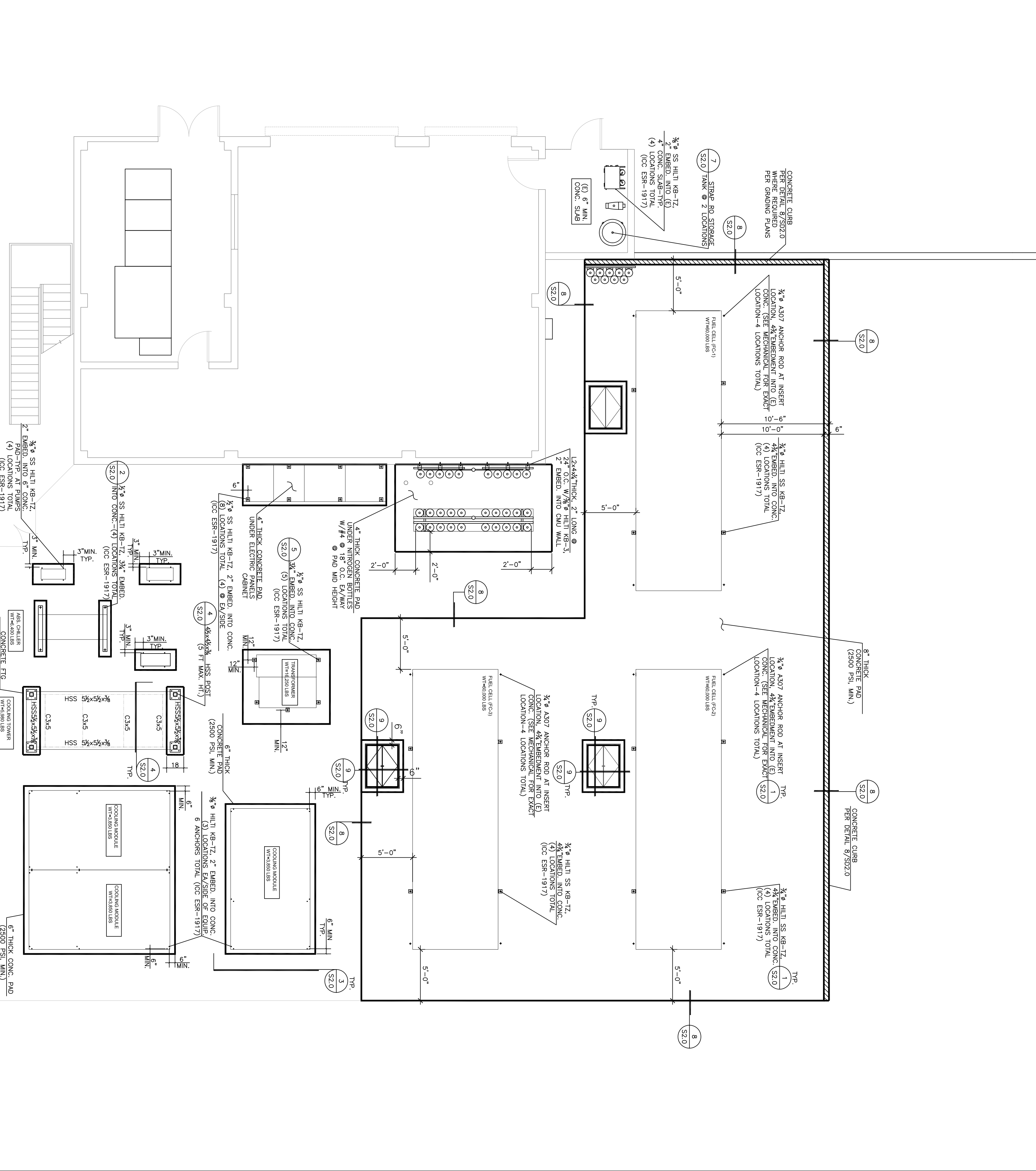


GENERAL NOTES

- GENERAL**
- PERFORM CONSTRUCTION AND WORKMANSHIP IN COMPLIANCE WITH CONTRACT DOCUMENTS AND CALIFORNIA BUILDING CODE, 2010 EDITION, SEISMIC ZONE D.
 - GOVERNING CODE AUTHORITY: BUILDING AND SAFETY DEPARTMENT
 - STRUCTURAL DRAWINGS, AS PART OF CONTRACT DOCUMENTS, INDICATE INFORMATION DIFFERENT TO CONVEY DESIGN INTENT. IF ERRORS, INCONSISTENCIES OR OMISSIONS ARE DISCOVERED, PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) BEFORE PROCEEDING WITH WORK.
 - NO PORTION OF STRUCTURAL RELATED WORK SHALL BE PERFORMED WITHOUT CONSIDERING REQUIREMENTS OF CONTRACT DOCUMENTS, IN THEIR ENTIRETY. FOR EXAMPLE, REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENTS AND OTHER ITEMS TO BE INCORPORATED IN STRUCTURAL WORK.
 - CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON BEST INFORMATION CURRENTLY AVAILABLE WHEN DRAWINGS WERE PREPARED. NO WARRANTY IS IMPLIED AS TO ACCURACY OF THESE EXISTING CONDITIONS.
 - TAKE FIELD MEASUREMENTS AND VERIFY FIELD CONDITIONS AND COMPARE SUCH MEASUREMENTS AND CONDITIONS WITH CONTRACT DOCUMENTS. IF ERRORS, INCONSISTENCIES OR OMISSIONS ARE DISCOVERED, PROMPTLY NOTIFY ARCHITECT (STRUCTURAL ENGINEER) BEFORE PROCEEDING WITH WORK.
 - CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONSTRUCTION, FINISHES AND PROCEDURES AS REQUIRED. PROVIDE ADEQUATE EXCAVATION PROCEDURES, SHORING, BRACING AND SAFETY ORDINANCES.
 - OBSERVATION VISITS, IF REQUIRED TO SITE BY FIELD REPRESENTATIVES OF ARCHITECT (STRUCTURAL ENGINEER) DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION MEANS AND METHODS. OBSERVATIONS PERFORMED BY STRUCTURAL ENGINEER DURING CONSTRUCTION WHEN NEEDED ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE PERFORMED BY OTHERS.
 - MODIFICATIONS OR SUBSTITUTIONS: DESIGN, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE INDICATED OR SPECIFIED MAY BE CONSIDERED FOR USE PROVIDED A WRITTEN REQUEST, SUBJECT TO REVIEW, IS SUBMITTED TO OWNER, STRUCTURAL ENGINEER AND GOVERNING CODE AUTHORITY PRIOR TO ITS USE OR INCLUSION ON ANY SHOP DRAWING.
 - BRACE PIPING AND DUCTS COMPLYING WITH LATEST EDITION OF "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS" BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
 - INSTALL AND ANCHOR MECHANICAL AND ELECTRICAL EQUIPMENT TO STRUCTURE COMPLYING WITH CBC SECTION 1632A, ISOLATORS, FASTENERS AND ANY OTHER ELEMENT PROVIDING STABILITY FOR EQUIPMENT SHALL HAVE AN ICC APPROVAL OR APPROVAL BY AN EQUIVALENT TESTING PROCEDURE, AND BE CAPABLE OF TRANSMITTING CODE REQUIRED LATERAL LOADS.
 - THE CAD DRAWING FILES ARE THE PROPERTY OF THE STRUCTURAL ENGINEER AND WILL NOT BE RELEASED TO THE CONTRACTOR OR SUBCONTRACTOR FOR THEIR USE.

- FOUNDATIONS**
- NO SOILS REPORT - ASSUME SITE CLASS: D
 - FOUNDATION DESIGN IS BASED ON A BEARING CAPACITY OF 10,000 PSF WITH A 33% INCREASE FOR SEISMIC OR WIND LOADING.
 - FOUND FOOTINGS AND BUILDING SLAB-ON-GRADE ARE ASSUMED TO BE PLACED ON COMPACTED FILL OR UNDISTURBED NATURAL GRADE (CONTRACTOR TO VERIFY).
 - DO NOT LOAD NEWLY POURED FOOTINGS UNTIL ITS COMPRESSION STRENGTH IS TESTED TO REACH 2500 PSI MINIMUM AND THE CONCRETE HAS CURED FOR AT LEAST 7 DAYS.
 - A MOISTURE BARRIER MEMBRANE SHALL BE PLACED WHERE NEEDED UNDER THE FOUNDATION PLAN.
 - SUB-BASE MUST BE COMPACTED PRIOR TO CONCRETE POUR.
- REINFORCING STEEL**
- PROVIDE REINFORCING STEEL COMPLYING WITH ASTM A615, GRADE 60.
 - PROVIDE SMOOTH WELDED WIRE FABRIC COMPLYING WITH ASTM A185, LAP FABRIC 1-1/2 SPACES (12" MINIMUM). PROVIDE DEFORMED WIRE STRUTS, SIZE D4 AND LARGER ONLY, COMPLYING WITH ASTM A497.
 - SPlice REINFORCING STEEL WHERE INDICATED. IF SPlice LOCATIONS ARE NOT SPECIFICALLY SHOWN OR INDICATED, VERIFY SPlicing WITH CONTRACTOR. DEVELOPING LENGTHS SHALL BE DEVELOPING REINFORCING STEEL SHOP DRAWINGS.
 - LAP REINFORCING STEEL AT SPlices TO LENGTHS WHERE INDICATED.
 - MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL, INCLUDING SPliced REINFORCING STEEL, SHALL BE 1" OR 1 BAR DIAMETER, WHICHEVER IS GREATER.
 - MINIMUM CONCRETE COVER: MAINTAIN THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF SLABS ON GRADE (CENTER OF SLAB)
CONCRETE BELOW GRADE: FORMED
CONCRETE ABOVE GRADE: UNFORMED
STRUCTURAL SLABS (TOP AND BOTTOM)
CHAIRS OR SPACERS FOR REINFORCING SHALL BE PLASTIC OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.
 - PROVIDE DOWELS MATCHING VERTICAL REINFORCING SIZE AND SPACING WHERE APPLICABLE.
 - BEND REINFORCING STEEL COLD UNLESS OTHERWISE ACCEPTED BY ARCHITECT/STRUCTURAL ENGINEER. PROVIDE SPECIAL INSPECTION OF ALL COLD BENT REINFORCING.
 - SECURELY TIE ANCHOR BOLTS, REINFORCING STEEL, INSERTS, ETC., IN PLACE PRIOR TO POURING CONCRETE OR GROUT.
- MECHANICAL UNITS SPECS + LOADING CRITERIA**
- UNIT SPECIFICATIONS:
*FUEL CELL (3 UNITS): PURECELL SYSTEM MODEL 400 (OPERATING WT=60,000 LBS)
*ABSORPTION CHILLER 91 UNIT): HMAR-1 UTC L50 (OPERATING WT=4,600 LBS)
*COOLING TOWER (1 UNIT): JT-37110 (OPERATING WT=5,980 LBS)
 - SEISMIC CRITERIA:
SEISMIC DESIGN CATEGORIE D
SITE CLASS D
SEISMIC COEFFICIENT, SDS 1.078
SEISMIC COEFFICIENT, SD1 0.907
IMPORTANCE FACTOR, Ip 1.0
 - SPECIAL INSPECTION REQUIRED FOR ALL HILTI KEITZ & HILTI KB-3, PER ICC REPORT ESR-1917 SECTION 4.4 & ICC REPORT 1385 SECTION 4.3
- TOLERANCE REQUIREMENTS**
- SLAB FLATNESS TOLERANCE SHALL BE 1/4" IN 10 FEET, PER UTC GENERAL NOTES.
 - SLAB LEVEL TOLERANCE SHALL BE ± 1/4" IN 10 FT, PER UTC GENERAL NOTES.



PLAN VIEW

STRUCTURAL NOTES/DETAILS / MECH. PLAN LAYOUT

ID	DATE	REMARKS	ID	DATE	REMARKS
1	7/02/12	PRELIMINARY DESIGN REVIEW	6	11/15/12	PLAN CHECK CORRECTIONS
2	8/20/12	PLAN CHECK			
3	9/4/12	BID CLARIFICATIONS			
4	9/19/12	UTC RECOMMENDED CORRECTIONS			
5	9/25/12	UTC COMMENTS/REVISIONS			

CBS TELEVISION STUDIOS
FUEL CELL INSTALLATION PROJECT

7800 BEVERLY BLVD.
LOS ANGELES, CALIFORNIA 90036

KEYSTONE
Engineering Solutions, Inc.
9550 Research Dr., Irvine, California 92618
714-859-3811 (S.F.) 949-387-9840 (Irvine) 949-387-9207 Fax
www.ksolutions.com

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NAJARINE STRUCTURES
STRUCTURAL ENGINEERS
740 Roosevelt, Suite 200, Irvine, California 92620
(949) 387-9840 Tel. (949) 387-9207 Fax
www.najarinestructures.com

S1.0

ENGR: A.M.
DRWN BY: A.M.
CHKD BY: E.N.
DATE: 9/19/12
JOB NO.: 12-010
SCALE: 3/16"=1"

SHEET