

# CAC EXTERIOR DIGITAL DISPLAY UPGRADES COUNTY ADMINISTRATIVE OFFICE PROJECT # RIVCO-052322

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## **PROJECT INFORMATION**

**PROJECT ADDRESS:** 4080 LEMON ST, RIVERSIDE, CA 92501 **JURISDICTION REQUESTING THE DRAWINGS:** COUNTY OF RIVERSIDE **EXITING BUILDING CONSTRUCTION TYPE:** TYPE I.F.R FULLY SPRINKLED F\OCCUPANCY CLASSIFICATION: **GROUP A-3** HANDICAP ACCESSIBILITY: THIS PROJECT HAS BEEN DESIGNED TO BE COMPLIANCE WITH THE STATE OF CALIFORNIA TITLE 24ACCESSIBILITY REQUIREMENTS.

### **GENERAL NOTES**

- ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS PO
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD PLANS OF THE COUNTY OF RIVERSIDE AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (GREEN BOOK), AND (COUNTY OF RIVERSIDE STANDARD PLANS ORDINANCE NO. 461, 2017 EDITION), OR LATEST EDITION AND ANY CITY ISSUED INDIVIDUAL STANDARDS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL. REPLACEMENT OR RELOCATION OF ALL REGULATORY, WARNING AND GUIDE SIGNS IN A MANNER CONSISTENT WITH THE TRAFFIC MANUAL AND ALL ADA. AND/OR APPLICABLE CITY REGULATIONS.
- 4. ALL TRAVELED WAYS MUST BE CLEANED DAILY OF ALL DIRT. MUD AND DEBRIS DEPOSITED ON THEM AS A RESULT OF THE CONSTRUCTION **OPERATIONS.**
- 5. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF BUILDING ACTIVITIES AS POSSIBLE.
- 6. VERIFY JOB SITE CONDITIONS AND DIMENSIONS BEFORE BEGINNING WORK. PLANS ARE SCHEMATIC IN NATURE. LAYOUT IS BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS.
- COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
- 8. ALL CUTTING AND PATCHING SHALL BE CLOSELY COORDINATED WITH THE G.C.
- 9. .ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRE STOPPED BY THE TRADE MAKING THE PENETRATION. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.
- 10. THIS IS A LIFE SAFETY BUILDING WHICH MEANS IT SHALL REMAIN REASONABLY OPERATIONAL IN THE CASE OF A SEISMIC EVENT. THEREFORE ALL STATIONARY EQUIPMENT ON THE FLOOR SHALL BE FIXED RIGIDLY TO THE STRUCTURE. ALL HANGING PIPING SHALL BE BRACED TO THE STRUCTURE.
- 11. THE CONTRACTOR SHALL REPLACE ANY EXISTING-TO-REMAIN MATERIALS AND FINISHES (CEILING GRID, CEILING TILE, GYPSUM BOARD, FINISHES, DOORS, FRAMES, WALL PROTECTION ETC. WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION.
- 12. PATCH ALL CUTS, OPENINGS AND DAMAGED AREAS THAT OCCUR DURING DEMOLITION. ALL PATCHING SHALL CONFORM TO THE ADJOINING WORK. MATCHING THE FINISH AND QUALITY OF WORKMANSHIP OF THE ADJACENT MATERIALS.
- 13. CONTRACTOR SHALL MINIMIZE CONSTRUCTION AND DUST WHEREVER POSSIBLE
- 14. CONTRACTOR SHALL COORDINATE ANY SYSTEMS SHUT OFF FOR MECHANICAL. ELECTRICAL. PLUMBING OR FIRE PROTECTION AT ANY TIME **DURING CONSTRUCTION.**

## **PROJECT'S SCOPE OF WORK**

THIS DRAWINGS SUBMITTALS ARE FOR THE PURPOSE OF REMOVING EXISTING DISPLAY PANELS LOCATED AT THE EXTERIOR WALL OF THE COUNTY ADMINISTRATIVE OFFICE BUILDING AND REPLACING IT WITH (5) NEW DIGITAL DISPLAY UNITS AS PURCHASED BY THE OWNER, DISPLAY UNITS TO BE ENERGIZED FROM THE NEAREST AVAILABLE ELECTRICAL SOURCE. UNITS TO HAVE ACCESS TO DATA OUTLETS AND TO BE INSTALLED PER CURRENT BUILDING CODE & COUNTY STANDARDS.

STRUCTURAL ANALYSIS PACKAGE CONFORMING THE LOAD OF THE DISPLAYS ADDITION TO THE EXISTING STRUCTURE IS PART OF THIS PROJECT'S SUBMITTALS.

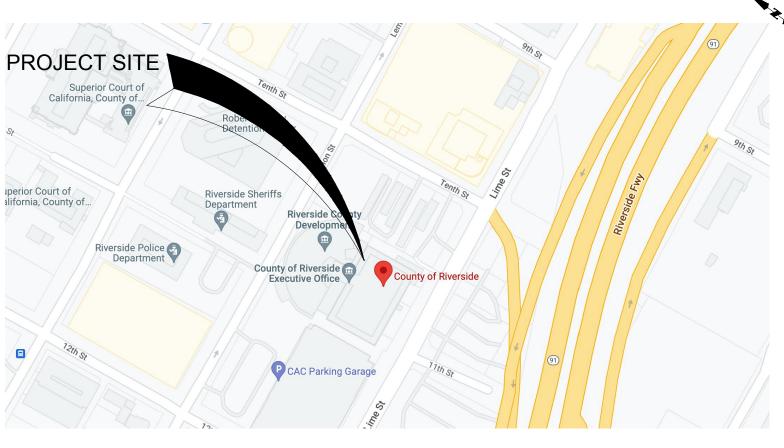
## **FASTENING GENERAL NOTES & GUIDELINES**

- STRESS LEVEL FOR NAIL. BOLT AND SCREW VALUES IS 100%. INCREASES OF 15% FOR SNOW LOADED ROOF CONDITIONS OR 25% FOR NON-SNOW ROOF CONDITIONS ARE PERMITTED.
- 2. TOP AND BOTTOM ROWS OF FASTENERS SHOULD BE AS SHOWN IN THE FASTENER CLEARANCES DETAIL. FOR STAGGERED FASTENING PATTERNS, THE MAXIMUM END DISTANCE APPLIES TO ALL ROWS.
- ALL FASTENERS MUST HAVE THE LENGTH FULLY EMBEDDED, BUT MUST NOT BE OVER-DRIVEN, COUNTERSUNK, OR OVER-TIGHTENED.
- EVERY BOLT MUST EXTEND THROUGH THE FULL THICKNESS OF THE MEMBER USE WASHERS NOT LESS THAN A STANDARD CUT WASHER UNDER THE HEAD AND NUT MEETING ANSI B18.22.1.
- 5. 6 SDS STRUCTURAL SCREWS ARE PRODUCED BY SIMPSON STRONG-TIE
- COMPANY, INC., WS STRUCTURAL SCREWS ARE PRODUCED BY UNITED STEEL. 7. PROVIDE ICC ES EVALUATION REPORTS FOR ALL EXPANSION ANCHORS AND
- FASTENERS. INDICATE PROPOSED USE. 8. POWDER DRIVEN FASTENERS:

### **METAL SCREWS:**

- DESCRIPTION:
- SELF-DRILLING, SELF-TAPPING, SHEET METAL SCREWS WITH CURRENT ESR. LENGTH SHALL EXPOSE 3 THREADS MINIMUM PAST ITEM FASTENED. 2)
- REFER TO DRAWINGS FOR SIZES AND SPACING.
- LOCATE SYMMETRICALLY AND WITHIN 3 INCHES OF ENDS OF ITEMS TO BE 4) FASTENED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- B. PRODUCT: ITW BUILDEX "TEK SCREW (ESR-1976)". OR EQUAL
- 11. WHERE EXPANSION ANCHORS ARE CALLED FOR ON DRAWINGS. USE THE **FOLLOWING:**
- DESCRIPTION: CARBON STEEL CONCRETE EXPANSION ANCHORS. PRODUCT: HILTI KB TZ (ESR-1917); OR EQUAL.
- 12. CEILING HANGER ANCHORS:
- A. DIAGONAL WIRES: HILTI KB TZ (3/8 INCH DIAMETER); OR EQUAL.
- VERTICAL WIRES: HILTI CC27ALH27; OR EQUAL.





## PROJECT TEAM

### GENERAL ENGINEERING & CONSTRUCTION BY:

### HORIZONS CONSTRUCTION

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**KINAN KOTRASH** 

DESIGN BY: ACC & ENGINEERING, HORIZONS AFFILIATED COMPANY 768 N ETHAN WAY, ANAHEIM, CA 92805 United States BEN HAMED, M.A.S.C.E DESIGNER

OWNER

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### **ELECTRICAL GENERAL NOTES**

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALLATION DIAGRAMS THAT CONFORM TO UL LISTING FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS" 2. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED

ALL MATERIALS SHALL BE NEW AND OF QUALITY AS SPECIFIED ON THE PLANS OR SPECIFICATIONS AND MUST CARRY THE UNDERWRITER'S LABORATORIES APPROVAL COVERING THE PURPOSE FOR WHICH THEY ARE USED, IN ADDITION TO MEETING ALL REQUIREMENTS OF THE CURRENT APPLICABLE CODES AND REGULATIONS.

4. ALL WIRING SHALL BE INSTALLED IN LISTED METALLIC CONDUIT EXCEPT AS PERMITTED BELOW. RGS, WITH A 20 MIL PVC COATING WILL BE USED WHEN IN CONTACT WITH EARTH. IMC MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH THE EARTH. EMT MAY BE USED IN INDOOR LOCATIONS NOT IN CONTACT WITH EARTH, NOT IN CONCRETE SLABS OR WALLS AND NOT SUBJECT TO DAMAGE. PVC MAY BE USED IN OR BELOW CONCRETE AND DIRECT BURIED IN EARTH. FLEXIBLE STEEL CONDUIT SHALL BE USED FOR INDOOR FINAL CONNECTIONS TO EQUIPMENT IN LENGTHS NOT TO EXCEED 72". LIQUID-TIGHT FLEXIBLE STEEL CONDUIT SHALL BE FOR OUTDOOR FINAL CONNECTIONS TO EQUIPMENT NOT TO EXCEED 36".

5. WHERE CONDUIT ENTERS OUTLET BOXES, FIXTURES OR CABINETS, FIRMLY FASTEN WITH STEEL SET SCREW, COMPRESSION CONNECTORS, OR DOUBLE LOCKNUTS FOR GRC. ALL CONNECTIONS SHALL HAVE BUSHINGS OR INSULATED THROAT CONNECTORS. FIRMLY FASTEN CONDUIT TO THE BUILDING CONSTRUCTION. RUN EXPOSED CONDUIT PARALLEL TO THE BUILDING LINES, SUPPORTED BY APPROPRIATE HANGERS (UNISTRUT, T & B OR APPLETON, OR EQUAL).

FITTINGS AND CONDUIT BODIES SHALL BE STEEL. NO DIECAST FITTINGS. CONDUIT SIZES SHALL BE AS REQUIRED BY CODE AND AS INDICATED OR SPECIFIED.

ALL EMPTY CONDUIT SYSTEMS SHALL HAVE A NYLON PULL STRING TO FACILITATE INSTALLATION OF FUTURE WIRE.

CONDUITS AND OUTLETS SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE, EXCEPT THAT CERTAIN MOTOR AND LIGHTING FEEDER CONDUITS MAY BE RUN EXPOSED IN CERTAIN AREAS AS INDICATED ON THE DRAWINGS, CONDUIT SHOWN TO BE INSTALLED IN CABINETS, COUNTERS, AND CASEWORK SHALL BE RUN AS DIRECTED BY THE ARCHITECT

CONDUIT PENETRATION THROUGH ROOF SHALL HAVE ROOF FLASHING WITH CAULK TYPE COUNTER FLASHING SLEEVE. INSTALLATION SHALL BE WATERTIGHT.

11. ALL WIRES SHALL BE COPPER. NO ALUMINUM WIRES PERMITTED

## **APPLICABLE CODES**

2019 CALIFORNIA BUILDING CODE (CBC) / 2018 INTERNATIONAL **BUILDING CODE (IBC)** 

2019 CALIFORNIA EXISTING BUILDING CODE (CEBC) / 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC)

- 2019 CALIFORNIA HISTORICAL BUILDING CODE (CHBC)
- 2019 CALIFORNIA RESIDENTIAL CODE (CRC) / 2018 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC) / 2017 NATIONAL ELECTRICAL CODE (NEC)

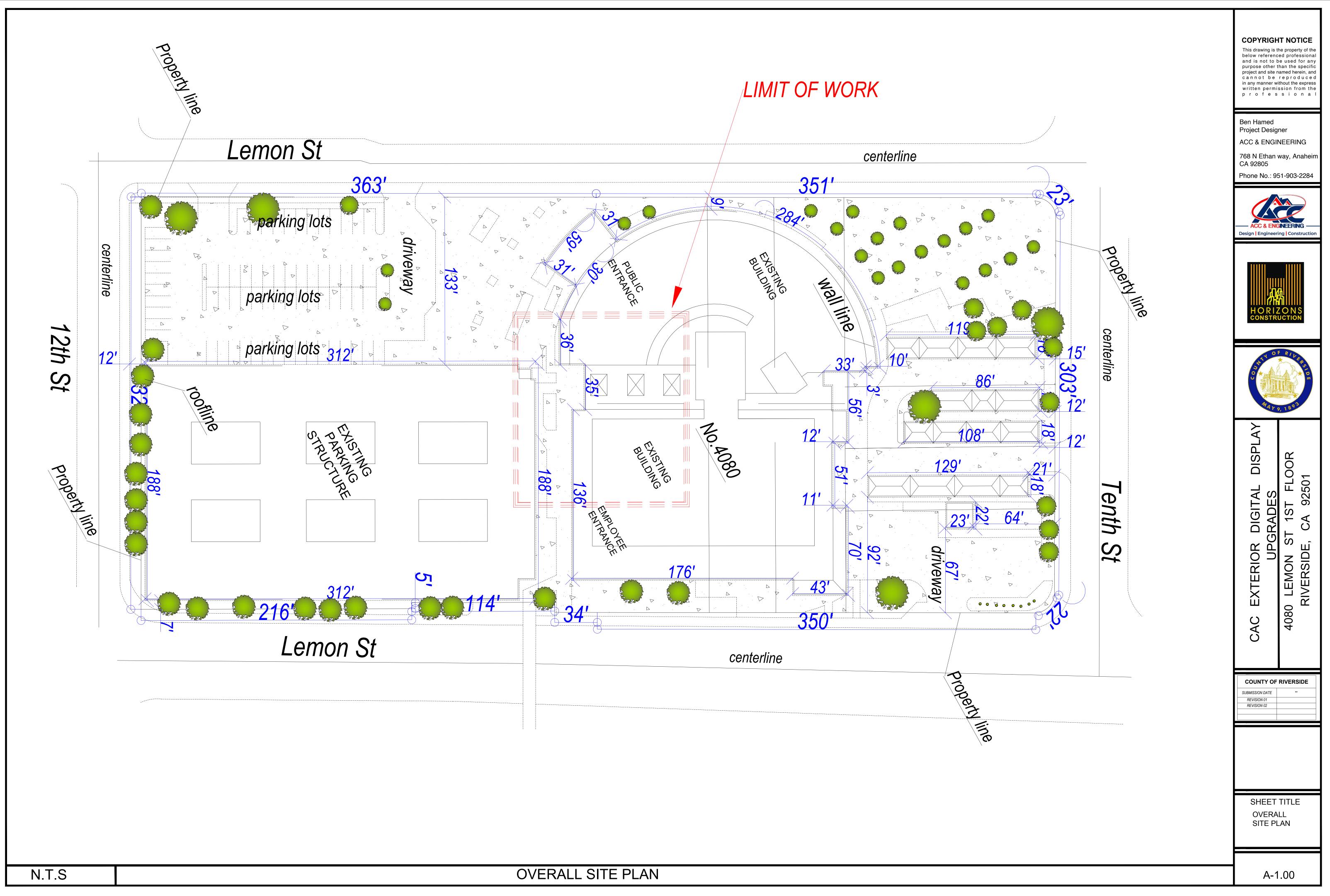
2019 CALIFORNIA MECHANICAL CODE (CMC) / 2018 UNIFORM MECHANICAL CODE (UMC)

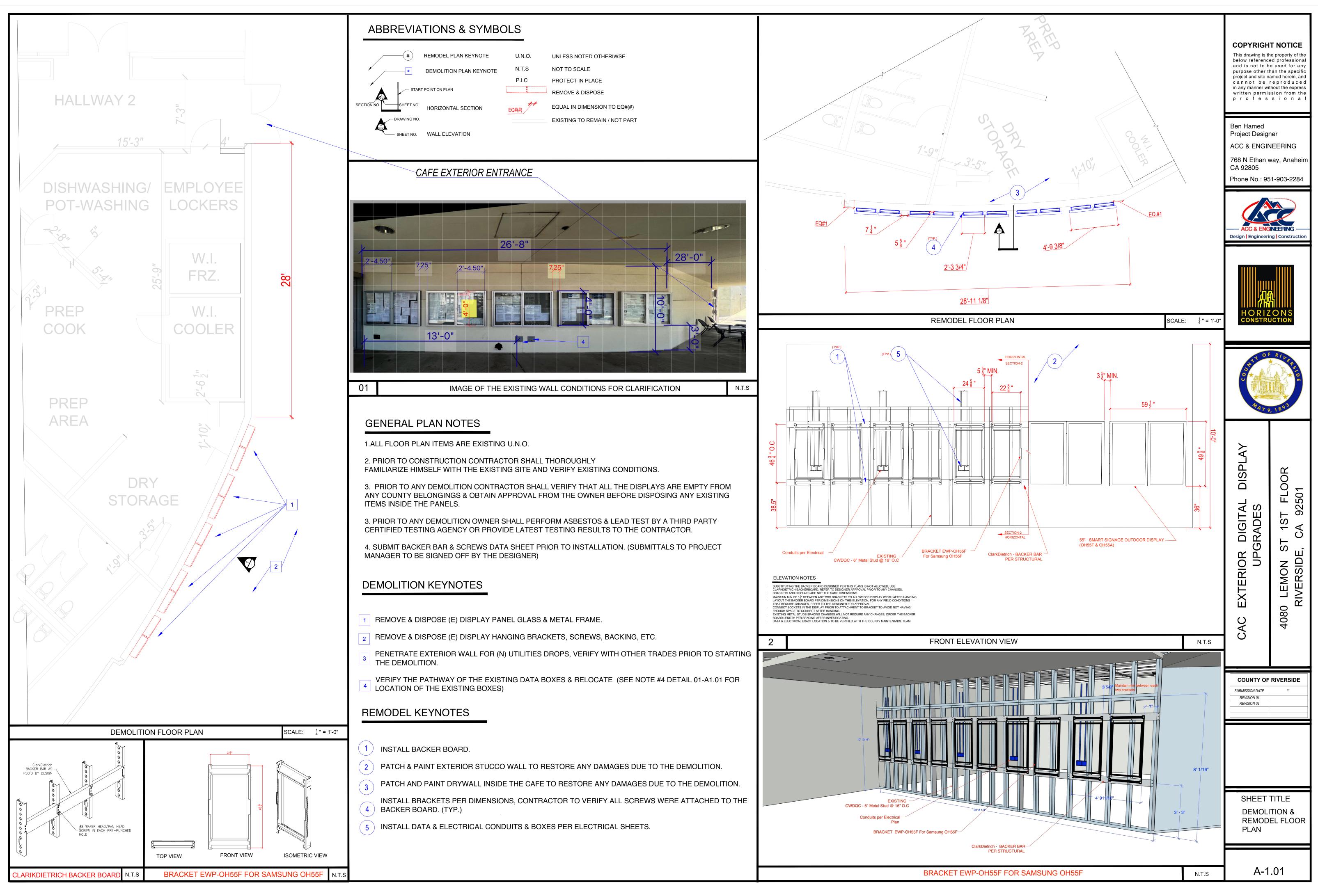
2019 CALIFORNIA PLUMBING CODE (CPC) / 2018 UNIFORM PLUMBING CODE (UPC) 2019 CALIFORNIA GREEN BUILDINGS STANDARDS CODE (CALGREEN)

2019 CALIFORNIA ENERGY CODE

# and is not to be used for ar ourpose other than the specif cannot be reproduce in any manner without the expres written permission from the professiona Ben Hamed **Project Designer** ACC & ENGINEERING 768 N Ethan way, Anaheim CA 92805 Phone No.: 951-903-2284 esign Engineering Construct ORIZON onstructio A DISPI OOR 0 LL DIGITA GRADES ST 1ST CA 92 . S UP( M ш ) LEMON RIVERSID **XTERIO** Ш 080 $\mathbf{O}$ $\mathbf{O}$ **COUNTY OF RIVERSIDE** SUBMISSION DATE REVISION 01 REVISION 02 SHEET TITLE TITLE SHEET TS-01

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EL PLAN KEYNOTE	U.N.O.	UNLESS NOTED OT
ITION PLAN KEYNOTE	N.T.S	NOT TO SCALE
	P.I.C	PROTECT IN PLACE
PLAN		REMOVE & DISPOSE
ONTAL SECTION	EQ#(#)	EQUAL IN DIMENSIO
		EXISTING TO REMA

