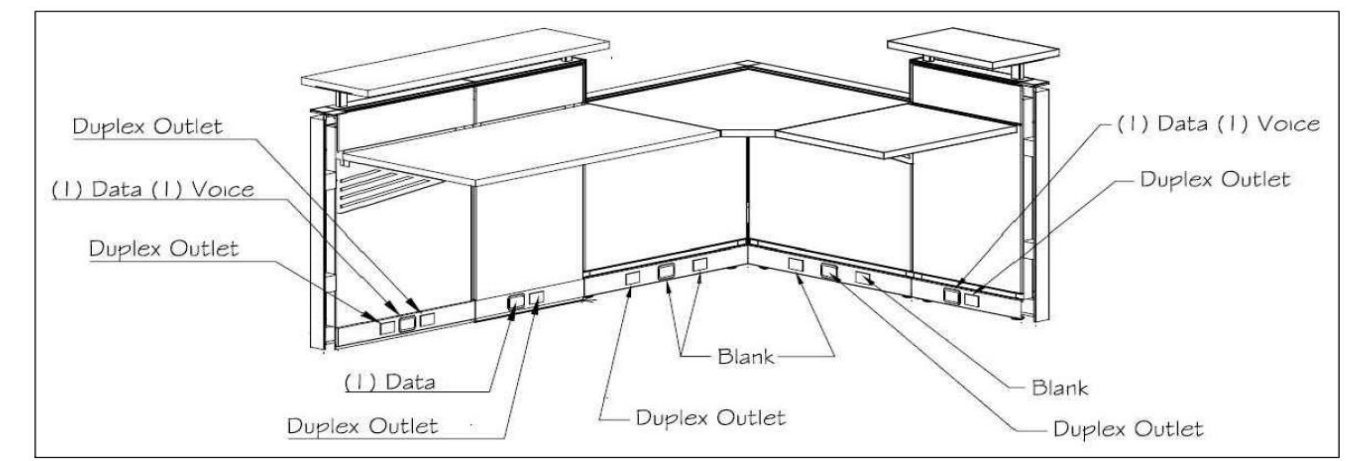
LIGHTING LEGEND

	FLUORESCENT LIGHT RECESSED
	EXHAUST FAN/LIGHT COMBO
	EXIT LIGHT
	FLOOD LIGHT

VIVO CSP DESK LAYOUT

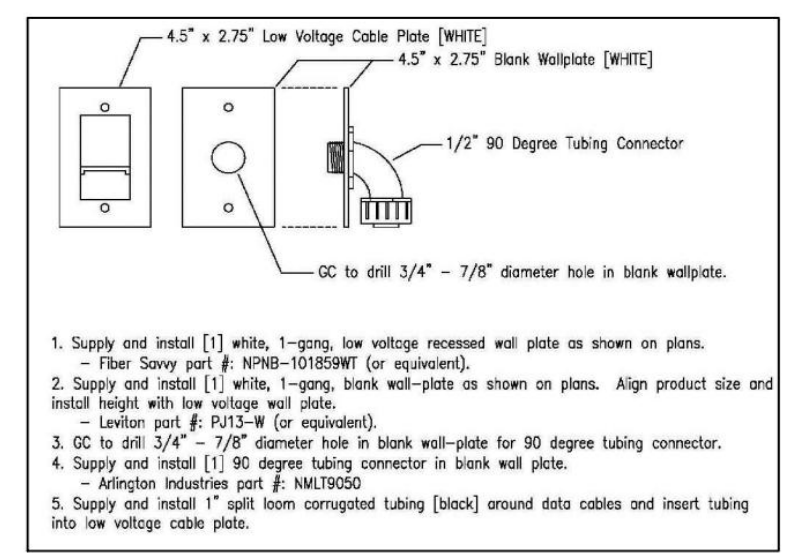


VIVO CSP DESK ELECTRICAL

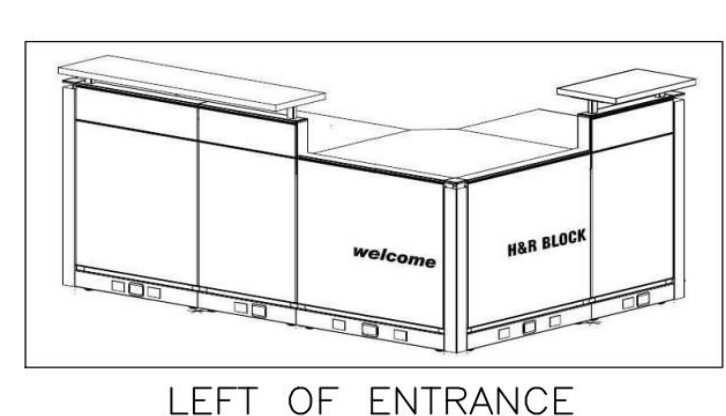


3
A1.2
CSP DESK DETAILS
NOT TO SCALE

CSP POWER WHIP & D/V HOOK-UP



VIVO CSP DESK VINYL LETTERING



SITE SPECIFIC NOTES

- IF APPLICABLE, PROVIDE NEW DEDICATED SIGN CIRCUIT, J-BOX TO BE MOUNTED WITHIN 6 FEET OF CENTER LINE OF STORE FRONT & MAKE FINAL CONNECTION.
- LOAD CALCULATIONS & SWITCHING PATTERNS TO BE DETERMINED BY OTHER DESIGN PROFESSIONAL OR LICENSED ELECTRICIAN. COORDINATE ALL REQUIREMENTS w/ OWNER & CONTRACTOR.
- ADD (3) NEW 2' X 4' FLUORESCENT LIGHTS AS SHOWN ON PLAN. PATCH/REPAIR EXISTING GRID AS NEEDED.
- RELOCATE (8) EXISTING 2' X 4' FLUORESCENT LIGHTS AS SHOWN ON PLAN. PATCH/REPAIR EXISTING GRID AS NEEDED.
- CLEAN, CHECK & BALANCE EXISTING HVAC AS REQUIRED FOR COMPLETE & BALANCED WORKING SYSTEM.

KEYED NOTES

- LEC / GLEC SERVICE LOCATION TO BE LOCATED WITHIN 2'-0" OF PHONE BOARD. IF RE-USING EXISTING D-MARC & PATCH PANEL ARE NOT IN LOCATION SHOWN, NOTIFY CONTACT.
- DUPLEX OUTLET TO BE INSTALLED FLUSH WITH WINDOW SOFFIT OR INSTALL FLUSH WITH ACS FOR LIGHT BOX WHERE WINDOWS ARE FULL HEIGHT.
- CONTRACTOR TO INSTALL JUNCTION BOX AS DIMENSIONED (6" FROM FINISHED FLOOR TO BOTTOM OF EACH J-BOX) AT WALL:
- JUNCTION BOX TO HAVE ELECTRICAL WHIP TO ACCOMMODATE (6) DUPLEX OUTLETS.
RETURN TRIP AFTER FURNITURE ARRIVES TO MAKE POWER CONNECTION AT THE WALL & TERMINATE AT KNOCK OUTS IN PANEL BASE.

NOTE: ATTENTION CONTRACTORS.
A & E NATIONAL, INC. RESERVES THE RIGHT TO DETERMINE A FAIR AND EQUITABLE SOLUTION TO ANY PROBLEMS, MISTAKES, ERRORS OR OMISSIONS. PLEASE PHONE OUR OFFICE IMMEDIATELY UPON DISCOVERY. DO NOT INSTINCTIVELY PRODUCE A SOLUTION, OR PROCEED WITH WORK THAT WOULD RESULT IN A CHANGE ORDER REQUIRING REIMBURSEMENT BY THE OWNER. ANY SOLUTIONS OUTSIDE THIS POLICY SHALL BE WITH PRIOR APPROVAL AND WILL BE AT THE FRANCHISEE'S OR CONTRACTOR'S EXPENSE.

© 2013 A&E NATIONAL, INC.
THESE PLANS ARE COPY RIGHTED AND ARE SPECIFICALLY PROVIDED FOR USE OF THE OWNER AND DESIGNED FOR CONSTRUCTION BY A & E NATIONAL, INC. AND ARE INTENDED FOR NO OTHER PURPOSE. PERMISSION FOR USE OF THIS DOCUMENT IN PART OR WHOLE WITHOUT WRITTEN CONSENT OF A & E NATIONAL, INC. IS PROHIBITED.

A & E NATIONAL, INC.
A & E NATIONAL, INC.
1812 NORTH 203rd STREET
ELKHORN, NE 68022
PH: 402-614-4434
FAX: 402-614-4431

A & E NATIONAL, INC. CONTACTS
ROBERT FECHTMEISTER
PRESIDENT
1-888-614-4434 EXT. 100
KEITH BECKER
LEAD PROJECT COORDINATOR
1-888-614-4434 EXT. 103

DRAWN BY
KEITH BECKER

H&R BLOCK
621 FOREST AVENUE
PORTLAND, ME 04101

PROJECT
H&R BLOCK
621 FOREST AVENUE
PORTLAND, ME 04101

RELEASE DATE
5/22/13

SHEET NO.
A1.2